

Table SW-10-3a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	6,191	6,373	6,696	8,274	10,211	8,555	6,942	7,866	10,846	13,210	10,550	8,069
Alternative A	6,266	6,408	7,521	8,712	10,706	8,374	6,582	7,582	10,416	12,991	10,318	7,784
Difference	75	35	826	438	494	-182	-360	-284	-429	-218	-233	-285
Percent Difference ³	1.2%	0.5%	12.3%	5.3%	4.8%	-2.1%	-5.2%	-3.6%	-4.0%	-1.7%	-2.2%	-3.5%
Water Year Types²												
Wet (32%)												
No Action Alternative	7,296	8,649	7,369	15,898	18,357	16,226	9,479	9,465	10,515	12,963	11,017	12,376
Alternative A	7,562	8,084	8,420	16,410	18,737	16,107	9,452	9,504	10,610	12,609	10,738	11,861
Difference	267	-565	1,052	512	380	-120	-27	40	95	-354	-279	-515
Percent Difference	3.7%	-6.5%	14.3%	3.2%	2.1%	-0.7%	-0.3%	0.4%	0.9%	-2.7%	-2.5%	-4.2%
Above Normal (15%)												
No Action Alternative	5,952	8,274	6,844	7,637	14,153	8,412	6,093	7,692	11,336	14,294	10,702	8,198
Alternative A	6,125	8,489	8,016	7,651	14,650	8,366	6,180	7,758	10,615	13,978	10,164	7,344
Difference	173	216	1,172	14	497	-46	87	66	-721	-316	-538	-853
Percent Difference	2.9%	2.6%	17.1%	0.2%	3.5%	-0.5%	1.4%	0.9%	-6.4%	-2.2%	-5.0%	-10.4%
Below Normal (17%)												
No Action Alternative	5,261	5,066	7,920	4,285	5,700	4,747	5,167	6,958	10,735	12,997	10,181	5,397
Alternative A	5,732	5,529	8,727	4,724	6,300	4,540	5,299	6,767	9,956	12,733	9,584	5,494
Difference	470	462	808	439	600	-206	132	-191	-778	-264	-597	97
Percent Difference	8.9%	9.1%	10.2%	10.2%	10.5%	-4.3%	2.6%	-2.7%	-7.3%	-2.0%	-5.9%	1.8%
Dry (22%)												
No Action Alternative	5,936	4,465	6,916	3,889	3,764	3,878	5,648	7,208	11,245	13,426	10,682	5,656
Alternative A	5,425	4,922	7,660	4,597	4,508	3,543	4,614	6,363	10,520	13,510	10,309	5,433
Difference	-511	458	745	708	744	-335	-1,034	-845	-724	84	-373	-223
Percent Difference	-8.6%	10.3%	10.8%	18.2%	19.8%	-8.6%	-18.3%	-11.7%	-6.4%	0.6%	-3.5%	-3.9%
Critical (15%)												
No Action Alternative	5,504	3,931	3,331	3,625	3,553	3,539	6,306	6,626	10,606	12,583	9,623	5,345
Alternative A	5,480	3,950	3,464	3,920	3,796	3,346	5,216	6,022	10,181	12,357	10,432	5,586
Difference	-23	19	133	296	243	-192	-1,090	-604	-425	-226	808	241
Percent Difference	-0.4%	0.5%	4.0%	8.2%	6.8%	-5.4%	-17.3%	-9.1%	-4.0%	-1.8%	8.4%	4.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



Figure SW-10-3b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

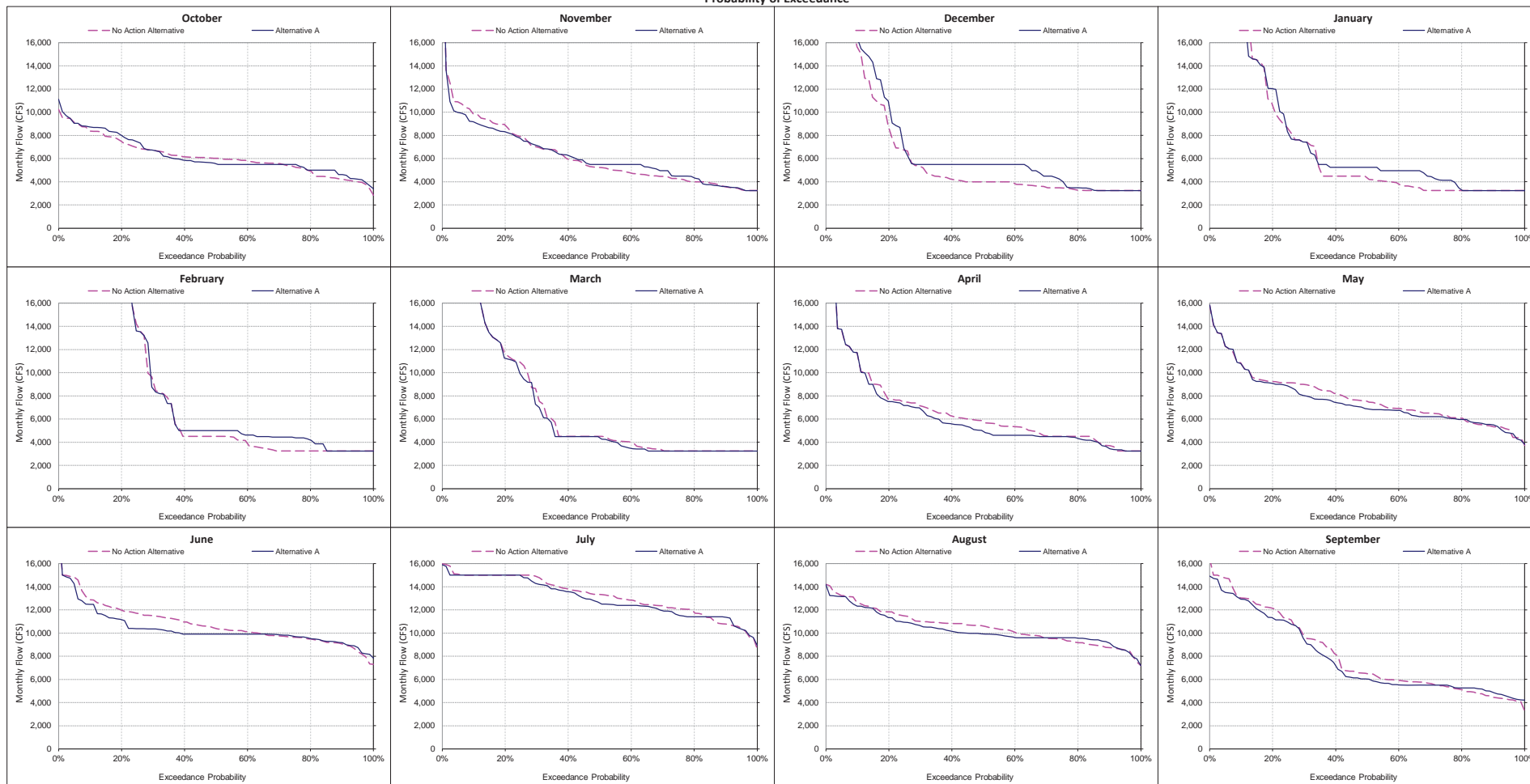


Table SW-10-3b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	11,122	879	8.6%
0.2%	9,547	10,661	1,114	11.7%
2.5%	9,499	9,684	185	1.9%
3.7%	9,474	9,474	0	0.0%
4.9%	9,132	9,048	-84	-0.9%
6.2%	8,999	9,038	39	0.4%
7.4%	8,745	8,815	70	0.8%
8.6%	8,730	8,809	79	0.9%
9.9%	8,370	8,737	367	4.4%
11.1%	8,361	8,700	338	4.0%
12.3%	8,352	8,684	332	4.0%
13.6%	8,299	8,659	360	4.3%
14.8%	7,926	8,626	700	8.8%
16.0%	7,889	8,361	473	6.0%
17.3%	7,852	8,320	468	6.0%
18.5%	7,727	8,265	538	7.0%
19.8%	7,525	8,035	509	6.8%
21.0%	7,275	7,812	537	7.4%
22.2%	7,215	7,638	423	5.9%
23.5%	7,087	7,612	525	7.4%
24.7%	6,974	7,492	518	7.4%
25.9%	6,848	7,365	507	7.4%
27.2%	6,820	6,872	52	0.8%
28.4%	6,788	6,748	-41	-0.6%
29.6%	6,701	6,736	34	0.5%
30.9%	6,670	6,671	1	0.0%
32.1%	6,641	6,598	-43	-0.7%
33.3%	6,561	6,200	-360	-5.5%
34.6%	6,428	6,156	-273	-4.2%
35.8%	6,303	6,059	-244	-3.9%
37.0%	6,280	5,993	-288	-4.6%
38.3%	6,266	5,965	-301	-4.8%
39.5%	6,171	5,864	-307	-5.0%
40.7%	6,153	5,841	-312	-5.1%
42.0%	6,130	5,826	-303	-4.9%
43.2%	6,112	5,721	-391	-6.4%
44.4%	6,099	5,721	-378	-6.2%
45.7%	6,096	5,702	-394	-6.5%
46.9%	6,089	5,673	-416	-6.8%
48.1%	6,042	5,653	-389	-6.4%
49.4%	6,033	5,606	-427	-7.1%
50.6%	6,024	5,500	-524	-8.7%
51.9%	5,965	5,500	-465	-7.8%
53.1%	5,946	5,500	-446	-7.5%
54.3%	5,938	5,500	-438	-7.4%
55.6%	5,920	5,500	-420	-7.1%
56.8%	5,914	5,500	-414	-7.0%
58.0%	5,855	5,500	-355	-6.1%
59.3%	5,849	5,500	-349	-6.0%
60.5%	5,752	5,500	-252	-4.4%
61.7%	5,713	5,500	-213	-3.7%
63.0%	5,657	5,500	-157	-2.8%
64.2%	5,643	5,500	-143	-2.5%
65.4%	5,624	5,500	-124	-2.2%
66.7%	5,604	5,500	-104	-1.8%
67.9%	5,600	5,500	-100	-1.8%
69.1%	5,592	5,500	-92	-1.7%
70.4%	5,570	5,500	-70	-1.3%
71.6%	5,481	5,500	19	0.3%
72.8%	5,377	5,500	123	2.3%
74.1%	5,367	5,500	133	2.5%
75.3%	5,248	5,491	243	4.6%
76.5%	5,205	5,332	127	2.4%
77.8%	5,172	5,249	76	1.5%
79.0%	4,996	5,000	4	0.1%
80.2%	4,899	5,000	111	2.3%
81.5%	4,477	5,000	523	11.7%
82.7%	4,475	5,000	525	11.7%
84.0%	4,464	5,000	536	12.0%
85.2%	4,444	5,000	556	12.5%
86.4%	4,363	5,000	637	14.6%
87.7%	4,328	5,000	672	15.5%
88.9%	4,256	4,625	369	8.7%
90.1%	4,231	4,624	394	9.3%
91.4%	4,148	4,567	419	10.1%
92.6%	4,108	4,298	190	4.6%
93.8%	4,052	4,264	211	5.2%
95.1%	4,000	4,220	220	5.5%
96.3%	3,955	4,178	223	5.6%
97.5%	3,774	3,941	167	4.4%
98.8%	3,390	3,659	269	7.9%
100.0%	2,836	3,390	554	19.5%

Percent Exceedance Probability	November			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	28,206	696	2.5%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	10,931	-1,589	-12.7%
3.7%	10,931	10,114	-817	-7.5%
4.9%	10,889	9,993	-896	-8.2%
6.2%	10,724	9,925	-799	-7.4%
7.4%	10,436	9,747	-689	-6.6%
8.6%	10,295	9,224	-1,071	-10.4%
9.9%	9,856	9,186	-670	-6.8%
11.1%	9,831	9,014	-818	-8.3%
12.3%	9,497	8,896	-600	-6.3%
13.6%	9,433	8,790	-643	-6.8%
14.8%	9,384	8,663	-721	-7.7%
16.0%	9,095	8,623	-472	-5.2%
17.3%	8,986	8,456	-530	-5.9%
18.5%	8,948	8,346	-603	-6.7%
19.8%	8,948	8,340	-608	-6.8%
21.0%	8,590	8,226	-364	-4.2%
22.2%	8,173	8,105	-68	-0.8%
23.5%	8,012	7,918	-95	-1.2%
24.7%	7,918	7,771	-146	-1.8%
25.9%	7,865	7,630	-235	-3.0%
27.2%	7,482	7,479	-3	0.0%
28.4%	7,071	7,274	203	2.9%
29.6%	7,043	7,174	132	1.9%
30.9%	6,937	7,067	129	1.9%
32.1%	6,822	6,852	30	0.4%
33.3%	6,803	6,826	23	0.3%
34.6%	6,799	6,758	-41	-0.6%
35.8%	6,758	6,596	-162	-2.4%
37.0%	6,493	6,398	-95	-1.5%
38.3%	6,291	6,399	107	1.7%
39.5%	6,015	6,312	297	4.9%
40.7%	5,857	6,193	336	5.7%
42.0%	5,849	6,058	208	3.6%
43.2%	5,827	5,904	77	1.3%
44.4%	5,773	5,901	128	2.2%
45.7%	5,437	5,606	169	3.1%
46.9%	5,321	5,500	179	3.4%
48.1%	5,279	5,500	221	4.2%
49.4%	5,250	5,500	250	4.8%
50.6%	5,229	5,500	271	5.2%
51.9%	5,174	5,500	326	6.3%
53.1%	5,068	5,500	432	8.5%
54.3%	4,998	5,500	502	10.0%
55.6%	4,970	5,500	530	10.7%
56.8%	4,958	5,500	542	10.9%
58.0%	4,879	5,500	621	12.7%
59.3%	4,800	5,500	700	14.6%
60.5%	4,718	5,500	782	16.6%
61.7%	4,686	5,500	814	17.4%
63.0%	4,646	5,500	854	18.4%
64.2%	4,630	5,300	670	14.5%
65.4%	4,553	5,281	728	16.0%
66.7%	4,521	5,192	671	14.8%
67.9%	4,511	5,112	601	13.3%
69.1%	4,473	4,950	477	10.7%
70.4%	4,458	4,950	492	11.0%
71.6%	4,430	4,950	520	11.7%
72.8%	4,378	4,504	128	2.9%
74.1%	4,279	4,500	221	5.2%
75.3%	4,242	4,500	258	6.1%
76.5%	4,194	4,500	306	7.3%
77.8%	4,062	4,500	438	10.8%
79.0%	4,000	4,469	469	11.7%
80.2%	4,000	4,318	318	8.0%
81.5%	4,000	4,250	250	6.3%
82.7%	3,200	3,830	630	19.7%
84.0%	4,000	3,761	-239	-6.0%
85.2%	3,885	3,754	-131	-3.4%
86.4%	3,634	3,690	-66	-1.8%
87.7%	3,669	3,669	-66	-1.8%
88.9%	3,635	3,599	-36	-1.0%
90.1%	3,556	3,598	42	1.2%
91.4%	3,499	3,526	26	0.8%
92.6%	3,481	3,499	18	0.5%
93.8%	3,461	3,461	0	0.0%
95.1%	3,297	3,371	74	2.2%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Percent Exceedance Probability	December			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	26,433	205	0.8%
1.2%	24,964	24,725	-239	-1.0%
2.5%	24,622	24,622	0	0.0%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	21,186	-431	-2.0%
6.2%	20,314	20,314	0	0.0%
7.4%	19,053	19,053	0	0.0%
8.6%	17,244	16,924	-319	-1.9%
9.9%	15,658	16,427	769	4.9%
11.1%	15,051	15,473	421	2.8%
12.3%	12,935	15,133	2,198	17.0%
13.6%	12,898	14,802	1,904	14.8%
14.8%	11,307	14,322	3,015	26.7%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	12,808	2,122	19.9%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,604	9,061	1,457	16.1%
22.2%	6,930	8,842	1,911	27.6%
23.5%	6,907	8,699	1,792	26.0%
24.7%	6,742	6,907	165	2.4%
25.9%	6,666	6,626	-40	-0.6%
27.2%	6,542	5,574	-96	-1.2%
28.4%	5,412	5,500	88	1.6%
29.6%	5,381	5,500	119	2.2%
30.9%	5,201	5,500	299	5.8%
32.1%	4,741	5,500	759	16.0%
33.3%	4,633	5,500	867	18.7%
34.6%	4,498	5,500	1,002	22.3%
35.8%	4,468	5,500	1,032	23.1%
37.0%	4,378	5,500	1,122	25.6%
38.3%	4,301	5,500	1,200	27.9%
39.5%	4,252	5,500	1,248	29.4%
40.7%	4,181	5,500	1,319	31.6%
42.0%	4,131	5,500	1,369	33.1%
43.2%	4,081	5,500	1,419	34.8%
44.4%	4,000	5,500	1,500	37.5%
45.7%	4,000	5,500	1,500	37.5%
46.9%	4,000	5,500	1,500	37.5%
48.1%	4,000	5,500	1,500	37.5%
49.4%	4,000	5,500	1,500	37.5%
50.6%	4,000	5,500	1,500	37.5%
51.9%	4,000	5,500	1,500	37.5%
53.1%	4,000	5,500	1,500	37.5%
54.3%	4,000	5,500	1,500	37.5%
55.6%	4,000	5,500	1,500	37.5%
56.8%	4,000	5,500	1,500	37.5%
58.0%	4,000	5,500	1,500	37.5%
59.3%	3,929	5,500	1,571	40.0%
60.5%	3,784	5,500	1,716	45.4%
61.7%	3,764	5,500	1,736	46.1%
63.0%	3,744	5,500	1,756	46.9%
64.2%	3,707	5,305	1,598	43.1%
65.4%	3,690	4,950	1,260	34.2%
66.7%	3,650	4,950	1,300	35.6%
67.9%	3,609	4,753	1,144	31.7%
69.1%	3,595	4,500	905	25.2%
70.4%	3,494	4,500	1,006	28.8%
71.6%	3,493	4,500	1,007	28.8%
72.8%	3,490	4,378	888	25.4%
74.1%	3,481	4,250	769	22.1%
75.3%	3,472	4,000	528	15.2%
76.5%	3,471	3,525	54	1.6%
77.8%	3,392	3,494	102	3.0%
79.0%	3,327	3,493	166	5.0%
80.2%	3,257	3,490	233	7.1%
81.5%	3,251	3,472	221	6.8%
82.7%	3,250	3,471	221	6.8%
84.0%	3,250	3,392	142	4.4%
85.2%	3,250	3,269	19	0.6%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%

Table SW-10-3b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,331	3,324	7.6%
1.2%	44,007	44,007	1,978	4.7%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	32,490	12	0.0%
6.2%	31,736	31,735	-1	0.0%
7.4%	30,969	30,969	0	0.0%
8.6%	28,992	29,547	556	1.9%
9.9%	27,512	27,970	458	1.7%
11.1%	26,291	27,885	1,595	6.1%
12.3%	26,276	27,512	1,236	4.7%
13.6%	23,696	23,696	-12	0.0%
14.8%	23,127	23,127	0	0.0%
16.0%	22,775	22,775	0	0.0%
17.3%	21,451	21,451	0	0.0%
18.5%	21,309	21,309	0	0.0%
19.8%	18,799	18,799	0	0.0%
21.0%	18,422	18,422	0	0.0%
22.2%	18,321	18,321	0	0.0%
23.5%	15,705	15,705	0	0.0%
24.7%	14,217	13,598	-619	-4.4%
25.9%	13,598	13,598	-53	-0.4%
27.2%	13,212	13,212	0	0.0%
28.4%	9,952	12,585	2,634	26.5%
29.6%	9,642	8,756	-886	-9.2%
30.9%	8,436	8,323	-113	-1.3%
32.1%	8,323	8,197	-126	-1.5%
33.3%	8,164	8,164	0	0.0%
34.6%	7,864	7,354	-510	-6.5%
35.8%	7,324	7,328	4	0.1%
37.0%	5,550	5,550	0	0.0%
38.3%	5,257	5,000	-257	-4.9%
39.5%	4,500	5,000	500	11.1%
40.7%	4,500	5,000	500	11.1%
42.0%	4,500	5,000	500	11.1%
43.2%	4,500	5,000	500	11.1%
44.4%	4,500	5,000	500	11.1%
45.7%	4,500	5,000	500	11.1%
46.9%	4,500	5,000	500	11.1%
48.1%	4,500	5,000	500	11.1%
49.4%	4,500	5,000	500	11.1%
50.6%	4,500	5,000	500	11.1%
51.9%	4,500	5,000	500	11.1%
53.1%	4,500	5,000	500	11.1%
54.3%	4,491	5,000	509	11.3%
55.6%	4,451	5,000	549	12.3%
56.8%	4,207	5,000	793	18.9%
58.0%	4,174	4,725	551	13.2%
59.3%	4,146	4,625	479	11.6%
60.5%	3,679	4,625	946	25.7%
61.7%	3,637	4,625	988	27.2%
63.0%	3,598	4,500	902	25.4%
64.2%	3,525	4,500	975	27.7%
65.4%	3,488	4,500	1,012	29.0%
66.7%	3,414	4,500	1,086	31.8%
67.9%	3,351	4,455	1,104	33.0%
69.1%	3,250	4,455	1,205	37.1%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,455	1,205	37.1%
72.8%	3,250	4,455	1,205	37.1%
74.1%	3,250	4,455	1,205	37.1%
75.3%	3,250	4,375	1,125	34.6%
76.5%	3,250	4,375	1,125	34.6%
77.8%	3,250	4,375	1,125	34.6%
79.0%	3,250	4,297	1,047	32.2%
80.2%	3,250	4,146	896	27.6%
81.5%	3,250	3,875	625	19.2%
82.7%	3,250	3,875	625	19.2%
84.0%	3,250	3,875	625	19.2%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,104	41,104	2	0.0%
2.5%	40,248	40,237	-11	0.0%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	23,386	-3,158	-11.9%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	18,544	0	0.0%
11.1%	17,063	17,345	282	1.7%
12.3%	15,812	15,812	0	0.0%
13.6%	14,297	14,297	0	0.0%
14.8%	13,482	13,482	0	0.0%
16.0%	13,072	13,072	0	0.0%
17.3%	12,834	12,834	0	0.0%
18.5%	12,569	12,569	0	0.0%
19.8%	11,720	11,254	-466	-4.0%
21.0%	11,423	11,165	-257	-2.3%
22.2%	11,165	11,085	-81	-0.7%
23.5%	11,012	10,926	-86	-0.8%
24.7%	10,926	9,951	-976	-8.9%
25.9%	10,601	9,444	-1,157	-10.9%
27.2%	9,911	9,184	-727	-7.3%
28.4%	8,704	9,161	457	5.3%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,994	-535	-7.2%
32.1%	7,278	6,125	-1,153	-15.8%
33.3%	6,125	6,078	-47	-0.8%
34.6%	6,078	5,728	-350	-5.8%
35.8%	5,728	4,500	-1,228	-21.4%
37.0%	4,500	4,500	0	0.0%
38.3%	4,500	4,500	0	0.0%
39.5%	4,500	4,500	0	0.0%
40.7%	4,500	4,500	0	0.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,278	-222	-4.9%
51.9%	4,461	4,250	-211	-4.7%
53.1%	4,250	4,134	-116	-2.7%
54.3%	4,143	4,048	-95	-2.3%
55.6%	4,134	3,979	-155	-3.8%
56.8%	4,087	3,678	-409	-10.0%
58.0%	4,060	3,602	-458	-11.3%
59.3%	4,048	3,510	-538	-13.3%
60.5%	3,979	3,436	-542	-13.6%
61.7%	3,658	3,422	-236	-6.4%
63.0%	3,602	3,422	-181	-5.0%
64.2%	3,510	3,419	-91	-2.6%
65.4%	3,494	3,250	-244	-7.0%
66.7%	3,436	3,250	-186	-5.4%
67.9%	3,422	3,250	-172	-5.0%
69.1%	3,422	3,250	-172	-5.0%
70.4%	3,250	3,250	0	0.0%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,037	0	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,795	-3	0.0%
4.9%	12,739	13,739	1,000	7.8%
6.2%	12,446	12,446	0	0.0%
7.4%	12,268	12,268	0	0.0%
8.6%	11,770	11,770	0	0.0%
9.9%	11,736	11,736	0	0.0%
11.1%	10,089	10,023	-66	-0.7%
12.3%	10,023	9,987	-36	-0.4%
13.6%	9,987	9,004	-983	-9.8%
14.8%	9,031	9,000	-31	-0.3%
16.0%	9,000	8,184	-816	-9.1%
17.3%	8,925	7,837	-1,088	-12.2%
18.5%	8,301	7,694	-607	-7.3%
19.8%	7,716	7,509	-206	-2.7%
21.0%	7,694	7,503	-191	-2.5%
22.2%	7,637	7,430	-207	-2.7%
23.5%	7,635	7,398	-237	-3.1%
24.7%	7,467	7,164	-303	-4.1%
25.9%	7,463	7,163	-300	-4.0%
27.2%	7,059	7,059	-336	-4.5%
28.4%	7,381	6,986	-395	-5.4%
29.6%	7,158	6,971	-186	-2.6%
30.9%	7,069	6,680	-389	-5.5%
32.1%	6,959	6,298	-661	-9.5%
33.3%	6,804	6,217	-587	-8.6%
34.6%	6,680	6,050	-631	-9.4%
35.8%	6,529	5,990	-539	-8.3%
37.0%	6,525	5,864	-660	-10.2%
38.3%	6,515	5,835	-680	-10.4%
39.5%	6,298	5,603	-695	-11.0%
40.7%	6,213	5,530	-683	-11.0%
42.0%	6,127	5,516	-610	-10.0%
43.2%	6,093	5,505	-588	-9.7%
44.4%	6,031	5,376	-655	-10.9%
45.7%	6,010	5,284	-726	-12.1%
46.9%	5,946	5,084	-862	-14.5%
48.1%	5,889	5,046	-842	-14.3%
49.4%	5,878	5,021	-858	-14.6%
50.6%	5,664	4,838	-826	-14.6%
51.9%	5,645	4,756	-889	-15.7%
53.1%	5,625	4,600	-1,025	-18.2%
54.3%	5,577	4,600	-977	-17.5%
55.6%	5,409	4,600	-809	-15.0%
56.8%	5,378	4,600	-778	-14.5%
58.0%	5,373	4,600	-773	-14.4%
59.3%	5,356	4,600	-756	-14.1%
60.5%	5,347	4,600	-747	-14.0%
61.7%	5,312	4,600	-712	-13.4%
63.0%	5,243	4,600	-643	-12.3%
64.2%	5,046	4,600	-446	-8.8%
65.4%	4,980	4,600	-380	-7.6%
66.7%	4,927	4,540	-387	-7.9%
67.9%	4,758	4,500	-258	-5.4%
69.1%	4,580	4,500	-80	-1.7%
70.4%	4,532	4,500	-32	-0.7%
71.6%	4,512	4,500	-12	-0.3%
72.8%	4,500	4,500	0	0.0%
74.1%	4,500	4,500	0	0.0%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,486	-14	-0.3%
77.8%	4,500	4,437	-63	-1.4%
79.0%	4,500	4,434	-66	-1.5%
80.2%	4,500	4,308	-192	-4.3%
81.5%	4,500	4,231	-269	-6.0%
82.7%	4,500	4,178	-322	-7.2%
84.0%	4,500	4,175	-325	-7.2%
85.2%	4,266	4,097	-169	-4.0%
86.4%	3,990	3,997	7	0.2%
87.7%	3,818	3,719	-100	-2.6%
88.9%	3,719	3,646	-72	-1.9%
90.1%	3,700	3,438	-262	-7.1%
91.4%	3,6			

Table SW-10-3b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedence

June				
Percent Exceedence Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	14,970	14,846	-124	-0.8%
3.7%	14,882	14,735	-146	-1.0%
4.9%	14,846	14,263	-583	-3.9%
6.2%	14,582	12,943	-1,639	-11.2%
7.4%	13,622	12,701	-921	-6.8%
8.6%	13,166	12,500	-666	-5.1%
9.9%	12,879	12,490	-390	-3.0%
11.1%	12,855	12,486	-369	-2.9%
12.3%	12,607	11,666	-941	-7.5%
13.6%	12,555	11,663	-892	-7.1%
14.8%	12,388	11,515	-873	-7.0%
16.0%	12,299	11,311	-988	-8.0%
17.3%	12,170	11,293	-877	-7.2%
18.5%	12,142	11,217	-925	-7.6%
19.8%	11,998	11,100	-898	-7.5%
21.0%	11,875	11,074	-801	-6.7%
22.2%	11,859	10,402	-1,457	-12.3%
23.5%	11,816	10,400	-1,416	-12.0%
24.7%	11,714	10,373	-1,341	-11.4%
25.9%	11,672	10,369	-1,303	-11.2%
27.2%	11,530	10,369	-1,162	-10.1%
28.4%	11,528	10,367	-1,161	-10.1%
29.6%	11,525	10,367	-1,157	-10.0%
30.9%	11,471	10,354	-1,117	-9.7%
32.1%	11,419	10,314	-1,105	-9.7%
33.3%	11,360	10,262	-1,098	-9.7%
34.6%	11,299	10,188	-1,111	-9.8%
35.8%	11,275	10,175	-1,100	-9.8%
37.0%	11,203	10,045	-1,158	-10.3%
38.3%	11,132	10,017	-1,114	-10.0%
39.5%	10,966	9,900	-1,066	-9.7%
40.7%	10,964	9,900	-1,064	-9.7%
42.0%	10,806	9,900	-906	-8.4%
43.2%	10,744	9,900	-844	-7.9%
44.4%	10,683	9,900	-783	-7.4%
45.7%	10,619	9,900	-719	-6.8%
46.9%	10,591	9,900	-691	-6.5%
48.1%	10,546	9,900	-646	-6.1%
49.4%	10,448	9,900	-548	-5.2%
50.6%	10,361	9,900	-461	-4.4%
51.9%	10,334	9,900	-434	-4.2%
53.1%	10,297	9,900	-397	-3.9%
54.3%	10,236	9,900	-336	-3.3%
55.6%	10,221	9,900	-321	-3.1%
56.8%	10,217	9,900	-317	-3.1%
58.0%	10,208	9,900	-308	-3.0%
59.3%	10,123	9,900	-223	-2.2%
60.5%	10,120	9,900	-220	-2.2%
61.7%	10,039	9,900	-139	-1.4%
63.0%	10,021	9,900	-121	-1.2%
64.2%	9,940	9,900	-40	-0.4%
65.4%	9,876	9,900	24	0.2%
66.7%	9,800	9,900	100	1.0%
67.9%	9,791	9,900	109	1.1%
69.1%	9,770	9,853	84	0.9%
70.4%	9,740	9,844	104	1.1%
71.6%	9,719	9,830	111	1.1%
72.8%	9,672	9,814	142	1.5%
74.1%	9,645	9,751	106	1.1%
75.3%	9,643	9,691	48	0.5%
76.5%	9,623	9,663	40	0.4%
77.8%	9,606	9,663	57	0.6%
79.0%	9,494	9,598	103	1.1%
80.2%	9,472	9,510	38	0.4%
81.5%	9,415	9,477	62	0.7%
82.7%	9,402	9,447	45	0.5%
84.0%	9,310	9,322	12	0.1%
85.2%	9,191	9,290	99	1.1%
86.4%	9,179	9,275	96	1.1%
87.7%	9,176	9,257	81	0.9%
88.9%	9,151	9,185	34	0.4%
90.1%	9,048	9,164	116	1.3%
91.4%	8,928	9,089	60	0.7%
92.6%	8,887	8,927	40	0.5%
93.8%	8,668	8,914	246	2.8%
95.1%	8,376	8,754	378	4.5%
96.3%	8,186	8,286	101	1.2%
97.5%	7,946	8,219	272	3.4%
98.8%	7,334	8,166	833	11.4%
100.0%	7,300	7,822	522	7.1%

July				
Percent Exceedence Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,987	-90	-0.6%
1.2%	15,912	15,978	-137	-0.8%
2.5%	15,775	15,000	-775	-4.9%
3.7%	15,115	15,000	-115	-0.8%
4.9%	15,085	15,000	-85	-0.6%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	15,000	0	0.0%
22.2%	15,000	15,000	0	0.0%
23.5%	15,000	15,000	0	0.0%
24.7%	15,000	15,000	0	0.0%
25.9%	15,000	14,780	-220	-1.5%
27.2%	15,000	14,755	-245	-1.6%
28.4%	15,000	14,486	-514	-3.4%
29.6%	14,903	14,301	-602	-4.0%
30.9%	14,780	14,209	-572	-3.9%
32.1%	14,539	14,167	-371	-2.6%
33.3%	14,273	14,094	-179	-1.3%
34.6%	14,165	13,819	-346	-2.4%
35.8%	14,115	13,817	-299	-2.1%
37.0%	13,988	13,712	-276	-2.0%
38.3%	13,875	13,673	-201	-1.5%
39.5%	13,837	13,580	-257	-1.9%
40.7%	13,725	13,549	-176	-1.3%
42.0%	13,678	13,461	-216	-1.6%
43.2%	13,641	13,235	-406	-3.0%
44.4%	13,549	13,072	-476	-3.5%
45.7%	13,539	12,953	-586	-4.3%
46.9%	13,410	12,928	-482	-3.6%
48.1%	13,348	12,783	-566	-4.2%
49.4%	13,338	12,677	-661	-5.0%
50.6%	13,330	12,600	-730	-5.5%
51.9%	13,286	12,500	-786	-5.9%
53.1%	13,224	12,473	-751	-5.7%
54.3%	13,219	12,462	-757	-5.7%
55.6%	13,011	12,400	-611	-4.7%
56.8%	12,972	12,400	-572	-4.4%
58.0%	12,921	12,400	-521	-4.0%
59.3%	12,864	12,400	-464	-3.6%
60.5%	12,824	12,400	-424	-3.3%
61.7%	12,720	12,396	-324	-2.5%
63.0%	12,535	12,340	-195	-1.6%
64.2%	12,447	12,324	-123	-1.0%
65.4%	12,444	12,312	-132	-1.1%
66.7%	12,438	12,221	-217	-1.7%
67.9%	12,395	12,140	-256	-2.1%
69.1%	12,369	11,987	-382	-3.1%
70.4%	12,355	11,900	-455	-3.7%
71.6%	12,189	11,891	-299	-2.5%
72.8%	12,185	11,856	-329	-2.7%
74.1%	12,134	11,625	-509	-4.2%
75.3%	12,107	11,512	-594	-4.9%
76.5%	12,077	11,469	-608	-5.0%
77.8%	12,053	11,400	-653	-5.4%
79.0%	12,042	11,400	-642	-5.3%
80.2%	11,719	11,400	-319	-2.7%
81.5%	11,691	11,400	-291	-2.5%
82.7%	11,604	11,400	-204	-1.8%
84.0%	11,349	11,400	51	0.5%
85.2%	11,342	11,400	58	0.5%
86.4%	11,024	11,400	376	3.4%
87.7%	10,940	11,400	460	4.2%
88.9%	10,789	11,400	611	5.7%
90.1%	10,771	11,352	581	5.4%
91.4%	10,703	11,295	592	5.5%
92.6%	10,629	10,624	-5	0.0%
93.8%	10,571	10,470	-101	-1.0%
95.1%	10,401	10,335	-66	-0.6%
96.3%	10,147	10,230	83	0.8%
97.5%	9,660	9,790	130	1.3%
98.8%	9,616	9,618	2	0.0%
100.0%	8,623	8,948	324	3.8%

August				
Percent Exceedence Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,207	0	0.0%
1.2%	14,034	14,038	4	0.0%
2.5%	13,568	13,212	-356	-2.6%
3.7%	13,414	13,179	-235	-1.7%
4.9%	13,238	13,161	-77	-0.6%
6.2%	13,212	13,144	-67	-0.5%
7.4%	13,146	12,763	-384	-2.9%
8.6%	13,133	12,500	-633	-4.8%
9.9%	12,632	12,329	-303	-2.4%
11.1%	12,511	12,317	-193	-1.5%
12.3%	12,356	12,217	-139	-1.1%
13.6%	12,313	12,187	-127	-1.0%
14.8%	12,182	12,147	-35	-0.3%
16.0%	12,127	11,805	-322	-2.7%
17.3%	11,864	11,614	-251	-2.1%
18.5%	11,841	11,533	-308	-2.6%
19.8%	11,834	11,345	-489	-4.1%
21.0%	11,825	11,309	-516	-4.4%
22.2%	11,607	11,021	-586	-5.1%
23.5%	11,565	11,014	-551	-4.8%
24.7%	11,483	10,929	-554	-4.8%
25.9%	11,451	10,915	-536	-4.7%
27.2%	11,274	10,837	-437	-3.9%
28.4%	11,036	10,736	-300	-2.7%
29.6%	11,014	10,671	-343	-3.1%
30.9%	10,987	10,544	-443	-4.0%
32.1%	10,972	10,521	-451	-4.1%
33.3%	10,933	10,520	-413	-3.8%
34.6%	10,923	10,445	-478	-4.4%
35.8%	10,907	10,387	-520	-4.8%
37.0%	10,874	10,354	-520	-4.8%
38.3%	10,850	10,239	-611	-5.6%
39.5%	10,849	10,172	-676	-6.2%
40.7%	10,832	10,111	-720	-6.7%
42.0%	10,829	10,042	-787	-7.3%
43.2%	10,829	10,011	-818	-7.6%
44.4%	10,717	9,931	-784	-7.3%
45.7%	10,696	9,986	-710	-6.6%
46.9%	10,667	9,985	-682	-6.4%
48.1%	10,658	9,975	-683	-6.4%
49.4%	10,638	9,931	-707	-6.6%
50.6%	10,598	9,918	-680	-6.4%
51.9%	10,486	9,910	-576	-5.5%
53.1%	10,436	9,877	-558	-5.3%
54.3%	10,368	9,857	-512	-4.9%
55.6%	10,314	9,825	-490	-4.7%
56.8%	10,291	9,750	-541	-5.3%
58.0%	10,263	9,700	-563	-5.5%
59.3%	10,150	9,668	-482	-4.8%
60.5%	9,986	9,600	-386	-3.9%
61.7%	9,915	9,600	-315	-3.2%
63.0%	9,883	9,600	-283	-2.9%
64.2%	9,844	9,600	-244	-2.5%
65.4%	9,796	9,600	-196	-2.0%
66.7%	9,785	9,600	-185	-1.9%
67.9%	9,750	9,600	-150	-1.5%
69.1%	9,602	9,600	-2	0.0%
70.4%	9,536	9,600	64	0.7%
71.6%	9,525	9,600	75	0.8%
72.8%	9,521	9,600	79	0.8%
74.1%	9,478	9,600	122	1.3%
75.3%	9,464	9,600	136	1.4%
76.5%	9,316	9,600	284	3.1%
77.8%	9,295	9,600	305	3.3%
79.0%	9,217	9,596	380	4.1%
80.2%	9,159	9,545	387	4.2%
81.5%	9,158	9,540	383	4.2%
82.7%	9,039	9,501	462	5.1%
84.0%	9,001	9,433	432	4.8%

Table SW-11-3a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	7,118	8,602	11,470	15,095	17,894	14,536	10,653	9,910	11,791	13,426	10,713	8,486
Alternative A	7,194	8,635	12,295	15,527	18,386	14,352	10,296	9,628	11,361	13,277	10,476	8,199
Difference	76	33	825	432	493	-184	-357	-282	-430	-149	-238	-287
Percent Difference ³	1.1%	0.4%	7.2%	2.9%	2.8%	-1.3%	-3.4%	-2.8%	-3.6%	-1.1%	-2.2%	-3.4%
Water Year Types²												
Wet (32%)												
No Action Alternative	8,256	11,140	12,019	27,425	30,056	25,065	15,273	12,518	12,054	13,435	11,265	12,845
Alternative A	8,525	10,571	13,074	27,932	30,434	24,946	15,249	12,558	12,149	13,085	10,988	12,331
Difference	269	-568	1,055	508	378	-120	-24	40	95	-350	-278	-514
Percent Difference	3.3%	-5.1%	8.8%	1.9%	1.3%	-0.5%	-0.2%	0.3%	0.8%	-2.6%	-2.5%	-4.0%
Above Normal (15%)												
No Action Alternative	7,002	10,572	11,766	16,070	23,265	15,927	10,423	10,017	12,192	14,362	10,831	8,621
Alternative A	7,181	10,785	12,935	16,076	23,762	15,871	10,512	10,083	11,469	14,203	10,291	7,768
Difference	179	212	1,169	6	498	-56	89	66	-723	-159	-540	-853
Percent Difference	2.6%	2.0%	9.9%	0.0%	2.1%	-0.4%	0.8%	0.7%	-5.9%	-1.1%	-5.0%	-9.9%
Below Normal (17%)												
No Action Alternative	6,428	7,368	12,988	9,215	11,748	8,915	8,496	8,585	11,479	13,067	10,265	5,750
Alternative A	6,896	7,827	13,792	9,648	12,346	8,707	8,629	8,388	10,695	12,958	9,660	5,844
Difference	468	459	804	433	598	-208	133	-197	-784	-109	-606	94
Percent Difference	7.3%	6.2%	6.2%	4.7%	5.1%	-2.3%	1.6%	-2.3%	-6.8%	-0.8%	-5.9%	1.6%
Dry (22%)												
No Action Alternative	6,758	6,697	12,690	7,044	9,056	8,397	7,832	8,572	11,827	13,515	10,819	6,094
Alternative A	6,247	7,158	13,429	7,744	9,796	8,059	6,802	7,735	11,104	13,649	10,437	5,868
Difference	-511	461	739	701	740	-338	-1,030	-837	-723	134	-382	-226
Percent Difference	-7.6%	6.9%	5.8%	9.9%	8.2%	-4.0%	-13.2%	-9.8%	-6.1%	1.0%	-3.5%	-3.7%
Critical (15%)												
No Action Alternative	6,116	5,428	6,386	6,341	6,596	6,098	7,619	7,708	11,131	12,756	9,762	5,685
Alternative A	6,090	5,449	6,520	6,632	6,838	5,905	6,532	7,114	10,709	12,577	10,559	5,917
Difference	-26	21	134	291	242	-192	-1,087	-594	-422	-179	797	233
Percent Difference	-0.4%	0.4%	2.1%	4.6%	3.7%	-3.2%	-14.3%	-7.7%	-3.8%	-1.4%	8.2%	4.1%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

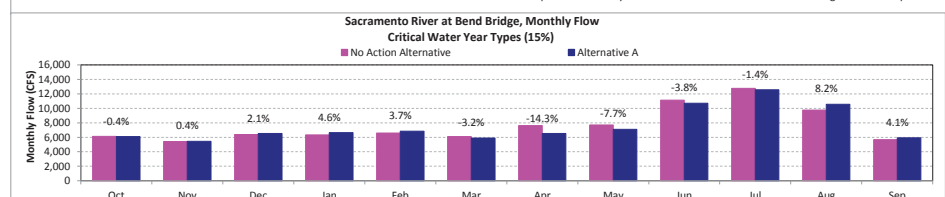
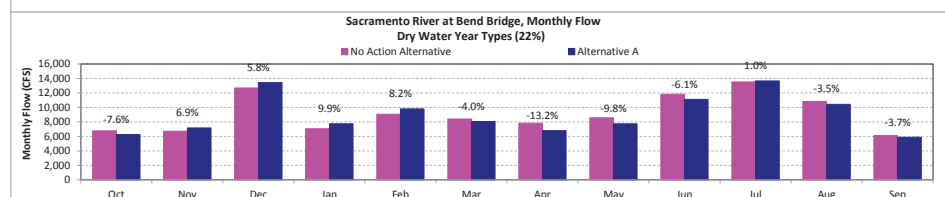
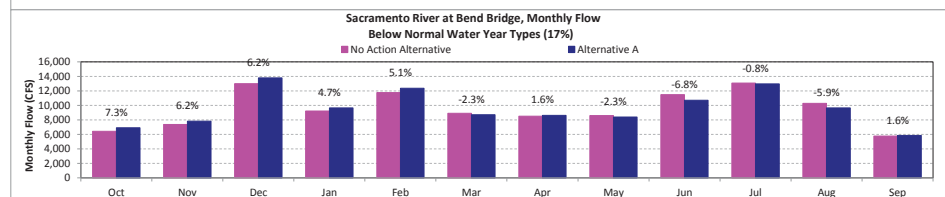
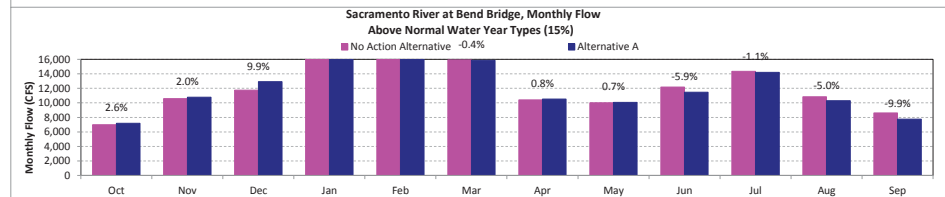
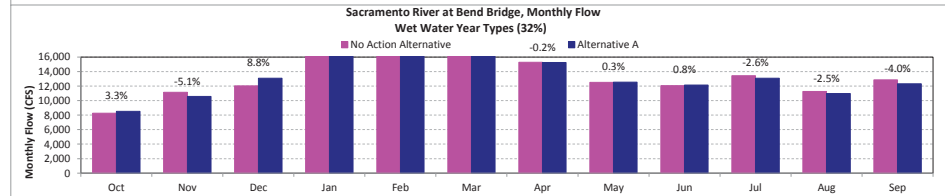
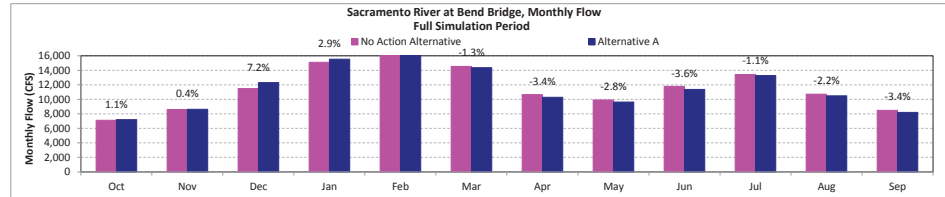


Figure SW-11-3b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

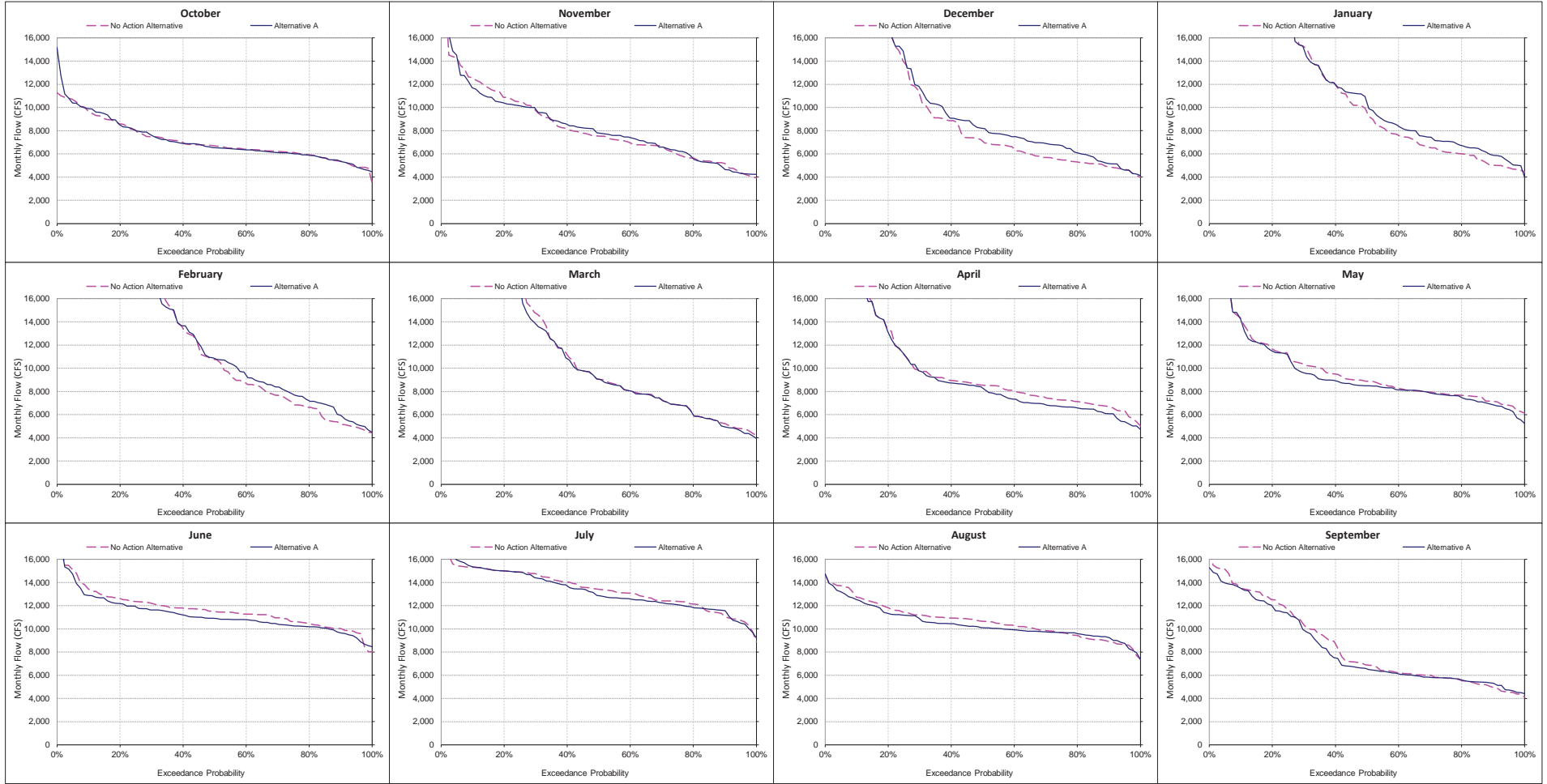


Table SW-11-3b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	15,190	3,901	34.6%
1.2%	12,745	16,310	3,565	27.9%
2.5%	10,886	11,171	286	2.6%
3.7%	10,809	10,810	1	0.0%
4.9%	10,697	10,385	-312	-2.9%
6.2%	10,470	10,367	-103	-1.0%
7.4%	10,086	10,086	0	0.1%
8.6%	10,046	9,991	-55	-0.5%
9.9%	9,702	9,902	201	2.1%
11.1%	9,490	9,869	378	4.0%
12.3%	9,320	9,605	285	3.1%
13.6%	9,276	9,577	301	3.2%
14.8%	9,047	9,491	445	4.9%
16.0%	8,947	9,363	416	4.6%
17.3%	8,943	9,348	405	4.5%
18.5%	8,799	8,942	142	1.6%
19.8%	8,607	8,536	-71	-0.8%
21.0%	8,555	8,324	-231	-2.7%
22.2%	8,390	8,293	-97	-1.2%
23.5%	8,131	8,241	110	1.4%
24.7%	8,081	8,043	-38	-0.5%
25.9%	7,773	7,951	177	2.3%
27.2%	7,713	7,891	178	2.3%
28.4%	7,498	7,889	391	5.2%
29.6%	7,492	7,670	178	2.4%
30.9%	7,473	7,482	9	0.1%
32.1%	7,460	7,351	-109	-1.5%
33.3%	7,395	7,245	-150	-2.0%
34.6%	7,244	7,243	-1	0.0%
35.8%	7,219	7,077	-142	-2.0%
37.0%	7,177	7,061	-116	-1.6%
38.3%	7,147	7,003	-144	-2.0%
39.5%	7,066	6,915	-152	-2.1%
40.7%	6,852	6,886	34	0.5%
42.0%	6,822	6,875	53	0.8%
43.2%	6,805	6,874	69	1.0%
44.4%	6,792	6,868	76	1.1%
45.7%	6,780	6,772	-8	-0.1%
46.9%	6,757	6,661	-96	-1.4%
48.1%	6,753	6,611	-142	-2.1%
49.4%	6,719	6,538	-181	-2.7%
50.6%	6,681	6,537	-143	-2.1%
51.9%	6,634	6,491	-143	-2.2%
53.1%	6,591	6,487	-105	-1.6%
54.3%	6,495	6,468	-27	-0.4%
55.6%	6,493	6,426	-67	-1.0%
56.8%	6,498	6,405	-93	-1.4%
58.0%	6,475	6,380	-96	-1.5%
59.3%	6,415	6,365	-50	-0.8%
60.5%	6,397	6,341	-56	-0.9%
61.7%	6,364	6,335	-29	-0.4%
63.0%	6,357	6,287	-70	-1.1%
64.2%	6,334	6,261	-73	-1.2%
65.4%	6,301	6,261	-40	-0.6%
66.7%	6,251	6,188	-63	-1.0%
67.9%	6,243	6,172	-71	-1.1%
69.1%	6,228	6,129	-97	-1.6%
70.4%	6,210	6,121	-88	-1.4%
71.6%	6,196	6,108	-88	-1.4%
72.8%	6,162	6,089	-73	-1.2%
74.1%	6,115	6,043	-72	-1.2%
75.3%	6,113	6,002	-111	-1.8%
76.5%	6,032	6,000	-32	-0.5%
77.8%	6,017	5,919	-98	-1.6%
79.0%	5,939	5,916	-23	-0.4%
80.2%	5,920	5,875	-45	-0.8%
81.5%	5,845	5,850	5	0.1%
82.7%	5,792	5,766	-26	-0.4%
84.0%	5,696	5,667	-29	-0.5%
85.2%	5,619	5,647	28	0.5%
86.4%	5,481	5,506	26	0.5%
87.7%	5,443	5,484	41	0.8%
88.9%	5,399	5,466	66	1.2%
90.1%	5,369	5,343	-26	-0.5%
91.4%	5,261	5,261	0	0.0%
92.6%	5,144	5,176	32	0.6%
93.8%	5,160	5,118	-42	-0.8%
95.1%	4,854	4,841	-13	-0.3%
96.3%	4,850	4,758	-92	-1.9%
97.5%	4,838	4,642	-197	-4.1%
98.8%	4,746	4,581	-165	-3.5%
100.0%	3,451	4,447	996	28.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	37,008	688	1.9%
1.2%	20,310	20,310	0	0.0%
2.5%	14,530	16,288	1,759	12.1%
3.7%	14,384	14,884	500	3.5%
4.9%	14,311	14,531	220	1.5%
6.2%	13,627	12,781	-846	-6.2%
7.4%	13,425	12,750	-675	-5.0%
8.6%	12,640	12,265	-375	-3.0%
9.9%	12,564	11,701	-863	-6.9%
11.1%	12,357	11,579	-778	-6.3%
12.3%	12,201	11,227	-974	-8.0%
13.6%	11,943	11,042	-901	-7.5%
14.8%	11,732	10,911	-821	-7.0%
16.0%	11,535	10,882	-653	-5.7%
17.3%	11,403	10,533	-870	-7.6%
18.5%	11,371	10,475	-896	-7.9%
19.8%	10,855	10,417	-437	-4.3%
21.0%	10,881	10,289	-593	-5.4%
22.2%	10,734	10,278	-456	-4.2%
23.5%	10,536	10,215	-320	-3.0%
24.7%	10,508	10,172	-337	-3.2%
25.9%	10,442	10,088	-355	-3.4%
27.2%	10,198	10,025	-173	-1.7%
28.4%	10,154	10,013	-142	-1.4%
29.6%	9,847	10,006	158	1.6%
30.9%	9,511	9,567	56	0.6%
32.1%	9,261	9,550	270	2.9%
33.3%	9,205	9,495	290	3.1%
34.6%	9,085	8,954	-132	-1.5%
35.8%	8,732	8,882	150	1.7%
37.0%	8,365	8,815	450	5.4%
38.3%	8,003	8,660	657	8.2%
39.5%	7,615	8,593	978	12.8%
40.7%	8,058	8,432	375	4.6%
42.0%	7,979	8,414	435	5.5%
43.2%	7,920	8,305	385	4.9%
44.4%	7,798	8,268	470	6.0%
45.7%	7,766	8,230	464	6.0%
46.9%	7,692	8,188	496	6.4%
48.1%	7,557	8,186	629	8.3%
49.4%	7,552	7,812	260	3.4%
50.6%	7,531	7,772	241	3.2%
51.9%	7,251	7,725	474	6.5%
53.1%	7,323	7,689	366	5.0%
54.3%	7,258	7,599	341	4.7%
55.6%	7,221	7,593	372	5.2%
56.8%	7,166	7,598	432	6.0%
58.0%	7,119	7,463	344	4.8%
59.3%	7,037	7,460	423	6.0%
60.5%	6,869	7,373	504	7.3%
61.7%	6,795	7,290	496	7.3%
63.0%	6,786	7,144	358	5.3%
64.2%	6,771	7,129	358	5.3%
65.4%	6,760	6,944	184	2.7%
66.7%	6,737	6,938	202	3.0%
67.9%	6,732	6,898	166	2.5%
69.1%	6,732	6,595	-137	-2.0%
70.4%	6,580	6,590	10	0.1%
71.6%	6,343	6,470	127	2.0%
72.8%	6,225	6,369	144	2.3%
74.1%	6,082	6,346	264	4.3%
75.3%	5,913	6,240	327	5.5%
76.5%	5,806	6,219	413	7.1%
77.8%	5,668	6,110	442	7.8%
79.0%	5,648	5,870	222	3.9%
80.2%	5,638	5,507	-131	-2.3%
81.5%	5,449	5,411	-38	-0.7%
82.7%	5,429	5,315	-114	-2.1%
84.0%	5,387	5,295	-92	-1.7%
85.2%	5,379	5,257	-122	-2.3%
86.4%	5,280	5,237	-44	-0.8%
87.7%	5,258	5,176	-82	-1.6%
88.9%	5,253	4,942	-312	-5.9%
90.1%	5,153	4,649	-504	-9.8%
91.4%	4,790	4,627	-163	-3.4%
92.6%	4,748	4,439	-309	-6.5%
93.8%	4,579	4,427	-152	-3.3%
95.1%	4,376	4,321	-55	-1.3%
96.3%	4,239	4,280	41	1.0%
97.5%	4,128	4,260	132	3.2%
98.8%	4,029	4,255	227	5.6%
100.0%	3,936	4,238	302	7.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,823	1	0.0%
1.2%	41,269	41,269	0	0.0%
2.5%	34,922	34,912	-10	0.0%
3.7%	34,074	34,884	810	2.4%
4.9%	33,410	33,630	220	0.7%
6.2%	31,136	32,542	1,405	4.5%
7.4%	29,912	29,912	0	0.0%
8.6%	29,696	28,563	-1,133	-3.8%
9.9%	25,091	26,635	1,544	6.2%
11.1%	23,809	25,870	2,061	8.7%
12.3%	22,287	24,489	2,202	9.9%
13.6%	21,560	23,684	2,125	9.9%
14.8%	21,351	23,566	2,215	10.4%
16.0%	20,125	21,347	1,222	6.1%
17.3%	18,729	21,109	2,381	12.7%
18.5%	18,189	20,816	2,627	14.4%
19.8%	17,210	20,313	3,104	18.0%
21.0%	16,249	16,132	-117	-0.7%
22.2%	15,283	15,285	2	0.0%
23.5%	14,883	15,277	394	2.6%
24.7%	14,038	14,884	846	6.0%
25.9%	13,574	13,408	-166	-1.2%
27.2%	11,964	13,341	1,377	11.5%
28.4%	11,837	11,962	125	1.1%
29.6%	11,462	11,833	371	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.7%
33.3%	9,607	10,364	757	7.9%
34.6%	9,114	10,323	1,209	13.3%
35.8%	9,104	10,243	1,140	12.5%
37.0%	9,074	10,098	1,025	11.3%
38.3%	8,927	9,508	581	6.5%
39.5%	8,872	9,082	210	2.4%
40.7%	8,860	9,070	210	2.4%
42.0%	8,688	8,988	300	3.5%
43.2%	7,771	8,917	1,146	14.7%
44.4%	7,415	8,977	1,562	19.7%
45.7%	7,384	8,876	1,492	20.2%
46.9%	7,383	8,509	1,126	15.3%
48.1%	7,342	8,289	947	12.9%
49.4%	7,231	8,226	995	13.8%
50.6%	6,951	8,186	1,235	17.8%
51.9%	6,923	7,840	917	13.3%
53.1%	6,810	7,768	959	14.1%
54.3%	6,783	7,763	980	14.4%
55.6%	6,775	7,738	963	14.2%
56.8%	6,771	7,652	881	13.0%
58.0%	6,681	7,587	906	13.6%
59.3%	6,603	7,486	883	13.4%
60.5%	6,255	7,479	1,224	19.6%
61.7%	6,243	7,389	1,146	18.4%
63.0%	6,143	7,329	1,186	19.3%
64.2%	5,994	7,103	1,108	18.5%
65.4%	5,954	7,060	1,106	18.6%
66.7%	5,831	6,975	1,144	19.6%
67.9%	5,815	6,959	1,145	19.7%
69.1%	5,705	6,938	1,233	21.6%
70.4%	5,690	6,873	1,183	20.8%
71.6%	5,676	6,804	1,128	19.9%
72.8%	5,570	6,789	1,219	21.9%
74.1%	5,524	6,773	1,249	22.6%
75.3%	5,475	6,691	1,216	22.2%
76.5%	5,461	6,471	1,010	18.5%
77.8%	5,365	6,449	1,084	20.2%
79.0%	5,347	6,156	809	15.1%
80.2%	5,293	6,075	782	14.8%
81.5%	5,235	5,980	745	14.2%
82.7%	5,225	5,951	726	13.9%
84.0%	5,163	5,836	673	13.0%
85.2%	5,153	5,710	556	10.8%
86.4%	5,126	5,415	289	5.6%
87.7%	5,121	5,345		

Table SW-11-3b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	73,741	73,735	-6	0.0%
1.2%	62,967	63,062	95	0.1%
2.5%	62,796	62,999	203	0.3%
3.7%	55,334	55,332	-2	0.0%
4.9%	48,194	49,580	1,386	2.9%
6.2%	47,418	49,013	1,596	3.4%
7.4%	45,743	47,085	1,342	2.9%
8.6%	43,850	43,890	40	0.1%
9.9%	43,343	43,346	3	0.0%
11.1%	42,098	42,092	-6	0.0%
12.3%	39,597	41,242	1,645	4.2%
13.6%	39,566	39,599	33	0.1%
14.8%	37,756	37,769	13	0.0%
16.0%	32,915	32,914	-2	0.0%
17.3%	32,825	32,826	1	0.0%
18.5%	30,984	30,985	2	0.0%
19.8%	29,868	29,872	4	0.0%
21.0%	27,913	27,914	1	0.0%
22.2%	27,169	27,168	-1	0.0%
23.5%	24,392	24,231	-161	-0.7%
24.7%	24,232	23,722	-509	-2.1%
25.9%	23,284	23,284	0	0.0%
27.2%	20,793	22,496	1,703	8.2%
28.4%	20,711	20,801	90	0.4%
29.6%	19,550	20,712	1,162	5.9%
30.9%	17,705	18,056	352	2.0%
32.1%	17,522	16,562	-960	-5.5%
33.3%	16,589	15,543	-1,046	-6.3%
34.6%	15,790	15,287	-503	-3.2%
35.8%	15,288	15,094	-194	-1.3%
37.0%	14,927	15,042	115	0.8%
38.3%	13,915	13,911	-4	0.0%
39.5%	13,642	13,678	36	0.3%
40.7%	13,102	13,641	539	4.1%
42.0%	12,925	13,110	185	1.4%
43.2%	12,797	12,918	121	0.9%
44.4%	12,302	12,304	2	0.0%
45.7%	11,183	11,832	649	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,953	-1	0.0%
49.4%	10,770	10,901	131	1.2%
50.6%	10,733	10,767	34	0.3%
51.9%	10,471	10,719	249	2.4%
53.1%	9,836	10,700	864	8.8%
54.3%	9,691	10,472	781	8.1%
55.6%	9,214	10,336	1,122	12.2%
56.8%	8,953	10,134	1,181	13.2%
58.0%	8,944	9,716	772	8.6%
59.3%	8,826	9,678	851	9.6%
60.5%	8,597	9,189	592	6.9%
61.7%	8,587	9,148	561	6.5%
63.0%	8,528	8,951	423	5.0%
64.2%	8,450	8,841	391	4.6%
65.4%	8,182	8,800	618	7.6%
66.7%	7,885	8,600	715	9.1%
67.9%	7,822	8,583	762	9.7%
69.1%	7,680	8,399	709	9.2%
70.4%	7,649	8,379	730	9.5%
71.6%	7,575	8,180	605	8.0%
72.8%	7,354	8,028	674	9.2%
74.1%	7,145	7,857	712	10.0%
75.3%	6,833	7,695	862	12.6%
76.5%	6,828	7,589	761	11.1%
77.8%	6,797	7,581	784	11.5%
79.0%	6,633	7,322	689	10.4%
80.2%	6,630	7,148	519	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,046	552	8.5%
84.0%	5,844	6,968	1,124	19.2%
85.2%	5,509	6,873	1,364	24.8%
86.4%	5,471	6,774	1,303	23.8%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,021	645	12.0%
90.1%	5,165	5,911	746	14.4%
91.4%	5,143	5,616	472	9.2%
92.6%	5,056	5,450	394	7.8%
93.9%	4,970	5,375	405	8.2%
95.1%	4,910	5,165	255	5.2%
96.3%	4,794	5,059	265	5.5%
97.5%	4,666	4,972	305	6.5%
98.8%	4,495	4,667	172	3.8%
100.0%	4,441	4,461	20	0.4%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	69,281	69,284	4	0.0%
1.2%	69,130	69,131	1	0.0%
2.5%	53,612	53,620	8	0.0%
3.7%	50,175	50,165	-10	0.0%
4.9%	46,777	46,778	1	0.0%
6.2%	39,468	36,319	-3,150	-8.0%
7.4%	37,413	33,113	-4,300	-11.5%
8.6%	31,967	31,967	-11	0.0%
9.9%	29,384	29,386	2	0.0%
11.1%	26,760	26,758	-2	0.0%
12.3%	25,167	25,168	2	0.0%
13.6%	23,886	24,165	280	1.2%
14.8%	21,388	21,388	2	0.0%
16.0%	20,528	20,533	5	0.0%
17.3%	19,947	19,930	-16	-0.1%
18.5%	19,929	19,232	-697	-3.5%
19.8%	19,871	19,137	-735	-3.7%
21.0%	19,134	18,979	-155	-0.8%
22.2%	18,532	18,536	4	0.0%
23.5%	18,238	18,480	243	1.3%
24.7%	17,674	17,675	1	0.0%
25.9%	17,359	17,359	0	0.0%
27.2%	15,647	14,804	-843	-5.4%
28.4%	15,302	14,257	-1,045	-6.8%
29.6%	14,801	13,931	-870	-5.9%
30.9%	14,581	13,585	-996	-6.8%
32.1%	14,258	13,296	-962	-6.8%
33.3%	13,653	13,182	-471	-3.4%
34.6%	12,557	12,560	3	0.0%
35.8%	12,342	12,340	-2	0.0%
37.0%	11,751	11,809	58	0.5%
38.3%	11,699	11,699	0	0.0%
39.5%	11,358	10,892	-466	-4.1%
40.7%	10,908	10,667	-241	-2.2%
42.0%	10,645	10,139	-506	-4.8%
43.2%	9,968	9,969	1	0.0%
44.4%	9,798	9,904	6	0.1%
45.7%	9,735	9,731	-4	0.0%
46.9%	9,700	9,691	-9	-0.1%
48.1%	9,419	9,417	-2	0.0%
49.4%	9,087	9,074	-13	-0.1%
50.6%	9,076	9,038	-38	-0.4%
51.9%	8,992	8,778	-214	-2.4%
53.1%	8,776	8,699	-77	-0.9%
54.3%	8,697	8,606	-91	-1.0%
55.6%	8,605	8,555	-50	-0.8%
56.8%	8,491	8,495	4	0.0%
58.0%	8,153	8,161	9	0.1%
59.3%	8,092	8,097	5	0.1%
60.5%	8,017	8,012	-5	-0.1%
61.7%	7,902	7,905	3	0.0%
63.0%	7,808	7,766	-43	-0.6%
64.2%	7,765	7,763	-2	0.0%
65.4%	7,764	7,755	-8	-0.1%
66.7%	7,759	7,658	-101	-1.3%
67.9%	7,467	7,466	0	0.0%
69.1%	7,448	7,444	-4	-0.1%
70.4%	7,189	7,188	-1	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,892	-8	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,838	6	0.1%
76.5%	6,801	6,798	-3	0.0%
77.8%	6,755	6,754	-1	0.0%
79.0%	6,399	6,399	0	0.0%
80.2%	5,876	5,870	-6	-0.1%
81.5%	5,946	5,945	-1	0.0%
82.7%	5,793	5,794	1	0.0%
84.0%	5,674	5,672	-2	0.0%
85.2%	5,665	5,665	0	0.0%
86.4%	5,531	5,535	4	0.1%
87.7%	5,468	5,470	2	0.0%
88.9%	5,283	5,029	-254	-4.8%
90.1%	5,214	4,931	-283	-5.4%
91.4%	5,038	4,861	-177	-3.5%
92.6%	4,930	4,838	-92	-1.9%
93.9%	4,813	4,756	-57	-1.2%
95.1%	4,805	4,603	-202	-4.2%
96.3%	4,767	4,389	-378	-7.9%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,184	-205	-4.7%
100.0%	4,197	3,964	-233	-5.6%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	41,231	41,234	3	0.0%
1.2%	33,731	33,732	2	0.0%
2.5%	28,731	24,732	-4,000	-13.9%
3.7%	23,667	23,667	0	0.0%
4.9%	22,398	22,399	1	0.0%
6.2%	22,070	22,067	-3	0.0%
7.4%	17,934	17,934	0	0.0%
8.6%	17,612	17,615	4	0.0%
9.9%	17,573	17,573	0	0.0%
11.1%	16,912	16,914	2	0.0%
12.3%	16,879	16,883	4	0.0%
13.6%	16,204	15,745	-459	-2.8%
14.8%	15,744	15,742	-2	0.0%
16.0%	14,572	14,575	3	0.0%
17.3%	14,317	14,320	3	0.0%
18.5%	14,172	14,175	3	0.0%
19.8%	13,397	13,197	-200	-1.5%
21.0%	13,196	12,487	-709	-5.4%
22.2%	11,941	11,943	2	0.0%
23.5%	11,702	11,703	2	0.0%
24.7%	11,304	11,305	2	0.0%
25.9%	10,873	10,872	-1	0.0%
27.2%	10,482	10,335	-147	-1.4%
28.4%	9,935	10,312	377	3.8%
29.6%	9,824	9,776	-47	-0.5%
30.9%	9,743	9,675	-68	-0.7%
32.1%	9,704	9,363	-340	-3.5%
33.3%	9,425	9,256	-168	-1.8%
34.6%	9,256	9,233	-23	-0.2%
35.8%	9,204	8,928	-276	-3.0%
37.0%	9,191	8,968	-223	-2.4%
38.3%	8,991	8,792	-199	-2.2%
39.5%	8,944	8,741	-203	-2.3%
40.7%	8,926	8,710	-216	-2.4%
42.0%	8,890	8,676	-214	-2.4%
43.2%	8,836	8,652	-184	-2.1%
44.4%	8,818	8,603	-215	-2.4%
45.7%	8,759	8,530	-230	-2.6%
46.9%	8,719	8,527	-192	-2.2%
48.1%	8,604	8,439	-165	-1.9%
49.4%	8,552	8,406	-146	-1.7%
50.6%	8,535	8,368	-167	-1.9%
51.9%	8,509	7,918	-591	-6.9%
53.1%	8,502	7,855	-647	-7.6%
54.3%	8,479	7,759	-720	-8.5%
55.6%	8,440	7,755	-685	-8.1%
56.8%	8,195	7,566	-629	-7.7%
58.0%	8,110	7,406	-704	-8.7%
59.3%	8,105	7,355	-750	-9.2%
60.5%	7,964	7,337	-627	-7.9%
61.7%	7,912	7,132	-779	-9.8%
63.0%	7,866	7,036	-830	-10.5%
64.2%	7,734	7,036	-698	-9.0%
65.4%	7,657	6,984	-673	-8.8%
66.7%	7,630	6,968	-662	-8.7%
67.9%	7,556	6,967	-589	-7.8%
69.1%	7,550	6,927	-624	-8.3%
70.4%	7,418	6,811	-607	-8.2%
71.6%	7,381	6,768	-614	-8.3%
72.8%	7,305	6,766	-540	-7.4%
74.1%	7,296	6,720	-576	-7.8%
75.3%	7,256	6,671	-584	-8.1%
76.5%	7,254	6,656	-598	-8.2%
77.8%	7,228	6,651	-577	-8.0%
79.0%	7,147	6,630	-517	-7.2%
80.2%	7,122	6,564	-558	-7.8%
81.5%	7,050	6,495	-555	-7.9%
82.7%	7,016	6,493	-523	-7.5%
84.0%	6,940	6,487	-453	-6.5%
85.2%	6,872	6,473	-400	-5.8%
86.4%	6,806	6,283	-523	-7.7%
87.7%	6,783	6,224	-559	-8.2%
88.9%	6,733	6,103	-630	-9.

Table SW-11-3b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	25,043	25,044	1	0.0%
1.2%	17,360	17,360	0	0.0%
2.5%	15,488	15,350	-138	-0.9%
3.7%	15,474	15,158	-316	-2.0%
4.9%	15,121	14,747	-374	-2.5%
6.2%	14,605	13,900	-705	-4.8%
7.4%	14,067	13,438	-629	-4.5%
8.6%	13,840	12,959	-881	-6.4%
9.9%	13,454	12,876	-578	-4.3%
11.1%	13,235	12,869	-366	-2.8%
12.3%	13,234	12,723	-511	-3.9%
13.6%	13,019	12,679	-340	-2.6%
14.8%	12,908	12,677	-231	-1.8%
16.0%	12,759	12,408	-351	-2.8%
17.3%	12,745	12,281	-464	-3.6%
18.5%	12,674	12,214	-460	-3.6%
19.8%	12,625	12,192	-433	-3.4%
21.0%	12,521	12,153	-367	-2.9%
22.2%	12,493	11,972	-521	-4.2%
23.5%	12,391	11,965	-426	-3.4%
24.7%	12,359	11,961	-398	-3.2%
25.9%	12,351	11,765	-586	-4.7%
27.2%	12,323	11,743	-580	-4.7%
28.4%	12,305	11,735	-571	-4.6%
29.6%	12,235	11,625	-609	-5.0%
30.9%	12,135	11,622	-514	-4.2%
32.1%	12,031	11,621	-409	-3.4%
33.3%	12,014	11,579	-435	-3.6%
34.6%	11,959	11,522	-437	-3.7%
35.8%	11,839	11,453	-386	-3.3%
37.0%	11,817	11,405	-413	-3.5%
38.3%	11,808	11,287	-521	-4.4%
39.5%	11,803	11,232	-571	-4.8%
40.7%	11,756	11,170	-586	-5.0%
42.0%	11,745	11,048	-697	-5.9%
43.2%	11,735	11,038	-697	-5.9%
44.4%	11,711	11,011	-700	-6.0%
45.7%	11,672	11,001	-672	-5.8%
46.9%	11,668	10,948	-720	-6.2%
48.1%	11,546	10,916	-629	-5.5%
49.4%	11,509	10,916	-593	-5.2%
50.6%	11,473	10,880	-593	-5.1%
51.9%	11,451	10,829	-622	-5.4%
53.1%	11,448	10,825	-622	-5.4%
54.3%	11,438	10,824	-614	-5.4%
55.6%	11,420	10,811	-608	-5.3%
56.8%	11,354	10,807	-546	-4.8%
58.0%	11,330	10,795	-535	-4.7%
59.3%	11,279	10,794	-485	-4.3%
60.5%	11,266	10,786	-481	-4.3%
61.7%	11,258	10,727	-531	-4.7%
63.0%	11,255	10,712	-543	-4.8%
64.2%	11,228	10,601	-627	-5.6%
65.4%	11,227	10,559	-667	-5.9%
66.7%	11,214	10,549	-664	-5.9%
67.9%	11,120	10,469	-651	-5.9%
69.1%	10,966	10,466	-500	-4.6%
70.4%	10,950	10,369	-582	-5.3%
71.6%	10,921	10,349	-572	-5.2%
72.8%	10,873	10,337	-536	-4.9%
74.1%	10,641	10,290	-351	-3.3%
75.3%	10,609	10,242	-368	-3.5%
76.5%	10,600	10,242	-358	-3.4%
77.8%	10,549	10,232	-317	-3.0%
79.0%	10,507	10,202	-305	-2.9%
80.2%	10,444	10,186	-258	-2.5%
81.5%	10,359	10,168	-191	-1.8%
82.7%	10,334	10,163	-172	-1.7%
84.0%	10,228	10,095	-133	-1.3%
85.2%	10,155	10,071	-84	-0.8%
86.4%	10,111	9,986	-125	-1.2%
87.7%	10,048	9,915	-133	-1.3%
88.9%	10,039	9,733	-307	-3.1%
90.1%	10,016	9,651	-364	-3.6%
91.4%	9,858	9,591	-267	-2.7%
92.6%	9,853	9,485	-368	-3.7%
93.8%	9,811	9,438	-373	-3.8%
95.1%	9,657	9,211	-446	-4.6%
96.3%	9,601	8,873	-728	-7.6%
97.5%	8,461	8,671	210	2.5%
98.8%	8,032	8,552	521	6.5%
100.0%	8,015	8,458	444	5.5%

Percent Exceedance Probability	July		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	17,021	17,022	1	0.0%
1.2%	16,939	16,939	-5	-0.1%
2.5%	16,320	16,395	75	0.5%
3.7%	15,597	16,392	795	5.1%
4.9%	15,434	15,955	521	3.4%
6.2%	15,395	15,822	426	2.8%
7.4%	15,362	15,690	328	2.1%
8.6%	15,324	15,476	152	1.0%
9.9%	15,321	15,359	39	0.3%
11.1%	15,320	15,290	-30	-0.2%
12.3%	15,281	15,298	17	0.1%
13.6%	15,205	15,210	5	0.0%
14.8%	15,171	15,140	-31	-0.2%
16.0%	15,092	15,090	-2	0.0%
17.3%	15,031	15,033	2	0.0%
18.5%	15,018	15,020	2	0.0%
19.8%	14,977	14,988	11	0.1%
21.0%	14,960	14,946	-14	-0.1%
22.2%	14,941	14,902	-39	-0.3%
23.5%	14,908	14,894	-15	-0.1%
24.7%	14,899	14,874	-25	-0.2%
25.9%	14,870	14,687	-183	-1.2%
27.2%	14,783	14,663	-120	-0.8%
28.4%	14,772	14,431	-340	-2.3%
29.6%	14,679	14,360	-319	-2.2%
30.9%	14,650	14,204	-446	-3.0%
32.1%	14,460	14,144	-316	-2.2%
33.3%	14,421	14,104	-317	-2.2%
34.6%	14,212	13,990	-222	-1.6%
35.8%	14,145	13,909	-236	-1.7%
37.0%	14,092	13,829	-263	-1.9%
38.3%	14,041	13,802	-239	-1.7%
39.5%	14,027	13,563	-464	-3.3%
40.7%	13,901	13,457	-444	-3.2%
42.0%	13,866	13,451	-415	-3.0%
43.2%	13,811	13,450	-361	-2.6%
44.4%	13,800	13,390	-410	-3.0%
45.7%	13,762	13,302	-460	-3.3%
46.9%	13,545	13,209	-336	-2.5%
48.1%	13,489	13,158	-331	-2.5%
49.4%	13,448	12,885	-563	-4.2%
50.6%	13,397	12,836	-561	-4.2%
51.9%	13,363	12,762	-602	-4.5%
53.1%	13,315	12,709	-606	-4.6%
54.3%	13,291	12,682	-609	-4.6%
55.6%	13,175	12,677	-498	-3.8%
56.8%	13,125	12,629	-496	-3.8%
58.0%	13,104	12,619	-485	-3.7%
59.3%	13,079	12,613	-466	-3.6%
60.5%	13,071	12,553	-518	-4.0%
61.7%	13,009	12,497	-512	-3.9%
63.0%	12,853	12,492	-361	-2.8%
64.2%	12,790	12,481	-309	-2.4%
65.4%	12,710	12,380	-330	-2.6%
66.7%	12,657	12,374	-283	-2.2%
67.9%	12,487	12,362	-124	-1.0%
69.1%	12,464	12,271	-193	-1.5%
70.4%	12,406	12,240	-166	-1.3%
71.6%	12,405	12,165	-239	-1.9%
72.8%	12,403	12,151	-252	-2.0%
74.1%	12,386	12,122	-264	-2.1%
75.3%	12,360	12,077	-283	-2.3%
76.5%	12,336	12,002	-334	-2.7%
77.8%	12,320	11,943	-377	-3.1%
79.0%	12,155	11,929	-226	-1.9%
80.2%	12,130	11,807	-323	-2.7%
81.5%	12,099	11,783	-317	-2.6%
82.7%	11,898	11,777	-121	-1.0%
84.0%	11,579	11,720	142	1.2%
85.2%	11,472	11,702	230	2.0%
86.4%	11,450	11,677	227	2.0%
87.7%	11,409	11,635	226	2.0%
88.9%	11,334	11,616	282	2.5%
90.1%	11,024	11,569	545	4.9%
91.4%	10,935	11,082	147	1.3%
92.6%	10,851	10,726	-125	-1.2%
93.8%	10,844	10,637	-207	-1.9%
95.1%	10,743	10,489	-253	-2.4%
96.3%	10,604	10,426	-178	-1.7%
97.5%	10,317	10,053	-263	-2.6%
98.8%	9,776	9,701	-76	-0.8%
100.0%	8,915	9,207	313	3.5%

Percent Exceedance Probability	August		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	14,735	14,736	1	0.0%
1.2%	13,942	13,938	-5	-0.0%
2.5%	13,922	13,729	-193	-1.4%
3.7%	13,739	13,336	-403	-2.9%
4.9%	13,725	13,206	-519	-3.8%
6.2%	13,606	13,009	-598	-4.4%
7.4%	13,569	12,766	-803	-5.9%
8.6%	13,206	12,679	-527	-4.0%
9.9%	12,741	12,531	-210	-1.6%
11.1%	12,673	12,408	-266	-2.1%
12.3%	12,537	12,208	-330	-2.6%
13.6%	12,438	12,109	-329	-2.6%
14.8%	12,340	12,042	-298	-2.4%
16.0%	12,252	11,833	-419	-2.6%
17.3%	12,151	11,810	-341	-2.8%
18.5%	11,955	11,439	-516	-4.3%
19.8%	11,841	11,347	-493	-4.2%
21.0%	11,691	11,241	-450	-3.8%
22.2%	11,601	11,238	-363	-3.1%
23.5%	11,588	11,235	-353	-3.0%
24.7%	11,443	11,179	-264	-2.3%
25.9%	11,434	11,166	-268	-2.3%
27.2%	11,301	11,143	-159	-1.4%
28.4%	11,208	11,131	-77	-0.7%
29.6%	11,206	10,946	-260	-2.3%
30.9%	11,183	10,642	-542	-4.8%
32.1%	11,132	10,574	-558	-5.0%
33.3%	11,053	10,562	-491	-4.4%
34.6%	11,048	10,539	-510	-4.6%
35.8%	10,995	10,478	-517	-4.7%
37.0%	10,989	10,476	-513	-4.7%
38.3%	10,953	10,459	-492	-4.5%
39.5%	10,930	10,454	-476	-4.4%
40.7%	10,930	10,453	-477	-4.4%
42.0%	10,914	10,366	-548	-5.0%
43.2%	10,898	10,322	-576	-5.3%
44.4%	10,885	10,275	-609	-5.6%
45.7%	10,852	10,222	-629	-5.8%
46.9%	10,811	10,221	-590	-5.5%
48.1%	10,736	10,210	-527	-4.9%
49.4%	10,674	10,103	-571	-5.3%
50.6%	10,607	10,087	-520	-4.9%
51.9%	10,630	10,084	-546	-5.1%
53.1%	10,593	10,051	-542	-5.1%
54.3%	10,492	10,040	-452	-4.3%
55.6%	10,462	10,023	-438	-4.2%
56.8%	10,351	9,969	-381	-3.7%
58.0%	10,334	9,945	-389	-3.8%
59.3%	10,334	9,925	-409	-4.0%
60.5%	10,227	9,915	-313	-3.1%
61.7%	10,203	9,856	-347	-3.4%
63.0%	10,186	9,832	-354	-3.5%
64.2%	10,125	9,806	-319	-3.2%
65.4%	10,078	9,806	-272	-2.7%
66.7%	9,991	9,797	-195	-2.0%
67.9%	9,913	9,796	-117	-1.2%
69.1%	9,893	9,749	-144	-1.5%
70.4%	9,835	9,725	-110	-1.1%
71.6%	9,823	9,706	-117	-1.2%
72.8%	9,798	9,705	-93	-0.9%
74.1%	9,707	9,693	-13	-0.1%
75.3%	9,659	9,688	30	0.3%
76.5%	9,614	9,667	54	0.6%
77.8%	9,469	9,664	195	2.1%
79.0%	9,462	9,656	194	2.0%
80.2%	9,406	9,578	172	1.8%
81.5%	9,203	9,528	324	3.5%
82.7				

Table SW-12.3a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	7,009	8,619	11,525	15,263	18,025	14,624	10,566	9,505	11,044	12,615	10,052	8,336
Alternative A	7,084	8,549	11,648	14,438	17,279	13,593	10,057	9,244	10,968	12,822	9,855	8,095
Difference	75	-70	123	-825	-746	-1,031	-510	-261	-76	207	-197	-241
Percent Difference ³	1.1%	-0.8%	1.1%	-5.4%	-4.1%	-7.1%	-4.8%	-2.7%	-0.7%	1.6%	-2.0%	-2.9%
Water Year Types²												
Wet (32%)												
No Action Alternative	8,110	11,165	12,073	27,709	30,272	25,221	15,212	11,926	10,975	12,224	10,305	12,617
Alternative A	8,436	10,485	12,177	26,848	29,652	24,760	15,123	12,012	11,672	12,376	10,101	12,232
Difference	326	-680	104	-861	-619	-461	-89	86	697	151	-204	-385
Percent Difference	4.0%	-6.1%	0.9%	-3.1%	-2.0%	-1.8%	-0.6%	0.7%	6.3%	1.2%	-2.0%	-3.1%
Above Normal (15%)												
No Action Alternative	6,889	10,585	11,813	16,316	23,461	16,046	10,312	9,441	11,141	13,240	9,956	8,419
Alternative A	6,941	10,615	12,031	14,436	22,380	14,944	10,064	9,485	10,853	13,647	9,498	7,611
Difference	52	30	218	-1,880	-1,081	-1,102	-248	43	-288	407	-458	-807
Percent Difference	0.8%	0.3%	1.8%	-11.5%	-4.6%	-6.9%	-2.4%	0.5%	-2.6%	3.1%	-4.6%	-9.6%
Below Normal (17%)												
No Action Alternative	6,325	7,396	13,046	9,331	11,836	8,942	8,376	8,226	10,834	12,363	9,710	5,646
Alternative A	6,804	7,778	13,245	8,235	10,939	7,492	8,178	8,019	10,221	12,594	9,146	5,740
Difference	478	383	198	-1,096	-897	-1,450	-199	-207	-612	231	-563	93
Percent Difference	7.6%	5.2%	1.5%	-11.7%	-7.6%	-16.2%	-2.4%	-2.5%	-5.7%	1.9%	-5.8%	1.7%
Dry (22%)												
No Action Alternative	6,663	6,712	12,765	7,117	9,125	8,457	7,730	8,323	11,334	13,040	10,432	6,002
Alternative A	6,148	7,060	13,121	6,869	8,442	6,872	6,558	7,494	10,827	13,355	10,043	5,768
Difference	-515	348	356	-249	-683	-1,585	-1,172	-829	-506	315	-389	-234
Percent Difference	-7.7%	5.2%	2.8%	-3.5%	-7.5%	-18.7%	-15.2%	-10.0%	-4.5%	2.4%	-3.7%	-3.9%
Critical (15%)												
No Action Alternative	6,057	5,427	6,415	6,383	6,625	6,124	7,565	7,586	10,903	12,494	9,431	5,618
Alternative A	6,026	5,425	6,047	6,144	6,020	5,246	6,515	7,061	10,639	12,430	10,223	5,853
Difference	-32	-3	-367	-239	-606	-878	-1,050	-525	-264	-65	792	235
Percent Difference	-0.5%	0.0%	-5.7%	-3.7%	-9.1%	-14.3%	-13.9%	-6.9%	-2.4%	-0.5%	8.4%	4.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

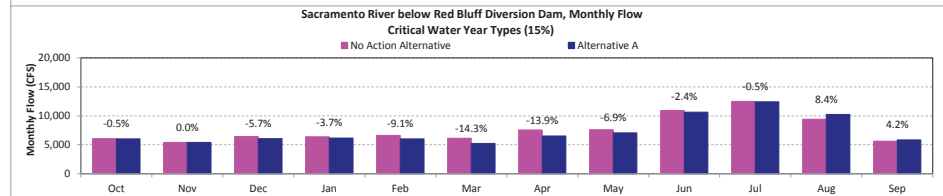
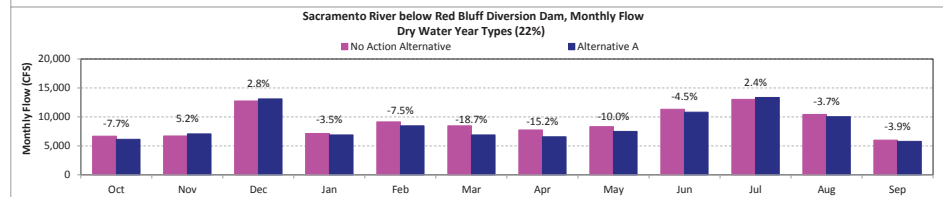
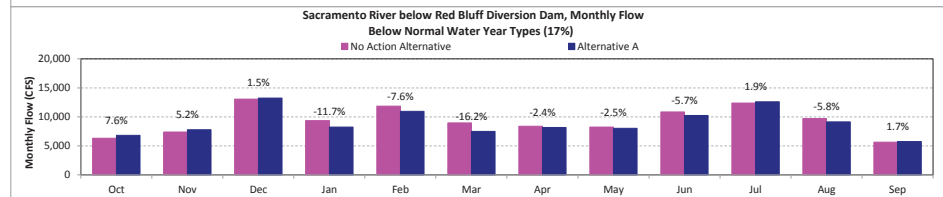
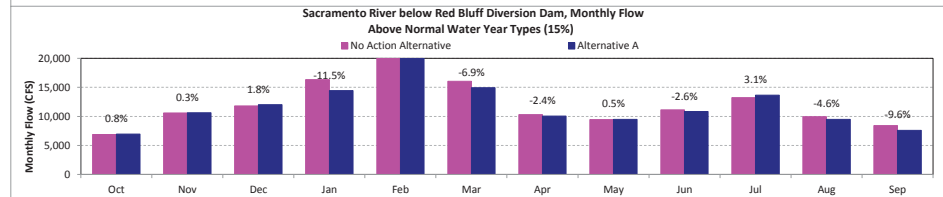
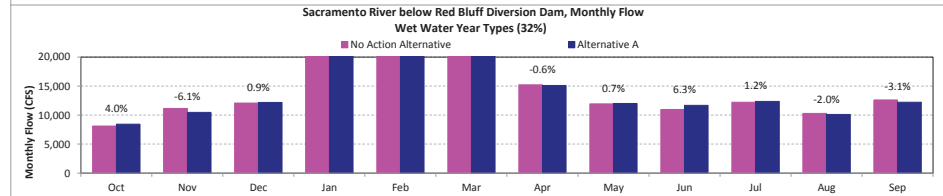
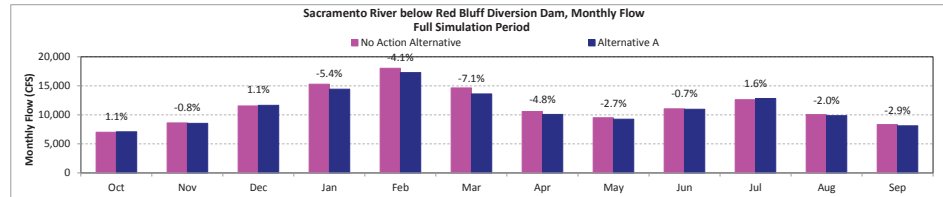


Figure SW-12-3b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

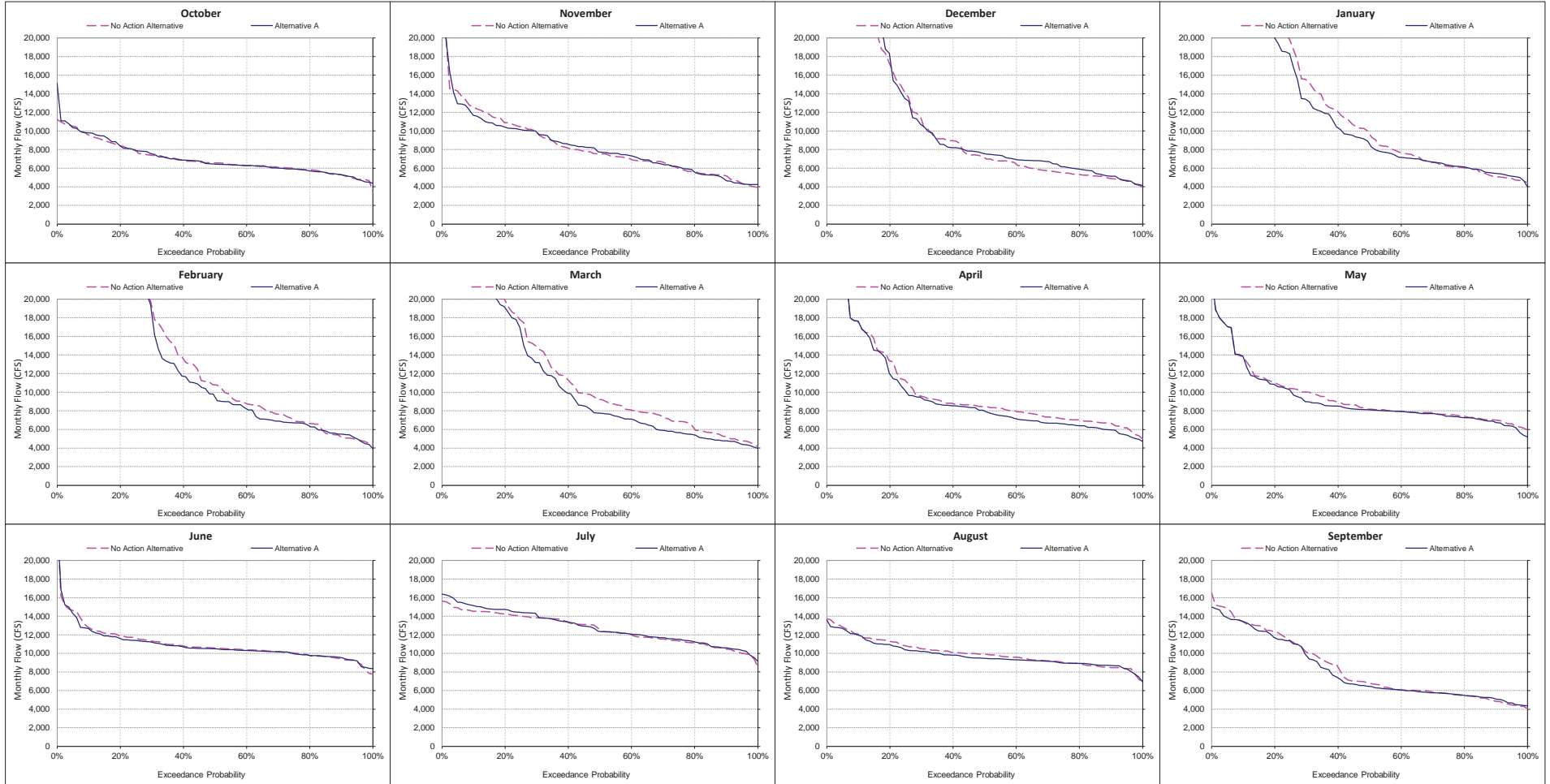


Table SW-12-3b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	11,234	15,136	3,901	34.7%
0.2%	10,406	14,088	3,682	35.4%
2.5%	10,748	11,075	328	3.0%
3.7%	10,673	10,767	94	0.9%
4.9%	10,532	10,359	-173	-1.6%
6.2%	10,406	10,278	-128	-1.2%
7.4%	9,911	9,940	29	0.3%
8.6%	9,860	9,829	-31	-0.3%
9.9%	9,573	9,812	239	2.5%
11.1%	9,412	9,763	351	3.7%
12.3%	9,271	9,576	306	3.3%
13.6%	9,162	9,498	335	3.7%
14.8%	8,923	9,472	549	6.2%
16.0%	8,855	9,220	365	4.1%
17.3%	8,703	8,862	159	1.8%
18.5%	8,581	8,898	277	3.2%
19.8%	8,400	8,457	57	0.7%
21.0%	8,335	8,155	-180	-2.2%
22.2%	8,165	8,134	-31	-0.4%
23.5%	8,026	8,107	81	1.0%
24.7%	7,987	7,890	-98	-1.2%
25.9%	7,978	7,845	-133	-1.7%
27.2%	7,566	7,830	264	3.5%
28.4%	7,443	7,800	357	4.8%
29.6%	7,403	7,558	155	2.1%
30.9%	7,384	7,482	97	1.3%
32.1%	7,369	7,225	-144	-2.0%
33.3%	7,273	7,212	-62	-0.8%
34.6%	7,103	7,184	81	1.1%
35.8%	7,092	7,007	-86	-1.2%
37.0%	7,075	7,002	-73	-1.0%
38.3%	6,976	6,907	-69	-1.0%
39.5%	6,881	6,860	-21	-0.3%
40.7%	6,767	6,857	91	1.3%
42.0%	6,759	6,829	70	1.0%
43.2%	6,751	6,819	68	1.0%
44.4%	6,678	6,781	103	1.5%
45.7%	6,652	6,738	86	1.3%
46.9%	6,602	6,495	-107	-1.6%
48.1%	6,592	6,483	-109	-1.7%
49.4%	6,578	6,452	-126	-1.9%
50.6%	6,562	6,426	-137	-2.1%
51.9%	6,551	6,418	-132	-2.0%
53.1%	6,516	6,408	-108	-1.7%
54.3%	6,432	6,370	-62	-1.0%
55.6%	6,359	6,355	-4	-0.1%
56.8%	6,352	6,342	-10	-0.2%
58.0%	6,343	6,304	-39	-0.6%
59.3%	6,312	6,294	-18	-0.3%
60.5%	6,288	6,276	-11	-0.2%
61.7%	6,284	6,275	-9	-0.1%
63.0%	6,282	6,224	-58	-0.9%
64.2%	6,263	6,206	-57	-0.9%
65.4%	6,241	6,200	-41	-0.7%
66.7%	6,186	6,134	-52	-0.8%
67.9%	6,155	6,028	-128	-2.1%
69.1%	6,137	6,028	-111	-1.8%
70.4%	6,063	6,003	-60	-1.0%
71.6%	6,059	5,968	-91	-1.5%
72.8%	6,023	5,914	-109	-1.8%
74.1%	6,003	5,913	-91	-1.5%
75.3%	5,989	5,895	-94	-1.6%
76.5%	5,904	5,880	-23	-0.4%
77.8%	5,860	5,837	-23	-0.4%
79.0%	5,845	5,745	-100	-1.7%
80.2%	5,845	5,704	-141	-2.4%
81.5%	5,778	5,648	-131	-2.3%
82.7%	5,720	5,605	-115	-2.0%
84.0%	5,602	5,602	-1	0.0%
85.2%	5,522	5,510	-12	-0.2%
86.4%	5,387	5,428	42	0.8%
87.7%	5,345	5,428	82	1.5%
88.9%	5,327	5,336	10	0.2%
90.1%	5,301	5,289	-12	-0.2%
91.4%	5,150	5,189	39	0.8%
92.6%	5,082	5,112	30	0.6%
93.8%	4,907	5,065	158	3.2%
95.1%	4,798	4,780	-18	-0.4%
96.3%	4,790	4,679	-110	-2.3%
97.5%	4,764	4,524	-239	-5.0%
98.8%	4,673	4,504	-169	-3.6%
100.0%	3,452	4,392	940	27.2%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	36,392	34,959	-1,433	-3.9%
1.2%	20,440	20,108	-331	-1.6%
2.5%	14,550	16,378	1,827	12.6%
3.7%	14,481	14,164	-317	-2.2%
4.9%	14,307	12,920	-1,387	-9.7%
6.2%	13,757	12,893	-864	-6.3%
7.4%	13,668	12,793	-875	-6.4%
8.6%	12,980	12,297	-683	-5.3%
9.9%	12,591	11,706	-885	-7.0%
11.1%	12,356	11,578	-778	-6.3%
12.3%	12,239	11,358	-880	-7.2%
13.6%	11,992	11,038	-954	-8.0%
14.8%	11,841	10,903	-938	-7.9%
16.0%	11,510	10,873	-637	-5.5%
17.3%	11,403	10,584	-819	-7.2%
18.5%	11,402	10,576	-826	-7.2%
19.8%	10,888	10,430	-458	-4.2%
21.0%	10,681	10,296	-385	-3.6%
22.2%	10,744	10,273	-472	-4.4%
23.5%	10,586	10,238	-348	-3.3%
24.7%	10,483	10,162	-321	-3.1%
25.9%	10,463	10,089	-374	-3.6%
27.2%	10,187	10,055	-132	-1.3%
28.4%	10,169	10,021	-148	-1.5%
29.6%	9,987	10,006	19	0.2%
30.9%	9,513	9,604	92	1.0%
32.1%	9,294	9,565	271	2.9%
33.3%	9,132	9,482	350	3.8%
34.6%	9,057	8,988	-69	-0.8%
35.8%	7,092	8,775	1,683	23.7%
37.0%	8,363	8,821	457	5.5%
38.3%	8,321	8,649	328	3.9%
39.5%	8,211	8,621	410	5.0%
40.7%	8,076	8,499	423	5.2%
42.0%	8,013	8,424	410	5.1%
43.2%	7,979	8,318	340	4.3%
44.4%	7,877	8,308	431	5.5%
45.7%	7,770	8,235	465	6.0%
46.9%	7,750	8,230	480	6.2%
48.1%	7,558	8,168	610	8.1%
49.4%	7,550	7,764	214	2.8%
50.6%	7,548	7,714	166	2.2%
51.9%	7,535	7,693	158	2.1%
53.1%	7,354	7,609	256	3.5%
54.3%	7,284	7,594	310	4.3%
55.6%	7,231	7,590	359	5.0%
56.8%	7,198	7,456	258	3.6%
58.0%	7,109	7,451	342	4.8%
59.3%	7,026	7,369	343	4.9%
60.5%	6,867	7,282	415	6.0%
61.7%	6,820	7,139	319	4.7%
63.0%	6,787	6,949	162	2.4%
64.2%	6,781	6,905	124	1.8%
65.4%	6,770	6,897	127	1.9%
66.7%	6,134	6,582	448	7.3%
67.9%	6,728	6,576	-152	-2.3%
69.1%	6,715	6,472	-244	-3.6%
70.4%	6,580	6,367	-213	-3.2%
71.6%	6,355	6,363	8	0.1%
72.8%	6,231	6,214	-17	-0.3%
74.1%	6,101	6,201	100	1.6%
75.3%	5,987	6,006	209	3.5%
76.5%	5,806	5,958	152	2.6%
77.8%	5,668	5,919	250	4.4%
79.0%	5,545	5,859	314	5.7%
80.2%	5,627	5,511	-116	-2.1%
81.5%	5,454	5,402	-52	-0.9%
82.7%	5,412	5,316	-96	-1.8%
84.0%	5,382	5,292	-90	-1.7%
85.2%	5,372	5,286	-86	-1.6%
86.4%	5,302	5,222	-80	-1.5%
87.7%	5,290	5,167	-123	-2.3%
88.9%	5,237	4,939	-298	-5.7%
90.1%	5,165	4,645	-520	-10.1%
91.4%	4,789	4,617	-172	-3.6%
92.6%	4,735	4,422	-312	-6.6%
93.8%	4,569	4,412	-157	-3.4%
95.1%	4,363	4,308	-55	-1.3%
96.3%	4,241	4,265	23	0.5%
97.5%	4,111	4,258	147	3.6%
98.8%	4,018	4,238	220	5.5%
100.0%	3,921	4,232	311	7.9%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	43,097	43,098	1	0.0%
1.2%	41,516	40,008	-1,508	-3.6%
2.5%	35,067	33,772	-1,295	-3.7%
3.7%	34,216	32,836	-1,280	-3.7%
4.9%	33,579	32,932	-648	-1.9%
6.2%	31,369	32,774	1,405	4.5%
7.4%	29,959	29,493	-466	-1.5%
8.6%	29,836	26,583	-3,253	-10.9%
9.9%	25,158	24,752	-407	-1.6%
11.1%	23,886	23,816	-70	-0.3%
12.3%	22,411	22,492	81	0.4%
13.6%	21,681	21,684	3	0.0%
14.8%	21,471	21,522	51	0.2%
16.0%	20,363	21,466	1,104	5.4%
17.3%	18,832	21,229	2,396	12.7%
18.5%	18,360	18,799	439	2.4%
19.8%	17,352	18,363	1,011	5.8%
21.0%	16,368	15,402	-966	-5.9%
22.2%	15,339	14,906	-434	-2.8%
23.5%	14,905	14,153	-752	-5.0%
24.7%	14,163	13,473	-691	-4.9%
25.9%	13,589	13,221	-368	-2.7%
27.2%	12,050	11,411	-639	-5.3%
28.4%	11,913	11,298	-615	-5.2%
29.6%	11,594	10,728	-866	-7.5%
30.9%	10,337	10,428	91	0.9%
32.1%	10,151	9,927	-224	-2.3%
33.3%	9,694	9,788	94	1.0%
34.6%	9,158	9,166	8	0.1%
35.8%	9,152	8,577	-574	-6.3%
37.0%	9,145	8,538	-607	-6.6%
38.3%	8,968	8,261	-707	-7.9%
39.5%	8,966	8,221	-746	-8.3%
40.7%	8,923	8,210	-712	-8.0%
42.0%	8,719	8,167	-552	-6.3%
43.2%	7,848	8,019	171	2.2%
44.4%	7,474	7,947	473	6.3%
45.7%	7,418	7,845	427	5.8%
46.9%	7,413	7,778	364	4.9%
48.1%	7,382	7,744	362	4.9%
49.4%	7,271	7,608	337	4.6%
50.6%	7,169	7,499	330	4.6%
51.9%	6,966	7,494	528	7.6%
53.1%	6,815	7,424	609	8.9%
54.3%	6,797	7,744	947	14.0%
55.6%	6,787	7,332	545	8.0%
56.8%	6,778	7,108	330	4.9%
58.0%	6,705	7,063	358	5.3%
59.3%	6,610	6,982	372	5.6%
60.5%	6,284	6,906	623	9.9%
61.7%	6,248	6,881	632	10.1%
63.0%	6,183	6,855	672	10.9%
64.2%	6,003	6,851	849	14.1%
65.4%	5,962	6,811	849	14.2%
66.7%	5,853	6,809	956	16.3%
67.9%	5,818	6,776	958	16.5%
69.1%	5,737	6,736	999	17.4%
70.4%	5,709	6,694	986	17.3%
71.6%	5,681	6,475	794	14.0%
72.8%	5,573	6,452	879	15.8%
74.1%	5,539	6,172	633	11.4%
75.3%	5,475	6,156	681	12.4%
76.5%	5,468	6,075	607	11.1%
77.8%	5,369	5,980	611	11.4%
79.0%	5,351	5,959	608	11.4%
80.2%	5,314	5,858	543	10.2%
81.5%	5,250	5,840	590	11.2%
82.7%	5,245	5,756	511	9.7%
84.0%	5,163	5,720	556	10.8%
85.2%	5,162	5,418	256	5.0%
86.4%	5,136	5,349	213	4.1%
87.7%	5,126	5,247	121	2.4%
88.9%	4,935			

Table SW-12-3b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	74,341	-6	0.0%
1.2%	67,638	66,514	-1,124	-1.7%
2.5%	63,339	63,790	451	0.7%
3.7%	55,701	55,699	-2	0.0%
4.9%	48,307	47,707	-601	-1.2%
6.2%	47,665	47,198	-468	-1.0%
7.4%	46,544	47,163	619	1.3%
8.6%	44,215	43,523	-691	-1.6%
9.9%	43,520	42,312	-1,208	-2.8%
11.1%	42,318	42,134	-184	-0.4%
12.3%	39,842	39,391	-451	-1.1%
13.6%	39,837	38,890	-947	-2.4%
14.8%	38,278	36,170	-2,108	-5.5%
16.0%	33,017	33,016	-1	0.0%
17.3%	32,937	32,938	1	0.0%
18.5%	31,197	30,227	-970	-3.1%
19.8%	30,223	29,077	-1,146	-3.8%
21.0%	28,064	25,943	-2,120	-7.6%
22.2%	27,321	25,198	-2,122	-7.8%
23.5%	24,548	24,343	-205	-0.8%
24.7%	24,343	21,757	-2,586	-10.6%
25.9%	23,544	21,423	-2,121	-9.0%
27.2%	20,933	20,835	-98	-0.3%
28.4%	20,834	20,599	-235	-1.1%
29.6%	19,774	19,371	-402	-2.0%
30.9%	17,823	16,196	-1,626	-9.1%
32.1%	17,823	14,519	-3,304	-18.5%
33.3%	16,767	13,617	-3,149	-18.8%
34.6%	15,985	13,342	-2,643	-16.5%
35.8%	15,464	13,139	-2,325	-15.0%
37.0%	15,145	13,091	-2,054	-13.6%
38.3%	14,009	12,300	-1,709	-12.2%
39.5%	13,805	11,745	-2,061	-14.9%
40.7%	13,192	11,683	-1,509	-11.4%
42.0%	13,023	11,079	-1,944	-14.9%
43.2%	12,985	11,037	-1,948	-15.0%
44.4%	12,511	10,895	-1,616	-12.9%
45.7%	11,237	10,518	-719	-6.4%
46.9%	11,170	10,392	-778	-7.0%
48.1%	11,117	9,826	-1,291	-11.6%
49.4%	10,802	9,799	-1,003	-9.3%
50.6%	10,784	9,111	-1,673	-15.5%
51.9%	10,516	9,014	-1,502	-14.3%
53.1%	9,976	8,995	-981	-9.8%
54.3%	9,827	8,993	-834	-8.5%
55.6%	9,296	8,674	-622	-6.7%
56.8%	9,048	8,667	-380	-4.2%
58.0%	9,031	8,660	-372	-4.1%
59.3%	8,875	8,356	-520	-5.9%
60.5%	8,716	8,106	-610	-7.0%
61.7%	8,652	8,099	-552	-6.4%
63.0%	8,615	7,376	-1,239	-14.4%
64.2%	8,492	7,113	-1,379	-16.2%
65.4%	8,210	7,110	-1,101	-13.4%
66.7%	7,908	7,079	-829	-10.5%
67.9%	7,864	7,012	-851	-10.8%
69.1%	7,681	6,909	-772	-10.0%
70.4%	7,618	6,889	-729	-9.6%
71.6%	7,605	6,797	-809	-10.6%
72.8%	7,373	6,752	-621	-8.4%
74.1%	7,209	6,740	-469	-6.5%
75.3%	6,888	6,713	-174	-2.5%
76.5%	6,850	6,707	-142	-2.1%
77.8%	6,836	6,664	-172	-2.5%
79.0%	6,650	6,533	-117	-1.8%
80.2%	6,636	6,290	-346	-5.2%
81.5%	6,576	6,263	-313	-4.8%
82.7%	6,545	5,950	-595	-9.1%
84.0%	5,881	5,929	47	0.8%
85.2%	5,554	5,797	243	4.4%
86.4%	5,487	5,625	139	2.5%
87.7%	5,453	5,600	146	3.1%
88.9%	5,406	5,504	99	1.8%
90.1%	5,174	5,502	328	6.3%
91.4%	5,092	5,447	355	7.0%
92.6%	5,082	5,404	322	6.3%
93.8%	4,983	5,175	191	3.8%
95.1%	4,913	4,985	72	1.5%
96.3%	4,792	4,679	-113	-2.4%
97.5%	4,678	4,467	-211	-4.5%
98.8%	4,502	4,390	-112	-2.5%
100.0%	4,447	3,904	-544	-12.2%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,638	-38	-0.1%
1.2%	69,651	67,659	-1,992	-2.9%
2.5%	53,836	53,836	0	0.0%
3.7%	50,420	50,402	-18	0.0%
4.9%	47,071	47,064	-7	0.0%
6.2%	39,950	36,659	-3,291	-8.2%
7.4%	37,425	31,179	-6,246	-16.7%
8.6%	32,127	29,995	-2,132	-6.6%
9.9%	29,614	29,609	-5	0.0%
11.1%	27,030	25,380	-1,651	-6.1%
12.3%	25,386	24,907	-480	-1.9%
13.6%	23,894	24,162	268	1.1%
14.8%	21,569	21,564	-6	0.0%
16.0%	20,575	20,202	-373	-1.8%
17.3%	20,155	20,047	-108	-0.5%
18.5%	20,094	19,403	-691	-3.2%
19.8%	20,050	19,209	-841	-4.2%
21.0%	18,264	18,594	329	1.8%
22.2%	18,633	18,008	-625	-3.4%
23.5%	18,359	17,807	-552	-3.0%
24.7%	17,814	16,988	-826	-4.6%
25.9%	17,423	15,017	-2,406	-13.8%
27.2%	15,479	13,934	-1,545	-10.0%
28.4%	15,310	13,676	-1,634	-10.7%
29.6%	15,023	13,194	-1,829	-12.2%
30.9%	14,594	13,180	-1,414	-9.7%
32.1%	14,371	12,251	-2,120	-14.8%
33.3%	13,667	11,835	-1,832	-13.4%
34.6%	12,704	11,783	-921	-7.3%
35.8%	12,401	11,504	-896	-7.2%
37.0%	11,893	10,658	-1,235	-10.4%
38.3%	11,794	10,778	-1,016	-8.6%
39.5%	11,488	9,943	-1,544	-13.4%
40.7%	11,038	9,830	-1,207	-10.9%
42.0%	10,674	9,229	-1,445	-13.5%
43.2%	9,951	8,624	-1,326	-13.3%
44.4%	9,815	8,175	-1,640	-16.7%
45.7%	9,794	8,455	-1,339	-13.7%
46.9%	9,771	8,175	-1,596	-16.3%
48.1%	9,525	7,790	-1,736	-18.2%
49.4%	9,242	7,765	-1,477	-16.0%
50.6%	9,204	7,709	-1,495	-16.2%
51.9%	9,025	7,669	-1,356	-15.0%
53.1%	8,802	7,641	-1,161	-13.2%
54.3%	8,741	7,475	-1,267	-14.5%
55.6%	8,631	7,402	-1,229	-14.2%
56.8%	8,564	7,259	-1,305	-15.2%
58.0%	8,174	7,130	-1,045	-12.8%
59.3%	8,127	7,108	-1,020	-12.5%
60.5%	8,026	7,079	-947	-11.8%
61.7%	7,927	6,867	-1,060	-13.4%
63.0%	7,870	6,693	-1,177	-15.1%
64.2%	7,805	6,622	-1,183	-15.2%
65.4%	7,774	6,446	-1,328	-17.1%
66.7%	7,529	6,369	-1,160	-15.4%
67.9%	7,615	6,012	-1,603	-21.0%
69.1%	7,512	5,907	-1,605	-21.4%
70.4%	7,258	5,883	-1,376	-19.0%
71.6%	7,136	5,802	-1,334	-18.7%
72.8%	6,904	5,795	-1,109	-16.1%
74.1%	6,870	5,672	-1,198	-17.4%
75.3%	6,853	5,666	-1,187	-17.3%
76.5%	6,836	5,569	-1,267	-18.5%
77.8%	6,731	5,493	-1,238	-18.4%
79.0%	6,474	5,483	-991	-15.3%
80.2%	5,912	5,367	-545	-9.2%
81.5%	5,892	5,136	-756	-12.8%
82.7%	5,808	5,077	-731	-12.6%
84.0%	5,690	4,997	-693	-12.2%
85.2%	5,676	4,971	-705	-12.4%
86.4%	5,573	4,872	-701	-12.6%
87.7%	5,491	4,854	-636	-11.6%
88.9%	5,260	4,782	-478	-9.1%
90.1%	5,234	4,769	-465	-8.9%
91.4%	5,004	4,721	-283	-5.7%
92.6%	5,004	4,707	-297	-5.9%
93.8%	4,837	4,565	-272	-5.6%
95.1%	4,784	4,397	-387	-8.1%
96.3%	4,741	4,365	-376	-7.9%
97.5%	4,602	4,267	-334	-7.3%
98.8%	4,393	4,113	-280	-6.4%
100.0%	4,145	3,953	-192	-4.6%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	41,370	3	0.0%
1.2%	33,800	33,802	2	0.0%
2.5%	24,788	24,790	2	0.0%
3.7%	23,656	23,656	0	0.0%
4.9%	22,542	22,543	1	0.0%
6.2%	22,166	22,163	-3	0.0%
7.4%	17,985	17,985	-1	0.0%
8.6%	13,705	13,709	4	0.0%
9.9%	17,633	17,634	1	0.0%
11.1%	16,776	16,778	2	0.0%
12.3%	16,419	16,388	-31	-0.2%
13.6%	16,384	15,823	-561	-3.4%
14.8%	15,822	14,514	-1,308	-8.3%
16.0%	14,515	14,460	-55	-0.4%
17.3%	14,356	14,147	-209	-1.5%
18.5%	14,276	13,686	-590	-4.1%
19.8%	13,396	12,025	-1,371	-10.2%
21.0%	13,258	11,441	-1,817	-13.7%
22.2%	12,023	11,326	-696	-5.8%
23.5%	11,442	10,693	-749	-6.5%
24.7%	11,325	10,233	-1,091	-9.6%
25.9%	10,857	9,657	-1,200	-11.0%
27.2%	10,409	9,646	-763	-7.3%
28.4%	9,609	9,496	-113	-1.2%
29.6%	9,607	9,463	-144	-1.5%
30.9%	9,478	9,194	-284	-3.0%
32.1%	9,329	9,091	-238	-2.5%
33.3%	9,304	8,978	-326	-3.5%
34.6%	9,202	8,742	-460	-5.0%
35.8%	9,120	8,695	-425	-4.7%
37.0%	8,873	8,614	-259	-2.9%
38.3%	8,818	8,594	-224	-2.5%
39.5%	8,818	8,551	-267	-3.0%
40.7%	8,720	8,548	-172	-2.0%
42.0%	8,704	8,491	-213	-2.4%
43.2%	8,665	8,456	-209	-2.4%
44.4%	8,612	8,412	-200	-2.3%
45.7%	8,625	8,361	-264	-3.1%
46.9%	8,597	8,339	-258	-3.0%
48.1%	8,492	8,082	-411	-4.8%
49.4%	8,451	8,078	-373	-4.4%
50.6%	8,450	7,869	-581	-6.9%
51.9%	8,351	7,723	-628	-7.5%
53.1%	8,335	7,622	-713	-8.6%
54.3%	8,277	7,548	-728	-8.8%
55.6%	8,261	7,450	-811	-9.8%
56.8%	8,089	7,429	-659	-8.1%
58.0%	8,051	7,342	-709	-8.8%
59.3%	8,015	7,206	-809	-10.1%
60.5%	7,897	7,107	-791	-10.0%
61.7%	7,864	7,035	-829	-10.5%
63.0%	7,749	7,022	-727	-9.4%
64.2%	7,743	6,952	-791	-10.2%
65.4%	7,663	6,929	-733	-9.6%
66.7%	7,582	6,925	-657	-8.7%
67.9%	7,478	6,745	-732	-9.8%
69.1%	7,346	6,689	-657	-8.9%
70.4%	7,334	6,677	-657	-9.0%
71.6%	7,275	6,671	-604	-8.3%
72.8%	7,270	6,665	-605	-8.3%
74.1%	7,166	6,629	-537	-7.5%
75.3%	7,105	6,603	-502	-7.1%
76.5%	7,073	6,516	-557	-7.9%
77.8%	7,044	6,496	-549	-7.8%
79.0%	7,029	6,412	-617	-8.8%
80.2%	7,023	6,403	-620	-8.8%
81.5%	6,907	6,388	-519	-7.5%
82.7%	6,886			

Table SW-12-3b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	24,555	625	2.6%
1.2%	16,951	16,816	-63	-0.4%
2.5%	15,144	15,238	94	0.6%
3.7%	14,772	14,998	226	1.5%
4.9%	14,616	14,328	-289	-2.0%
6.2%	14,498	13,867	-627	-4.3%
7.4%	14,057	12,706	-1,351	-9.6%
8.6%	13,165	12,737	-427	-3.2%
9.9%	12,789	12,704	-85	-0.7%
11.1%	12,580	12,371	-209	-1.7%
12.3%	12,448	12,184	-264	-2.1%
13.6%	12,358	12,116	-242	-2.0%
14.8%	12,189	11,883	-305	-2.5%
16.0%	12,138	11,871	-268	-2.2%
17.3%	12,123	11,811	-312	-2.6%
18.5%	12,108	11,790	-318	-2.6%
19.8%	11,892	11,623	-269	-2.2%
21.0%	11,863	11,474	-389	-3.3%
22.2%	11,727	11,459	-269	-2.3%
23.5%	11,724	11,415	-309	-2.6%
24.7%	11,706	11,411	-296	-2.5%
25.9%	11,527	11,344	-183	-1.6%
27.2%	11,492	11,286	-206	-1.8%
28.4%	11,421	11,280	-141	-1.2%
29.6%	11,345	11,242	-104	-0.9%
30.9%	11,274	11,134	-141	-1.2%
32.1%	11,267	11,074	-193	-1.7%
33.3%	11,137	10,976	-161	-1.4%
34.6%	10,988	10,890	-98	-0.9%
35.8%	10,963	10,854	-109	-1.0%
37.0%	10,951	10,833	-118	-1.1%
38.3%	10,854	10,818	-36	-0.3%
39.5%	10,833	10,730	-103	-1.0%
40.7%	10,739	10,635	-105	-1.0%
42.0%	10,706	10,571	-135	-1.3%
43.2%	10,689	10,566	-123	-1.2%
44.4%	10,658	10,553	-105	-1.0%
45.7%	10,658	10,535	-123	-1.2%
46.9%	10,622	10,510	-112	-1.1%
48.1%	10,620	10,509	-111	-1.0%
49.4%	10,589	10,508	-80	-0.8%
50.6%	10,551	10,487	-64	-0.6%
51.9%	10,528	10,419	-109	-1.0%
53.1%	10,521	10,402	-119	-1.1%
54.3%	10,476	10,397	-79	-0.8%
55.6%	10,468	10,396	-72	-0.7%
56.8%	10,465	10,349	-116	-1.1%
58.0%	10,423	10,338	-85	-0.8%
59.3%	10,383	10,307	-76	-0.7%
60.5%	10,365	10,301	-64	-0.6%
61.7%	10,356	10,291	-66	-0.6%
63.0%	10,337	10,265	-72	-0.7%
64.2%	10,306	10,262	-43	-0.4%
65.4%	10,302	10,236	-67	-0.6%
66.7%	10,257	10,212	-44	-0.4%
67.9%	10,225	10,177	-48	-0.5%
69.1%	10,211	10,175	-36	-0.3%
70.4%	10,208	10,164	-44	-0.4%
71.6%	10,107	10,153	46	0.5%
72.8%	10,098	10,148	50	0.5%
74.1%	10,074	10,049	-25	-0.2%
75.3%	10,022	9,936	-86	-0.9%
76.5%	9,967	9,888	-79	-0.8%
77.8%	9,918	9,847	-71	-0.7%
79.0%	9,906	9,847	-59	-0.6%
80.2%	9,727	9,767	41	0.4%
81.5%	9,714	9,747	34	0.3%
82.7%	9,706	9,747	41	0.4%
84.0%	9,686	9,694	8	0.1%
85.2%	9,676	9,670	-5	-0.1%
86.4%	9,600	9,658	58	0.6%
87.7%	9,535	9,663	128	1.2%
88.9%	9,466	9,584	118	1.2%
90.1%	9,436	9,547	111	1.2%
91.4%	9,292	9,391	100	1.1%
92.6%	9,290	9,312	22	0.2%
93.8%	9,252	9,291	39	0.3%
95.1%	9,035	9,166	131	1.4%
96.3%	8,803	8,549	-254	-2.9%
97.5%	8,189	8,490	301	3.7%
98.8%	7,856	8,401	545	6.9%
100.0%	7,758	8,366	608	7.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	16,389	765	4.9%
1.2%	15,657	16,389	749	4.8%
2.5%	15,348	16,156	808	5.3%
3.7%	14,954	15,929	976	6.5%
4.9%	14,936	15,508	572	3.8%
6.2%	14,714	15,482	768	5.2%
7.4%	14,702	15,357	655	4.5%
8.6%	14,648	15,242	594	4.1%
9.9%	14,539	15,155	615	4.2%
11.1%	14,526	15,029	503	3.5%
12.3%	14,506	15,000	494	3.4%
13.6%	14,506	14,883	378	2.6%
14.8%	14,474	14,783	309	2.1%
16.0%	14,418	14,750	332	2.3%
17.3%	14,353	14,732	380	2.6%
18.5%	14,269	14,725	456	3.2%
19.8%	14,241	14,722	481	3.4%
21.0%	14,212	14,674	461	3.2%
22.2%	14,103	14,508	405	2.9%
23.5%	14,091	14,447	356	2.5%
24.7%	14,027	14,413	386	2.8%
25.9%	13,984	14,379	395	2.8%
27.2%	13,943	14,373	430	3.1%
28.4%	13,836	14,351	515	3.7%
29.6%	13,827	14,304	477	3.5%
30.9%	13,821	13,809	-12	-0.1%
32.1%	13,816	13,802	-14	-0.1%
33.3%	13,768	13,786	19	0.1%
34.6%	13,720	13,737	17	0.1%
35.8%	13,719	13,622	-97	-0.7%
37.0%	13,700	13,503	-197	-1.4%
38.3%	13,618	13,617	-1	0.0%
39.5%	13,374	13,416	42	0.3%
40.7%	13,258	13,315	58	0.4%
42.0%	13,150	13,260	110	0.8%
43.2%	13,142	13,016	-126	-1.0%
44.4%	13,107	12,945	-162	-1.2%
45.7%	13,102	12,923	-180	-1.4%
46.9%	13,086	12,858	-228	-1.7%
48.1%	13,049	12,689	-359	-2.8%
49.4%	12,710	12,382	-327	-2.6%
50.6%	12,386	12,384	-2	0.0%
51.9%	12,318	12,328	11	0.1%
53.1%	12,304	12,325	21	0.2%
54.3%	12,281	12,276	-5	-0.0%
55.6%	12,211	12,274	62	0.5%
56.8%	12,175	12,170	-5	0.0%
58.0%	12,166	12,163	-3	0.0%
59.3%	12,089	12,118	30	0.2%
60.5%	11,896	12,041	145	1.2%
61.7%	11,799	12,037	238	2.0%
63.0%	11,748	11,995	247	2.1%
64.2%	11,746	11,906	161	1.4%
65.4%	11,737	11,805	68	0.6%
66.7%	11,668	11,779	111	1.0%
67.9%	11,643	11,735	92	0.8%
69.1%	11,544	11,690	146	1.3%
70.4%	11,529	11,674	145	1.3%
71.6%	11,423	11,570	147	1.3%
72.8%	11,402	11,565	163	1.4%
74.1%	11,368	11,530	162	1.4%
75.3%	11,354	11,519	166	1.5%
76.5%	11,271	11,403	132	1.2%
77.8%	11,187	11,383	196	1.7%
79.0%	11,156	11,333	176	1.6%
80.2%	11,151	11,221	69	0.6%
81.5%	11,027	11,131	104	0.9%
82.7%	11,025	11,115	90	0.8%
84.0%	10,872	11,036	164	1.5%
85.2%	10,750	10,730	-20	-0.2%
86.4%	10,629	10,711	82	0.8%
87.7%	10,629	10,679	50	0.5%
88.9%	10,553	10,604	51	0.5%
90.1%	10,445	10,595	150	1.4%
91.4%	10,420	10,500	80	0.8%
92.6%	10,218	10,453	234	2.3%
93.8%	10,127	10,424	297	2.9%
95.1%	10,017	10,326	309	3.1%
96.3%	9,960	10,238	278	2.8%
97.5%	9,778	9,824	46	0.5%
98.8%	9,423	9,572	148	1.6%
100.0%	8,541	9,137	596	7.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	13,622	-112	-0.8%
1.2%	13,621	13,676	55	0.4%
2.5%	13,216	12,819	-397	-3.0%
3.7%	13,085	12,766	-319	-2.4%
4.9%	12,860	12,704	-156	-1.2%
6.2%	12,633	12,449	-183	-1.5%
7.4%	12,489	12,147	-342	-2.7%
8.6%	12,160	12,104	-56	-0.5%
9.9%	12,104	11,973	-131	-1.1%
11.1%	11,691	11,822	131	1.1%
12.3%	11,657	11,443	-215	-1.8%
13.6%	11,645	11,336	-309	-2.7%
14.8%	11,503	11,096	-407	-3.5%
16.0%	11,473	11,028	-445	-3.9%
17.3%	11,451	11,018	-433	-3.8%
18.5%	11,436	10,968	-468	-4.1%
19.8%	11,301	10,862	-439	-3.9%
21.0%	11,235	10,785	-450	-4.0%
22.2%	11,211	10,728	-483	-4.3%
23.5%	10,863	10,626	-238	-2.2%
24.7%	10,839	10,415	-424	-3.9%
25.9%	10,741	10,319	-422	-3.9%
27.2%	10,694	10,377	-317	-3.0%
28.4%	10,689	10,295	-394	-3.7%
29.6%	10,513	10,218	-295	-2.8%
30.9%	10,472	10,196	-276	-2.6%
32.1%	10,458	10,152	-307	-2.9%
33.3%	10,335	10,040	-295	-2.9%
34.6%	10,327	10,028	-299	-2.9%
35.8%	10,284	9,969	-315	-3.1%
37.0%	10,246	9,854	-392	-3.8%
38.3%	10,244	9,842	-402	-3.9%
39.5%	10,126	9,822	-303	-3.0%
40.7%	10,104	9,807	-297	-2.9%
42.0%	10,063	9,761	-302	-3.0%
43.2%	10,027	9,664	-363	-3.6%
44.4%	9,990	9,564	-427	-4.3%
45.7%	9,990	9,541	-448	-4.5%
46.9%	9,974	9,512	-463	-4.6%
48.1%	9,933	9,501	-433	-4.4%
49.4%	9,930	9,471	-459	-4.6%
50.6%	9,743	9,450	-293	-3.0%
51.9%	9,836	9,432	-404	-4.1%
53.1%	9,825	9,427	-398	-4.0%
54.3%	9,795	9,411	-384	-3.9%
55.6%	9,662	9,398	-263	-2.7%
56.8%	9,633	9,371	-263	-2.7%
58.0%	9,608	9,366	-242	-2.5%
59.3%	9,599	9,343	-256	-2.7%
60.5%	9,593	9,289	-304	-3.2%
61.7%	9,509	9,263	-246	-2.6%
63.0%	9,439	9,256	-182	-1.9%
64.2%	9,321	9,240	-81	-0.9%
65.4%	9,277	9,218	-59	-0.6%
66.7%	9,268	9,215	-53	-0.6%
67.9%	9,250	9,190	-60	-0.7%
69.1%	9,209	9,185	-24	-0.3%
70.4%	9,199	9,154	-46	-0.5%
71.6%	9,192	9,105	-86	-0.9%
72.8%	9,125	9,065	-60	-0.7%
74.1%	9,076	8,968	-108	-1.2%
75.3%	8,983	8,936	-47	-0.5%
76.5%	8,946	8,935	-11	-0.1%
77.8%	8,945	8,930	-15	-0.2%
79.0%	8,929	8,916	-13	-0.1%
80.2%	8,927	8,913	-13	-0.1%
81.5%	8,772	8,911	140	1.6%
82.7%	8,699	8,888	189	2.2%
84.0%	8,682	8,813	131	1.5%
85.2%	8,666	8,761	9	

Table SW-13-3a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	6,532	8,851	12,793	17,292	20,370	16,703	10,163	8,656	8,665	9,944	8,041	7,880
Alternative A	6,647	8,794	12,555	16,313	19,418	15,256	9,647	8,484	9,426	11,181	7,947	7,700
Difference	115	-57	-238	-979	-952	-1,447	-516	-172	761	1,237	-94	-180
Percent Difference ³	1.8%	-0.6%	-1.9%	-5.7%	-4.7%	-8.7%	-5.1%	-2.0%	8.8%	12.4%	-1.2%	-2.3%
Water Year Types²												
Wet (32%)												
No Action Alternative	7,611	11,467	13,284	31,352	33,964	28,279	15,845	11,871	8,970	9,632	8,281	12,187
Alternative A	8,090	10,875	12,968	30,322	33,175	27,674	15,707	11,911	10,091	10,682	8,043	11,918
Difference	479	-592	-316	-1,030	-789	-604	-139	40	1,121	1,050	-238	-269
Percent Difference	6.3%	-5.2%	-2.4%	-3.3%	-2.3%	-2.1%	-0.9%	0.3%	12.5%	10.9%	-2.9%	-2.2%
Above Normal (15%)												
No Action Alternative	6,419	10,862	13,115	18,941	26,586	18,718	10,201	8,790	8,755	10,463	7,853	7,957
Alternative A	6,376	10,829	12,777	16,808	25,220	17,009	9,712	8,642	9,486	12,116	7,523	7,244
Difference	-43	-34	-338	-2,133	-1,366	-1,710	-490	-148	731	1,653	-330	-714
Percent Difference	-0.7%	-0.3%	-2.6%	-11.3%	-5.1%	-8.1%	-4.8%	-1.7%	8.3%	15.8%	-4.2%	-9.0%
Below Normal (17%)												
No Action Alternative	5,948	7,687	14,413	10,679	13,568	10,361	7,793	7,038	8,268	9,528	7,580	5,154
Alternative A	6,521	8,103	14,195	9,392	12,424	8,294	7,245	6,815	8,502	11,095	7,348	5,315
Difference	573	415	-218	-1,287	-1,144	-2,068	-548	-224	234	1,567	-232	161
Percent Difference	9.6%	5.4%	-1.5%	-12.1%	-8.4%	-20.0%	-7.0%	-3.2%	2.8%	16.4%	-3.1%	3.1%
Dry (22%)												
No Action Alternative	6,095	6,958	14,399	7,915	10,515	10,034	6,604	6,833	8,582	10,236	8,344	5,525
Alternative A	5,586	7,250	14,515	7,574	9,598	7,812	5,411	6,300	9,278	11,588	8,131	5,287
Difference	-509	292	116	-341	-917	-2,221	-1,193	-533	696	1,352	-212	-239
Percent Difference	-8.4%	4.2%	0.8%	-4.3%	-8.7%	-22.1%	-18.1%	-7.8%	8.1%	13.2%	-2.5%	-4.3%
Critical (15%)												
No Action Alternative	5,641	5,370	7,107	6,958	7,418	7,010	5,917	6,178	8,504	10,147	7,794	5,182
Alternative A	5,529	5,371	6,582	6,649	6,698	5,886	5,607	6,126	9,226	10,817	8,583	5,417
Difference	-112	2	-526	-310	-720	-1,125	-309	-52	722	670	790	235
Percent Difference	-2.0%	0.0%	-7.4%	-4.5%	-9.7%	-16.0%	-5.2%	-0.8%	8.5%	6.6%	10.1%	4.5%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
³ Relative difference of the monthly average

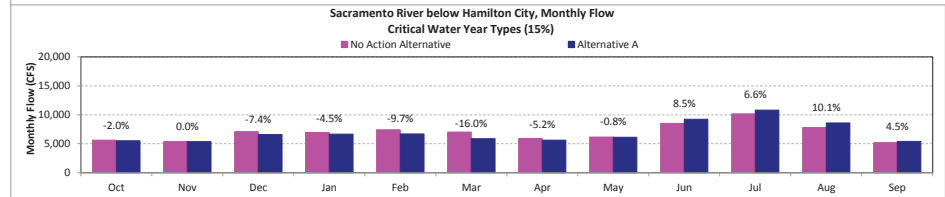
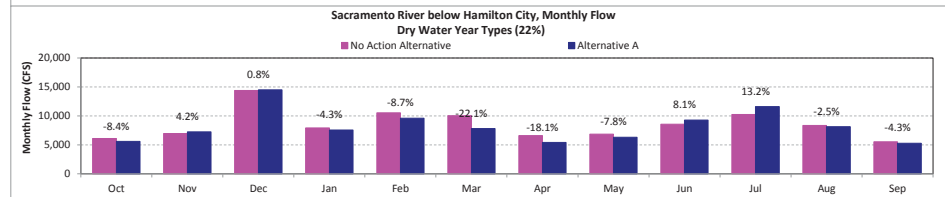
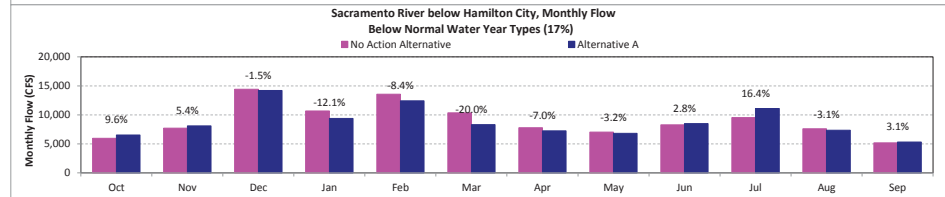
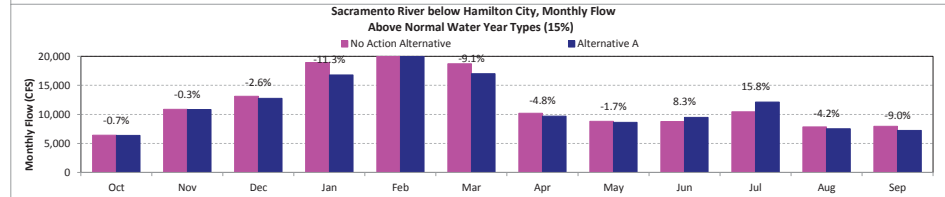
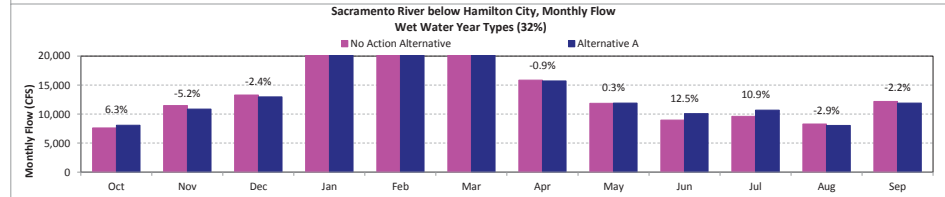
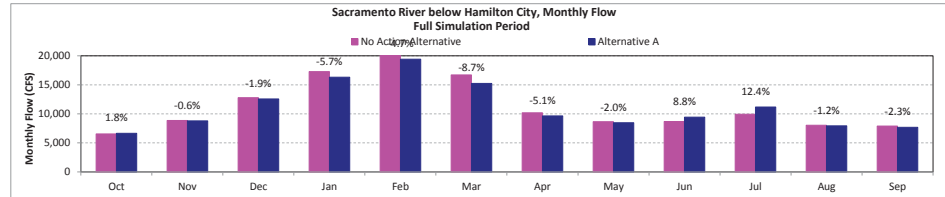


Figure SW-13-3b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

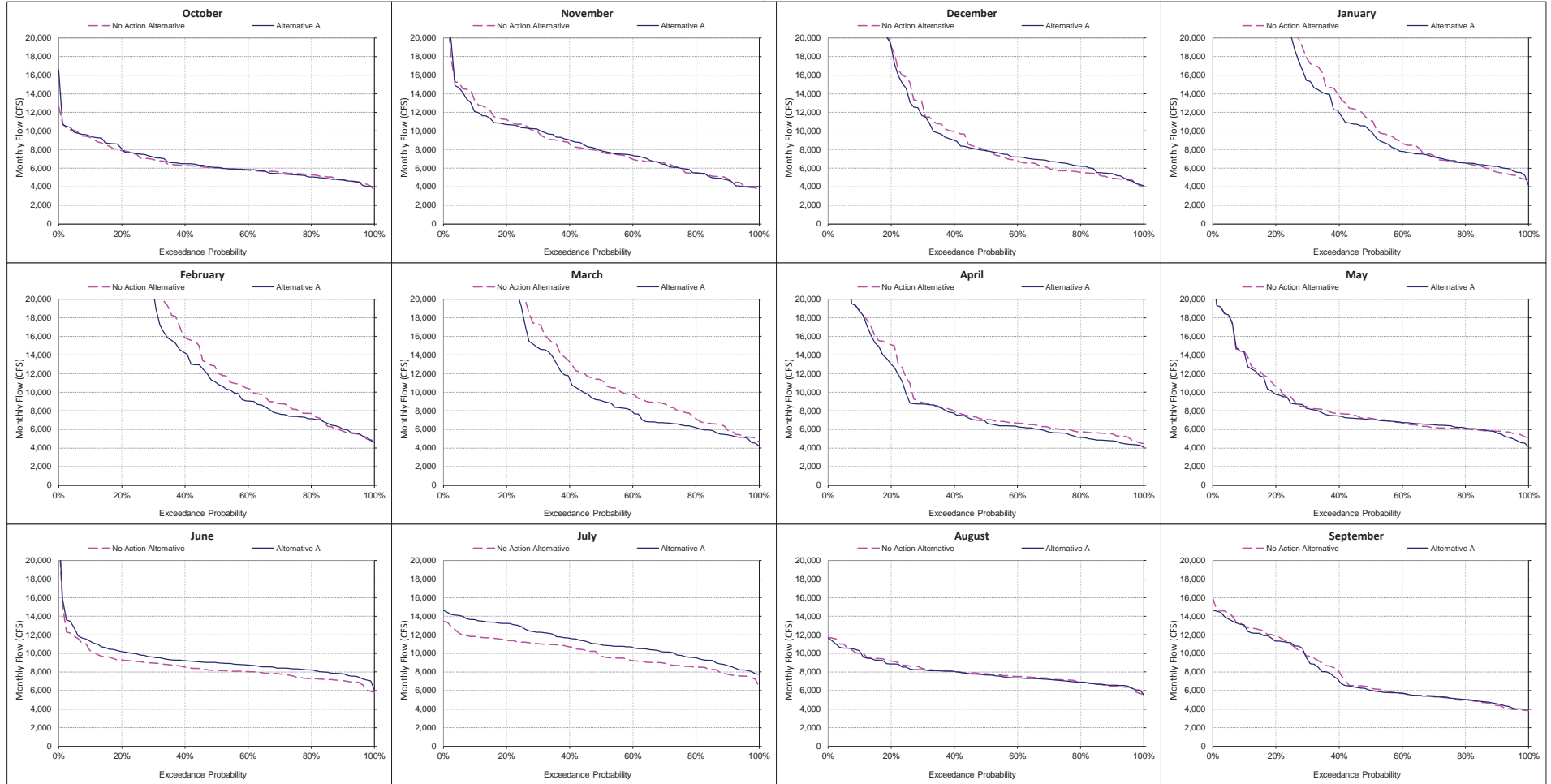


Table SW-13-3b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,650	16,552	3,902	30.8%
0.2%	12,650	10,205	-1,068	-8.4%
2.5%	10,263	10,485	2,22	2.2%
3.7%	10,097	10,383	286	2.8%
4.9%	10,066	9,846	-219	-2.2%
6.2%	9,845	9,753	-91	-0.9%
7.4%	9,457	9,635	178	1.9%
8.6%	9,426	9,616	191	2.0%
9.9%	9,329	9,465	136	1.5%
11.1%	9,110	9,338	228	2.5%
12.3%	8,810	9,263	452	5.1%
13.6%	8,707	9,230	523	6.0%
14.8%	8,447	8,699	252	3.0%
16.0%	8,380	8,647	267	3.2%
17.3%	8,099	8,615	516	6.4%
18.5%	8,005	8,603	598	7.5%
19.8%	7,899	8,183	284	3.6%
21.0%	7,850	7,716	-134	-1.7%
22.2%	7,762	7,690	-71	-0.9%
23.5%	7,564	7,657	93	1.2%
24.7%	7,511	7,579	68	0.9%
25.9%	7,056	7,500	444	6.3%
27.2%	7,055	7,473	418	5.9%
28.4%	7,036	7,357	321	4.6%
29.6%	6,990	7,220	230	3.3%
30.9%	6,851	7,134	284	4.1%
32.1%	6,739	7,090	302	4.4%
33.3%	6,745	7,025	279	4.1%
34.6%	6,462	6,683	221	3.4%
35.8%	6,391	6,604	213	3.3%
37.0%	6,374	6,601	228	3.6%
38.3%	6,311	6,487	176	2.8%
39.5%	6,301	6,492	191	3.0%
40.7%	6,292	6,491	199	3.2%
42.0%	6,247	6,483	236	3.8%
43.2%	6,232	6,432	200	3.2%
44.4%	6,188	6,316	128	2.1%
45.7%	6,139	6,305	167	2.7%
46.9%	6,093	6,198	105	1.7%
48.1%	6,080	6,124	44	0.7%
49.4%	6,034	6,096	62	1.0%
50.6%	6,018	6,089	71	1.2%
51.9%	5,994	5,985	-9	-0.1%
53.1%	5,901	5,949	49	0.8%
54.3%	5,890	5,921	31	0.5%
55.6%	5,882	5,915	33	0.6%
56.8%	5,807	5,893	86	1.5%
58.0%	5,796	5,888	92	1.6%
59.3%	5,795	5,831	36	0.6%
60.5%	5,772	5,827	55	0.9%
61.7%	5,742	5,825	83	1.4%
63.0%	5,687	5,768	81	1.4%
64.2%	5,686	5,697	11	0.2%
65.4%	5,670	5,663	-7	-0.1%
66.7%	5,662	5,467	-196	-3.5%
67.9%	5,659	5,450	-209	-3.7%
69.1%	5,597	5,423	-174	-3.1%
70.4%	5,542	5,386	-156	-2.8%
71.6%	5,504	5,348	-157	-2.8%
72.8%	5,455	5,328	-126	-2.3%
74.1%	5,430	5,307	-123	-2.3%
75.3%	5,413	5,288	-124	-2.3%
76.5%	5,375	5,247	-128	-2.4%
77.8%	5,346	5,223	-123	-2.3%
79.0%	5,291	5,062	-30	-0.5%
80.2%	5,277	5,043	-234	-4.4%
81.5%	5,237	5,034	-203	-3.9%
82.7%	5,138	4,961	-177	-3.4%
84.0%	5,124	4,955	-170	-3.3%
85.2%	5,055	4,884	-171	-3.4%
86.4%	5,041	4,813	-228	-4.5%
87.7%	4,880	4,802	-78	-1.6%
88.9%	4,795	4,761	-33	-0.7%
90.1%	4,767	4,707	-60	-1.3%
91.4%	4,644	4,638	-6	-0.1%
92.6%	4,613	4,612	-1	0.0%
93.8%	4,525	4,572	46	1.0%
95.1%	4,514	4,487	-27	-0.6%
96.3%	4,367	4,124	-244	-5.6%
97.5%	4,264	4,062	-202	-4.7%
98.8%	4,076	4,014	-63	-1.5%
100.0%	3,617	4,004	387	8.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	39,883	37,159	-2,724	-6.8%
1.2%	22,768	22,443	-323	-1.4%
2.5%	17,445	19,650	1,905	10.7%
3.7%	15,278	14,884	-395	-2.6%
4.9%	15,209	14,654	-556	-3.7%
6.2%	14,513	14,118	-395	-2.7%
7.4%	14,457	13,438	-1,019	-7.0%
8.6%	13,412	13,054	-1,358	-9.4%
9.9%	13,310	12,092	-1,217	-9.1%
11.1%	12,787	11,989	-798	-6.2%
12.3%	12,699	11,651	-1,048	-8.3%
13.6%	12,493	11,613	-881	-7.0%
14.8%	12,206	11,370	-836	-6.8%
16.0%	11,527	10,879	-648	-5.6%
17.3%	11,482	10,874	-608	-5.3%
18.5%	11,281	10,815	-466	-4.1%
19.8%	11,253	10,698	-555	-4.9%
21.0%	11,060	10,671	-389	-3.5%
22.2%	10,839	10,651	-188	-1.7%
23.5%	10,719	10,560	-159	-1.5%
24.7%	10,713	10,371	-342	-3.2%
25.9%	10,644	10,323	-321	-3.0%
27.2%	10,258	10,267	8	0.1%
28.4%	10,044	10,257	214	2.1%
29.6%	10,036	10,229	194	1.9%
30.9%	9,952	10,007	454	4.8%
32.1%	9,299	9,926	627	5.7%
33.3%	9,092	9,671	578	6.4%
34.6%	9,069	9,636	567	6.3%
35.8%	9,030	9,334	304	3.4%
37.0%	8,987	9,314	327	3.6%
38.3%	8,846	8,840	-6	-0.1%
39.5%	8,792	9,087	295	3.4%
40.7%	8,307	8,912	605	7.3%
42.0%	8,254	8,801	547	6.6%
43.2%	8,201	8,755	554	6.8%
44.4%	8,112	8,516	403	5.0%
45.7%	8,060	8,293	233	2.9%
46.9%	7,975	8,231	256	3.2%
48.1%	7,958	8,128	170	2.1%
49.4%	7,777	7,939	162	2.1%
50.6%	7,676	7,676	0	0.0%
51.9%	7,578	7,725	147	1.9%
53.1%	7,548	7,648	101	1.3%
54.3%	7,510	7,539	29	0.4%
55.6%	7,421	7,536	115	1.6%
56.8%	7,402	7,525	123	1.7%
58.0%	7,259	7,472	213	2.9%
59.3%	7,050	7,423	373	5.3%
60.5%	6,893	7,326	433	6.3%
61.7%	6,811	7,293	482	7.1%
63.0%	6,800	7,165	365	5.4%
64.2%	6,706	7,054	348	5.2%
65.4%	6,692	6,829	138	2.1%
66.7%	6,673	6,708	35	0.5%
67.9%	6,666	6,676	10	0.1%
69.1%	6,647	6,442	-205	-3.1%
70.4%	6,502	6,399	-102	-1.6%
71.6%	6,424	6,130	-294	-4.6%
72.8%	6,229	6,088	-141	-2.3%
74.1%	6,075	6,074	-1	0.0%
75.3%	5,938	5,974	36	0.6%
76.5%	5,531	5,917	386	7.0%
77.8%	5,481	5,858	377	6.9%
79.0%	5,472	5,501	30	0.5%
80.2%	5,452	5,501	49	0.9%
81.5%	5,436	5,453	17	0.3%
82.7%	5,301	5,434	133	2.5%
84.0%	5,241	5,111	-131	-2.5%
85.2%	5,146	4,978	-168	-3.3%
86.4%	5,117	4,909	-208	-4.1%
87.7%	5,098	4,906	-192	-3.8%
88.9%	4,959	4,791	-168	-3.4%
90.1%	4,833	4,714	-119	-2.5%
91.4%	4,612	4,533	-79	-1.7%
92.6%	4,485	4,114	-371	-8.3%
93.8%	4,473	4,068	-404	-9.0%
95.1%	4,124	4,033	-90	-2.2%
96.3%	3,972	4,032	60	1.5%
97.5%	3,906	4,030	124	3.2%
98.8%	3,883	4,019	136	3.5%
100.0%	3,689	4,018	329	8.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,641	48,734	92	0.2%
1.2%	47,931	47,424	-1,508	-3.1%
2.5%	38,663	39,912	1,248	3.2%
3.7%	38,506	37,469	-1,037	-2.7%
4.9%	37,913	35,777	-2,136	-5.6%
6.2%	37,864	35,692	-2,772	-7.3%
7.4%	34,005	34,005	0	0.0%
8.6%	33,136	29,312	-3,824	-11.5%
9.9%	28,160	26,905	-1,254	-4.5%
11.1%	26,314	25,378	-937	-3.6%
12.3%	25,784	24,426	-1,358	-5.3%
13.6%	24,405	23,911	-494	-2.0%
14.8%	23,956	23,268	-688	-2.9%
16.0%	23,915	22,969	-946	-4.0%
17.3%	21,577	22,511	933	4.3%
18.5%	20,868	20,105	-764	-3.7%
19.8%	19,202	19,432	230	1.2%
21.0%	18,407	17,237	-1,170	-6.4%
22.2%	16,615	15,839	-776	-4.7%
23.5%	15,998	15,143	-855	-5.3%
24.7%	15,793	14,564	-1,230	-7.8%
25.9%	15,215	13,627	-1,588	-10.4%
27.2%	13,350	12,558	-793	-5.9%
28.4%	13,264	12,505	-759	-5.7%
29.6%	13,235	11,671	-1,564	-11.8%
30.9%	11,515	11,488	-26	-0.2%
32.1%	11,490	10,798	-692	-6.0%
33.3%	11,054	9,952	-1,102	-10.0%
34.6%	10,790	9,788	-1,002	-9.3%
35.8%	10,789	9,670	-1,119	-10.4%
37.0%	10,255	9,340	-914	-8.9%
38.3%	10,053	9,176	-878	-8.8%
39.5%	9,955	9,059	-896	-9.0%
40.7%	9,915	8,890	-1,024	-10.3%
42.0%	9,694	8,379	-1,315	-13.6%
43.2%	9,662	8,362	-1,299	-13.4%
44.4%	8,593	8,217	-376	-4.3%
45.7%	8,410	8,121	-289	-3.4%
46.9%	8,332	8,082	-250	-3.0%
48.1%	8,156	7,967	-189	-2.3%
49.4%	8,048	7,934	-114	-1.4%
50.6%	7,822	7,859	37	0.5%
51.9%	7,705	7,791	85	1.1%
53.1%	7,385	7,674	289	3.9%
54.3%	7,310	7,591	282	3.9%
55.6%	7,245	7,510	265	3.7%
56.8%	7,010	7,489	479	6.8%
58.0%	6,915	7,222	307	4.4%
59.3%	6,892	7,210	318	4.6%
60.5%	6,707	7,202	495	7.4%
61.7%	6,585	7,185	601	9.1%
63.0%	6,566	7,056	500	7.6%
64.2%	6,549	7,018	469	7.2%
65.4%	6,524	6,948	424	6.5%
66.7%	6,299	6,939	640	10.2%
67.9%	6,243	6,889	647	10.4%
69.1%	6,124	6,855	732	11.9%
70.4%	5,923	6,712	789	13.3%
71.6%	5,788	6,692	904	15.6%
72.8%	5,733	6,650	918	16.0%
74.1%	5,725	6,576	850	14.9%
75.3%	5,714	6,521	808	14.1%
76.5%	5,688	6,434	746	13.1%
77.8%	5,677	6,303	626	11.0%
79.0%	5,605	6,248	642	11.5%
80.2%	5,523	6,195	672	12.2%
81.5%	5,508	6,191	683	12.4%
82.7%	5,482	6,032	549	10.0%
84.0%	5,453	5,986	533	9.8%
85.2%	5,427	5,520	93	1.7%
86.4%	5,169	5,515	345	6.7%
87.7%	5,124	5,460	335	6.5%
88.9%				

Table SW-13-3b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	81,546	-6	0.0%
1.2%	76,265	76,265	0	0.0%
2.5%	72,391	72,405	14	0.0%
3.7%	60,933	60,931	-2	0.0%
4.9%	52,482	51,407	-1,075	-2.0%
6.2%	51,691	51,372	-319	-0.6%
7.4%	50,793	51,303	510	1.2%
8.6%	49,105	47,908	-1,197	-2.4%
9.9%	47,905	47,007	-897	-1.9%
11.1%	47,013	46,595	-418	-0.9%
12.3%	45,694	44,819	-875	-1.9%
13.6%	45,216	44,264	-952	-2.1%
14.8%	41,866	39,313	-2,553	-6.1%
16.0%	36,677	36,676	-2	0.0%
17.3%	35,814	35,815	1	0.0%
18.5%	34,797	33,374	-1,423	-4.1%
19.8%	33,970	32,248	-1,723	-5.1%
21.0%	31,814	29,264	-2,550	-8.0%
22.2%	30,294	27,727	-2,567	-8.5%
23.5%	27,993	27,275	-718	-2.6%
24.7%	27,313	25,133	-2,179	-8.0%
25.9%	27,275	24,747	-2,528	-9.3%
27.2%	23,600	22,972	-628	-2.7%
28.4%	22,970	22,864	-106	-0.5%
29.6%	22,484	21,528	-956	-4.3%
30.9%	20,577	18,905	-1,672	-8.1%
32.1%	20,100	17,205	-2,895	-14.4%
33.3%	19,797	16,455	-3,342	-16.9%
34.6%	19,268	15,823	-3,444	-17.9%
35.8%	18,274	15,576	-2,699	-14.8%
37.0%	18,143	15,243	-2,900	-16.0%
38.3%	17,150	14,509	-2,641	-15.4%
39.5%	16,001	14,322	-1,679	-10.5%
40.7%	15,749	14,079	-1,670	-10.6%
42.0%	15,566	13,002	-2,564	-16.5%
43.2%	15,523	12,954	-2,569	-16.8%
44.4%	15,031	12,950	-2,081	-13.8%
45.7%	13,375	12,473	-902	-6.7%
46.9%	13,220	12,037	-1,183	-8.9%
48.1%	12,935	11,378	-1,557	-12.0%
49.4%	12,840	11,146	-1,694	-13.2%
50.6%	12,035	10,824	-1,211	-10.1%
51.9%	11,796	10,649	-1,147	-9.7%
53.1%	11,744	10,329	-1,415	-12.0%
54.3%	11,091	10,261	-830	-7.5%
55.6%	10,974	9,919	-1,055	-9.6%
56.8%	10,876	9,859	-1,017	-9.4%
58.0%	10,677	9,227	-1,450	-13.6%
59.3%	10,457	9,080	-1,377	-13.2%
60.5%	10,351	9,041	-1,310	-12.7%
61.7%	9,907	9,026	-881	-8.9%
63.0%	9,828	8,696	-1,132	-11.5%
64.2%	9,781	8,627	-1,154	-11.8%
65.4%	9,468	8,405	-1,063	-11.2%
66.7%	8,995	8,147	-848	-9.4%
67.9%	8,975	7,852	-1,122	-12.5%
69.1%	8,795	7,727	-1,068	-12.1%
70.4%	8,775	7,621	-1,154	-13.1%
71.6%	8,735	7,596	-1,139	-13.0%
72.8%	8,447	7,441	-1,006	-11.9%
74.1%	8,189	7,406	-783	-9.6%
75.3%	8,138	7,386	-752	-9.2%
76.5%	7,786	7,334	-452	-5.8%
77.8%	7,742	7,323	-419	-5.4%
79.0%	7,741	7,159	-582	-7.5%
80.2%	7,700	7,147	-553	-7.2%
81.5%	7,349	7,072	-277	-3.8%
82.7%	7,188	7,070	-118	-1.6%
84.0%	6,765	6,814	49	0.7%
85.2%	6,329	6,653	324	5.1%
86.4%	6,269	6,464	195	3.1%
87.7%	6,039	6,392	353	5.8%
88.9%	5,968	6,249	281	4.7%
90.1%	5,818	6,013	195	3.4%
91.4%	5,602	5,966	364	6.5%
92.6%	5,573	5,630	58	1.0%
93.8%	5,558	5,604	46	0.8%
95.1%	5,510	5,558	48	0.9%
96.3%	5,289	5,290	1	0.0%
97.5%	4,975	5,168	192	3.9%
98.8%	4,894	4,792	-102	-2.1%
100.0%	4,773	4,602	-170	-3.6%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,963	2	0.0%
1.2%	76,606	72,701	-3,905	-5.1%
2.5%	59,064	59,072	8	0.0%
3.7%	53,953	53,942	-10	0.0%
4.9%	52,087	52,088	1	0.0%
6.2%	44,292	41,009	-3,283	-7.4%
7.4%	37,417	37,417	0	0.0%
8.6%	36,276	33,133	-3,143	-8.7%
9.9%	33,130	32,357	-773	-2.3%
11.1%	30,981	29,604	-1,377	-4.4%
12.3%	29,603	27,070	-2,532	-8.6%
13.6%	26,653	26,934	281	1.1%
14.8%	24,211	24,217	6	0.0%
16.0%	24,215	23,582	-633	-2.6%
17.3%	22,756	22,558	-198	-0.9%
18.5%	22,699	22,395	-303	-1.3%
19.8%	22,558	22,334	-223	-1.0%
21.0%	22,393	21,187	-1,206	-5.4%
22.2%	21,243	20,627	-617	-2.9%
23.5%	20,945	20,605	-340	-1.6%
24.7%	20,604	19,226	-1,378	-6.7%
25.9%	19,929	17,094	-2,835	-14.2%
27.2%	18,519	15,479	-3,040	-16.4%
28.4%	17,441	15,183	-2,258	-12.9%
29.6%	17,384	14,853	-2,531	-14.6%
30.9%	17,191	14,611	-2,580	-15.0%
32.1%	16,128	14,573	-1,555	-9.6%
33.3%	15,797	14,315	-1,382	-8.9%
34.6%	15,322	13,808	-1,514	-9.9%
35.8%	15,177	13,073	-2,103	-13.9%
37.0%	14,154	12,304	-1,850	-13.1%
38.3%	13,825	11,858	-1,967	-14.2%
39.5%	13,444	11,797	-1,647	-12.2%
40.7%	12,987	10,747	-2,240	-17.2%
42.0%	12,302	10,488	-1,814	-14.7%
43.2%	12,206	10,244	-1,962	-16.1%
44.4%	12,081	9,963	-2,118	-17.5%
45.7%	11,686	9,802	-1,884	-16.1%
46.9%	11,555	9,413	-2,142	-18.5%
48.1%	11,428	9,212	-2,216	-19.4%
49.4%	11,398	9,169	-2,228	-19.6%
50.6%	11,188	8,912	-2,276	-20.3%
51.9%	10,627	8,898	-1,728	-16.3%
53.1%	10,509	8,831	-1,679	-16.0%
54.3%	10,481	8,387	-2,094	-20.0%
55.6%	10,182	8,360	-1,822	-17.9%
56.8%	9,911	8,294	-1,617	-16.3%
58.0%	9,800	8,238	-1,561	-15.9%
59.3%	9,794	8,105	-1,688	-17.2%
60.5%	9,707	7,672	-2,035	-21.0%
61.7%	9,324	7,644	-1,680	-18.0%
63.0%	9,306	7,006	-2,300	-24.7%
64.2%	9,011	6,836	-2,174	-24.1%
65.4%	8,943	6,807	-2,136	-23.9%
66.7%	8,936	6,803	-2,133	-23.9%
67.9%	8,896	6,720	-2,176	-24.5%
69.1%	8,833	6,717	-2,116	-24.0%
70.4%	8,703	6,703	-2,000	-23.0%
71.6%	8,385	6,668	-1,717	-20.5%
72.8%	8,353	6,625	-1,728	-20.7%
74.1%	8,024	6,588	-1,436	-17.9%
75.3%	7,987	6,480	-1,507	-18.9%
76.5%	7,810	6,401	-1,409	-18.0%
77.8%	7,768	6,393	-1,375	-17.7%
79.0%	7,359	6,272	-1,086	-14.8%
80.2%	7,096	6,174	-922	-13.0%
81.5%	6,802	6,020	-782	-11.5%
82.7%	6,709	5,960	-748	-11.2%
84.0%	6,665	5,960	-705	-10.6%
85.2%	6,622	5,890	-731	-11.0%
86.4%	6,590	5,861	-728	-11.1%
87.7%	6,490	5,504	-986	-15.2%
88.9%	6,400	5,480	-920	-14.4%
90.1%	5,898	5,417	-481	-8.1%
91.4%	5,830	5,320	-510	-8.8%
92.6%	5,468	5,229	-239	-4.4%
93.8%	5,428	5,172	-256	-4.7%
95.1%	5,234	5,157	-76	-1.5%
96.3%	5,191	5,060	-131	-2.5%
97.5%	5,175	4,608	-568	-11.0%
98.8%	5,065	4,533	-532	-10.5%
100.0%	4,620	4,226	-395	-8.5%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	44,242	3	0.0%
1.2%	36,674	36,676	2	0.0%
2.5%	27,314	27,316	2	0.0%
3.7%	25,194	25,195	1	0.0%
4.9%	25,007	25,007	0	0.0%
6.2%	23,846	23,843	-3	0.0%
7.4%	19,523	19,523	0	0.0%
8.6%	18,343	18,343	0	0.0%
9.9%	18,754	18,758	4	0.0%
11.1%	13,794	18,237	4,443	32.2%
12.3%	17,795	17,077	-718	-4.0%
13.6%	17,076	16,120	-956	-5.6%
14.8%	16,115	15,305	-811	-5.0%
16.0%	15,551	14,913	-638	-4.1%
17.3%	15,481	14,016	-1,465	-9.5%
18.5%	15,306	13,639	-1,666	-10.9%
19.8%	15,135	13,109	-2,027	-13.4%
21.0%	14,991	12,662	-2,330	-15.5%
22.2%	13,107	11,888	-1,219	-9.3%
23.5%	12,660	11,138	-1,522	-12.0%
24.7%	11,600	9,826	-1,774	-15.3%
25.9%	10,957	8,928	-2,029	-18.5%
27.2%	8,534	8,767	233	2.7%
28.4%	9,094	8,739	-354	-3.9%
29.6%	8,897	8,734	-163	-1.8%
30.9%	8,837	8,709	-128	-1.4%
32.1%	8,742	8,653	-89	-1.0%
33.3%	8,619	8,641	22	0.3%
34.6%	8,552	8,441	-111	-1.3%
35.8%	8,381	8,309	-72	-0.9%
37.0%	8,341	8,068	-273	-3.3%
38.3%	8,197	7,948	-249	-3.0%
39.5%	8,079	7,799	-280	-3.5%
40.7%	7,763	7,528	-234	-3.0%
42.0%	7,693	7,500	-193	-2.5%
43.2%	7,567	7,445	-122	-1.5%
44.4%	7,460	7,438	-22	-0.3%
45.7%	7,366	7,303	-63	-0.8%
46.9%	7,334	7,000	-334	-4.6%
48.1%	7,155	6,975	-180	-2.5%
49.4%	7,143	6,968	-175	-2.4%
50.6%	7,058	6,818	-240	-3.4%
51.9%	7,029	6,557	-472	-6.7%
53.1%	6,897	6,476	-421	-6.1%
54.3%	6,874	6,400	-474	-6.9%
55.6%	6,858	6,397	-461	-6.7%
56.8%	6,779	6,390	-389	-5.7%
58.0%	6,710	6,378	-332	-4.9%
59.3%	6,696	6,361	-335	-5.0%
60.5%	6,664	6,246	-418	-6.3%
61.7%	6,639	6,224	-415	-6.3%
63.0%	6,532	6,180	-352	-5.4%
64.2%	6,524	6,178	-346	-5.3%
65.4%	6,505	6,069	-436	-6.7%
66.7%	6,392	6,021	-371	-5.8%
67.9%	6,314	5,962	-352	-5.6%
69.1%	6,308	5,809	-499	-7.9%
70.4%	6,165	5,695	-470	-7.6%
71.6%	6,133	5,644	-489	-8.0%
72.8%	6,027	5,627	-400	-6.6%
74.1%	6,020	5,622	-398	-6.6%
75.3%	5,971	5,613	-358	-6.0%
76.5%	5,968	5,405	-563	-9.4%
77.8%	5,845	5,302	-543	-9.3%
79.0%	5,750	5,177	-573	-10.0%
80.2%	5,736	5,148	-588	-

Table SW-13-3b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,238	23,863	625	2.7%
1.2%	15,164	15,816	652	4.3%
2.5%	12,310	13,588	1,279	10.4%
3.7%	12,186	13,440	1,253	10.3%
4.9%	11,855	12,726	871	7.3%
6.2%	11,585	11,861	276	2.6%
7.4%	11,085	11,085	569	5.1%
8.6%	11,039	11,556	517	4.7%
9.9%	10,316	11,335	1,019	9.9%
11.1%	10,131	11,099	968	9.6%
12.3%	9,854	10,977	1,123	11.4%
13.6%	9,691	10,709	1,018	10.5%
14.8%	9,631	10,624	993	10.3%
16.0%	9,611	10,452	841	8.8%
17.3%	9,443	10,444	1,001	10.6%
18.5%	9,315	10,329	1,014	10.9%
19.8%	9,305	10,201	896	9.6%
21.0%	9,256	10,141	885	9.6%
22.2%	9,236	10,061	825	8.9%
23.5%	9,193	10,013	820	8.9%
24.7%	9,141	9,962	821	9.0%
25.9%	9,119	9,821	703	7.7%
27.2%	9,036	9,783	746	8.3%
28.4%	8,985	9,652	667	7.4%
29.6%	8,978	9,619	641	7.1%
30.9%	8,938	9,549	611	6.8%
32.1%	8,921	9,500	608	6.8%
33.3%	8,823	9,435	612	6.9%
34.6%	8,806	9,379	573	6.5%
35.8%	8,743	9,280	537	6.1%
37.0%	8,706	9,275	569	6.5%
38.3%	8,684	9,272	588	6.8%
39.5%	8,555	9,219	664	7.8%
40.7%	8,504	9,188	685	8.1%
42.0%	8,418	9,166	748	8.9%
43.2%	8,378	9,110	732	8.7%
44.4%	8,375	9,051	706	8.4%
45.7%	8,329	9,070	741	8.9%
46.9%	8,232	9,021	789	9.6%
48.1%	8,201	9,020	818	10.0%
49.4%	8,192	9,019	827	10.1%
50.6%	8,167	8,963	796	9.7%
51.9%	8,162	8,962	800	9.8%
53.1%	8,129	8,914	785	9.7%
54.3%	8,090	8,913	824	10.2%
55.6%	8,087	8,842	755	9.3%
56.8%	8,067	8,812	745	9.2%
58.0%	8,067	8,780	713	8.8%
59.3%	8,040	8,769	729	9.1%
60.5%	8,031	8,738	708	8.8%
61.7%	8,027	8,692	665	8.3%
63.0%	8,004	8,640	636	7.9%
64.2%	7,923	8,564	641	8.1%
65.4%	7,864	8,562	698	8.9%
66.7%	7,848	8,556	708	9.0%
67.9%	7,840	8,539	698	8.9%
69.1%	7,829	8,422	594	7.6%
70.4%	7,759	8,413	654	8.4%
71.6%	7,740	8,413	673	8.7%
72.8%	7,670	8,402	732	9.5%
74.1%	7,581	8,331	750	9.9%
75.3%	7,421	8,322	901	12.1%
76.5%	7,395	8,304	908	12.3%
77.8%	7,329	8,243	914	12.5%
79.0%	7,304	8,226	922	12.6%
80.2%	7,265	8,209	944	13.0%
81.5%	7,251	8,103	842	11.6%
82.7%	7,235	8,037	802	11.1%
84.0%	7,223	7,998	774	10.7%
85.2%	7,186	7,973	787	10.9%
86.4%	7,185	7,863	677	9.4%
87.7%	7,118	7,833	713	10.3%
88.9%	7,090	7,831	742	10.5%
90.1%	7,067	7,797	730	10.3%
91.4%	6,982	7,631	649	9.3%
92.6%	6,939	7,555	617	8.9%
93.8%	6,935	7,545	610	8.8%
95.1%	6,879	7,433	554	8.1%
96.3%	6,608	7,253	646	9.8%
97.5%	6,022	7,133	1,110	18.4%
98.8%	5,932	7,035	1,103	18.6%
100.0%	5,783	6,018	235	4.1%

Percent Exceedance Probability	July			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,440	14,651	1,211	9.0%
1.2%	13,360	14,637	1,276	9.6%
2.5%	12,902	14,205	1,303	10.1%
3.7%	12,551	14,129	1,578	12.6%
4.9%	12,194	14,099	1,905	15.6%
6.2%	11,959	13,991	2,032	17.0%
7.4%	11,917	13,725	1,808	15.2%
8.6%	11,821	13,657	1,836	15.5%
9.9%	11,811	13,656	1,844	15.6%
11.1%	11,760	13,516	1,756	14.9%
12.3%	11,714	13,468	1,754	15.0%
13.6%	11,688	13,383	1,695	14.5%
14.8%	11,680	13,375	1,695	14.5%
16.0%	11,624	13,371	1,747	15.0%
17.3%	11,565	13,278	1,713	14.8%
18.5%	11,526	13,231	1,705	14.8%
19.8%	11,421	13,223	1,802	15.8%
21.0%	11,377	13,222	1,845	16.2%
22.2%	11,367	13,094	1,727	15.2%
23.5%	11,230	13,026	1,796	16.0%
24.7%	11,220	12,896	1,677	14.9%
25.9%	11,215	12,604	1,389	12.4%
27.2%	11,141	12,404	1,263	11.3%
28.4%	11,096	12,365	1,269	11.4%
29.6%	11,079	12,286	1,207	10.9%
30.9%	11,012	12,284	1,272	11.6%
32.1%	10,976	12,220	1,244	11.3%
33.3%	10,956	12,175	1,220	11.1%
34.6%	10,954	12,081	1,127	10.3%
35.8%	10,935	11,813	878	8.0%
37.0%	10,904	11,761	858	7.9%
38.3%	10,837	11,685	848	7.8%
39.5%	10,730	11,662	931	8.7%
40.7%	10,676	11,580	904	8.5%
42.0%	10,482	11,547	1,065	10.2%
43.2%	10,464	11,418	954	9.1%
44.4%	10,405	11,351	946	9.1%
45.7%	10,228	11,244	1,017	9.9%
46.9%	10,223	11,086	863	8.4%
48.1%	10,220	11,034	813	8.0%
49.4%	9,816	10,990	1,174	12.0%
50.6%	9,803	10,870	1,067	10.9%
51.9%	9,551	10,844	1,293	13.5%
53.1%	9,518	10,820	1,303	13.7%
54.3%	9,509	10,777	1,268	13.3%
55.6%	9,507	10,760	1,253	13.2%
56.8%	9,494	10,752	1,258	13.3%
58.0%	9,397	10,721	1,324	14.1%
59.3%	9,243	10,697	1,455	15.7%
60.5%	9,205	10,571	1,366	14.8%
61.7%	9,155	10,525	1,369	15.0%
63.0%	9,154	10,515	1,361	14.9%
64.2%	9,054	10,489	1,435	15.8%
65.4%	9,038	10,411	1,374	15.2%
66.7%	9,037	10,373	1,336	14.8%
67.9%	9,014	10,310	1,296	14.4%
69.1%	8,987	10,172	1,185	13.2%
70.4%	8,923	10,164	1,241	13.9%
71.6%	8,778	10,151	1,373	15.6%
72.8%	8,715	10,058	1,343	15.4%
74.1%	8,696	9,910	1,114	12.8%
75.3%	8,688	9,784	1,097	12.6%
76.5%	8,621	9,634	1,013	11.7%
77.8%	8,618	9,594	976	11.3%
79.0%	8,559	9,569	1,009	11.8%
80.2%	8,520	9,498	978	11.5%
81.5%	8,484	9,384	900	10.6%
82.7%	8,484	9,298	813	9.6%
84.0%	8,291	9,268	977	11.8%
85.2%	8,283	9,256	974	11.8%
86.4%	8,233	8,974	742	9.0%
87.7%	8,087	8,670	583	7.2%
88.9%	7,842	8,519	677	8.8%
90.1%	7,754	8,683	928	12.0%
91.4%	7,668	8,566	898	11.7%
92.6%	7,599	8,391	793	10.4%
93.8%	7,567	8,236	669	8.9%
95.1%	7,554	8,227	673	8.9%
96.3%	7,553	8,153	600	7.9%
97.5%	7,406	8,064	659	8.9%
98.8%	7,215	7,813	598	8.3%
100.0%	5,783	7,761	1,944	21.0%

Percent Exceedance Probability	August			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,725	11,661	-63	-0.5%
1.2%	11,660	11,598	-62	-0.5%
2.5%	11,581	11,026	-555	-4.8%
3.7%	11,021	10,656	-365	-3.3%
4.9%	11,011	10,582	-429	-3.9%
6.2%	10,576	10,574	-2	0.0%
7.4%	10,430	10,500	65	0.6%
8.6%	10,283	10,432	349	3.5%
9.9%	10,008	10,277	269	2.7%
11.1%	10,001	9,596	-406	-4.1%
12.3%	9,571	9,492	-79	-0.8%
13.6%	9,467	9,463	-4	-0.2%
14.8%	9,481	9,293	-188	-2.0%
16.0%	9,453	9,251	-202	-2.1%
17.3%	9,423	9,232	-191	-2.0%
18.5%	9,278	8,890	-388	-4.2%
19.8%	9,207	8,877	-330	-3.6%
21.0%	9,130	8,862	-268	-2.9%
22.2%	9,031	8,848	-183	-2.0%
23.5%	8,735	8,532	-204	-2.3%
24.7%	8,723	8,523	-200	-2.3%
25.9%	8,636	8,265	-371	-4.3%
27.2%	8,613	8,242	-371	-4.3%
28.4%	8,595	8,241	-354	-4.1%
29.6%	8,419	8,239	-180	-2.1%
30.9%	8,297	8,185	-112	-1.4%
32.1%	8,254	8,137	-117	-1.4%
33.3%	8,234	8,130	-100	-1.2%
34.6%	8,167	8,129	-37	-0.5%
35.8%	8,136	8,107	-29	-0.4%
37.0%	8,130	8,086	-44	-0.5%
38.3%	8,124	8,082	-42	-0.5%
39.5%	8,042	8,075	34	0.4%
40.7%	8,038	7,988	-50	-0.6%
42.0%	7,990	7,948	-42	-0.5%
43.2%	7,922	7,881	-40	-0.5%
44.4%	7,906	7,829	-77	-1.0%
45.7%	7,905	7,784	-121	-1.5%
46.9%	7,900	7,774	-126	-1.6%
48.1%	7,828	7,738	-90	-1.2%
49.4%	7,828	7,687	-141	-1.8%
50.6%	7,787	7,665	-122	-1.6%
51.9%	7,729	7,655	-74	-1.0%
53.1%	7,686	7,581	-106	-1.4%
54.3%	7,682	7,549	-133	-1.7%
55.6%	7,592	7,460	-132	-1.7%
56.8%	7,592	7,411	-181	-2.4%
58.0%	7,555	7,373	-182	-2.4%
59.3%	7,527	7,362	-165	-2.2%
60.5%	7,517	7,342	-175	-2.3%
61.7%	7,501	7,319	-181	-2.4%
63.0%	7,458	7,307	-151	-2.0%
64.2%	7,435	7,304	-130	-1.8%
65.4%	7,416	7,296	-120	-1.6%
66.7%	7,377	7,268	-109	-1.5%
67.9%	7,345	7,235	-109	-1.5%
69.1%	7,341	7,206	-134	-1.8%
70.4%	7,295	7,162	-133	-1.8%
71.6%	7,188	7,155	-33	-0.5%
72.8%	7,173	7,103	-70	-1.0%
74.1%	7,158	7,075	-84	-1.2%
75.3%	7,135	7,017	-118	-1.7%
76.5%	7,118	6,982	-136	-1.9%
77.8%	7,087	6,950	-137	-1.9%
79.0%	6,930	6,901	-28	-0.4%
80.2%	6,913	6,895	-18	-0.3%
81.5%	6,852	6,892	41	0.6%
82.7%	6,809	6,778	-30	-0.4%
8				

Table SW-14-3a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	6,234	8,862	14,547	21,245	25,498	19,959	11,661	8,385	7,862	8,770	7,277	8,066
Alternative A	7,157	9,542	14,058	19,582	23,946	18,313	11,399	8,441	8,237	10,314	7,988	8,915
Difference	923	680	-489	-1,664	-1,552	-1,646	-262	56	374	1,544	711	849
Percent Difference ³	14.8%	7.7%	-3.4%	-7.8%	-6.1%	-8.2%	-2.2%	0.7%	4.8%	17.6%	9.8%	10.5%
Water Year Types²												
Wet (32%)												
No Action Alternative	7,414	11,413	15,337	38,456	42,977	33,038	19,238	12,191	8,789	8,608	7,521	12,512
Alternative A	8,832	11,986	14,620	36,790	41,653	32,349	19,094	12,227	9,232	9,936	7,690	13,452
Difference	1,418	573	-718	-1,667	-1,324	-688	-144	36	443	1,328	169	940
Percent Difference	19.1%	5.0%	-4.7%	-4.3%	-3.1%	-2.1%	-0.7%	0.3%	5.0%	15.4%	2.2%	7.5%
Above Normal (15%)												
No Action Alternative	6,212	11,019	14,836	24,491	32,399	23,921	11,972	8,904	7,864	9,087	7,132	8,159
Alternative A	7,020	11,947	14,157	21,249	30,076	21,693	11,485	8,749	8,010	11,279	7,600	8,641
Difference	808	929	-679	-3,242	-2,323	-2,227	-487	-155	146	2,192	468	481
Percent Difference	13.0%	8.4%	-4.6%	-13.2%	-7.2%	-9.3%	-4.1%	-1.7%	1.9%	24.1%	6.6%	5.9%
Below Normal (17%)												
No Action Alternative	5,761	8,082	16,579	12,964	17,158	12,172	8,782	6,787	7,244	8,240	6,717	5,287
Alternative A	6,969	8,946	16,155	10,610	15,510	9,819	8,232	6,551	7,539	10,712	7,419	6,172
Difference	1,207	864	-424	-2,354	-1,647	-2,353	-549	-235	295	2,472	702	894
Percent Difference	21.0%	10.7%	-2.6%	-18.2%	-9.6%	-19.3%	-6.3%	-3.5%	4.1%	30.0%	10.4%	16.7%
Dry (22%)												
No Action Alternative	5,620	6,869	16,082	9,443	13,412	12,190	6,698	5,860	7,336	9,060	7,454	5,603
Alternative A	5,983	7,667	16,033	8,617	11,746	9,670	6,419	6,214	7,870	10,510	8,515	6,455
Difference	363	798	-50	-826	-1,666	-2,521	-279	354	534	1,450	1,060	852
Percent Difference	6.5%	11.6%	-0.3%	-8.7%	-12.4%	-20.7%	-4.2%	6.0%	7.3%	16.0%	14.2%	15.2%
Critical (15%)												
No Action Alternative	5,171	5,078	7,875	8,072	8,584	8,396	5,736	5,274	7,363	8,990	7,279	5,274
Alternative A	5,647	5,351	7,337	7,543	7,595	7,397	5,805	5,478	7,671	9,413	8,897	6,250
Difference	476	272	-539	-529	-989	-1,000	69	204	308	423	1,618	976
Percent Difference	9.2%	5.4%	-6.8%	-6.6%	-11.5%	-11.9%	1.2%	3.9%	4.2%	4.7%	22.2%	18.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

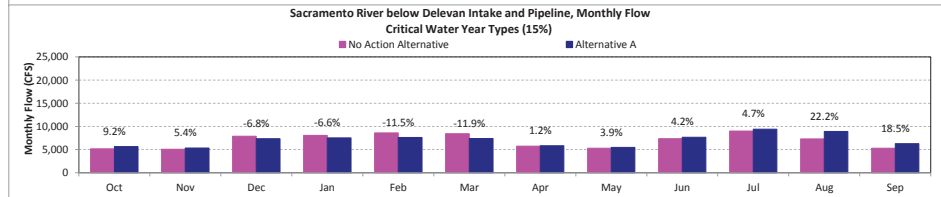
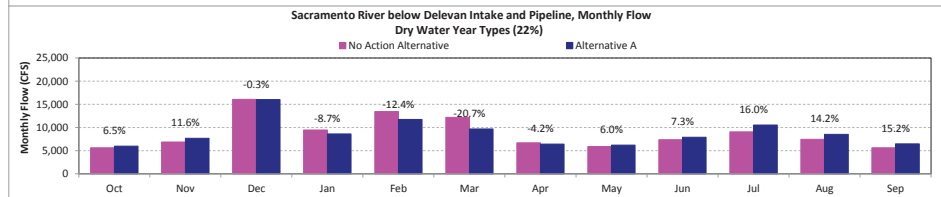
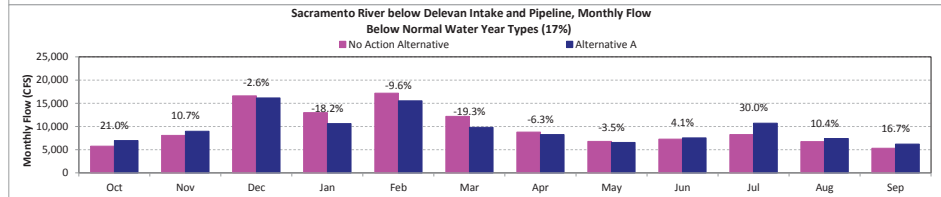
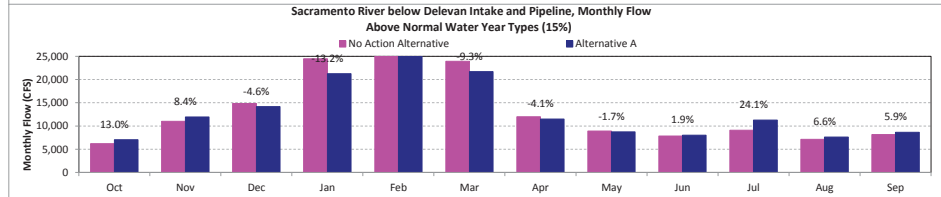
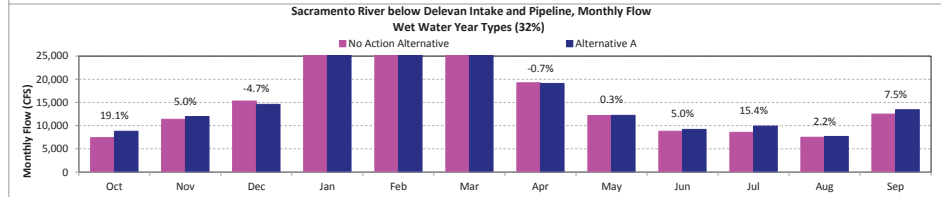
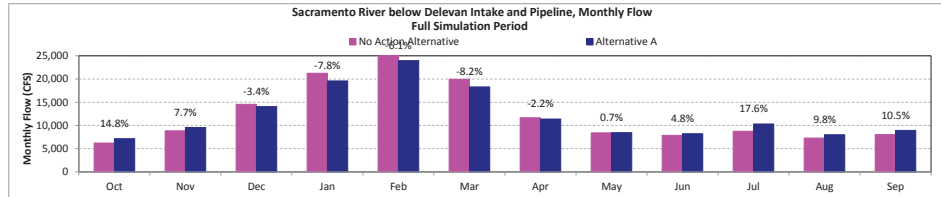


Figure SW-14-3b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

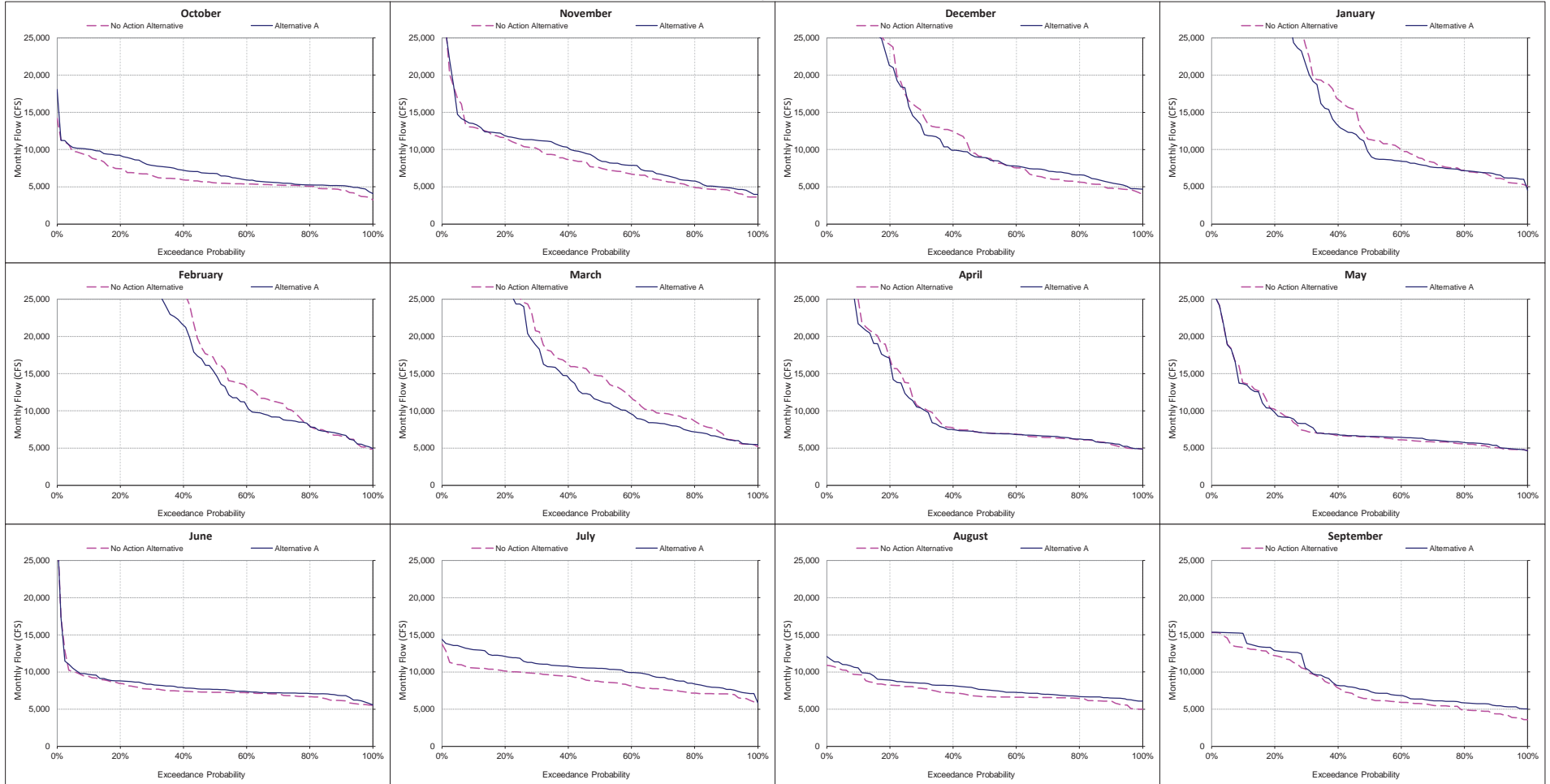


Table SW-14-3b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,202	16,090	3,888	27.4%
1.2%	11,251	11,251	0	-0.0%
2.5%	11,029	11,195	166	1.5%
3.7%	10,674	10,632	-43	-0.4%
4.9%	9,728	10,301	572	5.9%
6.2%	9,703	10,176	473	4.9%
7.4%	9,515	10,166	651	6.8%
8.6%	9,336	10,128	792	8.5%
9.9%	9,236	10,049	812	8.8%
11.1%	8,839	9,992	1,153	13.0%
12.3%	8,677	9,833	1,156	13.3%
13.6%	8,614	9,809	1,195	13.9%
14.8%	8,331	9,450	1,119	13.4%
16.0%	7,832	9,405	1,573	20.1%
17.3%	7,676	9,359	1,683	21.9%
18.5%	7,475	9,249	1,775	23.7%
19.8%	7,420	9,238	1,818	24.5%
21.0%	7,420	9,042	1,623	21.9%
22.2%	6,924	8,943	2,019	29.2%
23.5%	6,913	8,860	1,947	28.2%
24.7%	6,873	8,605	1,732	25.2%
25.9%	6,783	8,507	1,804	26.6%
27.2%	6,740	8,275	1,535	22.8%
28.4%	6,721	8,018	1,297	19.3%
29.6%	6,589	7,913	1,325	20.1%
30.9%	6,382	7,821	1,439	22.5%
32.1%	6,216	7,744	1,528	24.6%
33.3%	6,178	7,715	1,537	24.9%
34.6%	6,154	7,634	1,480	24.1%
35.8%	6,144	7,623	1,479	24.1%
37.0%	6,118	7,515	1,397	22.8%
38.3%	6,106	7,343	1,237	20.3%
39.5%	5,972	7,251	1,279	21.4%
40.7%	5,908	7,167	1,259	21.3%
42.0%	5,885	7,074	1,189	20.2%
43.2%	5,810	7,047	1,237	21.3%
44.4%	5,805	7,043	1,238	21.3%
45.7%	5,687	6,887	1,200	21.1%
46.9%	5,648	6,827	1,178	20.9%
48.1%	5,646	6,819	1,173	20.8%
49.4%	5,541	6,799	1,258	22.7%
50.6%	5,526	6,778	1,252	22.7%
51.9%	5,494	6,474	980	17.8%
53.1%	5,474	6,463	988	18.1%
54.3%	5,458	6,386	928	17.0%
55.6%	5,407	6,223	816	15.1%
56.8%	5,404	6,194	791	14.6%
58.0%	5,395	6,052	657	12.2%
59.3%	5,374	5,964	590	11.0%
60.5%	5,373	5,904	532	9.9%
61.7%	5,360	5,898	538	10.0%
63.0%	5,336	5,761	425	8.0%
64.2%	5,322	5,728	406	7.6%
65.4%	5,314	5,649	335	6.3%
66.7%	5,291	5,640	349	6.6%
67.9%	5,273	5,613	340	6.5%
69.1%	5,237	5,562	325	6.2%
70.4%	5,236	5,543	307	5.9%
71.6%	5,211	5,486	276	5.3%
72.8%	5,204	5,476	272	5.2%
74.1%	5,202	5,438	236	4.5%
75.3%	5,185	5,336	151	2.9%
76.5%	5,160	5,302	142	2.8%
77.8%	5,109	5,283	174	3.4%
79.0%	5,084	5,259	175	3.4%
80.2%	5,055	5,238	183	3.6%
81.5%	5,042	5,236	193	3.8%
82.7%	4,795	5,227	432	9.0%
84.0%	4,755	5,227	472	9.9%
85.2%	4,731	5,185	453	9.6%
86.4%	4,713	5,177	464	9.9%
87.7%	4,708	5,168	459	9.8%
88.9%	4,676	5,159	483	10.3%
90.1%	4,552	5,159	607	13.3%
91.4%	4,517	5,130	613	13.6%
92.6%	4,210	5,020	810	19.2%
93.8%	4,186	4,932	746	17.8%
95.1%	3,897	4,926	1,028	26.4%
96.3%	3,710	4,766	1,056	28.5%
97.5%	3,673	4,726	1,053	28.7%
98.8%	3,581	4,334	753	21.0%
100.0%	3,225	4,080	855	26.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,314	37,787	-4,527	-10.7%
1.2%	28,322	25,794	-2,528	-8.9%
2.5%	20,070	21,967	1,896	9.4%
3.7%	18,483	18,643	160	0.9%
4.9%	16,842	14,731	-2,111	-12.5%
6.2%	16,132	14,179	-1,953	-12.1%
7.4%	13,510	13,011	-381	-2.8%
8.6%	13,060	13,564	494	3.8%
9.9%	13,002	13,508	505	3.9%
11.1%	12,862	13,308	445	3.5%
12.3%	12,655	12,939	284	2.2%
13.6%	12,525	12,398	-127	-1.0%
14.8%	12,349	12,371	22	0.2%
16.0%	11,895	12,305	410	3.4%
17.3%	11,871	12,236	366	3.1%
18.5%	11,664	12,210	546	4.7%
19.8%	11,635	11,916	281	2.4%
21.0%	11,341	11,718	377	3.3%
22.2%	11,075	11,671	596	5.4%
23.5%	10,860	11,539	679	6.3%
24.7%	10,692	11,409	717	6.7%
25.9%	10,383	11,368	985	9.5%
27.2%	10,333	11,355	1,022	9.9%
28.4%	10,259	11,353	1,094	10.7%
29.6%	10,215	11,287	1,072	10.5%
30.9%	9,988	11,211	1,223	12.2%
32.1%	9,537	11,179	1,641	17.2%
33.3%	9,365	11,134	1,769	18.9%
34.6%	9,357	11,061	1,704	18.2%
35.8%	9,291	10,787	1,496	16.1%
37.0%	8,911	10,587	1,676	18.8%
38.3%	8,888	10,468	1,579	17.6%
39.5%	8,703	10,315	1,612	18.5%
40.7%	8,640	9,994	1,353	15.7%
42.0%	8,509	9,848	1,339	15.7%
43.2%	8,409	9,790	1,381	16.4%
44.4%	8,407	9,624	1,217	14.5%
45.7%	8,350	9,452	1,102	13.2%
46.9%	7,709	9,357	1,647	21.4%
48.1%	7,647	9,054	1,407	18.4%
49.4%	7,641	8,647	1,006	13.2%
50.6%	7,477	8,429	952	12.7%
51.9%	7,344	8,368	1,025	14.0%
53.1%	7,187	8,189	1,002	13.9%
54.3%	7,144	8,185	1,041	14.6%
55.6%	7,085	8,165	1,081	15.3%
56.8%	7,046	7,991	945	13.4%
58.0%	6,876	7,917	1,041	15.1%
59.3%	6,758	7,900	1,142	16.9%
60.5%	6,682	7,898	1,216	18.2%
61.7%	6,625	7,859	1,234	18.6%
63.0%	6,571	7,314	744	11.3%
64.2%	6,558	7,163	606	9.2%
65.4%	6,232	7,130	899	14.4%
66.7%	6,075	7,077	1,002	16.5%
67.9%	6,004	6,783	779	13.0%
69.1%	5,907	6,716	810	13.7%
70.4%	5,791	6,567	776	13.4%
71.6%	5,656	6,472	816	14.4%
72.8%	5,607	6,312	705	12.6%
74.1%	5,564	6,180	616	11.1%
75.3%	5,444	5,972	528	9.7%
76.5%	5,376	5,911	535	9.9%
77.8%	5,162	5,882	720	14.0%
79.0%	5,030	5,801	771	15.3%
80.2%	4,870	5,772	902	18.5%
81.5%	4,858	5,569	712	14.6%
82.7%	4,725	5,280	555	11.7%
84.0%	4,697	5,111	414	8.8%
85.2%	4,667	5,110	443	9.5%
86.4%	4,655	5,057	402	8.6%
87.7%	4,649	5,004	355	7.6%
88.9%	4,629	4,940	311	6.7%
90.1%	4,616	4,882	265	5.7%
91.4%	4,461	4,852	391	8.8%
92.6%	4,308	4,753	445	10.3%
93.8%	4,082	4,659	576	14.1%
95.1%	4,003	4,655	651	16.3%
96.3%	3,674	4,540	866	23.6%
97.5%	3,640	4,244	603	16.6%
98.8%	3,631	3,993	362	10.0%
100.0%	3,225	3,976	751	9.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,762	61,626	-136	-0.2%
1.2%	52,865	52,794	-71	-0.1%
2.5%	43,545	42,612	-933	-2.1%
3.7%	43,093	42,609	-484	-1.1%
4.9%	41,211	39,693	-1,517	-3.7%
6.2%	39,983	38,933	-1,050	-2.6%
7.4%	39,150	32,741	-6,409	-16.4%
8.6%	36,633	32,228	-4,404	-12.0%
9.9%	31,832	30,455	-1,377	-4.3%
11.1%	30,640	28,835	-1,805	-5.9%
12.3%	30,000	28,582	-1,418	-4.7%
13.6%	29,163	27,010	-2,153	-7.4%
14.8%	28,219	26,161	-2,058	-7.3%
16.0%	27,201	25,308	-1,893	-7.0%
17.3%	25,261	24,937	-323	-1.3%
18.5%	24,488	23,088	-1,400	-5.7%
19.8%	24,185	21,342	-2,842	-11.8%
21.0%	23,752	21,004	-2,748	-11.6%
22.2%	19,912	19,249	-663	-3.3%
23.5%	19,097	18,430	-666	-3.5%
24.7%	17,569	18,310	741	4.2%
25.9%	16,568	15,760	-808	-4.9%
27.2%	16,154	14,542	-1,611	-10.0%
28.4%	15,742	13,982	-1,760	-11.2%
29.6%	15,402	13,397	-2,005	-13.0%
30.9%	14,309	12,015	-2,294	-16.0%
32.1%	13,417	11,873	-1,544	-11.5%
33.3%	13,111	11,837	-1,274	-9.7%
34.6%	13,031	11,745	-1,286	-9.9%
35.8%	12,995	11,404	-1,591	-12.2%
37.0%	12,702	10,382	-2,320	-18.3%
38.3%	12,689	10,351	-2,338	-18.4%
39.5%	12,528	9,912	-2,615	-20.9%
40.7%	12,269	9,906	-2,364	-19.3%
42.0%	11,992	9,834	-2,159	-18.0%
43.2%	11,786	9,749	-2,037	-17.1%
44.4%	11,624	9,715	-1,911	-16.4%
45.7%	9,541	9,278	-263	-2.8%
46.9%	9,527	9,042	-485	-5.1%
48.1%	9,108	8,955	-154	-1.7%
49.4%	9,082	8,943	-139	-1.5%
50.6%	8,846	8,916	70	0.8%
51.9%	8,780	8,563	-217	-2.5%
53.1%	8,313	8,533	220	2.6%
54.3%	8,179	8,488	309	3.8%
55.6%	8,139	8,170	30	0.4%
56.8%	7,877	7,917	41	0.5%
58.0%	7,828	7,813	-16	-0.2%
59.3%	7,562	7,787	225	3.0%
60.5%	7,541	7,783	242	3.2%
61.7%	7,532	7,664	132	1.8%
63.0%	7,269	7,548	278	3.9%
64.2%	6,702	7,419	717	10.7%
65.4%	6,520	7,406	886	13.6%
66.7%	6,426	7,384	958	14.9%
67.9%	6,344	7,361	1,017	16.0%
69.1%	6,190	7,250	1,060	17.1%
70.4%	6,094	7,097	1,007	16.5%
71.6%	6,003	7,049	1,046	17.4%
72.8%	5,999	6,994	995	16.6%
74.1%	5,998	6,989	990	16.5%
75.3%	5,792	6,873	1,081	18.7%
76.5%	5,763	6,810	1,047	18.2%
77.8%	5,749	6,643	894	15.5%
79.0%	5,671	6,608	936	16.5%
80.2%	5,606	6,		

Table SW-14-3b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,791	91,788	-3	0.0%
1.2%	91,357	91,357	0	0.0%
2.5%	79,870	80,792	922	1.2%
3.7%	72,402	72,398	-4	0.0%
4.9%	66,866	66,988	-878	-1.3%
6.2%	65,508	65,515	7	0.0%
7.4%	65,491	64,748	-743	-1.1%
8.6%	61,080	59,881	-1,199	-2.0%
9.9%	60,171	59,414	-757	-1.3%
11.1%	59,907	59,103	-804	-1.3%
12.3%	57,699	55,061	-2,638	-4.6%
13.6%	53,906	50,978	-2,928	-5.4%
14.8%	50,976	49,710	-1,265	-2.5%
16.0%	43,038	43,054	16	0.0%
17.3%	40,663	39,842	-822	-2.0%
18.5%	40,060	37,209	-2,851	-7.1%
19.8%	39,930	35,632	-4,298	-10.8%
21.0%	39,723	35,629	-4,095	-10.3%
22.2%	37,879	35,523	-2,356	-6.2%
23.5%	37,675	34,865	-2,810	-7.5%
24.7%	33,030	30,649	-2,381	-7.2%
25.9%	30,646	30,353	-292	-1.0%
27.2%	30,372	30,000	-372	-1.2%
28.4%	30,356	27,630	-2,726	-9.0%
29.6%	29,908	27,299	-2,609	-8.7%
30.9%	29,558	26,704	-2,855	-9.7%
32.1%	29,343	26,325	-3,018	-10.3%
33.3%	28,088	24,940	-3,148	-11.2%
34.6%	26,803	23,989	-2,814	-10.5%
35.8%	26,357	22,976	-3,381	-12.8%
37.0%	26,267	22,684	-3,583	-13.6%
38.3%	26,169	22,317	-3,852	-14.7%
39.5%	25,280	21,706	-4,184	-16.2%
40.7%	25,463	21,223	-4,240	-16.7%
42.0%	24,211	19,843	-4,368	-18.0%
43.2%	21,847	17,897	-3,950	-18.1%
44.4%	19,740	17,349	-2,391	-12.1%
45.7%	18,556	16,987	-1,569	-8.5%
46.9%	17,701	16,128	-1,573	-8.9%
48.1%	17,490	16,079	-1,412	-8.1%
49.4%	17,233	15,398	-1,835	-10.6%
50.6%	16,255	14,605	-1,650	-10.2%
51.9%	16,132	13,562	-2,570	-15.9%
53.1%	15,562	13,274	-2,288	-14.7%
54.3%	14,077	12,152	-1,924	-13.7%
55.6%	13,956	11,774	-2,182	-15.6%
56.8%	13,799	11,753	-2,046	-14.8%
58.0%	13,675	11,227	-2,448	-17.9%
59.3%	13,528	11,195	-2,333	-17.2%
60.5%	12,864	10,255	-2,609	-20.3%
61.7%	12,760	9,857	-2,903	-22.7%
63.0%	12,880	9,762	-3,118	-24.2%
64.2%	11,696	9,733	-1,963	-16.8%
65.4%	11,676	9,553	-2,122	-18.2%
66.7%	11,537	9,413	-2,125	-18.4%
67.9%	11,516	9,174	-2,341	-18.9%
69.1%	11,251	9,172	-2,079	-18.5%
70.4%	11,086	9,150	-1,936	-17.5%
71.6%	10,949	8,796	-2,153	-19.7%
72.8%	10,251	8,727	-1,524	-14.9%
74.1%	10,117	8,703	-1,414	-14.0%
75.3%	9,745	8,622	-1,123	-11.5%
76.5%	9,194	8,487	-707	-7.7%
77.8%	8,657	8,466	-191	-2.2%
79.0%	8,307	8,340	33	0.4%
80.2%	7,832	7,824	-8	-0.1%
81.5%	7,598	7,782	184	2.4%
82.7%	7,509	7,384	-125	-1.7%
84.0%	7,465	7,288	-178	-2.4%
85.2%	7,226	7,218	-7	-0.1%
86.4%	6,873	7,146	273	4.0%
87.7%	6,723	7,084	371	5.5%
88.9%	6,717	6,964	247	3.7%
90.1%	6,595	6,813	217	3.3%
91.4%	6,576	6,697	121	1.8%
92.6%	6,213	6,169	-44	-0.7%
93.8%	6,172	6,060	-112	-1.8%
95.1%	5,535	5,536	1	0.0%
96.3%	5,155	5,526	371	7.2%
97.5%	5,134	5,295	161	3.1%
98.8%	4,871	5,158	287	5.9%
100.0%	4,864	4,932	68	1.4%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	86,753	0	0.0%
1.2%	80,857	77,404	-3,453	-4.3%
2.5%	72,387	72,391	4	0.0%
3.7%	62,138	62,127	-11	0.0%
4.9%	51,292	51,257	-35	-0.1%
6.2%	51,258	47,859	-3,399	-6.6%
7.4%	50,574	45,223	-5,350	-10.6%
8.6%	43,894	42,178	-1,716	-3.9%
9.9%	42,181	39,581	-2,600	-6.2%
11.1%	39,592	37,970	-1,622	-4.1%
12.3%	39,103	33,189	-5,914	-15.1%
13.6%	32,695	32,033	-662	-2.0%
14.8%	30,218	29,413	-805	-2.7%
16.0%	29,208	29,211	2	0.0%
17.3%	28,908	27,571	-1,337	-4.6%
18.5%	27,569	27,423	-146	-0.5%
19.8%	27,422	26,834	-588	-2.1%
21.0%	26,585	26,549	-35	-0.1%
22.2%	26,250	25,407	-843	-3.2%
23.5%	25,410	24,377	-1,032	-4.1%
24.7%	25,167	24,348	-819	-3.3%
25.9%	24,560	24,022	-538	-2.2%
27.2%	24,357	20,397	-3,960	-16.3%
28.4%	23,242	19,570	-3,673	-15.8%
29.6%	20,767	18,872	-1,895	-9.1%
30.9%	20,610	18,280	-2,330	-11.3%
32.1%	18,879	16,254	-2,625	-13.9%
33.3%	18,185	15,944	-2,241	-12.3%
34.6%	18,000	15,925	-2,075	-11.5%
35.8%	17,293	15,839	-1,454	-8.4%
37.0%	17,002	15,358	-1,644	-9.7%
38.3%	16,845	14,770	-2,075	-12.3%
39.5%	16,480	14,716	-1,764	-10.7%
40.7%	15,949	14,115	-1,834	-11.5%
42.0%	15,942	13,671	-2,272	-14.2%
43.2%	15,629	12,692	-3,137	-19.8%
44.4%	15,792	12,918	-2,874	-18.2%
45.7%	15,676	12,306	-3,370	-21.5%
46.9%	15,028	12,196	-2,832	-18.8%
48.1%	14,827	11,618	-3,209	-21.6%
49.4%	14,736	11,450	-3,287	-22.3%
50.6%	14,693	11,238	-3,455	-23.5%
51.9%	14,225	11,076	-3,149	-22.1%
53.1%	13,539	11,021	-2,518	-18.6%
54.3%	13,306	10,639	-2,667	-20.0%
55.6%	13,186	10,413	-2,773	-21.0%
56.8%	12,882	10,111	-2,771	-21.5%
58.0%	12,486	10,074	-2,412	-19.3%
59.3%	12,021	9,723	-2,298	-19.1%
60.5%	11,529	9,456	-2,073	-18.0%
61.7%	11,248	8,976	-2,272	-20.2%
63.0%	10,627	8,981	-1,736	-16.3%
64.2%	10,233	8,723	-1,509	-14.8%
65.4%	10,117	8,422	-1,695	-16.8%
66.7%	10,077	8,420	-1,658	-16.4%
67.9%	9,728	8,367	-1,361	-13.8%
69.1%	9,680	8,293	-1,387	-14.3%
70.4%	9,662	8,285	-1,377	-14.2%
71.6%	9,583	8,150	-1,433	-15.0%
72.8%	9,450	8,002	-1,448	-15.3%
74.1%	9,392	7,969	-1,424	-15.2%
75.3%	9,292	7,810	-1,482	-16.0%
76.5%	8,992	7,520	-1,472	-16.4%
77.8%	8,975	7,371	-1,604	-17.9%
79.0%	8,895	7,218	-1,677	-18.9%
80.2%	8,558	7,153	-1,405	-16.4%
81.5%	8,240	7,071	-1,169	-14.2%
82.7%	8,003	7,011	-992	-12.4%
84.0%	7,821	6,896	-925	-11.8%
85.2%	7,714	6,657	-1,057	-13.7%
86.4%	7,622	6,615	-1,007	-13.2%
87.7%	7,216	6,486	-729	-10.0%
88.9%	6,909	6,329	-579	-8.4%
90.1%	6,138	6,211	73	1.2%
91.4%	6,123	6,063	-60	-1.0%
92.6%	6,017	6,009	-8	-0.1%
93.8%	5,675	5,987	312	5.5%
95.1%	5,547	5,621	73	1.3%
96.3%	5,544	5,535	-9	-0.2%
97.5%	5,473	5,504	32	0.6%
98.8%	5,470	5,468	-2	-0.1%
100.0%	5,171	5,464	294	5.7%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,950	49,940	-10	0.0%
1.2%	44,653	44,645	-8	0.0%
2.5%	43,453	43,454	1	0.0%
3.7%	34,687	34,685	-2	0.0%
4.9%	32,373	32,370	-3	0.0%
6.2%	26,009	26,009	1	0.0%
7.4%	25,493	25,482	-11	-0.1%
8.6%	25,192	25,150	-42	-0.2%
9.9%	25,158	21,697	-3,462	-13.8%
11.1%	21,898	21,268	-630	-2.9%
12.3%	21,270	20,815	-454	-2.1%
13.6%	20,828	20,449	-379	-1.8%
14.8%	20,451	19,052	-1,399	-6.8%
16.0%	20,089	19,029	-1,061	-5.3%
17.3%	19,931	17,637	-2,294	-11.5%
18.5%	18,972	17,311	-1,662	-8.8%
19.8%	17,324	17,118	-207	-1.2%
21.0%	15,704	14,192	-1,512	-9.6%
22.2%	15,660	13,830	-1,830	-11.7%
23.5%	14,992	13,754	-1,238	-8.3%
24.7%	13,832	12,361	-1,471	-10.6%
25.9%	13,763	11,752	-2,011	-14.6%
27.2%	11,907	11,366	-541	-4.5%
28.4%	10,820	10,549	-271	-2.5%
29.6%	10,446	10,395	-52	-0.5%
30.9%	10,344	10,104	-239	-2.3%
32.1%	10,004	9,771	-234	-2.3%
33.3%	9,743	8,423	-1,320	-13.6%
34.6%	9,100	8,233	-867	-9.5%
35.8%	8,547	7,891	-656	-7.7%
37.0%	7,910	7,763	-147	-1.9%
38.3%	7,803	7,500	-303	-3.9%
39.5%	7,764	7,491	-273	-3.5%
40.7%	7,583	7,438	-145	-1.9%
42.0%	7,475	7,339	-137	-1.8%
43.2%	7,447	7,323	-124	-1.7%
44.4%	7,447	7,279	-168	-2.3%
45.7%	7,419	7,254	-165	-2.2%
46.9%	7,187	7,221	34	0.5%
48.1%	7,126	7,108	-18	-0.3%
49.4%	7,105	7,061	-44	-0.6%
50.6%	7,003	7,027	24	0.3%
51.9%	6,976	6,976	0	0.0%
53.1%	6,986	6,958	-28	-0.4%
54.3%	6,976	6,938	-37	-0.5%
55.6%	6,958	6,928	-30	-0.4%
56.8%	6,947	6,922	-25	-0.4%
58.0%	6,929	6,922	-7	-0.1%
59.3%	6,892	6,842	-49	-0.7%
60.5%	6,832	6,819	-13	-0.2%
61.7%	6,812	6,795	-17	-0.2%
63.0%	6,641	6,750	109	1.6%
64.2%	6,541	6,725	185	2.8%
65.4%	6,507	6,723	216	3.3%
66.7%	6,489	6,660	171	2.6%
67.9%	6,441	6,639	198	3.1%
69.1%	6,419	6,633	214	3.3%
70.4%	6,410	6,590	180	2.8%
71.6%	6,407	6,578	171	2.7%
72.8%	6,361	6,546	186	2.9%
74.1%	6,297	6,463	165	2.6%
75.3%	6,288	6,410	122	1.9%
76.5%	6,282	6,400	118	1.9%
77.8%	6,246	6,249	3	0.0%
79.0%	6,144	6,2		

Table SW-14-3b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,799	29,624	-175	-0.6%
1.2%	12,805	12,805	0	0.0%
2.5%	12,805	11,459	-1,345	-10.5%
3.7%	10,241	11,051	811	7.9%
4.9%	10,063	10,510	447	4.4%
6.2%	9,905	10,123	218	2.2%
7.4%	9,854	9,707	-132	-1.4%
8.6%	9,431	9,732	361	3.8%
9.9%	9,425	9,673	248	2.6%
11.1%	9,217	9,624	407	4.4%
12.3%	9,200	9,594	395	4.3%
13.6%	8,993	9,120	127	1.4%
14.8%	8,959	9,118	159	1.8%
16.0%	8,832	8,937	105	1.2%
17.3%	8,663	8,834	171	2.0%
18.5%	8,636	8,808	172	2.0%
19.8%	8,470	8,807	337	4.0%
21.0%	8,405	8,758	353	4.2%
22.2%	8,140	8,744	604	7.4%
23.5%	8,090	8,712	622	7.7%
24.7%	8,007	8,630	623	7.8%
25.9%	7,918	8,626	708	8.9%
27.2%	7,740	8,501	761	9.8%
28.4%	7,718	8,359	642	8.3%
29.6%	7,697	8,344	646	8.4%
30.9%	7,691	8,259	568	7.4%
32.1%	7,674	8,227	553	7.2%
33.3%	7,568	8,198	631	8.3%
34.6%	7,525	8,121	596	7.9%
35.8%	7,471	8,112	641	8.6%
37.0%	7,465	8,074	609	8.2%
38.3%	7,447	8,043	596	8.0%
39.5%	7,412	7,943	531	7.2%
40.7%	7,402	7,845	443	6.0%
42.0%	7,355	7,843	487	6.6%
43.2%	7,342	7,807	465	6.3%
44.4%	7,327	7,713	386	5.3%
45.7%	7,313	7,700	387	5.3%
46.9%	7,299	7,688	389	5.3%
48.1%	7,293	7,682	389	5.3%
49.4%	7,285	7,646	361	5.2%
50.6%	7,282	7,644	362	5.3%
51.9%	7,253	7,624	371	5.1%
53.1%	7,248	7,619	370	5.1%
54.3%	7,238	7,559	321	4.4%
55.6%	7,223	7,483	260	3.6%
56.8%	7,222	7,415	193	2.7%
58.0%	7,221	7,412	191	2.7%
59.3%	7,220	7,409	190	2.6%
60.5%	7,212	7,354	142	2.0%
61.7%	7,179	7,320	141	2.0%
63.0%	7,141	7,301	160	2.2%
64.2%	7,137	7,229	92	1.3%
65.4%	7,128	7,223	95	1.3%
66.7%	7,079	7,213	134	1.9%
67.9%	7,060	7,210	150	2.1%
69.1%	7,047	7,208	162	2.3%
70.4%	7,042	7,206	164	2.3%
71.6%	6,830	7,174	344	5.0%
72.8%	6,826	7,160	335	4.9%
74.1%	6,812	7,155	343	5.0%
75.3%	6,781	7,154	373	5.5%
76.5%	6,707	7,148	441	6.6%
77.8%	6,706	7,137	431	6.4%
79.0%	6,657	7,125	468	7.0%
80.2%	6,655	7,090	435	6.5%
81.5%	6,631	7,076	445	6.7%
82.7%	6,626	7,063	437	6.6%
84.0%	6,508	7,062	554	8.5%
85.2%	6,389	7,048	659	10.3%
86.4%	6,212	6,989	778	12.5%
87.7%	6,189	6,862	764	12.3%
88.9%	6,176	6,863	687	11.1%
90.1%	6,145	6,827	682	11.1%
91.4%	6,113	6,812	699	11.4%
92.6%	5,844	6,592	748	12.8%
93.8%	5,758	6,242	473	8.2%
95.1%	5,695	6,231	535	9.4%
96.3%	5,623	6,113	490	8.7%
97.5%	5,619	5,943	323	5.8%
98.8%	5,561	5,765	204	3.7%
100.0%	5,527	5,576	49	0.9%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,778	14,410	631	4.6%
1.2%	12,871	13,840	969	7.5%
2.5%	11,286	13,686	2,399	21.3%
3.7%	11,129	13,577	2,448	22.0%
4.9%	11,010	13,548	2,539	23.1%
6.2%	10,979	13,390	2,411	22.0%
7.4%	10,750	13,198	2,448	22.8%
8.6%	10,588	13,117	2,529	23.9%
9.9%	10,553	13,010	2,458	23.3%
11.1%	10,498	12,965	2,467	23.5%
12.3%	10,482	12,928	2,446	23.3%
13.6%	10,474	12,875	2,401	22.9%
14.8%	10,384	12,378	1,994	19.2%
16.0%	10,372	12,219	1,848	17.8%
17.3%	10,313	12,219	1,906	18.5%
18.5%	10,231	12,218	1,988	19.4%
19.8%	10,116	12,080	1,964	19.4%
21.0%	10,106	12,031	1,926	19.1%
22.2%	10,030	11,934	1,903	19.0%
23.5%	10,018	11,933	1,914	19.1%
24.7%	9,999	11,847	1,848	18.5%
25.9%	9,868	11,419	1,551	15.7%
27.2%	9,868	11,303	1,435	14.5%
28.4%	9,865	11,287	1,422	14.4%
29.6%	9,812	11,150	1,338	13.6%
30.9%	9,777	11,094	1,317	13.5%
32.1%	9,667	11,047	1,380	14.3%
33.3%	9,633	11,035	1,402	14.6%
34.6%	9,590	10,923	1,333	13.9%
35.8%	9,548	10,856	1,307	13.7%
37.0%	9,516	10,825	1,309	13.8%
38.3%	9,450	10,803	1,352	14.3%
39.5%	9,430	10,790	1,360	14.4%
40.7%	9,424	10,705	1,281	13.6%
42.0%	9,291	10,675	1,384	14.9%
43.2%	9,268	10,607	1,339	14.4%
44.4%	9,105	10,552	1,447	15.9%
45.7%	8,908	10,548	1,639	18.4%
46.9%	8,826	10,538	1,712	19.4%
48.1%	8,766	10,512	1,747	19.9%
49.4%	8,754	10,502	1,748	20.0%
50.6%	8,660	10,487	1,827	21.1%
51.9%	8,611	10,456	1,845	21.4%
53.1%	8,594	10,355	1,761	20.5%
54.3%	8,573	10,337	1,764	20.6%
55.6%	8,525	10,311	1,785	20.9%
56.8%	8,366	10,284	1,918	22.9%
58.0%	8,347	10,043	1,696	20.3%
59.3%	8,174	9,939	1,765	21.6%
60.5%	8,057	9,924	1,867	23.2%
61.7%	7,994	9,908	1,914	23.9%
63.0%	7,854	9,857	2,003	25.5%
64.2%	7,815	9,757	1,942	24.8%
65.4%	7,810	9,638	1,828	23.4%
66.7%	7,746	9,422	1,676	21.6%
67.9%	7,739	9,315	1,576	20.4%
69.1%	7,704	9,274	1,571	20.4%
70.4%	7,613	9,261	1,649	21.7%
71.6%	7,551	9,042	1,491	19.7%
72.8%	7,501	9,004	1,503	20.0%
74.1%	7,497	8,862	1,365	18.2%
75.3%	7,398	8,790	1,392	18.7%
76.5%	7,324	8,763	1,439	19.7%
77.8%	7,262	8,512	1,250	17.2%
79.0%	7,173	8,484	1,310	18.3%
80.2%	7,158	8,352	1,194	16.7%
81.5%	7,105	8,275	1,170	16.5%
82.7%	7,091	8,139	1,048	14.8%
84.0%	7,079	8,054	975	13.8%
85.2%	7,076	7,984	908	12.8%
86.4%	7,073	7,934	861	12.2%
87.7%	7,072	7,914	842	11.9%
88.9%	7,064	7,827	763	10.8%
90.1%	7,061	7,662	601	8.5%
91.4%	7,034	7,662	627	8.9%
92.6%	6,938	7,567	629	9.1%
93.8%	6,527	7,396	869	13.3%
95.1%	6,444	7,248	804	12.5%
96.3%	6,415	7,170	755	11.8%
97.5%	6,197	7,092	895	14.4%
98.8%	5,970	7,088	1,118	18.7%
100.0%	5,566	6,642	257	4.6%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,901	12,102	1,202	11.0%
1.2%	10,816	11,702	887	8.2%
2.5%	10,694	11,362	668	6.3%
3.7%	10,492	11,348	857	8.2%
4.9%	10,258	11,009	751	7.3%
6.2%	10,227	10,974	747	7.3%
7.4%	9,817	10,844	1,027	10.5%
8.6%	9,668	10,641	973	10.1%
9.9%	9,650	10,564	913	9.5%
11.1%	9,614	10,999	285	3.0%
12.3%	8,833	9,874	1,041	11.8%
13.6%	8,656	9,794	1,138	13.1%
14.8%	8,582	9,477	895	10.4%
16.0%	8,395	9,037	642	7.6%
17.3%	8,383	8,981	598	7.1%
18.5%	8,274	8,961	687	8.3%
19.8%	8,245	8,923	678	8.2%
21.0%	8,193	8,860	667	8.1%
22.2%	8,170	8,719	548	6.7%
23.5%	8,158	8,696	538	6.6%
24.7%	8,041	8,652	611	7.6%
25.9%	8,026	8,032	587	7.3%
27.2%	8,017	8,558	541	6.7%
28.4%	7,834	8,537	703	9.0%
29.6%	7,823	8,494	671	8.6%
30.9%	7,764	8,489	724	9.3%
32.1%	7,721	8,439	718	9.3%
33.3%	7,555	8,262	706	9.4%
34.6%	7,438	8,226	788	10.6%
35.8%	7,301	8,201	900	12.3%
37.0%	7,268	8,200	932	12.8%
38.3%	7,241	8,185	944	13.2%
39.5%	7,183	8,169	986	13.7%
40.7%	7,150	8,104	954	13.3%
42.0%	7,118	8,065	948	13.3%
43.2%	7,060	7,991	931	13.2%
44.4%	6,965	7,979	1,013	14.5%
45.7%	6,808	7,926	1,119	16.4%
46.9%	6,794	7,789	995	14.7%
48.1%	6,748	7,652	904	13.4%
49.4%	6,679	7,641	962	14.4%
50.6%	6,607	7,604	997	15.1%
51.9%	6,658	7,534	876	13.2%
53.1%	6,636	7,526	890	13.4%
54.3%	6,626	7,431	805	12.2%
55.6%	6,624	7,369	744	11.2%
56.8%	6,621	7,290	670	10.1%
58.0%	6,619	7,275	656	9.9%
59.3%	6,618	7,275	657	9.9%
60.5%	6,609	7,241	632	9.6%
61.7%	6,608	7,227	619	9.4%
63.0%	6,601	7,185	583	8.8%
64.2%	6,592	7,150	558	8.5%
65.4%	6,579	7,144	565	8.6%
66.7%	6,578	7,139	561	8.5%
67.9%	6,572	7,042	470	7.2%
69.1%	6,562	7,001	439	6.7%
70.4%	6,557	6,985	428	6.5%
71.6%	6,553	6,972	419	6.4%
72.8%	6,524	6,917	393	6.0%
74.1%	6,516	6,840	324	5.0%
75.3%	6,515	6,802	287	4.4%
76.5%	6,507	6,781	274	4.2%
77.8%	6,501	6,780	280	4.3%
79.0%	6,465	6,737	272	4.2%
80.2%	6,431	6,693	262	4.1%
81.5%	6,408	6,662	254	4.0%
82.7%	6,430	6,658	228	3.6%

Table SW-15-3a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	6,013	8,450	11,320	13,710	15,316	14,122	8,709	6,840	5,733	6,695	5,725	7,749
Alternative A	6,935	9,164	11,203	12,910	14,584	12,957	8,562	6,894	6,104	8,230	6,398	8,602
Difference	922	714	-117	-800	-732	-1,165	-148	54	371	1,534	673	854
Percent Difference ³	15.3%	8.4%	-1.0%	-5.8%	-4.8%	-8.3%	-1.7%	0.8%	6.5%	22.9%	11.8%	11.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	7,090	11,141	11,589	19,105	19,831	18,268	13,423	10,357	6,434	6,606	6,034	12,210
Alternative A	8,506	11,702	11,492	18,668	19,485	18,068	13,348	10,403	6,883	7,924	6,172	13,171
Difference	1,416	561	-97	-437	-346	-200	-75	46	449	1,318	138	961
Percent Difference	20.0%	5.0%	-0.8%	-2.3%	-1.7%	-1.1%	-0.6%	0.4%	7.0%	20.0%	2.3%	7.9%
Above Normal (15%)												
No Action Alternative	5,985	9,241	12,327	16,513	19,069	17,632	10,200	7,244	5,842	7,021	5,583	7,854
Alternative A	6,801	10,517	12,047	15,601	18,109	16,685	9,966	7,086	5,990	9,205	5,992	8,354
Difference	816	1,277	-280	-912	-960	-946	-234	-158	149	2,184	408	500
Percent Difference	13.6%	13.8%	-2.3%	-5.5%	-5.0%	-5.4%	-2.3%	-2.2%	2.5%	31.1%	7.3%	6.4%
Below Normal (17%)												
No Action Alternative	5,610	7,976	12,629	12,400	14,370	12,001	7,022	5,430	5,242	6,137	5,154	4,980
Alternative A	6,811	8,825	12,755	10,388	13,557	9,669	6,721	5,179	5,529	8,596	5,786	5,878
Difference	1,202	849	126	-2,012	-813	-2,332	-301	-251	288	2,459	631	898
Percent Difference	21.4%	10.6%	1.0%	-16.2%	-5.7%	-19.4%	-4.3%	-4.6%	5.5%	40.1%	12.3%	18.0%
Dry (22%)												
No Action Alternative	5,461	6,719	11,566	8,850	11,606	11,396	5,268	4,532	5,285	6,932	5,848	5,281
Alternative A	5,825	7,454	11,611	8,355	10,651	9,466	5,033	4,879	5,800	8,368	6,874	6,125
Difference	364	736	45	-495	-954	-1,930	-235	347	515	1,436	1,026	844
Percent Difference	6.7%	10.9%	0.4%	-5.6%	-8.2%	-16.9%	-4.5%	7.7%	9.7%	20.7%	17.5%	16.0%
Critical (15%)												
No Action Alternative	5,008	4,978	7,834	8,034	8,451	8,196	4,136	3,921	5,351	6,860	5,676	4,908
Alternative A	5,477	5,270	7,307	7,516	7,537	7,229	4,227	4,121	5,657	7,281	7,294	5,848
Difference	468	292	-527	-517	-914	-966	90	200	306	421	1,618	939
Percent Difference	9.4%	5.9%	-6.7%	-6.4%	-10.8%	-11.8%	2.2%	5.1%	5.7%	6.1%	28.5%	19.1%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

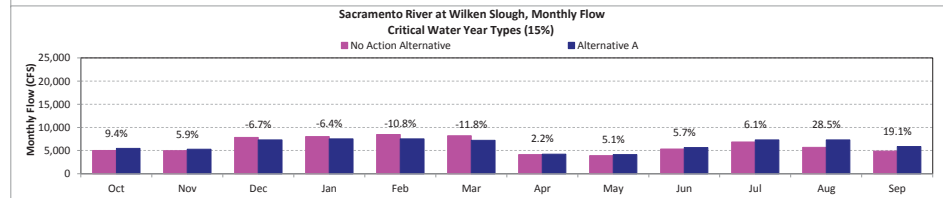
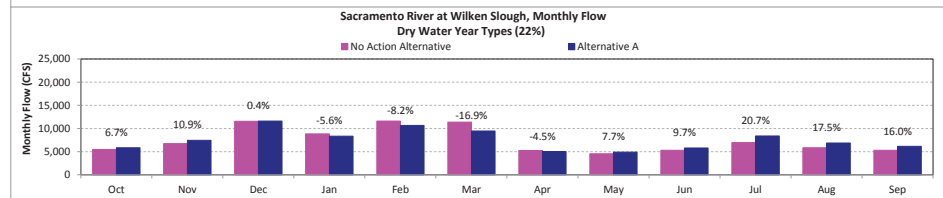
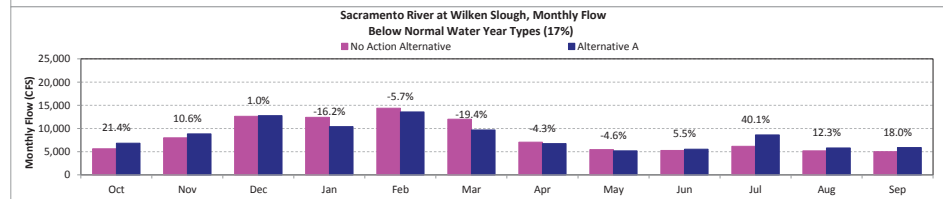
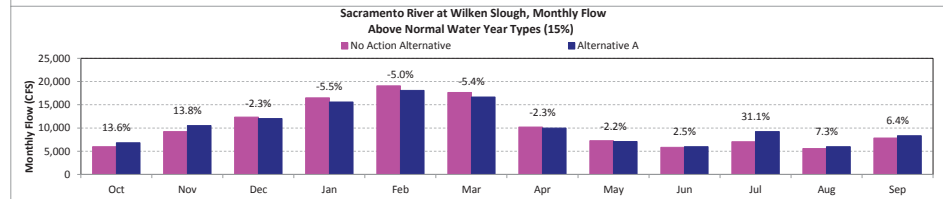
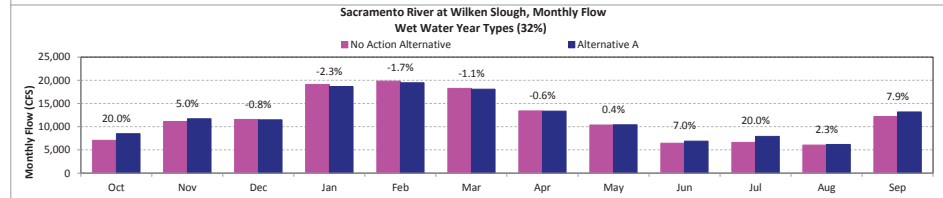
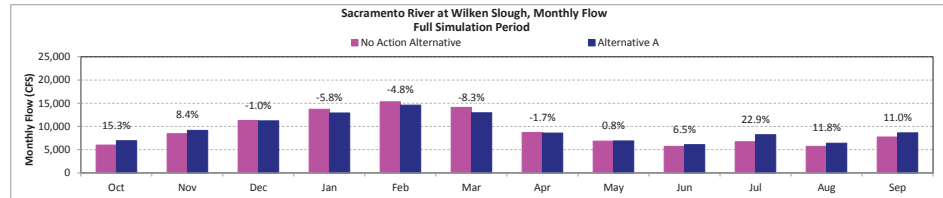


Figure SW-15-3b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

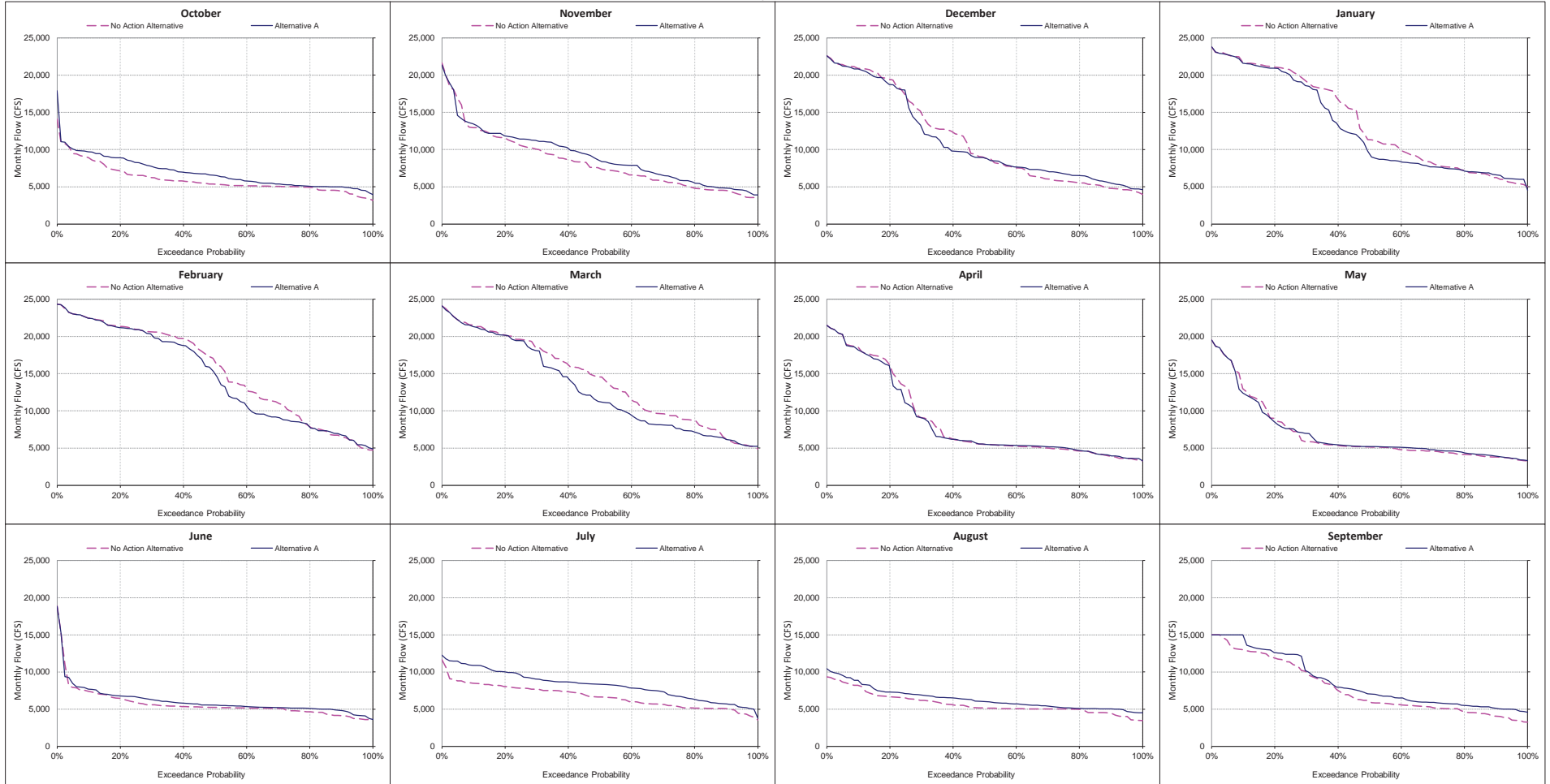


Table SW-15-3b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,099	17,901	3,802	27.0%
0.2%	10,836	11,063	227	2.1%
2.5%	10,836	11,006	170	1.6%
3.7%	10,399	10,391	-8	-0.1%
4.9%	9,459	10,089	631	6.7%
6.2%	9,414	9,877	464	4.9%
7.4%	9,149	9,858	709	7.7%
8.6%	9,079	9,803	724	8.0%
9.9%	8,942	9,692	750	8.4%
11.1%	8,595	9,664	1,069	12.4%
12.3%	8,419	9,469	1,049	12.5%
13.6%	8,398	9,459	1,062	12.6%
14.8%	8,018	9,122	1,104	13.8%
16.0%	7,482	9,087	1,605	21.4%
17.3%	7,363	8,934	1,570	21.3%
18.5%	7,269	8,893	1,624	22.3%
19.8%	7,139	8,885	1,745	24.4%
21.0%	7,136	8,852	1,716	24.0%
22.2%	6,653	8,578	1,926	28.9%
23.5%	6,593	8,483	1,889	28.7%
24.7%	6,567	8,288	1,721	26.2%
25.9%	6,538	8,223	1,684	25.8%
27.2%	6,532	8,067	1,536	23.5%
28.4%	6,369	7,888	1,519	23.9%
29.6%	6,229	7,778	1,549	24.9%
30.9%	6,227	7,593	1,366	21.9%
32.1%	6,017	7,455	1,437	23.9%
33.3%	5,920	7,444	1,524	25.7%
34.6%	5,886	7,431	1,545	26.2%
35.8%	5,869	7,312	1,443	24.6%
37.0%	5,809	7,243	1,434	24.7%
38.3%	5,806	7,091	1,185	20.6%
39.5%	5,792	6,982	1,190	20.5%
40.7%	5,733	6,905	1,172	20.4%
42.0%	5,697	6,885	1,188	20.9%
43.2%	5,636	6,815	1,180	20.9%
44.4%	5,548	6,772	1,224	22.1%
45.7%	5,526	6,750	1,223	22.1%
46.9%	5,462	6,722	1,260	23.1%
48.1%	5,385	6,614	1,229	22.8%
49.4%	5,384	6,568	1,184	22.0%
50.6%	5,334	6,503	1,169	21.9%
51.9%	5,287	6,353	1,066	20.2%
53.1%	5,257	6,324	1,067	20.3%
54.3%	5,194	6,126	932	18.0%
55.6%	5,163	6,041	878	17.0%
56.8%	5,158	5,970	811	15.7%
58.0%	5,154	5,957	803	15.6%
59.3%	5,152	5,794	642	12.5%
60.5%	5,130	5,751	621	12.1%
61.7%	5,115	5,723	608	11.9%
63.0%	5,113	5,640	527	10.3%
64.2%	5,107	5,514	407	8.0%
65.4%	5,103	5,487	384	7.5%
66.7%	5,097	5,480	383	7.5%
67.9%	5,058	5,473	415	8.2%
69.1%	5,050	5,382	332	6.6%
70.4%	5,045	5,371	326	6.5%
71.6%	5,037	5,291	255	5.1%
72.8%	5,025	5,282	257	5.1%
74.1%	5,022	5,263	240	4.8%
75.3%	5,012	5,157	144	2.9%
76.5%	5,005	5,152	147	2.9%
77.8%	4,966	5,122	155	3.1%
79.0%	4,957	5,113	157	3.2%
80.2%	4,837	5,078	141	2.9%
81.5%	4,927	5,033	106	2.1%
82.7%	4,570	5,025	454	9.9%
84.0%	4,544	5,013	468	10.3%
85.2%	4,533	5,012	480	10.6%
86.4%	4,523	5,000	477	10.5%
87.7%	4,520	4,800	480	10.6%
88.9%	4,507	4,500	493	10.9%
90.1%	4,395	4,494	599	13.6%
91.4%	4,364	4,927	564	12.9%
92.6%	4,064	4,876	812	20.0%
93.8%	4,026	4,763	736	18.3%
95.1%	3,701	4,744	1,043	28.2%
96.3%	3,544	4,523	980	27.6%
97.5%	3,504	4,507	1,003	28.6%
98.8%	3,378	4,206	828	24.5%
100.0%	3,169	3,934	765	24.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,650	21,378	-272	-1.3%
0.2%	20,042	19,900	-142	-0.7%
2.5%	18,479	18,935	456	2.5%
3.7%	18,060	18,032	-28	-0.2%
4.9%	16,907	14,606	-2,301	-13.6%
6.2%	16,004	14,188	-1,816	-11.5%
7.4%	15,534	13,534	-2,001	-12.9%
8.6%	13,032	13,603	571	4.4%
9.9%	12,953	13,466	513	4.0%
11.1%	12,933	13,190	258	2.0%
12.3%	12,559	12,825	267	2.1%
13.6%	12,496	12,333	-163	-1.3%
14.8%	12,256	12,182	-74	-0.6%
16.0%	11,882	12,178	297	2.5%
17.3%	11,675	12,175	501	4.3%
18.5%	11,635	12,175	540	4.6%
19.8%	11,627	11,875	248	2.1%
21.0%	11,290	11,764	474	4.2%
22.2%	11,086	11,695	609	5.5%
23.5%	10,908	11,555	647	5.9%
24.7%	10,558	11,418	861	8.2%
25.9%	10,447	11,412	965	9.2%
27.2%	10,284	11,391	1,107	10.8%
28.4%	10,226	11,266	1,040	10.2%
29.6%	10,088	11,242	1,153	11.4%
30.9%	9,970	11,103	1,133	11.4%
32.1%	9,455	9,822	367	3.9%
33.3%	9,429	11,025	1,596	16.9%
34.6%	9,356	10,988	1,632	17.4%
35.8%	9,281	10,699	1,417	15.3%
37.0%	8,676	10,476	1,800	18.0%
38.3%	8,623	10,413	1,790	18.0%
39.5%	8,680	10,288	1,608	18.5%
40.7%	8,618	9,885	1,267	14.7%
42.0%	8,367	9,838	1,471	17.6%
43.2%	8,350	9,660	1,330	15.9%
44.4%	8,338	9,500	1,162	13.9%
45.7%	8,284	9,379	1,095	13.2%
46.9%	7,616	9,230	1,614	21.2%
48.1%	7,616	8,886	1,271	16.7%
49.4%	7,558	8,610	1,052	13.9%
50.6%	7,368	8,364	1,015	13.8%
51.9%	7,242	8,335	1,093	15.1%
53.1%	7,212	8,181	969	13.4%
54.3%	7,154	8,059	905	12.6%
55.6%	7,074	8,008	933	13.2%
56.8%	6,920	7,936	1,015	14.7%
58.0%	6,835	7,915	1,081	15.8%
59.3%	6,601	7,897	1,296	19.6%
60.5%	6,584	7,880	1,297	19.7%
61.7%	6,511	7,872	1,361	20.9%
63.0%	6,458	7,323	866	13.4%
64.2%	6,447	7,138	691	10.7%
65.4%	6,133	7,037	904	14.7%
66.7%	5,911	6,928	1,017	17.2%
67.9%	5,890	6,734	844	14.3%
69.1%	5,877	6,628	751	12.8%
70.4%	5,371	6,508	1,137	21.2%
71.6%	5,587	6,443	856	15.3%
72.8%	5,581	6,293	711	12.7%
74.1%	5,512	6,154	642	11.6%
75.3%	5,398	5,877	478	8.9%
76.5%	5,188	5,837	649	12.5%
77.8%	5,102	5,826	724	14.2%
79.0%	4,906	5,707	801	16.3%
80.2%	4,788	5,497	709	14.8%
81.5%	4,734	5,432	697	14.7%
82.7%	4,665	5,218	553	11.9%
84.0%	4,619	5,069	450	9.7%
85.2%	4,586	5,014	427	9.3%
86.4%	4,575	4,967	392	8.6%
87.7%	4,500	4,867	367	8.1%
88.9%	4,529	4,852	323	7.1%
90.1%	4,511	4,808	297	6.6%
91.4%	4,364	4,787	423	9.7%
92.6%	4,173	4,655	482	11.6%
93.8%	4,014	4,619	604	15.1%
95.1%	3,915	4,581	667	17.1%
96.3%	3,588	4,481	893	24.9%
97.5%	3,570	4,178	608	17.0%
98.8%	3,552	3,909	357	10.1%
100.0%	3,537	3,907	370	10.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,617	22,631	14	0.1%
0.2%	22,254	22,254	0	0.0%
2.5%	21,692	21,646	-46	-0.2%
3.7%	21,468	21,566	98	0.5%
4.9%	21,444	21,226	-218	-1.0%
6.2%	21,229	21,177	-52	-0.2%
7.4%	21,201	21,042	-159	-0.7%
8.6%	21,154	20,848	-306	-1.4%
9.9%	20,890	20,827	-63	-0.3%
11.1%	20,878	20,665	-214	-1.0%
12.3%	20,818	20,472	-346	-1.7%
13.6%	20,743	20,160	-583	-2.8%
14.8%	20,406	19,829	-578	-2.8%
16.0%	20,305	19,700	-605	-3.0%
17.3%	19,691	19,685	-6	0.0%
18.5%	19,602	19,160	-442	-2.3%
19.8%	19,458	18,759	-699	-3.6%
21.0%	19,330	18,708	-622	-3.2%
22.2%	18,426	18,219	-207	-1.1%
23.5%	18,156	18,045	-111	-0.6%
24.7%	17,466	18,010	545	3.1%
25.9%	16,533	15,611	-922	-5.6%
27.2%	16,196	14,451	-1,745	-10.8%
28.4%	15,551	13,842	-1,709	-11.0%
29.6%	15,193	13,294	-1,899	-12.5%
30.9%	14,165	12,063	-2,102	-14.8%
32.1%	13,413	11,385	-1,429	-10.7%
33.3%	12,998	11,729	-1,269	-9.8%
34.6%	12,850	11,696	-1,155	-9.0%
35.8%	12,755	11,213	-1,542	-12.1%
37.0%	12,736	10,285	-2,452	-19.2%
38.3%	12,660	9,820	-2,840	-22.8%
39.5%	12,449	9,801	-2,648	-21.3%
40.7%	12,123	9,782	-2,341	-19.3%
42.0%	12,021	9,747	-2,275	-18.9%
43.2%	11,784	9,707	-2,077	-17.6%
44.4%	10,853	9,617	-1,236	-11.4%
45.7%	9,459	9,192	-267	-2.8%
46.9%	9,420	8,959	-461	-4.9%
48.1%	9,056	8,937	-119	-1.3%
49.4%	9,004	8,934	-70	-0.8%
50.6%	8,792	8,791	-1	0.0%
51.9%	8,762	8,515	-246	-2.8%
53.1%	8,247	8,478	231	2.8%
54.3%	8,131	8,440	309	3.8%
55.6%	8,107	8,166	59	0.7%
56.8%	7,777	7,907	130	1.7%
58.0%	7,741	7,803	62	0.8%
59.3%	7,552	7,696	144	1.9%
60.5%	7,522	7,630	108	1.4%
61.7%	7,487	7,611	123	1.6%
63.0%	7,226	7,548	321	4.4%
64.2%	6,494	7,340	846	13.0%
65.4%	6,413	7,337	924	14.4%
66.7%	6,363	7,334	971	15.3%
67.9%	6,239	7,257	1,019	16.3%
69.1%	6,070	7,166	1,096	18.1%
70.4%	6,023	7,023	1,000	16.6%
71.6%	5,894	7,003	1,109	18.8%
72.8%	5,826	6,962	1,136	19.5%
74.1%	5,803	6,836	1,032	17.8%
75.3%	5,746	6,726	980	17.0%
76.5%	5,738	6,682	944	16.4%
77.8%	5,663	6,519	856	15.1%
79.0%	5,567	6,512	945	17.0%
80.2%	5,523	6,508	984	17.8%
81.5%	5,51			

Table SW-15-3b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,355	24,329	-26	-0.1%
1.2%	23,267	24,254	987	4.2%
2.5%	23,722	23,885	162	0.7%
3.7%	23,248	23,246	-2	0.0%
4.9%	23,019	23,042	23	0.1%
6.2%	22,972	22,929	-43	-0.2%
7.4%	22,868	22,868	0	0.1%
8.6%	22,677	22,656	-21	-0.1%
9.9%	22,478	22,454	-24	-0.1%
11.1%	22,455	22,416	-39	-0.2%
12.3%	22,274	22,210	-64	-0.3%
13.6%	22,200	22,175	-25	-0.1%
14.8%	22,087	21,889	-198	-0.9%
16.0%	21,522	21,492	-30	-0.1%
17.3%	21,504	21,425	-79	-0.4%
18.5%	21,423	21,287	-136	-0.6%
19.8%	21,367	21,197	-171	-0.8%
21.0%	21,318	21,141	-178	-0.8%
22.2%	21,238	21,096	-142	-0.7%
23.5%	21,123	21,060	-62	-0.3%
24.7%	20,980	20,923	-56	-0.3%
25.9%	20,904	20,923	19	0.1%
27.2%	20,771	20,784	13	0.1%
28.4%	20,649	20,432	-216	-1.0%
29.6%	20,624	20,338	-286	-1.4%
30.9%	20,600	19,793	-807	-3.9%
32.1%	20,580	19,709	-871	-4.2%
33.3%	20,442	19,317	-1,125	-5.5%
34.6%	20,263	19,307	-956	-4.7%
35.8%	20,141	19,252	-889	-4.4%
37.0%	20,091	19,223	-868	-4.3%
38.3%	19,742	18,969	-773	-3.9%
39.5%	19,719	18,818	-901	-4.6%
40.7%	19,692	18,743	-950	-4.8%
42.0%	19,353	18,316	-1,037	-5.4%
43.2%	19,047	17,978	-1,069	-5.6%
44.4%	18,995	17,414	-981	-5.3%
45.7%	18,052	16,946	-1,107	-6.1%
46.9%	17,673	15,975	-1,698	-9.6%
48.1%	17,315	15,867	-1,448	-8.4%
49.4%	17,047	15,323	-1,724	-10.1%
50.6%	16,177	14,570	-1,607	-9.9%
51.9%	15,967	13,512	-2,455	-15.4%
53.1%	15,324	13,231	-2,092	-13.7%
54.3%	13,886	11,963	-1,923	-13.9%
55.6%	13,866	11,737	-2,129	-15.4%
56.8%	13,752	11,645	-2,107	-15.3%
58.0%	13,493	11,257	-2,236	-16.6%
59.3%	13,429	11,054	-2,375	-17.7%
60.5%	12,628	10,331	-2,297	-18.2%
61.7%	12,554	9,832	-2,722	-21.7%
63.0%	12,370	9,564	-2,786	-22.5%
64.2%	11,680	9,580	-2,101	-18.0%
65.4%	11,503	9,560	-1,943	-16.9%
66.7%	11,489	9,304	-2,185	-19.0%
67.9%	11,325	9,164	-2,161	-19.1%
69.1%	11,230	9,164	-2,066	-18.4%
70.4%	10,961	9,059	-1,902	-17.4%
71.6%	10,804	8,780	-2,023	-18.7%
72.8%	10,180	8,762	-1,418	-13.9%
74.1%	9,955	8,577	-1,378	-13.8%
75.3%	9,524	8,544	-980	-10.3%
76.5%	9,280	8,517	-762	-8.2%
77.8%	8,431	8,388	-43	-0.5%
79.0%	8,152	8,275	123	1.5%
80.2%	7,791	7,664	-107	-1.4%
81.5%	7,574	7,649	75	1.0%
82.7%	7,572	7,341	-231	-3.1%
84.0%	7,432	7,324	-108	-1.5%
85.2%	7,267	7,313	47	0.6%
86.4%	6,792	7,152	390	5.7%
87.7%	6,730	6,970	241	3.6%
88.9%	6,715	6,959	244	3.6%
90.1%	6,479	6,746	267	4.1%
91.4%	6,387	6,635	248	3.9%
92.6%	6,098	6,076	-22	-0.4%
93.8%	6,062	6,028	-35	-0.6%
95.1%	5,422	5,450	28	0.5%
96.3%	5,025	5,448	423	8.4%
97.5%	4,934	5,341	407	8.2%
98.8%	4,760	5,042	282	5.9%
100.0%	4,735	4,892	157	3.3%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,114	24,116	2	0.0%
1.2%	23,115	23,542	427	1.9%
2.5%	23,222	23,225	3	0.0%
3.7%	22,672	22,663	-9	0.0%
4.9%	22,243	22,250	7	0.0%
6.2%	21,973	21,833	-140	-0.6%
7.4%	21,871	21,555	-316	-1.4%
8.6%	21,557	21,541	-16	-0.1%
9.9%	21,542	21,323	-219	-1.0%
11.1%	21,326	21,209	-118	-0.6%
12.3%	21,317	20,986	-331	-1.6%
13.6%	21,018	20,922	-96	-0.5%
14.8%	20,719	20,603	-116	-0.6%
16.0%	20,694	20,554	-139	-0.7%
17.3%	20,595	20,284	-311	-1.5%
18.5%	20,281	20,222	-59	-0.3%
19.8%	20,214	20,187	-27	-0.1%
21.0%	20,063	20,101	38	0.2%
22.2%	20,026	19,619	-407	-2.0%
23.5%	19,620	19,448	-173	-0.9%
24.7%	19,605	19,433	-172	-0.9%
25.9%	19,539	19,417	-122	-0.6%
27.2%	19,455	18,630	-825	-4.2%
28.4%	19,348	18,277	-1,071	-5.5%
29.6%	18,513	18,126	-388	-2.1%
30.9%	18,486	18,047	-438	-2.4%
32.1%	18,029	18,002	-27	-0.1%
33.3%	17,795	15,885	-1,909	-10.7%
34.6%	17,667	15,783	-1,885	-10.7%
35.8%	17,076	15,559	-1,518	-8.9%
37.0%	17,021	15,393	-1,628	-9.6%
38.3%	16,853	14,589	-2,264	-12.4%
39.5%	16,398	14,581	-1,818	-11.1%
40.7%	15,882	13,996	-1,886	-11.9%
42.0%	15,869	13,493	-2,377	-15.0%
43.2%	15,812	12,566	-3,246	-20.5%
44.4%	15,547	12,250	-3,297	-21.2%
45.7%	15,538	12,110	-3,428	-22.1%
46.9%	14,946	12,108	-2,838	-19.0%
48.1%	14,731	11,573	-3,158	-21.4%
49.4%	14,553	11,276	-3,276	-22.5%
50.6%	14,542	11,166	-3,376	-23.2%
51.9%	13,982	11,113	-2,869	-20.5%
53.1%	13,479	11,073	-2,406	-17.8%
54.3%	13,057	10,620	-2,437	-18.7%
55.6%	12,991	10,231	-2,760	-21.2%
56.8%	12,579	10,122	-2,458	-19.5%
58.0%	12,513	9,873	-2,640	-21.1%
59.3%	11,813	9,619	-2,194	-18.6%
60.5%	11,306	9,245	-2,061	-18.2%
61.7%	11,129	8,891	-2,238	-20.1%
63.0%	10,462	8,674	-1,788	-17.1%
64.2%	10,130	8,671	-1,459	-14.4%
65.4%	9,959	8,227	-1,732	-17.4%
66.7%	9,304	8,197	-1,107	-11.9%
67.9%	9,665	8,145	-1,520	-15.7%
69.1%	9,139	8,139	-1,000	-11.0%
70.4%	9,059	8,090	-1,069	-11.8%
71.6%	9,391	8,069	-1,323	-14.1%
72.8%	9,358	8,051	-1,307	-14.0%
74.1%	9,358	7,655	-1,703	-18.2%
75.3%	8,902	7,623	-1,279	-14.4%
76.5%	8,846	7,377	-1,469	-16.6%
77.8%	8,838	7,340	-1,498	-17.0%
79.0%	8,768	7,310	-1,458	-16.6%
80.2%	8,684	7,115	-1,569	-18.1%
81.5%	8,044	6,954	-1,090	-13.5%
82.7%	7,341	6,711	-1,173	-14.9%
84.0%	7,729	6,636	-1,094	-14.2%
85.2%	7,507	6,620	-887	-11.8%
86.4%	7,499	6,513	-986	-13.2%
87.7%	6,970	6,454	-516	-7.4%
88.9%	6,715	6,386	-329	-4.9%
90.1%	6,128	6,134	6	0.1%
91.4%	5,946	6,082	135	2.3%
92.6%	5,636	5,957	321	5.7%
93.8%	5,576	5,623	47	0.8%
95.1%	5,439	5,451	12	0.2%
96.3%	5,408	5,306	-101	-1.9%
97.5%	5,241	5,262	21	0.4%
98.8%	5,234	5,248	14	0.3%
100.0%	4,863	4,863	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,507	21,506	-1	0.0%
1.2%	21,086	21,044	-42	-0.2%
2.5%	20,914	20,921	7	0.0%
3.7%	20,459	20,457	-2	0.0%
4.9%	20,290	20,293	3	0.0%
6.2%	18,928	18,792	-137	-0.7%
7.4%	18,745	18,745	0	0.0%
8.6%	18,671	18,589	-83	-0.4%
9.9%	18,588	18,174	-414	-2.2%
11.1%	17,944	17,944	0	0.0%
12.3%	17,703	17,634	-70	-0.4%
13.6%	17,629	17,371	-259	-1.5%
14.8%	17,454	17,002	-452	-2.6%
16.0%	17,392	16,927	-465	-2.7%
17.3%	17,206	16,601	-605	-3.5%
18.5%	16,912	16,270	-643	-3.8%
19.8%	16,281	16,106	-175	-1.1%
21.0%	15,000	13,335	-1,665	-11.1%
22.2%	14,374	12,888	-1,486	-10.3%
23.5%	13,642	12,868	-774	-5.7%
24.7%	13,328	11,097	-2,231	-16.7%
25.9%	12,922	10,824	-2,099	-16.1%
27.2%	10,968	10,444	-524	-4.8%
28.4%	9,520	9,232	-288	-3.0%
29.6%	9,122	9,110	-12	-0.1%
30.9%	9,038	8,939	-100	-1.1%
32.1%	8,935	8,548	-388	-4.3%
33.3%	8,573	7,491	-1,082	-12.6%
34.6%	7,855	6,568	-1,286	-16.4%
35.8%	7,736	6,522	-1,214	-15.7%
37.0%	6,519	6,395	-124	-1.9%
38.3%	6,422	6,271	-151	-2.3%
39.5%	6,271	6,167	-104	-1.7%
40.7%	6,087	6,166	79	1.3%
42.0%	6,084	6,052	-32	-0.5%
43.2%	5,921	5,990	69	1.2%
44.4%	5,868	5,985	117	2.0%
45.7%	5,784	5,955	171	3.0%
46.9%	5,618	5,726	107	1.9%
48.1%	5,545	5,545	0	0.0%
49.4%	5,504	5,539	35	0.6%
50.6%	5,482	5,482	0	0.0%
51.9%	5,459	5,459	0	0.0%
53.1%	5,439	5,439	0	0.0%
54.3%	5,368	5,427	60	1.1%
55.6%	5,340	5,424	85	1.6%
56.8%	5,333	5,420	87	1.6%
58.0%	5,308	5,373	65	1.2%
59.3%	5,276	5,368	92	1.7%
60.5%	5,232	5,351	119	2.3%
61.7%	5,213	5,343	129	2.5%
63.0%	5,195	5,340	144	2.8%
64.2%	5,161	5,308	147	2.8%
65.4%	5,146	5,283	137	2.7%
66.7%	5,144	5,283	139	2.7%
67.9%	5,039	5,276	237	4.7%
69.1%	5,027	5,195	169	3.4%
70.4%	4,977	5,177	199	4.0%
71.6%	4,927	5,161	234	4.7%
72.8%	4,920	5,146	226	4.6%
74.1%	4,896	5,109	212	4.3%
75.3%	4,851	5,041	190	3.9%
76.5%	4,783	4,960	177	3.7%
77.8%	4,744	4,896	152	3.2%
79.0%	4,625	4,744	120	2.6%
80.2%	4,614	4,645	31	0.7%
81.5%	4,609	4,600	-9	-0.2%

Table SW-15-3b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,883	18,846	-37	-0.2%
0.2%	18,281	18,274	-7	-0.0%
2.5%	11,055	9,355	-1,701	-15.4%
3.7%	8,139	9,280	1,141	14.0%
4.9%	7,942	8,468	527	6.6%
6.2%	7,852	7,994	142	1.8%
7.4%	7,553	7,980	427	5.7%
8.6%	7,551	7,898	347	4.6%
9.9%	7,416	7,691	274	3.7%
11.1%	7,298	7,656	358	4.9%
12.3%	7,129	7,603	474	6.7%
13.6%	7,032	7,131	99	1.4%
14.8%	6,998	7,011	14	0.2%
16.0%	6,922	7,009	87	1.2%
17.3%	6,598	6,879	281	4.3%
18.5%	6,498	6,823	325	5.0%
19.8%	6,458	6,780	322	5.0%
21.0%	6,321	6,741	421	6.7%
22.2%	6,176	6,714	538	8.7%
23.5%	6,041	6,709	668	11.1%
24.7%	5,934	6,686	751	12.7%
25.9%	5,793	6,581	787	13.6%
27.2%	5,717	6,480	762	13.3%
28.4%	5,585	6,385	800	14.3%
29.6%	5,580	6,308	728	13.0%
30.9%	5,577	6,235	658	11.8%
32.1%	5,502	6,165	664	12.1%
33.3%	5,448	6,051	603	11.1%
34.6%	5,441	6,044	603	11.1%
35.8%	5,427	5,981	554	10.2%
37.0%	5,424	5,918	494	9.1%
38.3%	5,409	5,861	452	8.3%
39.5%	5,342	5,799	457	8.5%
40.7%	5,332	5,787	455	8.5%
42.0%	5,316	5,782	466	8.8%
43.2%	5,307	5,712	405	7.6%
44.4%	5,302	5,706	404	7.6%
45.7%	5,268	5,566	298	5.7%
46.9%	5,265	5,554	288	5.5%
48.1%	5,247	5,550	303	5.8%
49.4%	5,236	5,549	313	6.0%
50.6%	5,235	5,535	300	5.7%
51.9%	5,214	5,508	294	5.6%
53.1%	5,206	5,490	284	5.5%
54.3%	5,204	5,471	267	5.1%
55.6%	5,198	5,441	245	4.7%
56.8%	5,173	5,428	255	4.9%
58.0%	5,150	5,424	274	5.3%
59.3%	5,155	5,342	187	3.6%
60.5%	5,145	5,332	187	3.6%
61.7%	5,144	5,302	158	3.1%
63.0%	5,132	5,268	135	2.6%
64.2%	5,131	5,251	121	2.3%
65.4%	5,128	5,242	114	2.2%
66.7%	5,124	5,238	115	2.2%
67.9%	5,110	5,235	125	2.4%
69.1%	5,098	5,228	129	2.5%
70.4%	5,092	5,214	122	2.4%
71.6%	5,066	5,203	137	2.7%
72.8%	4,793	5,155	362	7.6%
74.1%	4,782	5,150	368	7.7%
75.3%	4,777	5,144	366	7.7%
76.5%	4,751	5,132	381	8.0%
77.8%	4,703	5,128	425	9.0%
79.0%	4,657	5,110	453	9.7%
80.2%	4,632	5,091	459	9.9%
81.5%	4,591	5,064	473	10.3%
82.7%	4,584	5,000	416	9.1%
84.0%	4,582	5,000	418	9.1%
85.2%	4,347	5,000	653	15.0%
86.4%	4,245	5,000	755	17.8%
87.7%	4,168	4,913	745	17.9%
88.9%	4,141	4,900	759	18.3%
90.1%	4,126	4,793	667	16.2%
91.4%	4,085	4,729	644	15.8%
92.6%	3,996	4,548	553	13.8%
93.8%	3,752	4,249	497	13.3%
95.1%	3,738	4,159	420	11.2%
96.3%	3,661	4,141	481	13.1%
97.5%	3,598	4,101	503	14.0%
98.8%	3,585	3,729	143	4.0%
100.0%	3,524	3,598	74	2.1%

Percent Exceedance Probability	July			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,651	12,259	609	5.2%
0.2%	10,685	11,788	1,103	10.3%
2.5%	9,065	11,499	2,434	26.9%
3.7%	8,998	11,458	2,460	27.3%
4.9%	8,814	11,454	2,640	30.0%
6.2%	8,794	11,161	2,367	26.9%
7.4%	8,747	11,124	2,376	27.2%
8.6%	8,551	10,945	2,401	28.1%
9.9%	8,502	10,922	2,420	28.5%
11.1%	8,462	10,878	2,417	28.6%
12.3%	8,410	10,861	2,451	29.2%
13.6%	8,317	10,678	2,360	28.4%
14.8%	8,304	10,438	2,134	25.7%
16.0%	8,218	10,204	1,986	24.2%
17.3%	8,192	10,085	1,893	23.1%
18.5%	8,177	10,080	1,904	23.3%
19.8%	8,035	10,047	2,012	25.0%
21.0%	8,021	9,940	1,920	23.9%
22.2%	7,938	9,938	2,000	25.2%
23.5%	7,866	9,841	1,975	25.1%
24.7%	7,837	9,645	1,808	23.1%
25.9%	7,833	9,305	1,472	18.9%
27.2%	7,774	9,281	1,507	19.4%
28.4%	7,683	9,173	1,490	19.4%
29.6%	7,681	9,051	1,370	17.8%
30.9%	7,661	9,037	1,375	18.0%
32.1%	7,521	8,990	1,369	18.2%
33.3%	7,520	8,829	1,309	17.4%
34.6%	7,498	8,788	1,290	17.2%
35.8%	7,494	8,689	1,195	15.9%
37.0%	7,477	8,686	1,209	16.2%
38.3%	7,365	8,671	1,306	17.7%
39.5%	7,362	8,659	1,297	17.6%
40.7%	7,313	8,624	1,311	17.9%
42.0%	7,241	8,618	1,377	19.0%
43.2%	7,205	8,498	1,293	17.9%
44.4%	7,045	8,455	1,410	20.0%
45.7%	6,831	8,427	1,596	23.4%
46.9%	6,678	8,394	1,717	25.7%
48.1%	6,661	8,387	1,726	25.9%
49.4%	6,629	8,369	1,740	26.2%
50.6%	6,624	8,343	1,719	25.9%
51.9%	6,592	8,314	1,722	26.1%
53.1%	6,582	8,248	1,666	25.3%
54.3%	6,571	8,236	1,706	26.1%
55.6%	6,483	8,197	1,714	26.4%
56.8%	6,278	8,115	1,837	29.3%
58.0%	6,268	8,039	1,771	28.3%
59.3%	6,017	7,853	1,836	30.5%
60.5%	6,015	7,846	1,831	30.4%
61.7%	5,970	7,793	1,823	30.5%
63.0%	5,920	7,775	1,955	33.0%
64.2%	5,758	7,613	1,854	32.2%
65.4%	5,720	7,558	1,838	32.1%
66.7%	5,695	7,503	1,809	31.8%
67.9%	5,681	7,475	1,795	31.6%
69.1%	5,669	7,397	1,728	30.5%
70.4%	5,632	7,316	1,684	29.9%
71.6%	5,483	6,958	1,475	26.9%
72.8%	5,471	6,837	1,365	25.0%
74.1%	5,426	6,763	1,336	24.6%
75.3%	5,318	6,727	1,409	26.5%
76.5%	5,177	6,605	1,428	27.6%
77.8%	5,172	6,462	1,290	24.9%
79.0%	5,110	6,391	1,219	23.6%
80.2%	5,142	6,287	1,144	22.3%
81.5%	5,129	6,145	1,016	19.8%
82.7%	5,129	6,130	1,002	19.5%
84.0%	5,111	6,066	955	18.7%
85.2%	5,107	5,868	761	14.9%
86.4%	5,104	5,854	750	14.7%
87.7%	5,102	5,766	664	12.8%
88.9%	5,089	5,719	629	12.4%
90.1%	5,080	5,687	607	12.0%
91.4%	4,969	5,640	671	13.5%
92.6%	4,904	5,629	724	14.8%
93.8%	4,442	5,319	877	19.7%
95.1%	4,378	5,234	854	18.7%
96.3%	4,326	5,198	872	20.2%
97.5%	4,096	5,062	966	23.6%
98.8%	3,917	5,000	1,083	27.7%
100.0%	3,541	4,796	1,255	35.4%

Percent Exceedance Probability	August			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,343	10,450	1,106	11.8%
0.2%	9,246	10,263	1,017	10.9%
2.5%	9,013	9,885	872	9.7%
3.7%	8,999	9,806	806	9.0%
4.9%	8,660	9,538	878	10.1%
6.2%	8,540	9,255	715	8.4%
7.4%	8,349	9,246	897	10.7%
8.6%	8,220	8,895	675	8.2%
9.9%	8,206	8,872	666	8.1%
11.1%	8,033	8,325	293	3.6%
12.3%	7,373	8,279	906	12.3%
13.6%	7,162	8,232	1,070	14.9%
14.8%	6,977	7,770	793	11.4%
16.0%	6,820	7,476	656	9.6%
17.3%	6,776	7,413	637	9.4%
18.5%	6,739	7,321	582	8.6%
19.8%	6,667	7,314	647	9.7%
21.0%	6,631	7,283	652	9.8%
22.2%	6,610	7,267	658	10.0%
23.5%	6,555	7,201	646	9.9%
24.7%	6,527	7,081	555	8.5%
25.9%	6,383	7,053	670	10.5%
27.2%	6,342	7,001	659	10.4%
28.4%	6,307	6,959	652	10.3%
29.6%	6,196	6,933	738	11.9%
30.9%	6,181	6,843	662	10.7%
32.1%	6,119	6,709	591	9.7%
33.3%	6,094	6,764	670	11.0%
34.6%	5,980	6,597	617	10.3%
35.8%	5,868	6,586	718	12.2%
37.0%	5,685	6,574	890	15.6%
38.3%	5,662	6,445	783	13.8%
39.5%	5,616	6,520	904	16.1%
40.7%	5,534	6,506	972	17.6%
42.0%	5,516	6,406	890	16.1%
43.2%	5,503	6,367	863	15.7%
44.4%	5,374	6,345	971	18.1%
45.7%	5,219	6,305	1,086	20.8%
46.9%	5,217	6,089	872	16.7%
48.1%	5,186	6,060	874	16.8%
49.4%	5,171	6,041	870	16.8%
50.6%	5,130	6,000	870	16.8%
51.9%	5,122	5,942	820	16.0%
53.1%	5,122	5,887	765	14.9%
54.3%	5,087	5,854	767	15.1%
55.6%	5,070	5,817	747	14.7%
56.8%	5,066	5,801	735	14.5%
58.0%	5,062	5,748	686	13.6%
59.3%	5,061	5,713	652	12.9%
60.5%	5,055	5,702	648	12.8%
61.7%	5,053	5,652	599	11.9%
63.0%	5,030	5,668	638	10.7%
64.2%	5,029	5,566	537	10.7%
65.4%	5,029	5,519	490	9.7%
66.7%	5,029	5,510	481	9.6%
67.9%	5,024	5,458	434	8.6%
69.1%	5,023	5,447	425	8.5%
70.4%	5,019	5,382	362	7.2%
71.6%	5,018	5,338	320	6.4%
72.8%	5,016	5,247	231	4.6%
74.1%	5,012	5,234	222	4.4%
75.3%	5,012	5,191	179	3.6%
76.5%	5,011	5,173	162	3.2%
77.8%	5,010	5,126	117	2.3%
79.0%	4,994	5,121	127	2.5%
80.2%	4,981	5,120	139	2.8%
81.5%	4,837	5,087	250	5.2%
82.7%	4,555	5,066	511	11.2%
84.0%	4,546	5,0		

Table SW-16-3a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	9,258	12,153	19,084	27,004	31,441	28,424	19,441	15,292	12,918	15,838	12,415	14,704
Alternative A	9,897	12,866	18,602	25,948	30,364	27,271	19,202	15,284	13,434	17,383	13,123	15,760
Difference	639	712	-482	-1,065	-1,077	-1,153	-239	-8	516	1,545	708	1,056
Percent Difference ³	6.9%	5.9%	-2.5%	-3.9%	-3.4%	-4.1%	-1.2%	-0.1%	4.0%	9.8%	5.7%	7.2%
Water Year Types²												
Wet (32%)												
No Action Alternative	11,245	15,767	21,483	44,203	49,347	43,331	32,085	25,662	17,796	15,937	12,380	23,027
Alternative A	12,387	16,285	20,693	43,529	48,580	43,040	31,950	25,704	18,471	17,281	12,439	24,092
Difference	1,143	518	-790	-674	-766	-292	-135	42	675	1,344	59	1,065
Percent Difference	10.2%	3.3%	-3.7%	-1.5%	-1.6%	-0.7%	-0.4%	0.2%	3.8%	8.4%	0.5%	4.6%
Above Normal (15%)												
No Action Alternative	10,102	13,988	19,955	32,683	38,255	38,744	21,918	16,478	13,161	17,418	13,713	17,333
Alternative A	10,717	15,203	18,543	30,761	36,700	37,957	21,540	16,415	13,648	19,561	13,691	18,139
Difference	615	1,216	-1,412	-1,922	-1,555	-787	-378	-63	487	2,144	-22	806
Percent Difference	6.1%	8.7%	-7.1%	-5.9%	-4.1%	-2.0%	-1.7%	-0.4%	3.7%	12.3%	-0.2%	4.7%
Below Normal (17%)												
No Action Alternative	9,398	11,919	22,226	19,174	25,330	20,113	13,865	10,765	10,623	16,341	13,118	9,784
Alternative A	10,067	12,810	22,628	16,918	24,607	18,262	13,504	10,526	11,381	18,701	13,447	10,904
Difference	669	890	403	-2,256	-723	-1,851	-361	-239	758	2,360	329	1,120
Percent Difference	7.1%	7.5%	1.8%	-11.8%	-2.9%	-9.2%	-2.6%	-2.2%	7.1%	14.4%	2.5%	11.4%
Dry (22%)												
No Action Alternative	7,702	9,710	18,322	14,431	18,308	17,638	10,783	8,758	10,227	15,964	13,332	9,606
Alternative A	7,752	10,534	18,210	13,725	16,789	15,172	10,491	8,844	10,494	17,407	14,987	10,735
Difference	50	824	-112	-706	-1,519	-2,466	-292	86	268	1,444	1,655	1,129
Percent Difference	0.7%	8.5%	-0.6%	-4.9%	-8.3%	-14.0%	-2.7%	1.0%	2.6%	9.0%	12.4%	11.8%
Critical (15%)												
No Action Alternative	6,282	6,426	10,494	12,052	12,661	11,682	9,059	6,724	8,818	13,268	9,000	7,429
Alternative A	6,700	6,683	10,024	11,912	11,638	11,077	8,955	6,790	9,109	13,851	10,866	8,532
Difference	417	257	-470	-140	-1,023	-605	-104	67	291	583	1,866	1,103
Percent Difference	6.6%	4.0%	-4.5%	-1.2%	-8.1%	-5.2%	-1.1%	1.0%	3.3%	4.4%	20.7%	14.8%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

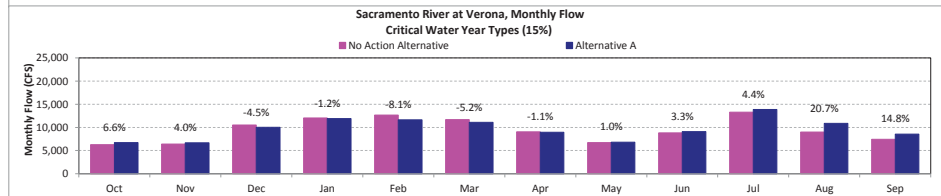
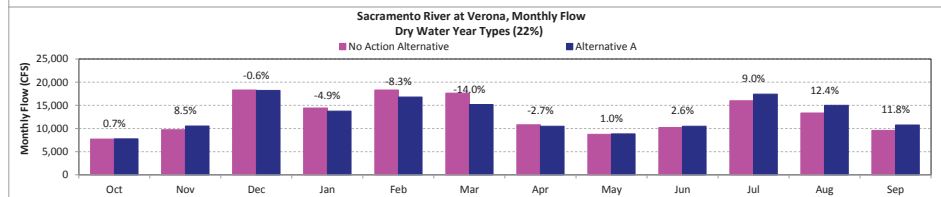
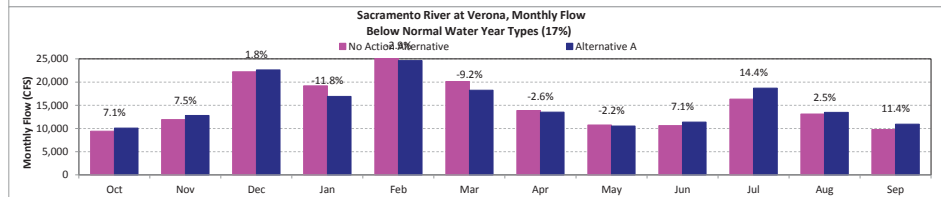
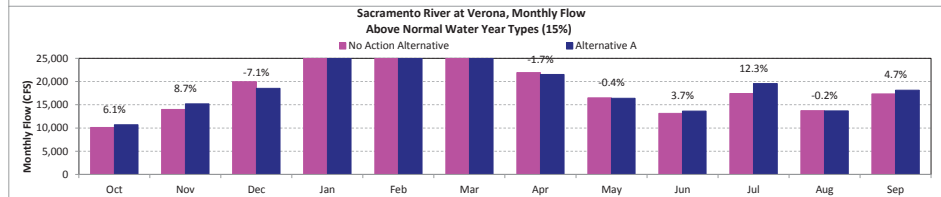
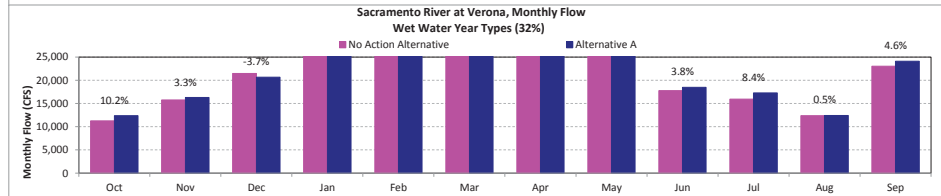
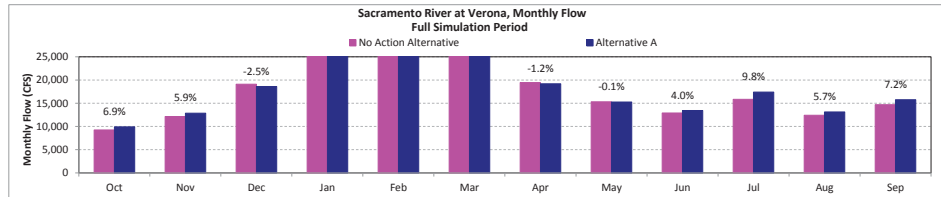


Figure SW-16-3b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

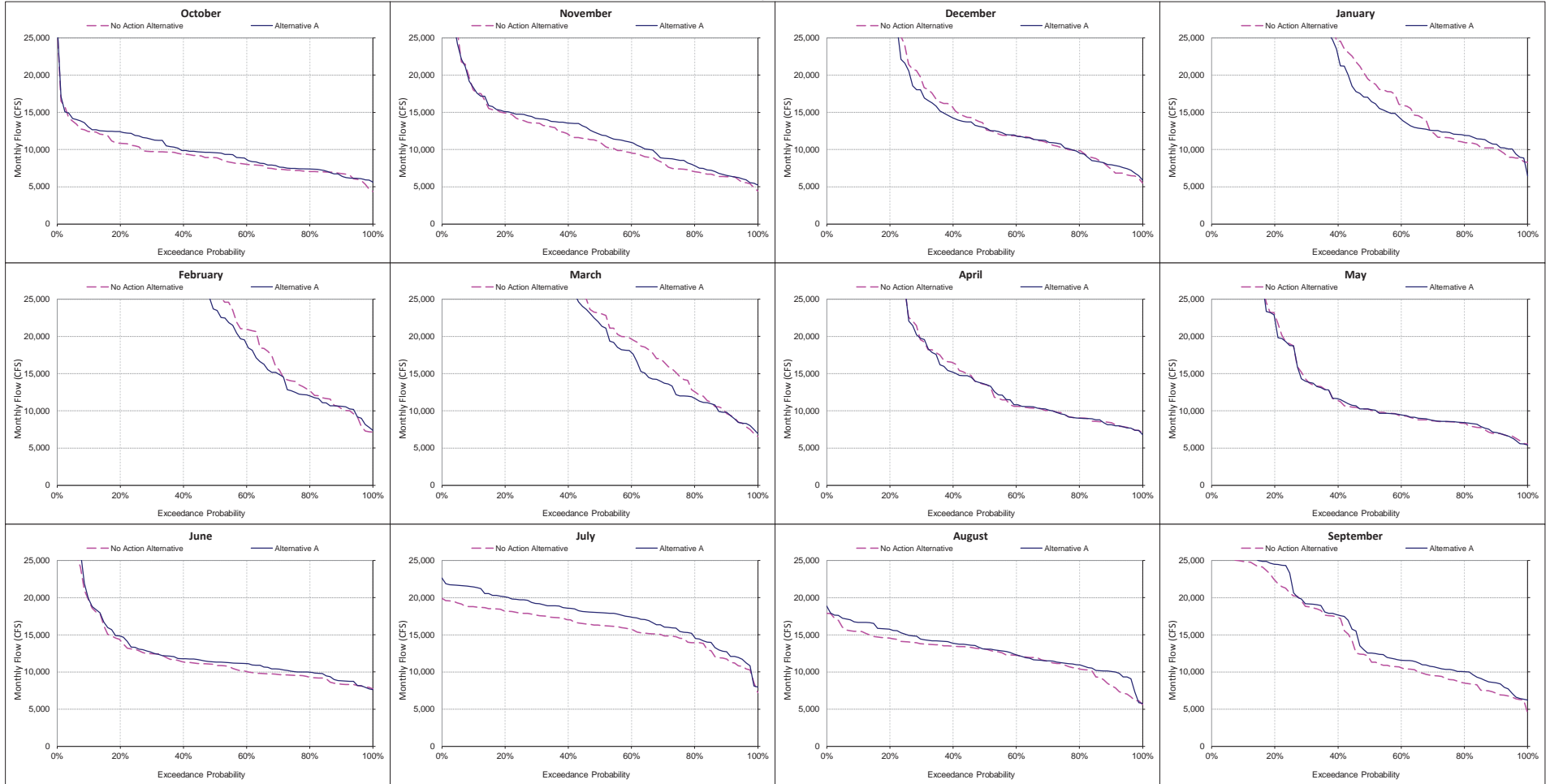


Table SW-16-3b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	26,581	27,356	675	2.5%
1.2%	17,128	17,328	617	3.7%
2.5%	15,779	15,083	-696	-4.4%
3.7%	14,246	14,890	644	4.5%
4.9%	13,804	14,174	370	2.7%
6.2%	13,396	14,022	627	4.7%
7.4%	12,771	13,850	1,079	8.5%
8.6%	12,655	13,602	947	7.5%
9.9%	12,427	13,069	643	5.2%
11.1%	12,402	12,680	278	2.2%
12.3%	12,337	12,670	334	2.7%
13.6%	12,073	12,532	459	3.8%
14.8%	12,012	12,505	492	4.1%
16.0%	11,861	12,478	617	5.2%
17.3%	11,162	12,461	1,299	11.6%
18.5%	10,910	12,436	1,526	14.0%
19.8%	10,947	12,417	1,570	14.5%
21.0%	10,825	12,294	1,469	13.6%
22.2%	10,780	12,228	1,447	13.4%
23.5%	10,591	12,194	1,604	15.1%
24.7%	10,497	11,916	1,420	13.5%
25.9%	10,378	11,837	1,459	14.1%
27.2%	9,834	11,617	1,783	18.1%
28.4%	9,767	11,543	1,776	18.2%
29.6%	9,738	11,398	1,660	17.0%
30.9%	9,734	11,280	1,546	15.9%
32.1%	9,738	11,240	1,502	15.4%
33.3%	9,689	11,224	1,535	15.8%
34.6%	9,673	10,513	840	8.7%
35.8%	9,655	10,401	746	7.7%
37.0%	9,634	10,318	684	7.1%
38.3%	9,492	10,177	686	7.2%
39.5%	9,398	9,873	475	5.1%
40.7%	9,375	9,869	495	5.3%
42.0%	9,333	9,772	439	4.7%
43.2%	9,224	9,765	541	5.9%
44.4%	9,220	9,696	476	5.2%
45.7%	9,126	9,674	548	6.0%
46.9%	8,950	9,644	694	7.8%
48.1%	8,946	9,637	690	7.7%
49.4%	8,920	9,597	676	7.6%
50.6%	8,893	9,574	681	7.7%
51.9%	8,682	9,533	850	9.8%
53.1%	8,461	9,364	904	10.7%
54.3%	8,351	9,346	995	11.9%
55.6%	8,219	9,310	1,091	13.3%
56.8%	8,127	9,337	1,210	15.0%
58.0%	8,126	9,315	1,189	14.7%
59.3%	8,069	8,873	804	10.0%
60.5%	7,977	8,509	532	6.7%
61.7%	7,955	8,371	416	5.2%
63.0%	7,908	8,328	420	5.3%
64.2%	7,892	8,182	290	3.7%
65.4%	7,824	8,143	319	4.1%
66.7%	7,506	7,918	413	5.5%
67.9%	7,465	7,917	452	6.0%
69.1%	7,368	7,864	496	6.7%
70.4%	7,355	7,641	286	3.9%
71.6%	7,335	7,599	264	3.6%
72.8%	7,270	7,515	245	3.4%
74.1%	7,270	7,473	203	2.8%
75.3%	7,188	7,472	284	4.0%
76.5%	7,184	7,419	235	3.3%
77.8%	7,136	7,390	254	3.6%
79.0%	7,100	7,389	288	4.1%
80.2%	7,041	7,387	345	4.9%
81.5%	7,040	7,381	341	4.8%
82.7%	7,001	7,323	323	4.6%
84.0%	7,000	7,232	232	3.3%
85.2%	6,992	7,122	130	1.9%
86.4%	6,989	6,995	-6	-1.3%
87.7%	6,934	6,738	-195	-2.8%
88.9%	6,837	6,730	-107	-1.6%
90.1%	6,783	6,433	-351	-5.2%
91.4%	6,701	6,262	-439	-6.6%
92.6%	6,585	6,190	-395	-6.0%
93.8%	6,071	6,149	78	1.3%
95.1%	6,006	6,142	136	2.3%
96.3%	5,820	6,077	257	4.4%
97.5%	5,322	5,918	595	11.2%
98.8%	4,685	5,901	1,216	26.0%
100.0%	4,369	5,624	1,255	28.7%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	42,249	41,007	-1,242	-2.9%
1.2%	41,216	40,805	-411	-1.0%
2.5%	28,205	27,466	-739	-2.6%
3.7%	26,012	27,203	1,191	4.6%
4.9%	25,779	24,188	-1,591	-6.2%
6.2%	21,784	22,149	365	1.7%
7.4%	21,475	21,167	-308	-1.4%
8.6%	19,690	19,211	-480	-2.4%
9.9%	18,033	18,379	346	1.9%
11.1%	17,584	17,603	18	0.1%
12.3%	17,537	17,183	-354	-2.0%
13.6%	16,614	17,170	556	3.3%
14.8%	15,538	15,913	375	2.4%
16.0%	15,359	15,772	413	2.7%
17.3%	15,358	15,393	35	0.2%
18.5%	15,056	15,277	220	1.5%
19.8%	14,939	15,114	175	1.2%
21.0%	14,828	15,077	249	1.7%
22.2%	14,687	14,939	251	1.7%
23.5%	14,232	14,757	525	3.7%
24.7%	13,989	14,748	760	5.4%
25.9%	13,459	14,746	1,287	9.6%
27.2%	13,693	14,542	849	6.2%
28.4%	13,586	14,434	847	6.2%
29.6%	13,582	14,219	637	4.7%
30.9%	13,530	14,147	616	4.6%
32.1%	13,241	14,105	864	6.5%
33.3%	13,192	13,986	794	6.0%
34.6%	13,054	13,773	720	5.5%
35.8%	12,949	13,739	790	6.1%
37.0%	12,382	13,697	1,315	10.6%
38.3%	12,364	13,691	1,327	10.7%
39.5%	12,187	13,582	1,395	11.5%
40.7%	11,833	13,556	1,723	14.6%
42.0%	11,618	13,508	1,890	16.3%
43.2%	11,617	13,504	1,886	16.2%
44.4%	11,533	13,185	1,653	14.3%
45.7%	11,477	12,978	1,501	13.1%
46.9%	11,338	12,616	1,279	11.3%
48.1%	11,319	12,341	1,022	9.0%
49.4%	11,132	12,142	1,010	9.1%
50.6%	10,814	11,932	1,118	10.3%
51.9%	10,363	11,863	1,499	14.5%
53.1%	10,203	11,640	1,437	14.1%
54.3%	10,153	11,415	1,261	12.4%
55.6%	9,867	11,347	1,480	15.0%
56.8%	9,863	11,286	1,424	14.4%
58.0%	9,693	11,141	1,448	14.9%
59.3%	9,620	11,040	1,420	14.8%
60.5%	9,499	10,888	1,387	14.6%
61.7%	9,454	10,570	1,116	11.8%
63.0%	9,257	10,354	1,097	11.8%
64.2%	9,038	10,083	1,045	11.6%
65.4%	8,974	10,006	1,032	11.5%
66.7%	8,972	9,957	985	11.0%
67.9%	8,603	9,465	862	10.0%
69.1%	8,370	8,891	521	6.2%
70.4%	8,141	8,846	704	8.6%
71.6%	7,635	8,783	1,147	15.0%
72.8%	7,464	8,777	1,313	17.6%
74.1%	7,406	8,664	1,257	17.0%
75.3%	7,401	8,566	1,165	15.7%
76.5%	7,380	8,552	1,172	15.9%
77.8%	7,283	8,198	915	12.6%
79.0%	7,105	8,030	924	13.0%
80.2%	7,029	7,795	766	10.9%
81.5%	6,935	7,496	561	8.1%
82.7%	6,787	7,484	696	10.3%
84.0%	6,708	7,255	547	8.2%
85.2%	6,687	7,217	531	7.9%
86.4%	6,540	7,066	526	8.0%
87.7%	6,383	6,802	419	6.6%
88.9%	6,382	6,665	283	4.4%
90.1%	6,366	6,519	153	2.4%
91.4%	6,359	6,419	60	0.9%
92.6%	6,345	6,322	-24	-0.4%
93.8%	6,284	6,262	-22	-0.4%
95.1%	6,571	6,073	-502	-9.0%
96.3%	5,544	5,941	396	7.1%
97.5%	5,421	5,538	117	2.2%
98.8%	4,483	5,495	612	12.5%
100.0%	4,426	5,240	813	18.4%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	62,305	62,319	15	0.0%
1.2%	56,655	54,685	-2,160	-3.8%
2.5%	55,804	54,379	-1,425	-2.6%
3.7%	53,645	53,594	-51	-0.1%
4.9%	49,549	49,499	-51	-0.1%
6.2%	47,680	46,877	-803	-1.7%
7.4%	46,509	46,509	-93	-0.2%
8.6%	41,658	39,396	-2,262	-5.4%
9.9%	39,568	38,749	-820	-2.1%
11.1%	39,070	38,165	-905	-2.3%
12.3%	38,714	35,527	-3,187	-8.2%
13.6%	35,411	35,426	15	0.0%
14.8%	34,559	34,642	84	0.2%
16.0%	31,082	32,807	1,725	5.5%
17.3%	30,613	31,797	1,184	3.9%
18.5%	30,317	30,017	-300	-1.0%
19.8%	30,228	27,103	-3,125	-10.3%
21.0%	29,838	26,862	-2,976	-9.6%
22.2%	29,106	26,371	-2,734	-9.4%
23.5%	25,261	22,133	-3,127	-12.4%
24.7%	24,054	21,610	-2,444	-10.2%
25.9%	21,463	20,549	-914	-4.3%
27.2%	20,805	18,559	-2,246	-10.8%
28.4%	20,615	18,045	-2,571	-12.5%
29.6%	19,773	18,036	-1,737	-8.8%
30.9%	18,306	16,945	-1,361	-7.4%
32.1%	19,070	16,574	-2,496	-13.1%
33.3%	17,598	16,258	-1,340	-7.6%
34.6%	16,818	15,845	-972	-5.8%
35.8%	16,419	15,198	-1,221	-7.4%
37.0%	16,185	14,887	-1,297	-8.0%
38.3%	16,177	14,840	-1,337	-8.3%
39.5%	15,904	14,326	-1,578	-9.9%
40.7%	15,181	14,144	-1,037	-6.8%
42.0%	14,796	13,890	-906	-6.1%
43.2%	14,543	13,796	-747	-5.1%
44.4%	14,337	13,708	-629	-4.4%
45.7%	14,298	13,704	-594	-4.2%
46.9%	14,028	13,279	-749	-5.3%
48.1%	13,779	13,116	-663	-4.8%
49.4%	13,596	13,032	-564	-4.1%
50.6%	13,624	13,026	-598	-4.4%
51.9%	12,514	12,542	28	0.2%
53.1%	12,385	12,533	148	1.2%
54.3%	12,109	12,426	316	2.6%
55.6%	11,932	12,262	330	2.8%
56.8%	11,888	12,018	130	1.1%
58.0%	11,865	11,881	16	0.1%
59.3%	11,862	11,966	104	0.9%
60.5%	11,811	11,751	-60	-0.5%
61.7%	11,792	11,734	-58	-0.5%
63.0%	11,711	11,588	-123	-1.1%
64.2%	11,616	11,587	-28	-0.2%
65.4%	11,391	11,373	-18	-0.2%
66.7%	11,194	11,322	128	1.1%
67.9%	11,161	11,291	129	1.2%
69.1%	11,031	11,227	196	1.8%
70.4%	10,776	10,957	181	1.7%
71.6%	10,574	10,913	339	3.2%
72.8%	10,476	10,853	377	3.6%
74.1%	10,291	10,741	451	4.4%
75.3%	10,198	10,227	29	0.3%
76.5%	9,965	10,136	171	1.7%
77.8%	9,939	9,959	19	0.2%
79.0%	9,906	9,825	-81	-0.8%
80.				

Table SW-16-3b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	72,468	72,308	-160	-0.2%
1.2%	66,154	66,368	214	0.3%
2.5%	65,164	64,686	-477	-0.7%
3.7%	62,890	62,889	-1	0.0%
4.9%	60,471	60,477	6	0.0%
6.2%	60,156	60,150	-6	0.0%
7.4%	59,962	60,009	47	0.2%
8.6%	59,746	59,817	70	0.1%
9.9%	59,569	59,056	-513	-0.9%
11.1%	58,689	58,115	-573	-1.0%
12.3%	58,133	57,477	-656	-1.1%
13.6%	57,369	57,101	-267	-0.5%
14.8%	56,117	56,120	3	0.0%
16.0%	55,772	55,775	4	0.0%
17.3%	55,519	55,521	2	0.0%
18.5%	54,896	54,870	-26	0.0%
19.8%	52,352	50,992	-1,360	-2.6%
21.0%	49,847	48,465	-1,381	-2.8%
22.2%	49,215	48,422	-793	-1.6%
23.5%	48,454	47,992	-463	-1.0%
24.7%	44,871	44,214	-657	-1.5%
25.9%	43,928	43,927	-1	0.0%
27.2%	42,987	42,928	-58	-0.1%
28.4%	42,519	41,329	-1,191	-2.8%
29.6%	42,409	40,811	-1,598	-3.8%
30.9%	42,397	40,216	-2,180	-5.1%
32.1%	41,728	40,175	-1,553	-3.7%
33.3%	41,486	39,435	-2,051	-4.9%
34.6%	41,017	39,243	-1,774	-4.3%
35.8%	40,554	39,137	-1,417	-3.5%
37.0%	40,214	38,469	-1,745	-4.3%
38.3%	39,676	37,238	-2,438	-6.1%
39.5%	37,562	36,938	-624	-1.7%
40.7%	36,607	33,280	-3,327	-9.1%
42.0%	33,680	32,525	-1,155	-3.4%
43.2%	32,515	29,762	-2,754	-8.5%
44.4%	31,855	29,415	-2,440	-7.7%
45.7%	31,822	27,667	-4,155	-13.1%
46.9%	29,172	26,700	-2,472	-8.5%
48.1%	28,899	26,259	-3,640	-12.6%
49.4%	28,630	23,663	-3,146	-11.7%
50.6%	26,563	23,489	-3,075	-11.6%
51.9%	25,250	22,560	-2,691	-10.7%
53.1%	24,612	22,492	-2,120	-8.6%
54.3%	24,586	21,859	-2,727	-11.1%
55.6%	23,530	21,493	-2,036	-8.7%
56.8%	21,906	20,456	-1,450	-6.6%
58.0%	21,025	19,689	-1,336	-6.4%
59.3%	21,000	19,541	-1,459	-6.9%
60.5%	20,902	18,449	-2,452	-11.7%
61.7%	20,768	18,151	-2,617	-12.6%
63.0%	20,660	17,148	-3,512	-17.0%
64.2%	18,452	16,615	-1,837	-10.0%
65.4%	18,376	16,274	-2,102	-11.4%
66.7%	18,012	15,535	-2,477	-13.8%
67.9%	17,441	15,188	-2,253	-12.9%
69.1%	15,998	15,181	-817	-5.1%
70.4%	15,461	14,880	-581	-3.8%
71.6%	14,449	14,538	90	0.6%
72.8%	14,172	12,844	-1,328	-9.4%
74.1%	14,022	12,689	-1,334	-9.5%
75.3%	13,968	12,511	-1,457	-10.4%
76.5%	13,510	12,254	-1,256	-9.3%
77.8%	13,257	12,175	-1,082	-8.2%
79.0%	12,951	12,136	-815	-6.3%
80.2%	12,600	11,957	-643	-5.1%
81.5%	12,061	11,746	-315	-2.6%
82.7%	12,021	11,672	-349	-2.9%
84.0%	11,755	11,097	-658	-5.6%
85.2%	11,652	11,081	-571	-4.9%
86.4%	11,579	10,684	-895	-7.7%
87.7%	10,754	10,682	-72	-0.7%
88.9%	10,594	10,633	38	0.4%
90.1%	10,242	10,610	368	3.6%
91.4%	10,061	10,524	463	4.6%
92.6%	10,011	10,256	245	2.4%
93.8%	9,587	10,181	6,594	6.9%
95.1%	9,174	9,193	19	0.2%
96.3%	7,894	8,994	1,100	13.9%
97.5%	7,300	8,174	874	12.0%
98.8%	7,196	7,800	604	8.4%
100.0%	7,145	7,353	208	2.9%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	69,020	69,020	0	0.0%
1.2%	67,780	67,662	-118	-0.2%
2.5%	62,646	62,848	2	0.0%
3.7%	60,526	60,055	-471	-0.8%
4.9%	59,935	59,934	-1	0.0%
6.2%	59,029	58,887	-143	-0.2%
7.4%	58,985	58,020	-965	-1.6%
8.6%	56,288	56,286	-2	0.0%
9.9%	55,196	55,199	3	0.0%
11.1%	53,009	52,648	-361	-0.7%
12.3%	52,729	52,394	-335	-0.6%
13.6%	52,645	52,072	-573	-1.1%
14.8%	51,481	51,224	-256	-0.5%
16.0%	48,607	48,601	-6	0.0%
17.3%	47,761	47,766	5	0.0%
18.5%	47,686	47,688	3	0.0%
19.8%	47,084	44,823	-2,261	-4.8%
21.0%	43,472	43,710	238	0.5%
22.2%	42,480	42,473	-7	0.0%
23.5%	41,370	41,387	17	0.0%
24.7%	40,719	40,490	-229	-0.6%
25.9%	39,344	40,481	1,137	2.9%
27.2%	39,138	38,360	-778	-2.0%
28.4%	36,506	35,518	-988	-2.7%
29.6%	36,360	32,528	-3,832	-10.5%
30.9%	36,184	32,513	-3,671	-10.1%
32.1%	35,730	31,892	-3,838	-10.7%
33.3%	33,486	31,771	-1,715	-5.1%
34.6%	32,475	30,648	-1,827	-5.6%
35.8%	31,123	30,618	-504	-1.6%
37.0%	30,698	30,243	-455	-1.5%
38.3%	28,632	28,521	-111	-0.4%
39.5%	30,209	28,305	-1,905	-6.3%
40.7%	28,606	27,923	-684	-2.4%
42.0%	27,915	25,676	-2,239	-8.0%
43.2%	26,733	24,844	-1,889	-7.1%
44.4%	25,243	24,041	-1,203	-4.8%
45.7%	25,089	23,618	-1,471	-5.9%
46.9%	23,630	23,079	-551	-2.3%
48.1%	23,262	22,486	-776	-3.3%
49.4%	23,162	22,001	-1,161	-5.0%
50.6%	23,048	21,844	-1,204	-5.2%
51.9%	22,820	21,100	-1,720	-7.5%
53.1%	21,105	19,384	-1,721	-8.2%
54.3%	21,095	19,210	-1,885	-8.9%
55.6%	20,277	18,546	-1,731	-8.5%
56.8%	19,996	18,228	-1,768	-8.8%
58.0%	19,075	18,164	-910	-4.8%
59.3%	19,812	18,104	-1,708	-8.6%
60.5%	19,507	17,610	-1,897	-9.7%
61.7%	19,216	16,596	-2,620	-13.6%
63.0%	18,715	15,287	-3,428	-18.3%
64.2%	18,557	15,077	-3,480	-18.8%
65.4%	18,211	14,491	-3,719	-20.4%
66.7%	17,748	14,273	-3,475	-19.6%
67.9%	17,045	14,232	-2,813	-16.5%
69.1%	17,036	13,996	-3,040	-17.8%
70.4%	16,498	13,724	-2,773	-16.8%
71.6%	15,937	13,629	-2,308	-14.5%
72.8%	15,635	13,343	-2,292	-14.7%
74.1%	15,151	12,180	-2,971	-19.6%
75.3%	14,592	12,023	-2,569	-17.6%
76.5%	14,212	12,020	-2,192	-15.4%
77.8%	14,081	11,981	-2,100	-14.9%
79.0%	12,843	11,918	-925	-7.2%
80.2%	12,476	11,640	-836	-6.7%
81.5%	12,119	11,301	-819	-6.8%
82.7%	11,984	11,148	-836	-7.0%
84.0%	11,375	11,104	-271	-2.4%
85.2%	11,169	10,960	-209	-1.9%
86.4%	10,581	10,782	200	1.9%
87.7%	10,540	9,926	-614	-5.8%
88.9%	10,296	9,814	-482	-4.7%
90.1%	9,636	9,798	162	1.7%
91.4%	9,394	9,372	-22	-0.2%
92.6%	9,079	8,945	-134	-1.5%
93.8%	8,435	8,435	0	0.0%
95.1%	7,823	8,332	509	6.5%
96.3%	7,846	8,318	472	6.0%
97.5%	7,501	8,024	522	7.0%
98.8%	6,926	7,498	572	8.3%
100.0%	6,558	6,945	387	5.9%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	59,606	59,607	1	0.0%
1.2%	56,952	56,952	-2	0.0%
2.5%	53,968	53,965	-3	0.0%
3.7%	49,215	48,835	-380	-0.6%
4.9%	48,934	48,894	-40	-0.1%
6.2%	48,893	48,429	-464	-0.9%
7.4%	48,425	47,532	-893	-1.8%
8.6%	46,353	46,347	-6	0.0%
9.9%	45,645	45,646	1	0.0%
11.1%	42,911	41,409	-1,502	-3.5%
12.3%	38,249	38,255	6	0.0%
13.6%	35,500	35,491	-9	0.0%
14.8%	34,515	34,498	-17	0.0%
16.0%	34,097	34,083	-14	0.0%
17.3%	33,157	32,689	-468	-1.4%
18.5%	32,674	30,224	-2,450	-7.5%
19.8%	32,557	29,639	-2,919	-9.0%
21.0%	30,211	29,004	-1,207	-4.0%
22.2%	29,004	27,644	-1,360	-4.7%
23.5%	28,444	27,105	-1,339	-4.7%
24.7%	26,464	26,570	106	0.4%
25.9%	22,507	22,057	-450	-2.0%
27.2%	22,081	21,449	-632	-2.9%
28.4%	21,461	20,196	-1,265	-5.9%
29.6%	19,562	19,760	198	1.0%
30.9%	19,273	19,569	296	1.5%
32.1%	18,209	18,320	111	0.6%
33.3%	18,208	17,828	-380	-2.1%
34.6%	17,828	17,602	-226	-1.3%
35.8%	17,528	16,178	-1,350	-7.7%
37.0%	16,833	15,989	-845	-5.0%
38.3%	16,598	16,434	-164	-1.0%
39.5%	16,551	15,247	-1,304	-7.9%
40.7%	16,299	15,051	-1,248	-7.7%
42.0%	15,433	14,779	-654	-4.2%
43.2%	15,241	14,723	-518	-3.4%
44.4%	14,953	14,717	-236	-1.6%
45.7%	14,749	14,531	-217	-1.5%
46.9%	14,006	14,011	4	0.0%
48.1%	13,819	13,821	2	0.0%
49.4%	13,599	13,670	71	0.5%
50.6%	13,499	13,499	0	0.0%
51.9%	13,219	13,301	82	0.6%
53.1%	11,828	12,560	732	6.2%
54.3%	11,699	12,141	442	3.8%
55.6%	11,482	12,103	621	5.4%
56.8%	11,473	11,513	39	0.3%
58.0%	10,804	11,475	672	6.2%
59.3%	10,618	10,808	190	1.8%
60.5%	10,600	10,807	206	1.9%
61.7%	10,559	10,602	42	0.4%
63.0%	10,456	10,562	106	1.0%
64.2%	10,407	10,561	154	1.5%
65.4%	10,367	10,546	180	1.7%
66.7%	10,350	10,372	22	0.2%
67.9%	10,249	10,298	49	0.5%
69.1%	10,051	10,251	200	2.0%
70.4%	10,047	10,090	43	0.4%
71.6%	9,995	9,989	-6	-0.1%
72.8%	9,798	9,757	-42	-0.4%
74.1%	9,762	9,616	-146	-1.5%
75.3%	9,499	9,504	5	0.1%
76.5%	9,202	9,196	-6	-0.1%
77.8%	9,116	9,104	-11	

Table SW-16-3b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	49,597	49,512	-85	-0.2%
0.2%	21,192	21,206	14	0.0%
2.5%	27,160	28,377	1,218	4.5%
3.7%	27,034	27,995	961	3.6%
4.9%	25,878	26,486	608	2.3%
6.2%	25,748	26,346	598	2.3%
7.4%	24,073	24,146	73	0.3%
8.6%	21,010	21,909	899	4.3%
9.9%	19,784	19,916	132	0.7%
11.1%	18,586	18,813	226	1.2%
12.3%	18,058	18,371	313	1.7%
13.6%	17,874	17,952	77	0.4%
14.8%	16,193	16,689	497	3.1%
16.0%	15,048	15,983	934	6.2%
17.3%	14,863	15,683	820	5.5%
18.5%	14,560	14,888	328	2.3%
19.8%	14,386	14,855	469	3.3%
21.0%	13,760	14,669	910	6.6%
22.2%	13,202	14,115	913	6.9%
23.5%	13,115	13,350	235	1.8%
24.7%	13,077	13,309	232	1.8%
25.9%	12,864	13,089	225	1.8%
27.2%	12,607	12,998	391	3.1%
28.4%	12,476	12,836	360	2.9%
29.6%	12,456	12,685	229	1.8%
30.9%	12,434	12,464	30	0.2%
32.1%	12,428	12,369	-59	-0.5%
33.3%	12,211	12,199	-13	-0.1%
34.6%	11,947	12,147	201	1.7%
35.8%	11,693	12,138	444	3.8%
37.0%	11,667	12,051	384	3.3%
38.3%	11,557	11,829	273	2.4%
39.5%	11,402	11,779	377	3.3%
40.7%	11,291	11,772	481	4.3%
42.0%	11,279	11,755	476	4.2%
43.2%	11,202	11,745	543	4.8%
44.4%	11,142	11,687	545	4.9%
45.7%	11,123	11,554	431	3.9%
46.9%	11,105	11,457	352	3.2%
48.1%	11,079	11,383	305	2.7%
49.4%	11,034	11,366	332	3.0%
50.6%	10,928	11,334	406	3.7%
51.9%	10,867	11,322	455	4.2%
53.1%	10,836	11,287	450	4.2%
54.3%	10,773	11,240	467	4.3%
55.6%	10,488	11,200	712	6.8%
56.8%	10,315	11,194	880	8.5%
58.0%	10,150	11,177	1,027	10.1%
59.3%	10,146	11,102	956	9.4%
60.5%	9,982	11,099	1,118	11.2%
61.7%	9,931	10,926	995	10.0%
63.0%	9,802	10,921	1,120	11.4%
64.2%	9,799	10,917	1,118	11.4%
65.4%	9,782	10,645	863	8.8%
66.7%	9,747	10,612	865	8.9%
67.9%	9,741	10,418	676	6.9%
69.1%	9,717	10,401	684	7.0%
70.4%	9,649	10,400	751	7.8%
71.6%	9,610	10,283	674	7.0%
72.8%	9,597	10,207	610	6.4%
74.1%	9,570	10,111	540	5.6%
75.3%	9,543	10,024	481	5.0%
76.5%	9,542	10,003	461	4.8%
77.8%	9,494	9,999	505	5.3%
79.0%	9,386	9,998	613	6.5%
80.2%	9,249	9,958	709	7.7%
81.5%	9,213	9,853	641	7.0%
82.7%	9,192	9,823	631	6.9%
84.0%	9,182	9,797	614	6.7%
85.2%	9,081	9,473	392	4.3%
86.4%	8,837	9,356	719	8.3%
87.7%	8,500	9,070	471	5.5%
88.9%	8,426	8,859	433	5.1%
90.1%	8,356	8,803	447	5.3%
91.4%	8,324	8,783	460	5.5%
92.6%	8,310	8,751	440	5.3%
93.8%	8,310	8,727	417	5.0%
95.1%	8,182	8,165	-17	-0.2%
96.3%	8,106	8,145	38	0.5%
97.5%	7,993	7,954	-38	-0.5%
98.8%	7,937	7,729	-208	-2.6%
100.0%	7,710	7,638	-72	-0.9%

Percent Exceedance Probability	July		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	19,895	22,836	2,741	13.8%
0.2%	19,581	21,680	2,309	11.8%
2.5%	19,550	21,750	2,200	11.3%
3.7%	19,485	21,718	2,233	11.5%
4.9%	19,277	21,653	2,376	12.3%
6.2%	19,142	21,817	2,475	12.9%
7.4%	18,832	21,655	2,723	14.5%
8.6%	18,797	21,513	2,716	14.4%
9.9%	18,797	21,464	2,667	14.2%
11.1%	18,720	21,354	2,635	14.1%
12.3%	18,688	21,206	2,518	13.5%
13.6%	18,654	20,657	1,902	10.2%
14.8%	18,511	20,538	2,027	11.0%
16.0%	18,504	20,321	1,817	9.8%
17.3%	18,498	20,316	1,819	9.8%
18.5%	18,431	20,200	1,770	9.6%
19.8%	18,184	20,146	1,963	10.8%
21.0%	18,165	20,024	1,859	10.2%
22.2%	18,121	19,822	1,701	9.4%
23.5%	18,016	19,776	1,759	9.8%
24.7%	17,907	19,696	1,789	10.0%
25.9%	17,884	19,695	1,810	10.1%
27.2%	17,880	19,632	1,752	9.8%
28.4%	17,774	19,363	1,589	8.9%
29.6%	17,692	19,233	1,541	8.7%
30.9%	17,589	19,179	1,590	9.0%
32.1%	17,522	19,059	1,536	8.8%
33.3%	17,502	18,908	1,406	8.0%
34.6%	17,378	18,901	1,523	8.8%
35.8%	17,322	18,896	1,574	9.1%
37.0%	17,288	18,860	1,572	9.1%
38.3%	17,247	18,647	1,399	8.1%
39.5%	17,061	18,602	1,540	9.0%
40.7%	17,027	18,573	1,545	9.1%
42.0%	16,684	18,472	1,788	10.7%
43.2%	16,596	18,231	1,635	9.9%
44.4%	16,535	18,149	1,614	9.8%
45.7%	16,470	18,079	1,609	9.8%
46.9%	16,415	18,053	1,639	10.0%
48.1%	16,324	18,049	1,725	10.6%
49.4%	16,308	18,001	1,694	10.4%
50.6%	16,285	17,947	1,711	10.5%
51.9%	16,209	17,921	1,712	10.6%
53.1%	16,189	17,881	1,692	10.5%
54.3%	16,153	17,880	1,727	10.7%
55.6%	16,088	17,777	1,689	10.5%
56.8%	15,949	17,664	1,715	10.8%
58.0%	15,885	17,522	1,637	10.3%
59.3%	15,807	17,453	1,646	10.4%
60.5%	15,652	17,321	1,669	10.7%
61.7%	15,378	17,259	1,880	12.2%
63.0%	15,259	17,105	1,846	12.1%
64.2%	15,239	17,060	1,820	11.9%
65.4%	15,166	16,930	1,764	11.6%
66.7%	15,141	16,827	1,487	9.8%
67.9%	15,134	16,366	1,232	8.1%
69.1%	15,057	16,351	1,294	8.6%
70.4%	14,860	16,026	1,167	7.9%
71.6%	14,841	16,015	1,174	7.9%
72.8%	14,818	15,928	1,110	7.5%
74.1%	14,739	15,895	1,156	7.8%
75.3%	14,526	15,444	918	6.3%
76.5%	14,511	15,342	830	5.7%
77.8%	14,003	15,311	1,308	9.3%
79.0%	13,950	15,194	1,244	8.9%
80.2%	13,945	14,501	556	4.0%
81.5%	13,927	14,449	521	3.7%
82.7%	13,850	14,192	342	2.5%
84.0%	13,007	14,003	995	7.7%
85.2%	12,863	13,969	1,106	8.6%
86.4%	12,049	13,275	1,225	10.2%
87.7%	11,919	12,859	939	7.9%
88.9%	11,864	12,794	930	7.8%
90.1%	11,737	12,737	1,000	8.5%
91.4%	11,273	12,099	825	7.3%
92.6%	11,216	12,084	869	7.7%
93.8%	11,047	11,842	795	7.1%
95.1%	10,764	11,694	930	8.6%
96.3%	10,409	11,216	807	7.7%
97.5%	10,264	10,836	572	5.6%
98.8%	8,516	8,116	-400	-4.7%
100.0%	7,219	7,980	761	10.5%

Percent Exceedance Probability	August		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	17,892	18,878	985	5.5%
0.2%	17,868	18,816	78	0.4%
2.5%	17,235	17,632	397	2.3%
3.7%	16,949	17,623	674	4.0%
4.9%	16,030	17,233	1,203	7.5%
6.2%	15,647	17,108	1,460	9.3%
7.4%	15,546	17,032	1,486	9.6%
8.6%	15,479	16,753	1,273	8.2%
9.9%	15,472	16,682	1,210	7.8%
11.1%	15,434	16,663	1,230	8.0%
12.3%	15,180	16,654	1,474	9.7%
13.6%	14,976	16,639	1,663	11.1%
14.8%	14,783	16,537	1,754	11.9%
16.0%	14,692	15,874	1,182	8.0%
17.3%	14,636	15,838	1,203	8.2%
18.5%	14,592	15,808	1,216	8.3%
19.8%	14,572	15,745	1,173	8.1%
21.0%	14,453	15,570	1,117	7.7%
22.2%	14,382	15,569	1,187	8.3%
23.5%	14,100	15,264	1,163	8.2%
24.7%	14,086	15,100	1,014	7.2%
25.9%	14,057	14,928	872	6.2%
27.2%	13,977	14,863	886	6.3%
28.4%	13,953	14,829	876	6.3%
29.6%	13,783	14,449	667	4.8%
30.9%	13,778	14,342	563	4.1%
32.1%	12,716	14,273	557	4.1%
33.3%	13,709	14,190	481	3.5%
34.6%	13,662	14,176	514	3.8%
35.8%	13,657	14,165	509	3.7%
37.0%	13,510	14,113	602	4.5%
38.3%	13,509	14,071	562	4.2%
39.5%	13,473	13,900	428	3.2%
40.7%	13,433	13,807	374	2.8%
42.0%	13,413	13,732	319	2.4%
43.2%	13,398	13,722	324	2.4%
44.4%	13,371	13,681	310	2.3%
45.7%	13,300	13,589	289	2.2%
46.9%	13,205	13,551	346	2.6%
48.1%	13,149	13,334	185	1.4%
49.4%	13,145	13,118	-27	-0.2%
50.6%	13,060	13,060	0	0.0%
51.9%	12,905	13,074	169	1.3%
53.1%	12,734	12,961	228	1.8%
54.3%	12,727	12,882	156	1.2%
55.6%	12,558	12,841	283	2.3%
56.8%	12,300	12,761	461	3.8%
58.0%	12,298	12,633	335	2.7%
59.3%	12,259	12,405	145	1.2%
60.5%	12,234	12,235	1	0.0%
61.7%	12,061	12,093	32	0.3%
63.0%	12,019	11,930	-89	-0.7%
64.2%	11,964	11,867	-97	-0.8%
65.4%	11,954	11,642	-312	-2.6%
66.7%	11,907	11,595	-312	-2.6%
67.9%	11,820	11,586	-234	-2.0%
69.1%	11,521	11,516	-5	0.0%
70.4%	11,343	11,486	144	1.3%
71.6%	11,208	11,482	274	2.4%
72.8%	11,152	11,337	185	1.7%
74.1%	11,137	11,265	128	1.2%
75.3%	10,933	11,203	270	2.5%
76.5%	10,726	11,102		

Table SW-17-3a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	11,172	15,682	23,091	31,365	36,579	32,466	23,227	19,060	16,650	19,620	15,164	17,563
Alternative A	11,865	16,387	22,693	30,368	35,512	31,374	23,015	19,069	17,137	20,735	15,989	18,612
Difference	693	705	-397	-997	-1,067	-1,092	-212	8	487	1,115	825	1,049
Percent Difference ³	6.2%	4.5%	-1.7%	-3.2%	-2.9%	-3.4%	-0.9%	0.0%	2.9%	5.7%	5.4%	6.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	13,338	20,484	25,564	50,411	56,680	49,433	37,987	31,825	23,961	20,124	16,085	27,628
Alternative A	14,639	20,982	24,865	49,851	55,920	49,174	37,844	31,867	24,655	21,162	16,285	28,431
Difference	1,301	498	-700	-560	-760	-259	-143	42	694	1,038	201	803
Percent Difference	9.8%	2.4%	-2.7%	-1.1%	-1.3%	-0.5%	-0.4%	0.1%	2.9%	5.2%	1.2%	2.9%
Above Normal (15%)												
No Action Alternative	11,935	17,421	24,224	38,198	44,607	43,898	26,018	20,801	16,641	22,067	16,588	20,659
Alternative A	12,555	18,628	22,960	36,479	43,127	43,191	25,637	20,719	17,051	23,628	16,750	21,409
Difference	620	1,207	-1,264	-1,719	-1,480	-706	-382	-82	409	1,561	161	750
Percent Difference	5.2%	6.9%	-5.2%	-4.5%	-3.3%	-1.6%	-1.5%	-0.4%	2.5%	7.1%	1.0%	3.6%
Below Normal (17%)												
No Action Alternative	11,731	16,232	27,522	22,823	30,766	23,248	17,458	14,007	13,725	21,453	15,848	12,256
Alternative A	12,515	17,248	27,995	20,637	29,969	21,392	17,240	13,822	14,451	22,567	16,428	13,867
Difference	784	1,016	473	-2,186	-797	-1,856	-219	-186	726	1,114	590	1,611
Percent Difference	6.7%	6.3%	1.7%	-9.8%	-2.6%	-8.0%	-1.3%	-1.3%	5.3%	5.2%	3.7%	13.1%
Dry (22%)												
No Action Alternative	9,495	12,396	22,286	17,254	21,222	20,408	13,167	10,883	12,636	19,263	15,856	11,256
Alternative A	9,531	13,199	22,293	16,484	19,749	18,071	12,788	10,998	12,901	20,441	17,395	12,440
Difference	37	803	7	-769	-1,473	-2,337	-379	114	264	1,178	1,539	1,184
Percent Difference	0.4%	6.5%	0.0%	-4.5%	-6.9%	-11.5%	-2.9%	1.1%	2.1%	6.1%	9.7%	10.5%
Critical (15%)												
No Action Alternative	7,580	7,826	12,634	14,400	14,816	13,115	10,275	7,824	10,256	14,478	9,913	8,310
Alternative A	7,909	7,969	12,136	14,222	13,789	12,591	10,342	7,917	10,424	15,219	11,967	9,334
Difference	329	143	-498	-178	-1,026	-524	67	93	168	741	2,054	1,024
Percent Difference	4.3%	1.8%	-3.9%	-1.2%	-6.9%	-4.0%	0.7%	1.2%	1.6%	5.1%	20.7%	12.3%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

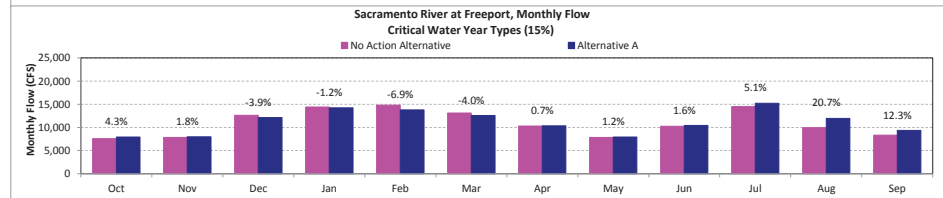
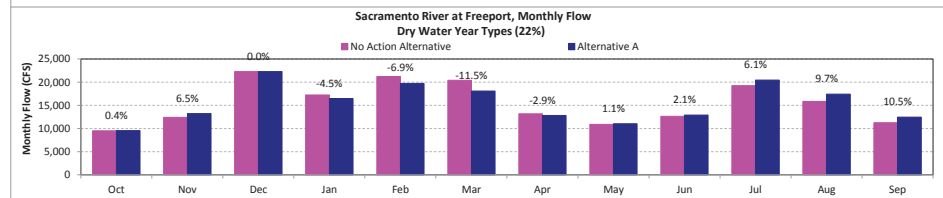
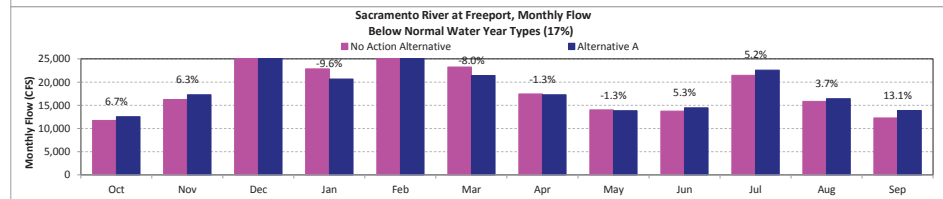
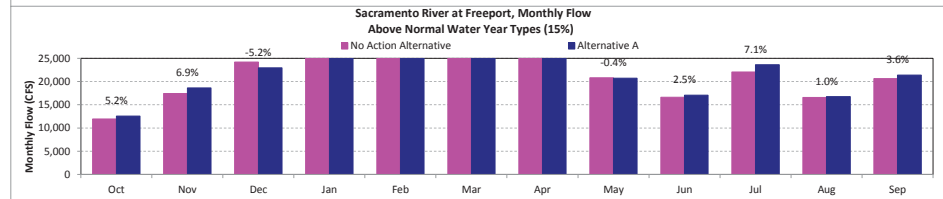
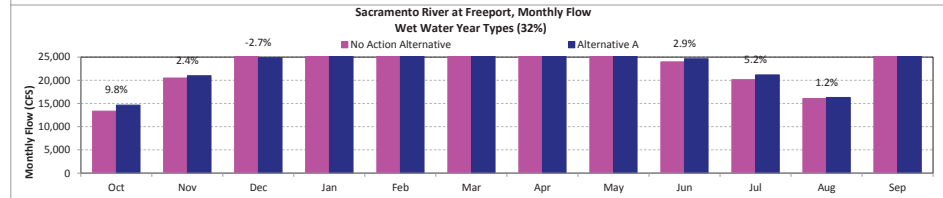
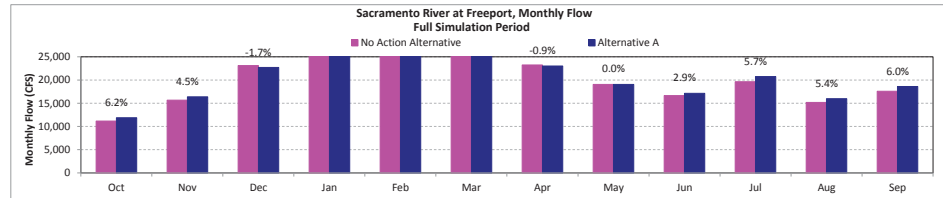


Figure SW-17-3b
Sacramento River at Freepport, Monthly Flow
Probability of Exceedance

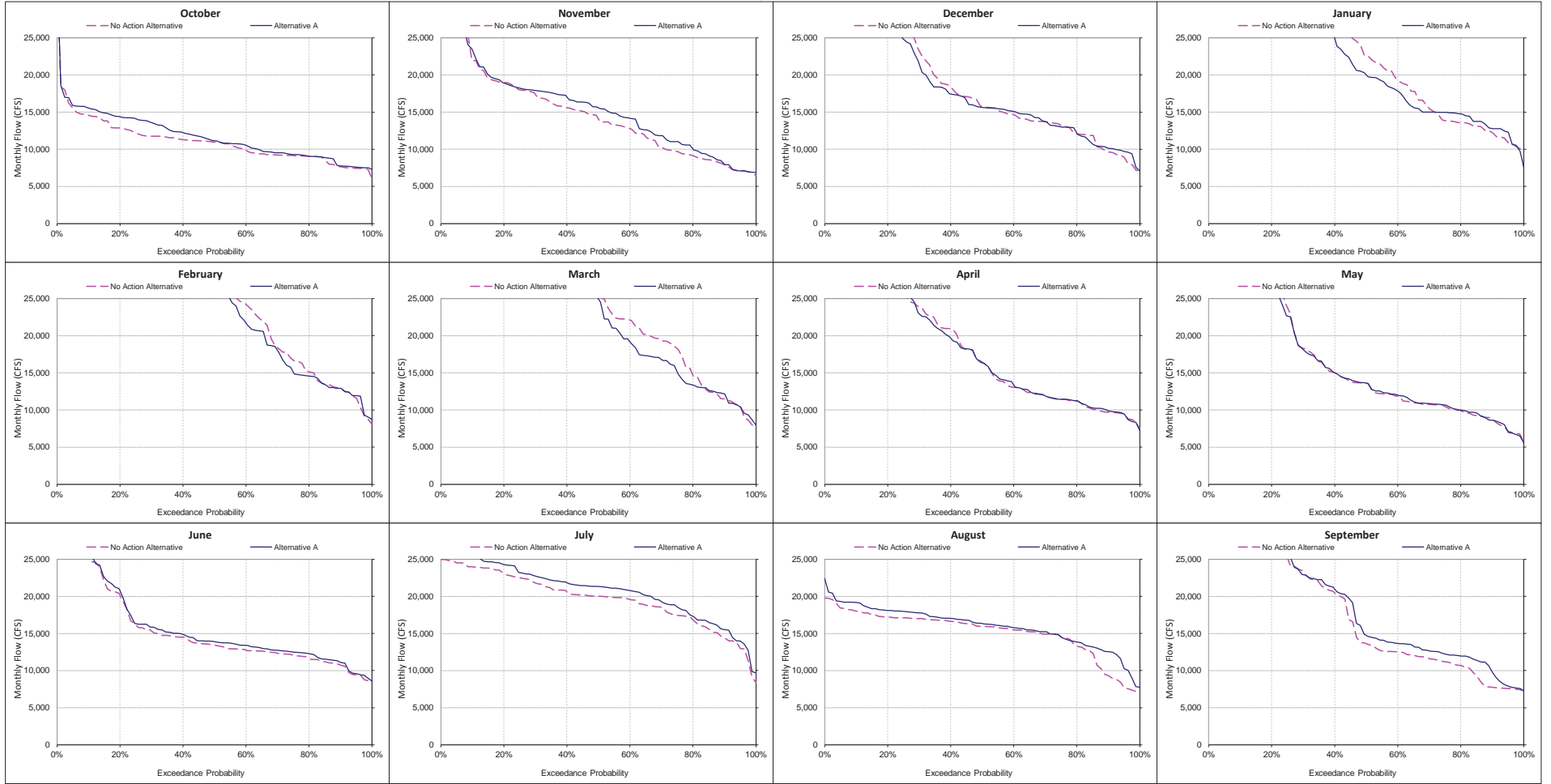


Table SW-17-3b
Sacramento River at Freepoint, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	33,173	35,230	2,057	6.2%
0.2%	16,408	18,617	2,209	13.5%
2.5%	18,000	16,985	-1,015	-5.6%
3.7%	16,227	16,965	738	4.5%
4.9%	15,586	15,911	325	2.1%
6.2%	14,995	15,828	831	5.5%
7.4%	14,785	15,704	919	7.0%
8.6%	14,742	15,770	1,028	7.0%
9.9%	14,603	15,566	963	6.6%
11.1%	14,455	15,411	956	6.6%
12.3%	14,410	15,334	924	6.4%
13.6%	14,237	15,029	792	5.6%
14.8%	13,836	14,887	1,050	7.6%
16.0%	13,810	14,817	1,007	7.3%
17.3%	12,912	14,641	1,728	13.4%
18.5%	12,892	14,435	1,543	12.0%
19.8%	12,887	14,414	1,527	11.8%
21.0%	12,760	14,263	1,504	11.8%
22.2%	12,683	14,254	1,572	12.4%
23.5%	12,516	14,233	1,717	13.7%
24.7%	12,245	14,155	1,910	15.6%
25.9%	12,026	13,969	1,942	16.1%
27.2%	11,856	13,895	2,039	17.2%
28.4%	11,789	13,841	2,052	17.4%
29.6%	11,775	13,655	1,880	16.0%
30.9%	11,772	13,467	1,715	14.6%
32.1%	11,771	13,253	1,482	12.6%
33.3%	11,726	13,235	1,509	12.9%
34.6%	11,640	12,908	1,268	10.9%
35.8%	11,549	12,574	1,025	8.9%
37.0%	11,538	12,362	845	7.3%
38.3%	11,418	12,068	951	8.3%
39.5%	11,318	12,309	991	8.8%
40.7%	11,257	12,158	900	8.0%
42.0%	11,200	12,044	844	7.5%
43.2%	11,169	11,912	744	6.7%
44.4%	11,152	11,813	660	5.9%
45.7%	11,141	11,701	560	5.0%
46.9%	11,138	11,521	383	3.4%
48.1%	11,063	11,347	284	2.6%
49.4%	11,002	11,185	183	1.7%
50.6%	10,936	11,143	207	1.9%
51.9%	10,918	10,918	0	0.0%
53.1%	10,755	10,816	62	0.6%
54.3%	10,748	10,803	55	0.5%
55.6%	10,480	10,754	295	2.8%
56.8%	10,290	10,743	453	4.4%
58.0%	10,109	10,730	620	6.1%
59.3%	10,108	10,629	521	5.2%
60.5%	9,696	10,443	747	7.7%
61.7%	9,531	10,147	616	6.5%
63.0%	9,482	10,070	589	6.2%
64.2%	9,400	9,946	546	5.8%
65.4%	9,396	9,686	291	3.1%
66.7%	9,281	9,674	393	4.2%
67.9%	9,271	9,632	361	3.9%
69.1%	9,239	9,536	297	3.2%
70.4%	9,229	9,535	307	3.3%
71.6%	9,207	9,515	309	3.4%
72.8%	9,182	9,419	236	2.6%
74.1%	9,164	9,313	149	1.6%
75.3%	9,149	9,279	131	1.4%
76.5%	9,123	9,271	148	1.6%
77.8%	9,112	9,219	108	1.2%
79.0%	9,077	9,149	72	0.8%
80.2%	9,066	9,041	-24	-0.3%
81.5%	9,024	9,024	0	0.0%
82.7%	8,995	8,995	0	0.0%
84.0%	8,973	8,954	-19	-0.2%
85.2%	8,442	8,865	423	5.0%
86.4%	8,003	8,797	794	9.9%
87.7%	7,942	8,718	776	9.8%
88.9%	7,702	8,726	1,024	13.3%
90.1%	7,655	8,758	1,103	14.3%
91.4%	7,535	8,723	1,188	15.6%
92.6%	7,496	8,710	1,214	16.2%
93.8%	7,471	8,653	1,182	15.8%
95.1%	7,433	8,567	1,134	15.3%
96.3%	7,435	8,530	1,095	14.7%
97.5%	7,417	8,525	1,108	15.0%
98.8%	7,254	8,500	1,246	17.1%
100.0%	5,947	7,306	1,359	22.8%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	54,737	54,541	-197	-0.4%
1.2%	48,575	47,618	-957	-2.0%
2.5%	47,715	46,291	-1,424	-3.0%
3.7%	36,242	34,651	-1,591	-4.4%
4.9%	32,262	31,407	-855	-2.7%
6.2%	26,903	26,430	-473	-1.8%
7.4%	25,756	25,368	-388	-1.5%
8.6%	25,325	24,058	-1,267	-5.0%
9.9%	21,956	23,514	1,558	7.1%
11.1%	21,954	22,224	270	1.2%
12.3%	20,776	21,108	332	1.6%
13.6%	20,598	21,071	473	2.3%
14.8%	19,628	20,144	516	2.6%
16.0%	19,369	19,674	305	1.6%
17.3%	19,239	19,520	281	1.5%
18.5%	19,052	19,369	318	1.7%
19.8%	18,997	18,942	-55	-0.3%
21.0%	18,984	18,792	-191	-1.0%
22.2%	18,774	18,554	-220	-1.2%
23.5%	18,396	18,425	29	0.2%
24.7%	18,035	18,272	237	1.3%
25.9%	17,954	18,136	181	1.0%
27.2%	17,950	18,030	81	0.4%
28.4%	17,754	17,994	241	1.4%
29.6%	17,626	17,942	315	1.8%
30.9%	16,889	17,873	984	5.8%
32.1%	16,881	17,817	936	5.5%
33.3%	16,769	17,731	962	5.7%
34.6%	16,441	17,661	1,220	7.4%
35.8%	16,074	17,527	1,453	9.0%
37.0%	15,845	17,380	1,535	9.7%
38.3%	15,816	17,316	1,501	9.5%
39.5%	15,602	17,293	1,691	10.8%
40.7%	15,550	16,649	1,099	7.1%
42.0%	15,404	16,563	1,159	7.5%
43.2%	15,224	16,384	1,160	7.6%
44.4%	15,197	16,381	1,184	7.8%
45.7%	15,052	16,248	1,196	7.9%
46.9%	14,715	16,218	1,504	10.2%
48.1%	14,682	15,747	1,065	7.3%
49.4%	14,551	15,702	1,151	7.9%
50.6%	14,436	15,651	1,215	8.4%
51.9%	14,643	15,441	798	5.4%
53.1%	13,669	15,066	1,397	10.2%
54.3%	13,255	14,872	1,617	12.2%
55.6%	13,247	14,851	1,604	12.1%
56.8%	13,201	14,499	1,299	9.8%
58.0%	13,050	14,307	1,257	9.6%
59.3%	12,886	14,256	1,369	10.6%
60.5%	12,707	14,122	1,415	11.1%
61.7%	12,187	14,057	1,870	15.3%
63.0%	12,171	12,779	608	5.0%
64.2%	12,062	12,646	584	4.8%
65.4%	11,505	12,600	1,095	9.5%
66.7%	11,222	12,604	1,382	12.3%
67.9%	11,186	11,824	638	5.7%
69.1%	10,272	11,835	1,563	15.2%
70.4%	10,200	11,819	1,619	15.9%
71.6%	9,958	11,284	1,326	13.3%
72.8%	9,863	11,024	1,161	11.8%
74.1%	9,763	11,023	1,260	12.9%
75.3%	9,683	11,023	1,340	13.8%
76.5%	9,385	10,645	1,260	13.4%
77.8%	9,339	10,591	1,252	13.4%
79.0%	9,252	10,583	1,331	14.4%
80.2%	9,101	9,920	819	9.0%
81.5%	8,949	9,700	751	8.4%
82.7%	8,761	9,457	696	7.9%
84.0%	8,625	9,398	773	9.0%
85.2%	8,582	9,127	545	6.3%
86.4%	8,476	8,930	453	5.3%
87.7%	8,322	8,576	253	3.0%
88.9%	8,130	8,476	347	4.3%
90.1%	7,873	7,926	53	0.7%
91.4%	7,613	7,923	310	4.1%
92.6%	7,222	7,284	62	0.9%
93.8%	7,180	7,121	-59	-0.8%
95.1%	7,147	7,092	-55	-0.8%
96.3%	7,126	7,078	-48	-0.7%
97.5%	6,929	6,986	58	0.8%
98.8%	6,688	6,929	241	3.6%
100.0%	6,442	6,688	246	3.8%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	76,389	76,401	13	0.0%
1.2%	76,818	73,818	-3,000	-3.9%
2.5%	68,488	66,432	-2,056	-3.0%
3.7%	59,787	59,692	-95	-0.2%
4.9%	58,754	58,705	-49	-0.1%
6.2%	57,801	57,710	-90	-0.2%
7.4%	50,442	50,455	13	0.0%
8.6%	50,083	49,910	-172	-0.3%
9.9%	49,647	49,407	-240	-0.5%
11.1%	48,048	45,534	-2,514	-5.2%
12.3%	44,885	44,836	-49	-0.1%
13.6%	43,086	39,750	-3,336	-7.8%
14.8%	40,888	38,717	-2,172	-5.3%
16.0%	36,649	38,377	1,728	4.7%
17.3%	35,052	36,895	1,843	5.3%
18.5%	34,993	35,147	154	0.4%
19.8%	34,964	35,143	179	0.5%
21.0%	33,588	30,683	-2,904	-8.6%
22.2%	33,238	29,575	-3,663	-11.0%
23.5%	28,695	26,636	-2,059	-7.2%
24.7%	27,977	24,925	-3,052	-10.9%
25.9%	26,253	24,461	-1,792	-6.8%
27.2%	25,446	24,193	-1,253	-4.9%
28.4%	24,999	22,927	-2,072	-8.3%
29.6%	23,549	21,874	-1,675	-7.1%
30.9%	22,583	20,342	-2,242	-9.9%
32.1%	21,928	19,992	-1,936	-8.8%
33.3%	21,356	19,126	-2,230	-10.4%
34.6%	20,069	18,404	-1,666	-8.3%
35.8%	19,577	18,391	-1,186	-6.1%
37.0%	18,986	18,353	-633	-3.3%
38.3%	18,768	18,124	-644	-3.4%
39.5%	18,634	17,493	-1,141	-6.1%
40.7%	18,050	17,387	-663	-3.7%
42.0%	17,481	17,311	-170	-1.0%
43.2%	17,257	17,183	-74	-0.4%
44.4%	17,098	16,949	-149	-0.9%
45.7%	17,053	16,017	-1,036	-6.1%
46.9%	16,897	15,972	-925	-5.5%
48.1%	16,744	15,765	-979	-5.9%
49.4%	15,855	15,659	-196	-1.2%
50.6%	15,611	15,611	0	0.0%
51.9%	15,643	15,581	-62	-0.4%
53.1%	15,616	15,537	-78	-0.5%
54.3%	15,576	15,512	-64	-0.4%
55.6%	15,101	15,436	335	2.2%
56.8%	14,987	15,399	411	2.7%
58.0%	14,775	15,218	443	3.0%
59.3%	14,771	15,138	367	2.5%
60.5%	14,567	15,034	467	3.2%
61.7%	14,165	14,911	746	5.3%
63.0%	14,127	14,760	633	4.5%
64.2%	14,019	14,745	725	5.2%
65.4%	13,834	14,630	796	5.8%
66.7%	13,778	14,287	509	3.7%
67.9%	13,764	14,258	494	3.6%
69.1%	13,761	13,838	78	0.6%
70.4%	13,669	13,674	5	0.0%
71.6%	13,640	13,241	-400	-2.9%
72.8%	13,490	13,206	-284	-2.1%
74.1%	13,435	13,085	-351	-2.6%
75.3%	13,125	12,975	-149	-1.1%
76.5%	13,056	12,968	-88	-0.7%
77.8%	12,887	12,942</		

Table SW-17-3b
Sacramento River at Freepoint, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,794	76,791	-3	0.0%
1.2%	74,224	74,222	-2	0.0%
2.5%	73,784	74,031	246	0.3%
3.7%	72,104	72,098	-6	0.0%
4.9%	70,602	70,480	-123	-0.2%
6.2%	69,327	69,327	-406	-0.6%
7.4%	68,197	68,114	-82	-0.1%
8.6%	68,692	68,696	4	0.0%
9.9%	67,996	67,800	-196	-0.3%
11.1%	67,424	66,934	-490	-0.7%
12.3%	66,900	66,869	-31	0.0%
13.6%	65,473	65,222	-251	-0.4%
14.8%	64,556	64,552	-4	0.0%
16.0%	62,484	62,485	2	0.0%
17.3%	61,933	61,436	-497	-0.8%
18.5%	61,706	60,804	-902	-1.5%
19.8%	60,800	60,344	-456	-0.7%
21.0%	59,574	59,599	25	0.0%
22.2%	59,070	59,081	11	0.0%
23.5%	58,982	58,230	-752	-1.3%
24.7%	56,851	57,799	948	1.7%
25.9%	51,946	52,227	280	0.5%
27.2%	51,910	50,221	-1,688	-3.3%
28.4%	50,675	48,909	-1,767	-3.5%
29.6%	48,909	46,858	-2,051	-4.2%
30.9%	48,464	46,331	-2,133	-4.4%
32.1%	48,124	45,714	-2,411	-5.0%
33.3%	47,880	45,418	-2,461	-5.1%
34.6%	47,858	44,885	-2,973	-6.2%
35.8%	46,829	44,396	-2,433	-5.2%
37.0%	45,171	43,956	-1,215	-2.7%
38.3%	43,580	42,937	-643	-1.5%
39.5%	43,526	41,247	-2,279	-5.2%
40.7%	42,193	40,221	-1,971	-4.7%
42.0%	41,922	40,171	-1,752	-4.2%
43.2%	39,365	39,375	10	0.0%
44.4%	36,163	34,229	-1,935	-5.4%
45.7%	34,709	31,976	-2,733	-7.9%
46.9%	34,242	31,586	-2,656	-7.8%
48.1%	33,712	30,340	-3,372	-10.0%
49.4%	33,072	28,700	-5,002	-14.8%
50.6%	32,704	25,609	-7,094	-21.7%
51.9%	30,301	27,841	-2,491	-7.3%
53.1%	28,936	27,103	-1,832	-6.3%
54.3%	28,515	25,368	-3,146	-11.0%
55.6%	27,064	24,422	-2,642	-9.8%
56.8%	25,135	24,005	-1,130	-4.5%
58.0%	24,624	22,643	-1,981	-8.0%
59.3%	24,497	22,132	-2,365	-9.7%
60.5%	24,022	21,405	-2,617	-10.9%
61.7%	23,538	20,871	-2,667	-11.3%
63.0%	22,872	20,740	-2,132	-9.3%
64.2%	22,338	20,662	-1,677	-7.5%
65.4%	21,944	20,594	-1,350	-6.2%
66.7%	21,406	18,749	-2,657	-12.4%
67.9%	19,641	18,667	-974	-5.0%
69.1%	18,666	18,562	-104	-0.6%
70.4%	18,241	17,763	-478	-2.6%
71.6%	17,802	16,738	-1,063	-6.0%
72.8%	17,801	16,026	-1,775	-10.0%
74.1%	16,997	15,780	-1,217	-7.2%
75.3%	16,618	14,851	-1,767	-10.6%
76.5%	16,589	14,773	-1,815	-10.9%
77.8%	16,268	14,683	-1,585	-9.7%
79.0%	15,202	14,626	-576	-3.8%
80.2%	15,094	14,555	-539	-3.6%
81.5%	15,020	14,505	-515	-3.4%
82.7%	13,913	14,278	365	2.6%
84.0%	13,667	13,627	-40	-0.3%
85.2%	13,414	13,398	-16	-0.1%
86.4%	13,399	13,025	-374	-2.8%
87.7%	13,117	13,011	-106	-0.8%
88.9%	13,028	12,929	-99	-0.8%
90.1%	12,904	12,920	16	0.1%
91.4%	12,520	12,462	-58	-0.5%
92.6%	12,434	12,399	-35	-0.3%
93.8%	11,985	11,945	-40	-0.3%
95.1%	11,569	11,937	368	3.2%
96.3%	10,326	11,880	1,554	15.0%
97.5%	9,176	9,321	145	1.6%
98.8%	8,732	9,026	294	3.4%
100.0%	8,072	8,727	656	8.1%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,371	81,370	0	0.0%
1.2%	77,333	77,401	68	0.1%
2.5%	72,349	72,351	2	0.0%
3.7%	70,805	70,402	-404	-0.6%
4.9%	68,249	68,248	-1	0.0%
6.2%	68,107	68,108	1	0.0%
7.4%	67,663	67,663	-668	-1.0%
8.6%	66,230	66,523	293	0.4%
9.9%	61,306	61,309	3	0.0%
11.1%	61,102	61,105	3	0.0%
12.3%	60,661	60,660	-2	0.0%
13.6%	59,092	58,192	-900	-1.5%
14.8%	57,412	57,398	-14	0.0%
16.0%	57,384	57,387	2	0.0%
17.3%	55,039	54,773	-267	-0.5%
18.5%	54,767	52,998	-1,770	-3.2%
19.8%	52,762	52,837	75	0.1%
21.0%	48,528	48,272	-256	-0.5%
22.2%	47,733	47,469	-263	-0.6%
23.5%	46,956	46,949	-7	0.0%
24.7%	44,697	45,833	1,136	2.5%
25.9%	43,946	43,508	-438	-1.0%
27.2%	43,331	42,239	-1,092	-2.5%
28.4%	43,017	40,909	-2,108	-4.9%
29.6%	41,621	40,569	-1,051	-2.5%
30.9%	41,574	37,486	-4,088	-9.8%
32.1%	40,443	37,006	-3,437	-8.5%
33.3%	37,799	34,160	-3,639	-9.6%
34.6%	36,156	33,973	-2,183	-6.0%
35.8%	34,672	33,937	-735	-2.1%
37.0%	34,122	33,596	-526	-1.5%
38.3%	33,963	33,688	-275	-0.8%
39.5%	33,632	33,026	-606	-1.8%
40.7%	32,449	32,304	-145	-0.4%
42.0%	32,269	30,210	-2,059	-6.4%
43.2%	29,803	28,295	-1,508	-5.1%
44.4%	29,086	27,944	-1,142	-3.9%
45.7%	28,903	27,796	-1,107	-3.8%
46.9%	27,956	27,616	-340	-1.2%
48.1%	27,700	26,955	-745	-2.7%
49.4%	25,304	25,329	25	0.1%
50.6%	25,156	24,529	-627	-2.5%
51.9%	24,930	22,264	-2,666	-10.7%
53.1%	23,700	22,237	-1,463	-6.2%
54.3%	22,920	21,038	-1,882	-8.2%
55.6%	22,379	20,995	-1,385	-6.2%
56.8%	22,277	20,340	-1,937	-8.7%
58.0%	22,258	19,592	-2,666	-12.0%
59.3%	22,243	19,572	-2,672	-12.0%
60.5%	22,025	18,931	-3,094	-14.0%
61.7%	21,282	18,411	-2,871	-13.5%
63.0%	21,005	17,462	-3,543	-16.9%
64.2%	20,217	17,352	-2,865	-14.2%
65.4%	20,183	17,310	-2,874	-14.2%
66.7%	19,912	17,211	-2,701	-13.6%
67.9%	19,673	17,095	-2,578	-13.1%
69.1%	19,616	17,051	-2,565	-13.1%
70.4%	19,312	16,699	-2,613	-13.5%
71.6%	19,248	16,661	-2,587	-13.4%
72.8%	18,990	16,158	-2,832	-14.9%
74.1%	18,589	15,993	-2,596	-14.0%
75.3%	18,144	14,843	-3,301	-18.2%
76.5%	17,176	14,146	-3,030	-17.6%
77.8%	15,686	13,571	-2,115	-13.5%
79.0%	15,644	13,466	-2,178	-13.9%
80.2%	14,414	13,336	-1,078	-7.5%
81.5%	14,368	13,097	-1,271	-8.8%
82.7%	13,338	13,035	-303	-2.3%
84.0%	12,820	13,030	210	1.6%
85.2%	12,411	12,611	200	1.6%
86.4%	12,376	12,535	159	1.3%
87.7%	12,126	12,365	239	2.0%
88.9%	11,529	12,289	760	6.6%
90.1%	11,503	12,146	642	5.6%
91.4%	11,321	10,929	-392	-3.5%
92.6%	10,951	10,884	-66	-0.6%
93.8%	10,657	10,751	94	0.9%
95.1%	11,050	10,386	-664	-6.0%
96.3%	8,963	9,568	605	6.7%
97.5%	8,655	9,363	708	8.2%
98.8%	7,975	8,695	720	9.0%
100.0%	7,762	7,971	209	2.7%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,120	72,121	1	0.0%
1.2%	67,572	67,570	-2	0.0%
2.5%	64,589	64,587	-1	0.0%
3.7%	57,018	57,019	1	0.0%
4.9%	56,211	56,215	4	0.0%
6.2%	54,548	54,549	1	0.0%
7.4%	54,444	53,627	-817	-1.5%
8.6%	53,572	52,762	-810	-1.5%
9.9%	50,443	49,943	-500	-1.0%
11.1%	49,942	48,942	-1,000	-2.0%
12.3%	45,516	45,507	-9	0.0%
13.6%	42,694	42,680	-14	0.0%
14.8%	42,149	41,928	-220	-0.5%
16.0%	41,922	39,779	-2,143	-5.1%
17.3%	40,409	39,256	-1,154	-2.9%
18.5%	39,765	38,847	-919	-2.3%
19.8%	39,864	37,492	-2,372	-5.9%
21.0%	37,739	35,153	-2,586	-6.9%
22.2%	34,677	34,676	-1	0.0%
23.5%	34,105	33,197	-908	-2.7%
24.7%	33,091	32,766	-324	-1.0%
25.9%	25,221	25,327	106	0.4%
27.2%	24,551	25,196	646	2.6%
28.4%	24,410	24,522	112	0.5%
29.6%	23,949	23,087	-862	-3.6%
30.9%	23,775	22,601	-1,174	-4.9%
32.1%	22,975	22,556	-419	-1.8%
33.3%	22,600	22,097	-503	-2.2%
34.6%	22,549	21,418	-1,131	-5.0%
35.8%	21,557	20,973	-584	-2.7%
37.0%	21,098	20,706	-392	-1.8%
38.3%	20,976	20,210	-766	-3.6%
39.5%	20,969	19,884	-1,085	-5.2%
40.7%	20,879	19,308	-1,571	-7.5%
42.0%	20,137	19,111	-1,026	-5.1%
43.2%	18,687	18,376	-310	-1.7%
44.4%	18,189	18,254	66	0.4%
45.7%	18,156	18,213	58	0.3%
46.9%	18,074	18,080	6	0.0%
48.1%	16,807	16,878	71	0.4%
49.4%	16,657	16,452	-205	-1.2%
50.6%	15,872	15,559	-313	-2.0%
51.9%	15,863	15,863	0	0.0%
53.1%	14,935	15,017	82	0.5%
54.3%	14,162	14,677	515	3.6%
55.6%	13,912	14,164	252	1.8%
56.8%	13,807	14,050	242	1.8%
58.0%	13,252	13,915	663	5.0%
59.3%	13,081	13,828	746	5.7%
60.5%	13,042	13,044	2	0.0%
61.7%	13,023	13,002	-21	-0.2%
63.0%	12,725	12,543	-182	-1.4%
64.2%	12,369	12,788	418	3.4%
65.4%	12,307	12,376	69	0.6%
66.7%	12,294	12,184	-110	-0.9%
67.9%	12,180	12,115	-65	-0.5%
69.1%	12,075	12,075	0	0.0%
70.4%	11,720	11,838	118	1.0%
71.6%	11,695	11,661	-35	-0.3%
72.8%	11,589	11,525	-63	-0.5%
74.1%	11,530	11,461	-69	-0.6%
75.3%	11,430	11,449	18	0.2%
76.5%	11,397	11,435	38	0.3%
77.8%	11,273	11,381		

Table SW-17-3b
Sacramento River at Freepoint, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,207	61,124	-83	-0.1%
0.2%	51,146	51,146	0	0.0%
2.5%	37,909	38,870	961	2.5%
3.7%	37,649	38,867	1,218	3.2%
4.9%	35,934	38,347	2,413	6.7%
6.2%	35,171	36,639	1,468	4.2%
7.4%	34,371	34,842	471	1.4%
8.6%	29,602	30,501	899	3.0%
9.9%	26,081	25,915	-167	-0.6%
11.1%	24,659	25,414	755	3.1%
12.3%	24,585	24,394	-191	-0.8%
13.6%	23,988	24,215	227	1.0%
14.8%	22,222	22,691	469	2.1%
16.0%	20,986	22,047	1,060	5.1%
17.3%	20,680	21,753	1,074	5.2%
18.5%	20,624	21,254	630	3.1%
19.8%	20,400	21,034	634	3.1%
21.0%	19,312	19,808	496	2.6%
22.2%	18,254	18,266	12	0.1%
23.5%	16,703	17,438	736	4.4%
24.7%	16,310	16,360	50	0.3%
25.9%	15,792	16,266	474	3.0%
27.2%	15,770	16,265	495	3.1%
28.4%	15,523	16,263	740	4.8%
29.6%	15,463	15,881	418	2.7%
30.9%	15,042	16,830	1,788	11.9%
32.1%	14,987	15,546	559	3.7%
33.3%	14,740	15,481	741	5.0%
34.6%	14,739	15,195	456	3.1%
35.8%	14,701	15,174	473	3.2%
37.0%	14,561	15,028	466	3.2%
38.3%	14,526	15,022	497	3.4%
39.5%	14,511	14,947	436	3.0%
40.7%	14,501	14,732	231	1.6%
42.0%	14,037	14,505	468	3.3%
43.2%	13,763	14,451	689	5.0%
44.4%	13,721	14,400	679	4.9%
45.7%	13,653	14,010	357	2.6%
46.9%	13,603	13,985	383	2.8%
48.1%	13,570	13,964	393	2.9%
49.4%	13,511	13,943	431	3.2%
50.6%	13,367	13,838	471	3.5%
51.9%	13,274	13,772	498	3.8%
53.1%	13,172	13,751	579	4.4%
54.3%	12,958	13,722	764	5.9%
55.6%	12,932	13,658	726	5.6%
56.8%	12,913	13,573	661	5.1%
58.0%	12,905	13,427	523	4.1%
59.3%	12,848	13,414	566	4.4%
60.5%	12,695	13,392	697	5.5%
61.7%	12,692	13,199	507	4.0%
63.0%	12,643	13,163	520	4.1%
64.2%	12,631	13,121	490	3.9%
65.4%	12,621	12,970	350	2.8%
66.7%	12,528	12,923	395	3.2%
67.9%	12,456	12,792	336	2.7%
69.1%	12,449	12,741	292	2.3%
70.4%	12,281	12,721	440	3.6%
71.6%	12,277	12,641	364	3.0%
72.8%	12,218	12,610	392	3.2%
74.1%	12,184	12,552	368	3.0%
75.3%	11,997	12,471	474	4.0%
76.5%	11,993	12,453	459	3.8%
77.8%	11,921	12,420	500	4.2%
79.0%	11,872	12,350	478	4.0%
80.2%	11,538	12,296	758	6.5%
81.5%	11,491	12,175	684	6.0%
82.7%	11,478	11,796	318	2.8%
84.0%	11,262	11,562	300	2.7%
85.2%	11,167	11,535	368	3.3%
86.4%	11,035	11,465	430	3.9%
87.7%	10,992	11,398	394	3.6%
88.9%	10,893	11,320	427	3.9%
90.1%	10,713	11,075	362	3.4%
91.4%	10,594	10,997	403	3.8%
92.6%	9,740	9,951	211	2.2%
93.8%	9,457	9,664	207	2.2%
95.1%	9,447	9,564	117	1.2%
96.3%	9,365	9,456	91	1.0%
97.5%	8,752	9,381	629	7.2%
98.8%	8,623	8,957	334	3.9%
100.0%	8,561	8,564	3	0.0%

Percent Exceedance Probability	July			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,971	26,459	1,488	6.0%
1.2%	24,965	26,465	1,500	6.0%
2.5%	24,847	26,307	1,460	5.9%
3.7%	24,793	26,266	1,473	5.9%
4.9%	24,526	26,171	1,645	6.7%
6.2%	24,526	26,119	1,594	6.5%
7.4%	24,481	26,013	1,532	6.3%
8.6%	24,000	25,610	1,611	6.7%
9.9%	23,989	25,559	1,570	6.5%
11.1%	23,926	25,502	1,576	6.6%
12.3%	23,917	25,133	1,215	5.1%
13.6%	23,821	24,746	924	3.9%
14.8%	23,814	24,684	869	3.7%
16.0%	23,788	24,659	871	3.7%
17.3%	23,565	24,576	1,011	4.3%
18.5%	23,549	24,529	980	4.2%
19.8%	23,175	24,325	1,150	5.0%
21.0%	22,875	24,205	1,330	5.8%
22.2%	22,792	24,191	1,399	6.1%
23.5%	22,625	24,128	1,503	6.6%
24.7%	22,577	23,226	648	2.9%
25.9%	22,427	23,137	711	3.2%
27.2%	22,363	23,015	652	2.9%
28.4%	22,240	22,990	751	3.4%
29.6%	21,879	22,805	926	4.2%
30.9%	21,688	22,621	933	4.3%
32.1%	21,639	22,503	864	4.0%
33.3%	21,470	22,415	1,113	5.2%
34.6%	21,218	22,239	1,022	4.8%
35.8%	20,866	22,136	1,269	6.1%
37.0%	20,853	22,076	1,223	5.9%
38.3%	20,849	21,978	1,129	5.4%
39.5%	20,831	21,940	1,109	5.3%
40.7%	20,330	21,690	1,360	6.7%
42.0%	20,262	21,598	1,336	6.6%
43.2%	20,211	21,541	1,330	6.6%
44.4%	20,202	21,469	1,267	6.3%
45.7%	20,184	21,443	1,259	6.2%
46.9%	20,094	21,383	1,289	6.4%
48.1%	20,048	21,347	1,300	6.5%
49.4%	20,042	21,342	1,300	6.5%
50.6%	20,000	21,300	1,300	6.5%
51.9%	19,988	21,279	1,291	6.5%
53.1%	19,910	21,169	1,259	6.3%
54.3%	19,883	21,098	1,215	6.1%
55.6%	19,840	21,096	1,256	6.3%
56.8%	19,829	21,032	1,203	6.1%
58.0%	19,801	20,941	1,140	5.8%
59.3%	19,675	20,877	1,202	6.1%
60.5%	19,532	20,735	1,203	6.2%
61.7%	19,505	20,639	1,134	5.8%
63.0%	19,016	20,568	1,542	8.1%
64.2%	18,935	20,218	1,284	6.8%
65.4%	18,760	20,111	1,352	7.2%
66.7%	18,756	20,011	1,255	6.7%
67.9%	18,614	19,801	987	5.3%
69.1%	18,568	19,543	975	5.3%
70.4%	18,506	19,186	681	3.7%
71.6%	17,888	18,965	1,076	6.0%
72.8%	17,675	18,888	1,214	6.9%
74.1%	17,466	18,864	1,399	8.0%
75.3%	17,435	18,486	1,050	6.0%
76.5%	17,388	18,225	837	4.8%
77.8%	17,318	18,086	768	4.4%
79.0%	17,272	17,514	242	1.4%
80.2%	16,726	17,272	546	3.3%
81.5%	16,293	16,820	526	3.2%
82.7%	16,020	16,810	790	4.9%
84.0%	15,894	16,784	890	5.6%
85.2%	15,559	16,453	894	5.7%
86.4%	15,159	16,315	1,156	7.6%
87.7%	15,132	16,105	973	6.4%
88.9%	14,620	15,620	1,000	6.8%
90.1%	14,379	15,529	1,150	8.0%
91.4%	14,009	15,431	1,422	10.1%
92.6%	13,996	14,439	442	3.2%
93.8%	13,809	14,009	200	1.5%
95.1%	12,956	13,993	1,036	8.0%
96.3%	12,925	13,562	637	4.9%
97.5%	11,270	12,734	1,464	13.0%
98.8%	9,091	9,866	775	8.5%
100.0%	8,561	9,676	1,115	13.0%

Percent Exceedance Probability	August			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,779	22,435	2,656	13.4%
1.2%	19,723	20,591	868	4.4%
2.5%	19,566	20,307	741	3.8%
3.7%	19,045	19,410	365	1.9%
4.9%	18,442	19,324	882	4.8%
6.2%	18,371	19,215	844	4.6%
7.4%	18,220	19,205	985	5.4%
8.6%	18,176	19,204	1,027	5.7%
9.9%	18,042	19,174	1,132	6.3%
11.1%	17,952	19,110	1,158	6.5%
12.3%	17,779	18,728	949	5.3%
13.6%	17,659	17,769	110	0.6%
14.8%	17,560	18,357	797	4.5%
16.0%	17,489	18,342	853	4.9%
17.3%	17,306	18,197	891	5.1%
18.5%	17,265	18,178	913	5.3%
19.8%	17,220	18,100	879	5.1%
21.0%	17,204	18,097	892	5.2%
22.2%	17,128	18,047	919	5.4%
23.5%	17,111	18,016	905	5.3%
24.7%	17,108	18,008	900	5.3%
25.9%	17,066	17,911	845	4.9%
27.2%	17,061	17,888	827	4.8%
28.4%	17,008	17,820	812	4.8%
29.6%	17,004	17,782	778	4.6%
30.9%	16,996	17,748	752	4.4%
32.1%	16,913	17,601	689	4.1%
33.3%	16,866	17,283	417	2.5%
34.6%	16,848	17,266	417	2.5%
35.8%	16,813	17,184	371	2.2%
37.0%	16,774	17,074	300	1.8%
38.3%	16,757	17,066	309	1.8%
39.5%	16,678	17,049	371	2.2%
40.7%	16,638	17,007	370	2.2%
42.0%	16,595	16,910	315	1.9%
43.2%	16,415	16,886	471	2.9%
44.4%	16,338	16,819	481	2.9%
45.7%	16,313	16,782	469	2.9%
46.9%	16,264	16,529	265	1.6%
48.1%	16,017	16,399	382	2.4%
49.4%	15,971	16,397	425	2.7%
50.6%	15,958	16,273	315	2.0%
51.9%	15,933	16,262	328	2.1%
53.1%	15,897	16,203	307	1.9%
54.3%	15,893	16,117	224	1.4%
55.6%	15,754	16,068	314	2.0%
56.8%	15,683	15,966	282	1.8%
58.0%	15,681	15,956	275	1.8%
59.3%	15,499	15,821	321	2.1%
60.5%	15,481	15,749	268	1.7%
61.7%	15,455	15,677	222	1.4%
63.0%	15,450	15,671	221	1.4%
64.2%	15,275	15,494	219	1.4%
65.4%	15,227	15,481	255	1.7%
66.7%	15,220	15,421	201	1.3%
67.9%	15,132	15,274	143	0.9%
69.1%	14,933	15,244	311	2.1%
70.4%	14,920	15,222	301	2.0%
71.6%	14,900	14,938	39	0.3%
72.8%	14,865	14,933	68	0.5%
74.1%	14,841	14,838	-3	0.0%
75.3%	14,441	14,446	5	0.0%
76.5%	14,391	14,234	-158	-1.1%
77.8%	14,235	14,053	-	

Table SW-18-3a
Lake Oroville, End of Month Storage

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term Average and Average by Water Year Type												
Long-term												
Full Simulation Period¹												
No Action Alternative	1,767	1,826	1,968	2,170	2,381	2,591	2,864	3,002	2,885	2,399	2,098	1,831
Alternative A	1,796	1,855	2,013	2,213	2,422	2,623	2,900	3,041	2,916	2,429	2,126	1,844
Difference	29	29	45	43	41	32	36	40	32	30	28	13
Percent Difference ³	1.6%	1.6%	2.3%	2.0%	1.7%	1.2%	1.3%	1.3%	1.1%	1.3%	1.3%	0.7%
Water Year Types²												
Wet (32%)												
No Action Alternative	2,377	2,423	2,485	2,679	2,860	2,945	3,304	3,508	3,483	3,125	2,927	2,473
Alternative A	2,374	2,424	2,509	2,680	2,863	2,945	3,304	3,508	3,471	3,110	2,920	2,453
Difference	-3	2	24	2	3	0	0	0	-12	-15	-7	-19
Percent Difference	-0.1%	0.1%	1.0%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.4%	-0.5%	-0.2%	-0.8%
Above Normal (15%)												
No Action Alternative	1,965	2,024	2,128	2,296	2,610	2,930	3,292	3,498	3,393	2,821	2,434	2,039
Alternative A	1,966	2,024	2,167	2,331	2,644	2,936	3,298	3,498	3,373	2,797	2,438	2,025
Difference	1	0	38	35	35	6	6	0	-20	-25	3	-14
Percent Difference	0.0%	0.0%	1.8%	1.5%	1.3%	0.2%	0.2%	0.0%	-0.6%	-0.9%	0.1%	-0.7%
Below Normal (17%)												
No Action Alternative	1,867	1,939	2,150	2,078	2,334	2,593	2,969	3,191	3,082	2,490	2,081	1,911
Alternative A	1,941	2,015	2,205	2,193	2,428	2,663	3,042	3,265	3,129	2,540	2,151	1,967
Difference	75	76	54	115	94	70	73	74	47	50	70	56
Percent Difference	4.0%	3.9%	2.5%	5.5%	4.0%	2.7%	2.5%	2.3%	1.5%	2.0%	3.4%	3.0%
Dry (22%)												
No Action Alternative	1,242	1,331	1,579	1,842	2,069	2,386	2,578	2,621	2,403	1,827	1,422	1,297
Alternative A	1,266	1,350	1,628	1,865	2,092	2,415	2,612	2,672	2,468	1,896	1,445	1,301
Difference	24	19	48	22	23	29	34	51	66	69	23	5
Percent Difference	1.9%	1.4%	3.1%	1.2%	1.1%	1.2%	1.3%	1.9%	2.7%	3.8%	1.6%	0.4%
Critical (15%)												
No Action Alternative	921	947	1,060	1,542	1,636	1,792	1,790	1,760	1,573	1,154	1,000	941
Alternative A	1,000	1,027	1,141	1,631	1,732	1,881	1,894	1,868	1,684	1,256	1,087	1,014
Difference	79	80	81	89	97	89	104	108	111	102	87	73
Percent Difference	8.5%	8.5%	7.7%	5.8%	5.9%	5.0%	5.8%	6.1%	7.1%	8.8%	8.7%	7.8%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

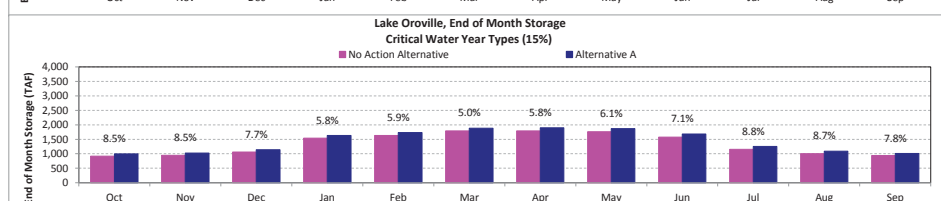
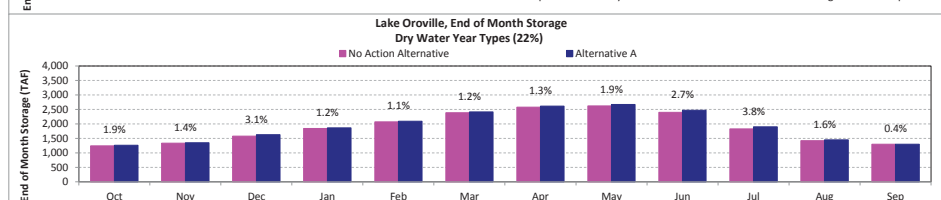
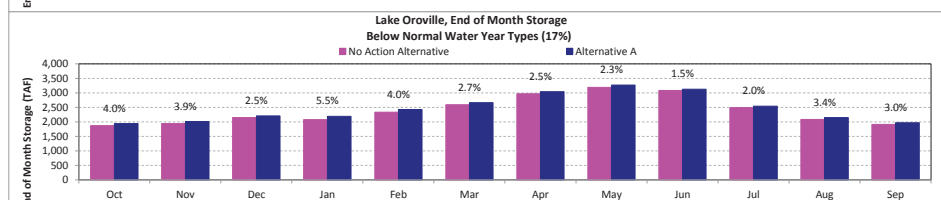
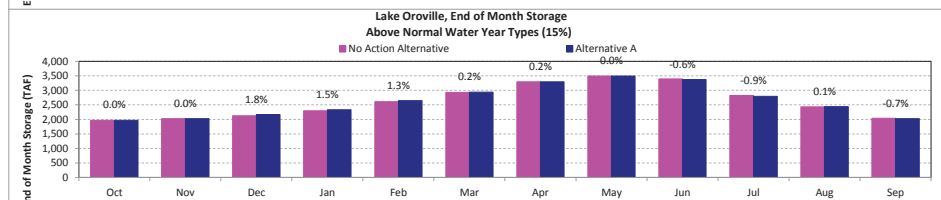
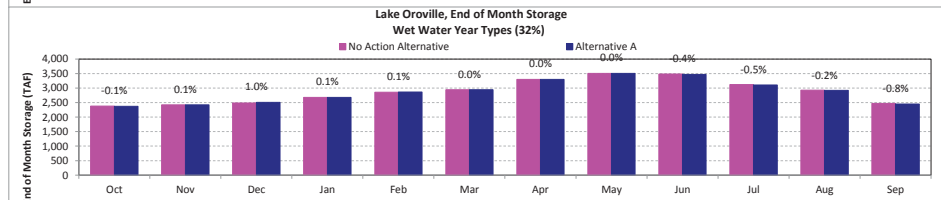
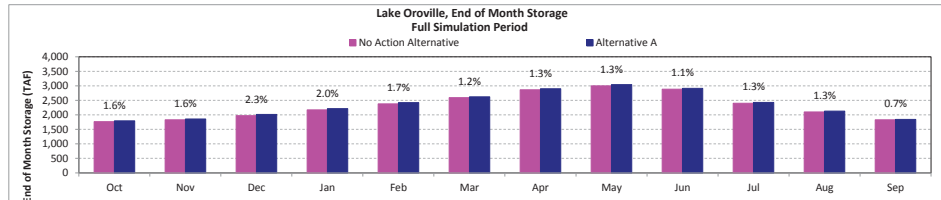


Figure SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

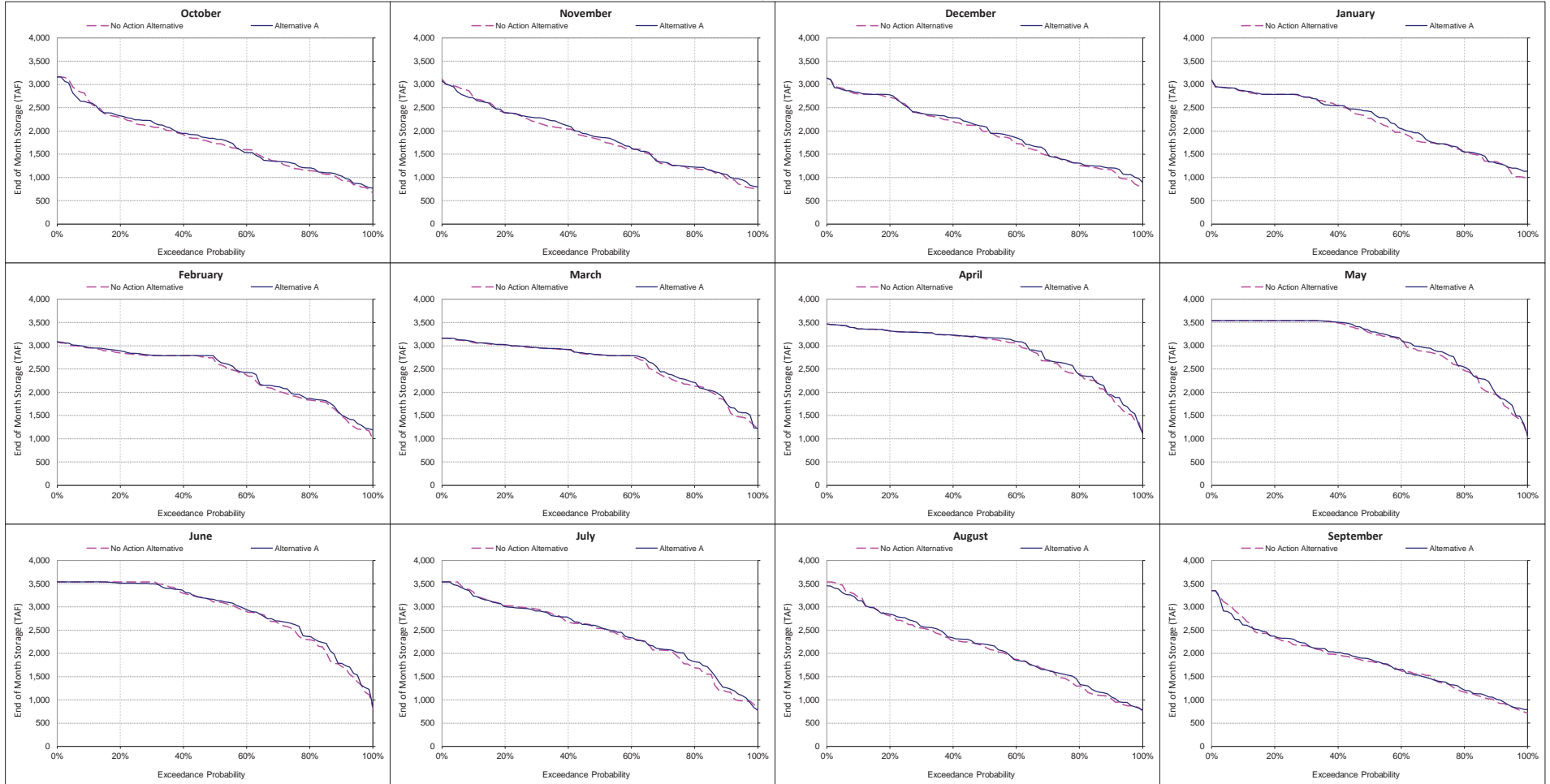


Table SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,149	3,065	-84	-2.7%
3.7%	3,104	3,032	-72	-2.3%
4.9%	2,951	2,819	-132	-4.5%
6.2%	2,888	2,732	-156	-5.4%
7.4%	2,836	2,640	-195	-6.9%
8.6%	2,813	2,638	-175	-6.2%
9.9%	2,658	2,607	-51	-1.9%
11.1%	2,571	2,599	28	1.1%
12.3%	2,516	2,540	24	0.9%
13.6%	2,487	2,442	-45	-1.8%
14.8%	2,382	2,392	10	0.4%
16.0%	2,342	2,389	46	2.0%
17.3%	2,327	2,382	55	2.4%
18.5%	2,311	2,353	43	1.9%
19.8%	2,294	2,331	38	1.6%
21.0%	2,275	2,310	35	1.5%
22.2%	2,230	2,284	54	2.4%
23.5%	2,217	2,270	54	2.4%
24.7%	2,157	2,241	84	3.9%
25.9%	2,140	2,237	96	4.5%
27.2%	2,133	2,230	97	4.5%
28.4%	2,109	2,229	120	5.7%
29.6%	2,102	2,222	120	5.7%
30.9%	2,090	2,165	85	4.1%
32.1%	2,079	2,132	52	2.5%
33.3%	2,066	2,129	63	3.1%
34.6%	2,018	2,088	70	3.4%
35.8%	2,002	2,069	66	3.3%
37.0%	2,000	2,018	17	0.9%
38.3%	1,953	1,969	17	0.8%
39.5%	1,939	1,951	12	0.6%
40.7%	1,897	1,946	50	2.6%
42.0%	1,854	1,927	74	4.0%
43.2%	1,845	1,920	74	4.0%
44.4%	1,843	1,916	73	3.9%
45.7%	1,805	1,869	63	3.5%
46.9%	1,797	1,862	65	3.6%
48.1%	1,770	1,846	76	4.3%
49.4%	1,740	1,843	103	5.9%
50.6%	1,724	1,820	96	5.6%
51.9%	1,723	1,819	96	5.6%
53.1%	1,694	1,799	105	6.2%
54.3%	1,665	1,762	97	5.8%
55.6%	1,634	1,734	99	6.1%
56.8%	1,630	1,628	-1	-0.1%
58.0%	1,623	1,593	-30	-1.8%
59.3%	1,599	1,539	-60	-3.8%
60.5%	1,599	1,538	-61	-3.8%
61.7%	1,592	1,538	-54	-3.4%
63.0%	1,512	1,472	-40	-2.6%
64.2%	1,474	1,433	-41	-2.8%
65.4%	1,421	1,370	-51	-3.6%
66.7%	1,404	1,361	-44	-3.1%
67.9%	1,363	1,356	-6	-0.4%
69.1%	1,356	1,343	-13	-0.9%
70.4%	1,341	1,343	2	0.1%
71.6%	1,281	1,339	59	4.6%
72.8%	1,249	1,335	85	6.8%
74.1%	1,226	1,313	87	7.1%
75.3%	1,191	1,298	107	9.0%
76.5%	1,181	1,236	55	4.6%
77.8%	1,164	1,214	50	4.3%
79.0%	1,158	1,207	49	4.3%
80.2%	1,143	1,206	63	5.5%
81.5%	1,138	1,184	46	4.0%
82.7%	1,118	1,120	1	0.1%
84.0%	1,083	1,114	31	2.9%
85.2%	1,065	1,100	34	3.2%
86.4%	1,065	1,099	35	3.2%
87.7%	1,043	1,091	47	4.5%
88.9%	988	1,055	67	6.8%
90.1%	939	1,029	91	9.7%
91.4%	927	976	50	5.3%
92.6%	921	954	33	3.6%
93.8%	845	878	33	3.9%
95.1%	844	874	29	3.5%
96.3%	792	861	69	8.7%
97.5%	788	817	29	3.7%
98.8%	741	784	42	5.7%
100.0%	688	773	106	15.8%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,079	-40	-1.3%
1.2%	3,008	3,008	0	0.0%
2.5%	2,981	2,981	0	0.0%
3.7%	2,969	2,950	-19	-0.6%
4.9%	2,950	2,842	-108	-3.6%
6.2%	2,888	2,808	-80	-2.8%
7.4%	2,891	2,752	-139	-4.8%
8.6%	2,859	2,718	-141	-4.9%
9.9%	2,734	2,716	-18	-0.7%
11.1%	2,679	2,655	-23	-0.9%
12.3%	2,670	2,637	-33	-1.3%
13.6%	2,631	2,620	-12	-0.4%
14.8%	2,624	2,600	-25	-0.9%
16.0%	2,561	2,520	-41	-1.6%
17.3%	2,462	2,476	14	0.6%
18.5%	2,424	2,466	42	1.7%
19.8%	2,403	2,391	-12	-0.5%
21.0%	2,391	2,385	-6	-0.2%
22.2%	2,383	2,385	2	0.1%
23.5%	2,380	2,376	-4	-0.2%
24.7%	2,358	2,331	-27	-1.1%
25.9%	2,274	2,325	51	2.2%
27.2%	2,260	2,307	48	2.1%
28.4%	2,219	2,295	76	3.4%
29.6%	2,195	2,286	91	4.2%
30.9%	2,164	2,285	121	5.6%
32.1%	2,138	2,273	135	6.3%
33.3%	2,113	2,246	134	6.3%
34.6%	2,101	2,223	122	5.8%
35.8%	2,081	2,216	135	6.5%
37.0%	2,070	2,177	107	5.2%
38.3%	2,060	2,144	84	4.1%
39.5%	2,045	2,115	70	3.4%
40.7%	2,038	2,093	55	2.7%
42.0%	2,013	2,007	-6	-0.3%
43.2%	1,920	1,925	5	0.3%
44.4%	1,904	1,949	45	2.4%
45.7%	1,881	1,936	55	2.9%
46.9%	1,878	1,908	31	1.6%
48.1%	1,843	1,880	37	2.0%
49.4%	1,827	1,871	44	2.4%
50.6%	1,805	1,862	56	3.1%
51.9%	1,748	1,854	107	6.1%
53.1%	1,737	1,844	107	6.2%
54.3%	1,709	1,807	98	5.8%
55.6%	1,680	1,762	83	4.9%
56.8%	1,664	1,730	66	3.9%
58.0%	1,624	1,681	58	3.6%
59.3%	1,617	1,672	55	3.4%
60.5%	1,614	1,609	-5	-0.3%
61.7%	1,609	1,602	-7	-0.4%
63.0%	1,608	1,565	-43	-2.7%
64.2%	1,535	1,564	29	1.9%
65.4%	1,509	1,544	35	2.3%
66.7%	1,497	1,441	-56	-3.7%
67.9%	1,373	1,349	-23	-1.7%
69.1%	1,301	1,333	32	2.5%
70.4%	1,295	1,328	33	2.5%
71.6%	1,295	1,310	15	1.2%
72.8%	1,259	1,261	3	0.2%
74.1%	1,258	1,261	3	0.2%
75.3%	1,246	1,258	13	1.0%
76.5%	1,244	1,241	-3	-0.2%
77.8%	1,199	1,232	33	2.8%
79.0%	1,193	1,227	34	2.8%
80.2%	1,188	1,224	36	3.0%
81.5%	1,175	1,219	44	3.7%
82.7%	1,170	1,217	47	4.1%
84.0%	1,167	1,170	3	0.2%
85.2%	1,153	1,156	3	0.3%
86.4%	1,099	1,121	22	2.0%
87.7%	1,086	1,107	21	1.9%
88.9%	1,066	1,078	12	1.1%
90.1%	976	1,065	88	9.0%
91.4%	956	998	41	4.3%
92.6%	945	973	28	3.0%
93.8%	861	970	109	12.7%
95.1%	837	950	113	13.5%
96.3%	794	910	116	14.6%
97.5%	779	832	54	6.9%
98.8%	766	808	42	5.5%
100.0%	717	798	81	11.3%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,139	3,139	0	0.0%
1.2%	3,107	3,107	0	0.0%
2.5%	2,973	2,930	-43	-1.4%
3.7%	2,930	2,918	-12	-0.4%
4.9%	2,918	2,886	-32	-1.1%
6.2%	2,866	2,821	-45	-1.6%
7.4%	2,841	2,866	25	0.9%
8.6%	2,806	2,839	33	1.2%
9.9%	2,800	2,832	32	1.1%
11.1%	2,788	2,806	18	0.6%
12.3%	2,788	2,800	12	0.4%
13.6%	2,788	2,788	0	0.0%
14.8%	2,788	2,788	0	0.0%
16.0%	2,788	2,788	0	0.0%
17.3%	2,769	2,788	19	0.7%
18.5%	2,739	2,788	49	1.8%
19.8%	2,737	2,779	42	1.5%
21.0%	2,707	2,753	46	1.7%
22.2%	2,698	2,670	-27	-1.0%
23.5%	2,607	2,615	8	0.3%
24.7%	2,549	2,549	0	0.0%
25.9%	2,508	2,499	-9	-0.4%
27.2%	2,405	2,413	9	0.4%
28.4%	2,397	2,405	8	0.3%
29.6%	2,379	2,386	7	0.3%
30.9%	2,358	2,358	0	0.0%
32.1%	2,327	2,353	26	1.1%
33.3%	2,316	2,346	30	1.3%
34.6%	2,299	2,339	40	1.7%
35.8%	2,283	2,329	46	2.0%
37.0%	2,246	2,327	81	3.6%
38.3%	2,239	2,294	55	2.4%
39.5%	2,216	2,285	69	3.1%
40.7%	2,183	2,285	101	4.6%
42.0%	2,174	2,272	98	4.5%
43.2%	2,135	2,219	84	3.9%
44.4%	2,127	2,203	76	3.6%
45.7%	2,120	2,169	48	2.3%
46.9%	2,120	2,140	20	0.9%
48.1%	2,087	2,114	28	1.3%
49.4%	2,093	2,103	10	0.5%
50.6%	1,992	2,084	92	4.6%
51.9%	1,974	1,951	-23	-1.2%
53.1%	1,919	1,948	29	1.5%
54.3%	1,870	1,944	74	3.9%
55.6%	1,868	1,938	70	3.7%
56.8%	1,864	1,913	49	2.6%
58.0%	1,841	1,897	56	3.1%
59.3%	1,740	1,864	124	7.1%
60.5%	1,724	1,844	120	7.0%
61.7%	1,719	1,808	89	5.2%
63.0%	1,631	1,713	83	5.1%
64.2%	1,623	1,703	81	5.0%
65.4%	1,598	1,675	77	4.8%
66.7%	1,580	1,658	78	5.0%
67.9%	1,511	1,651	140	9.2%
69.1%	1,485	1,590	105	7.1%
70.4%	1,473	1,456	-17	-1.2%
71.6%	1,459	1,443	-15	-1.0%
72.8%	1,443	1,422	-21	-1.5%
74.1%	1,389	1,398	9	0.5%
75.3%	1,362	1,386	25	1.8%
76.5%	1,340	1,363	23	1.7%
77.8%	1,315	1,318	3	0.2%
79.0%	1,312	1,312	-1	0.0%
80.2%	1,254	1,305	52	4.1%
81.5%	1,244	1,270	25	2.0%
82.7%	1,236	1,255	19	1.6%
84.0%	1,211	1,252	41	3.4%
85.2%	1,209	1,247	38	3.1%
86.4%	1,187	1,244	57	4.8%
87.7%	1,175	1,221	46	3.9%
88.9%	1,173	1,208	34	2.9%
90.1%	1,167	1,207	40	3.4%
91.4%	1,099	1,199	100	9.1%
92.6%	1,074	1,174	100	9.3%
93.8%	971	1,073	102	10.5%
95.1%	968	1,063	96	9.9%
96.3%	942	1,063	121	12.8%
97.5%	860	1,003	143	16.7%
98.8%	816	978	162	19.9%
10				

Table SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,088	10	0.3%
1.2%	3,059	3,078	19	0.6%
2.5%	3,057	3,059	2	0.1%
3.7%	3,009	3,057	48	1.6%
4.9%	2,997	3,014	17	0.6%
6.2%	2,998	3,049	51	1.7%
7.4%	2,987	2,997	10	0.3%
8.6%	2,962	2,987	25	0.8%
9.9%	2,952	2,962	10	0.3%
11.1%	2,951	2,952	1	0.0%
12.3%	2,934	2,951	17	0.6%
13.6%	2,925	2,947	22	0.7%
14.8%	2,895	2,935	40	1.4%
16.0%	2,890	2,925	35	1.2%
17.3%	2,884	2,918	34	1.2%
18.5%	2,856	2,903	47	1.6%
19.8%	2,845	2,890	45	1.6%
21.0%	2,839	2,884	45	1.6%
22.2%	2,832	2,856	24	0.8%
23.5%	2,820	2,839	19	0.7%
24.7%	2,813	2,839	26	0.9%
25.9%	2,806	2,832	26	0.9%
27.2%	2,797	2,813	16	0.6%
28.4%	2,788	2,806	18	0.6%
29.6%	2,788	2,800	12	0.4%
30.9%	2,788	2,790	2	0.1%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,788	1	0.0%
45.7%	2,761	2,788	27	1.0%
46.9%	2,752	2,788	36	1.3%
48.1%	2,744	2,788	44	1.6%
49.4%	2,739	2,787	48	1.8%
50.6%	2,600	2,698	98	3.8%
51.9%	2,586	2,638	51	2.0%
53.1%	2,552	2,620	68	2.7%
54.3%	2,492	2,598	106	4.3%
55.6%	2,477	2,556	80	3.2%
56.8%	2,455	2,472	16	0.7%
58.0%	2,400	2,442	42	1.8%
59.3%	2,400	2,431	31	1.3%
60.5%	2,347	2,425	78	3.3%
61.7%	2,347	2,419	73	3.1%
63.0%	2,235	2,378	143	6.4%
64.2%	2,155	2,167	12	0.5%
65.4%	2,131	2,150	19	0.9%
66.7%	2,098	2,149	51	2.4%
67.9%	2,086	2,146	60	2.9%
69.1%	2,042	2,124	82	4.0%
70.4%	2,011	2,119	108	5.4%
71.6%	1,992	2,085	93	4.7%
72.8%	1,967	2,069	103	5.2%
74.1%	1,928	1,978	51	2.6%
75.3%	1,915	1,956	40	2.1%
76.5%	1,895	1,953	58	3.1%
77.8%	1,866	1,908	42	2.3%
79.0%	1,838	1,867	29	1.6%
80.2%	1,829	1,864	35	1.9%
81.5%	1,818	1,849	31	1.7%
82.7%	1,808	1,836	28	1.5%
84.0%	1,795	1,834	39	2.2%
85.2%	1,782	1,815	33	1.9%
86.4%	1,698	1,766	68	4.0%
87.7%	1,648	1,701	53	3.2%
88.9%	1,569	1,586	17	1.1%
90.1%	1,489	1,510	21	1.4%
91.4%	1,416	1,464	48	3.4%
92.6%	1,322	1,419	97	7.3%
93.8%	1,264	1,408	144	11.4%
95.1%	1,212	1,327	115	9.5%
96.3%	1,201	1,291	90	7.5%
97.5%	1,199	1,228	29	2.4%
98.8%	1,168	1,210	42	3.6%
100.0%	978	1,187	209	21.4%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,059	3,163	0	0.0%
2.5%	3,162	3,163	1	0.0%
3.7%	3,133	3,162	29	0.9%
4.9%	3,123	3,133	10	0.3%
6.2%	3,123	3,123	3	0.1%
7.4%	3,105	3,120	15	0.5%
8.6%	3,096	3,105	9	0.3%
9.9%	3,063	3,096	33	1.1%
11.1%	3,059	3,063	4	0.1%
12.3%	3,059	3,059	1	0.0%
13.6%	3,054	3,058	4	0.1%
14.8%	3,036	3,054	18	0.6%
16.0%	3,028	3,036	8	0.3%
17.3%	3,027	3,028	1	0.0%
18.5%	3,024	3,027	3	0.1%
19.8%	3,018	3,024	6	0.2%
21.0%	2,999	3,018	19	0.6%
22.2%	2,955	3,001	6	0.2%
23.5%	2,990	2,999	9	0.3%
24.7%	2,988	2,995	7	0.2%
25.9%	2,978	2,990	12	0.4%
27.2%	2,964	2,988	24	0.8%
28.4%	2,964	2,964	0	0.0%
29.6%	2,954	2,964	10	0.3%
30.9%	2,951	2,954	3	0.1%
32.1%	2,944	2,951	7	0.2%
33.3%	2,943	2,944	1	0.0%
34.6%	2,937	2,943	6	0.2%
35.8%	2,936	2,937	1	0.0%
37.0%	2,927	2,936	9	0.3%
38.3%	2,922	2,927	5	0.2%
39.5%	2,918	2,922	4	0.1%
40.7%	2,909	2,918	9	0.3%
42.0%	2,860	2,865	5	0.2%
43.2%	2,847	2,854	7	0.2%
44.4%	2,833	2,847	14	0.5%
45.7%	2,817	2,833	16	0.6%
46.9%	2,817	2,831	14	0.5%
48.1%	2,814	2,817	3	0.1%
49.4%	2,807	2,817	13	0.5%
50.6%	2,797	2,803	6	0.2%
51.9%	2,788	2,797	9	0.3%
53.1%	2,788	2,788	0	0.0%
54.3%	2,788	2,788	0	0.0%
55.6%	2,788	2,788	0	0.0%
56.8%	2,788	2,788	0	0.0%
58.0%	2,788	2,788	0	0.0%
59.3%	2,788	2,788	0	0.0%
60.5%	2,759	2,788	29	1.1%
61.7%	2,738	2,781	43	1.6%
63.0%	2,689	2,753	63	2.4%
64.2%	2,680	2,730	50	1.9%
65.4%	2,523	2,655	132	5.2%
66.7%	2,481	2,625	144	5.8%
67.9%	2,427	2,553	126	5.2%
69.1%	2,378	2,443	65	2.7%
70.4%	2,334	2,442	108	4.6%
71.6%	2,328	2,393	65	2.8%
72.8%	2,272	2,371	99	4.3%
74.1%	2,239	2,333	94	4.2%
75.3%	2,235	2,298	63	2.8%
76.5%	2,180	2,283	104	4.8%
77.8%	2,173	2,254	81	3.7%
79.0%	2,144	2,223	79	3.7%
80.2%	2,127	2,207	80	3.8%
81.5%	2,125	2,095	-29	-1.4%
82.7%	2,104	2,076	-28	-1.3%
84.0%	2,053	2,052	-1	0.0%
85.2%	2,005	2,040	35	1.7%
86.4%	1,961	2,010	49	2.5%
87.7%	1,867	1,961	95	5.1%
88.9%	1,851	1,901	50	2.7%
90.1%	1,765	1,941	39	2.0%
91.4%	1,554	1,672	118	7.6%
92.6%	1,453	1,658	175	11.8%
93.8%	1,475	1,572	97	6.6%
95.1%	1,464	1,557	94	6.4%
96.3%	1,441	1,557	116	8.0%
97.5%	1,363	1,511	148	10.9%
98.8%	1,289	1,422	133	10.3%
100.0%	1,211	1,223	12	1.0%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,456	3,456	0	0.0%
2.5%	3,452	3,452	0	0.0%
3.7%	3,446	3,446	0	0.0%
4.9%	3,433	3,433	0	0.0%
6.2%	3,427	3,427	0	0.0%
7.4%	3,396	3,396	0	0.0%
8.6%	3,389	3,388	0	0.0%
9.9%	3,362	3,362	0	0.0%
11.1%	3,362	3,362	0	0.0%
12.3%	3,357	3,357	0	0.0%
13.6%	3,354	3,354	0	0.0%
14.8%	3,354	3,354	0	0.0%
16.0%	3,352	3,352	0	0.0%
17.3%	3,350	3,350	0	0.0%
18.5%	3,334	3,334	0	0.0%
19.8%	3,324	3,324	0	0.0%
21.0%	3,305	3,305	0	0.0%
22.2%	3,303	3,303	0	0.0%
23.5%	3,298	3,298	0	0.0%
24.7%	3,296	3,296	0	0.0%
25.9%	3,294	3,294	0	0.0%
27.2%	3,292	3,292	0	0.0%
28.4%	3,292	3,292	0	0.0%
29.6%	3,284	3,284	0	0.0%
30.9%	3,281	3,281	0	0.0%
32.1%	3,277	3,277	0	0.0%
33.3%	3,277	3,277	0	0.0%
34.6%	3,241	3,241	0	0.0%
35.8%	3,238	3,238	0	0.0%
37.0%	3,236	3,236	0	0.0%
38.3%	3,235	3,235	0	0.0%
39.5%	3,234	3,234	0	0.0%
40.7%	3,218	3,227	9	0.3%
42.0%	3,208	3,218	10	0.3%
43.2%	3,208	3,208	0	0.0%
44.4%	3,203	3,208	5	0.1%
45.7%	3,190	3,206	16	0.5%
46.9%	3,181	3,203	22	0.7%
48.1%	3,180	3,190	10	0.3%
49.4%	3,167	3,181	14	0.5%
50.6%	3,143	3,180	37	1.2%
51.9%	3,139	3,172	33	1.1%
53.1%	3,134	3,167	32	1.0%
54.3%	3,121	3,165	43	1.4%
55.6%	3,097	3,162	65	2.1%
56.8%	3,086	3,143	57	1.8%
58.0%	3,066	3,139	73	2.4%
59.3%	3,065	3,105	40	1.3%
60.5%	3,031	3,086	56	1.8%
61.7%	2,960	3,083	123	4.1%
63.0%	2,940	3,041	101	3.4%
64.2%	2,901	2,912	10	0.4%
65.4%	2,865	2,909	43	1.5%
66.7%	2,829	2,887	58	2.1%
67.9%	2,679	2,890	200	7.5%
69.1%	2,677	2,711	34	1.3%
70.4%	2,670	2,687	17	0.6%
71.6%	2,626	2,657	31	1.2%
72.8%	2,622	2,650	27	1.0%
74.1%	2,533	2,641	107	4.2%
75.3%	2,458	2,620	162	6.6%
76.5%	2,424	2,597	172	7.1%
77.8%	2,404	2,573	169	7.0%
79.0%	2,399	2,434	35	1.5%
80.2%	2,394	2,356	-38	-1.6%
81.5%	2,289	2,352	63	2.8%
82.7%	2,273	2,338	65	2.9%
84.0%	2,258	2,337	79	3.5%
85.2%	2,252	2,218	-34	-1.5%
86.4%	2,076	2,172	96	4.6%
87.7%	2,072	2,143	71	3.4%
88.9%	1,935	1,954	18	0.9%
90.1%	1,902	1,941	39	2.0%
91.4%	1,753	1,890	137	7.8%
92.6%	1,688	1,698	10	0.6%
93.8%	1,604	1,732	127	7.9%
95.1%	1,534	1,693	159	10.4%
96.3%	1,522	1,592	69	4.5%
97.5%	1,395	1,537	142	10.2%
98.8%	1,360	1,303	-57</	

Table SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,538	3,538	0	0.0%	
1.2%	3,538	3,538	0	0.0%	
2.5%	3,538	3,538	0	0.0%	
3.7%	3,538	3,538	0	0.0%	
4.9%	3,538	3,538	0	0.0%	
6.2%	3,538	3,538	0	0.0%	
7.4%	3,538	3,538	0	0.0%	
8.6%	3,538	3,538	0	0.0%	
9.9%	3,538	3,538	0	0.0%	
11.1%	3,538	3,538	0	0.0%	
12.3%	3,538	3,537	-1	0.0%	
13.6%	3,538	3,537	-1	0.0%	
14.8%	3,538	3,537	-1	0.0%	
16.0%	3,538	3,535	-3	-0.1%	
17.3%	3,538	3,533	-5	-0.1%	
18.5%	3,538	3,520	-18	-0.5%	
19.8%	3,538	3,513	-25	-0.7%	
21.0%	3,538	3,510	-28	-0.8%	
22.2%	3,538	3,510	-28	-0.8%	
23.5%	3,538	3,509	-29	-0.8%	
24.7%	3,538	3,509	-29	-0.8%	
25.9%	3,538	3,508	-30	-0.8%	
27.2%	3,538	3,508	-30	-0.8%	
28.4%	3,538	3,508	-30	-0.8%	
29.6%	3,538	3,497	-41	-1.2%	
30.9%	3,538	3,495	-43	-1.2%	
32.1%	3,495	3,475	-20	-0.6%	
33.3%	3,486	3,426	-60	-1.7%	
34.6%	3,467	3,399	-68	-2.0%	
35.8%	3,424	3,398	-26	-0.8%	
37.0%	3,422	3,391	-31	-0.9%	
38.3%	3,349	3,379	29	0.9%	
39.5%	3,305	3,366	61	1.8%	
40.7%	3,279	3,308	28	0.9%	
42.0%	3,260	3,298	38	1.2%	
43.2%	3,258	3,238	-20	-0.6%	
44.4%	3,212	3,218	7	0.2%	
45.7%	3,210	3,196	-14	-0.4%	
46.9%	3,193	3,186	-7	-0.2%	
48.1%	3,167	3,170	3	0.1%	
49.4%	3,129	3,166	37	1.2%	
50.6%	3,103	3,137	34	1.1%	
51.9%	3,101	3,130	29	0.9%	
53.1%	3,082	3,108	26	0.8%	
54.3%	3,054	3,098	45	1.5%	
55.6%	3,030	3,081	51	1.7%	
56.8%	2,991	3,028	37	1.2%	
58.0%	2,949	3,003	54	1.8%	
59.3%	2,924	2,961	37	1.3%	
60.5%	2,886	2,924	38	1.3%	
61.7%	2,883	2,894	11	0.4%	
63.0%	2,871	2,893	22	0.8%	
64.2%	2,847	2,848	1	0.0%	
65.4%	2,826	2,796	-30	-1.1%	
66.7%	2,703	2,748	45	1.7%	
67.9%	2,687	2,744	58	2.1%	
69.1%	2,681	2,700	19	0.7%	
70.4%	2,635	2,693	58	2.2%	
71.6%	2,595	2,676	81	3.1%	
72.8%	2,578	2,666	88	3.4%	
74.1%	2,544	2,647	103	4.1%	
75.3%	2,477	2,617	140	5.7%	
76.5%	2,363	2,583	220	9.3%	
77.8%	2,315	2,380	65	2.8%	
79.0%	2,299	2,364	65	2.8%	
80.2%	2,294	2,362	68	2.9%	
81.5%	2,271	2,305	34	1.5%	
82.7%	2,151	2,261	109	5.1%	
84.0%	2,142	2,238	96	4.5%	
85.2%	2,019	2,214	195	9.7%	
86.4%	1,836	2,056	220	12.0%	
87.7%	1,782	1,985	203	11.4%	
88.9%	1,777	1,791	15	0.8%	
90.1%	1,714	1,782	68	4.0%	
91.4%	1,672	1,734	62	3.7%	
92.6%	1,651	1,705	55	3.3%	
93.8%	1,484	1,569	85	5.7%	
95.1%	1,384	1,531	147	10.6%	
96.3%	1,319	1,317	-1	-0.1%	
97.5%	1,165	1,263	99	8.5%	
98.8%	1,112	1,226	114	10.2%	
100.0%	824	837	13	1.6%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,538	3,538	0	0.0%	
1.2%	3,538	3,538	0	0.0%	
2.5%	3,538	3,537	-1	0.0%	
3.7%	3,538	3,475	-63	-1.8%	
4.9%	3,538	3,464	-74	-2.1%	
6.2%	3,538	3,447	-91	-2.6%	
7.4%	3,538	3,375	-163	-4.6%	
8.6%	3,374	3,347	-27	-0.8%	
9.9%	3,324	3,238	-86	-2.6%	
11.1%	3,220	3,223	3	0.1%	
12.3%	3,197	3,184	-13	-0.4%	
13.6%	3,170	3,152	-18	-0.6%	
14.8%	3,130	3,140	10	0.3%	
16.0%	3,115	3,106	-9	-0.3%	
17.3%	3,095	3,085	-9	-0.3%	
18.5%	3,059	3,074	15	0.5%	
19.8%	3,031	3,009	-22	-0.7%	
21.0%	3,027	2,999	-28	-0.9%	
22.2%	3,021	2,994	-27	-0.9%	
23.5%	3,009	2,991	-18	-0.6%	
24.7%	2,999	2,976	-23	-0.8%	
25.9%	2,993	2,970	-23	-0.8%	
27.2%	2,976	2,965	-11	-0.4%	
28.4%	2,973	2,949	-24	-0.8%	
29.6%	2,956	2,914	-42	-1.4%	
30.9%	2,944	2,914	-30	-1.0%	
32.1%	2,898	2,898	0	0.0%	
33.3%	2,893	2,876	-17	-0.6%	
34.6%	2,859	2,812	-48	-1.7%	
35.8%	2,824	2,801	-24	-0.8%	
37.0%	2,811	2,791	-19	-0.7%	
38.3%	2,752	2,785	33	1.2%	
39.5%	2,680	2,785	105	3.9%	
40.7%	2,663	2,739	76	2.9%	
42.0%	2,645	2,680	35	1.3%	
43.2%	2,644	2,672	28	1.1%	
44.4%	2,636	2,625	-11	-0.4%	
45.7%	2,635	2,621	-14	-0.5%	
46.9%	2,622	2,608	-14	-0.5%	
48.1%	2,553	2,607	54	2.1%	
49.4%	2,539	2,582	43	1.7%	
50.6%	2,535	2,543	8	0.3%	
51.9%	2,523	2,520	-3	-0.1%	
53.1%	2,464	2,499	35	1.4%	
54.3%	2,457	2,486	28	1.2%	
55.6%	2,412	2,457	45	1.9%	
56.8%	2,393	2,453	61	2.5%	
58.0%	2,313	2,365	52	2.2%	
59.3%	2,307	2,343	36	1.6%	
60.5%	2,301	2,331	31	1.3%	
61.7%	2,298	2,278	-19	-0.8%	
63.0%	2,275	2,278	3	0.1%	
64.2%	2,240	2,263	23	1.0%	
65.4%	2,191	2,175	-16	-0.7%	
66.7%	2,076	2,163	87	4.2%	
67.9%	2,074	2,110	36	1.7%	
69.1%	2,074	2,096	22	1.1%	
70.4%	2,068	2,088	20	1.0%	
71.6%	2,060	2,082	22	1.1%	
72.8%	2,037	2,068	31	1.5%	
74.1%	1,960	2,028	68	3.5%	
75.3%	1,883	2,016	133	7.1%	
76.5%	1,779	2,007	228	12.8%	
77.8%	1,774	1,879	106	6.0%	
79.0%	1,717	1,839	122	7.1%	
80.2%	1,686	1,816	130	7.7%	
81.5%	1,679	1,809	130	7.7%	
82.7%	1,583	1,734	151	9.5%	
84.0%	1,556	1,715	159	10.2%	
85.2%	1,555	1,625	70	4.5%	
86.4%	1,307	1,515	208	15.9%	
87.7%	1,210	1,389	179	14.8%	
88.9%	1,207	1,274	66	5.5%	
90.1%	1,176	1,260	84	7.1%	
91.4%	1,162	1,233	71	6.1%	
92.6%	1,011	1,194	183	18.1%	
93.8%	983	1,125	142	14.4%	
95.1%	975	1,093	117	12.0%	
96.3%	973	1,040	67	6.9%	
97.5%	970	939	-31	-3.2%	
98.8%	838	832	-6	-0.7%	
100.0%	767	780	13	1.7%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,538	3,456	-82	-2.3%	
1.2%	3,538	3,448	-90	-2.5%	
2.5%	3,526	3,407	-119	-3.4%	
3.7%	3,486	3,389	-97	-2.8%	
4.9%	3,469	3,306	-163	-4.7%	
6.2%	3,426	3,266	-160	-4.6%	
7.4%	3,315	3,262	-52	-1.6%	
8.6%	3,284	3,221	-63	-1.9%	
9.9%	3,211	3,138	-73	-2.3%	
11.1%	3,204	3,131	-74	-2.3%	
12.3%	3,004	3,018	14	0.5%	
13.6%	2,991	2,993	2	0.1%	
14.8%	2,988	2,978	-10	-0.3%	
16.0%	2,932	2,927	-5	-0.2%	
17.3%	2,912	2,864	-47	-1.6%	
18.5%	2,837	2,862	25	0.9%	
19.8%	2,811	2,846	35	1.3%	
21.0%	2,793	2,829	35	1.3%	
22.2%	2,714	2,791	78	2.9%	
23.5%	2,711	2,776	65	2.4%	
24.7%	2,675	2,766	91	3.4%	
25.9%	2,622	2,724	102	3.9%	
27.2%	2,617	2,703	86	3.3%	
28.4%	2,551	2,671	119	4.7%	
29.6%	2,551	2,588	37	1.4%	
30.9%	2,538	2,569	30	1.2%	
32.1%	2,516	2,555	39	1.6%	
33.3%	2,492	2,554	62	2.5%	
34.6%	2,439	2,531	92	3.8%	
35.8%	2,414	2,492	78	3.2%	
37.0%	2,359	2,441	83	3.5%	
38.3%	2,341	2,353	11	0.5%	
39.5%	2,279	2,341	62	2.7%	
40.7%	2,275	2,314	39	1.7%	
42.0%	2,266	2,312	45	2.0%	
43.2%	2,248	2,304	57	2.5%	
44.4%	2,247	2,303	56	2.5%	
45.7%	2,226	2,278	52	2.3%	
46.9%	2,218	2,213	-5	-0.2%	
48.1%	2,192	2,211	20	0.9%	
49.4%	2,172	2,201	30	1.4%	
50.6%	2,117	2,193	76	3.6%	
51.9%	2,077	2,176	98	4.7%	
53.1%	2,069	2,161	92	4.4%	
54.3%	2,030	2,072	42	2.1%	
55.6%	2,023	2,058	36	1.8%	
56.8%	1,989	2,026	37	1.9%	
58.0%	1,948	1,952	4	0.2%	
59.3%	1,879	1,868	-10	-0.6%	
60.5%	1,865	1,847	-19	-1.0%	
61.7%	1,853	1,833	-20	-1.1%	
63.0%	1,826	1,830	4	0.2%	
64.2%	1,774	1,757	-17	-0.9%	
65.4%	1,742	1,737	-5	-0.3%	
66.7%	1,728	1,701	-27	-1.6%	
67.9%	1,676	1,654	-22	-1.3%	
69.1%	1,658	1,651	-8	-0.5%	
70.4%	1,624	1,623	-1	-0.1%	
71.6%	1,608	1,603	-5	-0.3%	
72.8%	1,513	1,588	74	4.9%	
74.1%	1,476	1,562	86	5.9%	
75.3%	1,462				

Table SW-19-3a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	751	757	772	792	812	830	850	859	850	810	782	757
Alternative A	755	761	777	797	816	833	853	863	853	813	785	760
Difference	4	4	5	4	4	3	3	3	3	3	3	2
Percent Difference ³	0.5%	0.5%	0.7%	0.6%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%
Water Year Types²												
Wet (32%)												
No Action Alternative	813	818	824	839	854	859	884	898	896	872	858	822
Alternative A	814	819	826	840	854	859	884	898	895	871	857	821
Difference	1	1	2	1	0	0	0	0	-1	-1	0	-1
Percent Difference	0.1%	0.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Above Normal (15%)												
No Action Alternative	778	783	793	808	835	858	883	897	890	851	822	786
Alternative A	779	783	798	811	838	859	884	897	889	849	822	785
Difference	0	0	4	3	3	0	0	0	-1	-2	0	-1
Percent Difference	0.1%	0.0%	0.5%	0.4%	0.3%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	-0.1%
Below Normal (17%)												
No Action Alternative	769	775	795	783	809	831	861	876	869	828	791	774
Alternative A	776	783	800	795	817	837	866	881	872	831	797	779
Difference	7	7	5	11	8	6	5	5	3	4	6	5
Percent Difference	0.9%	0.9%	0.6%	1.5%	1.0%	0.7%	0.6%	0.6%	0.4%	0.5%	0.8%	0.7%
Dry (22%)												
No Action Alternative	696	706	732	763	786	816	832	836	819	764	718	703
Alternative A	698	708	738	765	789	819	835	840	824	771	720	703
Difference	2	2	6	2	2	3	3	4	5	7	2	0
Percent Difference	0.3%	0.3%	0.8%	0.3%	0.3%	0.4%	0.4%	0.5%	0.7%	1.0%	0.3%	-0.1%
Critical (15%)												
No Action Alternative	649	653	671	729	739	757	757	754	733	683	662	652
Alternative A	663	667	684	739	749	765	767	765	745	695	674	665
Difference	13	13	13	10	10	9	10	10	12	12	13	12
Percent Difference	2.0%	2.0%	1.9%	1.3%	1.3%	1.2%	1.3%	1.4%	1.7%	1.8%	1.9%	1.9%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

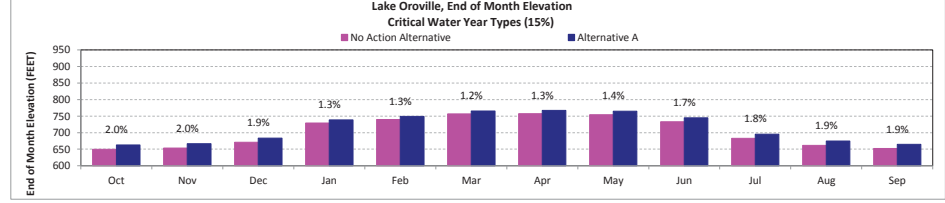
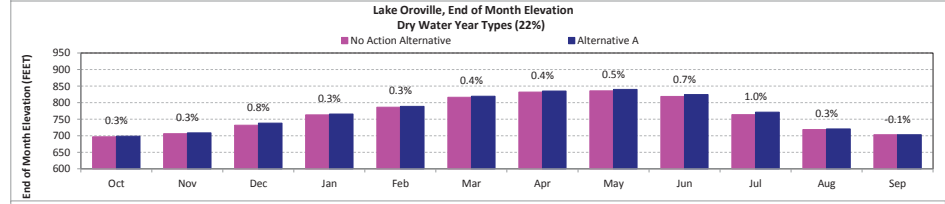
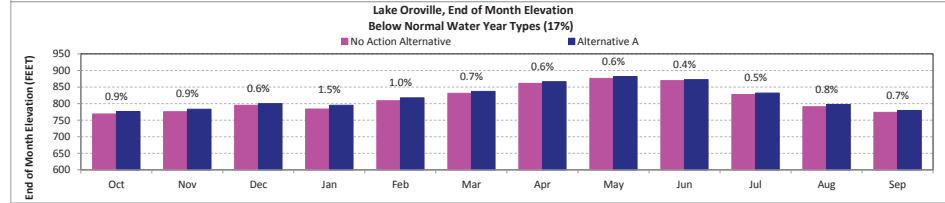
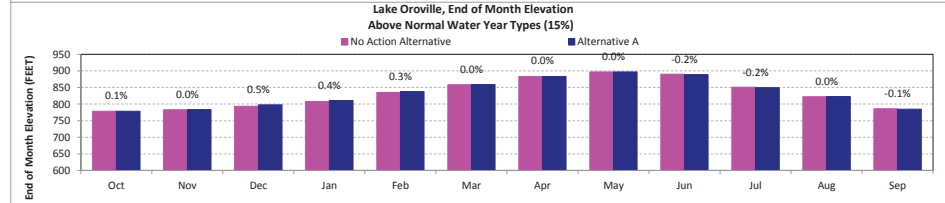
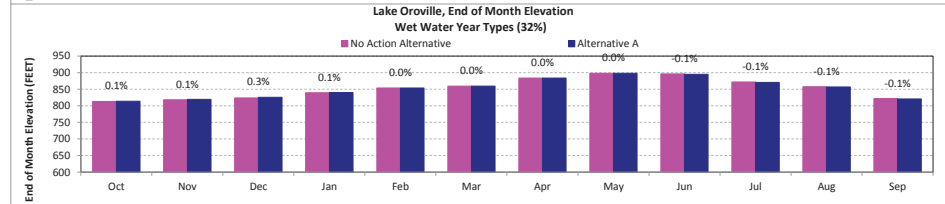
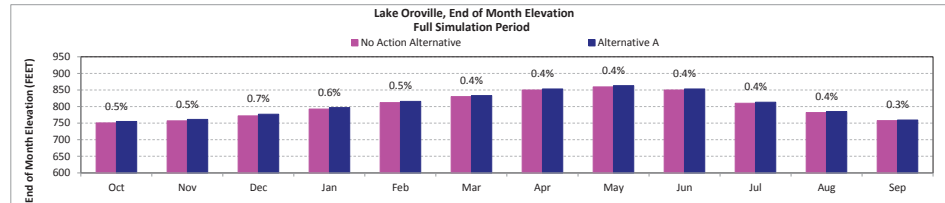


Figure SW-19-3b
Lake Oroville, End of Month Elevation
Probability of Exceedance

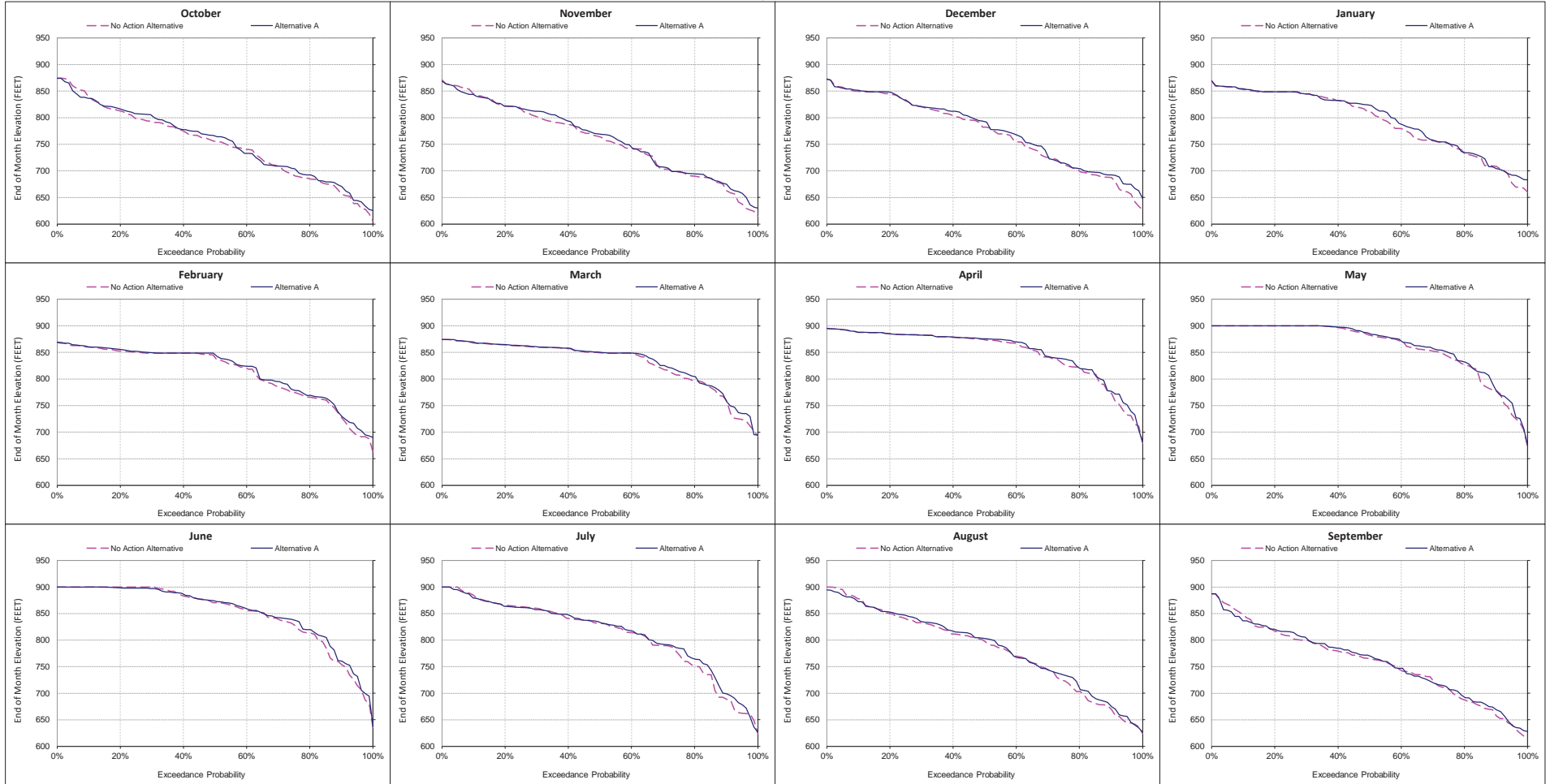


Table SW-19-3b
Lake Oroville, End of Month Elevation
Probability of Exceedance

October					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	874	874	0	0.0%	
1.2%	874	874	0	0.0%	
2.5%	873	868	-6	-0.7%	
3.7%	870	865	-5	-0.6%	
4.9%	860	851	-9	-1.0%	
6.2%	845	845	-11	-1.2%	
7.4%	852	839	-13	-1.6%	
8.6%	850	839	-12	-1.4%	
9.9%	840	836	-3	-0.4%	
11.1%	834	836	2	0.2%	
12.3%	830	832	2	0.2%	
13.6%	838	825	-3	-0.4%	
14.8%	821	822	1	0.1%	
16.0%	818	821	4	0.4%	
17.3%	816	821	5	0.6%	
18.5%	815	819	4	0.5%	
19.8%	813	817	4	0.5%	
21.0%	811	815	4	0.4%	
22.2%	806	812	6	0.7%	
23.5%	805	811	6	0.7%	
24.7%	799	809	9	1.1%	
25.9%	797	817	10	1.2%	
27.2%	797	806	10	1.2%	
28.4%	794	806	12	1.6%	
29.6%	793	806	12	1.6%	
30.9%	791	800	9	1.1%	
32.1%	791	798	5	0.7%	
33.3%	790	796	6	0.8%	
34.6%	785	792	7	0.9%	
35.8%	783	790	7	0.9%	
37.0%	783	795	2	0.2%	
38.3%	778	780	2	0.2%	
39.5%	777	778	1	0.2%	
40.7%	772	777	5	0.7%	
42.0%	768	775	8	1.0%	
43.2%	767	775	8	1.0%	
44.4%	767	774	7	1.0%	
45.7%	763	769	6	0.9%	
46.9%	762	769	7	0.9%	
48.1%	759	767	8	1.0%	
49.4%	756	767	11	1.4%	
50.6%	753	764	10	1.3%	
51.9%	754	764	10	1.3%	
53.1%	751	762	11	1.4%	
54.3%	748	758	10	1.4%	
55.6%	744	755	11	1.5%	
56.8%	744	744	0	0.0%	
58.0%	743	739	-4	-0.5%	
59.3%	740	733	-7	-1.0%	
60.5%	740	733	-7	-1.0%	
61.7%	739	733	-7	-1.0%	
63.0%	729	725	-5	-0.7%	
64.2%	725	720	-5	-0.7%	
65.4%	718	712	-6	-0.9%	
66.7%	716	711	-5	-0.7%	
67.9%	711	711	-1	-0.1%	
69.1%	709	709	-2	-0.2%	
70.4%	709	709	0	0.0%	
71.6%	701	708	7	1.0%	
72.8%	697	708	10	1.5%	
74.1%	695	705	11	1.5%	
75.3%	690	703	13	1.9%	
76.5%	689	696	7	1.0%	
77.8%	687	693	6	0.9%	
79.0%	686	692	6	0.9%	
80.2%	684	692	8	1.1%	
81.5%	684	689	6	0.8%	
82.7%	681	682	0	0.0%	
84.0%	677	681	4	0.6%	
85.2%	675	679	4	0.6%	
86.4%	675	679	4	0.6%	
87.7%	672	678	6	0.9%	
88.9%	664	674	9	1.4%	
90.1%	656	671	15	2.3%	
91.4%	653	662	9	1.4%	
92.6%	652	663	11	1.7%	
93.8%	639	645	6	0.9%	
95.1%	639	644	5	0.8%	
96.3%	629	642	13	2.0%	
97.5%	628	634	6	0.9%	
98.8%	619	627	8	1.3%	
100.0%	605	625	20	3.3%	

November					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	869	873	3	0.3%	
1.2%	864	864	0	0.0%	
2.5%	862	862	0	0.0%	
3.7%	861	860	-1	-0.1%	
4.9%	860	852	-7	-0.9%	
6.2%	847	849	2	0.2%	
7.4%	856	846	-10	-1.1%	
8.6%	854	844	-10	-1.1%	
9.9%	845	844	-1	-0.1%	
11.1%	841	840	-2	-0.2%	
12.3%	841	838	-2	-0.3%	
13.6%	838	827	-1	-0.1%	
14.8%	838	836	-2	-0.2%	
16.0%	833	830	-3	-0.3%	
17.3%	827	827	1	0.1%	
18.5%	824	827	3	0.3%	
19.8%	822	822	-1	-0.1%	
21.0%	822	821	0	0.0%	
22.2%	821	821	0	0.0%	
23.5%	820	821	1	0.1%	
24.7%	819	817	-3	-0.3%	
25.9%	817	817	5	0.6%	
27.2%	810	814	5	0.6%	
28.4%	805	813	8	1.0%	
29.6%	803	812	9	1.2%	
30.9%	800	812	12	1.6%	
32.1%	797	811	14	1.7%	
33.3%	794	808	14	1.7%	
34.6%	793	806	13	1.6%	
35.8%	791	805	14	1.8%	
37.0%	790	801	11	1.3%	
38.3%	789	798	9	1.1%	
39.5%	787	795	7	0.9%	
40.7%	787	792	6	0.7%	
42.0%	784	784	-1	-0.1%	
43.2%	775	782	7	0.9%	
44.4%	773	778	5	0.6%	
45.7%	771	776	6	0.7%	
46.9%	770	773	3	0.4%	
48.1%	767	771	4	0.5%	
49.4%	765	770	5	0.6%	
50.6%	763	769	6	0.8%	
51.9%	757	768	11	1.4%	
53.1%	756	767	11	1.5%	
54.3%	753	763	10	1.3%	
55.6%	750	758	8	1.1%	
56.8%	749	755	6	0.9%	
58.0%	743	750	7	0.9%	
59.3%	742	749	7	0.9%	
60.5%	742	741	-1	-0.1%	
61.7%	741	741	-1	-0.1%	
63.0%	741	736	-5	-0.7%	
64.2%	732	736	3	0.5%	
65.4%	729	733	4	0.6%	
66.7%	728	721	-7	-0.9%	
67.9%	713	710	-3	-0.4%	
69.1%	704	708	4	0.6%	
70.4%	703	707	4	0.6%	
71.6%	703	705	2	0.3%	
72.8%	699	699	0	0.0%	
74.1%	699	699	0	0.0%	
75.3%	697	699	2	0.2%	
76.5%	697	696	0	-0.1%	
77.8%	691	695	4	0.6%	
79.0%	691	695	4	0.6%	
80.2%	690	694	4	0.6%	
81.5%	688	694	6	0.8%	
82.7%	688	694	6	0.8%	
84.0%	687	688	0	0.0%	
85.2%	686	686	0	0.0%	
86.4%	686	682	-4	-0.4%	
87.7%	688	680	-8	-0.9%	
88.9%	675	677	1	0.2%	
90.1%	662	675	13	1.9%	
91.4%	659	666	7	1.1%	
92.6%	657	663	6	0.9%	
93.8%	642	661	20	3.1%	
95.1%	637	658	20	3.2%	
96.3%	629	650	21	3.4%	
97.5%	626	636	10	1.6%	
98.8%	624	632	8	1.3%	
100.0%	615	630	15	2.5%	

December					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	873	873	0	0.0%	
1.2%	871	871	0	0.0%	
2.5%	861	858	-3	-0.3%	
3.7%	858	858	-1	-0.1%	
4.9%	858	855	-2	-0.3%	
6.2%	854	854	0	0.0%	
7.4%	852	854	2	0.2%	
8.6%	850	852	2	0.3%	
9.9%	850	852	2	0.3%	
11.1%	849	850	1	0.1%	
12.3%	849	850	1	0.1%	
13.6%	849	850	0	0.0%	
14.8%	849	849	0	0.0%	
16.0%	849	849	0	0.0%	
17.3%	847	849	1	0.2%	
18.5%	845	849	3	0.4%	
19.8%	845	848	3	0.3%	
21.0%	843	846	3	0.4%	
22.2%	843	841	-2	-0.2%	
23.5%	836	837	1	0.1%	
24.7%	835	832	-2	-0.3%	
25.9%	830	829	-1	-0.1%	
27.2%	823	823	1	0.1%	
28.4%	822	823	1	0.1%	
29.6%	821	821	0	0.1%	
30.9%	819	819	0	0.0%	
32.1%	816	819	3	0.3%	
33.3%	815	818	3	0.4%	
34.6%	814	818	4	0.5%	
35.8%	812	817	5	0.6%	
37.0%	816	816	9	1.0%	
38.3%	807	798	-9	-1.1%	
39.5%	805	812	7	0.9%	
40.7%	802	812	10	1.3%	
42.0%	801	811	10	1.3%	
43.2%	805	805	9	1.1%	
44.4%	796	804	8	1.0%	
45.7%	795	800	5	0.6%	
46.9%	795	797	2	0.3%	
48.1%	792	795	3	0.4%	
49.4%	793	793	11	1.4%	
50.6%	782	792	9	1.2%	
51.9%	780	778	-2	-0.3%	
53.1%	775	778	3	0.4%	
54.3%	770	777	8	1.0%	
55.6%	769	776	7	0.9%	
56.8%	769	774	5	0.7%	
58.0%	767	772	6	0.8%	
59.3%	756	769	13	1.7%	
60.5%	754	767	12	1.6%	
61.7%	754	763	9	1.2%	
63.0%	744	753	9	1.3%	
64.2%	743	752	9	1.3%	
65.4%	740	749	9	1.3%	
66.7%	738	747	10	1.3%	
67.9%	729	746	17	2.3%	
69.1%	726	739	13	1.8%	
70.4%	725	723	-2	-0.3%	
71.6%	723	721	-2	-0.3%	
72.8%	721	719	-3	-0.4%	
74.1%	715	715	1	0.1%	
75.3%	711	714	3	0.4%	
76.5%	709	711	3	0.4%	
77.8%	705	706	0	0.0%	
79.0%	705	705	0	0.0%	
80.2%	698	704	6	0.9%	
81.5%	697	700	3	0.4%	
82.7%	696	698	2	0.3%	
84.0%	693	698	5	0.7%	
85.2%	693	697	5	0.7%	
86.4%	690	697	7	1.0%	
87.7%	688	694	6	0.8%	
88.9%	688	692	4	0.6%	
90.1%	687	692	5	0.7%	
91.4%	679	691	12	1.8%	
92.6%	668	701	34	5.1%	
93.8%	661	676	15	2.2%	
95.1%	661	675	14	2.1%	
96.3%	656	691	19	2.8%	
97.5%	641	667	26	4.0%	
98.8%	633	659	29	4.5%	
100.0%	627	648	21	3.4%	

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Table SW-19-3b
Lake Oroville, End of Month Elevation
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	869	874	1	0.1%	
1.2%	867	869	1	0.2%	
2.5%	867	867	0	0.0%	
3.7%	864	867	3	0.4%	
4.9%	863	864	1	0.1%	
6.2%	863	864	1	0.1%	
7.4%	862	871	6	0.7%	
8.6%	861	862	2	0.2%	
9.9%	860	861	1	0.1%	
11.1%	860	860	0	0.0%	
12.3%	859	860	1	0.1%	
13.6%	858	860	1	0.2%	
14.8%	856	859	3	0.3%	
16.0%	856	858	2	0.3%	
17.3%	855	858	2	0.3%	
18.5%	853	857	3	0.4%	
19.8%	853	856	3	0.4%	
21.0%	852	855	3	0.4%	
22.2%	852	853	2	0.2%	
23.5%	851	852	1	0.2%	
24.7%	850	852	2	0.2%	
25.9%	850	852	2	0.2%	
27.2%	849	850	1	0.1%	
28.4%	849	850	1	0.1%	
29.6%	849	850	1	0.1%	
30.9%	849	849	0	0.0%	
32.1%	849	849	0	0.0%	
33.3%	849	849	0	0.0%	
34.6%	849	849	0	0.0%	
35.8%	849	849	0	0.0%	
37.0%	849	849	0	0.0%	
38.3%	849	849	0	0.0%	
39.5%	849	849	0	0.0%	
40.7%	849	849	0	0.0%	
42.0%	849	849	0	0.0%	
43.2%	849	849	0	0.0%	
44.4%	849	849	0	0.0%	
45.7%	847	849	2	0.2%	
46.9%	846	849	2	0.3%	
48.1%	846	849	3	0.4%	
49.4%	845	849	3	0.4%	
50.6%	836	843	7	0.8%	
51.9%	835	838	4	0.4%	
53.1%	833	837	5	0.6%	
54.3%	829	836	7	0.9%	
55.6%	828	833	5	0.7%	
56.8%	826	827	1	0.1%	
58.0%	822	825	3	0.3%	
59.3%	822	824	2	0.3%	
60.5%	818	824	6	0.7%	
61.7%	818	824	5	0.6%	
63.0%	807	821	14	1.7%	
64.2%	799	800	1	0.2%	
65.4%	796	798	2	0.2%	
66.7%	793	798	5	0.7%	
67.9%	792	796	6	0.8%	
69.1%	787	796	8	1.1%	
70.4%	784	795	11	1.4%	
71.6%	782	792	10	1.2%	
72.8%	779	790	11	1.4%	
74.1%	775	781	5	0.7%	
75.3%	774	778	4	0.5%	
76.5%	772	778	6	0.8%	
77.8%	769	773	4	0.6%	
79.0%	766	769	3	0.4%	
80.2%	765	769	4	0.5%	
81.5%	764	767	3	0.4%	
82.7%	763	766	3	0.4%	
84.0%	762	766	4	0.5%	
85.2%	760	764	3	0.4%	
86.4%	752	759	7	0.9%	
87.7%	746	752	6	0.8%	
88.9%	736	738	2	0.3%	
90.1%	727	729	3	0.4%	
91.4%	718	724	6	0.8%	
92.6%	706	718	12	1.7%	
93.8%	699	717	18	2.5%	
95.1%	693	707	14	2.0%	
96.3%	692	703	11	1.6%	
97.5%	691	695	4	0.5%	
98.8%	689	693	5	0.8%	
100.0%	683	690	27	4.1%	

March					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	874	874	0	0.0%	
1.2%	874	874	0	0.0%	
2.5%	874	874	0	0.0%	
3.7%	872	874	2	0.2%	
4.9%	872	872	1	0.1%	
6.2%	871	872	1	0.1%	
7.4%	870	871	1	0.1%	
8.6%	870	870	1	0.1%	
9.9%	868	870	2	0.3%	
11.1%	867	868	0	0.0%	
12.3%	867	867	0	0.0%	
13.6%	867	867	0	0.0%	
14.8%	866	867	1	0.1%	
16.0%	865	866	1	0.1%	
17.3%	865	865	0	0.0%	
18.5%	865	865	0	0.0%	
19.8%	864	865	0	0.0%	
21.0%	863	864	1	0.2%	
22.2%	863	863	0	0.0%	
23.5%	863	863	1	0.1%	
24.7%	862	863	0	0.1%	
25.9%	862	863	1	0.1%	
27.2%	861	862	2	0.2%	
28.4%	861	861	0	0.0%	
29.6%	860	861	1	0.1%	
30.9%	860	860	0	0.0%	
32.1%	859	860	0	0.1%	
33.3%	859	859	0	0.0%	
34.6%	859	859	0	0.0%	
35.8%	859	859	0	0.0%	
37.0%	859	859	1	0.1%	
38.3%	858	858	0	0.0%	
39.5%	858	858	0	0.0%	
40.7%	857	858	1	0.1%	
42.0%	854	854	0	0.0%	
43.2%	853	853	0	0.0%	
44.4%	852	853	1	0.1%	
45.7%	851	852	1	0.1%	
46.9%	851	852	1	0.2%	
48.1%	851	851	0	0.0%	
49.4%	850	851	1	0.1%	
50.6%	849	850	0	0.1%	
51.9%	849	849	1	0.1%	
53.1%	849	849	0	0.0%	
54.3%	849	849	0	0.0%	
55.6%	849	849	0	0.0%	
56.8%	849	849	0	0.0%	
58.0%	849	849	0	0.0%	
59.3%	849	849	0	0.0%	
60.5%	847	849	2	0.2%	
61.7%	845	848	3	0.3%	
63.0%	846	846	4	0.5%	
64.2%	841	845	3	0.4%	
65.4%	831	840	9	1.1%	
66.7%	828	838	10	1.2%	
67.9%	824	833	9	1.0%	
69.1%	821	825	4	0.5%	
70.4%	817	825	8	1.0%	
71.6%	816	822	5	0.6%	
72.8%	811	820	9	1.2%	
74.1%	807	817	10	1.2%	
75.3%	807	813	6	0.8%	
76.5%	801	812	11	1.3%	
77.8%	801	809	8	1.0%	
79.0%	798	806	8	1.0%	
80.2%	796	804	8	1.0%	
81.5%	796	793	-3	-0.4%	
82.7%	794	791	-3	-0.4%	
84.0%	788	788	0	0.0%	
85.2%	783	787	4	0.5%	
86.4%	779	784	5	0.6%	
87.7%	769	779	10	1.3%	
88.9%	768	773	5	0.7%	
90.1%	759	757	-2	-0.2%	
91.4%	735	749	14	2.0%	
92.6%	726	747	21	2.9%	
93.8%	725	737	12	1.6%	
95.1%	724	735	11	1.6%	
96.3%	721	735	14	2.0%	
97.5%	711	729	18	2.5%	
98.8%	702	695	-7	-1.0%	
100.0%	693	694	1	0.2%	

April					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	895	895	0	0.0%	
1.2%	894	894	0	0.0%	
2.5%	894	894	0	0.0%	
3.7%	894	894	0	0.0%	
4.9%	893	893	0	0.0%	
6.2%	892	892	0	0.0%	
7.4%	890	890	0	0.0%	
8.6%	890	890	0	0.0%	
9.9%	888	888	0	0.0%	
11.1%	888	888	0	0.0%	
12.3%	888	888	0	0.0%	
13.6%	887	887	0	0.0%	
14.8%	887	887	0	0.0%	
16.0%	887	887	0	0.0%	
17.3%	887	887	0	0.0%	
18.5%	886	886	0	0.0%	
19.8%	885	885	0	0.0%	
21.0%	884	884	0	0.0%	
22.2%	884	884	0	0.0%	
23.5%	884	884	0	0.0%	
24.7%	883	883	0	0.0%	
25.9%	883	883	0	0.0%	
27.2%	883	883	0	0.0%	
28.4%	883	883	0	0.0%	
29.6%	883	883	0	0.0%	
30.9%	882	882	0	0.0%	
32.1%	882	882	0	0.0%	
33.3%	882	882	0	0.0%	
34.6%	880	880	0	0.0%	
35.8%	879	879	0	0.0%	
37.0%	879	879	0	0.0%	
38.3%	879	879	0	0.0%	
39.5%	879	879	0	0.0%	
40.7%	878	879	1	0.1%	
42.0%	877	878	1	0.1%	
43.2%	877	877	0	0.0%	
44.4%	877	877	0	0.0%	
45.7%	876	877	1	0.1%	
46.9%	876	877	2	0.2%	
48.1%	876	876	1	0.1%	
49.4%	875	876	1	0.1%	
50.6%	873	876	3	0.3%	
51.9%	873	875	2	0.3%	
53.1%	872	875	2	0.3%	
54.3%	872	874	3	0.3%	
55.6%	870	874	4	0.5%	
56.8%	869	873	4	0.4%	
58.0%	868	873	5	0.6%	
59.3%	868	870	3	0.3%	
60.5%	865	869	4	0.4%	
61.7%	861	869	8	1.0%	
63.0%	859	866	7	0.8%	
64.2%	856	857	1	0.1%	
65.4%	854	857	3	0.3%	
66.7%	852	856	4	0.5%	
67.9%	841	855	14	1.6%	
69.1%	843	845	2	0.3%	
70.4%	841	842	1	0.1%	
71.6%	838	840	2	0.3%	
72.8%	837	839	2	0.2%	
74.1%	831	839	7	0.9%	
75.3%	826	837	11	1.3%	
76.5%	824	836	12	1.4%	
77.8%	823	834	12	1.4%	
79.0%	822	825	2	0.3%	
80.2%	822	819	-3	-0.3%	
81.5%	812	819	6	0.8%	
82.7%	811	818	7	0.8%	
84.0%	809	817	8	1.0%	
85.2%	809	805	-4	-0.4%	
86.4%	791	801	10	1.3%	
87.7%	790	798	7	0.9%	
88.9%	776	778	2	0.2%	
90.1%	773	777	4	0.5%	
91.4%	757	772	14	1.9%	
92.6%	752	771	20	2.6%	
93.8%	741	755	15	2.0%	
95.1%	732	751	19	2.6%	
96.3%	731	739	8	1.2%	
97.5%	715	733	17	2.4%	
98.8%	711	704	-7	-1.0%	
100.0%	679	682	2	0.3%	

May					
Percent Exceedance Probability (%)					

Table SW-19-3b
Lake Oroville, End of Month Elevation
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	900	900	0	0.0%	
1.2%	900	900	0	0.0%	
2.5%	900	900	0	0.0%	
3.7%	900	900	0	0.0%	
4.9%	900	900	0	0.0%	
6.2%	900	900	0	0.0%	
7.4%	900	900	0	0.0%	
8.6%	900	900	0	0.0%	
9.9%	900	900	0	0.0%	
11.1%	900	900	0	0.0%	
12.3%	900	900	0	0.0%	
13.6%	900	900	0	0.0%	
14.8%	900	900	0	0.0%	
16.0%	900	900	0	0.0%	
17.3%	900	900	0	0.0%	
18.5%	900	899	-1	-0.1%	
19.8%	900	898	-2	-0.2%	
21.0%	900	898	-2	-0.2%	
22.2%	900	898	-2	-0.2%	
23.5%	900	898	-2	-0.2%	
24.7%	900	898	-2	-0.2%	
25.9%	900	898	-2	-0.2%	
27.2%	900	898	-2	-0.2%	
28.4%	900	898	-2	-0.2%	
29.6%	900	897	-3	-0.3%	
30.9%	900	897	-3	-0.3%	
32.1%	897	896	-1	-0.1%	
33.3%	896	892	-4	-0.5%	
34.6%	895	890	-5	-0.5%	
35.8%	892	890	-2	-0.2%	
37.0%	892	889	-3	-0.3%	
38.3%	887	889	2	0.2%	
39.5%	884	888	4	0.5%	
40.7%	882	884	2	0.2%	
42.0%	881	884	3	0.3%	
43.2%	881	879	-1	-0.2%	
44.4%	878	878	0	0.1%	
45.7%	878	877	-1	-0.1%	
46.9%	876	876	0	-0.1%	
48.1%	875	875	0	0.0%	
49.4%	871	875	4	0.4%	
50.6%	870	873	2	0.3%	
51.9%	870	872	2	0.2%	
53.1%	869	871	2	0.2%	
54.3%	867	870	3	0.4%	
55.6%	865	869	3	0.4%	
56.8%	863	865	3	0.3%	
58.0%	860	863	4	0.4%	
59.3%	858	861	3	0.3%	
60.5%	855	858	3	0.3%	
61.7%	855	856	1	0.1%	
63.0%	854	856	1	0.2%	
64.2%	853	853	0	0.0%	
65.4%	851	849	-2	-0.2%	
66.7%	843	846	3	0.4%	
67.9%	842	846	4	0.5%	
69.1%	841	843	1	0.2%	
70.4%	838	842	4	0.5%	
71.6%	836	841	6	0.7%	
72.8%	834	840	6	0.7%	
74.1%	832	839	7	0.8%	
75.3%	828	837	10	1.2%	
76.5%	820	835	15	1.8%	
77.8%	815	821	6	0.7%	
79.0%	814	820	6	0.8%	
80.2%	813	820	7	0.8%	
81.5%	811	814	4	0.4%	
82.7%	798	810	11	1.4%	
84.0%	797	807	10	1.2%	
85.2%	785	805	20	2.6%	
86.4%	766	789	23	2.9%	
87.7%	761	781	21	2.7%	
88.9%	760	761	2	0.2%	
90.1%	753	760	7	0.9%	
91.4%	749	756	6	0.9%	
92.6%	734	753	19	2.5%	
93.8%	726	736	10	1.4%	
95.1%	714	732	18	2.5%	
96.3%	706	706	0	0.0%	
97.5%	687	699	12	1.8%	
98.8%	681	695	14	2.0%	
100.0%	635	626	2	0.4%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	900	900	0	0.0%	
1.2%	900	900	0	0.0%	
2.5%	900	900	0	0.0%	
3.7%	900	896	-4	-0.5%	
4.9%	900	895	-5	-0.6%	
6.2%	894	892	-2	-0.2%	
7.4%	890	889	-1	-0.1%	
8.6%	889	887	-2	-0.2%	
9.9%	885	879	-6	-0.7%	
11.1%	878	878	0	0.0%	
12.3%	877	876	-1	-0.1%	
13.6%	875	874	-1	-0.1%	
14.8%	872	873	1	0.1%	
16.0%	871	870	-1	-0.1%	
17.3%	870	869	-1	-0.1%	
18.5%	867	868	1	0.1%	
19.8%	865	864	-1	-0.2%	
21.0%	865	863	-2	-0.2%	
22.2%	865	863	-2	-0.2%	
23.5%	864	862	-2	-0.2%	
24.7%	863	862	-2	-0.2%	
25.9%	863	861	-2	-0.2%	
27.2%	862	861	-1	-0.1%	
28.4%	861	860	-2	-0.2%	
29.6%	860	857	-3	-0.3%	
30.9%	859	857	-2	-0.2%	
32.1%	856	856	0	0.0%	
33.3%	856	855	-1	-0.1%	
34.6%	854	850	-3	-0.4%	
35.8%	851	850	-2	-0.2%	
37.0%	850	849	-1	-0.2%	
38.3%	848	849	2	0.3%	
39.5%	841	849	7	0.9%	
40.7%	840	845	5	0.6%	
42.0%	839	841	2	0.3%	
43.2%	839	841	2	0.3%	
44.4%	838	838	0	-0.1%	
45.7%	838	837	-1	-0.1%	
46.9%	837	836	-1	-0.1%	
48.1%	833	836	4	0.4%	
49.4%	832	835	3	0.4%	
50.6%	831	832	1	0.1%	
51.9%	831	830	0	0.0%	
53.1%	827	829	2	0.3%	
54.3%	826	828	2	0.2%	
55.6%	823	826	3	0.4%	
56.8%	822	826	4	0.5%	
58.0%	815	820	5	0.6%	
59.3%	814	818	4	0.5%	
60.5%	814	817	3	0.4%	
61.7%	813	811	-2	-0.2%	
63.0%	811	811	0	0.0%	
64.2%	807	810	2	0.3%	
65.4%	803	801	-2	-0.2%	
66.7%	791	800	9	1.1%	
67.9%	790	794	4	0.5%	
69.1%	790	793	2	0.3%	
70.4%	790	792	2	0.3%	
71.6%	789	791	2	0.3%	
72.8%	787	790	3	0.4%	
74.1%	779	786	7	0.9%	
75.3%	771	784	14	1.8%	
76.5%	760	784	23	3.1%	
77.8%	760	770	11	1.4%	
79.0%	754	766	13	1.7%	
80.2%	751	764	13	1.8%	
81.5%	750	763	13	1.8%	
82.7%	738	756	17	2.4%	
84.0%	735	754	19	2.5%	
85.2%	735	743	8	1.2%	
86.4%	704	730	25	3.6%	
87.7%	693	715	22	3.2%	
88.9%	692	700	8	1.2%	
90.1%	689	699	10	1.5%	
91.4%	687	696	9	1.3%	
92.6%	681	691	10	1.5%	
93.8%	664	682	19	2.8%	
95.1%	662	678	16	2.4%	
96.3%	662	672	10	1.5%	
97.5%	661	656	-6	-0.8%	
98.8%	648	636	-12	-1.5%	
100.0%	624	626	2	0.4%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	894	894	0	0.0%	
1.2%	890	884	-6	-0.6%	
2.5%	899	891	-8	-0.9%	
3.7%	896	890	-7	-0.7%	
4.9%	895	884	-11	-1.2%	
6.2%	892	881	-11	-1.2%	
7.4%	885	881	-4	-0.4%	
8.6%	883	878	-5	-0.5%	
9.9%	878	873	-5	-0.6%	
11.1%	877	872	-5	-0.6%	
12.3%	864	864	0	0.0%	
13.6%	863	863	0	0.0%	
14.8%	862	862	-1	-0.1%	
16.0%	859	858	0	0.0%	
17.3%	857	854	-3	-0.4%	
18.5%	852	854	2	0.2%	
19.8%	850	853	2	0.3%	
21.0%	849	852	2	0.3%	
22.2%	844	816	5	0.7%	
23.5%	843	848	4	0.5%	
24.7%	841	847	6	0.7%	
25.9%	837	844	7	0.8%	
27.2%	837	843	6	0.7%	
28.4%	833	841	8	1.0%	
29.6%	833	835	3	0.3%	
30.9%	832	834	2	0.2%	
32.1%	830	833	3	0.3%	
33.3%	829	833	4	0.5%	
34.6%	825	831	6	0.8%	
35.8%	823	829	5	0.6%	
37.0%	819	825	9	0.7%	
38.3%	818	819	1	0.1%	
39.5%	812	818	6	0.8%	
40.7%	811	815	4	0.8%	
42.0%	810	815	5	0.6%	
43.2%	808	814	6	0.7%	
44.4%	808	814	6	0.7%	
45.7%	806	811	5	0.7%	
46.9%	805	805	-1	-0.1%	
48.1%	803	805	2	0.2%	
49.4%	800	804	3	0.4%	
50.6%	795	803	8	1.0%	
51.9%	791	801	10	1.3%	
53.1%	790	799	9	1.2%	
54.3%	786	790	4	0.6%	
55.6%	785	789	4	0.5%	
56.8%	782	786	4	0.5%	
58.0%	778	778	0	0.0%	
59.3%	770	769	-1	-0.1%	
60.5%	769	767	-2	-0.2%	
61.7%	768	766	-2	-0.3%	
63.0%	765	765	0	0.0%	
64.2%	760	758	-2	-0.2%	
65.4%	756	756	0	-0.1%	
66.7%	755	752	-3	-0.4%	
67.9%	750	747	-3	-0.4%	
69.1%	747	746	-1	-0.1%	
70.4%	743	743	0	0.0%	
71.6%	741	741	-1	-0.1%	
72.8%	730	739	9	1.2%	
74.1%	725	736	11	1.5%	
75.3%	723	734	11	1.5%	
76.5%	718	732	13	1.8%	
77.8%	711	730	19	2.7%	
79.0%	703	722	19	2.7%	
80.2%	703	707	4	0.5%	
81.5%	696	705	9	1.3%	
82.7%	686	704	18	2.6%	
84.0%	683	695	12	1.7%	
85.2%	680	690	10	1.4%	
86.4%	678	687	9	1.3%	
87.7%	678	685	7	1.1%	
88.9%	676	683	6	0.9%	
90.1%	670	675	5	0.8%	
91.4%	658	670	13	1.9%	
92.6%	656	659	3	0.4%	
93.8%	649	657	8	0.6%	
95.1%	644	657	13	2.0%	
96.3%	644	635	1	0.2%	
97.5%	641	640	-1	-0.2%	
98.8%	637	635	-2	-0.3%	
100.0%	624	626	2	0.4%	

September					

Table SW-20-3a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	9,534	9,758	10,296	11,062	11,830	12,579	13,507	13,966	13,553	11,845	10,745	9,776
Alternative A	9,653	9,880	10,476	11,226	11,981	12,697	13,635	14,106	13,671	11,966	10,857	9,837
Difference	120	123	180	164	151	118	128	140	117	121	112	61
Percent Difference ³	1.3%	1.3%	1.8%	1.5%	1.3%	0.9%	0.9%	1.0%	0.9%	1.0%	1.0%	0.6%
Water Year Types²												
Wet (32%)												
No Action Alternative	11,847	12,023	12,241	12,918	13,543	13,827	15,023	15,703	15,620	14,426	13,760	12,187
Alternative A	11,844	12,035	12,328	12,929	13,553	13,827	15,023	15,703	15,579	14,377	13,736	12,129
Difference	-3	13	87	11	10	0	0	0	-41	-49	-24	-58
Percent Difference	0.0%	0.1%	0.7%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.3%	-0.3%	-0.2%	-0.5%
Above Normal (15%)												
No Action Alternative	10,387	10,592	10,976	11,576	12,691	13,776	14,982	15,670	15,320	13,416	12,098	10,669
Alternative A	10,394	10,593	11,125	11,704	12,811	13,796	15,002	15,670	15,252	13,333	12,109	10,621
Difference	7	1	149	128	120	20	20	0	-68	-82	11	-48
Percent Difference	0.1%	0.0%	1.4%	1.1%	0.9%	0.1%	0.1%	0.0%	-0.4%	-0.6%	0.1%	-0.5%
Below Normal (17%)												
No Action Alternative	10,028	10,289	11,051	10,718	11,676	12,599	13,908	14,647	14,284	12,301	10,833	10,199
Alternative A	10,300	10,566	11,248	11,149	12,015	12,845	14,151	14,894	14,439	12,473	11,085	10,404
Difference	273	276	197	431	339	246	244	247	156	172	252	205
Percent Difference	2.7%	2.7%	1.8%	4.0%	2.9%	2.0%	1.8%	1.7%	1.1%	1.4%	2.3%	2.0%
Dry (22%)												
No Action Alternative	7,519	7,867	8,819	9,887	10,746	11,899	12,575	12,726	11,976	9,862	8,266	7,749
Alternative A	7,610	7,947	9,020	9,968	10,834	12,010	12,697	12,903	12,207	10,127	8,357	7,758
Difference	90	80	202	81	88	112	122	178	231	264	91	10
Percent Difference	1.2%	1.0%	2.3%	0.8%	0.8%	0.9%	1.0%	1.4%	1.9%	2.7%	1.1%	0.1%
Critical (15%)												
No Action Alternative	6,116	6,230	6,735	6,891	9,061	9,676	9,678	9,567	8,823	7,124	6,474	6,205
Alternative A	6,478	6,598	7,097	9,036	9,427	10,010	10,066	9,968	9,256	7,540	6,850	6,540
Difference	362	368	361	345	366	334	388	401	433	416	376	336
Percent Difference	5.9%	5.9%	5.4%	4.0%	4.0%	3.5%	4.0%	4.2%	4.9%	5.8%	5.8%	5.4%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

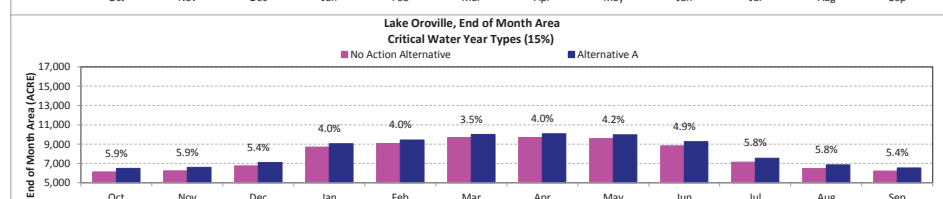
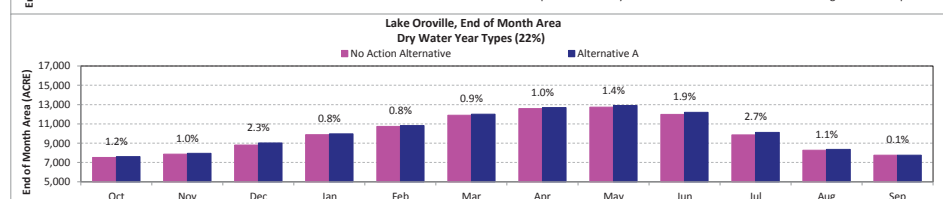
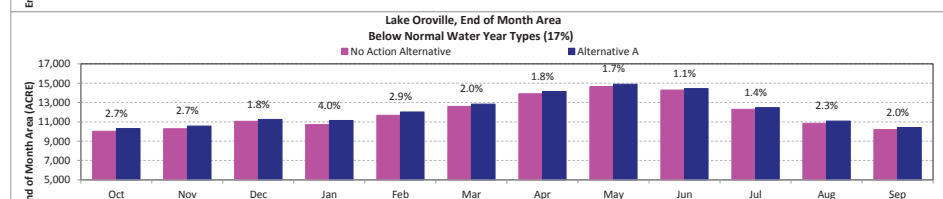
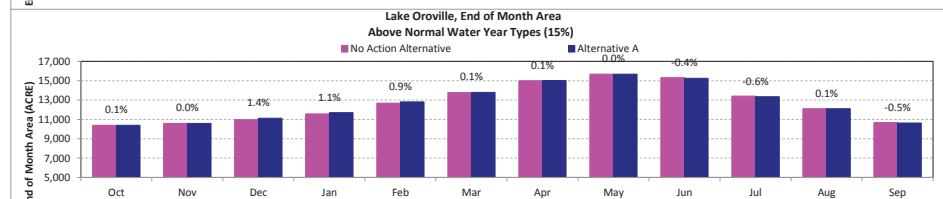
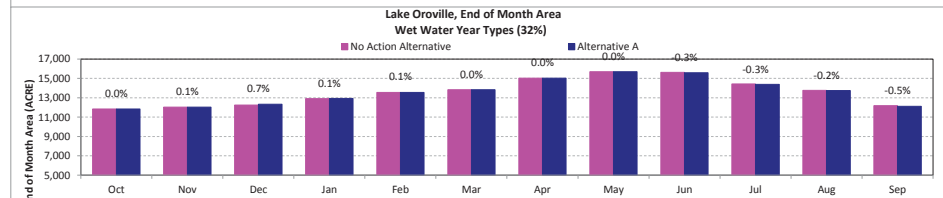
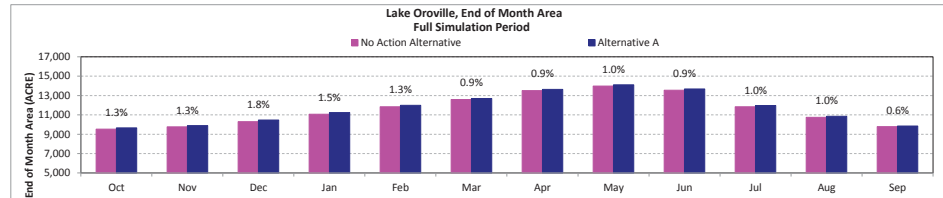


Figure SW-20-3b
Lake Oroville, End of Month Area
Probability of Exceedance

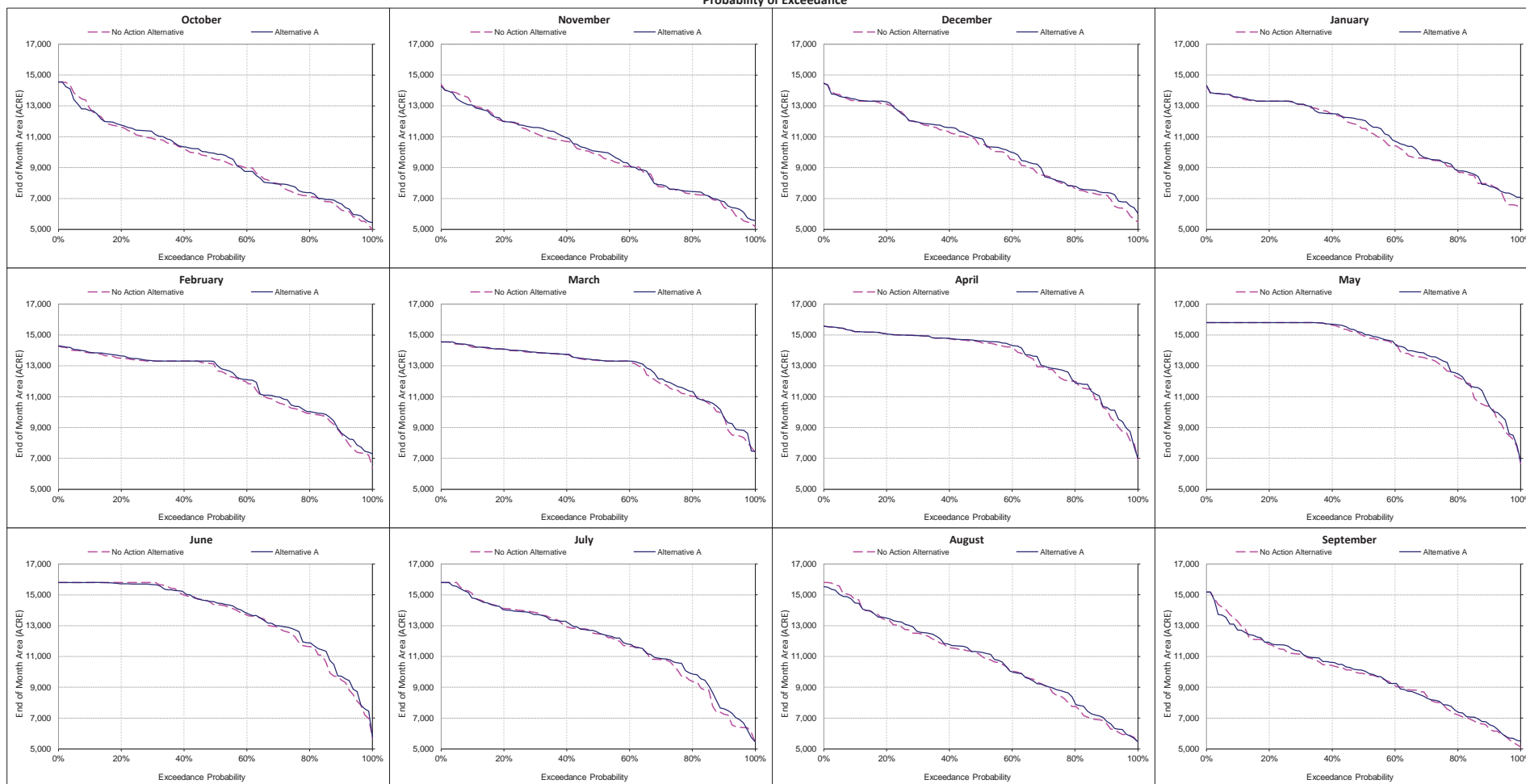


Table SW-20-3b
Lake Oroville, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,507	14,226	-281	-1.9%
3.7%	14,358	14,116	-242	-1.7%
4.9%	13,847	13,407	-440	-3.2%
6.2%	13,117	12,804	-313	-2.4%
7.4%	13,463	12,812	-651	-4.8%
8.6%	13,388	12,804	-584	-4.4%
9.9%	12,870	12,701	-168	-1.3%
11.1%	12,581	12,675	94	0.7%
12.3%	12,397	12,476	79	0.6%
13.6%	12,301	12,150	-151	-1.2%
14.8%	11,951	11,985	35	0.3%
16.0%	11,814	11,973	159	1.3%
17.3%	11,756	11,951	195	1.7%
18.5%	11,696	11,866	169	1.4%
19.8%	11,633	11,773	140	1.2%
21.0%	11,565	11,695	130	1.1%
22.2%	11,395	11,598	204	1.8%
23.5%	11,346	11,546	201	1.8%
24.7%	11,123	11,436	312	2.8%
25.9%	11,060	11,421	360	3.3%
27.2%	11,034	11,396	361	3.3%
28.4%	10,943	11,391	448	4.1%
29.6%	10,918	11,366	449	4.1%
30.9%	10,934	11,352	418	3.8%
32.1%	10,832	11,027	195	1.8%
33.3%	10,782	11,018	236	2.2%
34.6%	10,604	10,864	260	2.5%
35.8%	10,545	10,792	247	2.3%
37.0%	10,537	10,603	65	0.6%
38.3%	10,360	10,422	62	0.6%
39.5%	10,309	10,354	45	0.4%
40.7%	10,149	10,336	186	1.8%
42.0%	9,989	10,264	276	2.8%
43.2%	9,857	10,205	348	3.5%
44.4%	9,950	10,222	272	2.7%
45.7%	9,808	10,044	236	2.4%
46.9%	9,777	10,020	243	2.5%
48.1%	9,675	9,959	284	2.9%
49.4%	9,566	9,950	385	4.0%
50.6%	9,505	9,864	359	3.8%
51.9%	9,501	9,861	360	3.8%
53.1%	9,392	9,785	392	4.2%
54.3%	9,278	9,648	370	4.0%
55.6%	9,149	9,540	391	4.3%
56.8%	9,131	9,126	-5	-0.1%
58.0%	9,105	8,980	-124	-1.4%
59.3%	9,006	8,755	-251	-2.8%
60.5%	9,003	8,752	-251	-2.8%
61.7%	8,976	8,750	-225	-2.5%
63.0%	8,642	8,477	-166	-1.9%
64.2%	8,484	8,314	-170	-2.0%
65.4%	8,267	8,051	-215	-2.6%
66.7%	8,196	8,014	-182	-2.2%
67.9%	8,022	7,997	-25	-0.3%
69.1%	7,995	7,942	-53	-0.7%
70.4%	7,931	7,939	8	0.1%
71.6%	7,682	7,925	243	3.2%
72.8%	7,552	7,906	354	4.7%
74.1%	7,455	7,815	359	4.8%
75.3%	7,309	7,755	445	6.1%
76.5%	7,269	7,497	228	3.1%
77.8%	7,197	7,406	209	2.9%
79.0%	7,173	7,378	205	2.9%
80.2%	7,111	7,373	262	3.7%
81.5%	7,091	7,281	190	2.7%
82.7%	7,008	7,013	5	0.1%
84.0%	6,860	6,989	130	1.9%
85.2%	6,788	6,931	143	2.1%
86.4%	6,786	6,929	143	2.1%
87.7%	6,696	6,893	197	2.9%
88.9%	6,460	6,746	286	4.4%
90.1%	6,233	6,638	405	6.5%
91.4%	6,179	6,405	226	3.7%
92.6%	6,151	6,302	150	2.4%
93.8%	5,802	5,955	152	2.6%
95.1%	5,800	5,937	136	2.3%
96.3%	5,534	5,877	343	6.2%
97.5%	5,513	5,662	148	2.7%
98.8%	5,278	5,493	215	4.1%
100.0%	4,903	5,439	536	10.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,407	14,407	-132	-0.9%
1.2%	14,037	14,037	0	0.0%
2.5%	13,947	13,947	0	0.0%
3.7%	13,906	13,844	-62	-0.4%
4.9%	13,844	13,486	-358	-2.6%
6.2%	13,117	12,704	-413	-3.1%
7.4%	13,649	13,184	-465	-3.4%
8.6%	13,542	13,072	-469	-3.5%
9.9%	13,124	13,063	-60	-0.5%
11.1%	12,940	12,862	-78	-0.6%
12.3%	12,912	12,801	-111	-0.9%
13.6%	12,762	12,743	-19	-0.3%
14.8%	12,759	12,677	-82	-0.6%
16.0%	12,547	12,410	-137	-1.1%
17.3%	12,217	12,263	46	0.4%
18.5%	12,091	12,232	141	1.2%
19.8%	11,633	11,981	348	3.0%
21.0%	11,981	11,962	-19	-0.2%
22.2%	11,395	11,960	565	5.0%
23.5%	11,879	11,931	52	0.4%
24.7%	11,871	11,773	-98	-0.8%
25.9%	11,561	11,751	189	1.6%
27.2%	11,506	11,684	178	1.5%
28.4%	11,353	11,637	283	2.5%
29.6%	11,263	11,604	341	3.0%
30.9%	11,150	11,601	451	4.0%
32.1%	11,052	11,555	503	4.6%
33.3%	10,956	11,456	500	4.6%
34.6%	10,913	11,369	456	4.2%
35.8%	10,838	11,342	505	4.7%
37.0%	10,809	11,197	388	3.6%
38.3%	10,761	11,075	313	2.9%
39.5%	10,704	10,967	262	2.5%
40.7%	10,678	10,882	204	1.9%
42.0%	10,583	10,562	-21	-0.2%
43.2%	10,237	10,516	279	2.7%
44.4%	10,175	10,344	168	1.7%
45.7%	10,091	10,296	205	2.0%
46.9%	10,078	10,193	115	1.1%
48.1%	9,950	10,089	139	1.4%
49.4%	9,950	10,055	105	1.1%
50.6%	9,808	10,019	211	2.1%
51.9%	9,593	9,992	399	4.2%
53.1%	9,392	9,954	562	6.0%
54.3%	9,448	9,815	368	3.9%
55.6%	9,339	9,648	309	3.3%
56.8%	9,126	9,525	399	4.4%
58.0%	9,106	9,346	240	2.6%
59.3%	9,077	9,306	229	2.5%
60.5%	9,066	9,046	-20	-0.2%
61.7%	9,045	9,017	-28	-0.3%
63.0%	9,041	8,862	-179	-2.0%
64.2%	8,739	8,858	119	1.4%
65.4%	8,511	8,775	264	3.1%
66.7%	8,582	8,349	-233	-2.7%
67.9%	8,065	7,968	-97	-1.2%
69.1%	7,995	7,900	-95	-1.2%
70.4%	7,741	7,877	136	1.8%
71.6%	7,741	7,803	63	0.8%
72.8%	7,592	7,602	11	0.1%
74.1%	7,590	7,602	12	0.2%
75.3%	7,530	7,536	6	0.1%
76.5%	7,530	7,518	-12	-0.2%
77.8%	7,342	7,480	138	1.9%
79.0%	7,319	7,459	140	1.9%
80.2%	7,298	7,447	149	2.0%
81.5%	7,091	7,425	334	4.7%
82.7%	7,222	7,419	197	2.7%
84.0%	7,212	7,223	11	0.2%
85.2%	7,151	7,165	14	0.2%
86.4%	6,927	7,013	86	1.2%
87.7%	6,875	6,962	87	1.3%
88.9%	6,790	6,840	50	0.7%
90.1%	6,405	6,785	380	5.9%
91.4%	6,314	6,503	190	3.0%
92.6%	6,302	6,261	-41	-0.6%
93.8%	5,802	5,877	75	1.3%
95.1%	5,764	6,286	522	9.1%
96.3%	5,546	6,103	557	10.1%
97.5%	5,485	5,737	252	4.6%
98.8%	5,403	5,617	213	3.9%
100.0%	5,153	5,565	412	8.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,474	14,474	0	0.0%
1.2%	14,367	14,367	0	0.0%
2.5%	13,919	13,777	-142	-1.0%
3.7%	13,777	13,737	-40	-0.3%
4.9%	13,737	13,631	-106	-0.8%
6.2%	13,564	13,564	0	0.0%
7.4%	13,480	13,564	84	0.6%
8.6%	13,364	13,473	109	0.8%
9.9%	13,344	13,451	107	0.8%
11.1%	13,304	13,364	60	0.5%
12.3%	13,304	13,344	40	0.3%
13.6%	13,304	13,304	0	0.0%
14.8%	13,304	13,304	0	0.0%
16.0%	13,304	13,304	0	0.0%
17.3%	13,241	13,304	63	0.5%
18.5%	13,142	13,304	162	1.2%
19.8%	13,134	13,275	140	1.1%
21.0%	13,035	13,189	154	1.2%
22.2%	13,003	12,911	-91	-0.7%
23.5%	12,701	12,726	26	0.2%
24.7%	12,538	12,538	-122	-1.0%
25.9%	12,371	12,341	-30	-0.2%
27.2%	12,027	12,056	28	0.2%
28.4%	12,002	12,027	25	0.2%
29.6%	11,941	11,966	24	0.2%
30.9%	11,873	11,803	-70	-0.6%
32.1%	11,757	11,854	96	0.8%
33.3%	11,717	11,828	112	1.0%
34.6%	11,653	11,801	149	1.3%
35.8%	11,592	11,765	173	1.5%
37.0%	11,455	11,757	301	2.6%
38.3%	11,430	11,634	204	1.8%
39.5%	11,341	11,601	259	2.3%
40.7%	11,221	11,599	378	3.4%
42.0%	11,186	11,553	367	3.3%
43.2%	11,041	11,354	313	2.8%
44.4%	11,009	11,293	284	2.6%
45.7%	10,985	11,166	181	1.6%
46.9%	10,984	11,058	74	0.7%
48.1%	10,859	10,962	103	0.9%
49.4%	10,510	10,922	412	3.9%
50.6%	10,506	10,851	345	3.3%
51.9%	10,438	10,352	-86	-0.8%
53.1%	10,234	10,341	107	1.0%
54.3%	10,050	10,325	275	2.7%
55.6%	10,042	10,303	261	2.6%
56.8%	10,028	10,212	184	1.8%
58.0%	9,942	10,153	211	2.1%
59.3%	9,564	10,027	463	4.8%
60.5%	9,503	9,952	448	4.7%
61.7%	9,485	9,817	332	3.5%
63.0%	9,135	9,464	329	3.6%
64.2%	9,101	9,426	325	3.6%
65.4%	8,999	9,320	321	3.6%
66.7%	8,923	9,248	325	3.6%
67.9%	8,640	9,220	580	6.7%
69.1%	8,529	8,965	436	5.1%
70.4%	8,479	8,408	-70	-0.8%
71.6%	8,421	8,358	-63	-0.8%
72.8%	8,357	8,269	-88	-1.1%
74.1%	8,132	8,161	28	0.4%
75.3%	8,018	8,120	102	1.3%
76.5%	7,929	8,026	96	1.2%
77.8%	7,825	7,836	11	0.1%
79.0%	7,813	7,811	-2	-0.0%
80.2%	7,571	7,785	214	2.8%
81.5%	7,531	7,637	105	1.4%
82.7%	7,495	7,576	81	1.1%
84.0%	7,392	7,561	170	2.3%
85.2%	7,385	7,542	158	2.1%
86.4%	7,294	7,530	235	3.2%
87.7%	7,243			

Table SW-20-3b
Lake Oroville, End of Month Area
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	14,271	14,303	32	0.2%	
1.2%	14,207	14,271	64	0.4%	
2.5%	14,201	14,207	6	0.0%	
3.7%	14,041	14,201	160	1.1%	
4.9%	14,001	14,059	58	0.4%	
6.2%	13,941	14,041	44	0.3%	
7.4%	13,967	14,011	33	0.2%	
8.6%	13,884	13,967	83	0.6%	
9.9%	13,851	13,884	33	0.2%	
11.1%	13,847	13,851	3	0.0%	
12.3%	13,790	13,847	57	0.4%	
13.6%	13,761	13,833	72	0.5%	
14.8%	13,660	13,794	134	1.0%	
16.0%	13,644	13,761	117	0.9%	
17.3%	13,624	13,736	112	0.8%	
18.5%	13,531	13,687	157	1.2%	
19.8%	13,495	13,644	149	1.1%	
21.0%	13,474	13,624	150	1.1%	
22.2%	13,451	13,531	80	0.6%	
23.5%	13,411	13,476	65	0.5%	
24.7%	13,387	13,474	87	0.6%	
25.9%	13,364	13,451	87	0.6%	
27.2%	13,335	13,387	53	0.4%	
28.4%	13,304	13,364	60	0.5%	
29.6%	13,304	13,343	39	0.3%	
30.9%	13,304	13,312	8	0.1%	
32.1%	13,304	13,304	0	0.0%	
33.3%	13,304	13,304	0	0.0%	
34.6%	13,304	13,304	0	0.0%	
35.8%	13,304	13,304	0	0.0%	
37.0%	13,304	13,304	0	0.0%	
38.3%	13,304	13,304	0	0.0%	
39.5%	13,304	13,304	0	0.0%	
40.7%	13,304	13,304	0	0.0%	
42.0%	13,304	13,304	0	0.0%	
43.2%	13,304	13,304	0	0.0%	
44.4%	13,301	13,304	3	0.0%	
45.7%	13,214	13,304	90	0.7%	
46.9%	13,185	13,304	119	0.9%	
48.1%	13,157	13,304	147	1.1%	
49.4%	13,140	13,301	161	1.2%	
50.6%	12,678	13,004	326	2.6%	
51.9%	12,632	12,803	171	1.4%	
53.1%	12,517	12,744	227	1.8%	
54.3%	12,317	12,671	353	2.9%	
55.6%	12,266	12,532	266	2.2%	
56.8%	12,195	12,249	54	0.4%	
58.0%	12,011	12,152	140	1.2%	
59.3%	12,011	12,115	105	0.9%	
60.5%	11,831	12,095	263	2.2%	
61.7%	11,831	12,075	244	2.1%	
63.0%	11,414	11,939	525	4.6%	
64.2%	11,115	11,158	44	0.4%	
65.4%	11,026	11,097	71	0.6%	
66.7%	10,900	11,091	190	1.7%	
67.9%	10,856	11,082	226	2.1%	
69.1%	10,692	10,998	306	2.9%	
70.4%	10,577	10,981	404	3.8%	
71.6%	10,505	10,852	348	3.3%	
72.8%	10,411	10,795	383	3.7%	
74.1%	10,266	10,465	199	1.9%	
75.3%	10,220	10,371	151	1.5%	
76.5%	10,143	10,361	218	2.1%	
77.8%	10,034	10,191	157	1.6%	
79.0%	9,930	10,039	108	1.1%	
80.2%	9,898	10,027	129	1.3%	
81.5%	9,855	9,971	116	1.2%	
82.7%	9,820	9,924	105	1.1%	
84.0%	9,770	9,917	147	1.5%	
85.2%	9,720	9,845	125	1.3%	
86.4%	9,406	9,661	255	2.7%	
87.7%	9,206	9,419	213	2.3%	
88.9%	8,879	8,948	69	0.8%	
90.1%	8,548	8,635	87	1.0%	
91.4%	8,243	8,444	201	2.4%	
92.6%	7,855	8,258	402	5.1%	
93.8%	7,612	8,211	599	7.9%	
95.1%	7,395	7,873	477	6.5%	
96.3%	7,351	7,724	373	5.1%	
97.5%	7,342	7,464	122	1.7%	
98.8%	7,214	7,390	176	2.4%	
100.0%	6,412	7,294	882	13.8%	

March					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	14,554	14,554	0	0.0%	
1.2%	14,554	14,554	0	0.0%	
2.5%	14,551	14,554	3	0.0%	
3.7%	14,454	14,551	97	0.7%	
4.9%	14,421	14,454	33	0.2%	
6.2%	14,411	14,421	10	0.1%	
7.4%	14,361	14,411	50	0.3%	
8.6%	14,331	14,361	30	0.2%	
9.9%	14,221	14,331	110	0.8%	
11.1%	14,207	14,221	13	0.1%	
12.3%	14,204	14,207	3	0.0%	
13.6%	14,191	14,204	13	0.1%	
14.8%	14,131	14,191	60	0.4%	
16.0%	14,104	14,131	27	0.2%	
17.3%	14,101	14,104	3	0.0%	
18.5%	14,091	14,101	10	0.1%	
19.8%	14,071	14,091	20	0.1%	
21.0%	14,007	14,071	63	0.5%	
22.2%	13,994	14,014	20	0.1%	
23.5%	13,977	14,007	30	0.2%	
24.7%	13,971	13,994	23	0.2%	
25.9%	13,937	13,977	41	0.3%	
27.2%	13,891	13,971	80	0.6%	
28.4%	13,891	13,891	0	0.0%	
29.6%	13,857	13,891	33	0.2%	
30.9%	13,847	13,857	10	0.1%	
32.1%	13,824	13,847	23	0.2%	
33.3%	13,821	13,824	3	0.0%	
34.6%	13,801	13,821	20	0.1%	
35.8%	13,797	13,801	3	0.0%	
37.0%	13,767	13,797	30	0.2%	
38.3%	13,751	13,767	17	0.1%	
39.5%	13,737	13,751	13	0.1%	
40.7%	13,707	13,737	30	0.2%	
42.0%	13,544	13,561	17	0.1%	
43.2%	13,501	13,524	23	0.2%	
44.4%	14,454	13,501	47	0.3%	
45.7%	13,401	13,454	53	0.4%	
46.9%	13,401	13,446	45	0.3%	
48.1%	13,390	13,401	10	0.1%	
49.4%	13,351	13,401	42	0.3%	
50.6%	13,334	13,355	21	0.2%	
51.9%	13,304	13,334	30	0.2%	
53.1%	13,304	13,304	0	0.0%	
54.3%	13,304	13,304	0	0.0%	
55.6%	13,304	13,304	0	0.0%	
56.8%	13,304	13,304	0	0.0%	
58.0%	13,304	13,304	0	0.0%	
59.3%	13,304	13,304	0	0.0%	
60.5%	13,207	13,304	97	0.7%	
61.7%	13,137	13,280	143	1.1%	
63.0%	12,975	13,186	211	1.6%	
64.2%	12,943	13,111	167	1.3%	
65.4%	12,421	12,861	441	3.5%	
66.7%	12,281	12,761	480	3.9%	
67.9%	12,102	12,521	419	3.5%	
69.1%	11,937	12,153	216	1.8%	
70.4%	11,786	12,152	366	3.1%	
71.6%	11,760	11,986	226	1.9%	
72.8%	11,552	11,913	361	3.1%	
74.1%	11,428	11,778	350	3.1%	
75.3%	11,414	11,649	235	2.1%	
76.5%	11,207	11,595	388	3.5%	
77.8%	11,182	11,484	302	2.7%	
79.0%	11,073	11,368	295	2.7%	
80.2%	11,011	11,310	299	2.7%	
81.5%	11,001	11,082	109	1.0%	
82.7%	10,925	11,021	103	1.0%	
84.0%	10,734	11,030	296	2.7%	
85.2%	10,554	11,085	531	5.0%	
86.4%	10,392	10,574	182	1.8%	
87.7%	10,038	10,391	353	3.5%	
88.9%	9,978	10,164	186	1.9%	
90.1%	9,657	9,601	-56	-0.6%	
91.4%	8,617	9,306	689	6.5%	
92.6%	8,258	8,525	267	2.6%	
93.8%	8,491	8,893	402	4.7%	
95.1%	8,441	8,831	390	4.6%	
96.3%	8,347	8,827	481	5.8%	
97.5%	8,023	8,639	616	7.7%	
98.8%	7,718	7,479	-239	-3.1%	
100.0%	6,393	7,444	1,051	16.4%	

April					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	15,577	15,577	0	0.0%	
1.2%	15,530	15,530	0	0.0%	
2.5%	15,517	15,517	0	0.0%	
3.7%	15,497	15,497	0	0.0%	
4.9%	15,454	15,454	0	0.0%	
6.2%	15,434	15,434	0	0.0%	
7.4%	15,330	15,330	0	0.0%	
8.6%	15,306	15,305	-1	0.0%	
9.9%	15,218	15,218	0	0.0%	
11.1%	15,218	15,217	-1	0.0%	
12.3%	15,199	15,199	0	0.0%	
13.6%	15,192	15,192	0	0.0%	
14.8%	15,190	15,190	0	0.0%	
16.0%	15,184	15,184	0	0.0%	
17.3%	15,177	15,177	0	0.0%	
18.5%	15,124	15,124	0	0.0%	
19.8%	15,090	15,090	0	0.0%	
21.0%	15,028	15,028	0	0.0%	
22.2%	15,020	15,020	0	0.0%	
23.5%	15,004	15,004	0	0.0%	
24.7%	14,996	14,996	0	0.0%	
25.9%	14,990	14,990	0	0.0%	
27.2%	14,984	14,984	0	0.0%	
28.4%	14,984	14,984	0	0.0%	
29.6%	14,957	14,957	0	0.0%	
30.9%	14,947	14,947	0	0.0%	
32.1%	14,935	14,935	0	0.0%	
33.3%	14,934	14,934	0	0.0%	
34.6%	14,814	14,814	0	0.0%	
35.8%	14,804	14,804	0	0.0%	
37.0%	14,797	14,797	0	0.0%	
38.3%	14,794	14,794	0	0.0%	
39.5%	14,790	14,790	0	0.0%	
40.7%	14,737	14,767	30	0.2%	
42.0%	14,704	14,737	33	0.2%	
43.2%	14,704	14,704	0	0.0%	
44.4%	14,688	14,704	16	0.1%	
45.7%	14,643	14,696	53	0.4%	
46.9%	14,615	14,688	74	0.5%	
48.1%	14,611	14,643	32	0.2%	
49.4%	14,566	14,614	48	0.3%	
50.6%	14,466	14,611	125	0.9%	
51.9%	14,474	14,585	111	0.8%	
53.1%	14,458	14,566	108	0.7%	
54.3%	14,415	14,559	144	1.0%	
55.6%	14,334	14,552	218	1.5%	
56.8%	14,297	14,486	189	1.3%	
58.0%	14,230	14,474	244	1.7%	
59.3%	14,227	14,361	134	0.9%	
60.5%	14,113	14,299	186	1.3%	
61.7%	13,878	14,287	409	2.9%	
63.0%	13,812	14,149	336	2.4%	
64.2%	13,682	13,717	35	0.3%	
65.4%					

Table SW-20-3b
Lake Oroville, End of Month Area
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	15,804	15,804	0	0.0%	
1.2%	15,804	15,804	0	0.0%	
2.5%	15,804	15,804	0	0.0%	
3.7%	15,804	15,804	0	0.0%	
4.9%	15,804	15,804	0	0.0%	
6.2%	15,804	15,804	0	0.0%	
7.4%	15,804	15,804	0	0.0%	
8.6%	15,804	15,804	0	0.0%	
9.9%	15,804	15,804	0	0.0%	
11.1%	15,804	15,804	0	0.0%	
12.3%	15,804	15,801	-3	-0.0%	
13.6%	15,804	15,800	-4	-0.0%	
14.8%	15,804	15,799	-5	-0.0%	
16.0%	15,804	15,794	-10	-0.1%	
17.3%	15,804	15,788	-16	-0.1%	
18.5%	15,804	15,744	-60	-0.4%	
19.8%	15,804	15,721	-83	-0.5%	
21.0%	15,804	15,711	-93	-0.6%	
22.2%	15,804	15,711	-93	-0.6%	
23.5%	15,804	15,706	-98	-0.6%	
24.7%	15,804	15,706	-98	-0.6%	
25.9%	15,804	15,705	-98	-0.6%	
27.2%	15,804	15,705	-99	-0.6%	
28.4%	15,804	15,704	-100	-0.6%	
29.6%	15,804	15,667	-137	-0.9%	
30.9%	15,804	15,659	-144	-0.9%	
32.1%	15,660	15,594	-65	-0.4%	
33.3%	15,629	15,429	-199	-1.3%	
34.6%	15,568	15,340	-228	-1.5%	
35.8%	15,425	15,337	-88	-0.6%	
37.0%	15,417	15,291	-126	-0.9%	
38.3%	15,175	15,272	97	0.6%	
39.5%	15,028	15,231	203	1.4%	
40.7%	14,942	15,036	94	0.6%	
42.0%	14,877	15,004	127	0.9%	
43.2%	14,875	14,903	28	0.2%	
44.4%	14,716	14,738	22	0.2%	
45.7%	14,709	14,663	-47	-0.3%	
46.9%	14,654	14,630	-24	-0.2%	
48.1%	14,566	14,577	11	0.1%	
49.4%	14,374	14,563	189	1.3%	
50.6%	14,353	14,467	114	0.8%	
51.9%	14,348	14,445	97	0.7%	
53.1%	14,285	14,371	86	0.6%	
54.3%	14,190	14,338	148	1.0%	
55.6%	14,112	14,292	170	1.2%	
56.8%	13,982	14,105	124	0.9%	
58.0%	13,840	14,020	180	1.3%	
59.3%	13,758	13,880	122	0.9%	
60.5%	13,632	13,758	126	0.9%	
61.7%	13,621	13,658	37	0.3%	
63.0%	13,580	13,653	73	0.5%	
64.2%	13,501	13,505	3	0.0%	
65.4%	13,432	13,331	-101	-0.8%	
66.7%	13,021	13,171	150	1.2%	
67.9%	12,966	13,158	192	1.5%	
69.1%	12,947	13,009	62	0.5%	
70.4%	12,795	12,989	194	1.5%	
71.6%	12,611	12,931	271	2.1%	
72.8%	12,604	12,897	292	2.3%	
74.1%	12,499	12,834	344	2.8%	
75.3%	12,268	12,734	467	3.8%	
76.5%	11,888	12,621	733	6.2%	
77.8%	11,714	11,944	230	2.0%	
79.0%	11,654	11,891	237	2.0%	
80.2%	11,634	11,893	249	2.1%	
81.5%	11,549	11,677	128	1.1%	
82.7%	11,101	11,510	409	3.7%	
84.0%	11,065	11,424	360	3.2%	
85.2%	10,606	11,336	730	6.9%	
86.4%	9,924	10,746	822	8.3%	
87.7%	9,723	10,480	757	7.8%	
88.9%	9,701	9,756	55	0.6%	
90.1%	9,466	9,720	254	2.7%	
91.4%	9,309	9,542	233	2.5%	
92.6%	8,802	9,435	633	7.2%	
93.8%	8,526	8,880	353	4.1%	
95.1%	8,110	8,720	610	7.5%	
96.3%	7,840	7,834	-6	-0.1%	
97.5%	7,201	7,610	409	5.7%	
98.8%	6,982	7,455	473	6.8%	
100.0%	6,696	5,762	-66	-1.2%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	15,804	15,804	0	0.0%	
1.2%	15,804	15,804	0	0.0%	
2.5%	15,804	15,799	-5	0.0%	
3.7%	15,804	15,594	-210	-1.3%	
4.9%	15,804	15,555	-248	-1.6%	
6.2%	15,804	15,502	-302	-1.9%	
7.4%	15,294	15,262	-32	-0.2%	
8.6%	15,257	15,166	-91	-0.6%	
9.9%	15,091	14,804	-287	-1.9%	
11.1%	14,744	14,754	10	0.1%	
12.3%	14,668	14,624	-44	-0.3%	
13.6%	14,578	14,518	-60	-0.4%	
14.8%	14,445	14,478	33	0.2%	
16.0%	14,394	14,363	-31	-0.2%	
17.3%	14,326	14,295	-31	-0.2%	
18.5%	14,209	14,258	49	0.3%	
19.8%	14,114	14,042	-72	-0.5%	
21.0%	14,099	14,007	-92	-0.7%	
22.2%	14,082	13,990	-92	-0.7%	
23.5%	14,041	13,947	-95	-0.7%	
24.7%	14,006	13,930	-75	-0.5%	
25.9%	13,986	13,910	-76	-0.5%	
27.2%	13,932	13,894	-38	-0.3%	
28.4%	13,922	13,841	-81	-0.6%	
29.6%	13,863	13,724	-139	-1.0%	
30.9%	13,824	13,723	-101	-0.7%	
32.1%	13,670	13,670	-1	0.0%	
33.3%	13,654	13,597	-57	-0.4%	
34.6%	13,541	13,383	-158	-1.2%	
35.8%	13,425	13,346	-79	-0.6%	
37.0%	13,379	13,315	-64	-0.5%	
38.3%	13,184	13,294	111	0.8%	
39.5%	12,943	13,294	351	2.7%	
40.7%	12,887	13,141	253	2.0%	
42.0%	12,829	12,945	116	0.9%	
43.2%	12,823	12,918	95	0.8%	
44.4%	12,799	12,780	-18	-0.1%	
45.7%	12,794	12,748	-46	-0.4%	
46.9%	12,751	12,704	-48	-0.4%	
48.1%	12,522	12,702	180	1.4%	
49.4%	12,474	12,617	144	1.2%	
50.6%	12,461	12,488	27	0.2%	
51.9%	12,422	12,412	-10	-0.1%	
53.1%	12,225	12,342	117	1.0%	
54.3%	12,202	12,297	94	0.8%	
55.6%	12,051	12,200	149	1.2%	
56.8%	11,986	12,189	203	1.7%	
58.0%	11,706	11,894	188	1.6%	
59.3%	11,683	11,818	135	1.2%	
60.5%	11,659	11,774	115	1.0%	
61.7%	11,648	11,576	-72	-0.6%	
63.0%	11,562	11,573	11	0.1%	
64.2%	11,432	11,518	85	0.7%	
65.4%	11,251	11,189	-62	-0.5%	
66.7%	10,821	11,145	325	3.0%	
67.9%	10,813	10,946	133	1.2%	
69.1%	10,812	10,894	82	0.8%	
70.4%	10,788	10,864	75	0.7%	
71.6%	10,760	10,843	83	0.8%	
72.8%	10,673	10,789	116	1.1%	
74.1%	10,387	10,641	253	2.4%	
75.3%	10,097	10,595	498	4.9%	
76.5%	9,708	10,562	853	8.8%	
77.8%	9,689	10,084	395	4.1%	
79.0%	9,478	9,935	456	4.8%	
80.2%	9,364	9,849	485	5.2%	
81.5%	9,335	9,821	486	5.2%	
82.7%	8,937	9,541	604	6.8%	
84.0%	8,826	9,471	645	7.3%	
85.2%	8,622	9,111	289	3.3%	
86.4%	7,791	8,653	862	11.1%	
87.7%	6,891	8,132	744	10.1%	
88.9%	7,378	7,653	276	3.7%	
90.1%	7,249	7,597	348	4.8%	
91.4%	7,190	7,486	296	4.1%	
92.6%	6,563	7,291	728	11.6%	
93.8%	6,438	7,038	600	9.3%	
95.1%	6,401	6,901	500	7.8%	
96.3%	6,391	6,684	294	4.6%	
97.5%	6,376	6,233	-143	-2.2%	
98.8%	6,049	5,736	-314	-5.2%	
100.0%	5,406	5,472	66	1.2%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	15,804	15,804	-274	-1.7%	
1.2%	15,804	15,505	-299	-1.9%	
2.5%	15,763	15,368	-395	-2.5%	
3.7%	15,632	15,307	-325	-2.1%	
4.9%	15,574	15,030	-544	-3.5%	
6.2%	15,502	14,897	-605	-3.9%	
7.4%	15,059	14,885	-174	-1.2%	
8.6%	14,956	14,746	-211	-1.4%	
9.9%	14,715	14,470	-245	-1.7%	
11.1%	14,692	14,446	-245	-1.7%	
12.3%	14,024	14,071	46	0.3%	
13.6%	13,981	13,988	6	0.0%	
14.8%	13,970	13,938	-32	-0.2%	
16.0%	13,784	13,767	-16	-0.1%	
17.3%	13,717	13,559	-158	-1.2%	
18.5%	13,467	13,552	85	0.6%	
19.8%	13,381	13,499	118	0.9%	
21.0%	13,322	13,439	117	0.9%	
22.2%	13,056	13,315	259	2.0%	
23.5%	13,046	13,264	218	1.7%	
24.7%	12,927	13,232	304	2.4%	
25.9%	12,752	13,092	340	2.7%	
27.2%	12,734	13,020	286	2.2%	
28.4%	12,515	12,913	398	3.2%	
29.6%	12,515	12,638	123	1.0%	
30.9%	12,472	12,673	191	1.6%	
32.1%	12,398	12,529	131	1.1%	
33.3%	12,316	12,523	207	1.7%	
34.6%	12,141	12,449	308	2.5%	
35.8%	12,058	12,318	260	2.2%	
37.0%	11,873	12,149	275	2.3%	
38.3%	11,811	11,853	42	0.4%	
39.5%	11,579	11,809	230	2.0%	
40.7%	11,563	11,710	146	1.3%	
42.0%	11,530	11,700	169	1.5%	
43.2%	11,462	11,673	211	1.8%	
44.4%	11,460	11,668	208	1.8%	
45.7%	11,380	11,573	193	1.7%	
46.9%	11,352	11,332	-20	-0.2%	
48.1%	11,252	11,325	73	0.6%	
49.4%	11,177	11,298	111	1.0%	
50.6%	10,974	11,257	283	2.6%	
51.9%	10,825	11,193	368	3.4%	
53.1%	10,792	11,136	343	3.2%	
54.3%	10,648	10,807	158	1.5%	
55.6%	10,620	10,753	133	1.2%	
56.8%	10,493	10,633	140	1.3%	
58.0%	10,343	10,356	13	0.1%	
59.3%	10,083	10,044	-39	-0.4%	
60.5%	10,032	9,963	-70	-0.7%	
61.7%	9,986	9,910	-76	-0.8%	
63.0%	9,887	9,901	13	0.1%	

Table SW-21-3a
 Feather River at Thermalito Low Flow Channel, Monthly Flow
 Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference ³	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

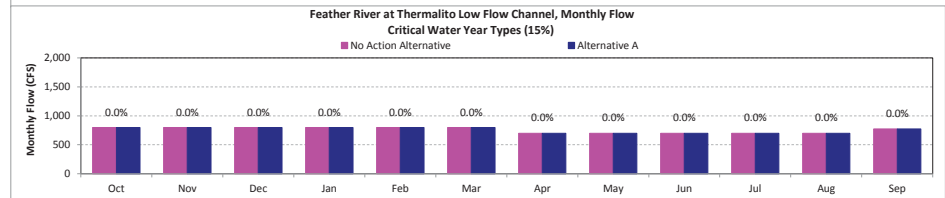
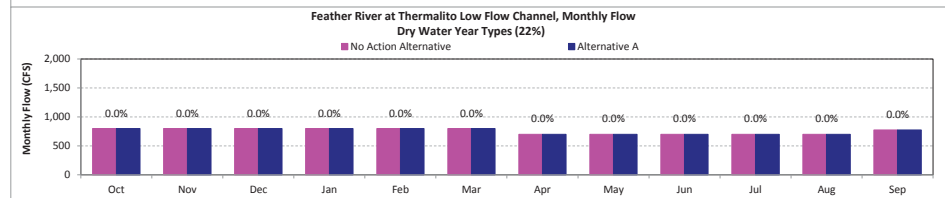
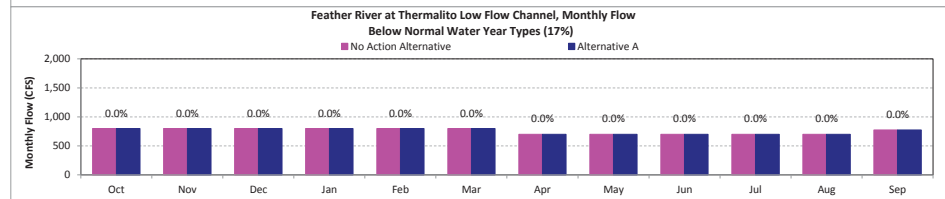
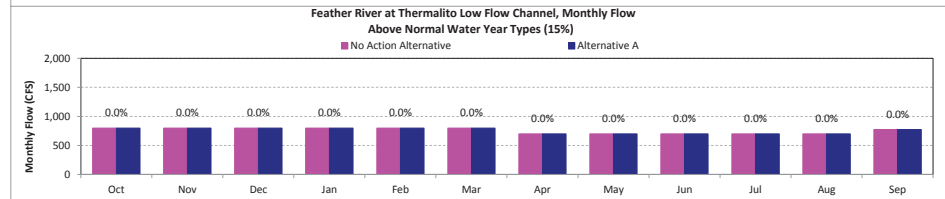
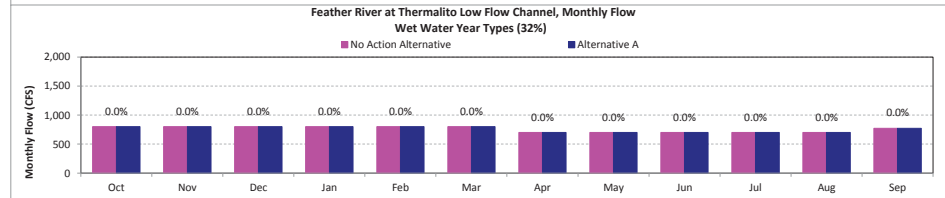
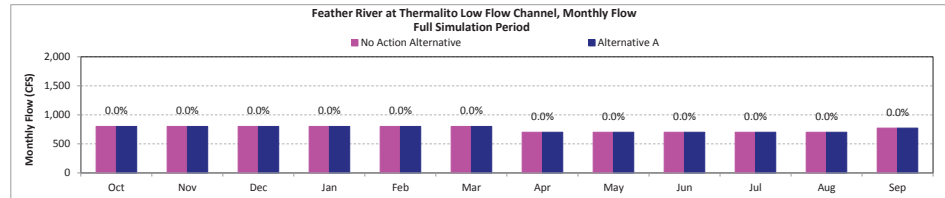


Figure SW-21-3b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

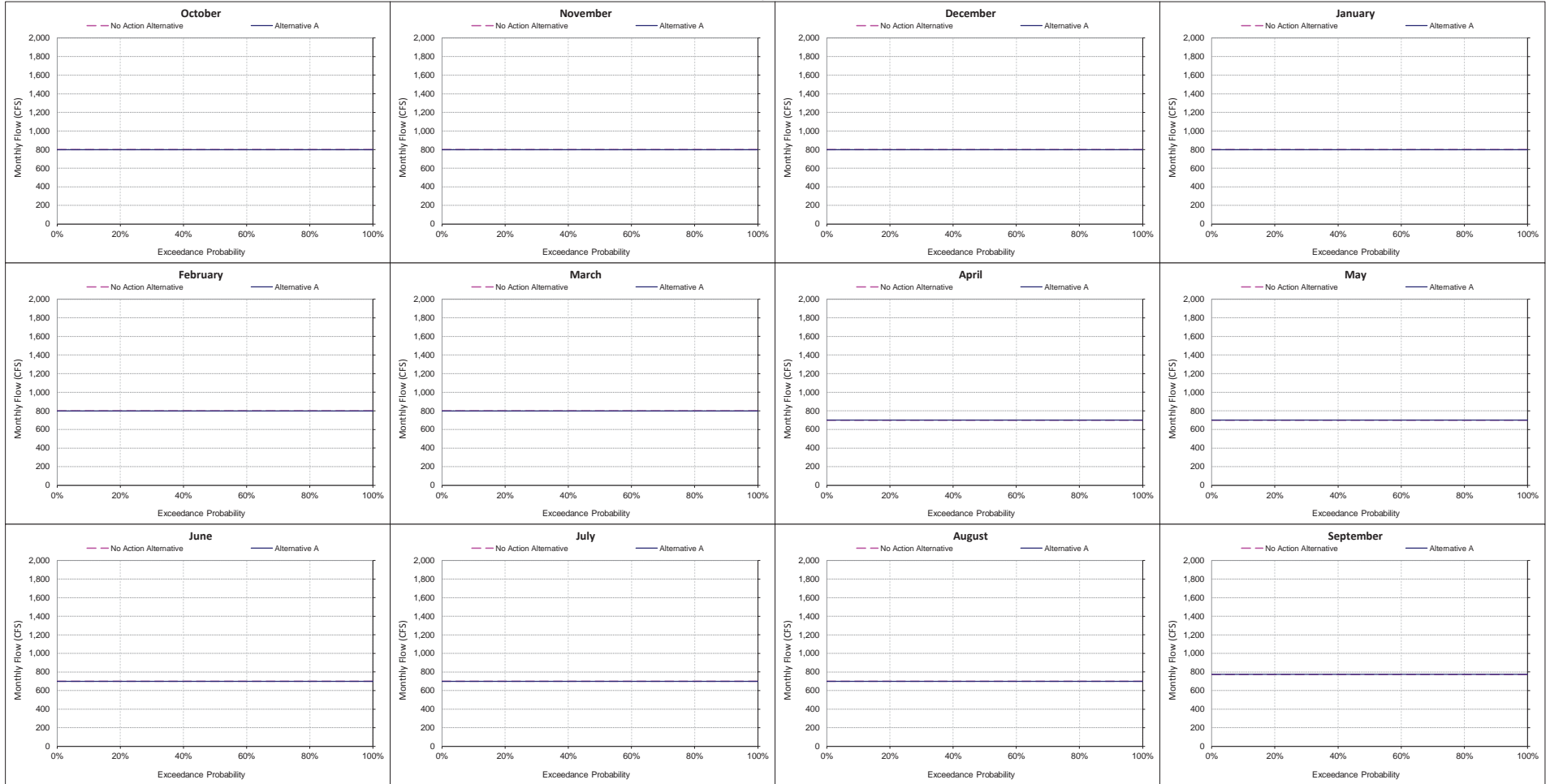


Table SW-22.3a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	2,815	2,230	3,453	4,661	5,498	5,941	3,079	3,640	3,783	7,723	4,992	4,831
Alternative A	2,571	2,200	3,210	4,681	5,543	6,072	3,039	3,572	3,913	7,753	5,008	5,063
Difference	-243	-30	-243	19	45	131	-40	-68	130	30	16	232
Percent Difference ³	-8.6%	-1.3%	-7.0%	0.4%	0.8%	2.2%	-1.3%	-1.9%	3.4%	0.4%	0.3%	4.8%
Water Year Types²												
Wet (32%)												
No Action Alternative	3,835	3,384	5,285	10,620	11,516	12,387	6,511	7,539	5,149	6,745	3,920	8,437
Alternative A	3,575	3,301	4,920	10,725	11,489	12,440	6,516	7,542	5,360	6,781	3,809	8,633
Difference	-260	-83	-365	106	-27	53	5	3	211	36	-111	196
Percent Difference	-6.8%	-2.5%	-6.9%	1.0%	-0.2%	0.4%	0.1%	0.0%	4.1%	0.5%	-2.8%	2.3%
Above Normal (15%)												
No Action Alternative	3,592	2,323	3,389	3,461	5,426	7,028	2,257	3,232	3,397	9,119	6,405	7,040
Alternative A	3,399	2,339	2,760	3,552	5,405	7,494	2,257	3,329	3,737	9,190	5,948	7,332
Difference	-193	16	-629	92	-21	466	0	96	-340	72	-457	292
Percent Difference	-5.4%	0.7%	-18.6%	2.6%	-0.4%	6.6%	0.0%	3.0%	-10.0%	0.8%	-7.1%	4.1%
Below Normal (17%)												
No Action Alternative	2,533	1,893	2,615	1,711	2,799	2,337	1,119	1,159	2,849	9,062	6,441	2,656
Alternative A	2,235	1,877	2,966	1,462	3,252	2,702	1,119	1,140	3,307	9,003	6,115	2,876
Difference	-299	-16	-351	-249	453	365	0	-19	-458	-59	-326	220
Percent Difference	-11.8%	-0.8%	-13.4%	-14.6%	16.2%	15.6%	0.0%	-1.6%	-16.1%	-0.6%	-5.1%	8.3%
Dry (22%)												
No Action Alternative	2,031	1,516	2,732	1,453	1,635	1,685	1,329	1,605	3,442	8,256	6,071	2,002
Alternative A	1,707	1,526	2,286	1,394	1,586	1,543	1,271	1,333	3,189	8,262	6,700	2,296
Difference	-324	10	-446	-59	-49	-142	-58	-273	-253	6	629	294
Percent Difference	-16.0%	0.7%	-16.3%	-4.1%	-3.0%	-8.4%	-4.3%	-17.0%	-7.4%	0.1%	10.4%	14.7%
Critical (15%)												
No Action Alternative	1,330	1,101	1,607	1,206	1,476	1,480	1,375	1,545	2,807	6,084	2,595	1,592
Alternative A	1,259	1,063	1,627	1,398	1,408	1,580	1,176	1,410	2,747	6,198	2,840	1,761
Difference	-70	-38	20	192	-68	100	-200	-135	-60	114	245	169
Percent Difference	-5.3%	-3.5%	1.2%	15.9%	-4.6%	6.8%	-14.5%	-8.8%	-2.1%	1.9%	9.4%	10.6%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

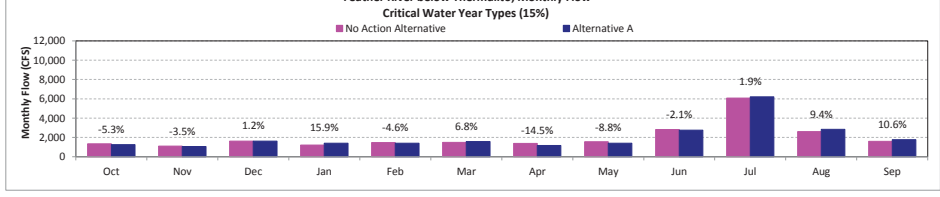
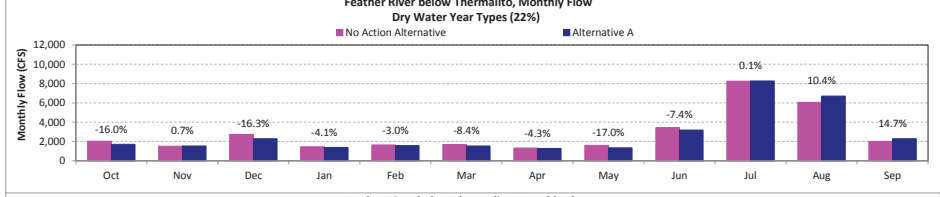
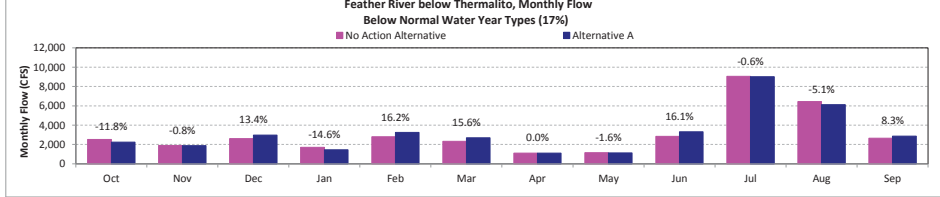
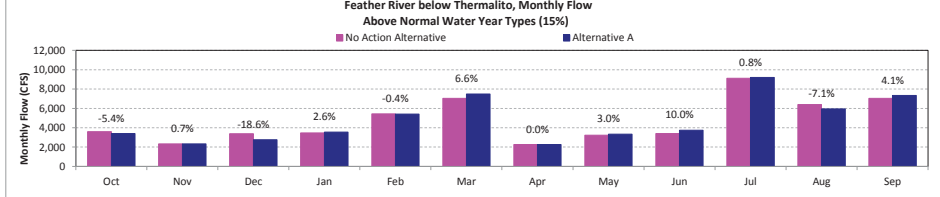
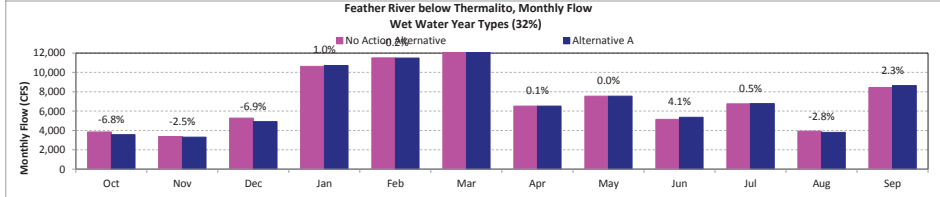
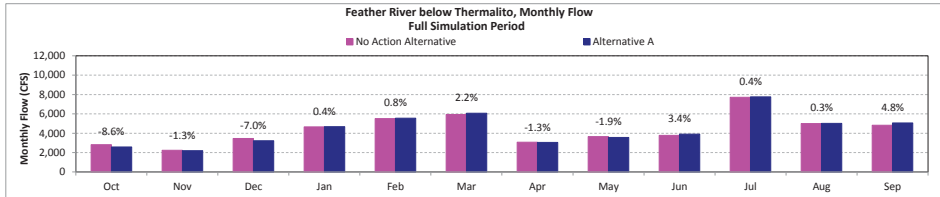


Figure SW-22-3b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

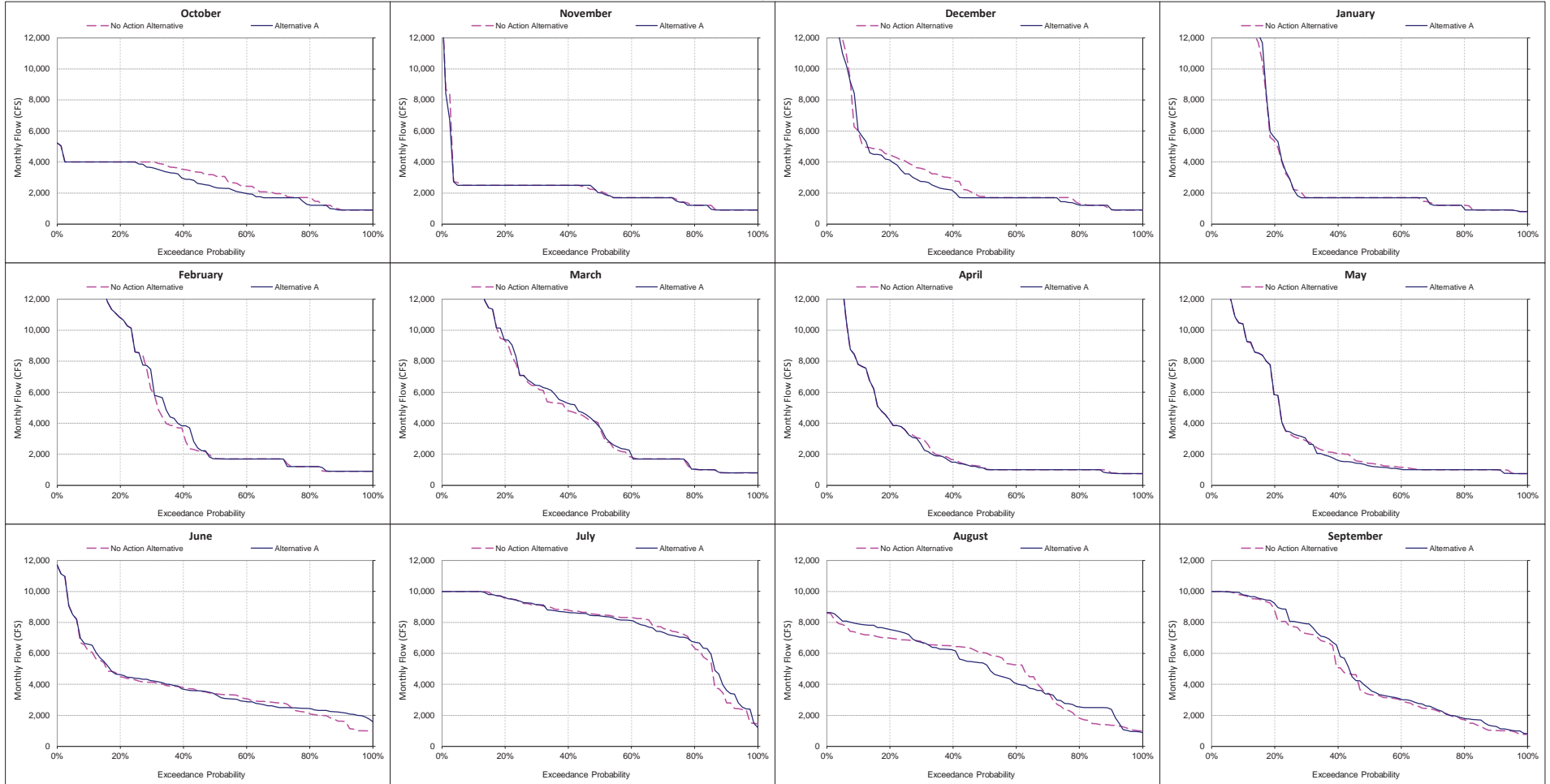


Table SW-22-3b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	5,232	5,225	-7	-0.1%
0.2%	5,039	5,039	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	3,862	-138	-3.4%
27.2%	4,000	3,853	-147	-3.7%
28.4%	4,000	3,671	-329	-8.2%
29.6%	4,000	3,646	-354	-8.9%
30.9%	4,000	3,610	-390	-9.7%
32.1%	3,896	3,504	-392	-10.1%
33.3%	3,872	3,442	-430	-11.1%
34.6%	3,789	3,372	-417	-11.0%
35.8%	3,662	3,296	-366	-10.0%
37.0%	3,659	3,289	-371	-10.1%
38.3%	3,618	3,232	-386	-10.7%
39.5%	3,529	2,966	-563	-15.9%
40.7%	3,502	2,889	-613	-17.5%
42.0%	3,448	2,878	-569	-16.5%
43.2%	3,394	2,817	-577	-16.8%
44.4%	3,345	2,616	-729	-21.8%
45.7%	3,340	2,578	-762	-22.8%
46.9%	3,183	2,530	-653	-20.5%
48.1%	3,181	2,498	-682	-21.5%
49.4%	3,175	2,396	-778	-24.5%
50.6%	3,072	2,324	-748	-24.4%
51.9%	3,064	2,309	-755	-24.6%
53.1%	3,063	2,304	-759	-24.8%
54.3%	2,682	2,290	-392	-14.6%
55.6%	2,661	2,201	-460	-17.3%
56.8%	2,629	2,091	-538	-20.5%
58.0%	2,487	2,052	-434	-17.5%
59.3%	2,444	1,987	-457	-18.7%
60.5%	2,432	1,952	-480	-19.7%
61.7%	2,425	1,924	-501	-20.7%
63.0%	2,226	1,755	-471	-21.2%
64.2%	2,081	1,752	-330	-15.8%
65.4%	2,078	1,700	-378	-18.2%
66.7%	2,054	1,700	-354	-17.3%
67.9%	2,052	1,700	-352	-17.1%
69.1%	1,965	1,700	-265	-13.5%
70.4%	1,952	1,700	-252	-12.9%
71.6%	1,949	1,700	-249	-12.8%
72.8%	1,750	1,700	-50	-2.9%
74.1%	1,728	1,700	-28	-1.6%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,464	-236	-13.9%
79.0%	1,700	1,276	-424	-24.9%
80.2%	1,700	1,200	-500	-29.4%
81.5%	1,475	1,200	-275	-18.6%
82.7%	1,456	1,200	-256	-17.6%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	983	-217	-18.0%
87.7%	1,021	977	-44	-4.3%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	14,550	14,550	0	0.0%
1.2%	8,661	8,422	-239	-3.1%
2.5%	8,427	6,717	-1,710	-20.3%
3.7%	2,730	2,726	-4	-0.1%
4.9%	2,674	2,500	-174	-6.5%
6.2%	2,500	2,500	0	0.0%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,500	2,500	0	0.0%
44.4%	2,431	2,500	69	2.8%
45.7%	2,381	2,500	119	5.0%
46.9%	2,246	2,500	254	11.3%
48.1%	2,236	2,278	42	1.9%
49.4%	2,151	2,036	-115	-5.3%
50.6%	2,064	1,986	-78	-3.8%
51.9%	1,977	1,883	-94	-4.8%
53.1%	1,700	1,833	133	7.8%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,611	1,490	-121	-7.5%
75.3%	1,424	1,411	-13	-0.9%
76.5%	1,418	1,395	-23	-1.6%
77.8%	1,361	1,200	-161	-11.8%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	955	-245	-20.4%
86.4%	957	900	-57	-6.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	24,329	24,329	0	0.0%
1.2%	16,421	16,267	-154	-1.0%
2.5%	14,106	12,566	-1,540	-10.9%
3.7%	12,871	12,329	-542	-4.2%
4.9%	11,981	10,984	-997	-8.3%
6.2%	10,984	10,239	-745	-6.8%
7.4%	9,375	9,166	-209	-2.2%
8.6%	6,278	8,447	2,170	34.6%
9.9%	6,026	6,024	-2	0.0%
11.1%	5,200	5,656	456	8.8%
12.3%	4,959	5,330	371	7.5%
13.6%	4,921	4,599	-322	-6.6%
14.8%	4,857	4,498	-359	-7.4%
16.0%	4,839	4,492	-347	-7.2%
17.3%	4,768	4,446	-321	-6.7%
18.5%	4,540	4,193	-346	-7.6%
19.8%	4,496	4,141	-355	-7.9%
21.0%	4,372	3,953	-419	-9.6%
22.2%	4,266	3,808	-458	-10.7%
23.5%	4,145	3,492	-653	-15.8%
24.7%	4,094	3,239	-855	-20.9%
25.9%	3,916	3,234	-682	-17.5%
27.2%	3,807	3,009	-798	-20.9%
28.4%	3,631	2,882	-749	-20.6%
29.6%	3,595	2,754	-841	-23.4%
30.9%	3,537	2,724	-812	-23.0%
32.1%	3,421	2,665	-756	-22.1%
33.3%	3,238	2,520	-717	-22.2%
34.6%	3,234	2,406	-828	-25.6%
35.8%	3,144	2,307	-836	-26.6%
37.0%	3,037	2,271	-767	-25.2%
38.3%	3,010	2,226	-783	-26.0%
39.5%	2,971	2,197	-775	-26.1%
40.7%	2,760	1,987	-774	-28.0%
42.0%	2,752	1,701	-1,050	-38.2%
43.2%	2,230	1,701	-529	-23.7%
44.4%	2,200	1,700	-500	-22.7%
45.7%	2,082	1,700	-382	-18.3%
46.9%	1,967	1,700	-267	-13.6%
48.1%	1,792	1,700	-92	-5.1%
49.4%	1,770	1,700	-70	-3.9%
50.6%	1,761	1,700	-61	-3.5%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,439	-261	-15.3%
75.3%	1,700	1,437	-263	-15.4%
76.5%	1,700	1,385	-315	-18.5%
77.8%	1,629	1,368	-262	-16.1%
79.0%	1,387	1,276	-111	-8.0%
80.2%	1,284	1,200	-84	-6.6%
81.5%	1,267	1,200	-67	-5.3%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,054	1,200	146	13.9%
90.1%	919	915	-4	-0.4%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	

Table SW-22-3b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,724	21,724	0	0.0%
1.2%	21,202	21,203	31	0.1%
2.5%	21,176	21,201	25	0.1%
3.7%	20,085	18,145	-1,939	-9.7%
4.9%	18,146	17,987	-159	-0.9%
6.2%	17,987	17,836	-151	-0.8%
7.4%	17,650	16,650	-999	-5.6%
8.6%	16,581	16,582	1	0.0%
9.9%	16,407	16,406	-1	0.0%
11.1%	15,888	15,780	-108	-0.7%
12.3%	15,395	14,528	-867	-5.6%
13.6%	14,529	14,305	-224	-1.5%
14.8%	12,477	12,475	-2	0.0%
16.0%	11,789	11,786	-3	0.0%
17.3%	11,343	11,344	0	0.0%
18.5%	11,085	11,114	29	0.3%
19.8%	10,847	10,847	0	0.0%
21.0%	10,663	10,661	-2	0.0%
22.2%	10,291	10,288	-3	0.0%
23.5%	10,131	10,131	0	0.0%
24.7%	8,601	8,601	0	0.0%
25.9%	8,626	8,567	-59	-0.7%
27.2%	8,379	7,762	-617	-7.4%
28.4%	7,497	7,716	220	2.9%
29.6%	6,228	7,495	1,268	20.4%
30.9%	5,796	5,795	-1	0.0%
32.1%	4,869	5,731	862	17.7%
33.3%	4,403	5,641	1,238	28.1%
34.6%	3,993	4,865	872	21.8%
35.8%	3,865	4,401	536	13.9%
37.0%	3,835	4,326	491	12.8%
38.3%	3,709	3,961	253	7.6%
39.5%	3,696	3,834	138	3.7%
40.7%	2,821	3,832	1,010	35.8%
42.0%	2,358	3,702	1,343	57.0%
43.2%	2,318	2,816	497	21.5%
44.4%	2,230	2,416	186	8.4%
45.7%	2,194	2,226	32	1.5%
46.9%	2,174	2,224	50	2.3%
48.1%	1,969	1,820	-150	-7.6%
49.4%	1,787	1,702	-85	-4.8%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,387	1,200	-187	-13.5%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	926	1,139	213	23.0%
85.2%	900	929	29	3.2%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,036	34,036	0	0.0%
1.2%	31,808	31,808	0	0.0%
2.5%	26,269	26,268	-1	0.0%
3.7%	22,001	23,960	1,959	8.9%
4.9%	20,294	19,629	-665	-3.3%
6.2%	19,372	19,371	-1	0.0%
7.4%	17,074	16,074	-1,000	-5.9%
8.6%	14,409	14,407	-2	0.0%
9.9%	14,277	14,275	-2	0.0%
11.1%	13,402	13,402	0	0.0%
12.3%	12,917	12,916	-1	0.0%
13.6%	11,916	11,912	-4	0.0%
14.8%	11,446	11,445	-1	0.0%
16.0%	11,351	11,352	1	0.0%
17.3%	10,166	10,145	-20	-0.2%
18.5%	9,485	10,144	659	7.0%
19.8%	9,393	9,399	4	0.0%
21.0%	9,037	9,367	330	3.7%
22.2%	8,314	9,039	725	8.7%
23.5%	7,834	8,312	478	6.1%
24.7%	7,087	7,093	6	0.1%
25.9%	6,567	7,085	518	7.9%
27.2%	6,379	6,803	424	6.7%
28.4%	6,455	6,638	183	2.8%
29.6%	6,413	6,455	42	0.7%
30.9%	6,171	6,430	259	4.2%
32.1%	6,117	6,206	89	1.5%
33.3%	5,835	6,231	396	6.8%
34.6%	5,337	6,118	780	14.6%
35.8%	5,315	5,315	0	0.0%
37.0%	5,292	5,531	239	4.5%
38.3%	5,250	5,401	151	2.9%
39.5%	4,817	5,315	498	10.4%
40.7%	4,778	5,235	457	9.6%
42.0%	4,695	5,201	506	10.8%
43.2%	4,582	4,779	197	4.3%
44.4%	4,529	4,698	169	3.7%
45.7%	4,355	4,537	182	4.2%
46.9%	4,170	4,375	205	4.9%
48.1%	4,145	4,122	-23	-0.6%
49.4%	4,050	3,864	-186	-4.6%
50.6%	3,379	3,379	0	0.0%
51.9%	2,786	3,039	253	9.1%
53.1%	2,768	2,781	13	0.5%
54.3%	2,380	2,604	224	9.4%
55.6%	2,254	2,462	209	9.3%
56.8%	2,174	2,365	191	8.8%
58.0%	2,144	2,326	183	8.5%
59.3%	1,859	2,263	404	21.7%
60.5%	1,775	1,700	-75	-4.2%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,669	1,700	31	1.9%
77.8%	1,278	1,460	182	14.2%
79.0%	1,040	1,045	5	0.5%
80.2%	1,019	1,037	18	1.8%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	995	-5	-0.5%
87.7%	800	843	43	5.3%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,991	0	0.0%
1.2%	17,562	17,562	0	0.0%
2.5%	13,120	13,119	-1	0.0%
3.7%	13,116	13,116	0	0.0%
4.9%	12,900	12,899	-1	0.0%
6.2%	10,563	10,559	-4	0.0%
7.4%	8,771	8,767	-4	0.0%
8.6%	8,459	8,459	0	0.0%
9.9%	7,812	7,811	-1	0.0%
11.1%	7,660	7,679	19	0.3%
12.3%	7,560	7,560	0	0.0%
13.6%	6,692	6,713	21	0.3%
14.8%	6,239	6,239	0	0.0%
16.0%	5,101	5,101	0	0.0%
17.3%	4,793	4,799	6	0.1%
18.5%	4,554	4,553	-1	0.0%
19.8%	4,224	4,224	0	0.0%
21.0%	3,853	3,854	1	0.0%
22.2%	3,850	3,849	-1	0.0%
23.5%	3,795	3,795	0	0.0%
24.7%	3,587	3,588	1	0.0%
25.9%	3,277	3,243	-34	-1.0%
27.2%	3,043	3,080	37	1.2%
28.4%	3,079	3,035	-44	-1.4%
29.6%	3,009	2,701	-308	-10.2%
30.9%	2,921	2,267	-654	-22.4%
32.1%	2,609	2,170	-439	-16.8%
33.3%	2,171	2,000	-171	-7.9%
34.6%	1,997	1,896	-101	-5.0%
35.8%	1,900	1,893	-7	-0.4%
37.0%	1,893	1,808	-85	-4.5%
38.3%	1,814	1,649	-164	-9.1%
39.5%	1,653	1,497	-156	-9.4%
40.7%	1,650	1,490	-160	-9.7%
42.0%	1,492	1,384	-108	-7.2%
43.2%	1,387	1,374	-13	-0.9%
44.4%	1,312	1,313	1	0.0%
45.7%	1,281	1,225	-55	-4.3%
46.9%	1,275	1,224	-51	-4.0%
48.1%	1,240	1,143	-97	-7.8%
49.4%	1,225	1,123	-101	-8.3%
50.6%	1,040	1,000	-40	-3.9%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	800	834	34	4.2%
88.9%	800	781	-19	-2.4%
90.1%	785	780	-5	-0.6%
91.4%	781	750	-31	-3.9%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-3b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,718	37	0.3%
1.2%	11,146	11,146	-3	0.0%
2.5%	10,971	10,969	-2	0.0%
3.7%	9,080	9,077	-4	0.0%
4.9%	8,515	8,511	-3	0.0%
6.2%	8,203	8,203	0	0.0%
7.4%	6,986	6,983	207	4.4%
8.6%	6,549	6,649	100	1.5%
9.9%	6,154	6,602	447	7.3%
11.1%	6,071	6,532	461	7.6%
12.3%	5,637	6,057	419	7.4%
13.6%	5,563	5,720	157	2.8%
14.8%	5,400	5,486	86	1.6%
16.0%	4,843	5,191	349	7.2%
17.3%	4,842	4,851	9	0.2%
18.5%	4,754	4,662	-92	-1.9%
19.8%	4,490	4,627	137	3.0%
21.0%	4,466	4,585	119	2.7%
22.2%	4,381	4,469	88	2.0%
23.5%	4,370	4,447	77	1.8%
24.7%	4,293	4,404	111	2.6%
25.9%	4,217	4,385	168	4.0%
27.2%	4,161	4,332	171	4.1%
28.4%	4,149	4,325	177	4.3%
29.6%	4,147	4,241	94	2.3%
30.9%	4,126	4,208	83	2.0%
32.1%	4,049	4,154	106	2.6%
33.3%	4,024	4,117	93	2.3%
34.6%	3,924	4,011	87	2.2%
35.8%	3,893	4,001	109	2.8%
37.0%	3,883	3,921	39	1.0%
38.3%	3,848	3,885	37	1.0%
39.5%	3,828	3,706	-122	-3.2%
40.7%	3,741	3,659	-82	-2.2%
42.0%	3,722	3,604	-118	-3.2%
43.2%	3,706	3,599	-107	-2.9%
44.4%	3,584	3,592	7	0.2%
45.7%	3,577	3,567	-10	-0.3%
46.9%	3,514	3,536	22	0.6%
48.1%	3,451	3,486	35	1.0%
49.4%	3,422	3,416	-6	-0.2%
50.6%	3,381	3,288	-93	-2.8%
51.9%	3,355	3,137	-218	-6.5%
53.1%	3,336	3,096	-240	-7.2%
54.3%	3,332	3,080	-252	-7.6%
55.6%	3,323	3,063	-260	-7.8%
56.8%	3,309	3,045	-264	-8.0%
58.0%	3,153	2,943	-210	-6.6%
59.3%	3,080	2,898	-183	-5.9%
60.5%	3,046	2,876	-171	-5.6%
61.7%	2,926	2,871	-55	-1.9%
63.0%	2,917	2,777	-141	-4.8%
64.2%	2,898	2,744	-154	-5.3%
65.4%	2,892	2,681	-211	-7.3%
66.7%	2,863	2,623	-240	-8.4%
67.9%	2,849	2,622	-227	-8.0%
69.1%	2,813	2,549	-264	-9.4%
70.4%	2,806	2,500	-306	-10.9%
71.6%	2,798	2,500	-298	-10.7%
72.8%	2,718	2,495	-223	-8.2%
74.1%	2,519	2,490	-29	-1.2%
75.3%	2,320	2,479	160	6.9%
76.5%	2,266	2,466	200	8.8%
77.8%	2,228	2,451	223	10.0%
79.0%	2,189	2,443	254	11.6%
80.2%	2,080	2,437	356	17.1%
81.5%	2,053	2,343	291	14.2%
82.7%	2,002	2,316	314	15.7%
84.0%	1,997	2,314	317	15.9%
85.2%	1,978	2,310	332	16.8%
86.4%	1,837	2,250	414	22.5%
87.7%	1,767	2,231	465	26.3%
88.9%	1,634	2,209	575	35.2%
90.1%	1,627	2,184	558	34.3%
91.4%	1,585	2,156	571	36.0%
92.6%	1,145	2,077	933	81.5%
93.8%	1,099	2,064	966	87.9%
95.1%	1,000	2,000	1,000	100.0%
96.3%	1,000	1,978	978	97.8%
97.5%	1,000	1,895	895	89.5%
98.8%	1,000	1,765	765	76.5%
100.0%	1,000	1,584	584	58.4%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	10,000	0	0.0%
4.9%	10,000	10,000	0	0.0%
6.2%	10,000	10,000	0	0.0%
7.4%	10,000	10,000	0	0.0%
8.6%	10,000	10,000	0	0.0%
9.9%	10,000	10,000	0	0.0%
11.1%	10,000	10,000	0	0.0%
12.3%	10,000	10,000	0	0.0%
13.6%	9,986	9,934	-52	-0.5%
14.8%	9,945	9,804	-142	-1.4%
16.0%	9,791	9,799	8	0.1%
17.3%	9,727	9,731	5	0.1%
18.5%	9,717	9,694	-23	-0.2%
19.8%	9,580	9,626	46	0.5%
21.0%	9,466	9,524	58	0.6%
22.2%	9,483	9,510	27	0.3%
23.5%	9,467	9,436	-31	-0.3%
24.7%	9,301	9,377	76	0.8%
25.9%	9,385	9,273	-112	-1.2%
27.2%	9,217	9,259	42	0.5%
28.4%	9,138	9,237	99	1.1%
29.6%	9,129	9,159	30	0.3%
30.9%	9,118	9,141	22	0.2%
32.1%	9,053	9,119	66	0.7%
33.3%	9,015	8,801	-215	-2.4%
34.6%	8,964	8,798	-166	-1.9%
35.8%	8,848	8,754	-93	-1.1%
37.0%	8,833	8,706	-127	-1.4%
38.3%	8,885	8,695	-190	-2.1%
39.5%	8,819	8,650	-170	-1.9%
40.7%	8,746	8,620	-126	-1.4%
42.0%	8,714	8,619	-95	-1.1%
43.2%	8,713	8,592	-120	-1.4%
44.4%	8,656	8,563	-93	-1.1%
45.7%	8,647	8,571	-75	-0.9%
46.9%	8,565	8,453	-111	-1.3%
48.1%	8,533	8,444	-89	-1.0%
49.4%	8,495	8,438	-57	-0.7%
50.6%	8,288	8,478	190	2.3%
51.9%	8,467	8,368	-99	-1.2%
53.1%	8,457	8,360	-97	-1.1%
54.3%	8,390	8,282	-107	-1.3%
55.6%	8,347	8,189	-158	-1.9%
56.8%	8,322	8,155	-168	-2.0%
58.0%	8,316	8,150	-166	-2.0%
59.3%	8,312	8,139	-173	-2.1%
60.5%	8,292	8,104	-188	-2.3%
61.7%	8,256	7,956	-300	-3.6%
63.0%	8,250	7,845	-404	-4.9%
64.2%	8,208	7,801	-408	-5.0%
65.4%	8,159	7,696	-462	-5.7%
66.7%	7,795	7,655	-140	-1.8%
67.9%	7,728	7,424	-304	-3.9%
69.1%	7,725	7,412	-313	-4.1%
70.4%	7,580	7,338	-242	-3.2%
71.6%	7,579	7,214	-365	-4.8%
72.8%	7,426	7,169	-257	-3.5%
74.1%	7,397	7,107	-290	-3.9%
75.3%	7,303	7,048	-256	-3.5%
76.5%	7,224	7,044	-180	-2.5%
77.8%	7,086	6,981	-105	-1.5%
79.0%	6,570	6,777	207	3.2%
80.2%	6,269	6,705	436	7.0%
81.5%	6,203	6,679	476	7.7%
82.7%	5,761	6,340	579	10.1%
84.0%	5,599	6,303	703	12.6%
85.2%	5,395	5,943	548	10.2%
86.4%	3,750	4,896	1,145	30.5%
87.7%	3,716	4,667	951	25.6%
88.9%	3,459	3,976	517	14.9%
90.1%	2,804	3,611	807	28.8%
91.4%	2,796	3,400	604	21.6%
92.6%	2,448	3,380	932	38.1%
93.8%	2,428	3,298	870	35.8%
95.1%	2,379	2,542	163	6.9%
96.3%	2,358	2,425	67	2.8%
97.5%	1,507	2,400	893	59.3%
98.8%	1,484	1,484	0	0.0%
100.0%	1,440	1,214	-227	-15.7%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,603	8,639	37	0.4%
1.2%	8,663	8,663	0	0.0%
2.5%	8,167	8,556	389	4.8%
3.7%	7,924	8,341	418	5.3%
4.9%	7,866	8,086	221	2.8%
6.2%	7,763	8,079	317	4.1%
7.4%	7,427	8,017	590	7.9%
8.6%	7,398	7,954	556	7.5%
9.9%	7,306	7,909	603	8.3%
11.1%	7,246	7,876	630	8.7%
12.3%	7,196	7,828	632	8.8%
13.6%	7,190	7,821	630	8.8%
14.8%	7,163	7,819	656	9.2%
16.0%	7,076	7,666	590	8.3%
17.3%	7,027	7,660	633	9.0%
18.5%	7,011	7,594	583	8.3%
19.8%	6,997	7,562	565	8.1%
21.0%	6,964	7,494	530	7.6%
22.2%	6,932	7,438	507	7.3%
23.5%	6,880	7,393	512	7.4%
24.7%	6,869	7,322	454	6.6%
25.9%	6,862	7,210	348	5.1%
27.2%	6,830	6,934	104	1.5%
28.4%	6,824	6,794	-29	-0.4%
29.6%	6,784	6,726	-58	-0.9%
30.9%	6,601	6,685	83	1.3%
32.1%	6,555	6,565	10	0.2%
33.3%	6,554	6,388	-166	-2.5%
34.6%	6,546	6,371	-175	-2.7%
35.8%	6,519	6,280	-239	-3.7%
37.0%	6,508	6,266	-242	-3.7%
38.3%	6,505	6,246	-259	-3.9%
39.5%	6,486	6,234	-252	-3.9%
40.7%	6,446	6,164	-281	-4.4%
42.0%	6,441	5,633	-808	-12.5%
43.2%	6,409	5,576	-832	-13.0%
44.4%	6,386	5,469	-917	-14.4%
45.7%	6,315	5,474	-841	-13.3%
46.9%	6,207	5,440	-767	-12.4%
48.1%	6,086	5,408	-677	-11.1%
49.4%	6,056	5,387	-668	-11.0%
50.6%	6,025	5,267	-758	-12.7%
51.9%	5,878	4,874	-1,004	-17.1%
53.1%	5,835	4,648	-1,187	-20.3%
54.3%	5,794	4,568	-1,226	-21.2%
55.6%	5,706	4,493	-1,213	-21.3%
56.8%	5,353	4,438	-917	-17.1%
58.0%	5,310	4,351	-959	-18.1%
59.3%	5,267	4,118	-1,149	-21.8%
60.5%	5,257	4,005	-1,252	-23.8%
61.7%	5,240	3,968	-1,272	-24.3%
63.0%	4,701	3,332	-1,369	-29.1%
64.2%	4,495	3,749	-746	-16.6%
65.4%	4,495	3,715	-780	-17.3%
66.7%	4,020	3,606	-413	-10.3%
67.9%	3,752	3,602	-151	-4.0%
69.1%	3,438	3,396	-43	-1.2%
70.4%	3,412	3,374	-38	-1.1%
71.6%	2,987	3,311	324	10.8%
72.8%	2,716	2,981	265	9.7%
74.1%	2,588	2,946	359	13.9%
75.3%	2,352	2,772	420	17.9%
76.5%	2,309	2,747	438	19.0%
77.8%	2,176	2,696	520	23.9%
79.0%	1,899	2,570	671	35.3%
80.2%	1,800	2,540	740	41.1%
81.5%	1,704	2,500	796	46.7%
82.7%	1,679	2,500	821	48.9%
84.0%	1,480	2,500	1,020	68.9%
85.2%	1,450	2,500	1,050	72.4%
86.4%	1,414	2,500	1,086	76.8%
87.7%	1,411	2,466	1,055	74.9%
88.9%	1,397	2,479	1,082	77.4%
90.1%	1,354	2,391	1,038	76.7%
91.4%	1			

Table SW-23-3a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	3,312	3,145	5,786	11,338	12,918	12,986	8,811	7,670	6,330	8,371	5,972	6,575
Alternative A	3,072	3,101	5,544	11,361	12,965	13,120	8,771	7,603	6,461	8,405	5,987	6,808
Difference	-240	-44	-242	23	47	134	-40	-67	131	33	14	233
Percent Difference ³	-7.2%	-1.4%	-4.2%	0.2%	0.4%	1.0%	-0.5%	-0.9%	2.1%	0.4%	0.2%	3.5%
Water Year Types²												
Wet (32%)												
No Action Alternative	4,258	4,230	8,495	22,904	26,098	23,692	15,954	14,390	10,293	8,421	5,496	10,522
Alternative A	3,999	4,108	8,133	23,012	26,072	23,739	15,956	14,391	10,502	8,450	5,376	10,728
Difference	-259	-123	-362	109	-25	47	1	1	209	30	-120	205
Percent Difference	-6.1%	-2.9%	-4.3%	0.5%	-0.1%	0.2%	0.0%	0.0%	2.0%	0.4%	-2.2%	2.0%
Above Normal (15%)												
No Action Alternative	4,083	3,265	4,677	11,475	12,863	19,318	9,848	7,957	6,465	9,663	7,416	8,989
Alternative A	3,890	3,270	4,050	11,569	12,844	19,785	9,846	8,055	6,804	9,729	6,945	9,285
Difference	-193	6	-628	95	-19	468	-1	98	339	66	-471	296
Percent Difference	-4.7%	0.2%	-13.4%	0.8%	-0.1%	2.4%	0.0%	1.2%	5.2%	0.7%	-6.4%	3.3%
Below Normal (17%)												
No Action Alternative	3,655	3,434	6,731	5,589	8,055	7,130	5,328	4,652	4,621	9,459	7,353	4,454
Alternative A	3,356	3,423	7,083	5,345	8,511	7,459	5,327	4,635	5,078	9,394	7,015	4,676
Difference	-299	-12	-352	-244	456	329	-1	-17	457	-65	-338	223
Percent Difference	-8.2%	-0.3%	-5.2%	-4.4%	5.7%	4.6%	0.0%	-0.4%	9.9%	-0.7%	-4.6%	5.0%
Dry (22%)												
No Action Alternative	2,397	2,479	4,613	4,297	4,234	4,767	4,199	3,661	4,145	8,230	6,728	3,833
Alternative A	2,079	2,491	4,166	4,241	4,188	4,623	4,145	3,390	3,893	8,238	7,357	4,118
Difference	-318	12	-447	-56	-46	-144	-54	-270	-253	8	629	285
Percent Difference	-13.3%	0.5%	-9.7%	-1.3%	-1.1%	-3.0%	-1.3%	-7.4%	-6.1%	0.1%	9.4%	7.4%
Critical (15%)												
No Action Alternative	1,465	1,338	1,680	3,412	3,116	2,620	3,280	2,357	2,876	5,917	2,816	2,197
Alternative A	1,405	1,290	1,703	3,607	3,050	2,798	3,084	2,227	2,828	6,079	3,095	2,362
Difference	-60	-47	23	195	-66	178	-196	-130	-48	162	279	165
Percent Difference	-4.1%	-3.5%	1.4%	5.7%	-2.1%	6.8%	-6.0%	-5.5%	-1.7%	2.7%	9.9%	7.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

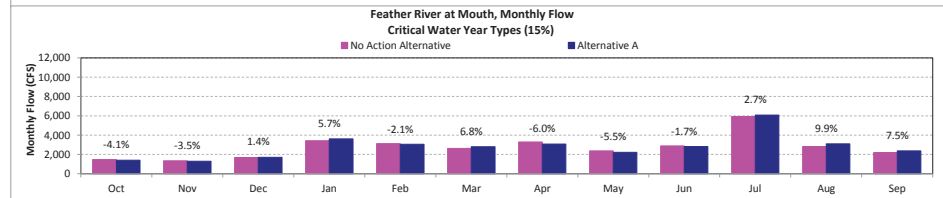
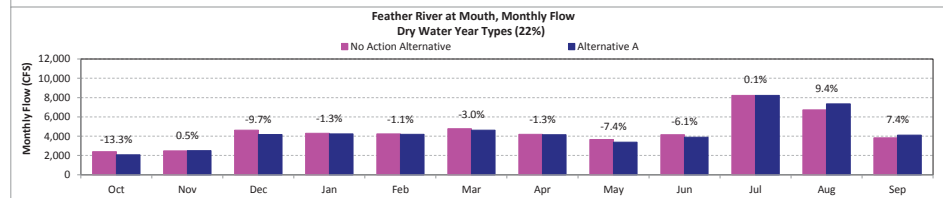
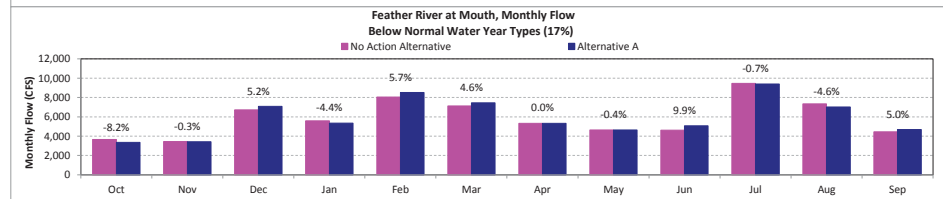
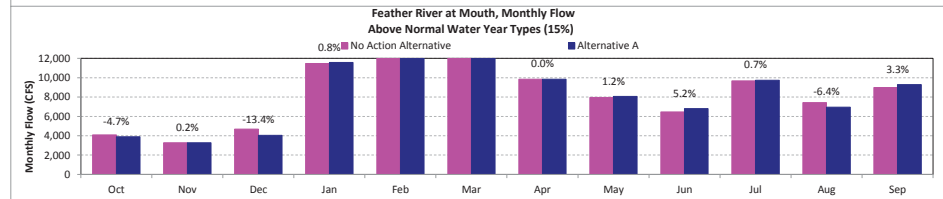
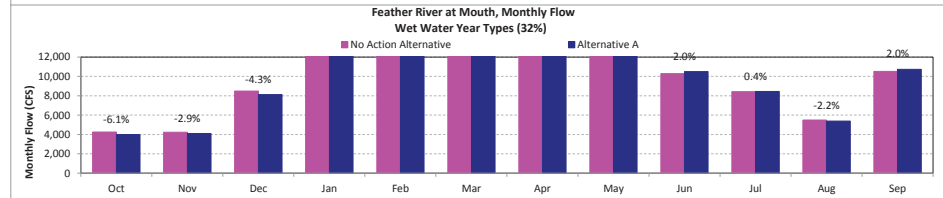
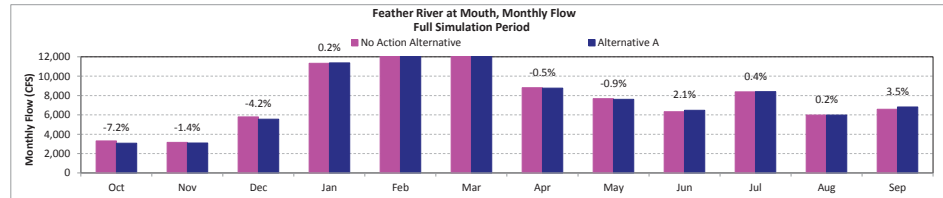


Figure SW-23-3b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

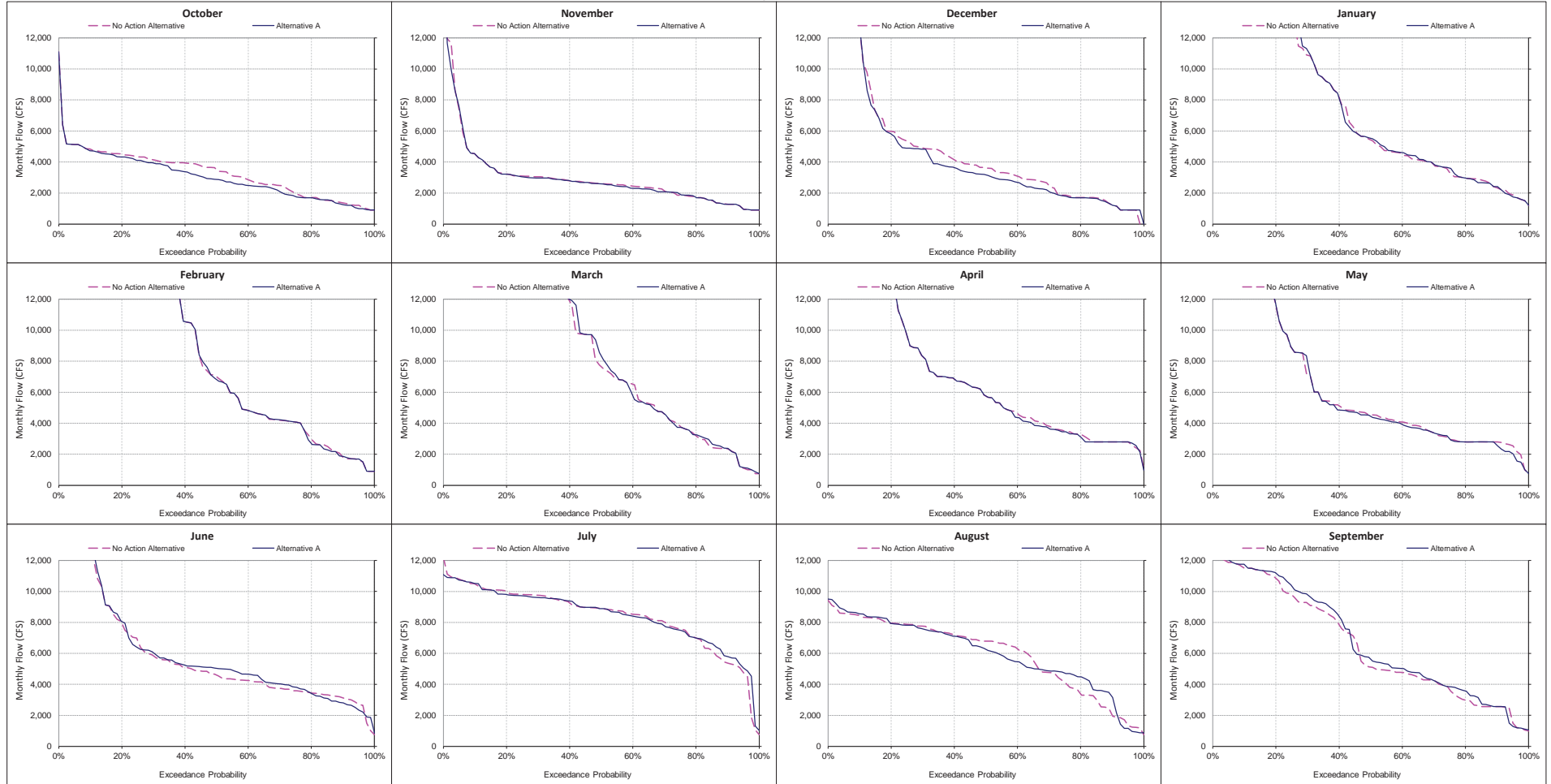


Table SW-23-3b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	11,104	11,107	3	0.0%
0.2%	6,414	6,425	11	0.2%
2.5%	5,151	5,154	3	0.1%
3.7%	5,138	5,148	10	0.2%
4.9%	5,129	5,129	0	0.0%
6.2%	5,127	5,128	0	0.0%
7.4%	5,011	5,002	-9	-0.2%
8.6%	4,864	4,865	1	0.0%
9.9%	4,833	4,729	-104	-2.1%
11.1%	4,727	4,712	-15	-0.3%
12.3%	4,712	4,640	-72	-1.5%
13.6%	4,662	4,566	-96	-2.3%
14.8%	4,651	4,523	-129	-2.8%
16.0%	4,574	4,501	-73	-1.6%
17.3%	4,543	4,458	-85	-1.9%
18.5%	4,533	4,336	-197	-4.3%
19.8%	4,520	4,318	-202	-4.5%
21.0%	4,457	4,316	-140	-3.1%
22.2%	4,432	4,270	-162	-3.7%
23.5%	4,412	4,218	-194	-4.4%
24.7%	4,333	4,104	-229	-5.3%
25.9%	4,319	4,097	-222	-5.1%
27.2%	4,317	4,028	-289	-6.7%
28.4%	4,196	3,959	-237	-5.7%
29.6%	4,159	3,950	-209	-5.0%
30.9%	4,102	3,893	-209	-5.1%
32.1%	4,040	3,889	-151	-3.7%
33.3%	4,001	3,809	-192	-4.8%
34.6%	3,988	3,751	-237	-5.9%
35.8%	3,961	3,492	-469	-11.8%
37.0%	3,960	3,462	-498	-12.6%
38.3%	3,958	3,437	-521	-13.2%
39.5%	3,948	3,384	-563	-14.3%
40.7%	3,921	3,350	-570	-14.5%
42.0%	3,907	3,235	-672	-17.2%
43.2%	3,884	3,190	-694	-17.9%
44.4%	3,802	3,092	-711	-18.7%
45.7%	3,699	3,039	-659	-17.8%
46.9%	3,649	2,927	-722	-19.8%
48.1%	3,644	2,914	-730	-20.0%
49.4%	3,629	2,878	-751	-20.7%
50.6%	3,603	2,868	-735	-20.4%
51.9%	3,386	2,813	-573	-16.9%
53.1%	3,374	2,722	-653	-19.3%
54.3%	3,151	2,718	-433	-13.7%
55.6%	3,085	2,621	-464	-15.0%
56.8%	3,057	2,560	-497	-16.3%
58.0%	3,031	2,557	-473	-15.6%
59.3%	2,918	2,503	-415	-14.2%
60.5%	2,811	2,478	-333	-11.9%
61.7%	2,705	2,453	-252	-9.3%
63.0%	2,652	2,425	-228	-8.6%
64.2%	2,618	2,419	-199	-7.6%
65.4%	2,550	2,413	-136	-5.3%
66.7%	2,548	2,361	-187	-7.3%
67.9%	2,542	2,279	-263	-10.4%
69.1%	2,498	2,203	-294	-11.8%
70.4%	2,479	2,043	-436	-17.6%
71.6%	2,387	1,923	-463	-19.4%
72.8%	2,204	1,876	-328	-14.9%
74.1%	2,075	1,839	-237	-11.4%
75.3%	1,927	1,743	-184	-9.5%
76.5%	1,837	1,707	-130	-7.1%
77.8%	1,707	1,700	-7	-0.4%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,624	-76	-4.5%
82.7%	1,585	1,582	-3	-0.2%
84.0%	1,539	1,556	18	1.1%
85.2%	1,531	1,553	22	1.4%
86.4%	1,507	1,508	1	0.0%
87.7%	1,448	1,351	-97	-6.7%
88.9%	1,400	1,304	-96	-6.8%
90.1%	1,350	1,238	-113	-8.3%
91.4%	1,303	1,200	-103	-7.9%
92.6%	1,236	1,200	-36	-2.8%
93.8%	1,059	1,059	0	0.0%
95.1%	1,200	987	-213	-17.8%
96.3%	1,060	983	-77	-7.3%
97.5%	984	929	-55	-5.6%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	23,067	23,068	1	0.0%
1.2%	11,639	11,632	-7	-0.2%
2.5%	11,671	9,977	-1,694	-14.5%
3.7%	8,621	8,619	-2	0.0%
4.9%	7,420	7,609	189	2.5%
6.2%	5,902	6,196	294	5.0%
7.4%	4,924	4,924	0	0.0%
8.6%	4,577	4,575	-2	0.0%
9.9%	4,540	4,544	4	0.1%
11.1%	4,279	4,283	4	0.1%
12.3%	4,146	4,147	1	0.0%
13.6%	3,891	3,893	2	0.0%
14.8%	3,662	3,663	1	0.0%
16.0%	3,607	3,608	0	0.0%
17.3%	3,315	3,316	1	0.0%
18.5%	3,286	3,215	-71	-2.2%
19.8%	3,239	3,210	-29	-0.9%
21.0%	3,407	3,198	-209	-6.1%
22.2%	3,123	3,149	26	0.8%
23.5%	3,093	3,108	15	0.5%
24.7%	3,091	3,056	-35	-1.1%
25.9%	3,088	3,022	-66	-2.1%
27.2%	3,017	2,988	-29	-0.9%
28.4%	3,056	2,976	-80	-2.6%
29.6%	3,048	2,973	-75	-2.5%
30.9%	3,047	2,967	-80	-2.6%
32.1%	3,020	2,965	-55	-1.8%
33.3%	2,973	2,959	-14	-0.5%
34.6%	2,956	2,899	-57	-1.9%
35.8%	2,895	2,879	-16	-0.6%
37.0%	2,879	2,873	-6	-0.2%
38.3%	2,857	2,816	-41	-1.4%
39.5%	2,816	2,816	0	0.0%
40.7%	2,788	2,756	-33	-1.2%
42.0%	2,751	2,754	4	0.1%
43.2%	2,748	2,688	-60	-2.2%
44.4%	2,693	2,694	1	0.0%
45.7%	2,683	2,676	-8	-0.3%
46.9%	2,665	2,622	-43	-1.6%
48.1%	2,633	2,615	-18	-0.7%
49.4%	2,610	2,582	-28	-1.0%
50.6%	2,584	2,584	0	0.0%
51.9%	2,583	2,532	-51	-2.0%
53.1%	2,566	2,528	-38	-1.5%
54.3%	2,559	2,467	-91	-3.6%
55.6%	2,533	2,429	-104	-4.1%
56.8%	2,526	2,421	-105	-4.2%
58.0%	2,458	2,412	-46	-1.9%
59.3%	2,454	2,317	-137	-5.6%
60.5%	2,421	2,293	-128	-5.3%
61.7%	2,410	2,289	-121	-5.0%
63.0%	2,257	2,264	7	0.3%
64.2%	2,366	2,258	-108	-4.6%
65.4%	2,342	2,247	-95	-4.0%
66.7%	2,314	2,186	-127	-5.5%
67.9%	2,290	2,076	-214	-9.3%
69.1%	2,257	2,075	-182	-8.1%
70.4%	2,073	2,073	0	0.0%
71.6%	2,070	2,058	-12	-0.6%
72.8%	2,022	2,044	22	1.1%
74.1%	1,863	2,031	168	9.0%
75.3%	1,858	1,871	13	0.7%
76.5%	1,850	1,860	10	0.6%
77.8%	1,787	1,857	69	3.9%
79.0%	1,776	1,830	54	3.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,647	1,659	12	0.7%
84.0%	1,548	1,550	2	0.1%
85.2%	1,499	1,545	46	3.0%
86.4%	1,357	1,362	5	0.4%
87.7%	1,345	1,345	0	0.0%
88.9%	1,312	1,282	-30	-2.3%
90.1%	1,280	1,281	1	0.1%
91.4%	1,271	1,278	7	0.5%
92.6%	1,270	1,269	-1	0.0%
93.8%	1,177	1,175	-2	-0.1%
95.1%	954	946	-8	-0.9%
96.3%	937	936	-1	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	48,403	48,404	1	0.0%
1.2%	32,897	32,897	0	0.0%
2.5%	32,019	29,166	-2,854	-8.9%
3.7%	21,161	21,539	378	1.8%
4.9%	20,375	21,173	798	3.9%
6.2%	18,708	19,818	1,110	5.9%
7.4%	17,732	18,596	864	4.9%
8.6%	13,076	15,896	2,820	21.6%
9.9%	12,933	12,933	0	0.0%
11.1%	10,411	10,412	1	0.0%
12.3%	9,782	8,590	-1,192	-12.2%
13.6%	8,600	7,655	-945	-11.0%
14.8%	7,335	7,335	0	0.0%
16.0%	6,829	6,834	5	0.1%
17.3%	6,808	6,316	-492	-7.2%
18.5%	5,995	5,948	-47	-0.8%
19.8%	5,972	5,837	-135	-2.3%
21.0%	5,948	5,639	-309	-5.2%
22.2%	5,635	5,197	-438	-7.8%
23.5%	5,476	4,925	-551	-10.1%
24.7%	5,382	4,899	-483	-9.0%
25.9%	5,262	4,893	-369	-7.0%
27.2%	5,031	4,865	-166	-3.3%
28.4%	4,994	4,851	-143	-2.9%
29.6%	4,919	4,827	-93	-1.9%
30.9%	4,864	4,818	-47	-1.0%
32.1%	4,843	4,741	-102	-2.1%
33.3%	4,825	3,892	-932	-19.3%
34.6%	4,815	3,888	-928	-19.3%
35.8%	4,692	3,810	-882	-18.8%
37.0%	4,480	3,734	-746	-16.7%
38.3%	4,369	3,661	-708	-16.2%
39.5%	4,207	3,661	-546	-13.0%
40.7%	4,046	3,590	-456	-11.3%
42.0%	4,038	3,446	-592	-14.7%
43.2%	3,892	3,388	-504	-12.9%
44.4%	3,864	3,328	-536	-13.9%
45.7%	3,810	3,326	-484	-12.7%
46.9%	3,797	3,230	-567	-14.9%
48.1%	3,660	3,222	-438	-11.9%
49.4%	3,647	3,197	-450	-12.4%
50.6%	3,608	3,137	-471	-13.1%
51.9%	3,589	3,026	-563	-15.7%
53.1%	3,382	2,953	-429	-12.7%
54.3%	3,324	2,885	-439	-13.2%
55.6%	3,321	2,865	-457	-13.8%
56.8%	3,289	2,853	-437	-13.3%
58.0%	3,220	2,790	-430	-13.4%
59.3%	3,136	2,723	-413	-13.2%
60.5%	3,045	2,663	-382	-12.5%
61.7%	2,897	2,505	-392	-13.5%
63.0%	2,881	2,397	-484	-16.8%
64.2%	2,863	2,391	-472	-16.5%
65.4%	2,852	2,305	-548	-19.2%
66.7%	2,788	2,274	-514	-18.4%
67.9%	2,723	2,256	-467	-17.2%
69.1%	2,683	2,206	-477	-17.8%
70.4%	2,387	2,044	-342	-14.3%
71.6%	2,313	1,984	-328	-14.2%
72.8%	1,867	1,875	8	0.4%
74.1%	1,855	1,819	-36	-2.0%
75.3%	1,853	1,794	-59	-3.2%
76.5%	1,796	1,705	-91	-5.1%
77.8%	1,716	1,700	-16	-1.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,700	1,675	-25	-1.5%
84.0%	1,700	1,656	-44	-2.6%
85.2%	1,673	1,649	-24	-1.4%
86.4%	1,648	1,529	-119	-7.2%
87.7%	1,526	1,463	-63	-4.2%
88.9%	1,337	1,339	2	0.2%
90.1%	1,200	1,200	0	0.0%
91.4%	1,159	1,158	-1	-0.1%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%

Table SW-23-3b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,646	73,546	-1,100	-1.5%
0.2%	74,646	47,722	-26,924	-36.1%
2.5%	36,819	36,810	-9	0.0%
3.7%	36,336	36,336	1	0.0%
4.9%	35,637	35,639	1	0.0%
6.2%	35,414	35,415	1	0.0%
7.4%	35,093	35,062	-2	0.0%
8.6%	33,624	33,622	-1	0.0%
9.9%	31,040	31,042	2	0.0%
11.1%	30,146	30,148	2	0.0%
12.3%	30,130	29,370	-760	-2.5%
13.6%	28,315	28,304	-11	0.0%
14.8%	25,886	26,095	209	0.8%
16.0%	25,806	25,889	83	0.3%
17.3%	25,229	25,699	470	1.9%
18.5%	24,130	25,222	1,092	4.5%
19.8%	24,018	24,030	12	0.0%
21.0%	22,239	20,700	-1,539	-6.9%
22.2%	20,605	20,606	1	0.0%
23.5%	20,369	20,467	98	0.5%
24.7%	20,210	20,401	191	0.9%
25.9%	18,698	18,765	67	0.4%
27.2%	17,037	18,706	1,669	9.8%
28.4%	16,420	17,680	1,259	7.7%
29.6%	16,098	16,542	444	2.8%
30.9%	15,798	16,416	619	3.9%
32.1%	15,769	16,100	331	2.1%
33.3%	15,708	15,818	110	0.7%
34.6%	15,340	15,771	431	2.8%
35.8%	13,600	14,679	1,079	7.9%
37.0%	12,704	12,702	-1	0.0%
38.3%	12,138	12,138	0	0.0%
39.5%	10,574	10,575	1	0.0%
40.7%	10,526	10,527	1	0.0%
42.0%	10,472	10,473	1	0.0%
43.2%	10,036	10,043	7	0.1%
44.4%	8,401	8,401	0	0.0%
45.7%	7,628	7,933	305	4.0%
46.9%	7,409	7,629	220	3.0%
48.1%	7,128	7,122	-6	-0.1%
49.4%	7,119	6,900	-219	-3.1%
50.6%	6,899	6,719	-180	-2.6%
51.9%	6,716	6,659	-57	-0.9%
53.1%	6,521	6,523	2	0.0%
54.3%	5,958	5,957	-1	0.0%
55.6%	5,928	5,930	2	0.0%
56.8%	5,620	5,619	-1	0.0%
58.0%	4,906	4,909	3	0.0%
59.3%	4,865	4,861	-4	-0.1%
60.5%	4,789	4,793	4	0.1%
61.7%	4,708	4,710	2	0.0%
63.0%	4,623	4,625	2	0.0%
64.2%	4,576	4,581	5	0.1%
65.4%	4,526	4,529	3	0.1%
66.7%	4,258	4,313	55	1.3%
67.9%	4,246	4,260	14	0.3%
69.1%	4,212	4,248	37	0.9%
70.4%	4,185	4,213	29	0.7%
71.6%	4,174	4,187	13	0.3%
72.8%	4,134	4,138	4	0.1%
74.1%	4,098	4,103	5	0.1%
75.3%	4,077	4,079	2	0.1%
76.5%	4,015	3,998	-18	-0.4%
77.8%	3,533	3,537	4	0.1%
79.0%	3,255	3,225	-30	-10.1%
80.2%	2,921	2,636	-284	-9.7%
81.5%	2,684	2,620	-64	-2.4%
82.7%	2,617	2,613	-4	-0.1%
84.0%	2,607	2,353	-254	-9.8%
85.2%	2,498	2,272	-226	-9.0%
86.4%	2,274	2,179	-95	-4.2%
87.7%	2,177	2,171	-6	-0.3%
88.9%	2,067	1,887	-181	-8.7%
90.1%	1,774	1,861	87	4.9%
91.4%	1,700	1,781	81	4.7%
92.6%	1,700	1,701	1	0.1%
93.8%	1,700	1,700	0	0.0%
95.1%	1,623	1,700	77	4.8%
96.3%	1,510	1,516	6	0.4%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,624	58,624	0	0.0%
1.2%	58,327	58,320	-8	0.0%
2.5%	47,905	49,866	1,961	4.1%
3.7%	43,551	42,887	-664	-1.5%
4.9%	36,124	36,129	5	0.0%
6.2%	34,670	34,670	0	0.0%
7.4%	34,052	34,054	2	0.0%
8.6%	30,904	30,921	18	0.1%
9.9%	29,602	29,490	-112	-0.4%
11.1%	29,379	29,380	1	0.0%
12.3%	29,112	29,112	0	0.0%
13.6%	27,685	27,685	0	0.0%
14.8%	26,133	26,120	-13	-0.1%
16.0%	23,868	23,869	0	0.0%
17.3%	22,317	22,319	2	0.0%
18.5%	21,899	21,902	3	0.0%
19.8%	19,914	19,923	9	0.0%
21.0%	19,913	19,915	2	0.0%
22.2%	19,061	19,065	4	0.0%
23.5%	18,950	18,936	-14	-0.1%
24.7%	18,575	18,577	2	0.0%
25.9%	17,103	17,100	-3	0.0%
27.2%	16,998	16,989	-9	0.0%
28.4%	16,206	16,984	778	4.8%
29.6%	15,564	16,830	1,266	8.1%
30.9%	14,770	16,205	1,435	9.7%
32.1%	14,586	14,767	181	1.2%
33.3%	14,523	14,588	64	0.4%
34.6%	14,058	14,571	513	3.7%
35.8%	13,952	13,935	-17	-0.1%
37.0%	12,919	12,920	1	0.0%
38.3%	12,187	12,184	-4	0.0%
39.5%	12,053	12,054	1	0.0%
40.7%	11,601	11,900	299	2.6%
42.0%	9,827	11,602	1,775	18.1%
43.2%	9,764	9,829	65	0.7%
44.4%	9,754	9,756	2	0.0%
45.7%	9,723	9,725	2	0.0%
46.9%	9,723	9,720	-3	0.0%
48.1%	8,104	9,375	1,271	15.7%
49.4%	7,766	8,556	790	10.2%
50.6%	7,532	8,102	570	7.6%
51.9%	7,377	7,763	386	5.2%
53.1%	7,190	7,380	191	2.7%
54.3%	6,907	7,194	286	4.1%
55.6%	6,816	6,814	-2	0.0%
56.8%	6,790	6,791	1	0.0%
58.0%	6,608	6,629	20	0.3%
59.3%	6,570	6,106	-464	-7.1%
60.5%	6,486	5,526	-961	-14.8%
61.7%	5,526	5,381	-145	-2.6%
63.0%	5,376	5,377	1	0.0%
64.2%	5,330	5,238	-92	-1.7%
65.4%	5,236	5,187	-48	-0.9%
66.7%	5,183	4,925	-258	-5.0%
67.9%	4,757	4,760	3	0.0%
69.1%	4,737	4,740	3	0.1%
70.4%	4,530	4,533	3	0.1%
71.6%	4,208	4,216	8	0.2%
72.8%	4,114	3,981	-133	-3.2%
74.1%	3,981	3,742	-239	-6.0%
75.3%	3,731	3,738	7	0.2%
76.5%	3,634	3,635	1	0.0%
77.8%	3,552	3,557	5	0.1%
79.0%	3,371	3,273	-98	-2.9%
80.2%	3,149	3,245	96	3.1%
81.5%	2,970	3,153	183	6.2%
82.7%	2,951	3,054	104	3.5%
84.0%	2,590	2,959	368	14.2%
85.2%	2,435	2,655	220	9.0%
86.4%	2,397	2,575	177	7.4%
87.7%	2,375	2,524	148	6.2%
88.9%	2,372	2,394	23	1.0%
90.1%	2,342	2,373	30	1.3%
91.4%	2,187	2,165	-23	-1.0%
92.6%	2,066	2,074	8	0.4%
93.8%	2,000	2,000	0	0.0%
95.1%	1,105	1,143	38	3.4%
96.3%	1,000	1,102	102	10.2%
97.5%	1,000	1,000	0	0.0%
98.8%	750	865	115	15.3%
100.0%	750	750	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,219	49,220	1	0.0%
1.2%	30,825	30,827	2	0.0%
2.5%	28,609	28,609	0	0.0%
3.7%	27,668	27,669	1	0.0%
4.9%	27,286	27,291	5	0.0%
6.2%	27,135	27,138	3	0.0%
7.4%	25,742	25,747	5	0.0%
8.6%	25,476	25,474	-2	0.0%
9.9%	21,671	21,669	-2	0.0%
11.1%	18,842	18,844	2	0.0%
12.3%	17,899	17,900	1	0.0%
13.6%	14,918	14,919	1	0.0%
14.8%	14,839	14,841	2	0.0%
16.0%	14,496	14,503	7	0.1%
17.3%	13,919	13,907	-12	-0.1%
18.5%	13,789	13,784	-5	0.0%
19.8%	13,312	13,312	0	0.0%
21.0%	12,756	12,762	6	0.0%
22.2%	11,275	11,276	1	0.0%
23.5%	10,608	10,608	0	0.0%
24.7%	9,858	9,855	-3	0.0%
25.9%	8,994	8,996	2	0.0%
27.2%	8,872	8,873	1	0.0%
28.4%	8,864	8,861	-3	0.0%
29.6%	8,375	8,375	0	0.0%
30.9%	8,121	8,118	-3	0.0%
32.1%	7,350	7,349	-1	0.0%
33.3%	7,271	7,272	1	0.0%
34.6%	7,021	7,017	-4	-0.1%
35.8%	7,014	7,015	1	0.0%
37.0%	6,996	6,997	1	0.0%
38.3%	6,938	6,937	-1	0.0%
39.5%	6,925	6,928	3	0.0%
40.7%	6,726	6,725	-1	0.0%
42.0%	6,702	6,705	3	0.0%
43.2%	6,638	6,639	0	0.0%
44.4%	6,477	6,480	3	0.0%
45.7%	6,330	6,335	5	0.1%
46.9%	6,299	6,300	1	0.0%
48.1%	6,210	6,211	1	0.0%
49.4%	5,826	5,829	3	0.1%
50.6%	5,681	5,683	2	0.0%
51.9%	5,637	5,639	2	0.0%
53.1%	5,341	5,342	1	0.0%
54.3%	5,313	5,314	1	0.0%
55.6%	4,983	4,993	11	0.2%
56.8%	4,874	4,876	2	0.0%
58.0%	4,791	4,792	1	0.0%
59.3%	4,778	4,383	-395	-8.3%
60.5%	4,521	4,358	-163	-3.6%
61.7%	4,382	4,146	-236	-5.4%
63.0%	4,356	4,101	-255	-5.9%
64.2%	4,353	4,046	-307	-7.0%
65.4%	4,153	3,856	-297	-7.1%
66.7%	4,097	3,840	-257	-6.3%
67.9%	4,041	3,779	-262	-6.5%
69.1%	3,871	3,770	-101	-2.6%
70.4%	3,778	3,624	-155	-4.1%
71.6%	3,621	3,609	-12	-0.3%
72.8%	3,608	3,550	-58	-1.6%
74.1%	3,557	3,460	-97	-2.7%
75.3%	3,460	3,450	-10	-0.3%
76.5%	3,451	3,314	-137	-4.0%
77.8%	3,320	3,313	-7	-0.2%
79.0%	3,313	3,278	-35	-1.1%
80.2%	3,272	3,061	-212	-6.5%
81.5%	3,108	2,800	-308	-9.9%
82.7%	2,944	2,800	-144	-4.9%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,800	2,335	-465	-16.6%
92.6%	2,681	2,182	-499	-18.6%
93.8%	2,600	2,634	34	1.3%
95.				

Table SW-23-3b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,601	24,601	0	0.0%
0.2%	22,627	22,627	0	0.0%
2.5%	19,254	19,257	3	0.0%
3.7%	18,975	19,027	52	0.3%
4.9%	18,580	18,579	-1	0.0%
6.2%	18,128	18,128	-2	0.0%
7.4%	17,594	17,596	2	0.0%
8.6%	12,458	12,921	463	3.7%
9.9%	12,431	12,729	298	2.4%
11.1%	11,983	12,480	496	4.1%
12.3%	10,791	11,286	495	4.6%
13.6%	10,322	10,405	83	0.8%
14.8%	9,132	9,133	1	0.0%
16.0%	9,051	9,075	24	0.3%
17.3%	8,538	8,666	127	1.5%
18.5%	8,197	8,555	358	4.4%
19.8%	8,073	8,081	8	0.1%
21.0%	7,491	7,949	458	6.1%
22.2%	7,260	6,998	-262	-3.6%
23.5%	7,034	6,571	-463	-6.6%
24.7%	6,986	6,414	-572	-8.2%
25.9%	6,397	6,258	-139	-2.2%
27.2%	6,105	6,219	115	1.9%
28.4%	5,991	6,208	216	3.6%
29.6%	5,905	6,111	206	3.5%
30.9%	5,715	5,912	197	3.4%
32.1%	5,617	5,705	89	1.6%
33.3%	5,581	5,705	125	2.2%
34.6%	5,578	5,582	3	0.1%
35.8%	5,363	5,574	211	3.9%
37.0%	5,291	5,405	114	2.2%
38.3%	5,276	5,334	59	1.1%
39.5%	5,075	5,263	188	3.7%
40.7%	5,075	5,193	118	2.3%
42.0%	5,005	5,183	177	3.5%
43.2%	4,890	5,172	282	5.8%
44.4%	4,880	5,151	271	5.6%
45.7%	4,853	5,122	269	5.5%
46.9%	4,852	5,099	247	5.1%
48.1%	4,682	5,098	416	8.9%
49.4%	4,654	5,052	399	8.6%
50.6%	4,551	5,018	466	10.2%
51.9%	4,391	4,996	605	13.8%
53.1%	4,363	4,988	625	14.3%
54.3%	4,356	4,973	617	14.2%
55.6%	4,334	4,872	538	12.4%
56.8%	4,279	4,779	500	11.7%
58.0%	4,273	4,673	400	9.4%
59.3%	4,258	4,670	413	9.7%
60.5%	4,248	4,640	392	9.2%
61.7%	4,172	4,598	426	10.2%
63.0%	4,163	4,576	413	9.9%
64.2%	4,161	4,324	163	3.9%
65.4%	3,987	4,153	166	4.2%
66.7%	3,801	4,105	304	8.0%
67.9%	3,773	4,082	308	8.2%
69.1%	3,738	4,037	299	8.0%
70.4%	3,734	4,020	286	7.7%
71.6%	3,696	3,981	285	7.7%
72.8%	3,688	3,961	272	7.4%
74.1%	3,587	3,847	260	7.2%
75.3%	3,585	3,807	222	6.2%
76.5%	3,563	3,714	151	4.2%
77.8%	3,497	3,675	179	5.1%
79.0%	3,491	3,519	28	0.8%
80.2%	3,441	3,394	-47	-1.4%
81.5%	3,413	3,249	-164	-4.8%
82.7%	3,382	3,236	-146	-4.3%
84.0%	3,342	3,123	-219	-6.5%
85.2%	3,324	3,086	-238	-7.2%
86.4%	3,263	2,914	-349	-10.7%
87.7%	3,231	2,813	-319	-9.9%
88.9%	3,209	2,842	-367	-11.4%
90.1%	3,122	2,800	-322	-10.3%
91.4%	3,059	2,679	-379	-12.4%
92.6%	3,007	2,650	-357	-11.9%
93.8%	2,861	2,524	-337	-11.8%
95.1%	2,697	2,336	-361	-13.4%
96.3%	2,650	2,210	-440	-16.6%
97.5%	1,495	1,894	399	26.7%
98.8%	1,000	1,864	864	86.4%
100.0%	750	854	104	13.9%

Percent Exceedance Probability	July			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,198	11,088	-1,110	-9.1%
1.2%	11,117	10,887	-229	-2.0%
2.5%	10,932	10,887	-45	-0.4%
3.7%	10,891	10,881	-10	-0.1%
4.9%	10,791	10,738	-54	-0.5%
6.2%	10,697	10,695	-2	0.0%
7.4%	10,624	10,624	-31	-0.3%
8.6%	10,515	10,604	89	0.8%
9.9%	10,498	10,511	13	0.1%
11.1%	10,348	10,495	147	1.4%
12.3%	10,226	10,112	-114	-1.1%
13.6%	10,124	10,111	-13	-0.1%
14.8%	10,113	10,090	-23	-0.2%
16.0%	10,090	10,071	-19	-0.2%
17.3%	10,088	9,837	-251	-2.5%
18.5%	10,071	9,822	-249	-2.5%
19.8%	10,039	9,814	-224	-2.2%
21.0%	9,862	9,764	-98	-1.0%
22.2%	9,824	9,754	-70	-0.7%
23.5%	9,820	9,744	-75	-0.8%
24.7%	9,808	9,720	-88	-0.9%
25.9%	9,800	9,708	-93	-0.9%
27.2%	9,792	9,656	-136	-1.4%
28.4%	9,778	9,627	-150	-1.5%
29.6%	9,752	9,616	-136	-1.4%
30.9%	9,748	9,595	-153	-1.6%
32.1%	9,704	9,589	-115	-1.2%
33.3%	9,642	9,549	-94	-1.0%
34.6%	9,542	9,547	5	0.0%
35.8%	9,487	9,520	33	0.3%
37.0%	9,416	9,499	83	0.9%
38.3%	9,400	9,423	23	0.2%
39.5%	9,341	9,402	61	0.7%
40.7%	9,146	9,363	216	2.4%
42.0%	9,064	9,150	86	1.0%
43.2%	9,007	9,015	8	0.1%
44.4%	8,971	8,971	4	0.0%
45.7%	8,967	8,970	3	0.0%
46.9%	8,959	8,970	11	0.1%
48.1%	8,933	8,968	35	0.4%
49.4%	8,928	8,897	-31	-0.3%
50.6%	8,908	8,865	-43	-0.5%
51.9%	8,844	8,864	20	0.2%
53.1%	8,815	8,691	-124	-1.4%
54.3%	8,755	8,680	-75	-0.9%
55.6%	8,746	8,650	-96	-1.1%
56.8%	8,713	8,519	-195	-2.2%
58.0%	8,559	8,486	-73	-0.9%
59.3%	8,548	8,431	-116	-1.4%
60.5%	8,525	8,364	-161	-1.9%
61.7%	8,504	8,352	-152	-1.8%
63.0%	8,112	7,906	-207	-2.5%
64.2%	8,394	8,284	-110	-1.3%
65.4%	8,209	8,153	-55	-0.7%
66.7%	8,179	8,016	-163	-2.0%
67.9%	8,115	7,927	-188	-2.3%
69.1%	8,112	7,906	-207	-2.5%
70.4%	7,976	7,722	-254	-3.2%
71.6%	7,769	7,672	-97	-1.2%
72.8%	7,693	7,585	-108	-1.4%
74.1%	7,613	7,529	-84	-1.1%
75.3%	7,582	7,485	-97	-1.3%
76.5%	7,490	7,375	-115	-1.5%
77.8%	7,171	7,095	-76	-1.1%
79.0%	7,043	7,043	-40	-0.6%
80.2%	6,982	6,983	1	0.0%
81.5%	6,974	6,938	-36	-0.5%
82.7%	6,341	6,822	481	7.6%
84.0%	6,319	6,690	371	5.9%
85.2%	6,176	6,624	448	7.3%
86.4%	5,857	6,417	560	9.6%
87.7%	5,690	6,270	580	10.2%
88.9%	5,454	5,849	394	7.2%
90.1%	5,373	5,790	416	7.8%
91.4%	5,306	5,699	394	7.4%
92.6%	5,247	5,691	444	8.5%
93.8%	5,083	5,317	234	4.6%
95.1%	4,749	5,046	297	6.3%
96.3%	4,499	4,871	373	8.3%
97.5%	1,866	4,523	2,657	142.4%
98.8%	1,049	1,312	263	25.1%
100.0%	750	1,024	274	36.6%

Percent Exceedance Probability	August			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,434	9,518	84	0.9%
1.2%	9,432	9,473	41	0.4%
2.5%	9,500	9,227	-273	-3.1%
3.7%	8,607	8,941	334	3.9%
4.9%	8,582	8,835	252	2.9%
6.2%	8,566	8,679	114	1.3%
7.4%	8,532	8,658	126	1.5%
8.6%	8,502	8,640	138	1.6%
9.9%	8,449	8,560	111	1.3%
11.1%	8,327	8,536	209	2.5%
12.3%	8,313	8,375	62	0.7%
13.6%	8,286	8,351	65	0.7%
14.8%	8,256	8,349	93	1.1%
16.0%	8,253	8,345	92	1.1%
17.3%	8,129	8,288	158	1.9%
18.5%	7,984	8,257	274	3.4%
19.8%	7,955	7,941	-15	-0.2%
21.0%	7,940	7,904	-37	-0.5%
22.2%	7,918	7,885	-32	-0.4%
23.5%	7,909	7,836	-72	-0.9%
24.7%	7,896	7,825	-61	-0.8%
25.9%	7,865	7,824	-41	-0.5%
27.2%	7,859	7,813	-46	-0.6%
28.4%	7,771	7,655	-115	-1.5%
29.6%	7,760	7,602	-158	-2.0%
30.9%	7,744	7,541	-203	-2.6%
32.1%	7,577	7,465	-113	-1.5%
33.3%	7,528	7,439	-89	-1.2%
34.6%	7,395	7,402	7	0.1%
35.8%	7,358	7,382	24	0.3%
37.0%	7,337	7,263	-74	-1.0%
38.3%	7,308	7,194	-114	-1.6%
39.5%	7,231	7,105	-126	-1.7%
40.7%	7,150	7,095	-55	-0.8%
42.0%	7,104	7,025	-79	-1.1%
43.2%	7,080	6,972	-109	-1.5%
44.4%	6,981	6,978	-3	0.0%
45.7%	6,897	6,498	-399	-5.8%
46.9%	6,890	6,487	-403	-5.8%
48.1%	6,804	6,431	-372	-5.5%
49.4%	6,798	6,329	-469	-6.9%
50.6%	6,790	6,300	-490	-7.2%
51.9%	6,795	6,132	-664	-9.8%
53.1%	6,735	6,054	-681	-10.1%
54.3%	6,663	5,941	-723	-10.8%
55.6%	6,661	5,821	-840	-12.6%
56.8%	6,541	5,636	-905	-13.8%
58.0%	6,468	5,552	-916	-14.2%
59.3%	6,400	5,470	-930	-14.5%
60.5%	6,197	5,454	-743	-12.0%
61.7%	6,172	5,279	-893	-14.5%
63.0%	6,000	5,108	-892	-14.9%
64.2%	5,783	5,064	-718	-12.4%
65.4%	5,404	5,008	-396	-7.3%
66.7%	4,998	4,986	-12	-0.2%
67.9%	4,794	4,957	163	3.4%
69.1%	4,773	4,888	115	2.4%
70.4%	4,759	4,873	114	2.4%
71.6%	4,729	4,864	136	2.9%
72.8%	4,446	4,827	381	8.6%
74.1%	4,257	4,804	547	12.9%
75.3%	4,064	4,697	633	15.6%
76.5%	3,810	4,690	881	23.1%
77.8%	3,739	4,618	879	23.5%
79.0%	3,632	4,496	864	23.8%
80.2%	3,300	4,474	1,174	35.6%
81.5%	3,300	4,362	1,062	32.2%
82.7%	3,300	4,230	930	28.2%
84.0%	3,269	3,651	382	11.7%
85.2%	2,959	3,615	656	22.2%
86.4%	2,553	3,602	1,049	41.1%
87.7%	2,536	3,541	1,005	39.7%
88.9%	2,459	3,494	1,035	42.1%
90.1%	1,943	3,159	1,216	62.6%
91.4%	1,885	2,15		

Table SW-24-3a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	477	435	448	466	487	594	719	840	810	666	582	496
Alternative A	495	454	460	477	498	602	724	844	816	698	605	518
Difference	18	19	13	10	10	7	5	4	6	32	23	22
Percent Difference ³	3.9%	4.4%	2.9%	2.2%	2.1%	1.2%	0.7%	0.5%	0.8%	4.7%	4.0%	4.5%
Water Year Types²												
Wet (32%)												
No Action Alternative	590	505	505	520	505	634	792	964	961	867	762	600
Alternative A	604	520	514	520	505	634	792	964	960	884	769	623
Difference	14	15	9	0	0	0	0	0	-1	17	8	23
Percent Difference	2.3%	2.9%	1.8%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.9%	1.0%	3.9%
Above Normal (15%)												
No Action Alternative	528	474	492	516	533	649	796	966	939	744	662	559
Alternative A	552	499	508	522	537	649	796	966	943	779	685	585
Difference	25	25	16	7	4	0	0	0	4	35	23	26
Percent Difference	4.7%	5.3%	3.2%	1.3%	0.7%	0.0%	0.0%	0.0%	0.5%	4.7%	3.5%	4.7%
Below Normal (17%)												
No Action Alternative	558	508	504	500	538	635	787	928	907	685	610	565
Alternative A	573	517	509	503	546	643	787	923	904	756	664	589
Difference	15	9	5	3	8	8	-1	-4	-3	71	55	24
Percent Difference	2.8%	1.7%	1.0%	0.7%	1.5%	1.3%	-0.1%	-0.5%	-0.4%	10.3%	9.0%	4.3%
Dry (22%)												
No Action Alternative	390	396	410	430	495	601	704	777	708	541	451	420
Alternative A	421	428	430	448	511	610	718	789	719	567	485	450
Difference	30	32	20	19	16	9	14	12	11	27	33	29
Percent Difference	7.8%	8.1%	5.0%	4.3%	3.3%	1.4%	1.9%	1.5%	1.6%	5.0%	7.4%	7.0%
Critical (15%)												
No Action Alternative	215	215	269	316	334	396	425	437	391	321	274	239
Alternative A	223	229	285	347	365	423	441	452	418	342	278	243
Difference	8	14	16	31	31	27	16	14	27	22	4	5
Percent Difference	3.9%	6.7%	5.9%	9.9%	9.3%	6.7%	3.9%	3.3%	6.9%	6.9%	1.6%	1.9%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

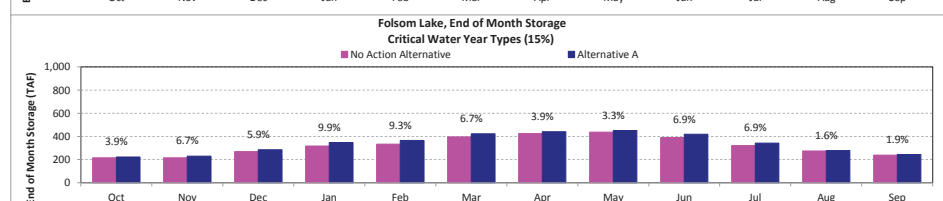
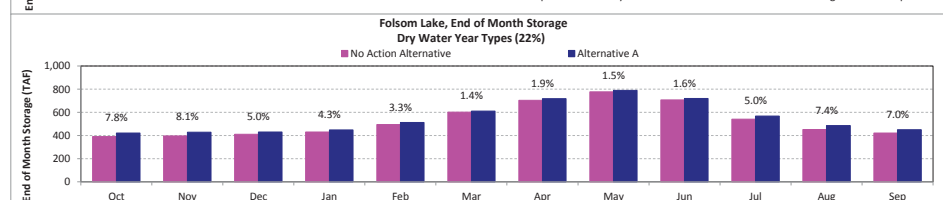
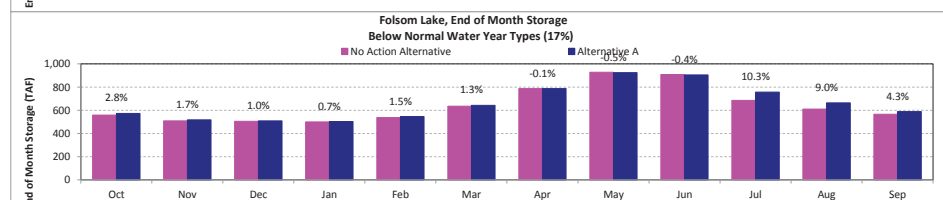
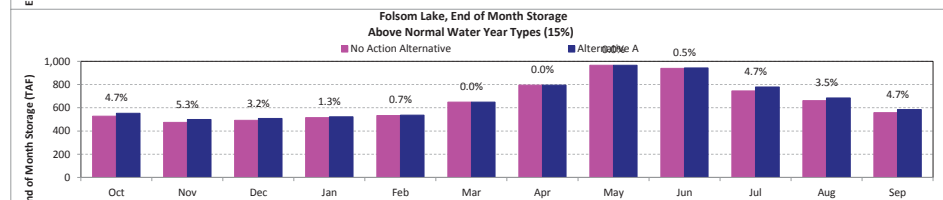
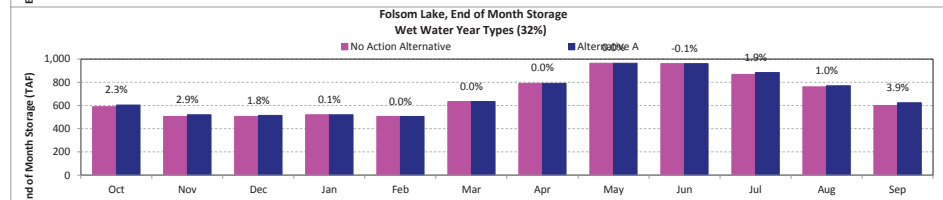
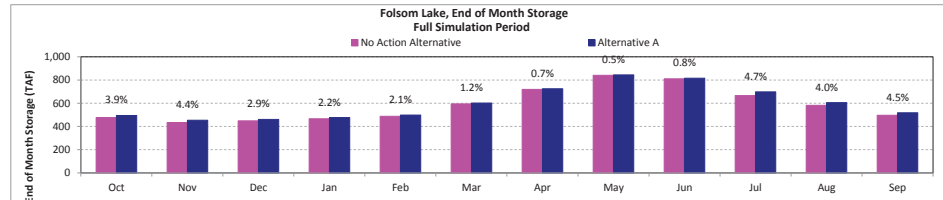


Figure SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

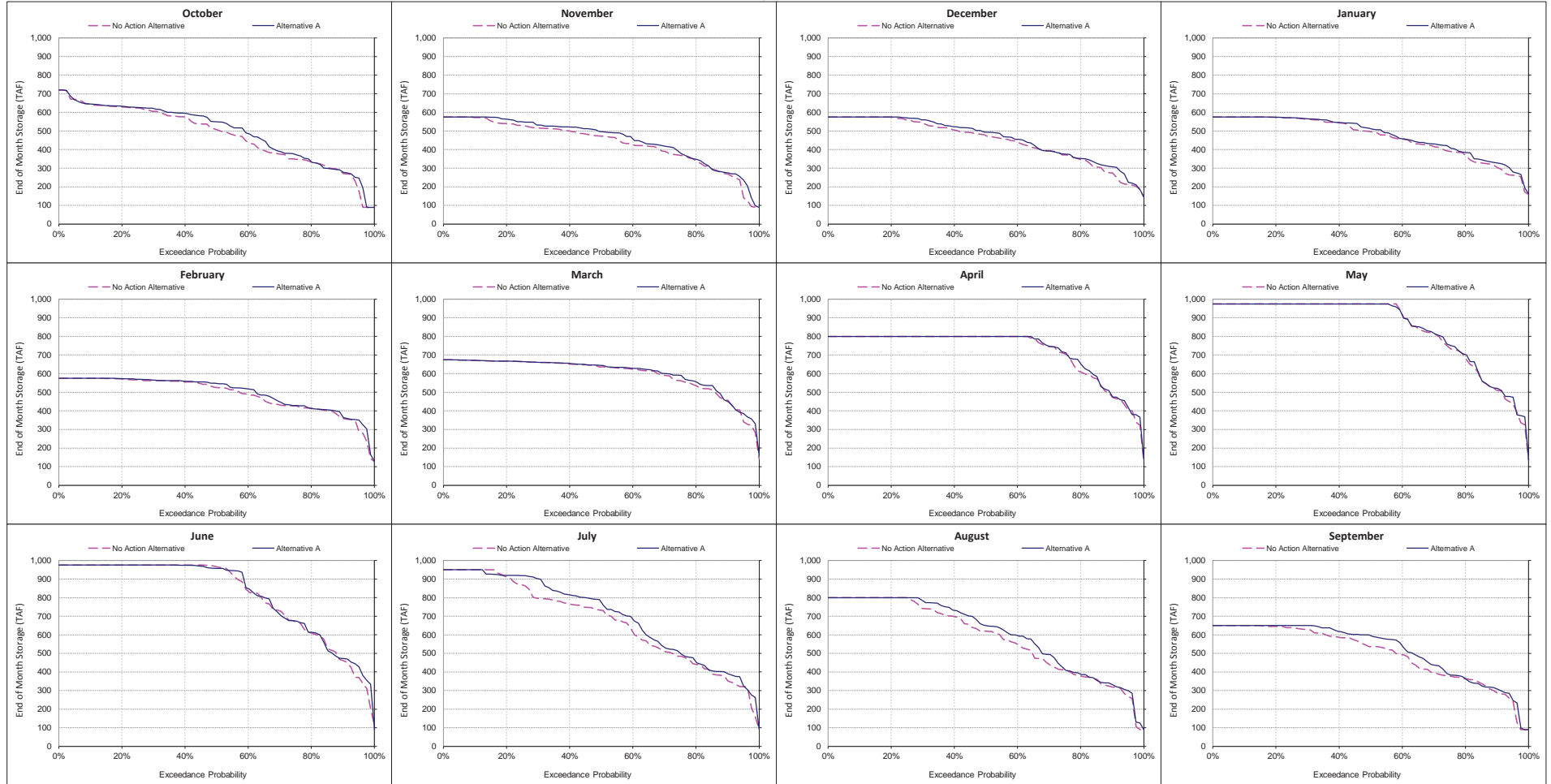


Table SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

October					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	720	720	0	0.0%	
1.2%	570	720	0	0.0%	
2.5%	718	718	0	0.0%	
3.7%	671	688	17	2.5%	
4.9%	670	668	-2	-0.2%	
6.2%	668	669	1	0.1%	
7.4%	659	651	-8	-1.2%	
8.6%	646	647	1	0.1%	
9.9%	645	644	-1	-0.1%	
11.1%	639	644	5	0.8%	
12.3%	638	642	4	0.6%	
13.6%	638	640	2	0.3%	
14.8%	638	636	-2	-0.3%	
16.0%	634	631	-3	-0.5%	
17.3%	633	635	2	0.4%	
18.5%	631	635	4	0.6%	
19.8%	630	634	4	0.6%	
21.0%	628	631	3	0.5%	
22.2%	626	629	3	0.4%	
23.5%	624	628	4	0.6%	
24.7%	624	626	2	0.3%	
25.9%	623	626	3	0.5%	
27.2%	615	625	10	1.6%	
28.4%	613	623	10	1.6%	
29.6%	605	622	17	2.8%	
30.9%	605	617	12	1.9%	
32.1%	599	616	17	2.8%	
33.3%	592	608	16	2.6%	
34.6%	581	600	19	3.2%	
35.8%	581	600	19	3.3%	
37.0%	579	597	19	3.2%	
38.3%	577	596	19	3.4%	
39.5%	576	596	20	3.4%	
40.7%	574	593	19	3.3%	
42.0%	551	588	37	6.7%	
43.2%	540	585	45	8.3%	
44.4%	539	582	43	7.9%	
45.7%	538	580	42	7.8%	
46.9%	537	574	37	6.9%	
48.1%	518	551	33	6.5%	
49.4%	510	550	39	7.7%	
50.6%	504	545	41	8.1%	
51.9%	496	548	52	10.5%	
53.1%	494	540	46	9.3%	
54.3%	485	526	41	8.5%	
55.6%	477	517	39	8.2%	
56.8%	473	516	43	9.1%	
58.0%	471	516	45	9.6%	
59.3%	446	489	43	9.6%	
60.5%	433	484	51	11.8%	
61.7%	430	470	39	9.2%	
63.0%	421	467	46	10.9%	
64.2%	400	455	55	13.8%	
65.4%	393	444	51	13.1%	
66.7%	384	415	31	8.0%	
67.9%	382	403	21	5.5%	
69.1%	378	394	16	4.2%	
70.4%	376	388	12	3.3%	
71.6%	372	380	7	2.0%	
72.8%	350	379	29	8.3%	
74.1%	350	379	29	8.2%	
75.3%	348	372	24	6.8%	
76.5%	347	366	19	5.4%	
77.8%	345	354	9	2.6%	
79.0%	339	350	11	3.2%	
80.2%	331	330	-1	-0.3%	
81.5%	328	329	0	0.1%	
82.7%	323	321	-2	-0.6%	
84.0%	315	300	-15	-4.7%	
85.2%	303	299	-4	-1.4%	
86.4%	298	296	-2	-0.8%	
87.7%	297	294	-4	-1.2%	
88.9%	288	291	3	1.2%	
90.1%	270	277	7	2.6%	
91.4%	269	275	6	2.1%	
92.6%	267	270	3	1.2%	
93.8%	232	252	20	8.5%	
95.1%	177	248	71	40.1%	
96.3%	90	195	105	116.9%	
97.5%	90	90	0	0.0%	
98.8%	90	90	0	0.0%	
100.0%	90	90	0	0.0%	

November					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	575	575	0	0.0%	
1.2%	575	575	0	0.0%	
2.5%	575	575	0	0.0%	
3.7%	575	575	0	0.0%	
4.9%	575	575	0	0.0%	
6.2%	575	575	0	0.0%	
7.4%	575	575	0	0.0%	
8.6%	575	575	0	0.0%	
9.9%	575	575	0	0.0%	
11.1%	572	575	3	0.5%	
12.3%	571	575	4	0.7%	
13.6%	570	575	5	0.9%	
14.8%	566	574	8	1.4%	
16.0%	547	574	27	4.9%	
17.3%	543	572	29	5.3%	
18.5%	541	566	25	4.6%	
19.8%	540	564	24	4.4%	
21.0%	539	561	22	4.1%	
22.2%	537	559	22	4.0%	
23.5%	531	551	20	3.7%	
24.7%	530	550	20	3.8%	
25.9%	528	547	19	3.6%	
27.2%	522	547	25	4.8%	
28.4%	517	547	29	5.6%	
29.6%	517	532	16	3.0%	
30.9%	516	531	15	2.9%	
32.1%	513	527	13	2.6%	
33.3%	513	526	13	2.4%	
34.6%	512	526	14	2.7%	
35.8%	511	525	14	2.7%	
37.0%	509	522	14	2.7%	
38.3%	502	522	20	4.0%	
39.5%	501	522	20	4.1%	
40.7%	497	521	24	4.8%	
42.0%	495	521	26	5.3%	
43.2%	487	516	29	6.0%	
44.4%	486	513	27	5.6%	
45.7%	481	513	32	6.6%	
46.9%	478	509	32	6.7%	
48.1%	474	507	32	6.8%	
49.4%	473	497	24	5.1%	
50.6%	472	495	23	5.0%	
51.9%	468	493	25	5.3%	
53.1%	466	491	25	5.3%	
54.3%	465	490	24	5.2%	
55.6%	448	490	42	9.3%	
56.8%	436	483	47	10.8%	
58.0%	433	471	38	8.7%	
59.3%	433	470	38	8.7%	
60.5%	424	448	24	5.8%	
61.7%	422	448	25	6.0%	
63.0%	421	441	19	4.6%	
64.2%	419	432	12	3.0%	
65.4%	417	429	12	2.9%	
66.7%	416	428	12	3.0%	
67.9%	407	425	18	4.5%	
69.1%	393	422	29	7.4%	
70.4%	390	417	27	6.9%	
71.6%	377	415	37	9.9%	
72.8%	373	410	36	9.8%	
74.1%	372	396	24	6.4%	
75.3%	371	379	10	2.6%	
76.5%	366	369	3	0.9%	
77.8%	354	361	7	1.9%	
79.0%	351	350	-1	-0.3%	
80.2%	336	348	12	3.7%	
81.5%	326	339	13	4.1%	
82.7%	312	324	13	4.1%	
84.0%	311	312	1	0.3%	
85.2%	294	291	-3	-1.0%	
86.4%	290	285	-4	-1.5%	
87.7%	278	282	4	1.4%	
88.9%	272	278	6	2.4%	
90.1%	268	274	6	2.5%	
91.4%	256	270	13	5.2%	
92.6%	247	263	16	6.5%	
93.8%	237	256	19	8.0%	
95.1%	141	237	96	67.8%	
96.3%	124	206	82	66.5%	
97.5%	94	141	47	50.4%	
98.8%	90	136	46	51.1%	
100.0%	90	90	0	0.0%	

December					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	575	575	0	0.0%	
1.2%	575	575	0	0.0%	
2.5%	575	575	0	0.0%	
3.7%	575	575	0	0.0%	
4.9%	575	575	0	0.0%	
6.2%	575	575	0	0.0%	
7.4%	575	575	0	0.0%	
8.6%	575	575	0	0.0%	
9.9%	575	575	0	0.0%	
11.1%	575	575	0	0.0%	
12.3%	575	575	0	0.0%	
13.6%	575	575	0	0.0%	
14.8%	575	575	0	0.0%	
16.0%	575	575	0	0.0%	
17.3%	575	575	0	0.0%	
18.5%	575	575	0	0.0%	
19.8%	575	575	0	0.0%	
21.0%	572	575	3	0.5%	
22.2%	567	575	8	1.4%	
23.5%	567	572	5	0.9%	
24.7%	560	571	10	1.8%	
25.9%	558	568	10	1.8%	
27.2%	551	568	18	3.2%	
28.4%	549	567	18	3.3%	
29.6%	548	560	12	2.3%	
30.9%	536	560	24	4.4%	
32.1%	528	554	27	5.0%	
33.3%	527	549	22	4.2%	
34.6%	520	539	19	3.7%	
35.8%	518	538	20	3.9%	
37.0%	518	529	11	2.1%	
38.3%	515	528	13	2.4%	
39.5%	507	524	17	3.4%	
40.7%	502	522	20	4.0%	
42.0%	495	518	23	4.7%	
43.2%	483	518	35	7.3%	
44.4%	493	517	24	4.8%	
45.7%	490	514	24	4.9%	
46.9%	485	503	18	3.7%	
48.1%	483	502	19	4.0%	
49.4%	481	495	14	2.9%	
50.6%	470	493	23	4.9%	
51.9%	469	492	23	4.9%	
53.1%	464	490	26	5.7%	
54.3%	462	487	25	5.4%	
55.6%	457	469	12	2.7%	
56.8%	455	468	13	2.8%	
58.0%	448	466	18	4.1%	
59.3%	446	455	9	2.1%	
60.5%	436	455	19	4.5%	
61.7%	427	451	24	5.7%	
63.0%	421	439	18	4.2%	
64.2%	414	435	22	5.2%	
65.4%	409	429	12	2.9%	
66.7%	404	403	-2	-0.4%	
67.9%	398	395	-3	-0.8%	
69.1%	395	393	-2	-0.5%	
70.4%	394	392	-2	-0.5%	
71.6%	389	388	-1	-0.3%	
72.8%	388	383	-5	-1.3%	
74.1%	372	377	5	1.4%	
75.3%	371	374	4	1.1%	
76.5%	367	373	7	1.8%	
77.8%	358	358	0	0.0%	
79.0%	352	354	1	0.4%	
80.2%	345	352	7	2.0%	
81.5%	343	350	7	2.0%	
82.7%	329	345	17	5.1%	
84.0%	308	335	27	8.6%	
85.2%	305	326	21	6.9%	
86.4%	302	318	16	5.3%	
87.7%	277	313	36	13.1%	
88.9%	277	309	33	11.9%	
90.1%	273	307	34	12.6%	
91.4%	250	305	55	22.2%	
92.6%	224	283	60	26.8%	
93.8%	215	270	55	25.7%	
95.1%	213	225	12	5.6%	
96.3%	210	219	9	4.4%	
97.5%	203	210	7	3.6%	
98.8%	186	186	0	0.0%	

Table SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	574	575	1	0.2%
16.0%	574	575	1	0.2%
17.3%	574	575	1	0.2%
18.5%	572	574	2	0.3%
19.8%	572	574	2	0.3%
21.0%	570	573	3	0.5%
22.2%	568	572	4	0.7%
23.5%	566	572	6	1.1%
24.7%	566	570	4	0.7%
25.9%	566	570	4	0.7%
27.2%	563	568	5	0.9%
28.4%	563	568	5	0.8%
29.6%	563	566	3	0.5%
30.9%	563	566	3	0.5%
32.1%	562	563	1	0.2%
33.3%	562	563	1	0.2%
34.6%	560	563	3	0.5%
35.8%	559	563	4	0.7%
37.0%	559	562	3	0.5%
38.3%	559	562	3	0.5%
39.5%	556	560	4	0.7%
40.7%	556	559	3	0.5%
42.0%	555	559	4	0.7%
43.2%	554	556	2	0.4%
44.4%	548	556	8	1.5%
45.7%	544	555	11	2.1%
46.9%	543	554	11	2.0%
48.1%	533	548	16	2.9%
49.4%	526	549	22	4.2%
50.6%	525	546	21	4.1%
51.9%	524	546	22	4.2%
53.1%	522	543	21	4.0%
54.3%	514	526	12	2.4%
55.6%	513	524	11	2.1%
56.8%	504	523	19	3.8%
58.0%	493	522	29	5.9%
59.3%	491	519	29	5.8%
60.5%	484	516	32	6.7%
61.7%	484	513	29	6.0%
63.0%	478	490	12	2.4%
64.2%	471	484	13	2.8%
65.4%	451	484	33	7.4%
66.7%	443	478	35	8.0%
67.9%	437	468	31	7.1%
69.1%	435	455	20	4.7%
70.4%	430	445	16	3.7%
71.6%	429	434	5	1.1%
72.8%	429	433	4	1.0%
74.1%	427	429	2	0.5%
75.3%	427	429	2	0.5%
76.5%	417	428	11	2.5%
77.8%	416	427	11	2.6%
79.0%	416	416	0	0.0%
80.2%	413	412	-1	-0.1%
81.5%	412	411	-1	-0.3%
82.7%	408	408	0	0.0%
84.0%	404	407	3	0.7%
85.2%	400	406	6	1.5%
86.4%	400	404	4	1.1%
87.7%	386	400	13	3.5%
88.9%	370	397	27	7.4%
90.1%	359	364	5	1.5%
91.4%	355	359	4	1.2%
92.6%	353	354	1	0.4%
93.8%	350	353	3	0.9%
95.1%	289	350	61	21.1%
96.3%	281	326	45	15.9%
97.5%	236	302	66	28.0%
98.8%	144	165	21	14.6%
100.0%	127	129	2	1.6%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	675	675	0	0.0%
1.2%	675	675	0	0.0%
2.5%	675	675	0	0.0%
3.7%	675	675	0	0.0%
4.9%	673	673	0	0.0%
6.2%	673	673	0	0.0%
7.4%	673	673	0	0.0%
8.6%	672	672	0	0.0%
9.9%	672	672	0	0.0%
11.1%	670	672	2	0.3%
12.3%	669	670	1	0.1%
13.6%	669	669	0	0.0%
14.8%	668	669	1	0.1%
16.0%	668	668	0	0.0%
17.3%	667	668	1	0.1%
18.5%	667	667	0	0.0%
19.8%	667	667	0	0.0%
21.0%	667	667	0	0.0%
22.2%	667	667	0	0.0%
23.5%	666	666	0	0.0%
24.7%	664	664	0	0.0%
25.9%	664	664	0	0.0%
27.2%	662	663	1	0.1%
28.4%	662	662	0	0.0%
29.6%	661	662	1	0.2%
30.9%	660	661	1	0.1%
32.1%	660	661	1	0.1%
33.3%	659	660	1	0.2%
34.6%	658	659	1	0.2%
35.8%	657	658	1	0.2%
37.0%	656	657	1	0.2%
38.3%	656	656	0	0.0%
39.5%	653	656	3	0.5%
40.7%	650	653	3	0.5%
42.0%	650	651	2	0.2%
43.2%	647	651	4	0.6%
44.4%	647	650	3	0.5%
45.7%	647	647	0	0.0%
46.9%	646	647	1	0.2%
48.1%	645	646	1	0.2%
49.4%	643	645	2	0.3%
50.6%	636	643	7	1.1%
51.9%	634	637	3	0.5%
53.1%	634	635	1	0.2%
54.3%	633	634	2	0.3%
55.6%	629	634	5	0.8%
56.8%	628	634	6	1.0%
58.0%	628	632	4	0.7%
59.3%	625	629	4	0.6%
60.5%	622	628	6	1.0%
61.7%	621	628	7	1.1%
63.0%	617	625	8	1.3%
64.2%	615	622	7	1.1%
65.4%	615	621	6	1.0%
66.7%	612	615	3	0.5%
67.9%	600	615	15	2.5%
69.1%	592	602	10	1.7%
70.4%	590	600	10	1.7%
71.6%	588	599	10	1.8%
72.8%	566	592	26	4.6%
74.1%	564	592	28	5.0%
75.3%	561	590	29	5.2%
76.5%	554	570	16	2.8%
77.8%	551	564	13	2.3%
79.0%	542	561	19	3.6%
80.2%	533	554	21	3.9%
81.5%	520	541	21	4.1%
82.7%	520	538	19	3.6%
84.0%	519	536	17	3.3%
85.2%	512	536	23	4.6%
86.4%	492	509	17	3.4%
87.7%	492	492	22	4.7%
88.9%	464	460	-4	-0.9%
90.1%	456	449	-6	-1.4%
91.4%	428	432	4	0.9%
92.6%	406	406	0	0.0%
93.8%	405	392	-13	-3.3%
95.1%	341	385	44	12.9%
96.3%	328	367	39	11.9%
97.5%	322	357	35	10.9%
98.8%	282	330	48	17.2%
100.0%	141	162	21	14.9%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	792	800	8	1.1%
65.4%	785	800	15	1.9%
66.7%	766	785	20	2.6%
67.9%	757	765	8	1.0%
69.1%	747	753	7	0.9%
70.4%	745	746	1	0.1%
71.6%	744	744	0	0.0%
72.8%	718	739	21	2.9%
74.1%	712	717	5	0.8%
75.3%	705	712	7	1.0%
76.5%	684	683	-1	-0.1%
77.8%	645	679	34	5.2%
79.0%	615	677	61	9.9%
80.2%	607	647	40	6.6%
81.5%	597	625	28	4.6%
82.7%	596	615	19	3.2%
84.0%	578	596	18	3.1%
85.2%	572	584	12	2.0%
86.4%	536	531	-4	-0.8%
87.7%	506	517	11	2.2%
88.9%	497	509	13	2.6%
90.1%	472	475	3	0.7%
91.4%	464	473	9	1.9%
92.6%	460	460	0	0.0%
93.8%	434	455	22	5.1%
95.1%	403	418	16	3.9%
96.3%	400	380	-19	-4.9%
97.5%	339	380	41	12.1%
98.8%	322	365	43	13.4%
100.0%	128	140	12	9.3%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975			

Table SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	-0.1%
42.0%	975	974	-1	-0.1%
43.2%	975	973	-2	-0.2%
44.4%	975	970	-5	-0.5%
45.7%	975	969	-6	-0.6%
46.9%	974	962	-12	-1.3%
48.1%	973	959	-15	-1.5%
49.4%	969	959	-10	-1.1%
50.6%	964	958	-6	-0.6%
51.9%	960	957	-3	-0.3%
53.1%	957	947	-10	-1.1%
54.3%	937	947	9	1.0%
55.6%	914	944	30	3.3%
56.8%	895	943	48	5.3%
58.0%	885	937	52	5.9%
59.3%	845	854	9	1.1%
60.5%	828	845	17	2.0%
61.7%	827	825	-2	-0.2%
63.0%	823	809	-14	-1.7%
64.2%	798	807	9	1.1%
65.4%	771	798	27	3.5%
66.7%	766	793	27	3.6%
67.9%	735	742	7	0.9%
69.1%	733	725	-9	-1.2%
70.4%	726	703	-23	-3.2%
71.6%	703	689	-14	-1.9%
72.8%	679	677	-2	-0.2%
74.1%	676	677	1	0.2%
75.3%	667	673	6	0.9%
76.5%	661	666	5	0.7%
77.8%	628	661	33	5.2%
79.0%	614	614	0	-0.1%
80.2%	608	613	5	0.9%
81.5%	600	609	9	1.5%
82.7%	595	600	5	0.8%
84.0%	576	559	-18	-3.1%
85.2%	524	514	-10	-1.9%
86.4%	517	504	-14	-2.6%
87.7%	507	486	-21	-4.2%
88.9%	468	474	6	1.3%
90.1%	461	472	11	2.4%
91.4%	451	470	19	4.3%
92.6%	423	423	0	0.0%
93.8%	371	445	73	19.8%
95.1%	370	428	58	15.7%
96.3%	338	382	44	12.9%
97.5%	311	355	44	14.2%
98.8%	201	334	133	66.1%
100.0%	113	90	-23	-20.1%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	950	950	0	0.0%
1.2%	950	950	0	0.0%
2.5%	950	950	0	0.0%
3.7%	950	950	0	0.0%
4.9%	950	950	0	0.0%
6.2%	950	950	0	0.0%
7.4%	950	950	0	0.0%
8.6%	950	950	0	0.0%
9.9%	950	950	0	0.0%
11.1%	950	950	0	0.0%
12.3%	950	950	0	0.0%
13.6%	950	927	-23	-2.5%
14.8%	950	926	-24	-2.5%
16.0%	950	925	-25	-2.7%
17.3%	933	924	-8	-0.9%
18.5%	924	919	-5	-0.5%
19.8%	913	919	7	0.7%
21.0%	908	919	11	1.3%
22.2%	886	919	34	3.8%
23.5%	874	919	45	5.2%
24.7%	871	918	48	5.5%
25.9%	864	918	54	6.3%
27.2%	845	914	69	8.2%
28.4%	802	911	109	13.5%
29.6%	797	903	106	13.3%
30.9%	795	898	104	13.1%
32.1%	794	862	68	8.5%
33.3%	792	854	62	7.8%
34.6%	788	839	51	6.5%
35.8%	782	836	54	6.9%
37.0%	780	829	49	6.3%
38.3%	771	819	48	6.2%
39.5%	769	817	47	6.2%
40.7%	763	811	48	6.3%
42.0%	760	810	49	6.5%
43.2%	759	802	43	5.6%
44.4%	748	701	-47	-6.3%
45.7%	747	798	51	6.8%
46.9%	746	793	47	6.3%
48.1%	737	792	55	7.4%
49.4%	733	790	57	7.8%
50.6%	731	758	27	3.7%
51.9%	703	737	34	4.9%
53.1%	700	737	37	5.3%
54.3%	679	726	47	7.0%
55.6%	679	723	44	6.5%
56.8%	669	708	39	5.9%
58.0%	663	702	39	5.9%
59.3%	636	700	64	10.1%
60.5%	600	674	74	12.4%
61.7%	598	663	65	10.7%
63.0%	571	625	54	9.5%
64.2%	568	600	32	5.7%
65.4%	542	586	44	8.1%
66.7%	539	574	35	6.5%
67.9%	532	565	33	6.2%
69.1%	519	542	23	4.5%
70.4%	509	528	19	3.7%
71.6%	505	523	18	3.6%
72.8%	497	521	24	4.8%
74.1%	495	515	20	4.1%
75.3%	494	496	12	2.5%
76.5%	476	483	7	1.4%
77.8%	466	480	14	2.9%
79.0%	444	476	33	7.3%
80.2%	440	449	9	2.1%
81.5%	438	442	5	1.0%
82.7%	417	435	18	4.3%
84.0%	415	411	-4	-1.0%
85.2%	389	406	17	4.4%
86.4%	384	403	19	5.0%
87.7%	383	402	19	5.1%
88.9%	379	401	22	5.9%
90.1%	351	390	39	11.1%
91.4%	344	383	39	11.4%
92.6%	332	376	43	13.0%
93.8%	321	374	53	16.6%
95.1%	321	324	3	0.9%
96.3%	318	305	-13	-4.1%
97.5%	209	277	69	33.0%
98.8%	159	263	104	65.6%
100.0%	90	90	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	791	800	9	1.1%
27.2%	781	800	19	2.5%
28.4%	765	800	35	4.5%
29.6%	742	786	45	6.1%
30.9%	741	774	33	4.4%
32.1%	739	773	34	4.5%
33.3%	738	771	34	4.5%
34.6%	719	771	51	7.1%
35.8%	714	758	44	6.2%
37.0%	706	751	45	6.3%
38.3%	701	748	47	6.7%
39.5%	700	732	33	4.7%
40.7%	696	730	33	4.8%
42.0%	688	719	31	4.5%
43.2%	682	709	28	4.1%
44.4%	657	701	44	6.8%
45.7%	640	698	59	9.2%
46.9%	634	682	48	7.6%
48.1%	620	669	39	6.3%
49.4%	620	651	31	5.1%
50.6%	618	647	29	4.6%
51.9%	618	646	28	4.5%
53.1%	608	645	37	6.2%
54.3%	603	637	34	5.7%
55.6%	574	625	51	8.9%
56.8%	573	610	37	6.5%
58.0%	562	600	38	6.8%
59.3%	556	600	44	7.9%
60.5%	543	592	50	9.2%
61.7%	528	592	65	12.2%
63.0%	523	579	56	10.7%
64.2%	517	577	60	11.5%
65.4%	474	553	79	16.6%
66.7%	472	532	60	12.6%
67.9%	472	498	27	5.7%
69.1%	452	495	43	9.5%
70.4%	436	494	58	13.2%
71.6%	426	477	51	12.0%
72.8%	415	448	33	7.9%
74.1%	412	428	16	3.9%
75.3%	409	408	-1	-0.3%
76.5%	401	405	4	1.0%
77.8%	387	398	11	2.8%
79.0%	381	396	15	4.0%
80.2%	378	386	9	2.3%
81.5%	374	385	12	3.2%
82.7%	371	373	1	0.3%
84.0%	365	369	4	1.2%
85.2%	361	353	-8	-2.1%
86.4%	336	345	9	2.7%
87.7%	330	341	12	3.5%
88.9%	324	341	17	5.4%
90.1%	319	331	12	3.7%
91.4%	318	320	2	0.6%
92.6%	312	316	4	1.2%
93.8%	283	306	23	8.1%
95.1%	269	300	31	11.5%
96.3%	257	285	28	11.0%
97.5%	106	130	24	22.7%
98.8%	90	127	37	40.7%
100.0%	90	90	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	650	650	0	0.0%
1.2%	650	650	0	0.0%
2.5%	650	650	0	0.0%
3.7%	650	650	0	0.0%
4.9%	650	650	0	0.0%
6.2%	650	650	0	0.0%
7.4%	650	650	0	0.0%
8.6%	650	650	0	0.0%
9.9%	650	650	0	0.0%
11.1%	650	650	0	0.0%
12.3%	650	650	0	0.0%
13.6%	650	650	0	0.0%
14.8%	650	650	0	0.1%
16.0%	648	650	2	0.3%
17.3%	646	650	4	0.6%
18.5%	645	650	5	0.8%
19.8%	645	650	5	0.8%
21.0%	644	650	6	0.9%
22.2%	644	65		

Table SW-25-3a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	410	404	407	410	413	426	439	451	448	432	422	412
Alternative A	412	407	409	411	414	427	440	452	449	436	425	415
Difference	3	3	2	2	1	1	1	0	1	4	3	3
Percent Difference ³	0.7%	0.7%	0.5%	0.4%	0.3%	0.2%	0.2%	0.1%	0.2%	0.9%	0.7%	0.7%
Water Year Types²												
Wet (32%)												
No Action Alternative	426	416	416	417	416	432	448	465	464	455	445	427
Alternative A	428	417	417	417	416	432	448	465	464	457	446	430
Difference	2	2	1	0	0	0	0	0	0	2	1	3
Percent Difference	0.4%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.2%	0.7%
Above Normal (15%)												
No Action Alternative	418	412	414	417	419	433	448	465	462	443	434	422
Alternative A	422	415	416	418	420	433	448	465	463	446	437	426
Difference	3	3	2	1	0	0	0	0	0	4	3	3
Percent Difference	0.7%	0.8%	0.5%	0.2%	0.1%	0.0%	0.0%	0.0%	0.1%	0.8%	0.6%	0.8%
Below Normal (17%)												
No Action Alternative	422	416	415	415	420	432	448	461	459	436	428	423
Alternative A	424	417	416	415	421	433	448	461	459	444	434	426
Difference	2	1	1	1	1	1	0	0	0	7	6	3
Percent Difference	0.5%	0.3%	0.2%	0.1%	0.2%	0.2%	0.0%	-0.1%	-0.1%	1.7%	1.4%	0.7%
Dry (22%)												
No Action Alternative	400	401	403	406	414	428	439	446	439	419	408	404
Alternative A	404	405	406	408	416	429	440	447	440	423	413	408
Difference	4	4	3	2	2	1	2	1	1	3	5	4
Percent Difference	1.1%	1.1%	0.7%	0.6%	0.5%	0.3%	0.4%	0.3%	0.3%	0.8%	1.1%	1.0%
Critical (15%)												
No Action Alternative	365	365	379	388	390	400	403	405	398	387	377	370
Alternative A	368	370	383	393	394	404	406	407	402	391	379	372
Difference	3	5	3	5	5	4	3	2	4	4	2	2
Percent Difference	0.9%	1.4%	0.9%	1.4%	1.3%	1.0%	0.6%	0.5%	1.0%	1.1%	0.5%	0.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

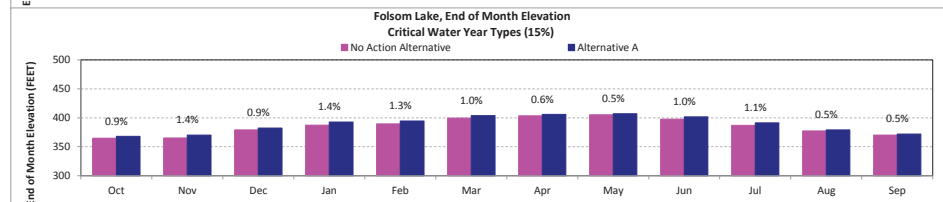
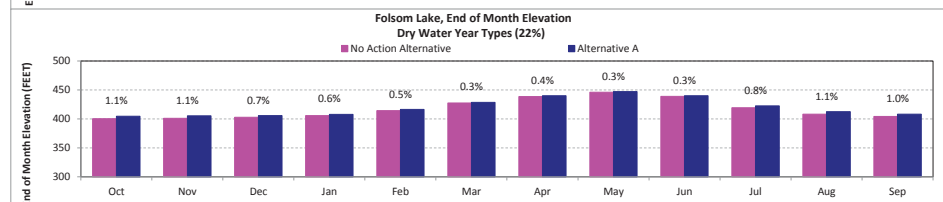
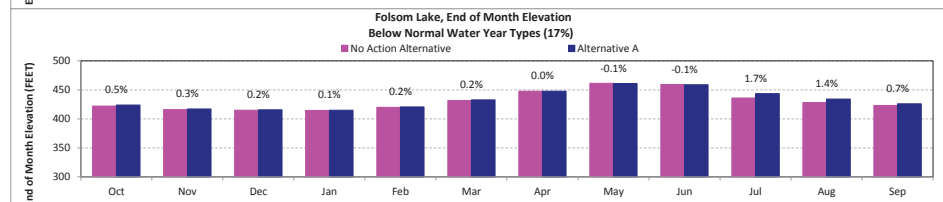
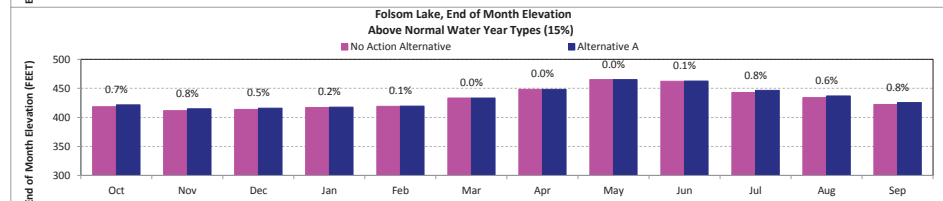
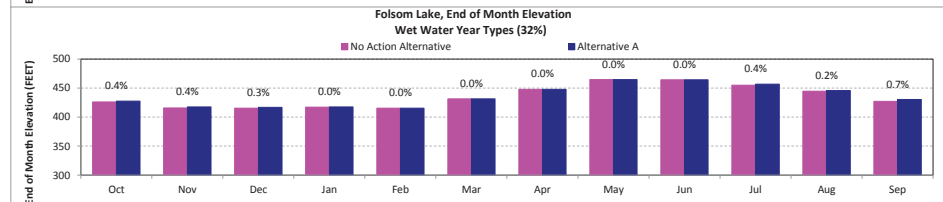
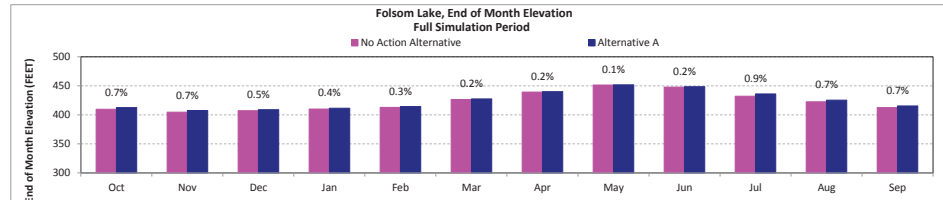


Figure SW-25-3b
Folsom Lake, End of Month Elevation
Probability of Exceedance

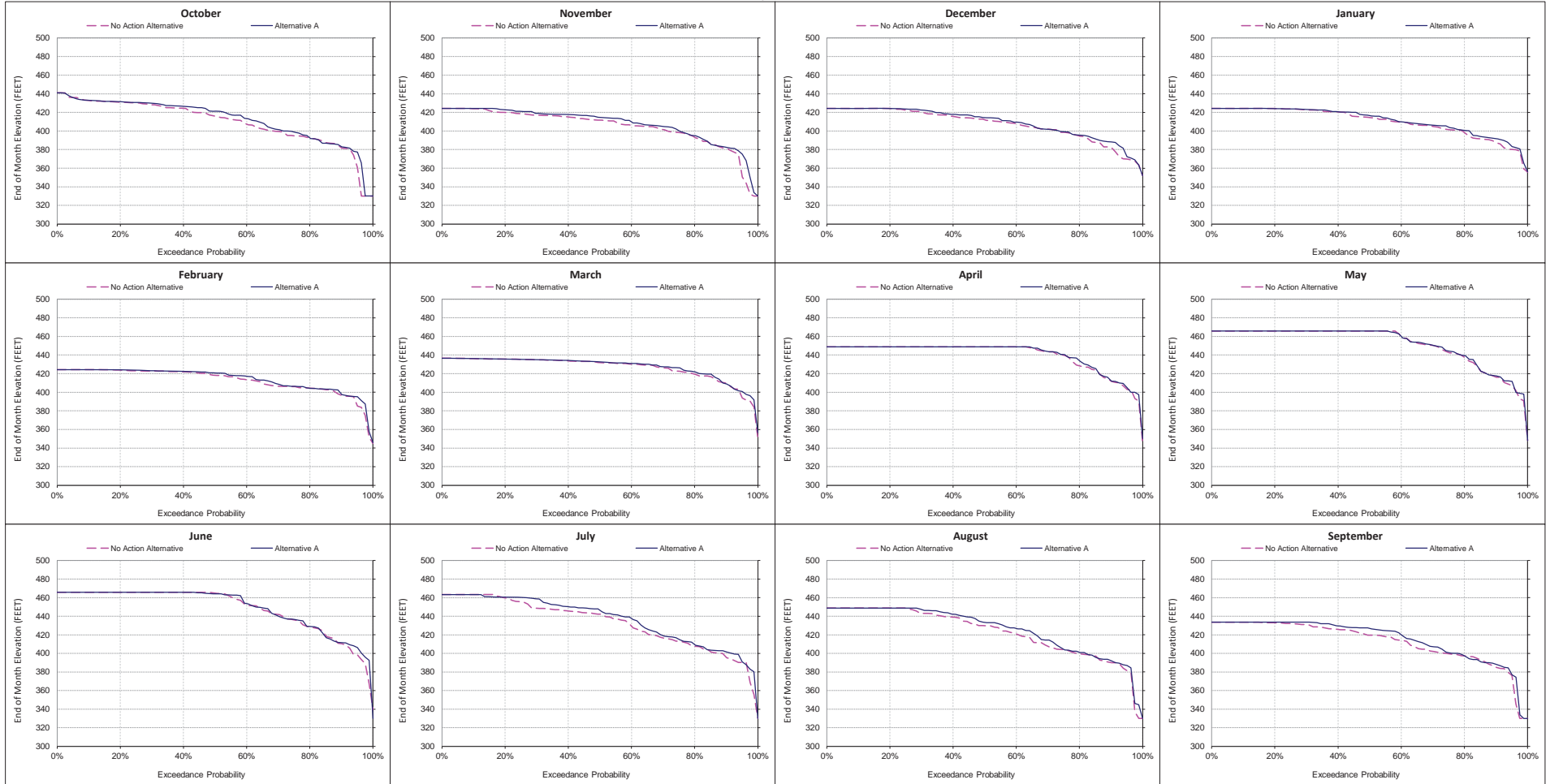


Table SW-25-3b
Folsom Lake, End of Month Elevation
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	441	441	0	0.0%
1.2%	441	441	0	0.0%
2.5%	441	441	0	0.0%
3.7%	436	438	2	0.4%
4.9%	436	436	0	0.0%
6.2%	436	435	-1	-0.3%
7.4%	435	434	-1	-0.2%
8.6%	433	433	0	0.0%
9.9%	433	433	0	0.0%
11.1%	432	433	1	0.1%
12.3%	432	433	0	0.1%
13.6%	432	432	0	0.0%
14.8%	432	432	0	0.0%
16.0%	432	432	0	0.0%
17.3%	431	432	0	0.1%
18.5%	431	432	0	0.1%
19.8%	431	432	1	0.1%
21.0%	431	431	0	0.1%
22.2%	431	431	0	0.1%
23.5%	430	431	0	0.1%
24.7%	430	431	0	0.1%
25.9%	430	431	0	0.1%
27.2%	429	430	1	0.3%
28.4%	429	430	1	0.3%
29.6%	428	430	2	0.5%
30.9%	428	429	1	0.2%
32.1%	427	429	2	0.5%
33.3%	426	428	2	0.5%
34.6%	425	427	2	0.5%
35.8%	425	427	2	0.6%
37.0%	425	427	2	0.6%
38.3%	425	427	2	0.6%
39.5%	424	427	2	0.6%
40.7%	424	427	2	0.6%
42.0%	421	426	5	1.1%
43.2%	420	426	6	1.3%
44.4%	420	425	5	1.3%
45.7%	420	425	5	1.2%
46.9%	420	424	5	1.1%
48.1%	417	421	4	1.0%
49.4%	416	421	5	1.2%
50.6%	416	414	2	0.5%
51.9%	415	421	6	1.5%
53.1%	414	420	6	1.4%
54.3%	413	418	5	1.2%
55.6%	412	417	5	1.2%
56.8%	412	417	5	1.3%
58.0%	411	417	6	1.4%
59.3%	408	414	6	1.3%
60.5%	407	413	6	1.6%
61.7%	406	411	5	1.2%
63.0%	404	411	7	1.7%
64.2%	403	410	7	1.7%
65.4%	402	408	6	1.6%
66.7%	401	405	4	1.0%
67.9%	400	403	3	0.7%
69.1%	400	402	2	0.6%
70.4%	399	401	2	0.5%
71.6%	399	400	1	0.3%
72.8%	395	400	5	1.2%
74.1%	395	400	5	1.2%
75.3%	395	399	4	1.0%
76.5%	395	398	3	0.8%
77.8%	394	396	2	0.5%
79.0%	393	395	2	0.5%
80.2%	392	392	0	0.0%
81.5%	392	392	0	0.0%
82.7%	391	390	0	-0.1%
84.0%	389	387	-2	-0.6%
85.2%	388	387	-1	-0.2%
86.4%	387	386	0	0.0%
87.7%	387	386	-1	-0.2%
88.9%	385	386	1	0.1%
90.1%	382	383	1	0.3%
91.4%	381	382	1	0.3%
92.6%	381	382	1	0.2%
93.8%	374	378	4	1.1%
95.1%	361	377	17	4.6%
96.3%	330	366	36	10.8%
97.5%	330	330	0	0.0%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.1%
11.1%	424	424	0	0.1%
12.3%	424	424	0	0.1%
13.6%	424	424	0	0.2%
14.8%	422	424	2	0.5%
16.0%	421	424	3	0.8%
17.3%	420	424	4	0.8%
18.5%	420	423	3	0.7%
19.8%	420	423	3	0.7%
21.0%	420	423	3	0.6%
22.2%	420	422	2	0.6%
23.5%	419	421	2	0.6%
24.7%	419	421	2	0.6%
25.9%	419	421	2	0.6%
27.2%	418	421	3	0.7%
28.4%	417	421	4	0.9%
29.6%	417	419	2	0.5%
30.9%	417	419	2	0.5%
32.1%	417	419	2	0.4%
33.3%	417	418	1	0.4%
34.6%	416	418	2	0.4%
35.8%	416	418	2	0.4%
37.0%	416	418	2	0.4%
38.3%	415	418	3	0.6%
39.5%	415	418	3	0.6%
40.7%	415	418	3	0.7%
42.0%	414	418	4	0.8%
43.2%	413	417	4	0.9%
44.4%	413	417	4	0.8%
45.7%	413	417	4	0.9%
46.9%	412	416	4	0.9%
48.1%	412	416	4	1.0%
49.4%	412	415	3	0.7%
50.6%	412	414	2	0.5%
51.9%	411	414	3	0.7%
53.1%	411	414	3	0.7%
54.3%	411	414	3	0.7%
55.6%	409	414	5	1.3%
56.8%	407	411	4	1.4%
58.0%	407	411	4	1.1%
59.3%	407	411	4	1.1%
60.5%	406	409	3	0.7%
61.7%	405	409	4	0.8%
63.0%	405	408	3	0.6%
64.2%	405	407	2	0.4%
65.4%	405	406	1	0.4%
66.7%	405	406	1	0.4%
67.9%	404	406	2	0.6%
69.1%	402	405	3	0.9%
70.4%	401	405	4	0.8%
71.6%	401	405	4	0.9%
72.8%	399	404	5	1.3%
74.1%	399	402	3	0.9%
75.3%	398	400	2	0.4%
76.5%	398	398	0	0.0%
77.8%	396	397	1	0.3%
79.0%	395	395	0	0.0%
80.2%	393	395	2	0.5%
81.5%	391	393	2	0.6%
82.7%	389	391	2	0.5%
84.0%	389	389	0	0.0%
85.2%	388	386	0	-0.1%
86.4%	385	384	-1	-0.2%
87.7%	383	384	1	0.2%
88.9%	382	383	1	0.3%
90.1%	381	382	1	0.3%
91.4%	379	382	3	0.7%
92.6%	377	381	4	1.1%
93.8%	375	382	7	1.9%
95.1%	350	375	25	7.0%
96.3%	344	368	24	7.1%
97.5%	332	350	18	5.5%
98.8%	330	334	4	1.1%
100.0%	330	330	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.1%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.1%
22.2%	423	424	1	0.2%
23.5%	423	424	1	0.1%
24.7%	423	424	1	0.3%
25.9%	422	423	1	0.3%
27.2%	421	423	2	0.5%
28.4%	421	423	2	0.5%
29.6%	421	422	1	0.4%
30.9%	419	422	3	0.7%
32.1%	418	422	4	0.8%
33.3%	418	421	3	0.6%
34.6%	417	422	5	0.9%
35.8%	417	420	3	0.6%
37.0%	417	419	2	0.5%
38.3%	417	418	1	0.4%
39.5%	416	418	2	0.5%
40.7%	415	418	3	0.6%
42.0%	414	417	3	0.7%
43.2%	414	417	3	0.7%
44.4%	414	417	3	0.7%
45.7%	414	417	3	0.7%
46.9%	413	415	2	0.5%
48.1%	413	415	2	0.6%
49.4%	413	414	1	0.4%
50.6%	411	414	3	0.7%
51.9%	411	414	3	0.7%
53.1%	411	414	3	0.8%
54.3%	410	414	4	0.8%
55.6%	410	411	1	0.4%
56.8%	410	411	1	0.4%
58.0%	409	411	2	0.5%
59.3%	408	410	2	0.6%
60.5%	407	410	3	0.6%
61.7%	406	409	3	0.7%
63.0%	405	408	3	0.6%
64.2%	404	407	3	0.7%
65.4%	404	405	1	0.4%
66.7%	403	403	0	0.0%
67.9%	402	402	0	0.0%
69.1%	402	402	0	-0.1%
70.4%	402	402	0	-0.1%
71.6%	401	401	0	0.4%
72.8%	401	401	-1	-0.2%
74.1%	399	399	0	0.2%
75.3%	399	399	0	0.2%
76.5%	398	399	1	0.3%
77.8%	396	396	0	0.2%
79.0%	395	396	1	0.1%
80.2%	394	395	1	0.3%
81.5%	394	395	1	0.3%
82.7%	392	394	2	0.7%
84.0%	388	393	5	1.1%
85.2%	388	391	3	0.9%
86.4%	387	390	3	0.7%
87.7%	383	389	6	1.6%
88.9%	383	389	6	1.5%
90.1%	382	388	6	1.6%
91.4%	378	388	10	2.7%
92.6%	377	384	7	3.2%
93.8%	370	382	11	3.1%
95.1%	370	372	2	0.7%
96.3%	369	371	2	0.6%
97.5%	367	369	2	0.4%
98.8%	363	363	0	0.0%
100.0%	352	352	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	424	424	0	0.0%
23.5%	424	424	0	0.0%
24.7%	424	424	0	0.0%
25.9%	424	424	0	0.0%

Table SW-25-3b
Folsom Lake, End of Month Elevation
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	424	424	0	0.0%	
1.2%	424	424	0	0.0%	
2.5%	424	424	0	0.0%	
3.7%	424	424	0	0.0%	
4.9%	424	424	0	0.0%	
6.2%	424	424	0	0.0%	
7.4%	424	424	0	0.0%	
8.6%	424	424	0	0.0%	
9.9%	424	424	0	0.0%	
11.1%	424	424	0	0.0%	
12.3%	424	424	0	0.0%	
13.6%	424	424	0	0.0%	
14.8%	424	424	0	0.0%	
16.0%	424	424	0	0.0%	
17.3%	424	424	0	0.0%	
18.5%	424	424	0	0.1%	
19.8%	424	424	0	0.1%	
21.0%	424	424	0	0.1%	
22.2%	423	424	1	0.1%	
23.5%	423	424	1	0.2%	
24.7%	423	424	0	0.1%	
25.9%	423	424	0	0.1%	
27.2%	423	423	1	0.1%	
28.4%	423	423	1	0.1%	
29.6%	423	423	0	0.1%	
30.9%	423	423	0	0.1%	
32.1%	423	423	0	0.0%	
33.3%	423	423	0	0.0%	
34.6%	422	423	0	0.1%	
35.8%	422	423	0	0.1%	
37.0%	422	423	0	0.1%	
38.3%	422	423	0	0.1%	
39.5%	422	422	0	0.1%	
40.7%	422	422	0	0.1%	
42.0%	422	422	0	0.1%	
43.2%	422	422	0	0.1%	
44.4%	421	422	1	0.2%	
45.7%	420	422	1	0.3%	
46.9%	420	422	1	0.3%	
48.1%	419	421	2	0.5%	
49.4%	419	421	3	0.6%	
50.6%	418	421	3	0.6%	
51.9%	418	421	3	0.6%	
53.1%	418	420	3	0.6%	
54.3%	417	418	2	0.4%	
55.6%	417	418	1	0.3%	
56.8%	416	418	2	0.6%	
58.0%	414	418	4	0.9%	
59.3%	414	417	4	0.9%	
60.5%	413	417	4	1.0%	
61.7%	413	417	4	0.9%	
63.0%	412	414	1	0.3%	
64.2%	411	413	2	0.4%	
65.4%	409	413	4	1.0%	
66.7%	408	412	4	1.1%	
67.9%	407	411	4	0.9%	
69.1%	407	410	3	0.6%	
70.4%	406	408	2	0.5%	
71.6%	406	407	1	0.1%	
72.8%	406	407	1	0.1%	
74.1%	406	406	0	0.1%	
75.3%	406	406	0	0.1%	
76.5%	405	406	1	0.3%	
77.8%	405	406	1	0.3%	
79.0%	405	405	0	0.0%	
80.2%	404	404	0	0.0%	
81.5%	404	404	0	0.0%	
82.7%	404	404	0	0.0%	
84.0%	403	404	0	0.1%	
85.2%	403	403	1	0.2%	
86.4%	403	403	1	0.1%	
87.7%	401	403	2	0.4%	
88.9%	398	402	4	1.0%	
90.1%	397	397	1	0.2%	
91.4%	396	397	1	0.2%	
92.6%	396	396	0	0.1%	
93.8%	395	396	0	0.1%	
95.1%	385	395	10	2.6%	
96.3%	384	391	7	1.9%	
97.5%	375	387	12	3.3%	
98.8%	351	357	6	1.7%	
100.0%	345	346	1	0.2%	

March					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	437	437	0	0.0%	
1.2%	437	437	0	0.0%	
2.5%	437	437	0	0.0%	
3.7%	437	437	0	0.0%	
4.9%	436	436	0	0.0%	
6.2%	436	436	0	0.0%	
7.4%	436	436	0	0.0%	
8.6%	436	436	0	0.0%	
9.9%	436	436	0	0.0%	
11.1%	436	436	0	0.1%	
12.3%	436	436	0	0.0%	
13.6%	436	436	0	0.0%	
14.8%	436	436	0	0.0%	
16.0%	436	436	0	0.0%	
17.3%	436	436	0	0.0%	
18.5%	436	436	0	0.0%	
19.8%	436	436	0	0.0%	
21.0%	436	436	0	0.0%	
22.2%	436	436	0	0.0%	
23.5%	436	436	0	0.0%	
24.7%	435	435	0	0.0%	
25.9%	435	435	0	0.0%	
27.2%	435	435	0	0.0%	
28.4%	435	435	0	0.0%	
29.6%	435	435	0	0.0%	
30.9%	435	435	0	0.0%	
32.1%	435	435	0	0.0%	
33.3%	435	435	0	0.0%	
34.6%	435	435	0	0.0%	
35.8%	434	435	0	0.0%	
37.0%	434	434	0	0.0%	
38.3%	434	434	0	0.0%	
39.5%	434	434	0	0.1%	
40.7%	434	434	0	0.1%	
42.0%	434	434	0	0.0%	
43.2%	433	434	0	0.1%	
44.4%	433	434	0	0.1%	
45.7%	433	433	0	0.0%	
46.9%	433	433	0	0.0%	
48.1%	433	433	0	0.0%	
49.4%	432	433	1	0.2%	
50.6%	432	433	1	0.2%	
51.9%	432	432	0	0.1%	
53.1%	432	432	0	0.0%	
54.3%	431	432	0	0.1%	
55.6%	431	432	1	0.1%	
56.8%	431	432	1	0.2%	
58.0%	431	431	1	0.1%	
59.3%	430	431	0	0.1%	
60.5%	430	431	1	0.2%	
61.7%	430	431	1	0.2%	
63.0%	429	430	1	0.2%	
64.2%	429	430	1	0.2%	
65.4%	429	430	1	0.2%	
66.7%	429	429	0	0.1%	
67.9%	427	429	2	0.4%	
69.1%	426	428	1	0.3%	
70.4%	426	427	1	0.3%	
71.6%	426	427	1	0.3%	
72.8%	423	426	3	0.8%	
74.1%	423	426	3	0.8%	
75.3%	423	426	4	0.9%	
76.5%	422	424	2	0.5%	
77.8%	421	423	2	0.4%	
79.0%	420	423	2	0.6%	
80.2%	419	422	3	0.6%	
81.5%	418	420	3	0.6%	
82.7%	417	420	2	0.5%	
84.0%	417	420	2	0.5%	
85.2%	417	419	3	0.7%	
86.4%	414	416	2	0.5%	
87.7%	411	414	3	0.7%	
88.9%	411	410	-1	-0.1%	
90.1%	410	409	-1	-0.2%	
91.4%	406	407	0	0.1%	
92.6%	403	403	0	0.0%	
93.8%	403	402	-2	-0.4%	
95.1%	394	401	7	1.8%	
96.3%	391	398	6	1.6%	
97.5%	391	396	6	1.5%	
98.8%	384	392	8	2.1%	
100.0%	350	357	6	1.7%	

April					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	449	449	0	0.0%	
1.2%	449	449	0	0.0%	
2.5%	449	449	0	0.0%	
3.7%	449	449	0	0.0%	
4.9%	449	449	0	0.0%	
6.2%	449	449	0	0.0%	
7.4%	449	449	0	0.0%	
8.6%	449	449	0	0.0%	
9.9%	449	449	0	0.0%	
11.1%	449	449	0	0.0%	
12.3%	449	449	0	0.0%	
13.6%	449	449	0	0.0%	
14.8%	449	449	0	0.0%	
16.0%	449	449	0	0.0%	
17.3%	449	449	0	0.0%	
18.5%	449	449	0	0.0%	
19.8%	449	449	0	0.0%	
21.0%	449	449	0	0.0%	
22.2%	449	449	0	0.0%	
23.5%	449	449	0	0.0%	
24.7%	449	449	0	0.0%	
25.9%	449	449	0	0.0%	
27.2%	449	449	0	0.0%	
28.4%	449	449	0	0.0%	
29.6%	449	449	0	0.0%	
30.9%	449	449	0	0.0%	
32.1%	449	449	0	0.0%	
33.3%	449	449	0	0.0%	
34.6%	449	449	0	0.0%	
35.8%	449	449	0	0.0%	
37.0%	449	449	0	0.0%	
38.3%	449	449	0	0.0%	
39.5%	449	449	0	0.0%	
40.7%	449	449	0	0.0%	
42.0%	449	449	0	0.0%	
43.2%	449	449	0	0.0%	
44.4%	449	449	0	0.0%	
45.7%	449	449	0	0.0%	
46.9%	449	449	0	0.0%	
48.1%	449	449	0	0.0%	
49.4%	449	449	0	0.0%	
50.6%	449	449	0	0.0%	
51.9%	449	449	0	0.0%	
53.1%	449	449	0	0.0%	
54.3%	449	449	0	0.0%	
55.6%	449	449	0	0.0%	
56.8%	449	449	0	0.0%	
58.0%	449	449	0	0.0%	
59.3%	449	449	0	0.0%	
60.5%	449	449	0	0.0%	
61.7%	449	449	0	0.0%	
63.0%	449	449	0	0.0%	
64.2%	448	449	1	0.2%	
65.4%	447	449	2	0.4%	
66.7%	446	447	2	0.4%	
67.9%	445	445	1	0.2%	
69.1%	444	444	0	0.1%	
70.4%	444	444	0	0.0%	
71.6%	443	443	0	0.0%	
72.8%	441	443	2	0.5%	
74.1%	440	441	1	0.1%	
75.3%	440	440	1	0.2%	
76.5%	438	437	0	0.0%	
77.8%	433	437	4	0.9%	
79.0%	429	437	8	1.8%	
80.2%	426	433	7	1.6%	
81.5%	427	430	3	0.8%	
82.7%	427	429	2	0.6%	
84.0%	425	427	2	0.5%	
85.2%	424	425	1	0.3%	
86.4%	419	419	-1	-0.1%	
87.7%	416	417	1	0.3%	
88.9%	415	416	2	0.4%	
90.1%	412	412	0	0.0%	
91.4%	411	412	1	0.3%	
92.6%	410	410	0	0.0%	
93.8%	407	410	3	0.7%	
95.1%	403	405	2	0.5%	
96.3%	403	400	-3	-0.7%	
97.5%	393	400	7	1.7%	
98.8%	391	398	7	1.8%	
100.0%	346	350	4	1.3%	

May					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation			

Table SW-25-3b
Folsom Lake, End of Month Elevation
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	466	466	0	0.0%	
1.2%	466	466	0	0.0%	
2.5%	466	466	0	0.0%	
3.7%	466	466	0	0.0%	
4.9%	466	466	0	0.0%	
6.2%	466	466	0	0.0%	
7.4%	466	466	0	0.0%	
8.6%	466	466	0	0.0%	
9.9%	466	466	0	0.0%	
11.1%	466	466	0	0.0%	
12.3%	466	466	0	0.0%	
13.6%	466	466	0	0.0%	
14.8%	466	466	0	0.0%	
16.0%	466	466	0	0.0%	
17.3%	466	466	0	0.0%	
18.5%	466	466	0	0.0%	
19.8%	466	466	0	0.0%	
21.0%	466	466	0	0.0%	
22.2%	466	466	0	0.0%	
23.5%	466	466	0	0.0%	
24.7%	466	466	0	0.0%	
25.9%	466	466	0	0.0%	
27.2%	466	466	0	0.0%	
28.4%	466	466	0	0.0%	
29.6%	466	466	0	0.0%	
30.9%	466	466	0	0.0%	
32.1%	466	466	0	0.0%	
33.3%	466	466	0	0.0%	
34.6%	466	466	0	0.0%	
35.8%	466	466	0	0.0%	
37.0%	466	466	0	0.0%	
38.3%	466	466	0	0.0%	
39.5%	466	466	0	0.0%	
40.7%	466	466	0	0.0%	
42.0%	466	466	0	0.0%	
43.2%	466	466	0	0.0%	
44.4%	466	465	-1	-0.1%	
45.7%	466	465	-1	-0.1%	
46.9%	466	465	-1	-0.3%	
48.1%	466	464	-1	-0.3%	
49.4%	465	464	-1	-0.2%	
50.6%	465	464	-1	-0.1%	
51.9%	464	464	0	0.0%	
53.1%	464	463	-1	-0.2%	
54.3%	462	463	1	0.2%	
55.6%	460	463	3	0.6%	
56.8%	458	463	5	1.0%	
58.0%	457	462	5	1.1%	
59.3%	453	454	1	0.2%	
60.5%	452	453	2	0.4%	
61.7%	451	451	0	0.0%	
63.0%	451	450	-1	-0.3%	
64.2%	449	450	1	0.2%	
65.4%	446	449	3	0.6%	
66.7%	446	448	3	0.6%	
67.9%	443	443	1	0.1%	
69.1%	442	442	-1	-0.2%	
70.4%	442	439	-2	-0.5%	
71.6%	439	438	-1	-0.3%	
72.8%	437	437	0	0.0%	
74.1%	437	437	0	0.0%	
75.3%	436	436	1	0.2%	
76.5%	435	436	1	0.1%	
77.8%	431	435	4	0.9%	
79.0%	429	429	0	0.0%	
80.2%	428	429	1	0.2%	
81.5%	427	429	1	0.3%	
82.7%	427	427	1	0.1%	
84.0%	424	404	-2	-0.5%	
85.2%	418	417	-1	-0.3%	
86.4%	417	416	-2	-0.4%	
87.7%	416	413	-3	-0.6%	
88.9%	411	412	1	0.2%	
90.1%	410	412	1	0.3%	
91.4%	409	411	2	0.6%	
92.6%	406	409	4	0.9%	
93.8%	399	408	10	2.4%	
95.1%	398	406	8	2.0%	
96.3%	393	400	7	1.8%	
97.5%	389	396	7	1.9%	
98.8%	387	392	5	1.3%	
100.0%	339	330	-9	-2.8%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	463	463	0	0.0%	
1.2%	463	463	0	0.0%	
2.5%	463	463	0	0.0%	
3.7%	463	463	0	0.0%	
4.9%	463	463	0	0.0%	
6.2%	463	463	0	0.0%	
7.4%	463	463	0	0.0%	
8.6%	463	463	0	0.0%	
9.9%	463	463	0	0.0%	
11.1%	463	463	0	0.0%	
12.3%	463	463	0	0.0%	
13.6%	463	461	-2	-0.5%	
14.8%	463	461	-2	-0.5%	
16.0%	463	461	-2	-0.5%	
17.3%	462	461	-1	-0.2%	
18.5%	461	460	0	-0.1%	
19.8%	460	460	1	0.1%	
21.0%	459	460	1	0.2%	
22.2%	457	460	3	0.7%	
23.5%	456	460	4	1.0%	
24.7%	456	460	5	1.0%	
25.9%	455	460	5	1.2%	
27.2%	453	460	7	1.5%	
28.4%	449	460	11	2.3%	
29.6%	449	459	10	2.3%	
30.9%	448	458	10	2.2%	
32.1%	448	455	7	1.5%	
33.3%	448	454	6	1.3%	
34.6%	448	453	5	1.1%	
35.8%	447	452	5	1.2%	
37.0%	447	452	5	1.1%	
38.3%	446	451	5	1.0%	
39.5%	446	450	5	1.0%	
40.7%	445	450	5	1.0%	
42.0%	445	450	5	1.1%	
43.2%	445	449	4	0.9%	
44.4%	444	449	5	1.2%	
45.7%	444	449	5	1.1%	
46.9%	444	448	5	1.0%	
48.1%	443	448	5	1.2%	
49.4%	442	448	6	1.3%	
50.6%	442	445	3	0.6%	
51.9%	439	443	3	0.8%	
53.1%	439	443	4	0.8%	
54.3%	437	442	5	1.1%	
55.6%	437	441	4	1.0%	
56.8%	436	440	4	0.9%	
58.0%	435	439	4	1.0%	
59.3%	432	439	7	1.7%	
60.5%	427	437	9	2.1%	
61.7%	426	435	9	2.2%	
63.0%	424	431	7	1.6%	
64.2%	423	427	4	0.9%	
65.4%	420	426	6	1.3%	
66.7%	420	424	4	1.0%	
67.9%	419	423	4	1.0%	
69.1%	417	420	3	0.7%	
70.4%	416	418	2	0.6%	
71.6%	416	418	2	0.5%	
72.8%	415	418	3	0.7%	
74.1%	413	417	4	0.9%	
75.3%	413	414	2	0.4%	
76.5%	412	413	1	0.2%	
77.8%	411	413	2	0.4%	
79.0%	408	412	4	1.0%	
80.2%	408	409	1	0.3%	
81.5%	407	408	1	0.1%	
82.7%	405	407	2	0.5%	
84.0%	405	404	0	-0.1%	
85.2%	401	403	2	0.5%	
86.4%	401	403	2	0.6%	
87.7%	400	403	3	0.6%	
88.9%	400	403	3	0.8%	
90.1%	395	401	6	1.6%	
91.4%	394	400	6	1.6%	
92.6%	392	399	7	1.9%	
93.8%	389	399	9	2.2%	
95.1%	390	391	0	0.1%	
96.3%	390	388	-2	-0.5%	
97.5%	389	383	-6	-1.6%	
98.8%	389	380	-9	-2.3%	
100.0%	330	330	0	0.0%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	449	449	0	0.0%	
1.2%	449	449	0	0.0%	
2.5%	449	449	0	0.0%	
3.7%	449	449	0	0.0%	
4.9%	449	449	0	0.0%	
6.2%	449	449	0	0.0%	
7.4%	449	449	0	0.0%	
8.6%	449	449	0	0.0%	
9.9%	449	449	0	0.0%	
11.1%	449	449	0	0.0%	
12.3%	449	449	0	0.0%	
13.6%	448	449	0	0.0%	
14.8%	449	449	0	0.0%	
16.0%	449	449	0	0.0%	
17.3%	449	449	0	0.0%	
18.5%	449	449	0	0.0%	
19.8%	449	449	0	0.0%	
21.0%	449	449	0	0.0%	
22.2%	449	449	0	0.0%	
23.5%	449	449	0	0.0%	
24.7%	449	449	0	0.0%	
25.9%	448	449	1	0.2%	
27.2%	447	449	2	0.4%	
28.4%	445	449	3	0.6%	
29.6%	443	448	4	1.0%	
30.9%	443	446	3	0.7%	
32.1%	443	446	3	0.7%	
33.3%	443	446	3	0.7%	
34.6%	441	446	5	1.1%	
35.8%	441	445	4	1.0%	
37.0%	440	444	4	1.0%	
38.3%	439	444	5	1.0%	
39.5%	439	442	3	0.7%	
40.7%	439	442	3	0.9%	
42.0%	438	441	3	0.7%	
43.2%	435	440	5	1.2%	
44.4%	434	439	5	1.1%	
45.7%	432	439	7	1.6%	
46.9%	432	437	6	1.3%	
48.1%	430	435	5	1.1%	
49.4%	430	434	4	0.9%	
50.6%	430	433	4	0.8%	
51.9%	430	433	3	0.8%	
53.1%	428	433	5	1.1%	
54.3%	428	432	4	1.0%	
55.6%	424	430	6	1.5%	
56.8%	424	429	5	1.1%	
58.0%	423	427	5	1.1%	
59.3%	422	427	5	1.3%	
60.5%	420	426	6	1.5%	
61.7%	418	426	8	1.9%	
63.0%	418	425	7	1.6%	
64.2%	417	425	7	1.8%	
65.4%	412	422	10	2.4%	
66.7%	412	419	7	1.8%	
67.9%	412	415	3	0.8%	
69.1%	409	414	5	1.3%	
70.4%	407	414	7	1.7%	
71.6%	406	412	6	1.4%	
72.8%	405	409	4	1.0%	
74.1%	404	406	2	0.5%	
75.3%	404	404	0	0.0%	
76.5%	403	403	0	0.1%	
77.8%	401	402	1	0.3%	
79.0%	400	402	2	0.5%	
80.2%	400	401	1	0.4%	
81.5%	399	401	2	0.5%	
82.7%	399	399	0	0.1%	
84.0%	398	398	1	0.2%	
85.2%	397	396	-1	-0.3%	
86.4%	393	394	1	0.4%	
87.7%	392	394	2	0.5%	
88.9%	391	394	3	0.7%	
90.1%	390	392	2	0.5%	
91.4%	390	390	0	0.1%	
92.6%	389	390	1	0.2%	
93.8%	384	388	4	1.3%	
95.1%	381	387	6	1.5%	
96.3%	379	384	5	1.4%	
97.5%	337	346	9	2.7%	
98.8%	330	345	15	4.5%	
100.0%	330	330	0	0.0%	

September					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End			

Table SW-26-3a

Folsom Lake, End of Month Area

Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	7,394	7,011	7,177	7,384	7,599	8,611	9,478	10,219	9,984	8,943	8,292	7,603
Alternative A	7,589	7,219	7,318	7,495	7,702	8,686	9,528	10,252	10,046	9,194	8,497	7,826
Difference	195	208	141	111	103	74	50	33	62	251	205	223
Percent Difference ³	2.6%	3.0%	2.0%	1.5%	1.4%	0.9%	0.5%	0.3%	0.6%	2.8%	2.5%	2.9%
Water Year Types²												
Wet (32%)												
No Action Alternative	8,583	7,813	7,809	7,942	7,807	9,003	10,083	11,104	11,090	10,503	9,863	8,687
Alternative A	8,710	7,947	7,890	7,946	7,807	9,003	10,083	11,104	11,082	10,609	9,922	8,902
Difference	126	135	81	4	0	0	-1	-8	107	59	216	
Percent Difference	1.5%	1.7%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.0%	0.6%	2.5%
Above Normal (15%)												
No Action Alternative	8,020	7,505	7,677	7,899	8,068	9,141	10,105	11,118	10,957	9,728	9,139	8,310
Alternative A	8,250	7,746	7,825	7,960	8,101	9,140	10,105	11,118	10,983	9,964	9,337	8,553
Difference	230	241	148	61	33	-1	0	0	26	236	198	243
Percent Difference	2.9%	3.2%	1.9%	0.8%	0.4%	0.0%	0.0%	0.0%	0.2%	2.4%	2.2%	2.9%
Below Normal (17%)												
No Action Alternative	8,272	7,826	7,757	7,731	8,115	9,007	10,056	10,892	10,769	9,254	8,720	8,358
Alternative A	8,420	7,909	7,811	7,769	8,189	9,084	10,053	10,865	10,746	9,745	9,133	8,583
Difference	149	83	54	37	73	76	-3	-27	-23	492	413	225
Percent Difference	1.8%	1.1%	0.7%	0.5%	0.9%	0.8%	0.0%	-0.2%	-0.2%	5.3%	4.7%	2.7%
Dry (22%)												
No Action Alternative	6,667	6,728	6,868	7,065	7,716	8,702	9,440	9,934	9,442	8,061	7,242	6,973
Alternative A	6,981	7,056	7,082	7,243	7,868	8,782	9,550	10,008	9,524	8,296	7,579	7,266
Difference	314	328	214	178	152	80	110	74	83	234	336	293
Percent Difference	4.7%	4.9%	3.1%	2.5%	2.0%	0.9%	1.2%	0.7%	0.9%	2.9%	4.6%	4.2%
Critical (15%)												
No Action Alternative	4,257	4,251	5,094	5,730	5,900	6,635	6,922	7,043	6,516	5,740	5,115	4,613
Alternative A	4,444	4,551	5,349	6,109	6,259	6,934	7,101	7,192	6,834	6,062	5,203	4,727
Difference	187	300	255	379	359	299	179	149	318	322	88	114
Percent Difference	4.4%	7.1%	5.0%	6.6%	6.1%	4.5%	2.6%	2.1%	4.9%	5.6%	1.7%	2.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

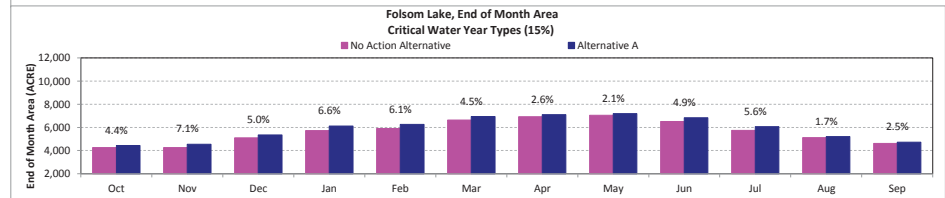
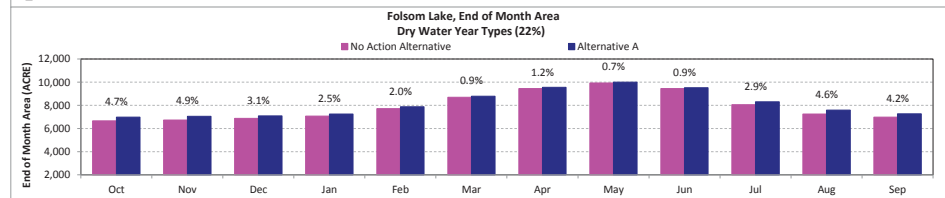
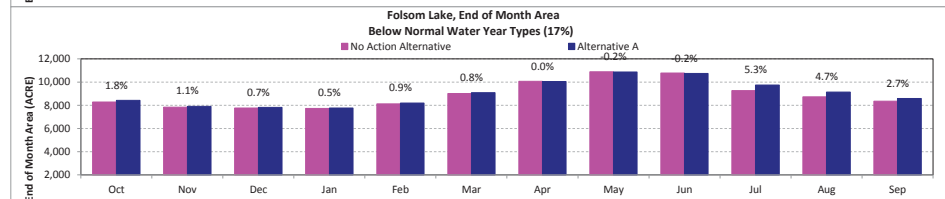
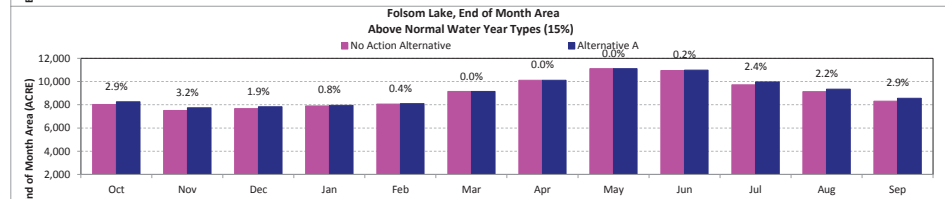
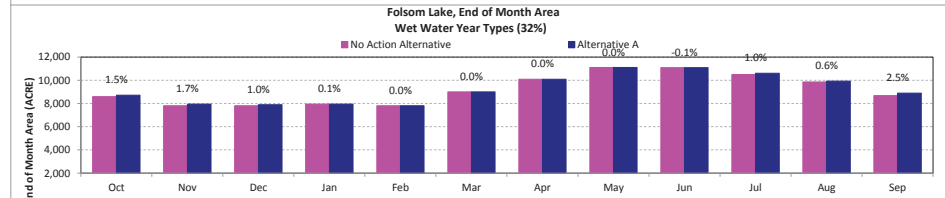
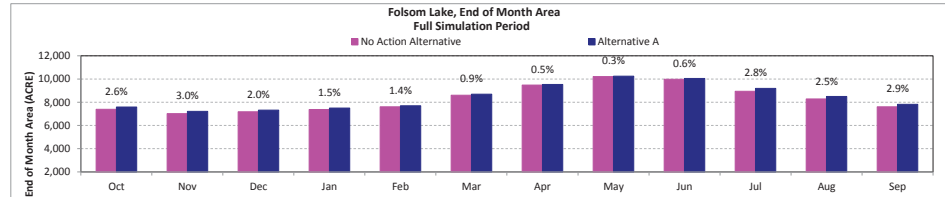


Figure SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

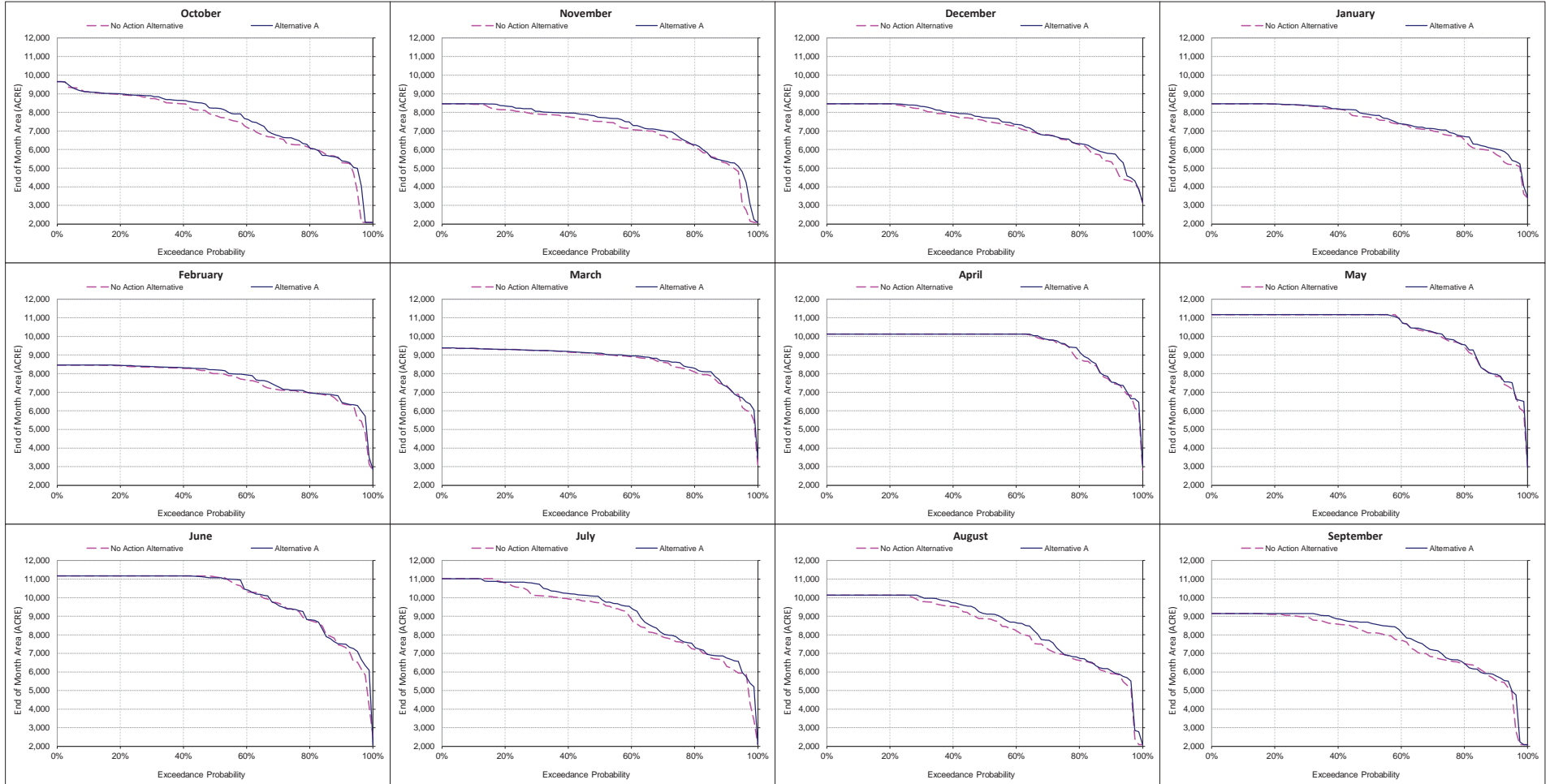


Table SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,656	9,656	0	0.0%
1.2%	9,656	9,656	0	0.0%
2.5%	9,643	9,643	0	0.0%
3.7%	9,343	9,464	121	1.3%
4.9%	9,334	9,320	-14	-0.2%
6.2%	9,230	9,233	3	0.0%
7.4%	9,233	9,159	-74	-0.8%
8.6%	9,113	9,120	7	0.1%
9.9%	9,100	9,097	-3	0.0%
11.1%	9,051	9,097	46	0.5%
12.3%	9,043	9,077	34	0.4%
13.6%	9,042	9,055	13	0.1%
14.8%	9,038	9,022	-16	-0.2%
16.0%	9,006	9,017	11	0.1%
17.3%	8,991	9,012	21	0.2%
18.5%	8,975	9,008	32	0.4%
19.8%	8,962	9,006	44	0.5%
21.0%	8,944	8,978	34	0.4%
22.2%	8,931	8,954	23	0.3%
23.5%	8,908	8,944	36	0.4%
24.7%	8,906	8,931	25	0.3%
25.9%	8,899	8,927	28	0.3%
27.2%	8,827	8,916	89	1.0%
28.4%	8,807	8,897	90	1.0%
29.6%	8,737	8,893	156	1.8%
30.9%	8,737	8,843	107	1.2%
32.1%	8,684	8,839	155	1.8%
33.3%	8,617	8,761	143	1.7%
34.6%	8,518	8,689	171	2.0%
35.8%	8,510	8,686	176	2.1%
37.0%	8,494	8,665	171	2.0%
38.3%	8,474	8,652	178	2.1%
39.5%	8,468	8,651	183	2.2%
40.7%	8,452	8,627	175	2.1%
42.0%	8,239	8,580	341	4.1%
43.2%	8,139	8,550	411	5.1%
44.4%	8,130	8,523	393	4.8%
45.7%	8,117	8,509	392	4.8%
46.9%	8,107	8,449	342	4.2%
48.1%	7,929	8,238	309	3.9%
49.4%	7,864	8,226	362	4.6%
50.6%	7,801	8,215	414	5.3%
51.9%	7,727	8,205	478	6.2%
53.1%	7,712	8,133	421	5.5%
54.3%	7,625	8,006	381	5.0%
55.6%	7,559	7,921	363	4.8%
56.8%	7,519	7,916	397	5.3%
58.0%	7,499	7,915	415	5.5%
59.3%	7,274	7,670	397	5.5%
60.5%	7,146	7,618	471	6.6%
61.7%	7,124	7,487	364	5.1%
63.0%	6,945	7,464	519	7.5%
64.2%	6,845	7,354	509	7.4%
65.4%	6,781	7,253	473	7.0%
66.7%	6,696	6,983	287	4.3%
67.9%	6,670	6,873	203	3.0%
69.1%	6,625	6,793	168	2.5%
70.4%	6,596	6,738	142	2.1%
71.6%	6,554	6,643	89	1.4%
72.8%	6,288	6,635	348	5.5%
74.1%	6,238	6,629	391	6.3%
75.3%	6,262	6,545	283	4.5%
76.5%	6,256	6,478	222	3.6%
77.8%	6,227	6,332	106	1.7%
79.0%	6,156	6,288	131	2.1%
80.2%	6,065	6,053	-12	-0.2%
81.5%	6,030	6,032	2	0.0%
82.7%	5,964	5,940	-24	-0.4%
84.0%	5,868	5,692	-177	-3.0%
85.2%	5,731	5,681	-51	-0.9%
86.4%	5,673	5,643	-30	-0.5%
87.7%	5,661	5,617	-44	-0.8%
88.9%	5,548	5,589	41	0.7%
90.1%	5,301	5,398	97	1.8%
91.4%	5,285	5,363	78	1.5%
92.6%	5,251	5,297	46	0.9%
93.8%	4,730	5,047	317	6.7%
95.1%	3,706	4,989	1,284	34.6%
96.3%	2,091	4,036	1,945	93.0%
97.5%	2,091	2,091	0	0.0%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,433	8,458	26	0.3%
11.1%	8,431	8,458	28	0.3%
12.3%	8,422	8,458	37	0.4%
13.6%	8,411	8,458	48	0.6%
14.8%	8,279	8,450	171	2.1%
16.0%	8,201	8,446	246	3.0%
17.3%	8,165	8,431	266	3.3%
18.5%	8,142	8,372	230	2.9%
19.8%	8,139	8,357	217	2.7%
21.0%	8,128	8,330	202	2.5%
22.2%	8,110	8,307	197	2.4%
23.5%	8,054	8,233	180	2.2%
24.7%	8,043	8,200	157	2.0%
25.9%	8,026	8,201	175	2.2%
27.2%	7,970	8,199	230	2.9%
28.4%	7,928	8,197	269	3.4%
29.6%	7,920	8,065	145	1.8%
30.9%	7,912	8,057	145	1.8%
32.1%	7,891	8,013	121	1.5%
33.3%	7,890	8,005	116	1.5%
34.6%	7,875	8,004	129	1.6%
35.8%	7,865	7,994	129	1.6%
37.0%	7,844	7,969	125	1.6%
38.3%	7,784	7,969	185	2.4%
39.5%	7,779	7,968	189	2.4%
40.7%	7,739	7,960	221	2.9%
42.0%	7,718	7,958	240	3.1%
43.2%	7,650	7,919	270	3.5%
44.4%	7,637	7,886	249	3.3%
45.7%	7,593	7,885	292	3.9%
46.9%	7,564	7,855	291	3.8%
48.1%	7,529	7,828	299	4.0%
49.4%	7,515	7,737	222	3.0%
50.6%	7,507	7,723	216	2.9%
51.9%	7,476	7,704	228	3.0%
53.1%	7,454	7,683	228	3.1%
54.3%	7,447	7,672	225	3.0%
55.6%	7,288	7,671	383	5.3%
56.8%	7,176	7,611	435	6.1%
58.0%	7,150	7,497	347	4.8%
59.3%	7,146	7,492	346	4.8%
60.5%	7,063	7,288	225	3.2%
61.7%	7,050	7,285	235	3.3%
63.0%	7,043	7,220	177	2.5%
64.2%	7,023	7,138	115	1.6%
65.4%	7,003	7,116	114	1.6%
66.7%	6,993	7,108	115	1.6%
67.9%	6,911	7,081	170	2.5%
69.1%	6,778	7,045	266	3.9%
70.4%	6,754	7,003	249	3.7%
71.6%	6,612	6,981	369	5.6%
72.8%	6,568	6,938	370	5.6%
74.1%	6,548	6,808	260	4.0%
75.3%	6,515	6,629	114	1.7%
76.5%	6,473	6,514	41	0.6%
77.8%	6,336	6,416	80	1.3%
79.0%	6,302	6,288	-14	-0.2%
80.2%	6,116	6,265	149	2.4%
81.5%	6,030	6,157	127	2.1%
82.7%	5,830	5,982	152	2.6%
84.0%	5,825	5,837	12	0.2%
85.2%	5,621	5,587	-34	-0.6%
86.4%	5,568	5,510	-58	-1.0%
87.7%	5,410	5,462	52	1.0%
88.9%	5,322	5,412	90	1.7%
90.1%	5,266	5,360	94	1.8%
91.4%	5,108	5,294	186	3.6%
92.6%	4,978	5,284	306	6.1%
93.8%	4,819	5,101	282	5.8%
95.1%	3,064	4,813	1,749	57.1%
96.3%	2,732	4,236	1,504	55.0%
97.5%	2,159	3,063	904	41.9%
98.8%	2,091	2,235	144	6.9%
100.0%	2,091	2,091	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,458	8,458	0	0.0%
18.5%	8,458	8,458	0	0.0%
19.8%	8,458	8,458	0	0.0%
21.0%	8,431	8,458	28	0.3%
22.2%	8,388	8,458	71	0.8%
23.5%	8,385	8,431	46	0.5%
24.7%	8,323	8,419	94	1.1%
25.9%	8,303	8,397	95	1.1%
27.2%	8,233	8,396	163	2.0%
28.4%	8,215	8,384	168	2.1%
29.6%	8,209	8,323	114	1.4%
30.9%	8,096	8,316	220	2.7%
32.1%	8,024	8,269	245	3.0%
33.3%	8,013	8,215	202	2.5%
34.6%	7,948	8,127	179	2.3%
35.8%	7,933	8,117	184	2.3%
37.0%	7,933	8,035	102	1.3%
38.3%	7,909	8,024	115	1.5%
39.5%	7,827	7,985	158	2.0%
40.7%	7,786	7,972	186	2.4%
42.0%	7,722	7,938	216	2.8%
43.2%	7,705	7,933	228	3.0%
44.4%	7,705	7,924	219	2.8%
45.7%	7,675	7,886	221	2.9%
46.9%	7,632	7,797	165	2.2%
48.1%	7,609	7,786	177	2.3%
49.4%	7,590	7,719	129	1.7%
50.6%	7,494	7,706	212	2.8%
51.9%	7,485	7,696	211	2.8%
53.1%	7,438	7,676	237	3.2%
54.3%	7,420	7,652	232	3.1%
55.6%	7,370	7,485	114	1.5%
56.8%	7,353	7,470	117	1.6%
58.0%	7,286	7,453	167	2.3%
59.3%	7,270	7,355	85	1.2%
60.5%	7,174	7,353	179	2.5%
61.7%	7,091	7,317	226	3.2%
63.0%	7,043	7,207	164	2.3%
64.2%	6,971	7,170	199	2.9%
65.4%	6,933	7,042	108	1.6%
66.7%	6,887	6,873	-14	-0.2%
67.9%	6,807	6,800	-7	-0.1%
69.1%	6,800	6,780	-20	-0.3%
70.4%	6,794	6,777	-17	-0.3%
71.6%	6,746	6,736	-11	-0.2%
72.8%	6,736	6,682	-54	-0.8%
74.1%	6,546	6,608	62	0.9%
75.3%	6,535	6,586	51	0.8%
76.5%	6,490	6,568	78	1.2%
77.8%	6,383	6,383	0	0.0%
79.0%	6,315	6,330	15	0.2%
80.2%	6,232	6,312	81	1.3%
81.5%	6,209	6,291	82	1.3%
82.7%	6,034	6,232	198	3.3%
84.0%	5,786	6,104	317	5.5%
85.2%	5,751	6,002	250	4.4%
86.4%	5,719	5,908	189	3.3%
87.7%	5,598	5,852	254	4.5%
88.9%	5,390	5,804	414	7.7%
90.1%	5,339	5,778	439	8.2%
91.4%	5,015	5,751	737	14.7%
92.6%	4,685	5,475	790	16.9%
93.8%	4,404	5,300	896	20.3%

Table SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	9,380	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,449	8,458	9	0.1%
16.0%	8,449	8,458	9	0.1%
17.3%	8,446	8,458	13	0.2%
18.5%	8,433	8,449	17	0.2%
19.8%	8,431	8,449	18	0.2%
21.0%	8,412	8,436	24	0.3%
22.2%	8,394	8,433	39	0.5%
23.5%	8,376	8,431	55	0.7%
24.7%	8,376	8,412	37	0.4%
25.9%	8,375	8,412	37	0.4%
27.2%	8,348	8,394	46	0.6%
28.4%	8,348	8,390	42	0.5%
29.6%	8,348	8,376	28	0.3%
30.9%	8,348	8,376	28	0.3%
32.1%	8,339	8,348	9	0.1%
33.3%	8,339	8,348	9	0.1%
34.6%	8,320	8,348	28	0.3%
35.8%	8,312	8,348	36	0.4%
37.0%	8,311	8,339	28	0.3%
38.3%	8,311	8,339	28	0.3%
39.5%	8,283	8,320	37	0.4%
40.7%	8,283	8,311	28	0.3%
42.0%	8,274	8,311	37	0.4%
43.2%	8,265	8,283	18	0.2%
44.4%	8,210	8,283	74	0.9%
45.7%	8,168	8,274	106	1.3%
46.9%	8,164	8,265	101	1.2%
48.1%	8,069	8,213	144	1.8%
49.4%	8,007	8,210	203	2.5%
50.6%	7,995	8,193	198	2.5%
51.9%	7,989	8,190	202	2.5%
53.1%	7,970	8,164	193	2.4%
54.3%	7,893	8,007	114	1.4%
55.6%	7,890	7,989	99	1.3%
56.8%	7,807	7,981	175	2.2%
58.0%	7,702	7,970	268	3.5%
59.3%	7,681	7,945	264	3.4%
60.5%	7,620	7,917	297	3.9%
61.7%	7,620	7,890	270	3.5%
63.0%	7,565	7,671	106	1.4%
64.2%	7,497	7,620	123	1.6%
65.4%	7,313	7,620	307	4.2%
66.7%	7,240	7,565	325	4.5%
67.9%	7,198	7,472	284	4.0%
69.1%	7,169	7,357	188	2.6%
70.4%	7,120	7,265	145	2.0%
71.6%	7,113	7,158	44	0.6%
72.8%	7,113	7,152	38	0.5%
74.1%	7,095	7,113	18	0.3%
75.3%	7,095	7,113	19	0.3%
76.5%	7,006	7,103	98	1.4%
77.8%	6,996	7,095	99	1.4%
79.0%	6,994	6,996	2	0.0%
80.2%	6,962	6,967	-5	-0.1%
81.5%	6,957	6,944	-12	-0.2%
82.7%	6,920	6,920	0	0.0%
84.0%	6,883	6,909	26	0.4%
85.2%	6,846	6,900	54	0.8%
86.4%	6,844	6,883	39	0.6%
87.7%	6,719	6,843	124	1.8%
88.9%	6,521	6,819	298	4.6%
90.1%	6,395	6,460	65	1.0%
91.4%	6,343	6,395	52	0.8%
92.6%	6,324	6,341	18	0.3%
93.8%	6,288	6,324	36	0.6%
95.1%	5,560	6,288	728	13.1%
96.3%	5,451	5,996	545	10.0%
97.5%	4,808	5,721	913	19.0%
98.8%	3,124	5,501	376	12.0%
100.0%	2,794	2,834	39	1.4%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,380	9,380	0	0.0%
1.2%	9,380	9,380	0	0.0%
2.5%	9,380	9,380	0	0.0%
3.7%	9,380	9,380	0	0.0%
4.9%	9,361	9,361	0	0.0%
6.2%	9,361	9,361	0	0.0%
7.4%	9,361	9,361	0	0.0%
8.6%	9,352	9,352	0	0.0%
9.9%	9,352	9,352	0	0.0%
11.1%	9,334	9,352	18	0.2%
12.3%	9,325	9,334	9	0.1%
13.6%	9,325	9,325	0	0.0%
14.8%	9,315	9,325	9	0.1%
16.0%	9,315	9,315	0	0.0%
17.3%	9,306	9,315	9	0.1%
18.5%	9,306	9,306	0	0.0%
19.8%	9,306	9,306	0	0.0%
21.0%	9,306	9,306	0	0.0%
22.2%	9,306	9,306	0	0.0%
23.5%	9,297	9,297	0	0.0%
24.7%	9,278	9,278	0	0.0%
25.9%	9,278	9,278	0	0.0%
27.2%	9,260	9,266	6	0.1%
28.4%	9,260	9,260	0	0.0%
29.6%	9,251	9,260	9	0.1%
30.9%	9,245	9,251	7	0.1%
32.1%	9,242	9,249	7	0.1%
33.3%	9,232	9,242	9	0.1%
34.6%	9,232	9,232	0	0.0%
35.8%	9,214	9,223	9	0.1%
37.0%	9,205	9,214	9	0.1%
38.3%	9,205	9,205	0	0.0%
39.5%	9,177	9,205	28	0.3%
40.7%	9,149	9,177	28	0.3%
42.0%	9,147	9,162	14	0.2%
43.2%	9,122	9,122	0	0.0%
44.4%	9,122	9,149	28	0.3%
45.7%	9,122	9,122	0	0.0%
46.9%	9,113	9,122	9	0.1%
48.1%	9,103	9,113	9	0.1%
49.4%	9,103	9,103	0	0.0%
50.6%	9,023	9,089	66	0.7%
51.9%	9,002	9,030	28	0.3%
53.1%	9,002	9,013	11	0.1%
54.3%	8,989	9,006	17	0.2%
55.6%	8,956	9,002	46	0.5%
56.8%	8,947	9,002	55	0.6%
58.0%	8,947	8,987	40	0.4%
59.3%	8,919	8,956	37	0.4%
60.5%	8,891	8,947	55	0.6%
61.7%	8,892	8,947	64	0.7%
63.0%	8,843	8,919	76	0.9%
64.2%	8,827	8,891	64	0.7%
65.4%	8,826	8,882	57	0.6%
66.7%	8,801	8,827	26	0.3%
67.9%	8,689	8,826	137	1.6%
69.1%	8,708	8,708	0	0.0%
70.4%	8,597	8,689	92	1.1%
71.6%	8,580	8,675	96	1.1%
72.8%	8,378	8,619	241	2.9%
74.1%	8,354	8,615	261	3.1%
75.3%	8,328	8,597	269	3.2%
76.5%	8,263	8,408	145	1.8%
77.8%	8,238	8,354	116	1.4%
79.0%	8,151	8,328	177	2.2%
80.2%	8,069	8,262	193	2.4%
81.5%	7,953	8,148	195	2.5%
82.7%	7,948	8,119	171	2.2%
84.0%	7,947	8,103	156	2.0%
85.2%	7,880	8,095	216	2.7%
86.4%	7,695	7,949	154	2.0%
87.7%	7,492	7,696	205	2.7%
88.9%	7,436	7,397	-39	-0.5%
90.1%	7,359	7,302	-57	-0.8%
91.4%	7,105	7,140	35	0.5%
92.6%	6,901	6,896	-5	-0.1%
93.8%	6,893	6,771	-122	-1.8%
95.1%	6,181	6,704	523	8.5%
96.3%	6,022	6,488	466	7.7%
97.5%	5,951	6,369	418	7.0%
98.8%	5,466	5,589	123	1.8%
100.0%	3,068	3,444	376	12.3%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,132	10,132	0	0.0%
27.2%	10,132	10,132	0	0.0%
28.4%	10,132	10,132	0	0.0%
29.6%	10,132	10,132	0	0.0%
30.9%	10,132	10,132	0	0.0%
32.1%	10,132	10,132	0	0.0%
33.3%	10,132	10,132	0	0.0%
34.6%	10,132	10,132	0	0.0%
35.8%	10,132	10,132	0	0.0%
37.0%	10,132	10,132	0	0.0%
38.3%	10,132	10,132	0	0.0%
39.5%	10,132	10,132	0	0.0%
40.7%	10,132	10,132	0	0.0%
42.0%	10,132	10,132	0	0.0%
43.2%	10,132	10,132	0	0.0%
44.4%	10,132	10,132	0	0.0%
45.7%	10,132	10,132	0	0.0%
46.9%	10,132	10,132	0	0.0%
48.1%	10,132	10,132	0	0.0%
49.4%	10,132	10,132	0	0.0%
50.6%	10,132	10,132	0	0.0%
51.9%	10,132	10,132	0	0.0%
53.1%	10,132	10,132	0	0.0%
54.3%	10,132	10,132	0	0.0%
55.6%	10,132	10,132	0	0.0%
56.8%	10,132	10,132	0	0.0%
58.0%	10,132	10,132	0	0.0%
59.3%	10,132	10,132	0	0.0%
60.5%	10,132	10,132	0	0.0%
61.7%	10,132	10,132	0	0.0%
63.0%	10,132	10,132	0	0.0%
64.2%	10,081	10,132	50	0.5%
65.4%	10,045	10,045	0	0.0%
66.7%	9,928	10,044	117	1.2%
67.9%	9,877	9,923	46	0.5%
69.1%	9,814	9,854	40	0.4%
70.4%	9,807	9,812	5	0.1%
71.6%	9,802	9,802	0	0.0%
72.8%	9,645	9,767	122	1.3%
74.1%	9,607	9,640	32	0.3%
75.3%	9,568	9,609	41	0.4%
76.5%	9,441	9,436	-5	-0.1%
77.8%	9,106	9,413	307	3.4%
79.0%	8,831	9,394	563	6.4%
80.2%	8,754	9,126	371	4.2%
81.5%	8,665	8,919	255	2.9%
82.7%	8,654	8,831	177	2.0%
84.0%	8,482	8,649	167	2.0%
85.2%	8,431	8,537	106	1.3%
86.4%	8,095	8,055	-40	-0.5%
87.7%	7,826	7,927	101	1.3%
88.9%	7,736	7,854	118	1.5%
90.1%	7,509	7,541	32	0.4%
91.4%	7,438	7,518	80	1.1%
92.6%	7,436	7,436	0	0.0%
93.8%	7,155	7,357	202	2.8%
95.1%	6,871	7,016	145	2.1%
96.3%	6,845			

Table SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	11,171	11,171	0	0.0%	
1.2%	11,171	11,171	0	0.0%	
2.5%	11,171	11,171	0	0.0%	
3.7%	11,171	11,171	0	0.0%	
4.9%	11,171	11,171	0	0.0%	
6.2%	11,171	11,171	0	0.0%	
7.4%	11,171	11,171	0	0.0%	
8.6%	11,171	11,171	0	0.0%	
9.9%	11,171	11,171	0	0.0%	
11.1%	11,171	11,171	0	0.0%	
12.3%	11,171	11,171	0	0.0%	
13.6%	11,171	11,171	0	0.0%	
14.8%	11,171	11,171	0	0.0%	
16.0%	11,171	11,171	0	0.0%	
17.3%	11,171	11,171	0	0.0%	
18.5%	11,171	11,171	0	0.0%	
19.8%	11,171	11,171	0	0.0%	
21.0%	11,171	11,171	0	0.0%	
22.2%	11,171	11,171	0	0.0%	
23.5%	11,171	11,171	0	0.0%	
24.7%	11,171	11,171	0	0.0%	
25.9%	11,171	11,171	0	0.0%	
27.2%	11,171	11,171	0	0.0%	
28.4%	11,171	11,171	0	0.0%	
29.6%	11,171	11,171	0	0.0%	
30.9%	11,171	11,171	0	0.0%	
32.1%	11,171	11,171	0	0.0%	
33.3%	11,171	11,171	0	0.0%	
34.6%	11,171	11,171	0	0.0%	
35.8%	11,171	11,171	0	0.0%	
37.0%	11,171	11,171	0	0.0%	
38.3%	11,171	11,170	-2	0.0%	
39.5%	11,171	11,170	-2	0.0%	
40.7%	11,171	11,168	-3	0.0%	
42.0%	11,171	11,163	-8	-0.1%	
43.2%	11,171	11,162	-9	-0.1%	
44.4%	11,170	11,139	-31	-0.3%	
45.7%	11,170	11,133	-36	-0.3%	
46.9%	11,168	11,094	-73	-0.7%	
48.1%	11,162	11,076	-86	-0.8%	
49.4%	11,133	11,071	-62	-0.6%	
50.6%	11,104	11,068	-36	-0.3%	
51.9%	11,081	11,067	-13	-0.1%	
53.1%	11,067	11,005	-62	-0.6%	
54.3%	10,947	11,003	56	0.5%	
55.6%	10,808	10,989	181	1.7%	
56.8%	10,697	10,980	284	2.7%	
58.0%	10,639	10,947	308	2.9%	
59.3%	10,398	10,453	55	0.5%	
60.5%	10,297	10,398	101	1.0%	
61.7%	10,293	10,292	-1	-0.1%	
63.0%	10,269	10,185	-83	-0.8%	
64.2%	10,119	10,173	54	0.5%	
65.4%	9,962	10,121	159	1.6%	
66.7%	9,929	10,091	162	1.6%	
67.9%	9,748	9,788	40	0.4%	
69.1%	9,735	9,684	-52	-0.5%	
70.4%	9,692	9,554	-138	-1.4%	
71.6%	9,554	9,474	-80	-0.8%	
72.8%	9,412	9,401	-11	-0.1%	
74.1%	9,389	9,399	10	0.1%	
75.3%	9,308	9,365	57	0.6%	
76.5%	9,253	9,297	45	0.5%	
77.8%	8,951	9,251	300	3.4%	
79.0%	8,822	8,818	-4	0.0%	
80.2%	8,762	8,811	49	0.6%	
81.5%	8,691	8,776	85	1.0%	
82.7%	8,639	8,685	46	0.5%	
84.0%	8,471	8,309	-162	-1.9%	
85.2%	7,993	7,900	-93	-1.2%	
86.4%	7,928	7,803	-125	-1.6%	
87.7%	7,834	7,638	-195	-2.5%	
88.9%	7,469	7,526	57	0.8%	
90.1%	7,412	7,513	101	1.4%	
91.4%	7,315	7,495	180	2.5%	
92.6%	7,059	7,330	272	3.9%	
93.8%	6,540	7,256	716	10.9%	
95.1%	6,523	7,103	581	8.9%	
96.3%	6,148	6,669	520	8.5%	
97.5%	5,824	6,352	528	9.1%	
98.8%	4,142	6,092	1,950	47.1%	
100.0%	2,522	2,091	-431	-17.1%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	11,023	11,023	0	0.0%	
1.2%	11,023	11,023	0	0.0%	
2.5%	11,023	11,023	0	0.0%	
3.7%	11,023	11,023	0	0.0%	
4.9%	11,023	11,023	0	0.0%	
6.2%	11,023	11,023	0	0.0%	
7.4%	11,023	11,023	0	0.0%	
8.6%	11,023	11,023	0	0.0%	
9.9%	11,023	11,023	0	0.0%	
11.1%	11,023	11,023	0	0.0%	
12.3%	11,023	11,023	0	0.0%	
13.6%	11,023	10,884	-138	-1.3%	
14.8%	11,023	10,881	-141	-1.3%	
16.0%	11,023	10,873	-150	-1.4%	
17.3%	10,920	10,870	-50	-0.5%	
18.5%	10,868	10,841	-27	-0.2%	
19.8%	10,801	10,841	40	0.4%	
21.0%	10,773	10,841	68	0.6%	
22.2%	10,641	10,841	200	1.9%	
23.5%	10,571	10,841	270	2.6%	
24.7%	10,552	10,835	284	2.7%	
25.9%	10,512	10,834	321	3.1%	
27.2%	10,401	10,812	410	3.9%	
28.4%	10,145	10,791	646	6.4%	
29.6%	10,115	10,744	629	6.2%	
30.9%	10,100	10,716	616	6.1%	
32.1%	10,097	10,500	402	4.0%	
33.3%	10,082	10,450	368	3.7%	
34.6%	10,058	10,362	303	3.0%	
35.8%	10,026	10,347	320	3.2%	
37.0%	10,014	10,306	293	2.9%	
38.3%	9,961	10,247	286	2.9%	
39.5%	9,949	10,231	282	2.8%	
40.7%	9,914	10,200	286	2.9%	
42.0%	9,897	10,189	292	2.9%	
43.2%	9,889	10,143	255	2.6%	
44.4%	9,825	10,138	313	3.2%	
45.7%	9,817	10,119	302	3.1%	
46.9%	9,812	10,093	280	2.9%	
48.1%	9,757	10,082	325	3.3%	
49.4%	9,734	10,074	340	3.5%	
50.6%	9,723	9,885	162	1.7%	
51.9%	9,556	9,759	203	2.1%	
53.1%	9,535	9,757	222	2.3%	
54.3%	9,411	9,693	282	3.0%	
55.6%	9,410	9,673	263	2.8%	
56.8%	9,322	9,586	264	2.8%	
58.0%	9,270	9,551	281	3.0%	
59.3%	9,016	9,535	519	5.8%	
60.5%	8,688	9,372	683	7.9%	
61.7%	8,580	9,270	689	8.0%	
63.0%	8,185	8,923	737	9.0%	
64.2%	8,389	8,688	298	3.6%	
65.4%	8,153	8,558	405	5.0%	
66.7%	8,125	8,447	322	4.0%	
67.9%	8,059	8,363	304	3.8%	
69.1%	7,941	8,155	214	2.7%	
70.4%	7,850	8,024	174	2.2%	
71.6%	7,816	7,984	168	2.1%	
72.8%	7,744	7,964	220	2.8%	
74.1%	7,629	7,902	273	3.6%	
75.3%	7,622	7,735	113	1.5%	
76.5%	7,551	7,614	63	0.8%	
77.8%	7,456	7,581	125	1.7%	
79.0%	7,249	7,548	300	4.1%	
80.2%	7,211	7,297	85	1.2%	
81.5%	7,193	7,235	41	0.6%	
82.7%	7,001	7,167	166	2.4%	
84.0%	6,980	6,943	-37	-0.5%	
85.2%	6,745	6,902	156	2.3%	
86.4%	6,689	6,873	184	2.7%	
87.7%	6,681	6,868	187	2.8%	
88.9%	6,633	6,859	226	3.4%	
90.1%	6,301	6,754	453	7.2%	
91.4%	6,213	6,680	467	7.5%	
92.6%	6,072	6,517	445	7.3%	
93.8%	5,943	6,578	635	10.7%	
95.1%	5,941	5,978	36	0.6%	
96.3%	5,906	5,751	-155	-2.6%	
97.5%	4,288	5,402	1,114	26.0%	
98.8%	3,980	5,187	1,207	30.7%	
100.0%	2,091	2,091	0	0.0%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	10,132	10,132	0	0.0%	
1.2%	10,132	10,132	0	0.0%	
2.5%	10,132	10,132	0	0.0%	
3.7%	10,132	10,132	0	0.0%	
4.9%	10,132	10,132	0	0.0%	
6.2%	10,132	10,132	0	0.0%	
7.4%	10,132	10,132	0	0.0%	
8.6%	10,132	10,132	0	0.0%	
9.9%	10,132	10,132	0	0.0%	
11.1%	10,132	10,132	0	0.0%	
12.3%	10,132	10,132	0	0.0%	
13.6%	10,132	10,132	0	0.0%	
14.8%	10,132	10,132	0	0.0%	
16.0%	10,132	10,132	0	0.0%	
17.3%	10,132	10,132	0	0.0%	
18.5%	10,132	10,132	0	0.0%	
19.8%	10,132	10,132	0	0.0%	
21.0%	10,132	10,132	0	0.0%	
22.2%	10,132	10,132	0	0.0%	
23.5%	10,132	10,132	0	0.0%	
24.7%	10,132	10,132	0	0.0%	
25.9%	10,078	10,132	54	0.5%	
27.2%	10,016	10,132	115	1.2%	
28.4%	9,925	10,132	206	2.1%	
29.6%	9,784	10,051	267	2.7%	
30.9%	9,781	9,974	194	2.0%	
32.1%	9,772	9,971	199	2.0%	
33.3%	9,762	9,961	199	2.0%	
34.6%	9,653	9,958	305	3.2%	
35.8%	9,622	9,884	262	2.7%	
37.0%	9,573	9,840	266	2.8%	
38.3%	9,543	9,822	279	2.9%	
39.5%	9,535	9,730	195	2.1%	
40.7%	9,516	9,715	199	2.1%	
42.0%	9,467	9,651	184	1.9%	
43.2%	9,294	9,594	300	3.2%	
44.4%	9,211	9,544	333	3.6%	
45.7%	9,053	9,528	475	5.2%	
46.9%	9,004	9,432	428	4.8%	
48.1%	8,875	9,235	360	4.1%	
49.4%	8,871	9,160	289	3.3%	
50.6%	8,859	9,122	263	3.0%	
51.9%	8,852	9,111	259	2.9%	
53.1%	8,759	9,103	345	3.9%	
54.3%	8,713	9,029	316	3.6%	
55.6%	8,451	8,918	467	5.5%	
56.8%	8,441	8,783	342	4.1%	
58.0%	8,336	8,689	353	4.2%	
59.3%	8,282	8,689	407	4.9%	
60.5%	8,160	8,620	460	5.6%	
61.7%	8,022	8,616	594	7.4%	
63.0%	7,981	8,495	514	6.4%	
64.2%	7,928	8,477	549	6.9%	
65.4%	7,529	8,255	726	9.6%	
66.7%	7,509	8,058	549	7.3%	
67.9%	7,505	7,753			

Table SW-27-3a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period¹												
No Action Alternative	1,498	2,745	3,268	4,368	5,068	3,686	3,255	3,461	3,526	3,640	2,501	2,679
Alternative A	1,560	2,735	3,362	4,407	5,071	3,731	3,284	3,480	3,484	3,224	2,630	2,683
Difference	62	-10	94	38	2	45	29	19	-42	-416	130	4
Percent Difference ³	4.2%	-0.4%	2.9%	0.9%	0.0%	1.2%	0.9%	0.5%	-1.2%	-11.4%	5.2%	0.1%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,634	3,901	3,618	8,626	9,123	6,055	5,197	5,968	5,780	3,898	3,267	4,293
Alternative A	1,788	3,882	3,704	8,700	9,127	6,053	5,197	5,968	5,800	3,605	3,407	4,032
Difference	154	-19	86	74	4	-1	0	0	19	-293	140	-261
Percent Difference	9.4%	-0.5%	2.4%	0.9%	0.0%	0.0%	0.0%	0.0%	0.3%	-7.5%	4.3%	-6.1%
Above Normal (15%)												
No Action Alternative	1,525	2,743	2,900	4,521	6,203	5,332	3,454	3,649	3,255	4,415	2,632	3,088
Alternative A	1,530	2,735	3,049	4,684	6,256	5,389	3,451	3,645	3,178	3,914	2,811	3,033
Difference	5	-8	150	163	52	57	-4	-3	-78	-501	179	-54
Percent Difference	0.3%	-0.3%	5.2%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.4%	-11.3%	6.8%	-1.8%
Below Normal (17%)												
No Action Alternative	1,649	3,356	3,983	2,273	4,139	2,387	2,972	2,799	2,637	4,835	2,397	2,060
Alternative A	1,780	3,466	4,037	2,341	4,055	2,379	3,111	2,853	2,608	3,612	2,641	2,563
Difference	131	111	54	68	-83	-8	139	55	-29	-1,223	244	504
Percent Difference	8.0%	3.3%	1.4%	3.0%	-2.0%	-0.3%	4.7%	2.0%	-1.1%	-25.3%	10.2%	24.5%
Dry (22%)												
No Action Alternative	1,439	1,771	4,027	1,709	1,773	2,010	1,907	1,715	2,372	3,254	2,308	1,593
Alternative A	1,426	1,745	4,210	1,637	1,807	2,133	1,821	1,743	2,370	2,995	2,191	1,648
Difference	-13	-26	182	-71	35	124	-86	27	-2	-259	-117	55
Percent Difference	-0.9%	-1.5%	4.5%	-4.2%	2.0%	6.2%	-4.5%	1.6%	-0.1%	-7.9%	-5.1%	3.4%
Critical (15%)												
No Action Alternative	1,089	990	906	1,423	1,175	939	1,197	1,234	1,679	1,493	1,118	1,123
Alternative A	1,044	884	872	1,390	1,177	1,014	1,368	1,263	1,466	1,599	1,414	1,099
Difference	-46	-107	-34	-33	2	75	171	29	-212	106	296	-23
Percent Difference	-4.2%	-10.8%	-3.8%	-2.3%	0.1%	7.9%	14.3%	2.3%	-12.7%	7.1%	26.5%	-2.1%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

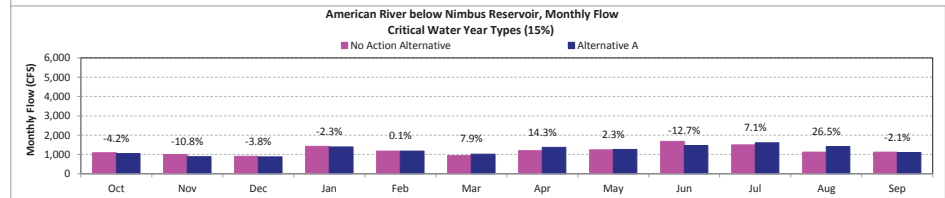
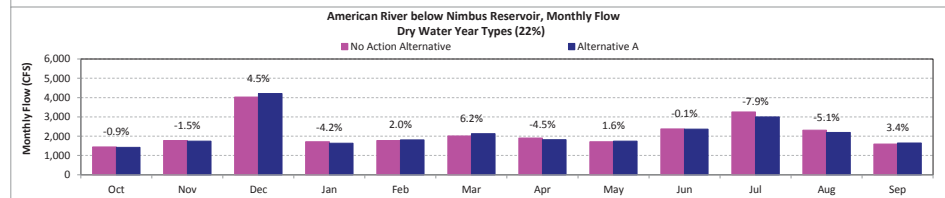
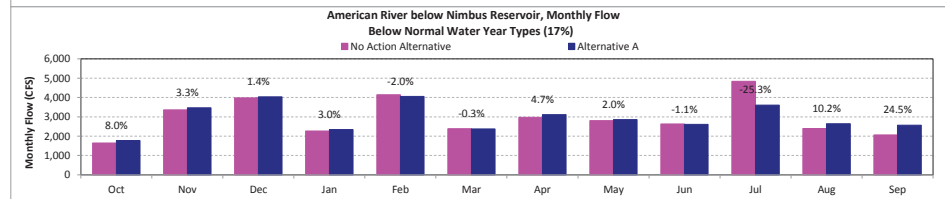
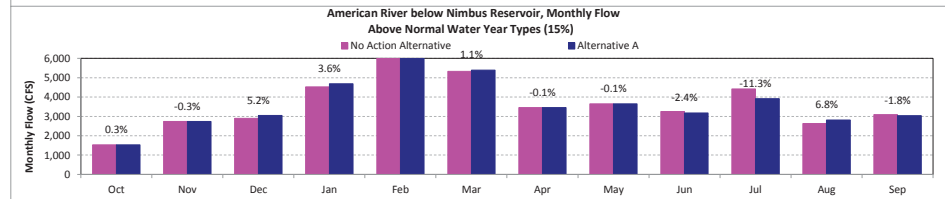
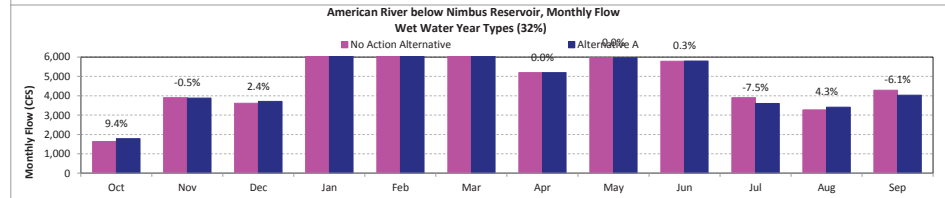
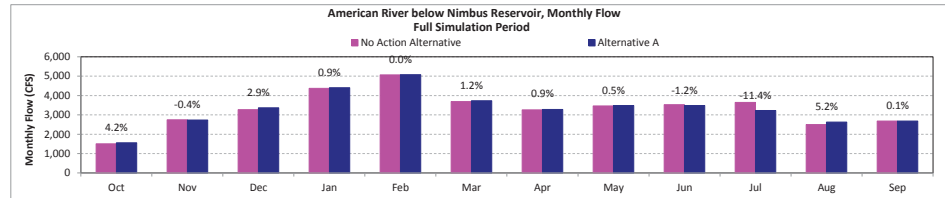


Figure SW-27-3b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

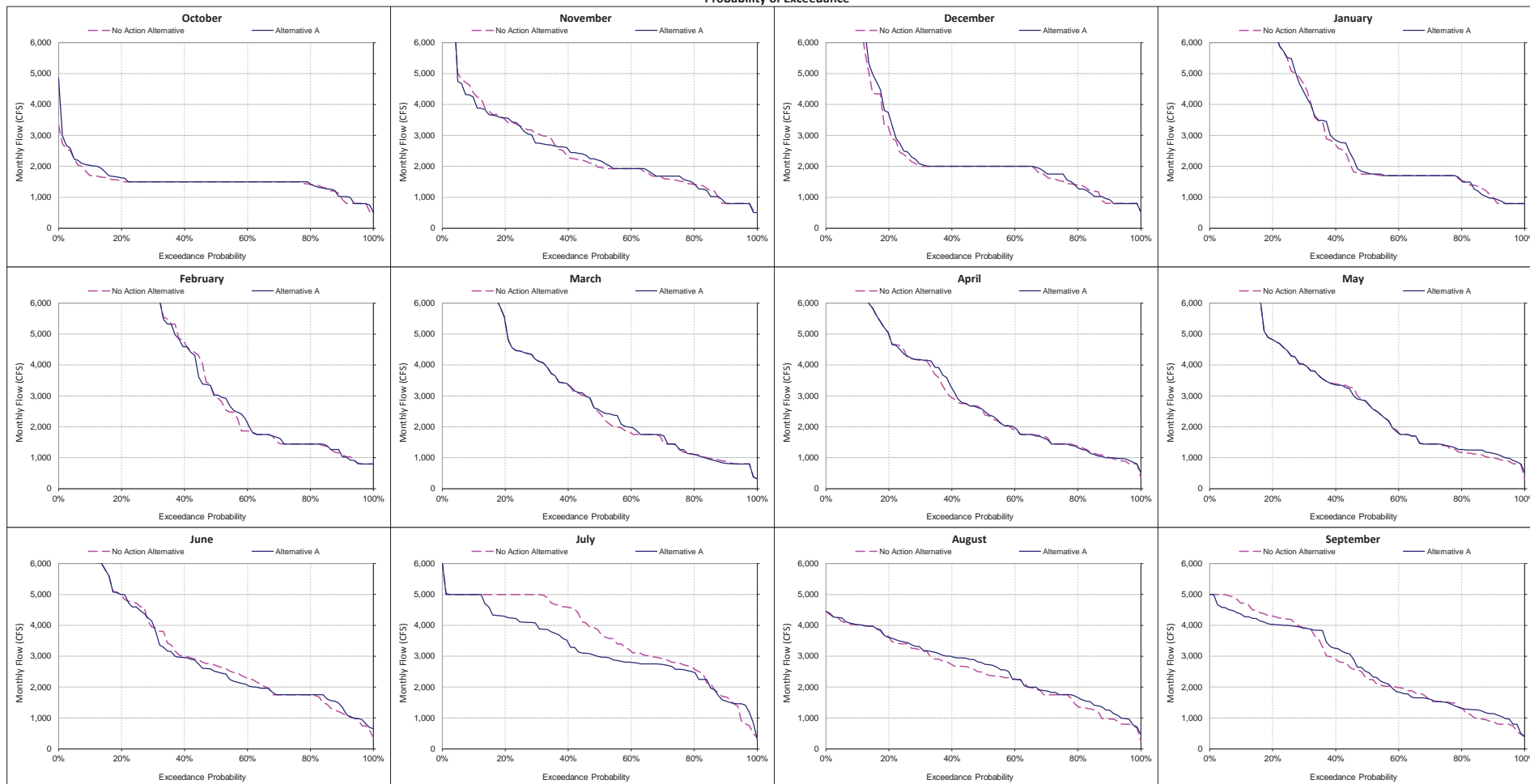


Table SW-27-3b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	4,864	1,527	45.8%
1.2%	2,927	2,869	-58	-2.0%
2.5%	2,572	2,680	108	4.2%
3.7%	2,503	2,585	82	3.3%
4.9%	2,265	2,238	-27	-1.2%
6.2%	2,035	2,196	161	7.9%
7.4%	1,999	2,093	94	4.7%
8.6%	1,841	2,061	220	11.9%
9.9%	1,712	2,035	323	18.8%
11.1%	1,690	2,010	320	18.9%
12.3%	1,687	2,005	318	18.8%
13.6%	1,654	1,935	281	17.0%
14.8%	1,640	1,822	181	11.1%
16.0%	1,597	1,694	97	6.1%
17.3%	1,567	1,678	111	7.1%
18.5%	1,563	1,662	99	6.3%
19.8%	1,534	1,630	95	6.2%
21.0%	1,500	1,615	115	7.7%
22.2%	1,500	1,500	0	0.0%
23.5%	1,500	1,500	0	0.0%
24.7%	1,500	1,500	0	0.0%
25.9%	1,500	1,500	0	0.0%
27.2%	1,500	1,500	0	0.0%
28.4%	1,500	1,500	0	0.0%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,442	1,500	58	4.0%
79.0%	1,428	1,500	72	5.0%
80.2%	1,409	1,411	2	0.1%
81.5%	1,388	1,358	-29	-2.1%
82.7%	1,371	1,317	-54	-3.9%
84.0%	1,318	1,299	-19	-1.4%
85.2%	1,286	1,269	-17	-1.3%
86.4%	1,205	1,266	61	5.1%
87.7%	1,196	1,226	30	2.5%
88.9%	1,119	1,034	-84	-7.6%
90.1%	918	1,024	105	11.5%
91.4%	800	1,022	222	27.8%
92.6%	800	995	195	24.3%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	537	745	208	38.7%
100.0%	500	500	0	0.0%

Percent Exceedance Probability	November			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	16,676	-578	-3.3%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	7,380	585	8.6%
4.9%	5,000	4,750	-250	-5.0%
6.2%	4,622	4,672	-50	-1.1%
7.4%	4,715	4,319	-397	-8.4%
8.6%	4,634	4,310	-323	-7.0%
9.9%	4,380	4,237	-143	-3.3%
11.1%	4,248	3,886	-362	-8.5%
12.3%	4,205	3,878	-327	-7.8%
13.6%	3,866	3,866	-48	-1.2%
14.8%	3,786	3,681	-105	-2.8%
16.0%	3,680	3,655	-25	-0.7%
17.3%	3,676	3,635	-41	-1.1%
18.5%	3,621	3,577	-44	-1.2%
19.8%	3,532	3,567	35	1.0%
21.0%	3,407	3,554	147	4.3%
22.2%	3,407	3,438	32	0.9%
23.5%	3,378	3,417	39	1.1%
24.7%	3,306	3,297	-9	-0.3%
25.9%	3,250	3,141	-109	-3.3%
27.2%	3,186	3,051	-135	-4.2%
28.4%	3,177	3,020	-157	-4.9%
29.6%	3,058	2,752	-306	-10.0%
30.9%	3,045	2,747	-297	-9.8%
32.1%	2,980	2,724	-256	-8.6%
33.3%	2,974	2,699	-275	-9.2%
34.6%	2,908	2,685	-223	-7.7%
35.8%	2,685	2,652	-33	-1.2%
37.0%	2,544	2,634	90	3.5%
38.3%	2,521	2,626	106	4.2%
39.5%	2,364	2,601	237	10.0%
40.7%	2,261	2,446	185	8.2%
42.0%	2,246	2,445	199	8.9%
43.2%	2,216	2,425	209	9.5%
44.4%	2,205	2,405	200	9.1%
45.7%	2,163	2,351	188	8.7%
46.9%	2,100	2,245	145	6.9%
48.1%	2,098	2,244	146	6.9%
49.4%	1,979	2,206	228	11.5%
50.6%	1,966	2,163	207	10.6%
51.9%	1,925	2,078	153	8.0%
53.1%	1,925	2,018	93	4.8%
54.3%	1,925	1,925	0	0.0%
55.6%	1,925	1,925	0	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,925	1,925	0	0.0%
60.5%	1,925	1,925	0	0.0%
61.7%	1,925	1,925	0	0.0%
63.0%	1,925	1,925	0	0.0%
64.2%	1,815	1,925	110	6.1%
65.4%	1,773	1,856	83	4.7%
66.7%	1,683	1,771	88	5.2%
67.9%	1,683	1,683	0	0.0%
69.1%	1,683	1,683	0	0.0%
70.4%	1,597	1,683	87	5.4%
71.6%	1,589	1,683	94	5.9%
72.8%	1,570	1,683	113	7.2%
74.1%	1,561	1,683	122	7.8%
75.3%	1,523	1,683	160	10.5%
76.5%	1,511	1,581	70	4.6%
77.8%	1,442	1,546	103	7.2%
79.0%	1,428	1,504	75	5.3%
80.2%	1,409	1,411	2	0.1%
81.5%	1,388	1,269	-119	-8.6%
82.7%	1,371	1,266	-105	-7.6%
84.0%	1,286	1,226	-60	-4.6%
85.2%	1,205	1,034	-171	-14.2%
86.4%	1,196	1,024	-172	-14.4%
87.7%	884	1,022	138	15.6%
88.9%	800	921	121	15.1%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	567	508	-58	-10.3%
100.0%	506	500	-6	-1.2%

Percent Exceedance Probability	December			
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	20,206	400	2.0%
1.2%	16,694	17,083	389	2.3%
2.5%	15,826	16,694	868	5.5%
3.7%	15,819	15,819	0	0.0%
4.9%	13,854	13,848	-6	0.0%
6.2%	12,876	13,315	439	3.4%
7.4%	9,069	9,069	0	0.0%
8.6%	8,809	8,791	-18	-0.2%
9.9%	7,228	7,228	0	0.0%
11.1%	6,653	6,653	0	0.0%
12.3%	5,722	6,366	643	11.2%
13.6%	5,079	5,329	250	4.9%
14.8%	4,368	4,973	605	13.9%
16.0%	4,345	4,735	391	9.0%
17.3%	4,340	4,474	135	3.1%
18.5%	3,325	3,811	486	14.6%
19.8%	3,291	3,742	451	13.7%
21.0%	2,909	3,315	406	14.0%
22.2%	2,828	2,909	81	2.9%
23.5%	2,466	2,732	266	10.8%
24.7%	2,388	2,499	111	4.7%
25.9%	2,287	2,466	179	7.8%
27.2%	2,156	2,305	148	6.9%
28.4%	2,091	2,227	136	6.5%
29.6%	2,000	2,083	83	4.1%
30.9%	2,000	2,048	48	2.4%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,886	1,973	86	4.6%
67.9%	1,750	1,828	78	4.5%
69.1%	1,750	1,841	91	5.2%
70.4%	1,632	1,750	118	7.2%
71.6%	1,595	1,750	155	9.7%
72.8%	1,583	1,750	167	10.5%
74.1%	1,532	1,750	218	14.3%
75.3%	1,515	1,750	235	15.5%
76.5%	1,442	1,562	120	8.3%
77.8%	1,428	1,505	77	5.4%
79.0%	1,409	1,411	2	0.1%
80.2%	1,388	1,269	-119	-8.6%
81.5%	1,371	1,266	-105	-7.6%
82.7%	1,286	1,226	-60	-4.6%
84.0%	1,205	1,134	-71	-5.9%
85.2%	1,196	1,034	-162	-13.5%
86.4%	1,184	1,024	-160	-13.6%
87.7%	884	1,022	138	15.6%
88.9%	800	953	153	19.1%
90.1%	800	921	121	15.1%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	519	517		

Table SW-27-3b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	32,184	32,177	-7	0.0%
1.2%	15,716	15,706	-10	0.0%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,467	0	0.0%
4.9%	13,432	13,432	0	0.0%
6.2%	13,208	13,193	-15	-0.1%
7.4%	12,534	12,437	-98	-0.8%
8.6%	12,386	12,386	0	0.0%
9.9%	11,429	11,418	-11	-0.1%
11.1%	11,154	11,154	0	0.0%
12.3%	10,888	10,888	0	0.0%
13.6%	10,509	10,509	0	0.0%
14.8%	10,034	10,031	-3	0.0%
16.0%	9,949	9,949	0	0.0%
17.3%	9,690	9,690	0	0.0%
18.5%	9,477	9,477	0	0.0%
19.8%	9,309	9,307	-2	0.0%
21.0%	8,067	8,140	73	0.9%
22.2%	7,930	8,067	136	1.7%
23.5%	7,769	7,930	161	2.1%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,117	-7	0.0%
27.2%	6,827	6,673	-154	-2.3%
28.4%	6,483	6,483	0	0.0%
29.6%	6,250	6,250	0	0.0%
30.9%	6,225	6,225	0	0.0%
32.1%	6,101	6,100	-1	0.0%
33.3%	5,552	5,480	-72	-1.3%
34.6%	5,484	5,328	-156	-2.8%
35.8%	5,328	5,317	-11	-0.2%
37.0%	5,317	4,980	-337	-6.3%
38.3%	4,844	4,844	0	0.0%
39.5%	4,835	4,593	-241	-5.0%
40.7%	4,593	4,593	-1	0.0%
42.0%	4,471	4,416	-56	-1.2%
43.2%	4,416	4,316	-99	-2.2%
44.4%	4,316	3,638	-708	-16.4%
45.7%	4,063	3,384	-680	-16.7%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,338	-52	-1.5%
49.4%	3,005	3,037	31	1.0%
50.6%	2,927	3,023	93	3.2%
51.9%	2,802	2,951	150	5.4%
53.1%	2,548	2,926	378	14.8%
54.3%	2,476	2,678	203	8.2%
55.6%	2,471	2,528	57	2.3%
56.8%	2,280	2,475	215	9.5%
58.0%	1,869	2,410	541	29.0%
59.3%	1,864	2,260	396	21.2%
60.5%	1,863	1,999	136	7.3%
61.7%	1,822	1,792	-30	-1.6%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,521	1,667	146	9.6%
70.4%	1,445	1,619	174	12.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,445	0	0.0%
82.7%	1,445	1,445	0	0.0%
84.0%	1,388	1,445	57	4.1%
85.2%	1,363	1,393	30	2.2%
86.4%	1,264	1,264	0	0.0%
87.7%	1,179	1,264	85	7.2%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,034	-61	-5.5%
91.4%	1,033	1,019	-14	-1.3%
92.6%	1,032	921	-111	-10.8%
93.8%	929	917	-12	-1.3%
95.1%	800	819	19	2.4%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	16,578	16,578	0	0.0%
1.2%	15,964	15,964	0	0.0%
2.5%	14,993	12,480	-487	-4.1%
3.7%	11,925	11,993	67	0.6%
4.9%	11,784	11,925	141	1.2%
6.2%	10,972	10,972	0	0.0%
7.4%	10,571	10,581	10	0.1%
8.6%	8,949	8,949	0	0.0%
9.9%	7,799	8,430	631	8.1%
11.1%	7,677	7,677	0	0.0%
12.3%	7,243	7,243	0	0.0%
13.6%	6,620	6,620	0	0.0%
14.8%	6,390	6,390	0	0.0%
16.0%	6,154	6,154	0	0.0%
17.3%	6,122	6,122	0	0.0%
18.5%	5,855	5,855	0	0.0%
19.8%	5,555	5,544	-10	-0.2%
21.0%	4,798	4,798	0	0.0%
22.2%	4,554	4,554	0	0.0%
23.5%	4,467	4,467	0	0.0%
24.7%	4,458	4,454	-4	-0.1%
25.9%	4,407	4,404	-3	0.0%
27.2%	4,379	4,367	-12	-0.3%
28.4%	4,336	4,336	0	0.0%
29.6%	4,178	4,178	0	0.0%
30.9%	4,113	4,113	0	0.0%
32.1%	4,073	4,064	-9	-0.2%
33.3%	3,927	3,924	-22	-0.6%
34.6%	3,725	3,725	0	0.0%
35.8%	3,649	3,649	0	0.0%
37.0%	3,442	3,442	0	0.0%
38.3%	3,429	3,429	0	0.0%
39.5%	3,399	3,399	0	0.0%
40.7%	3,295	3,295	0	0.0%
42.0%	3,101	3,167	66	2.1%
43.2%	3,100	3,108	8	0.3%
44.4%	3,022	3,026	4	0.1%
45.7%	2,979	2,986	7	0.2%
46.9%	2,932	2,932	0	0.0%
48.1%	2,618	2,617	-1	0.0%
49.4%	2,500	2,574	74	2.9%
50.6%	2,377	2,488	111	4.7%
51.9%	2,190	2,426	236	10.8%
53.1%	2,085	2,420	336	16.1%
54.3%	2,010	2,377	367	18.3%
55.6%	1,996	2,364	368	18.5%
56.8%	1,969	2,093	114	5.8%
58.0%	1,872	2,010	138	7.4%
59.3%	1,854	1,996	142	7.6%
60.5%	1,750	1,969	219	12.5%
61.7%	1,750	1,872	122	7.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,742	1,750	8	0.5%
69.1%	1,700	1,750	50	2.9%
70.4%	1,460	1,700	240	16.5%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,422	-23	-1.6%
75.3%	1,264	1,264	0	0.0%
76.5%	1,179	1,264	85	7.2%
77.8%	1,143	1,141	-2	-0.1%
79.0%	1,123	1,122	-1	-0.1%
80.2%	1,098	1,103	5	0.5%
81.5%	1,095	1,057	-38	-3.5%
82.7%	1,032	1,019	-13	-1.2%
84.0%	1,001	981	-19	-1.9%
85.2%	979	940	-39	-4.0%
86.4%	958	917	-41	-4.3%
87.7%	899	829	-70	-7.8%
88.9%	895	841	-54	-6.0%
90.1%	884	817	-67	-7.6%
91.4%	838	816	-22	-2.6%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	380	380	0	0.0%
100.0%	317	317	0	0.0%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	14,403	14,403	0	0.0%
1.2%	10,186	10,186	0	0.0%
2.5%	8,463	8,463	0	0.0%
3.7%	7,712	7,712	0	0.0%
4.9%	7,526	7,526	0	0.0%
6.2%	6,983	6,983	0	0.0%
7.4%	6,729	6,727	-2	0.0%
8.6%	6,683	6,683	0	0.0%
9.9%	6,561	6,561	0	0.0%
11.1%	6,327	6,327	0	0.0%
12.3%	6,325	6,325	0	0.0%
13.6%	5,990	5,990	0	0.0%
14.8%	5,835	5,835	0	0.0%
16.0%	5,594	5,594	0	0.0%
17.3%	5,400	5,400	0	0.0%
18.5%	5,201	5,201	0	0.0%
19.8%	5,050	5,049	-1	0.0%
21.0%	4,684	4,657	-27	-0.6%
22.2%	4,657	4,629	-28	-0.6%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,358	-149	-3.3%
25.9%	4,212	4,288	76	1.8%
27.2%	4,208	4,212	4	0.1%
28.4%	4,179	4,179	0	0.0%
29.6%	4,153	4,179	27	0.6%
30.9%	4,152	4,153	1	0.0%
32.1%	4,127	4,152	25	0.6%
33.3%	3,927	4,127	200	5.1%
34.6%	3,702	3,927	225	6.1%
35.8%	3,594	3,912	318	8.9%
37.0%	3,332	3,679	347	10.4%
38.3%	3,122	3,624	502	16.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,114	220	7.6%
42.0%	2,781	2,893	113	4.1%
43.2%	2,758	2,781	23	0.8%
44.4%	2,745	2,758	12	0.4%
45.7%	2,686	2,670	-16	-0.6%
46.9%	2,677	2,668	-9	-0.3%
48.1%	2,668	2,624	-45	-1.7%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,481	101	4.3%
51.9%	2,357	2,377	20	0.8%
53.1%	2,240	2,340	100	4.4%
54.3%	2,202	2,237	39	1.8%
55.6%	2,112	2,112	0	0.0%
56.8%	2,058	2,030	-27	-1.3%
58.0%	2,032	2,029	-3	0.0%
59.3%	1,926	2,018	92	4.8%
60.5%	1,873	1,926	53	2.8%
61.7%	1,754	1,758	4	0.2%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,731	1,700	-31	-1.8%
67.9%	1,720	1,692	-28	-1.6%
69.1%	1,700	1,634	-66	-3.9%
70.4%	1,637	1,580	-57	-3.5%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,398	-47	-3.3%
79.0%	1,388	1,379	-8	-0.6%
80.2%	1,386	1,313	-73	-5.3%
81.5%	1,319	1,284	-33	-4.0%
82.7%	1,264	1,236	-28	-2.2%
84.0%	1,179	1,141	-38	-3.2%
85.2%	1,143	1,103	-40	-3.5%
86.4%	1,098	1,057	-41	-3.8%
87.7%	1,088	1,041	-47	-4.3%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	0.0%
91.4%	958	1,000	42	4.4%
92.6%	929	981	52	5.6%
93.8%	895	970	76	8.5%
95.1%	884	984	100	11.3%
96.3%	800	917	117	14.6%
97.5%	800	856	56	7.0%
98.8%	800	800	0	0.0%
100.0%	357	508	151	42.3%</

Table SW-27-3b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	14,137	14,137	0	0.0%
1.2%	10,879	10,879	0	0.0%
2.5%	10,224	10,224	0	0.0%
3.7%	10,211	10,211	0	0.0%
4.9%	10,121	10,121	0	0.0%
6.2%	9,050	9,050	0	0.0%
7.4%	8,579	8,579	0	0.0%
8.6%	7,451	7,451	0	0.0%
9.9%	6,988	6,988	0	0.0%
11.1%	6,353	6,353	0	0.0%
12.3%	6,026	6,026	0	0.0%
13.6%	6,019	6,019	0	0.0%
14.8%	5,804	5,804	0	0.0%
16.0%	5,597	5,597	0	0.0%
17.3%	5,094	5,079	-15	-0.3%
18.5%	5,079	5,059	-20	-0.4%
19.8%	5,000	5,000	0	0.0%
21.0%	4,834	5,000	166	3.4%
22.2%	4,781	4,730	-51	-1.1%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,476	-124	-2.7%
27.2%	4,595	4,390	-205	-4.5%
28.4%	4,133	4,244	111	2.7%
29.6%	3,950	4,132	182	4.6%
30.9%	3,918	3,807	-111	-2.8%
32.1%	3,907	3,364	-543	-13.9%
33.3%	3,802	3,290	-513	-13.5%
34.6%	3,433	3,169	-264	-7.7%
35.8%	3,364	3,148	-216	-6.4%
37.0%	3,168	2,994	-174	-5.5%
38.3%	3,047	2,971	-76	-2.5%
39.5%	3,004	2,959	-46	-1.5%
40.7%	2,994	2,952	-41	-1.4%
42.0%	2,952	2,900	-53	-1.8%
43.2%	2,906	2,875	-31	-1.1%
44.4%	2,930	2,745	-185	-6.3%
45.7%	2,810	2,607	-203	-7.2%
46.9%	2,764	2,600	-164	-5.9%
48.1%	2,746	2,596	-150	-5.5%
49.4%	2,723	2,521	-202	-7.4%
50.6%	2,673	2,480	-193	-7.2%
51.9%	2,630	2,452	-178	-6.8%
53.1%	2,605	2,422	-183	-7.0%
54.3%	2,521	2,250	-271	-10.8%
55.6%	2,470	2,187	-283	-11.5%
56.8%	2,465	2,159	-306	-12.4%
58.0%	2,374	2,124	-250	-10.5%
59.3%	2,311	2,099	-212	-9.2%
60.5%	2,256	2,029	-227	-10.1%
61.7%	2,238	2,009	-229	-10.2%
63.0%	2,158	2,001	-157	-7.3%
64.2%	2,099	1,963	-136	-6.5%
65.4%	2,009	1,961	-48	-2.4%
66.7%	1,972	1,955	-17	-0.9%
67.9%	1,752	1,828	76	4.3%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,750	1,750	0	0.0%
79.0%	1,750	1,750	0	0.0%
80.2%	1,750	1,750	0	0.0%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,750	76	4.5%
84.0%	1,488	1,750	262	17.6%
85.2%	1,452	1,619	168	11.6%
86.4%	1,312	1,559	246	18.8%
87.7%	1,257	1,541	284	22.6%
88.9%	1,211	1,486	276	22.8%
90.1%	1,145	1,344	199	17.4%
91.4%	1,073	1,119	46	4.3%
92.6%	1,060	1,023	-37	-3.5%
93.8%	980	1,000	20	2.0%
95.1%	964	981	17	1.8%
96.3%	743	952	209	28.1%
97.5%	743	812	69	9.2%
98.8%	599	688	90	15.0%
100.0%	357	659	302	84.5%

Percent Exceedance Probability	July		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,079	38	0.8%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	5,000	0	0.0%
13.6%	5,000	4,709	-291	-5.8%
14.8%	5,000	4,595	-405	-8.1%
16.0%	5,000	4,338	-662	-13.2%
17.3%	5,000	4,316	-684	-13.7%
18.5%	5,000	4,313	-687	-13.7%
19.8%	5,000	4,295	-705	-14.1%
21.0%	5,000	4,241	-759	-15.2%
22.2%	5,000	4,235	-765	-15.3%
23.5%	5,000	4,215	-785	-15.7%
24.7%	5,000	4,107	-893	-17.9%
25.9%	5,000	4,101	-899	-18.0%
27.2%	5,000	4,094	-906	-18.1%
28.4%	5,000	4,091	-909	-18.2%
29.6%	5,000	4,073	-927	-18.5%
30.9%	5,000	3,885	-1,115	-22.3%
32.1%	4,980	3,979	-1,001	-20.1%
33.3%	4,806	3,864	-941	-19.6%
34.6%	4,728	3,792	-936	-19.8%
35.8%	4,677	3,744	-933	-19.9%
37.0%	4,652	3,694	-958	-20.6%
38.3%	4,600	3,571	-1,029	-22.4%
39.5%	4,595	3,520	-1,074	-23.4%
40.7%	4,572	3,292	-1,280	-28.0%
42.0%	4,539	3,289	-1,249	-27.5%
43.2%	4,495	3,159	-1,296	-28.6%
44.4%	4,117	3,103	-1,014	-24.6%
45.7%	4,073	3,096	-1,041	-25.6%
46.9%	3,937	3,078	-858	-21.8%
48.1%	3,930	3,041	-890	-22.6%
49.4%	3,864	2,992	-873	-22.6%
50.6%	3,802	2,972	-830	-21.8%
51.9%	3,616	2,967	-649	-17.9%
53.1%	3,572	2,947	-626	-17.5%
54.3%	3,571	2,880	-691	-19.4%
55.6%	3,399	2,861	-537	-15.8%
56.8%	3,393	2,832	-560	-16.5%
58.0%	3,295	2,810	-485	-14.7%
59.3%	3,217	2,806	-411	-12.8%
60.5%	3,114	2,792	-322	-10.3%
61.7%	3,107	2,788	-320	-10.3%
63.0%	3,098	2,750	-348	-11.2%
64.2%	3,030	2,750	-280	-9.2%
65.4%	3,017	2,750	-267	-8.9%
66.7%	2,982	2,750	-232	-7.8%
67.9%	2,967	2,750	-217	-7.3%
69.1%	2,947	2,745	-201	-6.8%
70.4%	2,897	2,724	-172	-5.9%
71.6%	2,868	2,703	-165	-5.7%
72.8%	2,810	2,666	-144	-5.1%
74.1%	2,798	2,578	-210	-7.5%
75.3%	2,775	2,576	-199	-7.2%
76.5%	2,724	2,564	-160	-5.9%
77.8%	2,687	2,532	-156	-5.8%
79.0%	2,666	2,512	-154	-5.8%
80.2%	2,564	2,467	-97	-3.8%
81.5%	2,498	2,250	-248	-9.9%
82.7%	2,447	2,250	-197	-8.0%
84.0%	2,136	2,250	114	5.3%
85.2%	2,122	1,975	-147	-6.9%
86.4%	1,915	1,909	-6	-0.3%
87.7%	1,818	1,725	-93	-5.1%
88.9%	1,695	1,582	-113	-6.6%
90.1%	1,683	1,540	-143	-8.5%
91.4%	1,605	1,502	-103	-6.4%
92.6%	1,461	1,467	6	0.4%
93.8%	1,083	1,464	381	34.9%
95.1%	856	1,458	602	70.3%
96.3%	811	1,407	596	73.5%
97.5%	745	1,175	430	57.7%
98.8%	496	838	342	68.0%
100.0%	362	322	-40	-11.0%

Percent Exceedance Probability	August		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	4,457	4,457	0	0.0%
1.2%	4,354	4,368	14	0.3%
2.5%	4,266	4,271	6	0.1%
3.7%	4,256	4,256	0	0.0%
4.9%	4,130	4,241	111	2.7%
6.2%	4,081	4,130	49	1.2%
7.4%	4,049	4,081	31	0.8%
8.6%	4,024	4,049	25	0.6%
9.9%	4,017	4,017	0	0.0%
11.1%	4,014	4,014	0	0.0%
12.3%	3,982	3,982	0	0.0%
13.6%	3,977	3,977	0	0.0%
14.8%	3,972	3,972	0	0.0%
16.0%	3,892	3,892	0	0.0%
17.3%	3,823	3,862	39	1.0%
18.5%	3,679	3,869	111	3.0%
19.8%	3,653	3,616	-37	-1.0%
21.0%	3,475	3,586	111	3.2%
22.2%	3,445	3,533	89	2.6%
23.5%	3,405	3,490	85	2.5%
24.7%	3,402	3,464	61	1.8%
25.9%	3,407	3,437	30	0.9%
27.2%	3,264	3,371	107	3.3%
28.4%	3,244	3,320	75	2.3%
29.6%	3,222	3,314	92	2.9%
30.9%	3,163	3,189	26	0.8%
32.1%	3,156	3,181	25	0.8%
33.3%	2,964	3,155	191	6.5%
34.6%	2,908	3,129	222	7.6%
35.8%	2,906	3,083	177	6.1%
37.0%	2,849	3,031	182	6.4%
38.3%	2,824	3,002	178	6.3%
39.5%	2,762	3,001	239	8.6%
40.7%	2,680	2,963	283	10.6%
42.0%	2,674	2,944	269	10.1%
43.2%	2,671	2,942	271	10.1%
44.4%	2,664	2,934	271	10.2%
45.7%	2,637	2,897	261	9.9%
46.9%	2,589	2,893	304	11.7%
48.1%	2,497	2,820	323	12.9%
49.4%	2,494	2,797	303	12.1%
50.6%	2,428	2,738	317	13.1%
51.9%	2,378	2,726	348	14.6%
53.1%	2,364	2,699	335	14.2%
54.3%	2,352	2,646	295	12.5%
55.6%	2,339	2,560	222	9.5%
56.8%	2,308	2,559	251	10.9%
58.0%	2,305	2,496	191	8.3%
59.3%	2,286	2,250	-36	-1.6%
60.5%	2,249	2,250	1	0.0%
61.7%	2,232	2,250	18	0.8%
63.0%	2,133	2,050	-84	-3.9%
64.2%	1,997	2,000	3	0.2%
65.4%	1,979	2,000	21	1.1%
66.7%	1,910	2,000	90	4.7%
67.9%	1,902	1,905	3	0.2%
69.1%	1,750	1,887	137	7.8%
70.4%	1,750	1,871	121	6.9%
71.6%	1,750	1,826	76	4.4%
72.8%	1,750	1,826	76	4.3%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,645	1,750	105	6.4%
79.0%	1,459	1,711	253	17.3%
80.2%	1,353	1,642	289	21.4%
81.5%	1,339	1,584	245	18.3%
82.7%	1,312	1,543	230	17.6%
84.0%	1,288	1,529	242	18.8%
85.2%	1,263	1,412	149	11.8%
86.4%	1,190	1,397	207	17.4%
87.7%	982	1,357	375	38.2%
88.9%	980	1,257	277	28.2%
90.1%	965	1,249	285	29.5%
91.4%	964	1,141	177	18.4%
92.6%	899	1,093	194	21.6%
9				

Table SW-28-3a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	1,428	2,683	3,197	4,293	4,976	3,597	3,175	3,387	3,446	3,562	2,422	2,608
Alternative A	1,490	2,672	3,291	4,330	4,978	3,642	3,204	3,405	3,404	3,146	2,555	2,610
Difference	62	-10	94	38	2	45	29	19	-42	-416	133	2
Percent Difference ³	4.4%	-0.4%	2.9%	0.9%	0.0%	1.2%	0.9%	0.5%	-1.2%	-11.7%	5.5%	0.1%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,549	3,837	3,536	8,529	8,989	5,930	5,094	5,875	5,677	3,800	3,186	4,214
Alternative A	1,705	3,817	3,623	8,601	8,993	5,928	5,093	5,875	5,697	3,507	3,328	3,952
Difference	156	-20	86	72	3	-1	0	0	19	-294	142	-262
Percent Difference	10.1%	-0.5%	2.4%	0.8%	0.0%	0.0%	0.0%	0.0%	0.3%	-7.7%	4.5%	-6.2%
Above Normal (15%)												
No Action Alternative	1,452	2,680	2,828	4,450	6,113	5,236	3,365	3,575	3,174	4,339	2,546	3,015
Alternative A	1,458	2,672	2,978	4,612	6,164	5,293	3,361	3,572	3,096	3,838	2,730	2,959
Difference	5	-8	150	162	51	57	-4	-3	-78	-500	184	-56
Percent Difference	0.4%	-0.3%	5.3%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.4%	-11.5%	7.2%	-1.9%
Below Normal (17%)												
No Action Alternative	1,584	3,292	3,906	2,204	4,067	2,307	2,906	2,729	2,563	4,764	2,307	1,989
Alternative A	1,710	3,401	3,959	2,271	3,983	2,300	3,044	2,782	2,533	3,541	2,562	2,490
Difference	127	109	53	67	-84	-7	139	53	-30	-1,223	255	501
Percent Difference	8.0%	3.3%	1.4%	3.1%	-2.1%	-0.3%	4.8%	2.0%	-1.2%	-25.7%	11.0%	25.2%
Dry (22%)												
No Action Alternative	1,378	1,709	3,965	1,647	1,704	1,947	1,840	1,651	2,307	3,186	2,232	1,524
Alternative A	1,365	1,683	4,147	1,576	1,740	2,070	1,753	1,679	2,305	2,927	2,117	1,579
Difference	-14	-26	182	-71	36	123	-87	28	-2	-259	-115	55
Percent Difference	-1.0%	-1.5%	4.6%	-4.3%	2.1%	6.3%	-4.7%	1.7%	-0.1%	-8.1%	-5.2%	3.6%
Critical (15%)												
No Action Alternative	1,034	933	852	1,363	1,111	882	1,145	1,178	1,621	1,433	1,059	1,067
Alternative A	988	827	819	1,329	1,112	958	1,316	1,205	1,407	1,539	1,354	1,039
Difference	-46	-107	-33	-34	2	76	171	27	-214	107	295	-28
Percent Difference	-4.5%	-11.4%	-3.8%	-2.5%	0.1%	8.6%	15.0%	2.3%	-13.2%	7.5%	27.8%	-2.6%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

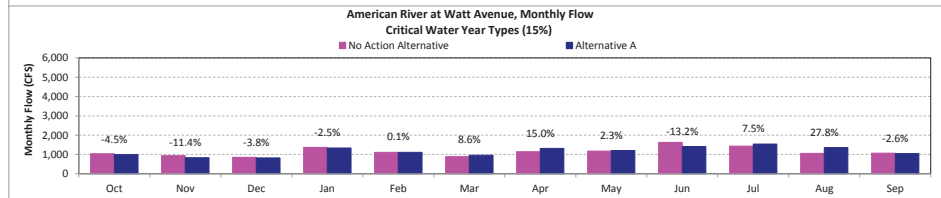
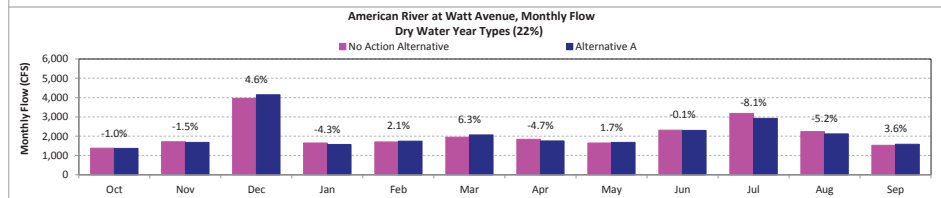
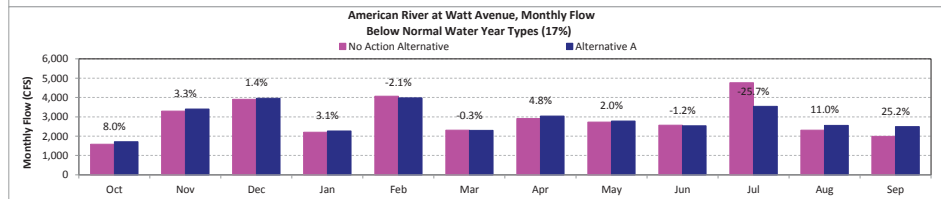
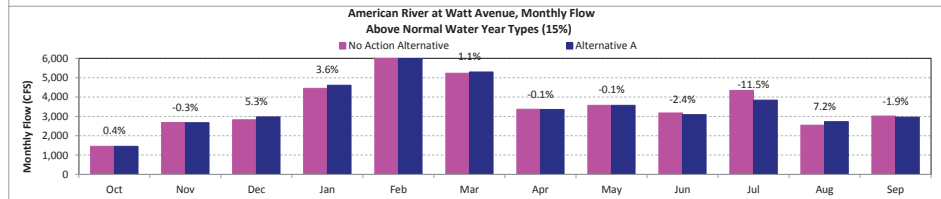
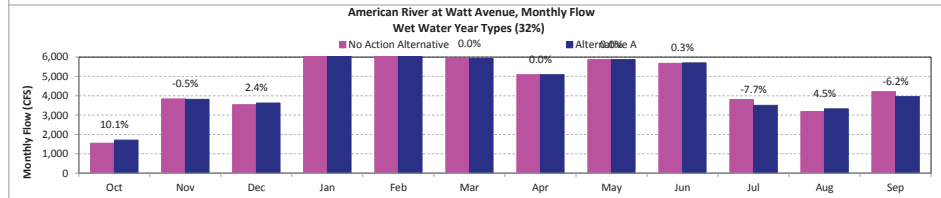
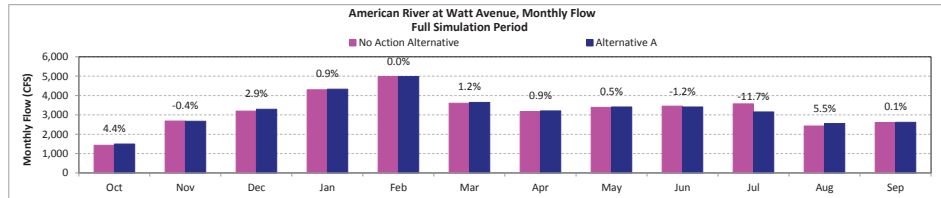


Figure SW-28-3b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

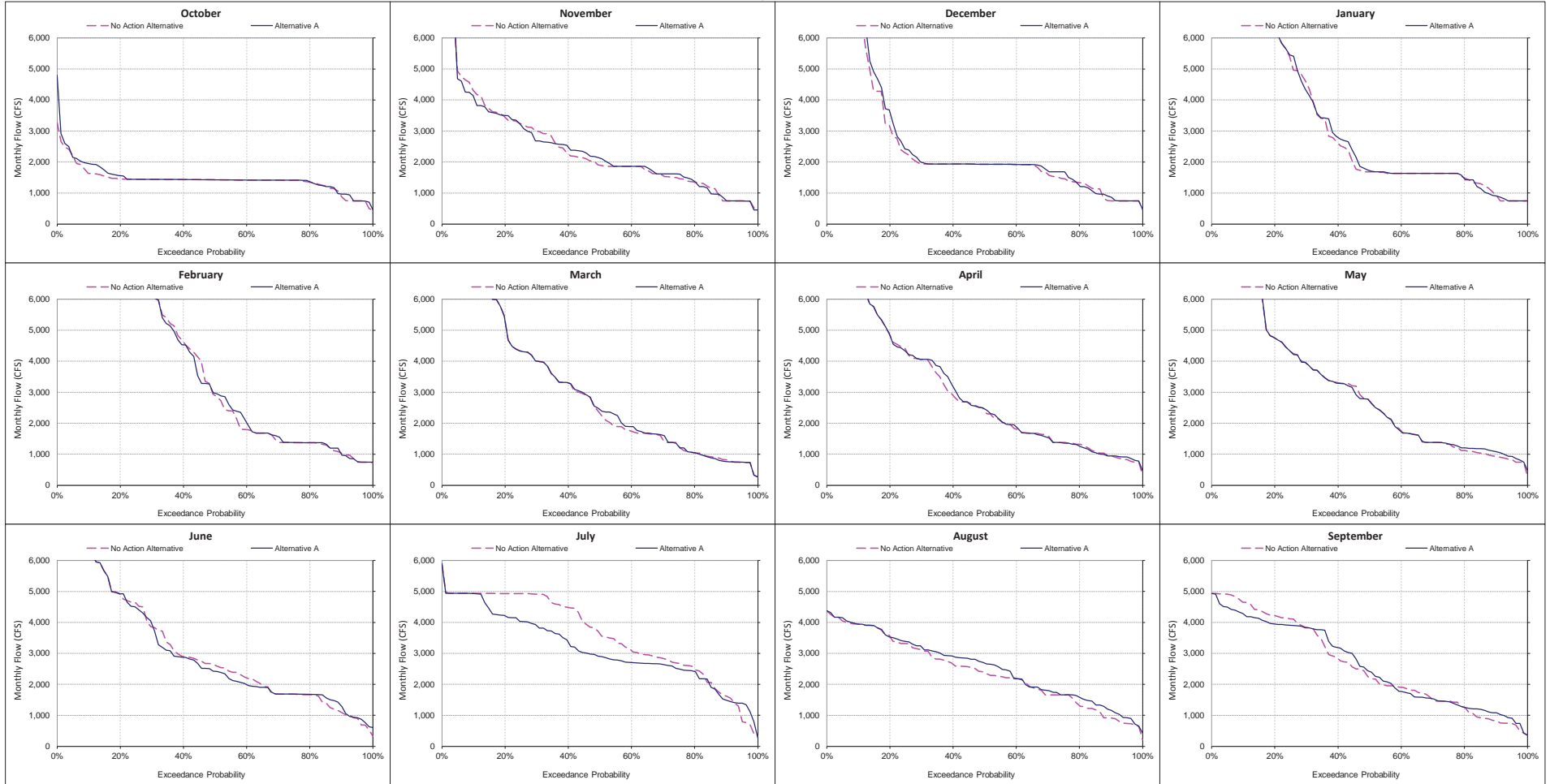


Table SW-28-3b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	4,801	1,530	46.8%
1.2%	2,666	2,919	252	9.5%
2.5%	2,480	2,598	117	4.7%
3.7%	2,414	2,498	84	3.5%
4.9%	2,202	2,150	-52	-2.3%
6.2%	1,948	2,114	166	8.5%
7.4%	1,917	2,031	115	6.0%
8.6%	1,776	1,979	203	11.4%
9.9%	1,629	1,948	319	19.6%
11.1%	1,623	1,927	304	18.7%
12.3%	1,617	1,922	305	18.9%
13.6%	1,589	1,843	254	16.0%
14.8%	1,549	1,751	202	13.0%
16.0%	1,518	1,644	127	8.3%
17.3%	1,477	1,609	132	8.9%
18.5%	1,476	1,587	111	7.5%
19.8%	1,452	1,555	102	7.1%
21.0%	1,450	1,547	97	6.7%
22.2%	1,448	1,442	-6	-0.4%
23.5%	1,447	1,442	-4	-0.3%
24.7%	1,446	1,441	-5	-0.3%
25.9%	1,439	1,441	1	0.1%
27.2%	1,439	1,440	1	0.1%
28.4%	1,439	1,439	0	0.0%
29.6%	1,439	1,439	-1	0.0%
30.9%	1,438	1,438	0	0.0%
32.1%	1,437	1,438	1	0.1%
33.3%	1,437	1,438	1	0.1%
34.6%	1,436	1,438	2	0.1%
35.8%	1,436	1,437	1	0.1%
37.0%	1,436	1,436	1	0.1%
38.3%	1,436	1,436	0	0.0%
39.5%	1,435	1,435	1	0.0%
40.7%	1,434	1,434	0	0.0%
42.0%	1,433	1,434	1	0.1%
43.2%	1,433	1,433	1	0.0%
44.4%	1,432	1,432	0	0.0%
45.7%	1,430	1,432	2	0.1%
46.9%	1,429	1,431	1	0.1%
48.1%	1,428	1,426	-2	-0.2%
49.4%	1,428	1,425	-3	-0.2%
50.6%	1,428	1,424	-4	-0.3%
51.9%	1,427	1,424	-3	-0.2%
53.1%	1,426	1,424	-2	-0.2%
54.3%	1,424	1,422	-2	-0.1%
55.6%	1,421	1,419	-2	-0.2%
56.8%	1,419	1,419	0	0.0%
58.0%	1,418	1,419	1	0.0%
59.3%	1,417	1,419	2	0.1%
60.5%	1,416	1,418	2	0.2%
61.7%	1,416	1,418	3	0.2%
63.0%	1,416	1,417	2	0.1%
64.2%	1,416	1,417	2	0.1%
65.4%	1,415	1,417	2	0.1%
66.7%	1,415	1,417	2	0.1%
67.9%	1,415	1,416	1	0.1%
69.1%	1,414	1,416	1	0.1%
70.4%	1,412	1,415	4	0.3%
71.6%	1,410	1,415	6	0.4%
72.8%	1,409	1,415	6	0.4%
74.1%	1,409	1,414	5	0.4%
75.3%	1,409	1,413	5	0.3%
76.5%	1,409	1,412	4	0.3%
77.8%	1,385	1,411	26	1.9%
79.0%	1,364	1,409	45	3.3%
80.2%	1,350	1,350	0	0.0%
81.5%	1,332	1,300	-32	-2.4%
82.7%	1,285	1,257	-28	-2.2%
84.0%	1,244	1,240	-4	-0.3%
85.2%	1,227	1,210	-16	-1.3%
86.4%	1,153	1,205	52	4.5%
87.7%	1,138	1,170	31	2.7%
88.9%	1,064	983	-82	-7.7%
90.1%	872	967	96	11.0%
91.4%	749	966	217	28.9%
92.6%	748	936	188	25.1%
93.8%	749	749	0	0.0%
95.1%	745	745	0	0.0%
96.3%	745	743	-2	-0.2%
97.5%	739	741	2	0.2%
98.8%	492	700	208	42.3%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	16,808	-583	-3.4%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	7,317	585	8.7%
4.9%	4,937	4,686	-252	-5.1%
6.2%	4,759	4,605	-154	-3.2%
7.4%	4,652	4,257	-395	-8.5%
8.6%	4,571	4,248	-323	-7.1%
9.9%	4,317	4,144	-173	-4.0%
11.1%	4,169	3,824	-345	-8.3%
12.3%	4,139	3,816	-324	-7.8%
13.6%	3,924	3,775	-149	-3.8%
14.8%	4,724	3,618	-1,106	-23.4%
16.0%	3,618	3,593	-25	-0.7%
17.3%	3,605	3,572	-32	-0.9%
18.5%	3,558	3,514	-44	-1.2%
19.8%	3,470	3,505	35	1.0%
21.0%	3,344	3,491	147	4.4%
22.2%	3,344	3,366	22	0.7%
23.5%	3,315	3,354	39	1.2%
24.7%	3,241	3,235	-7	-0.2%
25.9%	3,187	3,078	-109	-3.4%
27.2%	2,902	2,988	86	2.9%
28.4%	3,114	2,951	-163	-5.2%
29.6%	2,995	2,685	-310	-10.4%
30.9%	2,882	2,683	-199	-6.9%
32.1%	2,913	2,651	-262	-9.0%
33.3%	2,911	2,636	-275	-9.4%
34.6%	2,846	2,622	-224	-7.9%
35.8%	2,622	2,588	-34	-1.3%
37.0%	2,480	2,568	88	3.5%
38.3%	2,457	2,564	107	4.3%
39.5%	2,301	2,539	238	10.3%
40.7%	2,198	2,383	185	8.4%
42.0%	2,183	2,383	199	9.1%
43.2%	2,153	2,352	200	9.3%
44.4%	2,144	2,343	200	9.3%
45.7%	2,100	2,288	188	8.9%
46.9%	2,037	2,182	145	7.1%
48.1%	2,036	2,181	145	7.1%
49.4%	1,906	2,144	237	12.4%
50.6%	1,882	2,100	218	11.6%
51.9%	1,862	2,016	153	8.2%
53.1%	1,862	1,955	93	5.0%
54.3%	1,822	1,862	40	2.2%
55.6%	1,862	1,862	0	0.0%
56.8%	1,862	1,862	0	0.0%
58.0%	1,862	1,862	0	0.0%
59.3%	1,862	1,862	0	0.0%
60.5%	1,862	1,860	-2	-0.1%
61.7%	1,861	1,859	-2	-0.1%
63.0%	1,855	1,857	2	0.1%
64.2%	1,752	1,856	103	5.9%
65.4%	1,708	1,793	84	4.9%
66.7%	1,621	1,708	88	5.4%
67.9%	1,621	1,621	0	0.0%
69.1%	1,621	1,621	0	0.0%
70.4%	1,534	1,621	87	5.7%
71.6%	1,526	1,621	94	6.2%
72.8%	1,507	1,621	113	7.5%
74.1%	1,498	1,621	122	8.2%
75.3%	1,480	1,607	147	10.0%
76.5%	1,448	1,520	71	4.9%
77.8%	1,380	1,483	103	7.4%
79.0%	1,366	1,441	75	5.5%
80.2%	1,347	1,349	2	0.1%
81.5%	1,326	1,208	-118	-8.9%
82.7%	1,310	1,206	-104	-7.9%
84.0%	1,225	1,166	-59	-4.8%
85.2%	1,145	976	-169	-14.8%
86.4%	1,136	966	-170	-15.0%
87.7%	924	967	40	4.3%
88.9%	747	859	113	15.1%
90.1%	747	747	0	0.0%
91.4%	747	747	0	0.0%
92.6%	746	747	0	0.0%
93.8%	746	746	0	0.0%
95.1%	746	743	-4	-0.5%
96.3%	744	739	-5	-0.7%
97.5%	741	736	-5	-0.7%
98.8%	519	456	-63	-12.2%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	20,144	400	2.0%
1.2%	16,465	17,031	566	3.2%
2.5%	15,763	16,500	737	4.7%
3.7%	15,639	15,639	0	0.0%
4.9%	13,766	13,762	-4	0.0%
6.2%	12,796	13,238	441	3.4%
7.4%	8,951	8,951	0	0.0%
8.6%	8,725	8,711	-13	-0.2%
9.9%	7,121	7,116	-5	-0.1%
11.1%	6,581	6,581	0	0.0%
12.3%	5,653	6,297	644	11.4%
13.6%	5,003	5,254	250	5.0%
14.8%	4,295	4,906	611	14.2%
16.0%	4,278	4,673	395	9.2%
17.3%	4,278	4,400	123	2.9%
18.5%	3,241	3,723	482	14.9%
19.8%	3,201	3,678	477	14.9%
21.0%	3,207	3,230	403	14.3%
22.2%	2,764	2,827	64	2.3%
23.5%	2,392	2,665	273	11.4%
24.7%	2,307	2,420	113	4.9%
25.9%	2,225	2,385	160	7.2%
27.2%	2,092	2,239	147	7.0%
28.4%	2,011	2,156	145	7.2%
29.6%	1,936	2,005	70	3.6%
30.9%	1,936	1,959	23	1.2%
32.1%	1,936	1,936	0	0.0%
33.3%	1,936	1,936	0	0.0%
34.6%	1,936	1,936	0	0.0%
35.8%	1,936	1,936	0	0.0%
37.0%	1,936	1,936	0	0.0%
38.3%	1,936	1,936	0	0.0%
39.5%	1,935	1,936	0	0.0%
40.7%	1,934	1,935	1	0.0%
42.0%	1,934	1,933	-1	0.0%
43.2%	1,933	1,933	-1	0.0%
44.4%	1,933	1,932	-1	-0.1%
45.7%	1,933	1,931	-2	-0.1%
46.9%	1,933	1,931	-2	-0.1%
48.1%	1,930	1,931	1	0.0%
49.4%	1,926	1,929	3	0.2%
50.6%	1,928	1,929	3	0.2%
51.9%	1,926	1,929	3	0.2%
53.1%	1,925	1,929	4	0.2%
54.3%	1,924	1,928	4	0.2%
55.6%	1,923	1,928	5	0.3%
56.8%	1,923	1,928	3	0.1%
58.0%	1,923	1,924	1	0.0%
59.3%	1,923	1,921	-2	-0.1%
60.5%	1,921	1,921	0	0.0%
61.7%	1,921	1,921	0	0.0%
63.0%	1,914	1,920	6	0.3%
64.2%	1,911	1,919	8	0.4%
65.4%	1,909	1,915	6	0.3%
66.7%	1,823	1,902	79	4.4%
67.9%	1,688	1,864	177	10.5%
69.1%	1,682	1,778	96	5.7%
70.4%	1,570	1,688	118	7.5%
71.6%	1,534	1,688	154	10.0%
72.8%	1,522	1,688	166	10.9%
74.1%	1,471	1,688	217	14.8%
75.3%	1,454	1,688	233	16.0%
76.5%	1,382	1,501	119	8.6%
77.8%	1,368	1,445	76	5.6%
79.0%	1,349	1,351	2	0.1%
80.2%	1,328	1,210	-118	-8.9%
81.5%	1,312	1,208	-104	-7.9%
82.7%	1,227	1,168	-59	-4.8%
84.0%	1,147	1,073	-74	-6.5%
85.2%	1,138	976	-160	-14.1%
86.4%	1,133	968	-165	-14.6%
87.7%	820	966	147	17.9%
88.9%	754	901	147	19.5%
90.1%	748	867	118	15.8%
91.4%	748	754	6	0.8%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	745	748	4	0.5%
100.0%	472	472	0	0.0%

Table SW-28-3b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,089	-14	0.0%
1.2%	15,587	15,578	-7	0.0%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,361	0	0.0%
4.9%	13,346	13,345	-1	0.0%
6.2%	12,991	12,977	-15	-0.1%
7.4%	12,491	12,483	-8	-0.0%
8.6%	12,260	12,260	0	0.0%
9.9%	11,338	11,326	-11	-0.1%
11.1%	11,083	11,075	-9	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,431	0	0.0%
14.8%	9,957	9,951	-6	-0.1%
16.0%	9,808	9,808	0	0.0%
17.3%	9,611	9,611	0	0.0%
18.5%	9,342	9,343	0	0.0%
19.8%	9,113	9,102	-12	-0.1%
21.0%	7,917	8,075	158	2.0%
22.2%	7,829	7,917	88	1.1%
23.5%	7,702	7,824	122	1.6%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,975	-7	-0.1%
27.2%	6,760	6,606	-154	-2.3%
28.4%	6,176	6,176	0	0.0%
29.6%	6,053	6,054	0	0.0%
30.9%	6,040	6,039	-1	0.0%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,400	-94	-1.7%
34.6%	5,414	5,219	-195	-3.6%
35.8%	5,219	5,140	-80	-1.5%
37.0%	5,139	4,968	-172	-3.3%
38.3%	4,923	4,800	-123	-2.5%
39.5%	4,690	4,535	-155	-3.3%
40.7%	4,523	4,523	-1	0.0%
42.0%	4,402	4,300	-103	-2.3%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,539	-612	-14.7%
45.7%	3,994	3,286	-709	-17.7%
46.9%	3,354	3,281	-73	-2.2%
48.1%	3,292	3,268	-24	-0.7%
49.4%	2,939	2,981	43	1.5%
50.6%	2,858	2,952	93	3.3%
51.9%	2,732	2,883	150	5.5%
53.1%	2,447	2,857	410	16.8%
54.3%	2,402	2,609	207	8.6%
55.6%	2,398	2,427	29	1.2%
56.8%	2,142	2,388	246	11.5%
58.0%	1,806	2,351	545	30.2%
59.3%	1,800	2,141	341	18.9%
60.5%	1,795	1,930	135	7.5%
61.7%	1,753	1,723	-30	-1.7%
63.0%	1,683	1,683	0	0.0%
64.2%	1,680	1,680	0	0.0%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,680	0	0.0%
67.9%	1,626	1,626	0	0.0%
69.1%	1,466	1,598	132	9.0%
70.4%	1,378	1,550	171	12.4%
71.6%	1,378	1,378	0	0.0%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,378	2	0.2%
75.3%	1,376	1,376	0	0.0%
76.5%	1,376	1,376	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,376	0	0.0%
82.7%	1,358	1,376	18	1.4%
84.0%	1,322	1,371	49	3.7%
85.2%	1,295	1,325	30	2.3%
86.4%	1,197	1,200	2	0.2%
87.7%	1,197	1,197	0	0.0%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	974	-58	-5.6%
91.4%	978	957	-20	-2.1%
92.6%	968	861	-107	-11.1%
93.8%	866	854	-12	-1.4%
95.1%	745	745	0	0.0%
96.3%	743	745	2	0.3%
97.5%	743	743	0	0.0%
98.8%	743	743	0	0.0%
100.0%	730	743	13	1.8%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,489	16,489	0	0.0%
1.2%	15,808	15,808	0	0.0%
2.5%	11,883	12,417	535	4.5%
3.7%	11,721	11,882	161	1.4%
4.9%	11,644	11,644	0	0.0%
6.2%	10,839	10,839	0	0.0%
7.4%	10,421	10,442	10	0.1%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,379	631	8.1%
11.1%	7,493	7,493	0	0.0%
12.3%	7,142	7,142	0	0.0%
13.6%	6,485	6,485	0	0.0%
14.8%	6,223	6,223	0	0.0%
16.0%	5,997	5,998	1	0.0%
17.3%	5,992	5,992	0	0.0%
18.5%	5,770	5,770	0	0.0%
19.8%	5,467	5,467	-10	-0.2%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,483	-2	0.0%
23.5%	4,395	4,391	-4	-0.1%
24.7%	4,335	4,327	-8	-0.2%
25.9%	4,302	4,302	0	0.0%
27.2%	4,296	4,288	-8	-0.2%
28.4%	4,193	4,193	0	0.0%
29.6%	4,063	4,013	-50	-1.2%
30.9%	3,999	3,990	-9	-0.2%
32.1%	3,968	3,968	0	0.0%
33.3%	3,865	3,847	-18	-0.6%
34.6%	3,607	3,607	0	0.0%
35.8%	3,487	3,488	0	0.0%
37.0%	3,326	3,326	0	0.0%
38.3%	3,320	3,320	0	0.0%
39.5%	3,314	3,314	0	0.0%
40.7%	3,273	3,272	-1	0.0%
42.0%	3,023	3,090	67	2.2%
43.2%	3,006	3,050	44	1.5%
44.4%	2,964	3,000	36	1.2%
45.7%	2,909	2,916	7	0.2%
46.9%	2,838	2,838	0	0.0%
48.1%	2,558	2,557	-1	0.0%
49.4%	2,399	2,486	86	3.6%
50.6%	2,243	2,387	144	6.4%
51.9%	2,094	2,366	272	13.0%
53.1%	2,028	2,366	338	16.6%
54.3%	1,905	2,302	397	20.9%
55.6%	1,894	2,243	349	18.4%
56.8%	1,889	2,009	120	6.4%
58.0%	1,794	1,900	106	5.9%
59.3%	1,771	1,891	120	6.8%
60.5%	1,721	1,889	169	9.8%
61.7%	1,683	1,771	87	5.2%
63.0%	1,682	1,734	52	3.1%
64.2%	1,681	1,683	2	0.1%
65.4%	1,657	1,681	24	1.5%
66.7%	1,648	1,657	9	0.6%
67.9%	1,638	1,648	10	0.6%
69.1%	1,602	1,638	35	2.2%
70.4%	1,397	1,603	206	14.7%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,383	-2	-0.1%
74.1%	1,381	1,360	-22	-1.6%
75.3%	1,206	1,206	0	0.0%
76.5%	1,121	1,206	85	7.6%
77.8%	1,083	1,081	-2	-0.2%
79.0%	1,063	1,062	-1	-0.1%
80.2%	1,039	1,044	5	0.5%
81.5%	1,038	997	-41	-3.9%
82.7%	976	1,063	87	8.9%
84.0%	940	921	-19	-2.1%
85.2%	918	880	-38	-4.2%
86.4%	898	863	-35	-3.9%
87.7%	875	805	-70	-8.0%
88.9%	832	778	-54	-6.4%
90.1%	820	759	-60	-7.4%
91.4%	777	757	-20	-2.6%
92.6%	748	755	7	0.9%
93.8%	748	748	0	0.0%
95.1%	740	748	8	1.1%
96.3%	740	740	0	0.0%
97.5%	737	737	0	0.0%
98.8%	328	328	0	0.0%
100.0%	265	265	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,286	14,286	0	0.0%
1.2%	10,078	10,078	0	0.0%
2.5%	8,359	8,359	0	0.0%
3.7%	7,564	7,564	0	0.0%
4.9%	7,437	7,437	0	0.0%
6.2%	6,784	6,784	0	0.0%
7.4%	6,675	6,675	-1	0.0%
8.6%	6,497	6,497	0	0.0%
9.9%	6,490	6,490	0	0.0%
11.1%	6,245	6,245	0	0.0%
12.3%	6,197	6,197	0	0.0%
13.6%	5,846	5,846	0	0.0%
14.8%	5,765	5,765	0	0.0%
16.0%	5,490	5,490	0	0.0%
17.3%	5,335	5,335	0	0.0%
18.5%	5,115	5,115	0	0.0%
19.8%	4,892	4,891	-1	0.0%
21.0%	4,615	4,551	-64	-1.4%
22.2%	4,551	4,467	-84	-1.9%
23.5%	4,473	4,431	-42	-0.9%
24.7%	4,430	4,340	-90	-2.0%
25.9%	4,016	4,016	0	0.0%
27.2%	4,094	4,192	98	2.4%
28.4%	4,092	4,086	-6	-0.1%
29.6%	4,064	4,065	1	0.0%
30.9%	4,063	4,064	0	0.0%
32.1%	4,028	4,063	35	0.9%
33.3%	3,825	4,028	203	5.3%
34.6%	3,635	3,859	224	6.2%
35.8%	3,502	3,825	323	9.2%
37.0%	3,256	3,612	356	10.9%
38.3%	3,049	3,502	453	14.9%
39.5%	2,960	3,256	296	10.0%
40.7%	2,811	3,041	230	8.2%
42.0%	2,699	2,811	112	4.1%
43.2%	2,692	2,699	7	0.3%
44.4%	2,692	2,692	0	0.0%
45.7%	2,633	2,581	-52	-2.0%
46.9%	2,581	2,553	-28	-1.1%
48.1%	2,522	2,515	-7	-0.3%
49.4%	2,495	2,495	0	0.0%
50.6%	2,423	2,423	0	0.0%
51.9%	2,292	2,312	20	0.9%
53.1%	2,156	2,275	120	5.6%
54.3%	2,142	2,156	13	0.6%
55.6%	2,032	2,032	0	0.0%
56.8%	1,991	1,970	-21	-1.1%
58.0%	1,955	1,952	-3	-0.1%
59.3%	1,836	1,951	115	6.3%
60.5%	1,796	1,836	39	2.2%
61.7%	1,696	1,696	0	0.0%
63.0%	1,681	1,685	4	0.2%
64.2%	1,685	1,679	-7	-0.4%
65.4%	1,679	1,675	-4	-0.2%
66.7%	1,675	1,635	-39	-2.3%
67.9%	1,640	1,612	-28	-1.7%
69.1%	1,635	1,566	-69	-4.2%
70.4%	1,569	1,526	-43	-2.7%
71.6%	1,383	1,383	0	0.0%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,374	-8	-0.6%
75.3%	1,379	1,359	-20	-1.4%
76.5%	1,359	1,356	-3	-0.3%
77.8%	1,355	1,320	-35	-2.6%
79.0%	1,323	1,313	-10	-0.8%
80.2%	1,319	1,253	-67	-5.1%
81.5%	1,264	1,204	-61	-4.8%
82.7%	1,204	1,165	-38	-3.2%
84.0%	1,119	1,082	-37	-3.3%
85.2%	1,083	1,044	-39	-3.6%
86.4%	1,039	1,007	-32	-3.1%
87.7%	1,004	968	-36	-3.5%
88.9%	945	1,105	160	17.0%
90.1%	943	946	3	0.3%
91.4%	902	945	44	4.8%
92.6%	873	924	51	5.9%
93.8%	839	914	75	8.9%
95.1%	829	821	-8	-0.9%
96.3%	768	861	93	12.1%
97.5%	747	811	65	8.7%
98.8%	743	780	37	4.9%
100.0%	315	466	151	47.9%

Table SW-28-3b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,776	10,776	0	0.0%
2.5%	10,101	10,101	0	0.0%
3.7%	10,061	10,061	0	0.0%
4.9%	9,970	9,970	0	0.0%
6.2%	8,928	8,928	0	0.0%
7.4%	8,446	8,446	0	0.0%
8.6%	7,314	7,314	0	0.0%
9.9%	6,881	6,881	0	0.0%
11.1%	6,224	6,224	0	0.0%
12.3%	5,953	5,953	0	0.0%
13.6%	5,925	5,925	0	0.0%
14.8%	5,674	5,674	0	0.0%
16.0%	5,487	5,487	0	0.0%
17.3%	4,999	4,990	-9	-0.2%
18.5%	4,980	4,964	-16	-0.5%
19.8%	4,934	4,921	-13	-0.3%
21.0%	4,754	4,921	166	3.5%
22.2%	4,702	4,650	-52	-1.1%
23.5%	4,654	4,517	-137	-2.9%
24.7%	4,650	4,503	-147	-3.2%
25.9%	4,517	4,401	-116	-2.6%
27.2%	4,503	4,300	-204	-4.5%
28.4%	4,048	4,163	115	2.8%
29.6%	3,869	4,047	178	4.6%
30.9%	3,828	3,724	-105	-2.7%
32.1%	3,740	3,283	-457	-12.2%
33.3%	3,724	3,197	-526	-14.1%
34.6%	3,373	3,107	-267	-7.9%
35.8%	3,284	3,086	-198	-6.0%
37.0%	3,082	2,909	-173	-5.6%
38.3%	2,985	2,894	-91	-3.1%
39.5%	2,912	2,879	-34	-1.2%
40.7%	2,879	2,872	-7	-0.2%
42.0%	2,872	2,815	-57	-2.0%
43.2%	2,844	2,789	-55	-1.9%
44.4%	2,789	2,675	-114	-4.1%
45.7%	2,748	2,521	-227	-8.3%
46.9%	2,677	2,521	-156	-5.8%
48.1%	2,676	2,512	-164	-6.1%
49.4%	2,658	2,428	-230	-8.6%
50.6%	2,587	2,430	-157	-6.4%
51.9%	2,542	2,380	-161	-6.3%
53.1%	2,530	2,343	-187	-7.4%
54.3%	2,428	2,188	-240	-9.9%
55.6%	2,393	2,126	-267	-11.2%
56.8%	2,392	2,099	-292	-12.2%
58.0%	2,312	2,068	-244	-10.5%
59.3%	2,242	2,028	-214	-9.5%
60.5%	2,191	1,963	-228	-10.4%
61.7%	2,176	1,941	-235	-10.8%
63.0%	2,099	1,927	-172	-8.2%
64.2%	2,028	1,902	-126	-6.2%
65.4%	1,927	1,901	-26	-1.4%
66.7%	1,916	1,894	-21	-1.1%
67.9%	1,893	1,742	-150	-7.9%
69.1%	1,892	1,690	-202	-10.7%
70.4%	1,688	1,688	0	0.0%
71.6%	1,688	1,688	0	0.0%
72.8%	1,688	1,688	0	0.0%
74.1%	1,685	1,685	0	0.0%
75.3%	1,683	1,685	2	0.1%
76.5%	1,675	1,685	10	0.6%
77.8%	1,671	1,683	12	0.7%
79.0%	1,670	1,681	11	0.6%
80.2%	1,670	1,675	5	0.3%
81.5%	1,666	1,671	5	0.3%
82.7%	1,614	1,670	56	3.5%
84.0%	1,427	1,664	237	16.6%
85.2%	1,391	1,559	168	12.1%
86.4%	1,251	1,499	248	19.8%
87.7%	1,202	1,481	279	23.3%
88.9%	1,155	1,425	269	23.3%
90.1%	1,092	1,287	195	17.8%
91.4%	1,017	1,057	40	3.9%
92.6%	1,006	968	-38	-3.8%
93.8%	922	941	19	2.0%
95.1%	905	924	19	2.1%
96.3%	690	876	186	27.0%
97.5%	685	764	79	11.6%
98.8%	523	630	107	20.5%
100.0%	323	606	283	87.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,908	4,908	-6	-0.1%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-5	-0.1%
4.9%	4,941	4,937	-4	-0.1%
6.2%	4,937	4,937	0	0.0%
7.4%	4,937	4,937	0	0.0%
8.6%	4,937	4,937	-1	-0.0%
9.9%	4,937	4,930	-7	-0.1%
11.1%	4,937	4,927	-10	-0.2%
12.3%	4,937	4,912	-25	-0.5%
13.6%	4,937	4,835	-102	-2.1%
14.8%	4,935	4,459	-476	-9.6%
16.0%	4,935	4,266	-669	-13.5%
17.3%	4,934	4,250	-684	-13.9%
18.5%	4,933	4,259	-674	-14.1%
19.8%	4,933	4,225	-708	-14.4%
21.0%	4,931	4,164	-767	-15.5%
22.2%	4,931	4,149	-782	-15.8%
23.5%	4,930	4,149	-781	-15.8%
24.7%	4,930	4,038	-892	-18.1%
25.9%	4,930	4,028	-902	-18.3%
27.2%	4,928	4,021	-907	-18.4%
28.4%	4,923	3,964	-959	-19.5%
29.6%	4,916	3,937	-979	-19.9%
30.9%	4,912	3,820	-1,092	-22.2%
32.1%	4,908	3,916	-1,092	-22.3%
33.3%	4,838	3,729	-1,110	-22.9%
34.6%	4,647	3,722	-926	-19.9%
35.8%	3,086	3,644	558	18.1%
37.0%	4,582	3,625	-956	-20.9%
38.3%	3,603	3,603	0	0.0%
39.5%	4,497	3,437	-1,060	-23.6%
40.7%	4,466	3,223	-1,243	-27.8%
42.0%	4,459	3,205	-1,254	-28.1%
43.2%	4,422	3,078	-1,344	-30.4%
44.4%	4,049	3,029	-1,020	-25.2%
45.7%	3,937	3,015	-921	-23.4%
46.9%	3,849	2,978	-871	-22.6%
48.1%	3,830	2,973	-856	-22.4%
49.4%	3,722	2,909	-812	-21.8%
50.6%	3,654	2,852	-802	-21.9%
51.9%	3,527	2,859	-668	-19.0%
53.1%	3,498	2,820	-678	-19.4%
54.3%	3,480	2,791	-689	-19.8%
55.6%	3,330	2,786	-544	-16.3%
56.8%	3,309	2,763	-546	-16.5%
58.0%	3,205	2,715	-490	-15.3%
59.3%	3,158	2,712	-446	-14.1%
60.5%	3,047	2,700	-347	-11.4%
61.7%	3,025	2,691	-334	-11.0%
63.0%	2,973	2,695	-278	-9.3%
64.2%	2,963	2,677	-286	-9.6%
65.4%	2,948	2,672	-276	-9.4%
66.7%	2,919	2,669	-250	-8.6%
67.9%	2,878	2,665	-213	-7.4%
69.1%	2,859	2,662	-196	-6.9%
70.4%	2,822	2,638	-184	-6.5%
71.6%	2,795	2,612	-183	-6.5%
72.8%	2,712	2,593	-120	-4.4%
74.1%	2,691	2,517	-174	-6.5%
75.3%	2,678	2,491	-184	-6.9%
76.5%	2,612	2,461	-151	-5.8%
77.8%	2,610	2,452	-158	-6.1%
79.0%	2,593	2,440	-152	-5.9%
80.2%	2,461	2,404	-57	-2.3%
81.5%	2,435	2,185	-250	-10.3%
82.7%	2,320	2,183	-137	-5.9%
84.0%	2,063	2,174	111	5.4%
85.2%	2,059	1,908	-151	-7.3%
86.4%	1,858	1,850	-9	-0.5%
87.7%	1,481	1,755	274	18.5%
88.9%	1,648	1,527	-121	-7.4%
90.1%	1,621	1,485	-136	-8.4%
91.4%	1,550	1,445	-105	-6.8%
92.6%	1,400	1,411	11	0.8%
93.8%	1,307	1,307	0	0.0%
95.1%	799	1,393	594	74.3%
96.3%	761	1,342	582	76.5%
97.5%	694	1,120	426	61.4%
98.8%	405	789	385	95.1%
100.0%	321	270	-52	-16.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,375	0	0.0%
1.2%	4,375	4,372	-3	-0.1%
2.5%	4,168	4,171	3	0.1%
3.7%	4,166	4,168	3	0.1%
4.9%	4,049	4,149	100	2.5%
6.2%	4,010	4,048	39	1.0%
7.4%	3,975	4,010	34	0.9%
8.6%	3,946	3,979	34	0.9%
9.9%	3,945	3,946	1	0.0%
11.1%	3,940	3,940	0	0.0%
12.3%	3,909	3,909	0	0.0%
13.6%	3,906	3,906	0	0.0%
14.8%	3,900	3,900	0	0.0%
16.0%	3,822	3,822	0	0.0%
17.3%	3,757	3,778	22	0.6%
18.5%	3,608	3,597	-10	-0.3%
19.8%	3,584	3,533	-51	-1.4%
21.0%	3,384	3,506	122	3.6%
22.2%	3,367	3,462	94	2.8%
23.5%	3,321	3,417	96	2.9%
24.7%	3,319	3,390	71	2.1%
25.9%	3,311	3,370	59	1.8%
27.2%	3,190	3,299	109	3.4%
28.4%	3,153	3,248	95	3.0%
29.6%	3,131	3,242	112	3.6%
30.9%	3,077	3,110	33	1.1%
32.1%	3,055	3,109	44	1.4%
33.3%	2,872	3,082	210	7.3%
34.6%	2,818	3,055	237	8.4%
35.8%	2,816	3,014	198	7.0%
37.0%	2,780	2,940	160	5.7%
38.3%	2,745	2,930	185	6.7%
39.5%	2,689	2,920	231	8.6%
40.7%	2,592	2,877	285	11.0%
42.0%	2,588	2,859	271	10.5%
43.2%	2,583	2,850	267	10.3%
44.4%	2,576	2,843	267	10.4%
45.7%	2,545	2,812	267	10.5%
46.9%	2,513	2,809	297	11.8%
48.1%	2,420	2,742	322	13.3%
49.4%	2,402	2,713	311	12.9%
50.6%	2,349	2,658	309	13.1%
51.9%	2,287	2,650	363	15.9%
53.1%	2,286	2,628	343	15.0%
54.3%	2,261	2,568	307	13.6%
55.6%	2,247	2,486	239	10.6%
56.8%	2,217	2,469	252	11.4%
58.0%	2,151	2,427	276	12.8%
59.3%	2,213	2,183	-31	-1.4%
60.5%	2,176	2,170	-7	-0.3%
61.7%	2,144	2,174	30	1.4%
63.0%	2,051	1,992	-60	-2.9%
64.2%	1,926	1,916	-10	-0.5%
65.4%	1,888	1,915	27	1.4%
66.7%	1,848	1,914	67	3.6%
67.9%	1,811	1,827	16	0.9%
69.1%	1,862	1,813	-49	-2.6%
70.4%	1,662	1,799	137	8.3%
71.6%	1,659	1,745	86	5.2%
72.8%	1,659	1,735	76	4.6%
74.1%	1,659	1,665	6	0.4%
75.3%	1,659	1,661	3	0.2%
76.5%	1,659	1,659	0	0.0%
77.8%	1,553	1,659	105	6.8%
79.0%	1,399	1,640	241	17.2%
80.2%	1,290	1,568	278	21.5%
81.5%	1,279	1,514	235	18.4%
82.7%	1,225	1,473	248	20.2%
84.0%	1,221	1,457	236	19.3%
85.2%	1,172	1,337	165	14.1%
86.4%	1,115	1,333	218	19.6%
87.7%	918	1,292	374	40.7%
88.9%	918	1,196	279	30.4%
90.1%	913	1,158	245	26.9%
91.4%	890	1,081	191	21.5%
92.6%	807	1,031	224	27.8%
93.8%	747	932	185	

Table SW-29-3a
 American River at H Street, Monthly Flow
 Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative A	1,416	2,642	3,282	4,329	4,972	3,616	3,080	3,241	3,194	2,932	2,367	2,474
Difference	62	-10	94	38	2	45	29	19	-42	-416	132	2
Percent Difference ³	4.6%	-0.4%	2.9%	0.9%	0.0%	1.3%	0.9%	0.6%	-1.3%	-12.4%	5.9%	0.1%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative A	1,626	3,787	3,606	8,626	8,992	5,914	4,996	5,711	5,482	3,287	3,135	3,813
Difference	156	-20	86	72	3	-1	0	0	19	-294	142	-262
Percent Difference	10.6%	-0.5%	2.5%	0.8%	0.0%	0.0%	0.0%	0.0%	0.4%	-8.2%	4.8%	-6.4%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative A	1,382	2,643	2,982	4,637	6,186	5,276	3,234	3,408	2,880	3,621	2,539	2,820
Difference	5	-8	150	162	51	57	-4	-3	-78	-500	184	-56
Percent Difference	0.4%	-0.3%	5.3%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.6%	-12.1%	7.8%	-1.9%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative A	1,649	3,371	3,946	2,256	3,979	2,265	2,922	2,609	2,320	3,324	2,371	2,357
Difference	127	109	53	67	-84	-7	139	53	-30	-1,223	255	501
Percent Difference	8.3%	3.4%	1.4%	3.1%	-2.1%	-0.3%	5.0%	2.1%	-1.3%	-26.9%	12.0%	27.0%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative A	1,287	1,660	4,134	1,552	1,718	2,043	1,609	1,511	2,093	2,712	1,929	1,446
Difference	-14	-26	182	-71	36	123	-87	28	-2	-259	-115	55
Percent Difference	-1.0%	-1.5%	4.6%	-4.4%	2.1%	6.4%	-5.1%	1.9%	-0.1%	-8.7%	-5.6%	4.0%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative A	914	781	824	1,299	1,087	911	1,165	1,057	1,220	1,346	1,181	908
Difference	-46	-107	-33	-34	2	76	171	27	-214	111	287	-28
Percent Difference	-4.8%	-12.0%	-3.8%	-2.5%	0.1%	9.1%	17.2%	2.6%	-14.9%	9.0%	32.1%	-3.0%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
³ Relative difference of the monthly average

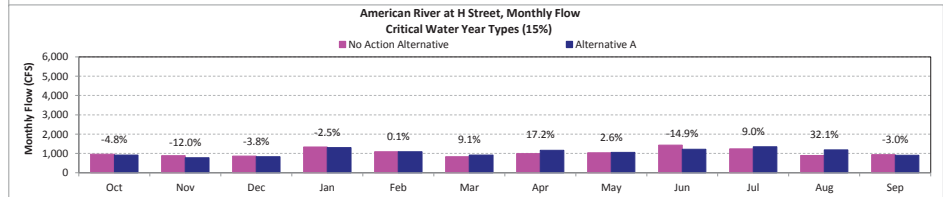
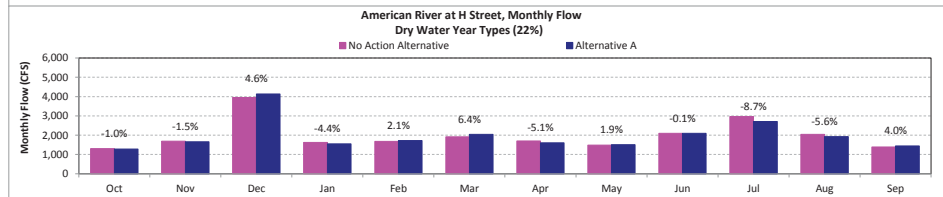
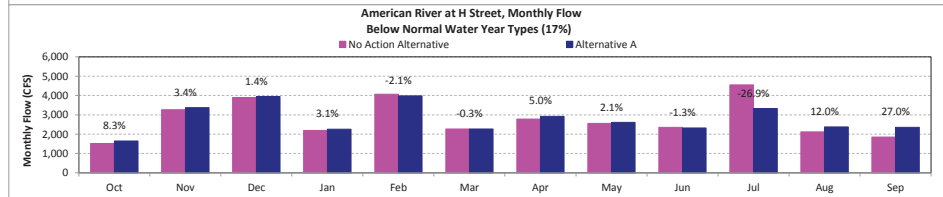
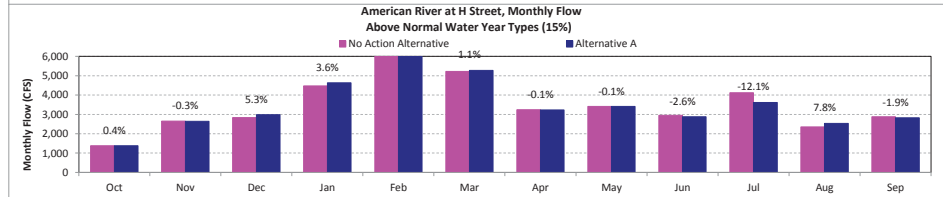
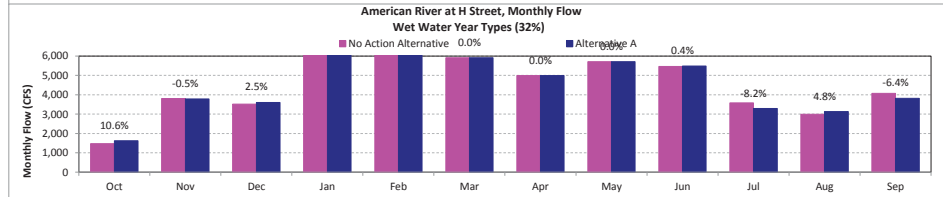
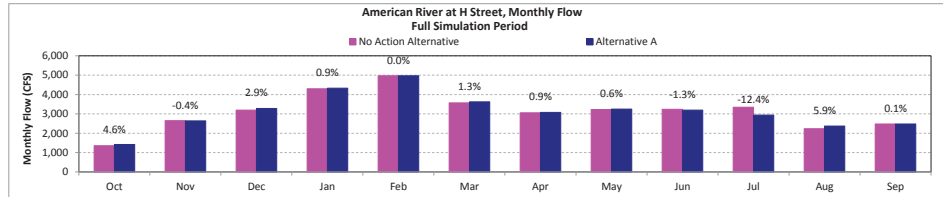


Figure SW-29-3b
American River at H Street, Monthly Flow
Probability of Exceedance

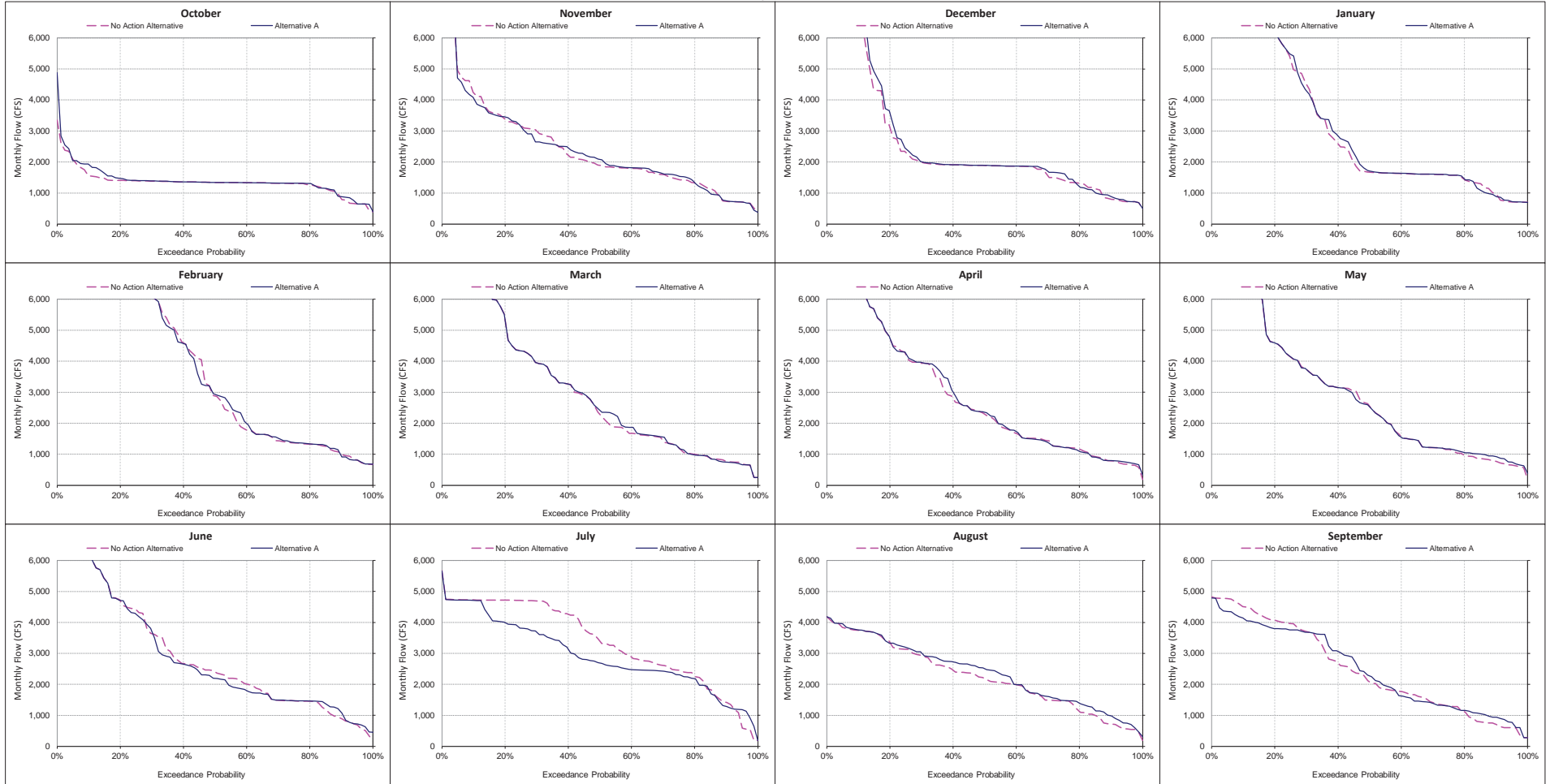


Table SW-29-3b
American River at H Street, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	4,882	1,530	45.6%
0.2%	2,926	2,843	-240	-8.2%
2.5%	2,376	2,543	167	7.0%
3.7%	2,348	2,433	84	3.6%
4.9%	2,096	2,046	-50	-2.4%
6.2%	1,936	2,046	110	5.7%
7.4%	1,824	1,955	131	7.2%
8.6%	1,750	1,939	188	10.8%
9.9%	1,554	1,936	382	24.6%
11.1%	1,543	1,830	287	18.6%
12.3%	1,526	1,820	294	19.2%
13.6%	1,492	1,741	249	16.7%
14.8%	1,482	1,651	168	11.3%
16.0%	1,412	1,553	141	10.0%
17.3%	1,409	1,552	143	10.1%
18.5%	1,408	1,489	81	5.7%
19.8%	1,406	1,477	71	5.1%
21.0%	1,403	1,455	52	3.7%
22.2%	1,403	1,413	11	0.8%
23.5%	1,399	1,408	9	0.7%
24.7%	1,397	1,405	8	0.6%
25.9%	1,394	1,398	4	0.3%
27.2%	1,393	1,397	4	0.3%
28.4%	1,387	1,396	8	0.6%
29.6%	1,386	1,390	4	0.3%
30.9%	1,382	1,389	7	0.5%
32.1%	1,378	1,386	8	0.6%
33.3%	1,378	1,386	8	0.6%
34.6%	1,377	1,385	8	0.6%
35.8%	1,374	1,377	3	0.2%
37.0%	1,363	1,361	-1	-0.1%
38.3%	1,359	1,361	1	0.1%
39.5%	1,357	1,357	0	0.0%
40.7%	1,357	1,357	0	0.0%
42.0%	1,357	1,356	-1	-0.1%
43.2%	1,356	1,355	-1	-0.1%
44.4%	1,353	1,352	-1	-0.1%
45.7%	1,350	1,349	-1	-0.1%
46.9%	1,348	1,348	0	0.0%
48.1%	1,345	1,342	-2	-0.2%
49.4%	1,344	1,342	-2	-0.1%
50.6%	1,342	1,341	-1	-0.1%
51.9%	1,341	1,341	0	0.0%
53.1%	1,341	1,341	1	0.0%
54.3%	1,340	1,338	-2	-0.2%
55.6%	1,340	1,338	-2	-0.2%
56.8%	1,337	1,336	-1	-0.1%
58.0%	1,336	1,336	0	0.0%
59.3%	1,335	1,333	-2	-0.2%
60.5%	1,335	1,332	-3	-0.2%
61.7%	1,334	1,330	-3	-0.3%
63.0%	1,333	1,330	-3	-0.2%
64.2%	1,331	1,327	-4	-0.3%
65.4%	1,329	1,326	-3	-0.3%
66.7%	1,325	1,325	0	0.0%
67.9%	1,317	1,324	7	0.5%
69.1%	1,316	1,324	7	0.5%
70.4%	1,316	1,322	7	0.5%
71.6%	1,314	1,317	3	0.3%
72.8%	1,313	1,316	3	0.2%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,315	8	0.6%
76.5%	1,306	1,313	7	0.6%
77.8%	1,305	1,312	8	0.6%
79.0%	1,271	1,308	37	2.9%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,237	6	0.5%
82.7%	1,210	1,162	-48	-3.9%
84.0%	1,166	1,156	-10	-0.8%
85.2%	1,128	1,146	18	1.6%
86.4%	1,082	1,112	30	2.8%
87.7%	1,053	1,089	36	3.4%
88.9%	969	897	-72	-7.4%
90.1%	784	880	97	12.4%
91.4%	771	864	92	12.0%
92.6%	673	848	175	26.0%
93.8%	663	763	100	15.0%
95.1%	644	648	4	0.6%
96.3%	643	644	1	0.2%
97.5%	641	643	2	0.3%
98.8%	433	641	208	48.1%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	16,829	-583	-3.4%
0.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,367	585	8.6%
4.9%	4,957	4,705	-252	-5.1%
6.2%	4,731	4,577	-154	-3.3%
7.4%	4,328	4,307	-21	-0.5%
8.6%	4,621	4,181	-439	-9.5%
9.9%	4,251	4,084	-166	-3.9%
11.1%	4,110	3,859	-251	-6.1%
12.3%	4,109	3,805	-305	-7.4%
13.6%	3,805	3,751	-54	-1.4%
14.8%	3,636	3,589	-47	-1.3%
16.0%	3,582	3,543	-38	-1.1%
17.3%	3,566	3,498	-67	-1.9%
18.5%	3,506	3,469	-37	-1.1%
19.8%	3,401	3,462	61	1.8%
21.0%	3,298	3,427	129	3.9%
22.2%	3,295	3,327	32	1.0%
23.5%	3,235	3,301	66	2.0%
24.7%	3,202	3,189	-13	-0.4%
25.9%	3,101	3,024	-77	-2.5%
27.2%	3,085	2,909	-177	-5.7%
28.4%	3,069	2,906	-162	-5.3%
29.6%	3,039	2,648	-391	-12.9%
30.9%	2,817	2,648	-169	-6.0%
32.1%	2,877	2,613	-264	-9.2%
33.3%	2,829	2,598	-231	-8.2%
34.6%	2,803	2,581	-222	-7.9%
35.8%	2,613	2,565	-49	-1.9%
37.0%	2,488	2,508	20	0.8%
38.3%	2,450	2,450	0	0.0%
39.5%	2,263	2,498	235	10.4%
40.7%	2,152	2,391	239	11.1%
42.0%	2,151	2,330	179	8.3%
43.2%	2,091	2,291	200	9.6%
44.4%	2,079	2,275	196	9.4%
45.7%	2,040	2,202	162	7.9%
46.9%	1,983	2,159	176	8.9%
48.1%	1,968	2,151	183	9.3%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,071	187	9.9%
51.9%	1,847	1,943	97	5.2%
53.1%	1,840	1,886	46	2.5%
54.3%	1,826	1,884	57	3.1%
55.6%	1,825	1,854	29	1.6%
56.8%	1,813	1,847	34	1.9%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,814	18	1.0%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,810	33	1.9%
64.2%	1,757	1,797	40	2.3%
65.4%	1,667	1,782	115	6.9%
66.7%	1,625	1,701	75	4.6%
67.9%	1,608	1,662	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,608	20	1.3%
71.6%	1,530	1,608	79	5.1%
72.8%	1,488	1,600	112	7.5%
74.1%	1,480	1,575	95	6.4%
75.3%	1,423	1,535	112	7.8%
76.5%	1,421	1,526	104	7.4%
77.8%	1,404	1,488	83	5.9%
79.0%	1,340	1,434	94	7.0%
80.2%	1,324	1,304	-19	-1.5%
81.5%	1,311	1,205	-106	-8.1%
82.7%	1,240	1,146	-94	-7.6%
84.0%	1,162	1,082	-80	-6.9%
85.2%	1,137	967	-170	-15.0%
86.4%	1,061	943	-118	-11.1%
87.7%	894	946	52	5.2%
88.9%	748	773	25	3.4%
90.1%	725	747	22	3.0%
91.4%	722	731	8	1.2%
92.6%	720	721	0	0.0%
93.8%	716	716	0	0.0%
95.1%	714	708	-6	-0.8%
96.3%	682	682	0	0.0%
97.5%	672	662	-10	-1.6%
98.8%	513	447	-67	-13.0%
100.0%	377	375	-2	-0.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,192	400	2.0%
0.2%	16,520	17,137	616	3.7%
2.5%	15,879	16,526	646	4.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,765	-4	0.0%
6.2%	12,867	13,309	441	3.4%
7.4%	8,949	8,949	0	0.0%
8.6%	10,747	8,743	-13	-0.2%
9.9%	7,132	7,126	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,384	644	11.2%
13.6%	5,025	5,276	250	5.0%
14.8%	4,349	4,934	584	13.4%
16.0%	4,306	4,689	383	8.9%
17.3%	4,294	4,455	161	3.8%
18.5%	3,212	3,717	505	15.7%
19.8%	3,196	3,656	461	14.4%
21.0%	3,027	3,202	175	5.8%
22.2%	2,742	2,781	39	1.4%
23.5%	2,349	2,731	382	16.3%
24.7%	2,342	2,455	113	4.8%
25.9%	2,242	2,242	0	0.0%
27.2%	2,096	2,220	124	5.9%
28.4%	2,059	2,160	101	4.9%
29.6%	2,002	2,018	16	0.8%
30.9%	1,969	1,988	18	0.9%
32.1%	1,950	1,972	23	1.2%
33.3%	1,934	1,969	35	1.8%
34.6%	1,933	1,950	17	0.9%
35.8%	1,922	1,934	12	0.6%
37.0%	1,918	1,919	0	0.0%
38.3%	1,917	1,918	1	0.1%
39.5%	1,911	1,912	1	0.1%
40.7%	1,911	1,910	-1	-0.0%
42.0%	1,899	1,909	10	0.5%
43.2%	1,897	1,908	11	0.6%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,896	0	0.0%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,893	0	0.0%
50.6%	1,884	1,890	6	0.3%
51.9%	1,879	1,884	5	0.3%
53.1%	1,878	1,882	4	0.2%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,874	-2	-0.1%
56.8%	1,872	1,871	-1	-0.1%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,870	-1	-0.1%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,869	11	0.6%
63.0%	1,857	1,869	12	0.7%
64.2%	1,856	1,863	7	0.4%
65.4%	1,846	1,861	15	0.8%
66.7%	1,770	1,857	87	4.9%
67.9%	1,767	1,812	44	2.5%
69.1%	1,666	1,769	103	6.2%
70.4%	1,602	1,668	66	4.1%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,661	175	11.8%
74.1%	1,441	1,640	199	13.8%
75.3%	1,400	1,617	217	15.5%
76.5%	1,342	1,452	110	8.2%
77.8%	1,340	1,441	100	7.5%
79.0%	1,333	1,296	-36	-2.7%
80.2%	1,303	1,178	-125	-9.6%
81.5%	1,285	1,164	-121	-9.4%
82.7%	1,181	1,115	-66	-5.6%
84.0%	1,178	1,105	-73	-6.2%
85.2%	1,132	1,085	-47	-4.1%
86.4%	1,094	962	-132	-12.1%
87.7%	852	946	95	11.1%
88.9%	829	950	111	13.4%
90.1%	799	881	82	10.2%
91.4%	790	832	43	5.4%
92.6%	766	799	34	4.4%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	719	0	0.0%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0

Table SW-29-3b
American River at H Street, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	32,227	32,213	-14	0.0%
1.2%	15,661	15,661	0	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,454	0	0.0%
4.9%	13,388	13,388	-1	0.0%
6.2%	13,055	13,040	-15	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,308	0	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,187	-9	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,507	0	0.0%
14.8%	10,012	10,006	-6	-0.1%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,185	9,153	-32	-0.3%
21.0%	7,881	8,089	208	2.6%
22.2%	7,868	7,881	13	0.2%
23.5%	7,716	7,863	148	1.9%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,023	-7	-0.1%
27.2%	6,732	6,578	-154	-2.3%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,074	-1	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,394	-157	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,821	-43	-0.9%
39.5%	4,621	4,592	-29	-0.6%
40.7%	4,549	4,549	-1	0.0%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	3,594	-497	-12.1%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,221	-73	-2.2%
48.1%	3,218	3,211	-7	-0.2%
49.4%	2,895	2,958	63	2.2%
50.6%	2,865	2,907	43	1.5%
51.9%	2,723	2,864	141	5.2%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,659	264	11.0%
55.6%	2,347	2,441	94	4.0%
56.8%	2,066	2,376	310	15.0%
58.0%	1,895	2,337	442	23.3%
59.3%	1,814	2,064	251	13.8%
60.5%	1,754	1,944	190	10.8%
61.7%	1,747	1,724	-24	-1.4%
63.0%	1,646	1,646	0	0.0%
64.2%	1,642	1,642	0	0.0%
65.4%	1,640	1,640	0	0.0%
66.7%	1,622	1,622	0	0.0%
67.9%	1,556	1,565	9	0.5%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,502	68	4.7%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,435	41	3.0%
74.1%	1,371	1,393	23	1.6%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,318	44	3.4%
85.2%	1,253	1,283	30	2.4%
86.4%	1,152	1,194	42	3.7%
87.7%	1,103	1,188	84	7.7%
88.9%	1,083	1,152	68	6.3%
90.1%	986	912	-73	-7.4%
91.4%	954	911	-43	-4.5%
92.6%	936	890	-47	-5.0%
93.8%	942	815	-126	-13.5%
95.1%	815	813	-2	-0.3%
96.3%	731	747	16	2.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	16,571	16,571	0	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,420	544	4.6%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,448	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,425	631	8.1%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,671	175	3.9%
22.2%	4,497	4,495	-2	0.0%
23.5%	4,368	4,364	-4	-0.1%
24.7%	4,347	4,340	-8	-0.2%
25.9%	4,330	4,330	0	0.0%
27.2%	4,253	4,253	0	0.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,901	3,901	0	0.0%
33.3%	3,831	3,808	-22	-0.6%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,304	0	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-2	0.0%
42.0%	2,998	3,065	67	2.3%
43.2%	2,979	3,010	31	1.0%
44.4%	2,924	2,974	50	1.7%
45.7%	2,880	2,886	7	0.2%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,590	-2	0.0%
49.4%	2,363	2,472	108	4.6%
50.6%	2,233	2,233	0	0.0%
51.9%	2,080	2,352	271	13.1%
53.1%	1,952	2,342	390	20.0%
54.3%	1,882	2,297	414	22.0%
55.6%	1,872	2,223	351	18.8%
56.8%	1,864	1,932	69	3.7%
58.0%	1,788	1,879	91	5.1%
59.3%	1,678	1,867	189	11.3%
60.5%	1,670	1,865	194	11.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	29	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,591	28	1.8%
69.1%	1,552	1,563	12	0.8%
70.4%	1,383	1,552	169	12.2%
71.6%	1,362	1,346	-16	-1.2%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,297	2	0.2%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,019	-17	-1.6%
79.0%	1,014	998	-16	-1.5%
80.2%	1,000	973	-27	-2.7%
81.5%	974	961	-14	-1.4%
82.7%	969	957	-12	-1.2%
84.0%	932	953	21	2.2%
85.2%	865	846	-19	-2.1%
86.4%	854	835	-19	-2.3%
87.7%	833	779	-54	-6.4%
88.9%	823	753	-70	-8.5%
90.1%	757	743	-15	-2.0%
91.4%	753	737	-16	-2.1%
92.6%	743	730	-13	-1.8%
93.8%	705	705	0	0.0%
95.1%	685	664	-21	-3.0%
96.3%	664	664	0	0.0%
97.5%	655	655	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,691	-2	0.0%
7.4%	6,041	6,041	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	-1	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,430	-31	-0.7%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,040	0	0.0%
27.2%	4,068	4,040	-28	-0.7%
28.4%	3,968	3,968	0	0.0%
29.6%	3,938	3,968	30	0.8%
30.9%	3,933	3,933	0	0.0%
32.1%	3,928	3,929	1	0.0%
33.3%	3,812	3,910	98	2.6%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,679	213	6.1%
37.0%	3,082	3,481	399	13.0%
38.3%	3,023	3,443	420	13.9%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,870	191	7.1%
42.0%	2,643	2,643	0	0.0%
43.2%	2,571	2,571	0	0.0%
44.4%	2,568	2,568	0	0.0%
45.7%	2,453	2,430	-23	-0.9%
46.9%	2,430	2,395	-34	-1.4%
48.1%	2,388	2,381	-7	-0.3%
49.4%	2,339	2,374	35	1.5%
50.6%	2,264	2,339	75	3.3%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,208	94	4.4%
54.3%	1,983	1,983	0	0.0%
55.6%	1,869	1,962	93	5.0%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,775	72	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,530	-32	-2.0%
63.0%	1,525	1,511	-14	-0.9%
64.2%	1,512	1,503	-9	-0.6%
65.4%	1,511	1,492	-19	-1.3%
66.7%	1,503	1,485	-19	-1.2%
67.9%	1,492	1,450	-42	-2.8%
69.1%	1,450	1,424	-26	-1.8%
70.4%	1,427	1,360	-68	-4.7%
71.6%	1,269	1,269	0	0.0%
72.8%	1,255	1,255	0	0.0%
74.1%	1,236	1,236	0	0.0%
75.3%	1,218	1,218	0	0.0%
76.5%	1,216	1,211	-5	-0.4%
77.8%	1,205	1,170	-35	-2.9%
79.0%	1,198	1,148	-50	-4.2%
80.2%	1,155	1,081	-73	-6.4%
81.5%	1,098	1,054	-43	-3.9%
82.7%	1,054	1,041	-14	-1.3%
84.0%	948	917	-31	-3.2%
85.2%	919	904	-15	-1.6%
86.4%	899	872	-27	-3.0%
87.7%	808	808	0	0.0%
88.9%	798	797	-1	-0.1%
90.1%	783	796	12	1.6%
91.4%	783	791	8	1.1%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	680	0	0.0%
96.3%	654	708	55	8.4%
97.5%	640	699	59	9.2%
98.8%	579	665	86	14.9%
100.0%	488	339	-151	-30.3%

Table SW-29-3b
American River at H Street, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	13,766	13,766	0	0.0%
0.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,789	-28	-0.6%
18.5%	4,789	4,782	-7	-0.1%
19.8%	4,739	4,713	-26	-0.6%
21.0%	4,541	4,701	160	3.5%
22.2%	4,482	4,444	-38	-0.8%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,188	-128	-3.0%
27.2%	4,294	4,088	-206	-4.8%
28.4%	3,813	3,941	128	3.4%
29.6%	3,647	3,812	165	4.5%
30.9%	3,817	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,957	-544	-15.5%
34.6%	3,143	2,911	-233	-7.4%
35.8%	3,065	2,877	-188	-6.1%
37.0%	2,964	2,699	-165	-5.8%
38.3%	2,776	2,683	-93	-3.4%
39.5%	2,672	2,662	-10	-0.4%
40.7%	2,662	2,639	-23	-0.9%
42.0%	2,639	2,602	-37	-1.4%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,307	-221	-8.8%
46.9%	2,468	2,304	-164	-6.6%
48.1%	2,464	2,287	-176	-7.2%
49.4%	2,447	2,197	-250	-10.2%
50.6%	2,363	2,190	-173	-7.3%
51.9%	2,327	2,164	-163	-7.0%
53.1%	2,296	2,144	-152	-6.6%
54.3%	2,197	1,974	-223	-10.1%
55.6%	2,193	1,911	-282	-12.9%
56.8%	2,176	1,888	-288	-13.2%
58.0%	2,116	1,864	-251	-11.9%
59.3%	2,029	1,839	-191	-9.4%
60.5%	1,997	1,768	-229	-11.5%
61.7%	1,966	1,729	-238	-12.1%
63.0%	1,882	1,720	-161	-8.6%
64.2%	1,839	1,720	-119	-6.5%
65.4%	1,720	1,683	-37	-2.1%
66.7%	1,712	1,679	-33	-2.0%
67.9%	1,495	1,518	23	1.5%
69.1%	1,491	1,495	4	0.3%
70.4%	1,480	1,491	11	0.7%
71.6%	1,480	1,491	11	0.8%
72.8%	1,472	1,478	6	0.4%
74.1%	1,472	1,477	5	0.3%
75.3%	1,468	1,472	4	0.3%
76.5%	1,458	1,472	15	1.0%
77.8%	1,457	1,468	11	0.8%
79.0%	1,457	1,468	11	0.8%
80.2%	1,455	1,458	3	0.2%
81.5%	1,451	1,457	7	0.5%
82.7%	1,403	1,455	51	3.7%
84.0%	1,254	1,447	193	15.4%
85.2%	1,176	1,356	180	15.3%
86.4%	1,045	1,277	232	22.2%
87.7%	980	1,271	292	29.8%
88.9%	946	1,219	273	28.9%
90.1%	889	1,073	184	20.7%
91.4%	814	844	30	3.7%
92.6%	803	776	-27	-3.4%
93.8%	726	729	2	0.2%
95.1%	690	726	36	5.2%
96.3%	550	685	135	24.5%
97.5%	511	629	118	23.1%
98.8%	332	466	134	40.4%
100.0%	188	456	268	142.4%

Percent Exceedance Probability	July		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,743	0	0.0%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,722	-5	-0.1%
7.4%	4,727	4,719	-8	-0.2%
8.6%	4,727	4,717	-10	-0.2%
9.9%	4,726	4,714	-12	-0.2%
11.1%	4,724	4,709	-15	-0.3%
12.3%	4,723	4,702	-21	-0.4%
13.6%	4,723	4,418	-304	-6.4%
14.8%	4,720	4,232	-488	-10.3%
16.0%	4,719	4,048	-672	-14.2%
17.3%	4,719	4,041	-678	-14.4%
18.5%	4,718	4,023	-695	-14.7%
19.8%	4,717	4,007	-711	-15.1%
21.0%	4,717	3,941	-776	-16.5%
22.2%	4,716	3,933	-784	-16.6%
23.5%	4,712	3,930	-782	-16.6%
24.7%	4,709	3,818	-891	-18.9%
25.9%	4,707	3,810	-898	-19.1%
27.2%	4,707	3,787	-920	-19.5%
28.4%	4,702	3,733	-969	-20.6%
29.6%	4,698	3,723	-976	-20.8%
30.9%	4,690	3,605	-1,084	-23.1%
32.1%	4,684	3,603	-1,081	-23.1%
33.3%	4,623	3,519	-1,104	-23.9%
34.6%	4,424	3,480	-943	-21.3%
35.8%	3,473	3,429	-44	-1.2%
37.0%	4,364	3,412	-952	-21.8%
38.3%	4,288	3,281	-1,007	-23.5%
39.5%	4,282	3,204	-1,077	-25.2%
40.7%	4,233	3,008	-1,225	-28.9%
42.0%	4,232	2,979	-1,253	-29.6%
43.2%	4,105	2,859	-1,246	-30.4%
44.4%	4,091	2,803	-1,288	-31.5%
45.7%	3,723	2,800	-923	-24.8%
46.9%	3,639	2,767	-872	-24.0%
48.1%	3,615	2,754	-860	-23.8%
49.4%	3,480	2,703	-778	-22.3%
50.6%	3,233	2,674	-559	-17.3%
51.9%	3,319	2,623	-696	-21.0%
53.1%	3,262	2,602	-660	-20.2%
54.3%	3,260	2,585	-675	-20.7%
55.6%	3,123	2,573	-551	-17.6%
56.8%	3,068	2,535	-533	-17.4%
58.0%	2,979	2,507	-472	-15.9%
59.3%	2,939	2,480	-459	-15.6%
60.5%	2,835	2,477	-357	-12.6%
61.7%	2,819	2,470	-349	-12.4%
63.0%	2,772	2,466	-306	-11.0%
64.2%	2,754	2,462	-292	-10.6%
65.4%	2,750	2,453	-297	-10.8%
66.7%	2,706	2,446	-260	-9.6%
67.9%	2,659	2,443	-216	-8.1%
69.1%	2,623	2,441	-182	-6.9%
70.4%	2,609	2,420	-188	-7.2%
71.6%	2,578	2,396	-182	-7.1%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,314	-152	-6.1%
75.3%	2,457	2,310	-147	-6.0%
76.5%	2,396	2,247	-148	-6.2%
77.8%	2,383	2,238	-146	-6.1%
79.0%	2,382	2,199	-183	-7.7%
80.2%	2,247	2,185	-62	-2.8%
81.5%	2,225	1,972	-253	-11.4%
82.7%	2,102	1,968	-134	-6.4%
84.0%	1,849	1,935	86	4.7%
85.2%	1,824	1,696	-128	-7.0%
86.4%	1,644	1,635	-9	-0.5%
87.7%	1,542	1,460	-82	-5.3%
88.9%	1,434	1,314	-120	-8.4%
90.1%	1,413	1,285	-128	-9.1%
91.4%	1,349	1,235	-114	-8.5%
92.6%	1,190	1,200	9	0.8%
93.8%	1,091	1,189	98	9.0%
95.1%	588	1,180	592	100.8%
96.3%	556	1,132	576	103.6%
97.5%	546	935	370	67.7%
98.8%	188	651	463	246.4%
100.0%	188	456	268	142.4%

Percent Exceedance Probability	August		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	4,186	4,186	0	0.0%
1.2%	3,068	4,137	1,068	34.8%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	2	0.1%
4.9%	3,838	3,955	117	3.1%
6.2%	3,809	3,838	29	0.8%
7.4%	3,779	3,809	31	0.8%
8.6%	3,757	3,782	25	0.7%
9.9%	3,747	3,757	10	0.3%
11.1%	3,742	3,747	5	0.1%
12.3%	3,717	3,717	0	0.0%
13.6%	3,703	3,703	0	0.0%
14.8%	3,634	3,685	50	1.4%
16.0%	3,634	3,634	0	0.0%
17.3%	3,548	3,593	45	1.3%
18.5%	3,421	3,402	-19	-0.5%
19.8%	3,392	3,330	-62	-1.8%
21.0%	3,192	3,330	138	4.3%
22.2%	3,157	3,268	112	3.5%
23.5%	3,143	3,235	92	2.9%
24.7%	3,136	3,203	67	2.1%
25.9%	3,125	3,161	36	1.1%
27.2%	3,008	3,115	108	3.6%
28.4%	2,967	3,057	90	3.0%
29.6%	2,941	3,052	110	3.7%
30.9%	2,892	2,921	29	1.0%
32.1%	2,862	2,903	41	1.4%
33.3%	2,687	2,891	203	7.6%
34.6%	2,628	2,865	238	9.0%
35.8%	2,625	2,803	178	6.8%
37.0%	2,594	2,751	157	6.1%
38.3%	2,581	2,741	170	7.0%
39.5%	2,501	2,733	232	9.3%
40.7%	2,398	2,708	309	12.9%
42.0%	2,393	2,666	273	11.4%
43.2%	2,391	2,661	270	11.3%
44.4%	2,372	2,658	286	12.1%
45.7%	2,360	2,620	260	11.0%
46.9%	2,323	2,605	282	12.1%
48.1%	2,238	2,539	300	13.4%
49.4%	2,224	2,535	311	14.0%
50.6%	2,173	2,473	300	13.8%
51.9%	2,098	2,460	362	17.2%
53.1%	2,079	2,443	364	17.5%
54.3%	2,074	2,373	299	14.4%
55.6%	2,063	2,304	241	11.7%
56.8%	2,029	2,279	251	12.3%
58.0%	2,020	2,238	219	10.9%
59.3%	2,013	1,997	-16	-0.8%
60.5%	1,982	1,992	10	0.5%
61.7%	1,949	1,991	41	2.1%
63.0%	1,866	1,810	-56	-3.0%
64.2%	1,626	1,739	113	7.0%
65.4%	1,699	1,722	23	1.4%
66.7%	1,667	1,712	46	2.7%
67.9%	1,617	1,642	24	1.5%
69.1%	1,489	1,619	130	8.7%
70.4%	1,489	1,599	110	7.4%
71.6%	1,482	1,557	76	5.1%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	10	0.7%
76.5%	1,466	1,472	5	0.4%
77.8%	1,370	1,470	100	7.3%
79.0%	1,213	1,454	241	19.9%
80.2%	1,102	1,374	273	24.7%
81.5%	1,093	1,331	238	21.8%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,272	231	22.2%
85.2%	993	1,144	152	15.3%
86.4%	922	1,143	222	24.0%
87.7%	750	1,105	355	47.3%
88.9%	728	1,008	280	38.4%
90.1%	723	979	255	35.3%
91.4%	703	897	194	27.6%
92.6%	624	844	220	35.2%
93.8%</				

Table SW-46-3a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	3,391	3,310	5,688	8,005	8,934	9,288	5,661	6,395	5,916	8,753	5,958	5,411
Alternative A	3,154	3,257	5,444	8,024	8,979	9,419	5,620	6,327	6,047	8,785	5,977	5,640
Difference	-237	-52	-244	19	45	131	-40	-68	131	32	19	228
Percent Difference ³	-7.0%	-1.6%	-4.3%	0.2%	0.5%	1.4%	-0.7%	-1.1%	2.2%	0.4%	0.3%	4.2%
Water Year Types²												
Wet (32%)												
No Action Alternative	4,413	4,541	7,604	17,055	17,558	18,241	10,720	12,703	9,229	8,577	5,372	9,157
Alternative A	4,152	4,402	7,239	17,160	17,531	18,294	10,725	12,706	9,439	8,612	5,261	9,353
Difference	-260	-139	-365	106	-27	53	5	3	210	35	-111	196
Percent Difference	-5.9%	-3.1%	-4.8%	0.6%	-0.2%	0.3%	0.1%	0.0%	2.3%	0.4%	-2.1%	2.1%
Above Normal (15%)												
No Action Alternative	4,143	3,418	5,228	7,269	9,498	11,635	5,461	6,404	5,931	10,210	7,446	7,683
Alternative A	3,949	3,419	4,599	7,361	9,477	12,101	5,461	6,500	6,271	10,281	6,989	7,975
Difference	-193	1	-629	92	-21	466	0	96	340	71	-458	292
Percent Difference	-4.7%	0.0%	-12.0%	1.3%	-0.2%	4.0%	0.0%	1.5%	5.7%	0.7%	-6.1%	3.8%
Below Normal (17%)												
No Action Alternative	3,332	3,305	5,318	3,740	5,403	4,142	3,451	3,136	4,345	9,846	7,514	3,235
Alternative A	3,033	3,289	5,669	3,491	5,856	4,507	3,451	3,118	4,803	9,787	7,187	3,455
Difference	-299	-16	351	-249	453	365	0	-19	458	-59	-326	220
Percent Difference	-9.0%	-0.5%	6.6%	-6.7%	8.4%	8.8%	0.0%	-0.6%	10.5%	-0.6%	-4.3%	6.8%
Dry (22%)												
No Action Alternative	2,533	2,504	5,639	2,611	3,179	3,379	2,652	2,642	4,174	8,766	6,649	2,492
Alternative A	2,220	2,514	5,188	2,552	3,130	3,233	2,594	2,370	3,920	8,770	7,276	2,779
Difference	-313	10	451	-59	49	-145	-58	-273	-254	4	627	287
Percent Difference	-12.4%	0.4%	8.0%	-2.3%	1.5%	-4.3%	-2.2%	-10.3%	-6.1%	0.0%	9.4%	11.5%
Critical (15%)												
No Action Alternative	1,779	1,747	2,504	2,197	2,437	2,414	1,990	2,149	3,166	6,382	2,885	1,941
Alternative A	1,735	1,693	2,524	2,389	2,369	2,518	1,790	2,014	3,114	6,516	3,154	2,099
Difference	-45	-54	20	192	-68	104	-200	-135	-52	134	269	158
Percent Difference	-2.5%	-3.1%	0.8%	8.7%	-2.8%	4.3%	-10.0%	-6.3%	-1.6%	2.1%	9.3%	8.1%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

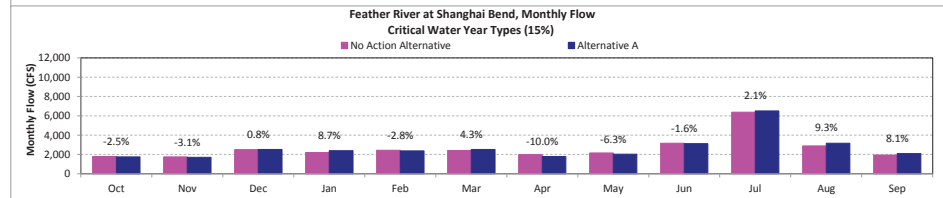
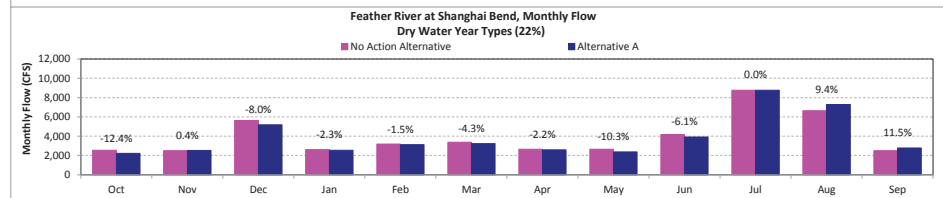
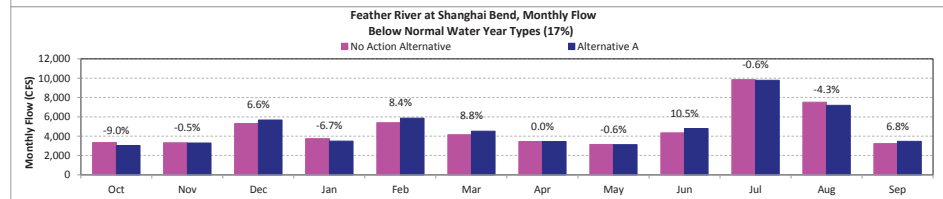
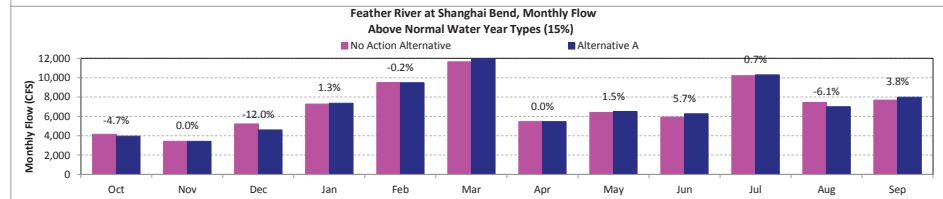
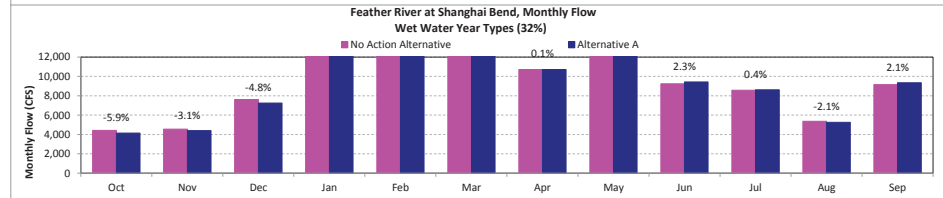
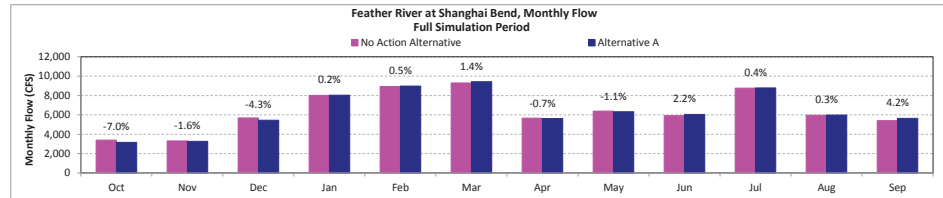


Figure SW-46-3b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

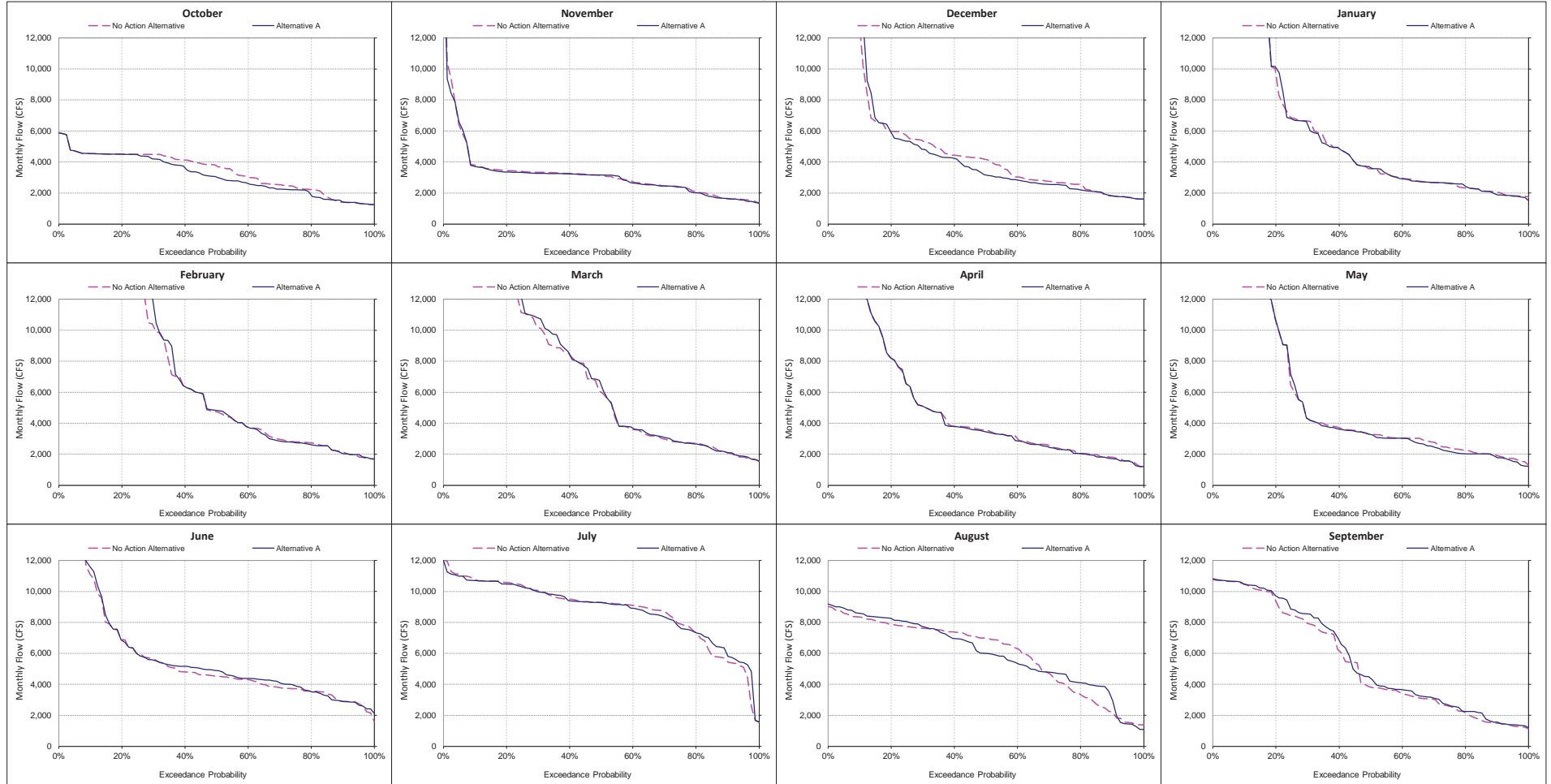


Table SW-46-3b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,876	-7	-0.1%
0.2%	5,836	5,836	0	0.0%
2.5%	5,768	5,768	0	0.0%
3.7%	4,757	4,757	0	0.0%
4.9%	4,732	4,731	-1	0.0%
6.2%	4,640	4,640	0	0.0%
7.4%	4,558	4,558	0	0.0%
8.6%	4,556	4,556	0	0.0%
9.9%	4,548	4,547	-1	0.0%
11.1%	4,547	4,547	-1	0.0%
12.3%	4,526	4,522	-4	-0.1%
13.6%	4,523	4,519	-4	-0.1%
14.8%	4,519	4,514	-5	-0.1%
16.0%	4,514	4,506	-8	-0.2%
17.3%	4,510	4,505	-5	-0.1%
18.5%	4,507	4,501	-6	-0.1%
19.8%	4,505	4,499	-6	-0.1%
21.0%	4,501	4,492	-10	-0.2%
22.2%	4,499	4,490	-9	-0.2%
23.5%	4,496	4,489	-7	-0.1%
24.7%	4,493	4,489	-4	-0.1%
25.9%	4,492	4,397	-95	-2.1%
27.2%	4,492	4,367	-125	-2.8%
28.4%	4,491	4,350	-141	-3.1%
29.6%	4,489	4,204	-286	-6.4%
30.9%	4,489	4,197	-293	-6.5%
32.1%	4,484	4,152	-332	-7.2%
33.3%	4,392	4,001	-391	-8.9%
34.6%	4,376	3,935	-441	-10.1%
35.8%	4,282	3,861	-421	-9.8%
37.0%	4,178	3,806	-372	-8.9%
38.3%	4,156	3,751	-405	-9.7%
39.5%	4,128	3,742	-386	-9.4%
40.7%	4,122	3,465	-657	-15.9%
42.0%	4,057	3,373	-684	-16.9%
43.2%	3,992	3,369	-623	-15.6%
44.4%	3,942	3,308	-634	-16.1%
45.7%	3,874	3,167	-707	-18.2%
46.9%	3,842	3,121	-721	-18.8%
48.1%	3,839	3,087	-752	-19.6%
49.4%	3,817	3,063	-755	-19.8%
50.6%	3,678	3,068	-610	-16.6%
51.9%	3,675	2,891	-784	-21.3%
53.1%	3,574	2,813	-761	-21.3%
54.3%	3,572	2,801	-771	-21.6%
55.6%	3,318	2,784	-534	-16.1%
56.8%	3,157	2,776	-381	-12.1%
58.0%	3,124	2,700	-424	-13.6%
59.3%	3,083	2,665	-418	-13.6%
60.5%	3,006	2,568	-438	-14.6%
61.7%	2,977	2,527	-450	-15.1%
63.0%	2,935	2,478	-457	-15.6%
64.2%	2,621	2,476	-145	-5.5%
65.4%	2,606	2,433	-173	-6.7%
66.7%	2,579	2,336	-243	-9.4%
67.9%	2,566	2,323	-243	-9.5%
69.1%	2,549	2,250	-299	-11.7%
70.4%	2,529	2,244	-285	-11.3%
71.6%	2,476	2,244	-232	-9.4%
72.8%	2,463	2,209	-254	-10.3%
74.1%	2,447	2,209	-238	-9.7%
75.3%	2,324	2,206	-118	-5.1%
76.5%	2,276	2,197	-79	-3.5%
77.8%	2,241	2,191	-51	-2.3%
79.0%	2,236	2,105	-131	-5.9%
80.2%	2,208	1,775	-433	-19.6%
81.5%	2,193	1,729	-464	-21.1%
82.7%	2,121	1,717	-404	-19.1%
84.0%	1,892	1,594	-298	-15.7%
85.2%	1,717	1,592	-125	-7.3%
86.4%	1,595	1,562	-33	-2.0%
87.7%	1,501	1,543	42	2.8%
88.9%	1,411	1,539	128	9.1%
90.1%	1,410	1,410	0	0.0%
91.4%	1,392	1,394	2	0.1%
92.6%	1,390	1,394	3	0.2%
93.8%	1,391	1,391	1	0.1%
95.1%	1,333	1,332	-2	-0.1%
96.3%	1,304	1,303	-1	-0.1%
97.5%	1,299	1,296	-3	-0.2%
98.8%	1,261	1,262	0	0.0%
100.0%	1,254	1,252	-2	-0.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	19,030	19,264	234	1.2%
2.5%	9,369	8,426	-942	-10.1%
3.7%	7,878	7,878	0	0.0%
4.9%	6,402	6,585	183	2.9%
6.2%	5,780	6,070	290	5.0%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,794	-39	-1.0%
9.9%	3,798	3,725	-73	-1.9%
11.1%	3,669	3,669	0	0.0%
12.3%	3,661	3,661	0	0.0%
13.6%	3,568	3,553	-15	-0.4%
14.8%	3,553	3,508	-45	-1.3%
16.0%	3,516	3,436	-79	-2.3%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,468	3,368	-99	-2.8%
19.8%	3,435	3,349	-85	-2.5%
21.0%	3,434	3,347	-87	-2.5%
22.2%	3,430	3,336	-94	-2.7%
23.5%	3,398	3,336	-63	-1.8%
24.7%	3,393	3,332	-61	-1.8%
25.9%	3,368	3,317	-52	-1.5%
27.2%	3,349	3,285	-64	-1.9%
28.4%	3,347	3,280	-67	-2.0%
29.6%	3,339	3,267	-72	-2.2%
30.9%	3,336	3,266	-70	-2.1%
32.1%	3,332	3,265	-67	-2.0%
33.3%	3,317	3,257	-59	-1.8%
34.6%	3,308	3,254	-54	-1.6%
35.8%	3,294	3,254	-41	-1.2%
37.0%	3,280	3,253	-27	-0.8%
38.3%	3,267	3,250	-17	-0.5%
39.5%	3,242	3,229	-13	-0.4%
40.7%	3,257	3,223	-35	-1.1%
42.0%	3,253	3,213	-40	-1.2%
43.2%	3,229	3,183	-46	-1.4%
44.4%	3,223	3,178	-46	-1.4%
45.7%	3,183	3,174	-10	-0.3%
46.9%	3,167	3,165	-2	-0.1%
48.1%	3,159	3,163	2	0.1%
49.4%	3,157	3,159	2	0.1%
50.6%	3,111	3,057	-54	-1.7%
51.9%	3,068	3,156	88	2.9%
53.1%	3,058	3,143	85	2.8%
54.3%	2,907	3,111	204	7.0%
55.6%	2,906	3,078	172	5.9%
56.8%	2,892	2,950	58	2.0%
58.0%	2,824	2,791	-33	-1.2%
59.3%	2,791	2,670	-121	-4.3%
60.5%	2,687	2,628	-59	-2.2%
61.7%	2,661	2,599	-61	-2.3%
63.0%	2,628	2,560	-68	-2.6%
64.2%	2,599	2,538	-61	-2.4%
65.4%	2,560	2,530	-30	-1.2%
66.7%	2,530	2,522	-8	-0.3%
67.9%	2,518	2,486	-32	-1.2%
69.1%	2,486	2,451	-35	-1.4%
70.4%	2,451	2,448	-3	-0.1%
71.6%	2,448	2,444	-4	-0.2%
72.8%	2,444	2,430	-14	-0.6%
74.1%	2,430	2,375	-55	-2.3%
75.3%	2,375	2,371	-4	-0.2%
76.5%	2,371	2,367	-4	-0.2%
77.8%	2,267	2,113	-154	-6.8%
79.0%	2,129	2,031	-98	-4.6%
80.2%	2,091	2,006	-86	-4.1%
81.5%	2,006	2,002	-4	-0.2%
82.7%	2,002	1,884	-118	-5.9%
84.0%	1,914	1,788	-126	-6.6%
85.2%	1,884	1,753	-131	-7.0%
86.4%	1,788	1,696	-92	-5.1%
87.7%	1,696	1,674	-22	-1.3%
88.9%	1,674	1,656	-18	-1.1%
90.1%	1,635	1,621	-14	-0.8%
91.4%	1,611	1,611	0	0.0%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,563	-39	-2.4%
95.1%	1,570	1,549	-21	-1.3%
96.3%	1,549	1,463	-86	-5.6%
97.5%	1,463	1,455	-8	-0.6%
98.8%	1,455	1,389	-65	-4.5%
100.0%	1,340	1,340	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	24,630	-12	-0.0%
2.5%	24,159	23,403	-756	-3.1%
3.7%	23,945	21,787	-2,158	-9.0%
4.9%	18,630	17,436	-1,194	-6.4%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,918	-643	-4.1%
8.6%	14,052	13,396	-657	-4.7%
9.9%	13,127	13,127	0	0.0%
11.1%	10,175	12,896	2,721	26.7%
12.3%	8,453	9,227	774	9.2%
13.6%	6,843	8,451	1,608	23.5%
14.8%	6,648	6,844	196	2.9%
16.0%	6,535	6,531	-4	-0.1%
17.3%	6,503	6,503	0	0.0%
18.5%	6,072	6,433	361	5.9%
19.8%	5,977	5,960	-18	-0.3%
21.0%	5,971	5,527	-444	-7.4%
22.2%	5,960	5,498	-461	-7.7%
23.5%	5,893	5,411	-482	-8.2%
24.7%	5,728	5,350	-379	-6.6%
25.9%	5,498	5,328	-170	-3.1%
27.2%	5,470	5,148	-322	-5.9%
28.4%	5,449	5,076	-373	-6.8%
29.6%	5,410	4,826	-584	-10.8%
30.9%	5,245	4,791	-454	-8.7%
32.1%	5,223	4,564	-659	-12.6%
33.3%	5,076	4,506	-570	-11.2%
34.6%	4,845	4,429	-416	-8.6%
35.8%	4,829	4,315	-514	-10.6%
37.0%	4,564	4,292	-272	-5.9%
38.3%	4,507	4,293	-214	-4.8%
39.5%	4,432	4,251	-181	-4.1%
40.7%	4,427	4,190	-237	-5.4%
42.0%	4,390	4,144	-246	-5.6%
43.2%	4,319	3,716	-604	-14.0%
44.4%	4,315	3,689	-626	-14.5%
45.7%	4,292	3,519	-774	-18.0%
46.9%	4,283	3,500	-783	-18.3%
48.1%	4,259	3,351	-909	-21.3%
49.4%	4,190	3,190	-1,000	-23.9%
50.6%	4,111	3,198	-1,006	-24.5%
51.9%	3,976	3,095	-880	-22.1%
53.1%	3,840	3,031	-809	-21.1%
54.3%	3,802	3,029	-772	-20.3%
55.6%	3,567	2,970	-597	-16.7%
56.8%	3,500	2,943	-557	-15.9%
58.0%	3,190	2,860	-330	-10.3%
59.3%	3,035	2,860	-175	-5.8%
60.5%	3,029	2,821	-208	-6.9%
61.7%	2,970	2,764	-205	-6.9%
63.0%	2,860	2,724	-136	-4.8%
64.2%	2,860	2,661	-199	-7.0%
65.4%	2,822	2,656	-166	-5.9%
66.7%	2,821	2,608	-213	-7.5%
67.9%	2,820	2,579	-241	-8.5%
69.1%	2,764	2,570	-194	-7.0%
70.4%	2,740	2,554	-186	-6.8%
71.6%	2,724	2,552	-172	-6.3%
72.8%	2,661	2,540	-121	-4.4%
74.1%	2,656	2,506	-150	-5.6%
75.3%	2,648	2,503	-146	-5.5%
76.5%	2,592	2,277	-314	-12.1%
77.8%	2,569	2,260	-309	-12.0%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,188	-367	-14.4%
81.5%	2,241	2,141	-99	-4.4%
82.7%	2,189	2,128	-61	-2.8%
84.0%	2,137	2,096	-41	-1.9%
85.2%	2,065	2,095	30	1.4%
86.4%	2,041	2,065	25	1.2%
87.7%	1,859	1,925	66	3.5%
88.9%	1,822	1,859	37	2.0%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,871	87	4.9%
92.6%	1,763	1,780	-13	-0.7%
93.8%	1,751	1,755	4	

Table SW-46-3b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	40,158	40,215	57	0.1%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,769	-1	0.0%
3.7%	28,349	28,348	0	0.0%
4.9%	27,561	27,560	0	0.0%
6.2%	26,981	24,963	-2,018	-7.5%
7.4%	24,966	23,447	-1,419	-5.7%
8.6%	22,575	20,294	-2,276	-10.0%
9.9%	22,284	21,314	-970	-4.4%
11.1%	21,422	21,181	-241	-1.1%
12.3%	19,559	19,557	-2	0.0%
13.6%	19,495	19,404	-91	-0.5%
14.8%	18,948	18,946	-2	0.0%
16.0%	16,366	16,391	25	0.1%
17.3%	16,361	16,374	13	0.0%
18.5%	16,236	16,237	1	0.0%
19.8%	16,202	16,200	-2	0.0%
21.0%	15,487	15,487	0	0.0%
22.2%	15,450	15,448	-2	0.0%
23.5%	14,987	14,984	-3	0.0%
24.7%	14,260	13,891	-370	-2.6%
25.9%	13,228	13,732	504	3.8%
27.2%	12,237	13,497	1,260	10.3%
28.4%	10,473	13,228	2,755	26.3%
29.6%	10,415	12,236	1,821	17.5%
30.9%	9,879	10,472	593	6.0%
32.1%	9,844	9,752	-92	-0.9%
33.3%	9,371	9,367	-4	0.0%
34.6%	8,263	9,347	1,084	13.1%
35.8%	7,143	8,987	1,844	25.8%
37.0%	7,024	7,140	116	1.7%
38.3%	7,020	6,814	-206	-2.9%
39.5%	6,420	6,420	0	0.0%
40.7%	6,285	6,279	-6	-0.1%
42.0%	6,203	6,203	0	0.0%
43.2%	6,022	6,021	-1	0.0%
44.4%	5,972	5,970	-2	0.0%
45.7%	5,905	5,905	0	0.0%
46.9%	4,869	4,929	60	1.2%
48.1%	4,808	4,869	61	1.3%
49.4%	4,772	4,838	67	1.4%
50.6%	4,700	4,801	101	2.2%
51.9%	4,593	4,772	179	3.9%
53.1%	4,413	4,595	183	4.1%
54.3%	4,405	4,409	4	0.1%
55.6%	4,197	4,197	0	0.0%
56.8%	4,038	4,038	0	0.0%
58.0%	4,031	4,031	0	0.0%
59.3%	3,795	3,795	0	0.0%
60.5%	3,702	3,685	-17	-0.5%
61.7%	3,685	3,675	-10	-0.3%
63.0%	3,675	3,576	-99	-2.7%
64.2%	3,576	3,358	-218	-6.1%
65.4%	3,358	3,228	-130	-3.9%
66.7%	3,172	3,179	7	0.2%
67.9%	3,060	2,941	-119	-3.9%
69.1%	2,999	2,888	-111	-3.7%
70.4%	2,941	2,825	-116	-3.9%
71.6%	2,888	2,793	-96	-3.3%
72.8%	2,825	2,791	-34	-1.2%
74.1%	2,813	2,782	-31	-1.1%
75.3%	2,793	2,738	-55	-1.9%
76.5%	2,791	2,734	-56	-2.0%
77.8%	2,782	2,699	-84	-3.0%
79.0%	2,738	2,664	-74	-2.7%
80.2%	2,734	2,600	-135	-4.9%
81.5%	2,699	2,565	-134	-4.9%
82.7%	2,600	2,554	-46	-1.8%
84.0%	2,550	2,550	0	0.0%
85.2%	2,548	2,548	0	0.0%
86.4%	2,273	2,273	0	0.0%
87.7%	2,222	2,222	0	0.0%
88.9%	2,207	2,138	-69	-3.1%
90.1%	2,138	2,032	-105	-4.9%
91.4%	2,032	2,020	-12	-0.6%
92.6%	1,982	1,982	0	0.0%
93.8%	1,968	1,977	9	0.5%
95.1%	1,832	1,972	140	7.7%
96.3%	1,785	1,832	46	2.6%
97.5%	1,739	1,785	46	2.7%
98.8%	1,711	1,711	0	0.0%
100.0%	1,688	1,688	0	0.0%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	47,953	47,952	-1	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,117	-1	0.0%
3.7%	33,152	35,111	1,959	5.9%
4.9%	27,878	27,380	-498	-1.8%
6.2%	27,382	27,213	-169	-0.6%
7.4%	24,984	24,883	-101	-0.4%
8.6%	20,294	20,294	0	0.0%
9.9%	20,193	20,191	-2	0.0%
11.1%	18,307	18,305	-2	0.0%
12.3%	17,849	17,845	-4	0.0%
13.6%	17,403	17,286	-117	-0.7%
14.8%	17,110	17,109	-1	0.0%
16.0%	16,929	16,929	0	0.0%
17.3%	16,374	16,374	1	0.0%
18.5%	15,503	15,483	-20	-0.1%
19.8%	14,997	14,993	-4	0.0%
21.0%	12,938	13,455	517	4.0%
22.2%	12,823	12,939	117	0.9%
23.5%	12,150	12,832	682	5.6%
24.7%	11,145	12,147	1,002	9.0%
25.9%	11,077	11,077	0	0.0%
27.2%	10,941	10,999	58	0.5%
28.4%	10,805	10,941	136	1.3%
29.6%	10,202	10,822	620	6.1%
30.9%	10,111	10,715	604	6.0%
32.1%	9,754	10,111	356	3.7%
33.3%	9,089	9,978	889	9.8%
34.6%	9,001	9,753	752	8.4%
35.8%	8,873	9,715	842	9.5%
37.0%	8,861	9,097	236	2.7%
38.3%	8,617	8,938	321	3.6%
39.5%	8,560	8,614	55	0.6%
40.7%	8,248	8,101	-147	-1.8%
42.0%	8,040	8,019	-21	-0.3%
43.2%	7,886	7,870	-15	-0.2%
44.4%	7,880	7,726	-154	-1.9%
45.7%	6,870	7,530	659	9.6%
46.9%	6,851	6,865	14	0.2%
48.1%	6,763	6,852	89	1.3%
49.4%	6,076	6,763	687	11.3%
50.6%	5,904	6,096	192	3.2%
51.9%	5,583	5,620	37	0.7%
53.1%	5,349	5,306	-43	-0.8%
54.3%	4,347	4,558	212	4.9%
55.6%	3,803	3,803	0	0.0%
56.8%	3,795	3,796	1	0.0%
58.0%	3,778	3,781	3	0.1%
59.3%	3,608	3,778	169	4.7%
60.5%	3,586	3,622	36	1.0%
61.7%	3,574	3,596	22	0.3%
63.0%	3,401	3,574	173	5.1%
64.2%	3,259	3,383	124	3.8%
65.4%	3,183	3,252	69	2.2%
66.7%	3,179	3,240	61	1.9%
67.9%	3,158	3,163	5	0.2%
69.1%	3,021	3,134	113	3.8%
70.4%	2,968	3,058	91	3.1%
71.6%	2,863	3,021	157	5.5%
72.8%	2,809	2,863	54	1.9%
74.1%	2,790	2,809	20	0.7%
75.3%	2,755	2,790	35	1.3%
76.5%	2,748	2,720	-28	-1.0%
77.8%	2,746	2,718	-28	-1.0%
79.0%	2,720	2,680	-40	-1.5%
80.2%	2,718	2,668	-50	-1.8%
81.5%	2,668	2,590	-78	-2.9%
82.7%	2,583	2,583	0	0.0%
84.0%	2,496	2,487	-9	-0.3%
85.2%	2,487	2,331	-157	-6.3%
86.4%	2,331	2,211	-120	-5.2%
87.7%	2,222	2,206	-16	-0.7%
88.9%	2,168	2,179	11	0.5%
90.1%	2,100	2,099	-1	0.0%
91.4%	2,024	2,098	74	3.6%
92.6%	1,886	1,942	56	2.9%
93.8%	1,830	1,896	66	3.6%
95.1%	1,828	1,873	45	2.5%
96.3%	1,747	1,830	83	4.8%
97.5%	1,696	1,696	0	0.0%
98.8%	1,657	1,657	0	0.0%
100.0%	1,558	1,558	0	0.0%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,264	-2	0.0%
2.5%	19,254	19,254	0	0.0%
3.7%	18,447	18,446	-1	0.0%
4.9%	18,372	18,372	-1	0.0%
6.2%	15,100	15,097	-3	0.0%
7.4%	14,552	14,571	19	0.1%
8.6%	13,680	13,680	-1	0.0%
9.9%	13,327	13,323	-4	0.0%
11.1%	12,224	12,223	-1	0.0%
12.3%	11,986	11,986	0	0.0%
13.6%	11,073	11,094	21	0.2%
14.8%	10,588	10,593	5	0.1%
16.0%	10,251	10,251	0	0.0%
17.3%	9,552	9,552	0	0.0%
18.5%	8,543	8,542	-1	0.0%
19.8%	8,226	8,225	-1	0.0%
21.0%	8,065	8,064	-1	0.0%
22.2%	7,643	7,641	-2	0.0%
23.5%	7,360	7,473	114	1.5%
24.7%	6,549	6,550	1	0.0%
25.9%	6,363	6,363	1	0.0%
27.2%	5,591	5,592	1	0.0%
28.4%	5,199	5,199	0	0.0%
29.6%	5,119	5,119	0	0.0%
30.9%	5,012	5,012	0	0.0%
32.1%	4,894	4,894	0	0.0%
33.3%	4,076	4,076	-1	0.0%
34.6%	4,703	4,703	0	0.0%
35.8%	4,684	4,684	0	0.0%
37.0%	4,367	3,894	-473	-10.8%
38.3%	3,894	3,892	-2	0.0%
39.5%	3,802	3,796	-6	-0.1%
40.7%	3,796	3,762	-35	-0.9%
42.0%	3,793	3,751	-42	-1.1%
43.2%	3,762	3,721	-41	-1.1%
44.4%	3,751	3,651	-100	-2.7%
45.7%	3,721	3,590	-131	-3.5%
46.9%	3,651	3,561	-90	-2.4%
48.1%	3,590	3,532	-58	-1.6%
49.4%	3,561	3,485	-76	-2.1%
50.6%	3,532	3,426	-106	-3.0%
51.9%	3,426	3,357	-69	-2.0%
53.1%	3,316	3,315	-1	0.0%
54.3%	3,302	3,302	0	0.0%
55.6%	3,273	3,273	0	0.0%
56.8%	3,205	3,205	0	0.0%
58.0%	3,204	3,204	0	0.0%
59.3%	3,179	2,885	-294	-9.2%
60.5%	2,888	2,856	-32	-1.1%
61.7%	2,856	2,813	-42	-1.5%
63.0%	2,813	2,722	-91	-3.2%
64.2%	3,033	2,646	-387	-12.8%
65.4%	2,672	2,637	-35	-1.3%
66.7%	2,646	2,625	-21	-0.8%
67.9%	2,637	2,542	-95	-3.6%
69.1%	2,631	2,519	-111	-4.2%
70.4%	2,544	2,423	-121	-4.7%
71.6%	2,423	2,389	-34	-1.4%
72.8%	2,393	2,312	-81	-3.4%
74.1%	2,312	2,306	-6	-0.3%
75.3%	2,306	2,276	-30	-1.3%
76.5%	2,274	2,274	0	0.0%
77.8%	2,224	2,067	-157	-7.1%
79.0%	2,067	2,062	-5	-0.2%
80.2%	2,062	2,032	-30	-1.4%
81.5%	2,047	2,019	-28	-1.4%
82.7%	2,019	1,968	-51	-2.5%
84.0%	2,015	1,948	-67	-3.3%
85.2%	1,969	1,822	-147	-7.4%
86.4%	1,822	1,822	0	0.0%
87.7%	1,822	1,804	-18	-1.0%
88.9%	1,819	1,735	-84	-4.6%
90.1%	1,804	1,713	-91	-5.0%
91.4%	1,735	1,689	-46	-2.6%
92.6%	1,693	1,580	-113	-6.7%
93.8%	1,576	1,5		

Table SW-46-3b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,948	37	0.2%
1.2%	18,222	18,267	-4	-0.0%
2.5%	18,222	18,220	-2	0.0%
3.7%	16,683	16,579	-4	0.0%
4.9%	16,040	16,037	-3	0.0%
6.2%	14,993	15,046	53	0.4%
7.4%	14,946	14,946	0	0.0%
8.6%	11,675	11,971	296	2.5%
9.9%	11,118	11,613	495	4.5%
11.1%	10,824	11,283	460	4.2%
12.3%	9,851	10,344	493	5.0%
13.6%	9,592	9,675	83	0.9%
14.8%	8,013	8,480	467	5.8%
16.0%	7,914	7,918	3	0.0%
17.3%	7,548	7,563	15	0.2%
18.5%	7,537	7,559	22	0.3%
19.8%	6,889	6,882	-9	-0.1%
21.0%	6,882	6,704	-177	-2.6%
22.2%	6,350	6,391	41	0.6%
23.5%	6,347	6,358	11	0.2%
24.7%	6,003	5,990	-13	-0.2%
25.9%	5,976	6,825	+152	+2.5%
27.2%	5,746	5,762	16	0.3%
28.4%	5,710	5,607	-103	-1.8%
29.6%	5,647	5,579	-68	-1.2%
30.9%	5,552	5,517	-35	-0.6%
32.1%	5,406	5,424	18	0.3%
33.3%	5,398	5,340	-58	-1.1%
34.6%	5,172	5,281	109	2.1%
35.8%	5,087	5,233	145	2.9%
37.0%	5,054	5,187	134	2.6%
38.3%	4,821	4,972	151	3.1%
39.5%	4,804	5,169	365	7.6%
40.7%	4,799	5,168	369	7.7%
42.0%	4,774	5,100	326	6.8%
43.2%	4,758	5,091	333	7.0%
44.4%	4,617	5,062	429	9.3%
45.7%	4,617	4,977	360	7.8%
46.9%	4,606	4,954	348	7.5%
48.1%	4,586	4,944	359	7.8%
49.4%	4,549	4,898	348	7.7%
50.6%	4,531	4,877	346	7.6%
51.9%	4,502	4,806	304	6.8%
53.1%	4,477	4,620	142	3.2%
54.3%	4,419	4,577	158	3.6%
55.6%	4,392	4,533	141	3.2%
56.8%	4,326	4,411	84	2.0%
58.0%	4,324	4,398	73	1.7%
59.3%	4,309	4,393	84	1.9%
60.5%	4,298	4,385	88	2.0%
61.7%	4,208	4,355	146	3.5%
63.0%	4,158	4,330	172	4.1%
64.2%	4,003	4,306	303	7.6%
65.4%	3,969	4,284	316	8.0%
66.7%	3,855	4,276	421	10.9%
67.9%	3,849	4,225	376	9.8%
69.1%	3,822	4,193	371	9.7%
70.4%	3,780	4,066	286	7.6%
71.6%	3,740	4,019	279	7.5%
72.8%	3,735	4,009	274	7.3%
74.1%	3,727	3,970	243	6.5%
75.3%	3,722	3,882	160	4.3%
76.5%	3,704	3,823	119	3.2%
77.8%	3,575	3,649	74	2.1%
79.0%	3,571	3,593	22	0.6%
80.2%	3,560	3,512	-49	-1.4%
81.5%	3,559	3,504	-55	-1.5%
82.7%	3,516	3,429	-86	-2.4%
84.0%	3,510	3,300	-210	-6.0%
85.2%	3,377	3,263	-114	-3.4%
86.4%	3,325	3,006	-319	-9.6%
87.7%	3,090	2,975	-115	-3.7%
88.9%	2,910	2,947	37	1.3%
90.1%	2,897	2,893	-4	-0.2%
91.4%	2,885	2,888	3	0.1%
92.6%	2,880	2,884	-26	-0.9%
93.8%	2,865	2,847	-19	-0.6%
95.1%	2,751	2,657	-95	-3.4%
96.3%	2,603	2,606	3	0.1%
97.5%	2,235	2,422	186	8.3%
98.8%	2,167	2,410	243	11.2%
100.0%	1,560	2,115	555	35.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,031	-34	-0.3%
1.2%	11,039	11,039	-68	-0.7%
2.5%	11,282	11,128	-154	-1.4%
3.7%	11,127	11,071	-56	-0.5%
4.9%	11,123	10,993	-130	-1.2%
6.2%	10,994	10,984	-10	-0.1%
7.4%	10,984	10,734	-251	-2.3%
8.6%	10,915	10,712	-202	-1.9%
9.9%	10,785	10,710	-74	-0.7%
11.1%	10,677	10,677	0	0.0%
12.3%	10,675	10,676	2	0.0%
13.6%	10,672	10,672	-1	0.0%
14.8%	10,672	10,670	-2	0.0%
16.0%	10,671	10,670	-1	0.0%
17.3%	10,671	10,647	-24	-0.2%
18.5%	10,615	10,490	-125	-1.2%
19.8%	10,581	10,480	-101	-1.0%
21.0%	10,558	10,472	-86	-0.8%
22.2%	10,491	10,471	-21	-0.2%
23.5%	10,475	10,379	-95	-0.9%
24.7%	10,424	10,310	-114	-1.1%
25.9%	10,221	10,240	19	0.2%
27.2%	10,263	10,205	-58	-0.6%
28.4%	10,083	10,102	18	0.2%
29.6%	10,079	10,005	-74	-0.7%
30.9%	9,973	9,940	-33	-0.3%
32.1%	9,922	9,929	7	0.1%
33.3%	9,786	9,827	41	0.4%
34.6%	9,686	9,820	135	1.4%
35.8%	9,605	9,760	155	1.6%
37.0%	9,561	9,748	186	1.9%
38.3%	9,352	9,658	307	3.3%
39.5%	9,503	9,415	-88	-0.9%
40.7%	9,497	9,374	-123	-1.3%
42.0%	9,443	9,362	-81	-0.9%
43.2%	9,363	9,350	-13	-0.1%
44.4%	9,348	9,320	-28	-0.3%
45.7%	9,339	9,195	-144	-1.5%
46.9%	9,314	9,293	-21	-0.2%
48.1%	9,312	9,293	-19	-0.2%
49.4%	9,296	9,291	-5	-0.1%
50.6%	9,266	9,272	7	0.1%
51.9%	9,243	9,234	-9	-0.1%
53.1%	9,242	9,177	-65	-0.7%
54.3%	9,202	9,158	-43	-0.5%
55.6%	9,188	9,154	-34	-0.4%
56.8%	9,184	9,131	-53	-0.6%
58.0%	9,141	9,123	-18	-0.2%
59.3%	9,130	8,930	-200	-2.2%
60.5%	9,094	8,908	-186	-2.0%
61.7%	9,041	8,849	-192	-2.1%
63.0%	9,006	8,796	-210	-2.3%
64.2%	8,957	8,656	-301	-3.4%
65.4%	8,867	8,542	-325	-3.7%
66.7%	8,800	8,524	-275	-3.1%
67.9%	8,787	8,462	-325	-3.5%
69.1%	8,773	8,425	-348	-4.0%
70.4%	8,651	8,320	-330	-3.8%
71.6%	8,458	8,207	-251	-3.0%
72.8%	8,272	8,130	-142	-1.7%
74.1%	7,965	7,815	-149	-1.9%
75.3%	7,878	7,599	-280	-3.6%
76.5%	7,786	7,569	-217	-2.8%
77.8%	7,727	7,529	-198	-2.6%
79.0%	7,480	7,426	-53	-0.7%
80.2%	7,281	7,317	36	0.5%
81.5%	6,964	7,271	308	4.4%
82.7%	6,828	7,087	259	3.8%
84.0%	6,244	7,012	768	12.3%
85.2%	5,797	6,658	860	14.8%
86.4%	5,785	6,442	656	11.3%
87.7%	5,525	6,405	880	15.9%
88.9%	5,707	6,364	657	11.5%
90.1%	5,434	5,797	364	6.7%
91.4%	5,387	5,735	348	6.5%
92.6%	5,344	5,610	266	5.0%
93.8%	5,218	5,428	210	4.0%
95.1%	5,102	5,407	306	6.0%
96.3%	4,447	5,276	830	18.7%
97.5%	2,541	4,840	2,299	90.5%
98.8%	1,651	1,697	46	2.8%
100.0%	1,566	1,565	-1	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,191	159	1.8%
1.2%	8,979	9,108	129	1.4%
2.5%	8,792	9,014	221	2.5%
3.7%	8,780	9,010	230	2.6%
4.9%	8,596	8,930	333	3.9%
6.2%	8,541	8,812	271	3.2%
7.4%	8,378	8,708	330	3.9%
8.6%	8,340	8,626	286	3.4%
9.9%	8,353	8,588	235	2.8%
11.1%	8,320	8,553	233	2.8%
12.3%	8,223	8,404	181	2.2%
13.6%	8,201	8,391	190	2.3%
14.8%	8,129	8,378	239	2.9%
16.0%	8,032	8,342	310	3.9%
17.3%	7,997	8,305	308	3.9%
18.5%	7,959	8,296	337	4.2%
19.8%	7,852	8,277	425	5.4%
21.0%	7,841	8,132	291	3.7%
22.2%	7,792	8,131	339	4.4%
23.5%	7,777	8,080	303	3.9%
24.7%	7,731	8,064	333	4.3%
25.9%	7,718	7,981	264	3.4%
27.2%	7,721	7,911	239	3.1%
28.4%	7,642	7,893	251	3.3%
29.6%	7,632	7,742	110	1.4%
30.9%	7,607	7,679	72	0.9%
32.1%	7,594	7,607	13	0.2%
33.3%	7,549	7,603	53	0.7%
34.6%	7,524	7,495	-29	-0.4%
35.8%	7,518	7,337	-181	-2.4%
37.0%	7,433	7,265	-168	-2.3%
38.3%	7,400	7,092	-308	-4.2%
39.5%	7,396	6,966	-430	-5.8%
40.7%	7,359	6,948	-411	-5.6%
42.0%	7,356	6,932	-424	-5.8%
43.2%	7,271	6,844	-427	-5.9%
44.4%	7,137	6,752	-385	-5.4%
45.7%	7,120	6,685	-436	-6.1%
46.9%	7,081	6,175	-905	-12.8%
48.1%	6,993	6,016	-977	-14.0%
49.4%	6,984	6,005	-979	-14.0%
50.6%	6,983	5,985	-997	-14.3%
51.9%	6,895	5,961	-933	-13.5%
53.1%	6,881	5,884	-998	-14.5%
54.3%	6,844	5,827	-1,017	-14.9%
55.6%	6,804	5,817	-987	-14.9%
56.8%	6,586	5,575	-1,011	-15.4%
58.0%	6,525	5,497	-1,028	-15.8%
59.3%	6,357	5,414	-943	-14.8%
60.5%	6,252	5,298	-954	-15.3%
61.7%	5,941	5,249	-693	-11.7%
63.0%	5,924	5,169	-755	-12.8%
64.2%	5,741	4,985	-756	-13.2%
65.4%	5,376	4,969	-407	-7.6%
66.7%	5,273	4,849	-424	-8.0%
67.9%	4,836	4,822	-14	-0.3%
69.1%	4,789	4,799	11	0.2%
70.4%	4,658	4,790	132	2.8%
71.6%	4,376	4,749	373	8.5%
72.8%	4,141	4,691	550	13.3%
74.1%	4,096	4,687	591	14.4%
75.3%	3,985	4,640	656	16.5%
76.5%	3,716	4,215	499	13.4%
77.8%	3,493	4,161	668	19.1%
79.0%	3,490	4,121	631	18.1%
80.2%	3,278	4,091	813	24.8%
81.5%	3,159	4,071	913	28.9%
82.7%	3,123	3,984	861	27.6%
84.0%	2,918	3,951	1,034	35.4%
85.2%	2,675	3,897	1,222	45.7%
86.4%	2,572	3,878	1,306	50.8%
87.7%	2,488	3,852	1,364	54.8%
88.9%	2,266	3,564	1,298	57.3%
90.1%	2,188	2,958	770	35.2%
91.4%	1,827	1		

Table SW-47-3a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative A	1,416	2,642	3,282	4,329	4,972	3,616	3,080	3,241	3,194	2,932	2,367	2,474
Difference	62	-10	94	38	2	45	29	19	-42	-416	132	2
Percent Difference ³	4.6%	-0.4%	2.9%	0.9%	0.0%	1.3%	0.9%	0.6%	-1.3%	-12.4%	5.9%	0.1%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative A	1,626	3,787	3,606	8,626	8,992	5,914	4,996	5,711	5,482	3,287	3,135	3,813
Difference	156	-20	86	72	3	-1	0	0	19	-294	142	-262
Percent Difference	10.6%	-0.5%	2.5%	0.8%	0.0%	0.0%	0.0%	0.0%	0.4%	-8.2%	4.8%	-6.4%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative A	1,382	2,643	2,982	4,637	6,186	5,276	3,234	3,408	2,880	3,621	2,539	2,820
Difference	5	-8	150	162	51	57	-4	-3	-78	-500	184	-56
Percent Difference	0.4%	-0.3%	5.3%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.6%	-12.1%	7.8%	-1.9%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative A	1,649	3,371	3,946	2,256	3,979	2,265	2,922	2,609	2,320	3,324	2,371	2,357
Difference	127	109	53	67	-84	-7	139	53	-30	-1,223	255	501
Percent Difference	8.3%	3.4%	1.4%	3.1%	-2.1%	-0.3%	5.0%	2.1%	-1.3%	-26.9%	12.0%	27.0%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative A	1,287	1,660	4,134	1,552	1,718	2,043	1,609	1,511	2,093	2,712	1,929	1,446
Difference	-14	-26	182	-71	36	123	-87	28	-2	-259	-115	55
Percent Difference	-1.0%	-1.5%	4.6%	-4.4%	2.1%	6.4%	-5.1%	1.9%	-0.1%	-8.7%	-5.6%	4.0%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative A	914	781	824	1,299	1,087	911	1,165	1,057	1,220	1,346	1,181	908
Difference	-46	-107	-33	-34	2	76	171	27	-214	111	287	-28
Percent Difference	-4.8%	-12.0%	-3.8%	-2.5%	0.1%	9.1%	17.2%	2.6%	-14.9%	9.0%	32.1%	-3.0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

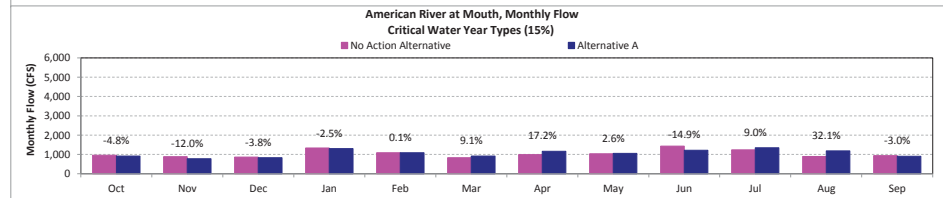
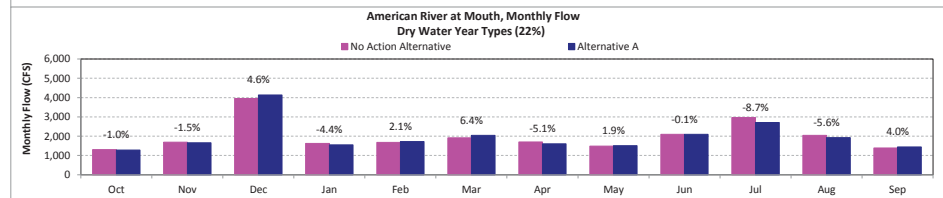
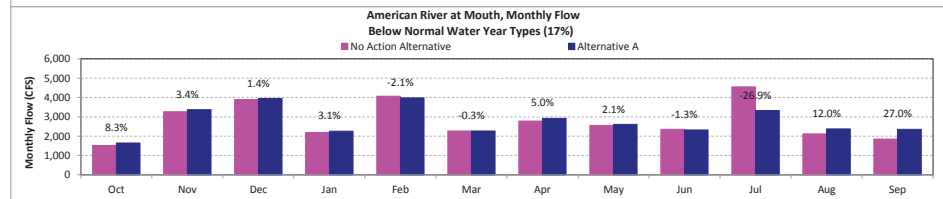
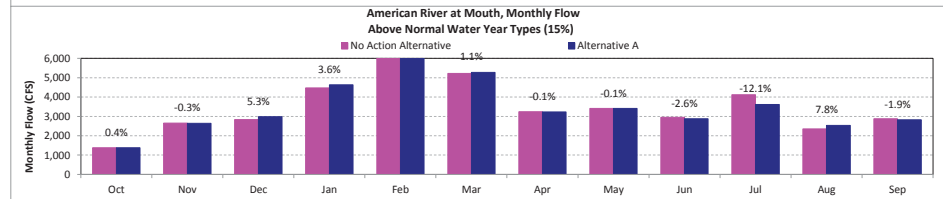
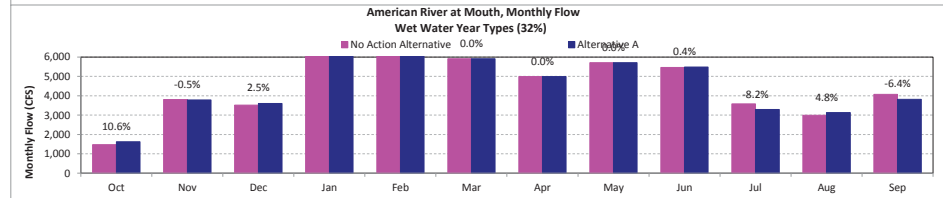
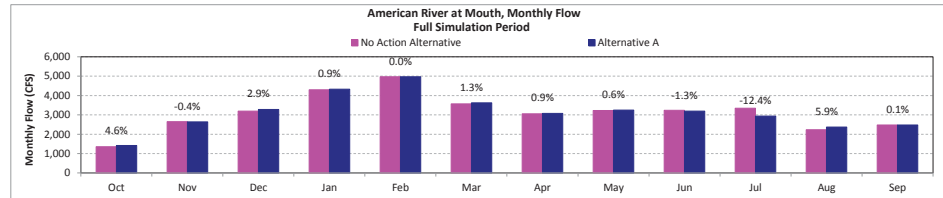


Figure SW-47-3b
American River at Mouth, Monthly Flow
Probability of Exceedance

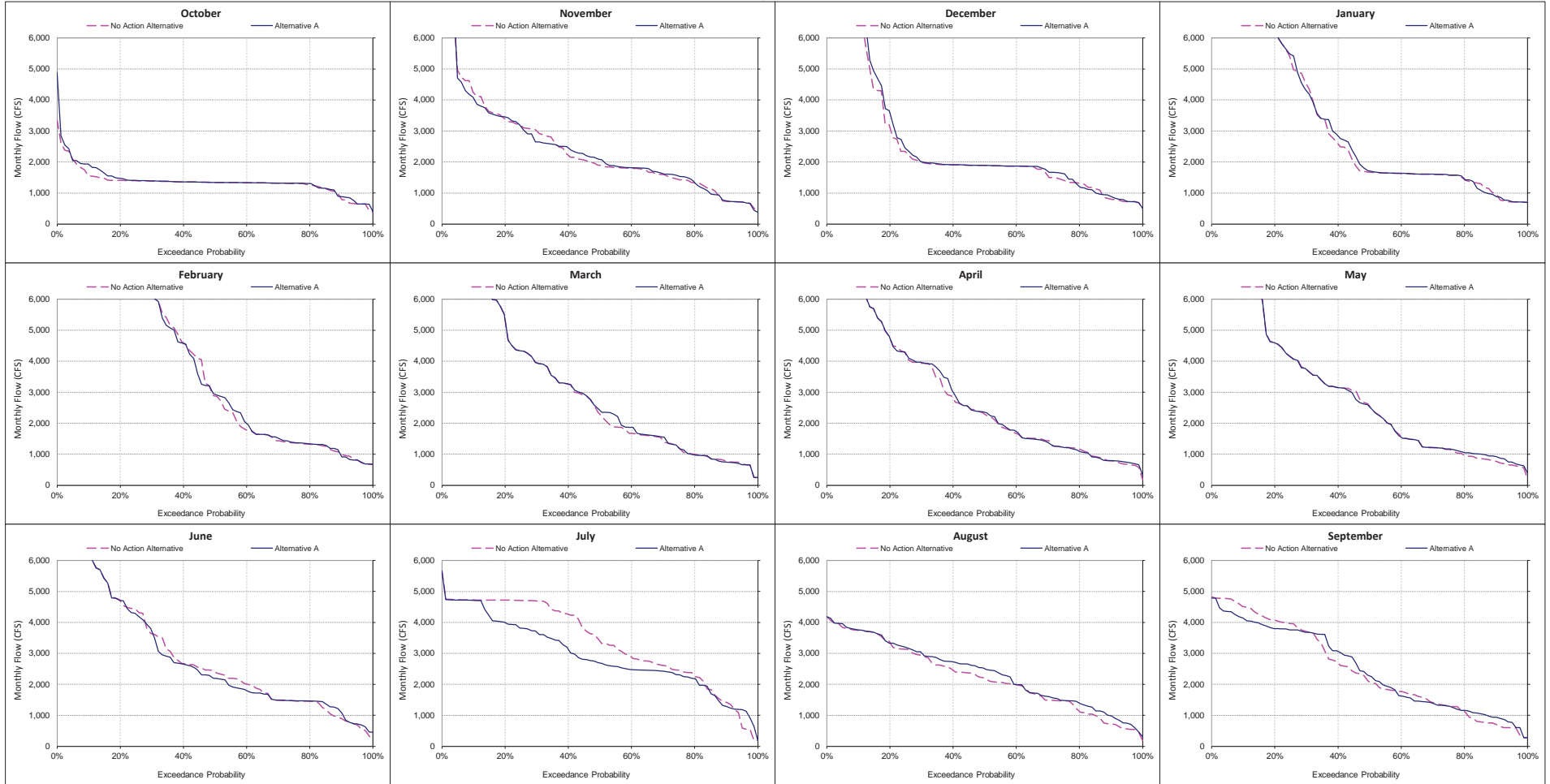


Table SW-47-3b
American River at Mouth, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	3,352	4,882	1,530	45.6%
1.2%	2,843	2,843	240	9.2%
2.5%	2,376	2,543	167	7.0%
3.7%	2,348	2,433	84	3.6%
4.9%	2,096	2,046	-50	-2.4%
6.2%	1,936	2,046	110	5.7%
7.4%	1,824	1,955	131	7.2%
8.6%	1,750	1,939	188	10.8%
9.9%	1,554	1,936	382	24.6%
11.1%	1,543	1,830	287	18.6%
12.3%	1,526	1,820	294	19.2%
13.6%	1,492	1,741	249	16.7%
14.8%	1,482	1,651	168	11.3%
16.0%	1,412	1,553	141	10.0%
17.3%	1,409	1,552	143	10.1%
18.5%	1,408	1,489	81	5.7%
19.8%	1,406	1,477	71	5.1%
21.0%	1,403	1,455	52	3.7%
22.2%	1,403	1,413	11	0.8%
23.5%	1,399	1,408	9	0.7%
24.7%	1,397	1,405	8	0.6%
25.9%	1,394	1,398	4	0.3%
27.2%	1,393	1,397	4	0.3%
28.4%	1,387	1,396	8	0.6%
29.6%	1,386	1,390	4	0.3%
30.9%	1,382	1,389	7	0.5%
32.1%	1,378	1,386	8	0.6%
33.3%	1,378	1,386	8	0.6%
34.6%	1,377	1,385	8	0.6%
35.8%	1,374	1,377	3	0.2%
37.0%	1,363	1,361	-1	-0.1%
38.3%	1,359	1,361	2	0.1%
39.5%	1,357	1,357	0	0.0%
40.7%	1,357	1,357	0	0.0%
42.0%	1,357	1,356	-1	-0.1%
43.2%	1,356	1,355	-1	-0.1%
44.4%	1,353	1,352	-1	-0.1%
45.7%	1,350	1,349	-1	-0.1%
46.9%	1,348	1,348	0	0.0%
48.1%	1,345	1,342	-2	-0.2%
49.4%	1,344	1,342	-2	-0.1%
50.6%	1,342	1,341	-1	-0.1%
51.9%	1,341	1,341	0	0.0%
53.1%	1,341	1,341	1	0.0%
54.3%	1,340	1,338	-2	-0.2%
55.6%	1,340	1,338	-2	-0.2%
56.8%	1,337	1,336	-1	-0.1%
58.0%	1,336	1,336	0	0.0%
59.3%	1,335	1,333	-2	-0.2%
60.5%	1,335	1,332	-3	-0.2%
61.7%	1,334	1,330	-3	-0.3%
63.0%	1,333	1,330	-3	-0.2%
64.2%	1,331	1,327	-4	-0.3%
65.4%	1,329	1,326	-3	-0.3%
66.7%	1,325	1,325	0	0.0%
67.9%	1,317	1,324	7	0.5%
69.1%	1,316	1,324	7	0.6%
70.4%	1,316	1,322	7	0.5%
71.6%	1,314	1,317	3	0.3%
72.8%	1,313	1,316	3	0.2%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,315	8	0.6%
76.5%	1,306	1,313	7	0.6%
77.8%	1,305	1,312	8	0.6%
79.0%	1,271	1,308	37	2.9%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,237	6	0.5%
82.7%	1,210	1,162	-48	-3.9%
84.0%	1,166	1,156	-10	-0.8%
85.2%	1,128	1,146	18	1.6%
86.4%	1,082	1,112	30	2.8%
87.7%	1,053	1,089	36	3.4%
88.9%	969	897	-72	-7.4%
90.1%	784	880	97	12.4%
91.4%	771	864	92	12.0%
92.6%	673	848	175	26.0%
93.8%	663	763	100	15.0%
95.1%	644	643	-1	0.0%
96.3%	643	644	1	0.2%
97.5%	641	643	2	0.3%
98.8%	433	641	208	48.1%
100.0%	393	393	0	0.0%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	17,212	16,829	-583	-3.4%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,367	585	8.6%
4.9%	4,957	4,705	-252	-5.1%
6.2%	4,731	4,577	-154	-3.3%
7.4%	4,328	4,307	-21	-0.5%
8.6%	4,621	4,181	-439	-9.5%
9.9%	4,251	4,084	-166	-3.9%
11.1%	4,110	3,859	-251	-6.1%
12.3%	4,109	3,805	-305	-7.4%
13.6%	3,805	3,751	-54	-1.4%
14.8%	3,636	3,589	-47	-1.3%
16.0%	3,582	3,543	-38	-1.1%
17.3%	3,566	3,498	-67	-1.9%
18.5%	3,506	3,469	-37	-1.1%
19.8%	3,401	3,462	61	1.8%
21.0%	3,298	3,427	129	3.9%
22.2%	3,295	3,327	32	1.0%
23.5%	3,235	3,301	66	2.0%
24.7%	3,202	3,189	-13	-0.4%
25.9%	3,101	3,024	-77	-2.5%
27.2%	3,085	2,909	-177	-5.7%
28.4%	3,069	2,906	-162	-5.3%
29.6%	3,039	2,648	-391	-12.9%
30.9%	2,817	2,648	-169	-6.0%
32.1%	2,877	2,613	-264	-9.2%
33.3%	2,829	2,598	-231	-8.2%
34.6%	2,803	2,581	-222	-7.9%
35.8%	2,613	2,565	-49	-1.9%
37.0%	2,488	2,508	20	0.8%
38.3%	2,450	2,501	51	2.1%
39.5%	2,263	2,498	235	10.4%
40.7%	2,152	2,391	239	11.1%
42.0%	2,151	2,330	179	8.3%
43.2%	2,091	2,291	200	9.6%
44.4%	2,079	2,275	196	9.4%
45.7%	2,040	2,202	162	7.9%
46.9%	1,983	2,159	176	8.9%
48.1%	1,968	2,151	183	9.3%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,071	187	9.9%
51.9%	1,847	1,943	97	5.2%
53.1%	1,840	1,886	46	2.5%
54.3%	1,826	1,884	57	3.1%
55.6%	1,825	1,854	29	1.6%
56.8%	1,813	1,847	34	1.9%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,814	18	1.0%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,810	33	1.9%
64.2%	1,757	1,797	40	2.3%
65.4%	1,667	1,782	115	6.9%
66.7%	1,625	1,701	75	4.6%
67.9%	1,608	1,662	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,608	20	1.3%
71.6%	1,530	1,608	79	5.1%
72.8%	1,488	1,600	112	7.5%
74.1%	1,480	1,575	95	6.4%
75.3%	1,423	1,535	112	7.8%
76.5%	1,421	1,526	104	7.4%
77.8%	1,404	1,488	83	5.9%
79.0%	1,340	1,434	94	7.0%
80.2%	1,324	1,304	-19	-1.5%
81.5%	1,311	1,205	-106	-8.1%
82.7%	1,240	1,146	-94	-7.6%
84.0%	1,162	1,082	-80	-6.9%
85.2%	1,137	967	-170	-15.0%
86.4%	1,061	943	-118	-11.1%
87.7%	894	949	54	6.0%
88.9%	748	773	25	3.4%
90.1%	725	747	22	3.0%
91.4%	722	731	8	1.2%
92.6%	720	721	0	0.0%
93.8%	716	716	0	0.0%
95.1%	714	708	-6	-0.8%
96.3%	682	682	0	0.0%
97.5%	672	662	-10	-1.6%
98.8%	513	447	-67	-13.0%
100.0%	377	375	-2	-0.5%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	19,792	20,192	400	2.0%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	16,526	646	4.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,765	-4	0.0%
6.2%	12,867	13,309	441	3.4%
7.4%	8,949	8,949	0	0.0%
8.6%	10,745	10,743	-13	-0.2%
9.9%	7,132	7,126	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,384	644	11.2%
13.6%	5,025	5,278	250	5.0%
14.8%	4,349	4,934	584	13.4%
16.0%	4,306	4,689	383	8.9%
17.3%	4,294	4,455	161	3.8%
18.5%	3,212	3,717	505	15.7%
19.8%	3,196	3,656	461	14.4%
21.0%	3,027	3,202	175	5.8%
22.2%	2,742	2,781	39	1.4%
23.5%	2,349	2,731	382	16.3%
24.7%	2,342	2,455	113	4.8%
25.9%	2,221	2,242	21	0.9%
27.2%	2,096	2,220	124	5.9%
28.4%	2,059	2,160	101	4.9%
29.6%	2,002	2,018	16	0.8%
30.9%	1,969	1,988	18	0.9%
32.1%	1,950	1,972	23	1.2%
33.3%	1,934	1,969	35	1.8%
34.6%	1,933	1,950	17	0.9%
35.8%	1,922	1,934	12	0.6%
37.0%	1,918	1,919	0	0.0%
38.3%	1,917	1,918	1	0.1%
39.5%	1,911	1,912	1	0.1%
40.7%	1,911	1,910	-1	0.0%
42.0%	1,899	1,909	10	0.5%
43.2%	1,897	1,908	11	0.6%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,896	0	0.0%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,893	0	0.0%
50.6%	1,884	1,890	6	0.3%
51.9%	1,879	1,884	5	0.3%
53.1%	1,878	1,882	4	0.2%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,874	-2	-0.1%
56.8%	1,872	1,871	-1	-0.1%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,870	-1	0.0%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,869	11	0.6%
63.0%	1,857	1,869	12	0.7%
64.2%	1,856	1,863	7	0.4%
65.4%	1,846	1,861	15	0.8%
66.7%	1,770	1,857	87	4.9%
67.9%	1,767	1,812	44	2.5%
69.1%	1,666	1,769	103	6.2%
70.4%	1,602	1,668	66	4.1%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,661	175	11.8%
74.1%	1,441	1,640	199	13.8%
75.3%	1,400	1,617	217	15.5%
76.5%	1,342	1,452	110	8.2%
77.8%	1,340	1,441	100	7.5%
79.0%	1,333	1,296	-36	-2.7%
80.2%	1,303	1,178	-125	-9.6%
81.5%	1,285	1,164	-121	-9.4%
82.7%	1,181	1,115	-66	-5.6%
84.0%	1,178	1,105	-73	-6.2%
85.2%	1,132	1,085	-47	-4.2%
86.4%	1,094	962	-132	-12.1%
87.7%	852	946	95	11.1%
88.9%	829	959	130	15.7%
90.1%	799	881	82	10.2%
91.4%	790	832	43	5.4%
92.6%	786	799	14	1.4%
93.8%	731	790	59	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	719	0	0.0%
98.8%	689	689	0	0.0%
100.				

Table SW-47-3b
American River at Mouth, Monthly Flow
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,661	15,661	-7	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,454	0	0.0%
4.9%	13,388	13,388	-1	0.0%
6.2%	13,055	13,040	-15	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,308	0	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,187	-9	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,507	0	0.0%
14.8%	10,012	10,006	-6	-0.1%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,185	9,153	-32	-0.3%
21.0%	7,881	8,089	208	2.6%
22.2%	7,868	7,881	13	0.2%
23.5%	7,716	7,863	148	1.9%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,023	-7	-0.1%
27.2%	6,732	6,578	-154	-2.3%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,074	-1	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,394	-157	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,884	4,821	-63	-1.3%
39.5%	4,621	4,592	-29	-0.6%
40.7%	4,549	4,549	-1	0.0%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	3,594	-497	-12.1%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,221	-73	-2.2%
48.1%	3,218	3,211	-7	-0.2%
49.4%	2,895	2,958	63	2.2%
50.6%	2,865	2,907	43	1.5%
51.9%	2,723	2,864	141	5.2%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,659	264	11.0%
55.6%	2,347	2,441	94	4.0%
56.8%	2,066	2,376	310	15.0%
58.0%	1,895	2,337	442	23.3%
59.3%	1,814	2,064	251	13.8%
60.5%	1,754	1,944	190	10.8%
61.7%	1,747	1,724	-24	-1.4%
63.0%	1,646	1,646	0	0.0%
64.2%	1,642	1,642	0	0.0%
65.4%	1,640	1,640	0	0.0%
66.7%	1,622	1,622	0	0.0%
67.9%	1,556	1,565	9	0.5%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,502	68	4.7%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,435	41	3.0%
74.1%	1,371	1,393	23	1.6%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,318	44	3.4%
85.2%	1,253	1,283	30	2.4%
86.4%	1,152	1,194	42	3.7%
87.7%	1,103	1,188	84	7.7%
88.9%	1,083	1,152	68	6.3%
90.1%	986	912	-73	-7.4%
91.4%	954	911	-43	-4.5%
92.6%	936	830	-107	-11.4%
93.8%	842	815	-26	-3.1%
95.1%	815	813	-2	-0.3%
96.3%	731	747	16	2.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,571	0	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,420	544	4.6%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,448	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,425	631	8.1%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,671	175	3.9%
22.2%	4,497	4,495	-2	0.0%
23.5%	4,368	4,364	-4	-0.1%
24.7%	4,347	4,340	-8	-0.2%
25.9%	4,302	4,302	0	0.0%
27.2%	4,253	4,253	0	0.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,901	3,901	0	0.0%
33.3%	3,831	3,808	-22	-0.6%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,304	0	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,065	67	2.3%
43.2%	2,979	3,010	31	1.0%
44.4%	2,924	2,974	50	1.7%
45.7%	2,880	2,886	7	0.2%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,590	-1	0.0%
49.4%	2,363	2,472	108	4.6%
50.6%	2,233	2,233	0	0.0%
51.9%	2,080	2,352	271	13.1%
53.1%	1,952	2,342	390	20.0%
54.3%	1,882	2,297	414	22.0%
55.6%	1,872	2,223	351	18.8%
56.8%	1,864	1,932	69	3.7%
58.0%	1,788	1,879	91	5.1%
59.3%	1,678	1,867	189	11.3%
60.5%	1,670	1,865	194	11.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	29	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,591	28	1.8%
69.1%	1,552	1,563	12	0.8%
70.4%	1,383	1,552	169	12.2%
71.6%	1,362	1,346	-16	-1.2%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,297	2	0.2%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,019	-17	-1.6%
79.0%	1,014	998	-16	-1.5%
80.2%	1,000	973	-27	-2.7%
81.5%	974	961	-14	-1.4%
82.7%	969	957	-12	-1.2%
84.0%	932	953	21	2.2%
85.2%	865	846	-19	-2.1%
86.4%	854	835	-19	-2.3%
87.7%	833	779	-54	-6.4%
88.9%	823	753	-70	-8.5%
90.1%	757	743	-15	-2.0%
91.4%	753	737	-16	-2.1%
92.6%	743	730	-13	-1.8%
93.8%	705	705	0	0.0%
95.1%	685	664	-21	-3.0%
96.3%	664	664	0	0.0%
97.5%	655	655	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,691	-1	0.0%
7.4%	6,041	6,041	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	-1	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,330	-131	-2.9%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,047	4,047	0	0.0%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,920	-6	-0.2%
33.3%	3,812	3,910	98	2.6%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,679	213	6.1%
37.0%	3,082	3,481	399	13.0%
38.3%	3,023	3,443	420	13.9%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,870	191	7.1%
42.0%	2,643	2,643	0	0.0%
43.2%	2,571	2,571	0	0.0%
44.4%	2,568	2,568	0	0.0%
45.7%	2,453	2,430	-23	-0.9%
46.9%	2,430	2,395	-34	-1.4%
48.1%	2,388	2,381	-7	-0.3%
49.4%	2,339	2,374	35	1.5%
50.6%	2,331	2,339	8	0.3%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,208	94	4.4%
54.3%	1,983	1,983	0	0.0%
55.6%	1,869	1,862	-7	0.0%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,775	72	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,530	-32	-2.0%
63.0%	1,525	1,511	-14	-0.9%
64.2%	1,512	1,503	-9	-0.6%
65.4%	1,511	1,492	-19	-1.3%
66.7%	1,503	1,485	-19	-1.2%
67.9%	1,492	1,450	-42	-2.8%
69.1%	1,450	1,424	-26	-1.8%
70.4%	1,427	1,360	-68	-4.7%
71.6%	1,269	1,269	0	0.0%
72.8%	1,255	1,255	0	0.0%
74.1%	1,236	1,236	0	0.0%
75.3%	1,218	1,218	0	0.0%
76.5%	1,216	1,211	-5	-0.4%
77.8%	1,205	1,170	-35	-2.9%
79.0%	1,198	1,148	-50	-4.2%
80.2%	1,155	1,081	-73	-6.4%
81.5%	1,098	1,054	-43	-3.9%
82.7%	1,054	1,041	-14	-1.3%
84.0%	948	917	-31	-3.2%
85.2%	919	904	-15	-1.6%
86.4%	899	872	-27	-3.0%
87.7%	808	808	0	0.0%
88.9%	798	797	-1	-0.1%
90.1%	783	796	12	1.6%
91.4%	783	791	8	1.1%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	643	-37	-5.4%
96.3%	654	708	55	8.4%
97.5%	640	699	59	9.2%
98.8%	579	665	86	14.9%
100.0%	488	339	-151	-30.9%

May				

Table SW-47-3b
American River at Mouth, Monthly Flow
Probability of Exceedence

Percent Exceedance Probability	June		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,789	-28	-0.6%
18.5%	4,789	4,782	-7	-0.1%
19.8%	4,739	4,713	-26	-0.6%
21.0%	4,541	4,701	160	3.5%
22.2%	4,482	4,444	-38	-0.8%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,188	-128	-3.0%
27.2%	4,294	4,088	-206	-4.8%
28.4%	3,813	3,941	128	3.4%
29.6%	3,647	3,812	165	4.5%
30.9%	3,817	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,957	-544	-15.5%
34.6%	3,143	2,911	-233	-7.4%
35.8%	3,065	2,877	-188	-6.1%
37.0%	2,964	2,699	-165	-5.8%
38.3%	2,776	2,683	-93	-3.4%
39.5%	2,672	2,662	-10	-0.4%
40.7%	2,662	2,639	-23	-0.9%
42.0%	2,639	2,602	-37	-1.4%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,307	-221	-8.8%
46.9%	2,468	2,304	-164	-6.6%
48.1%	2,464	2,287	-176	-7.2%
49.4%	2,447	2,197	-250	-10.2%
50.6%	2,363	2,190	-173	-7.3%
51.9%	2,327	2,164	-163	-7.0%
53.1%	2,296	2,144	-152	-6.6%
54.3%	2,197	1,974	-223	-10.1%
55.6%	2,193	1,911	-282	-12.9%
56.8%	2,176	1,888	-288	-13.2%
58.0%	2,116	1,864	-251	-11.9%
59.3%	2,029	1,839	-191	-9.4%
60.5%	1,997	1,768	-229	-11.5%
61.7%	1,966	1,729	-238	-12.1%
63.0%	1,882	1,720	-161	-8.6%
64.2%	1,839	1,720	-119	-6.5%
65.4%	1,720	1,683	-37	-2.1%
66.7%	1,712	1,679	-33	-2.0%
67.9%	1,495	1,518	23	1.5%
69.1%	1,491	1,495	4	0.3%
70.4%	1,480	1,491	11	0.7%
71.6%	1,480	1,491	11	0.8%
72.8%	1,472	1,478	6	0.4%
74.1%	1,472	1,477	5	0.3%
75.3%	1,468	1,472	4	0.3%
76.5%	1,458	1,472	15	1.0%
77.8%	1,457	1,468	11	0.8%
79.0%	1,457	1,468	11	0.8%
80.2%	1,455	1,458	3	0.2%
81.5%	1,451	1,457	7	0.5%
82.7%	1,403	1,455	51	3.7%
84.0%	1,254	1,447	193	15.4%
85.2%	1,176	1,356	180	15.3%
86.4%	1,045	1,277	232	22.2%
87.7%	980	1,271	292	29.8%
88.9%	946	1,219	273	28.9%
90.1%	889	1,073	184	20.7%
91.4%	814	844	30	3.7%
92.6%	803	776	-27	-3.4%
93.8%	726	729	2	0.2%
95.1%	690	726	36	5.2%
96.3%	550	685	135	24.5%
97.5%	511	629	118	23.1%
98.8%	332	466	134	40.4%
100.0%	188	456	268	142.4%

Percent Exceedance Probability	July		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,743	0	0.0%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,722	-5	-0.1%
7.4%	4,727	4,719	-8	-0.2%
8.6%	4,727	4,717	-10	-0.2%
9.9%	4,726	4,714	-12	-0.2%
11.1%	4,724	4,709	-15	-0.3%
12.3%	4,723	4,702	-21	-0.4%
13.6%	4,723	4,418	-304	-6.4%
14.8%	4,720	4,232	-488	-10.3%
16.0%	4,719	4,048	-672	-14.2%
17.3%	4,719	4,041	-678	-14.4%
18.5%	4,718	4,023	-695	-14.7%
19.8%	4,717	4,007	-711	-15.1%
21.0%	4,717	3,941	-776	-16.5%
22.2%	4,716	3,933	-784	-16.6%
23.5%	4,712	3,930	-782	-16.6%
24.7%	4,709	3,818	-891	-18.9%
25.9%	4,707	3,810	-898	-19.1%
27.2%	4,707	3,787	-920	-19.5%
28.4%	4,702	3,733	-969	-20.6%
29.6%	4,698	3,723	-976	-20.8%
30.9%	4,690	3,605	-1,084	-23.1%
32.1%	4,684	3,603	-1,081	-23.1%
33.3%	4,623	3,519	-1,104	-23.9%
34.6%	4,424	3,480	-943	-21.3%
35.8%	3,473	3,429	-44	-1.3%
37.0%	4,364	3,412	-952	-21.8%
38.3%	4,288	3,281	-1,007	-23.5%
39.5%	4,282	3,204	-1,077	-25.2%
40.7%	4,233	3,008	-1,225	-28.9%
42.0%	4,232	2,979	-1,253	-29.6%
43.2%	4,105	2,859	-1,246	-30.4%
44.4%	4,091	2,803	-1,288	-31.5%
45.7%	4,000	2,800	-1,200	-30.0%
46.9%	3,639	2,767	-872	-24.0%
48.1%	3,615	2,754	-860	-23.8%
49.4%	3,480	2,703	-778	-22.3%
50.6%	3,273	2,674	-598	-18.3%
51.9%	3,319	2,623	-696	-21.0%
53.1%	3,262	2,602	-660	-20.2%
54.3%	3,260	2,585	-675	-20.7%
55.6%	3,123	2,573	-551	-17.6%
56.8%	3,068	2,535	-533	-17.4%
58.0%	2,979	2,507	-472	-15.9%
59.3%	2,939	2,480	-459	-15.6%
60.5%	2,835	2,477	-357	-12.6%
61.7%	2,819	2,470	-349	-12.4%
63.0%	2,772	2,466	-306	-11.0%
64.2%	2,754	2,462	-292	-10.6%
65.4%	2,750	2,453	-297	-10.8%
66.7%	2,706	2,446	-260	-9.6%
67.9%	2,659	2,443	-215	-8.1%
69.1%	2,623	2,441	-182	-6.9%
70.4%	2,609	2,420	-188	-7.2%
71.6%	2,578	2,396	-182	-7.1%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,314	-152	-6.1%
75.3%	2,457	2,310	-147	-6.0%
76.5%	2,396	2,247	-148	-6.2%
77.8%	2,383	2,238	-146	-6.1%
79.0%	2,382	2,199	-183	-7.7%
80.2%	2,247	2,185	-62	-2.8%
81.5%	2,225	1,972	-253	-11.4%
82.7%	2,102	1,968	-134	-6.4%
84.0%	1,849	1,935	86	4.7%
85.2%	1,824	1,696	-128	-7.0%
86.4%	1,644	1,635	-9	-0.5%
87.7%	1,462	1,460	-2	-0.1%
88.9%	1,434	1,314	-120	-8.4%
90.1%	1,413	1,285	-128	-9.1%
91.4%	1,349	1,235	-115	-8.5%
92.6%	1,190	1,200	9	0.8%
93.8%	1,091	1,189	98	9.0%
95.1%	588	1,180	592	100.8%
96.3%	556	1,132	576	103.6%
97.5%	546	935	370	67.7%
98.8%	188	651	463	246.4%
100.0%	188	456	268	142.4%

Percent Exceedance Probability	August		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)		
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	4,137	68	1.7%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	2	0.1%
4.9%	3,838	3,955	117	3.1%
6.2%	3,809	3,838	29	0.8%
7.4%	3,779	3,809	31	0.8%
8.6%	3,757	3,782	25	0.7%
9.9%	3,747	3,757	10	0.3%
11.1%	3,742	3,747	5	0.1%
12.3%	3,717	3,717	0	0.0%
13.6%	3,703	3,703	0	0.0%
14.8%	3,685	3,685	0	0.0%
16.0%	3,634	3,634	0	0.0%
17.3%	3,548	3,593	45	1.3%
18.5%	3,421	3,402	-19	-0.5%
19.8%	3,392	3,330	-62	-1.8%
21.0%	3,192	3,330	138	4.3%
22.2%	3,157	3,268	112	3.5%
23.5%	3,143	3,235	92	2.9%
24.7%	3,136	3,203	67	2.1%
25.9%	3,125	3,161	36	1.1%
27.2%	3,008	3,115	108	3.6%
28.4%	2,967	3,057	90	3.0%
29.6%	2,941	3,052	110	3.7%
30.9%	2,892	2,921	29	1.0%
32.1%	2,862	2,903	41	1.4%
33.3%	2,687	2,891	203	7.6%
34.6%	2,628	2,865	238	9.0%
35.8%	2,625	2,803	178	6.8%
37.0%	2,594	2,751	157	6.1%
38.3%	2,581	2,741	170	7.0%
39.5%	2,501	2,733	232	9.3%
40.7%	2,398	2,708	309	12.9%
42.0%	2,393	2,666	273	11.4%
43.2%	2,391	2,661	270	11.3%
44.4%	2,372	2,658	286	12.1%
45.7%	2,360	2,620	260	11.0%
46.9%	2,323	2,605	282	12.1%
48.1%	2,238	2,539	300	13.4%
49.4%	2,224	2,535	311	14.0%
50.6%	2,173	2,473	315	14.6%
51.9%	2,098	2,460	362	17.2%
53.1%	2,079	2,443	364	17.5%
54.3%	2,074	2,373	299	14.4%
55.6%	2,063	2,304	241	11.7%
56.8%	2,029	2,279	251	12.3%
58.0%	2,020	2,238	219	10.9%
59.3%	2,013	1,997	-16	-0.8%
60.5%	1,982	1,992	10	0.5%
61.7%	1,949	1,991	41	2.1%
63.0%	1,866	1,810	-56	-3.0%
64.2%	1,726	1,739	13	0.7%
65.4%	1,699	1,722	23	1.4%
66.7%	1,667	1,712	46	2.7%
67.9%	1,617	1,642	24	1.5%
69.1%	1,489	1,619	130	8.7%
70.4%	1,489	1,599	110	7.4%
71.6%	1,482	1,557	76	5.1%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	10	0.7%
76.5%	1,466	1,472	5	0.4%
77.8%	1,370	1,470	100	7.3%
79.0%	1,213	1,454	241	19.9%
80.2%	1,102	1,374	273	24.7%
81.5%	1,093	1,331	238	21.8%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,272	231	22.2%
85.2%	993	1,144	152	15.3%
86.4%	922	1,143	222	24.0%
87.7%	750	1,105	355	47.3%
88.9%	728	1,008	280	38.4%
90.1%	723	979	255	35.3%
91.4%	703	897	194	27.6%
92.6%	624	844	220	35.2%
93.8%	57			

Table SW-53-3a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative A	3	4	5	6	7	6	4	4	5	6	5	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference ³	1.2%	0.4%	7.7%	3.1%	2.8%	-1.3%	-3.7%	-3.1%	-3.9%	-1.2%	-2.3%	-3.7%
Water Year Types²												
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative A	4	5	5	11	11	10	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.6%	-5.5%	9.3%	1.7%	0.9%	-0.3%	-0.2%	0.4%	0.8%	-2.6%	-2.6%	-4.1%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative A	3	4	5	7	9	7	4	4	5	6	4	3
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	3.1%	2.1%	10.6%	0.6%	1.7%	-0.4%	0.9%	0.7%	-6.4%	-1.3%	-5.3%	-11.0%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative A	3	3	6	4	5	4	4	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	7.9%	7.0%	7.0%	5.1%	5.3%	-2.4%	1.7%	-2.5%	-7.3%	-0.9%	-6.2%	1.6%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative A	3	3	5	3	4	3	3	3	5	6	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-8.4%	7.7%	6.0%	11.0%	8.9%	-4.3%	-14.6%	-10.9%	-6.6%	0.9%	-3.7%	-4.3%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative A	2	2	3	3	3	2	3	3	5	5	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.7%	0.3%	2.1%	5.0%	4.2%	-3.1%	-15.6%	-8.5%	-4.0%	-1.3%	9.1%	4.8%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

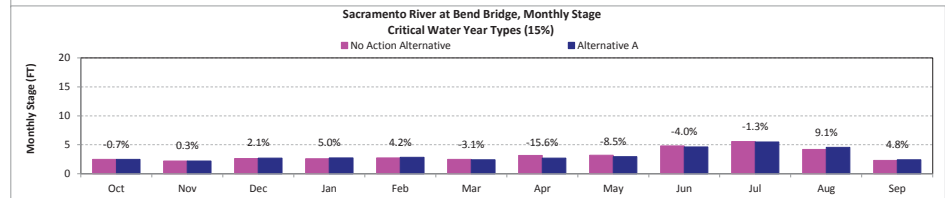
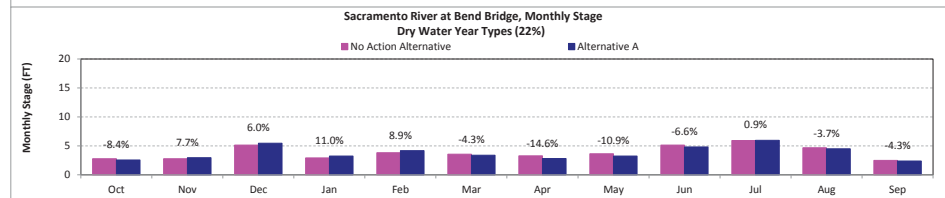
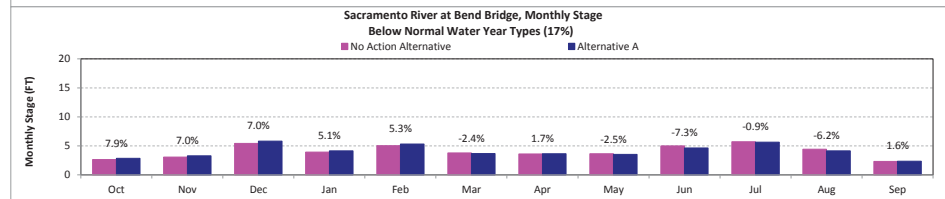
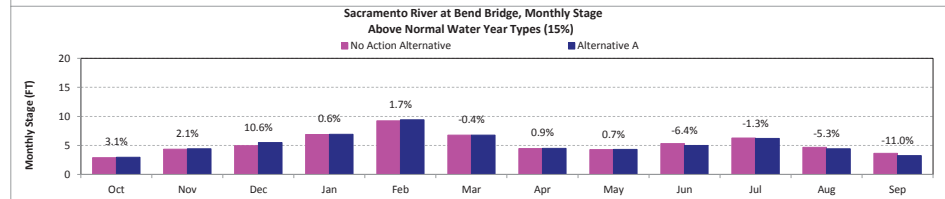
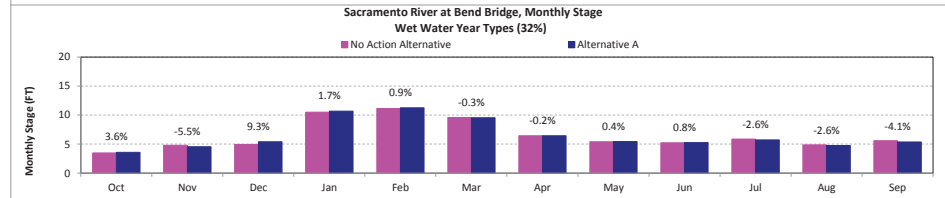
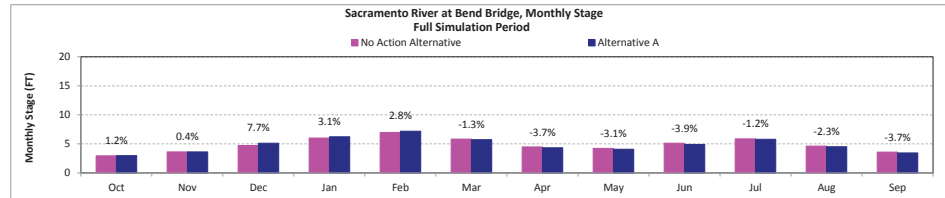


Figure SW-53-3b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

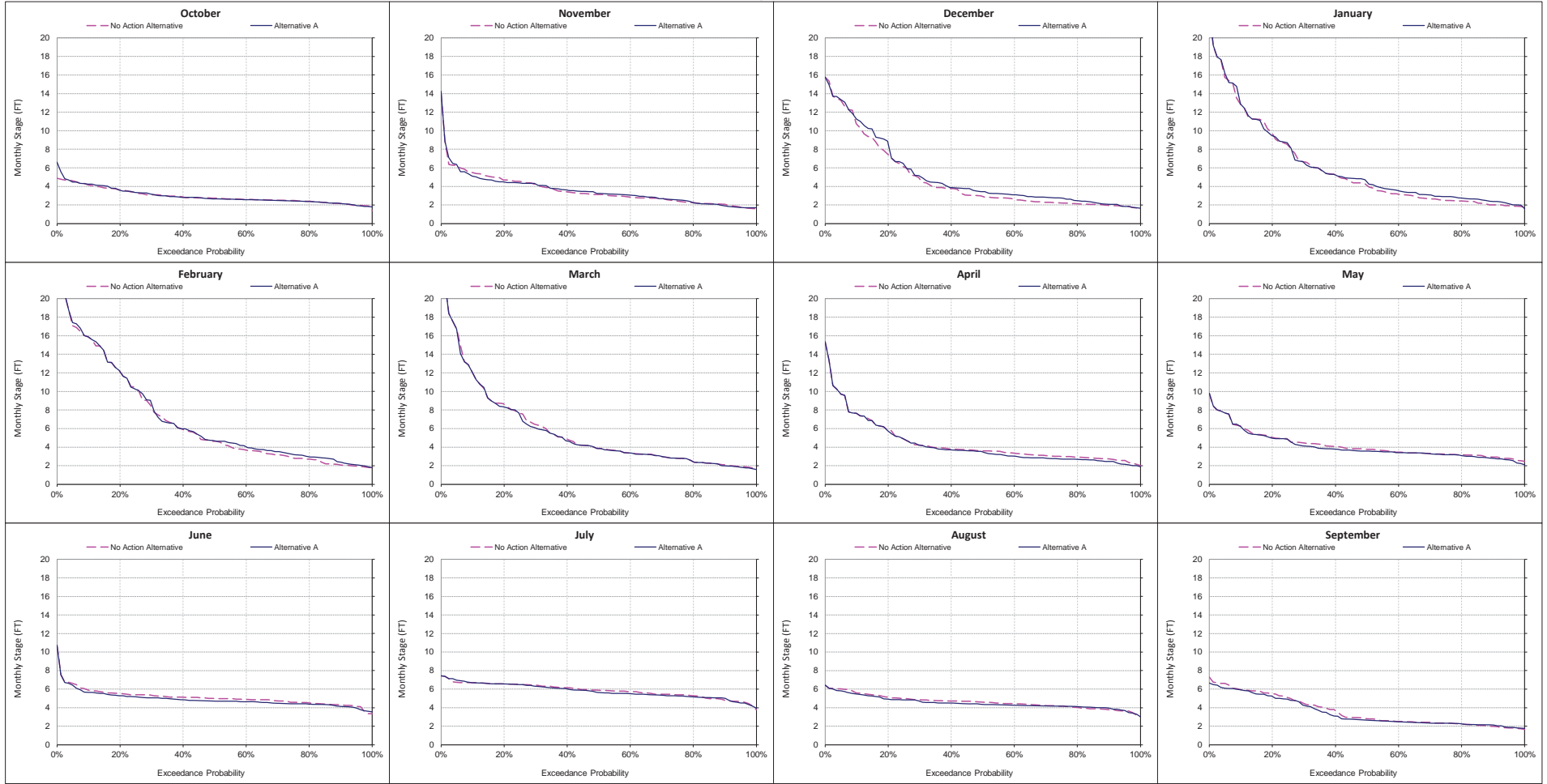


Table SW-53-3b
Sacramento River at Bond Bridge, Monthly Stage
Probability of Exceedance

Percent Exceedance Probability	October			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	7	2	35.7%
0.2%	5	6	1	17.2%
2.5%	5	5	0	2.9%
3.7%	5	5	0	0.0%
4.9%	5	4	0	-3.1%
6.2%	5	4	0	-1.1%
7.4%	4	4	0	0.0%
8.6%	4	4	0	-0.5%
9.9%	4	4	0	2.1%
11.1%	4	4	0	4.2%
12.3%	4	4	0	3.3%
13.6%	4	4	0	3.7%
14.8%	4	4	0	5.8%
16.0%	4	4	0	5.5%
17.3%	4	4	0	0.1%
18.5%	4	4	0	1.9%
19.8%	4	4	0	-1.0%
21.0%	4	3	0	-3.1%
22.2%	4	3	0	-1.4%
23.5%	3	3	0	1.6%
24.7%	3	3	0	-0.5%
25.9%	3	3	0	2.6%
27.2%	3	3	0	2.6%
28.4%	3	3	0	6.0%
29.6%	3	3	0	2.7%
30.9%	3	3	0	0.1%
32.1%	3	3	0	-1.8%
33.3%	3	3	0	-2.3%
34.6%	3	3	0	0.0%
35.8%	3	3	0	-2.2%
37.0%	3	3	0	-1.8%
38.3%	3	3	0	-2.3%
39.5%	3	3	0	-2.4%
40.7%	3	3	0	0.6%
42.0%	3	3	0	0.8%
43.2%	3	3	0	1.1%
44.4%	3	3	0	1.2%
45.7%	3	3	0	-0.1%
46.9%	3	3	0	-1.6%
48.1%	3	3	0	-2.3%
49.4%	3	3	0	-3.1%
50.6%	3	3	0	-2.4%
51.9%	3	3	0	-2.3%
53.1%	3	3	0	-1.8%
54.3%	3	3	0	-0.5%
55.6%	3	3	0	-1.1%
56.8%	3	3	0	-1.3%
58.0%	3	3	0	-1.6%
59.3%	3	3	0	-1.0%
60.5%	3	3	0	-1.0%
61.7%	3	3	0	-0.4%
63.0%	3	3	0	-1.2%
64.2%	3	3	0	-1.3%
65.4%	3	3	0	-0.7%
66.7%	3	3	0	-1.1%
67.9%	3	3	0	-1.2%
69.1%	3	2	0	-1.7%
70.4%	3	2	0	-1.6%
71.6%	3	2	0	-1.6%
72.8%	2	2	0	-1.3%
74.1%	2	2	0	-1.2%
75.3%	2	2	0	-1.8%
76.5%	2	2	0	-0.5%
77.8%	2	2	0	-1.8%
79.0%	2	2	0	-0.3%
80.2%	2	2	0	-0.9%
81.5%	2	2	0	0.1%
82.7%	2	2	0	-0.5%
84.0%	2	2	0	-0.6%
85.2%	2	2	0	0.6%
86.4%	2	2	0	0.6%
87.7%	2	2	0	1.9%
88.9%	2	2	0	1.3%
90.1%	2	2	0	-0.5%
91.4%	2	2	0	0.0%
92.6%	2	2	0	0.6%
93.8%	2	2	0	3.2%
95.1%	2	2	0	-0.3%
96.3%	2	2	0	-1.9%
97.5%	2	2	0	-4.1%
98.8%	2	2	0	-3.4%
100.0%	1	2	0	26.6%

Percent Exceedance Probability	November			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	1.3%
1.2%	9	9	0	0.0%
2.5%	6	7	1	11.4%
3.7%	6	6	0	3.3%
4.9%	6	6	0	1.5%
6.2%	6	6	0	-6.4%
7.4%	6	6	0	-4.4%
8.6%	6	5	0	-3.4%
9.9%	5	5	0	-7.2%
11.1%	5	5	0	-7.0%
12.3%	5	5	0	-8.9%
13.6%	5	5	0	-8.3%
14.8%	5	5	0	-7.3%
16.0%	5	5	0	-6.3%
17.3%	5	5	0	-8.2%
18.5%	5	5	0	-6.5%
19.8%	5	5	0	-4.2%
21.0%	5	4	0	-5.9%
22.2%	5	4	0	-4.7%
23.5%	5	4	0	-3.1%
24.7%	5	4	0	-3.8%
25.9%	5	4	0	-3.9%
27.2%	5	4	0	-1.3%
28.4%	4	4	0	-1.2%
29.6%	4	4	0	1.9%
30.9%	4	4	0	0.6%
32.1%	4	4	0	3.4%
33.3%	4	4	0	4.7%
34.6%	4	4	0	-1.7%
35.8%	4	4	0	2.0%
37.0%	4	4	0	6.2%
38.3%	3	4	0	6.4%
39.5%	3	4	0	5.4%
40.7%	3	4	0	5.3%
42.0%	3	4	0	6.3%
43.2%	3	3	0	5.7%
44.4%	3	3	0	6.9%
45.7%	3	3	0	6.9%
46.9%	3	3	0	7.4%
48.1%	3	3	0	9.6%
49.4%	3	3	0	4.0%
50.6%	3	3	0	3.7%
51.9%	3	3	0	3.0%
53.1%	3	3	0	5.6%
54.3%	3	3	0	5.4%
55.6%	3	3	0	5.9%
56.8%	3	3	0	6.6%
58.0%	3	3	0	5.5%
59.3%	3	3	0	6.8%
60.5%	3	3	0	8.3%
61.7%	3	3	0	8.2%
63.0%	3	3	0	5.9%
64.2%	3	3	0	5.9%
65.4%	3	3	0	3.1%
66.7%	3	3	0	3.4%
67.9%	3	3	0	2.8%
69.1%	3	3	0	-2.2%
70.4%	3	3	0	0.2%
71.6%	3	3	0	2.2%
72.8%	3	3	0	2.5%
74.1%	2	3	0	4.7%
75.3%	2	3	0	6.0%
76.5%	2	3	0	7.7%
77.8%	2	2	0	8.4%
79.0%	2	2	0	4.1%
80.2%	2	2	0	-2.4%
81.5%	2	2	0	-0.9%
82.7%	2	2	0	-2.2%
84.0%	2	2	0	-1.8%
85.2%	2	2	0	-2.4%
86.4%	2	2	0	-0.8%
87.7%	2	2	0	-1.7%
88.9%	2	2	0	-6.1%
90.1%	2	2	0	-9.9%
91.4%	2	2	0	-3.4%
92.6%	2	2	0	-6.5%
93.8%	2	2	0	-3.3%
95.1%	2	2	0	-1.3%
96.3%	2	2	0	0.9%
97.5%	2	2	0	3.1%
98.8%	2	2	0	5.3%
100.0%	2	2	0	7.4%

Percent Exceedance Probability	December			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-2.5%
2.5%	14	14	0	0.0%
3.7%	13	14	0	1.6%
4.9%	13	13	0	0.5%
6.2%	13	13	0	3.2%
7.4%	12	12	0	0.0%
8.6%	12	12	0	-2.8%
9.9%	11	11	1	4.7%
11.1%	10	11	1	6.7%
12.3%	10	11	1	9.1%
13.6%	9	10	1	9.2%
14.8%	10	10	1	9.7%
16.0%	9	9	0	5.6%
17.3%	8	9	1	13.0%
18.5%	8	9	1	15.2%
19.8%	8	9	1	18.2%
21.0%	7	7	0	-0.6%
22.2%	7	7	0	0.0%
23.5%	6	7	0	2.8%
24.7%	6	6	0	5.6%
25.9%	6	6	0	-1.0%
27.2%	5	6	1	12.4%
28.4%	5	5	0	1.0%
29.6%	5	5	0	3.8%
30.9%	4	5	0	10.6%
32.1%	4	5	1	5.2%
33.3%	4	4	0	8.1%
34.6%	4	4	1	14.5%
35.8%	4	4	1	13.7%
37.0%	4	4	0	12.0%
38.3%	4	4	0	7.6%
39.5%	4	4	0	2.8%
40.7%	4	4	0	2.8%
42.0%	4	4	0	4.1%
43.2%	3	4	1	17.3%
44.4%	3	4	1	23.1%
45.7%	3	4	1	23.7%
46.9%	3	4	1	17.7%
48.1%	3	3	0	14.9%
49.4%	3	3	0	15.9%
50.6%	3	3	0	20.4%
51.9%	3	3	0	15.1%
53.1%	3	3	0	16.0%
54.3%	3	3	0	16.4%
55.6%	3	3	0	16.1%
56.8%	3	3	0	14.8%
58.0%	3	3	0	15.3%
59.3%	3	3	0	15.0%
60.5%	3	3	1	22.0%
61.7%	3	3	1	20.5%
63.0%	3	3	1	21.6%
64.2%	2	3	0	20.4%
65.4%	2	3	0	20.7%
66.7%	2	3	1	21.6%
67.9%	2	3	1	21.7%
69.1%	2	3	1	23.7%
70.4%	2	3	1	22.8%
71.6%	2	3	0	21.9%
72.8%	2	3	1	23.9%
74.1%	2	3	1	24.5%
75.3%	2	3	1	24.2%
76.5%	2	3	0	19.9%
77.8%	2	3	0	21.7%
79.0%	2	2	0	16.2%
80.2%	2	2	0	15.8%
81.5%	2	2	0	15.1%
82.7%	2	2	0	14.6%
84.0%	2	2	0	13.8%
85.2%	2	2	0	11.4%
86.4%	2	2	0	5.8%
87.7%	2	2	0	4.6%
88.9%	2	2	0	6.3%
90.1%	2	2	0	5.5%
91.4%	2	2	0	6.8%
92.6%	2	2	0	7.4%
93.8%	2	2	0	0.0%
95.1%	2	2	0	-1.6%
96.3%	2	2	0	0.0%
97.5%	2	2	0	0.0%
98.8%	2	2	0	2.6%
100.0%	2	2	0	3.9%

Percent Exceedance Probability	January			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	19	19	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	16	16	0	2.7%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-0.3%
8.6%	14	15	1	9.2%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	12	0	1.1%
13.6%	11	11	0	-0.2%
14.8%	11	11	0	-0.3%
16.0%	11	11	0	-0.9%
17.3%	11	10	-1	-7.3%
18.5%	10	10	0	-3.2%
19.8%	10	10	0	-3.6%
21.0%	9	9	0	2.6%
22.2%	9	9	0	1.0%
23.5%	9	9	0	0.9%
24.7%	9	9	0	2.2%
25.9%	8	9	0	0.7%
27.2%	8	7	-1	-9.5%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	6	0	-4.6%
32.1%	6	6	0	-2.5%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	1.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	-1.1%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.8%
42.0%	5	5	0	4.0%
43.2%	5	5	0	1.8%
44.4%	5	5	0	7.1%
45.7%	4	5	0	11.3%
46.9%	4	5	0	10.5%
48.1%	4	5	0	10.5%
49.4%	4	5	0	10.8%
50.6%	4	4	0	7.3%
51.9%	4	4	0	9.7%
53.1%	4	4	0	13.2%
54.3%	4	4	0	10.4%
55.6%	3	4	0	9.7%
56.8%	3	4	0	

Table SW-53-3b
Sacramento River at Bond Bridge, Monthly Stage
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	20	21	1	4.8%
2.5%	20	20	0	0.2%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.0%
6.2%	17	17	0	2.3%
7.4%	16	17	1	7.4%
8.6%	16	16	0	0.0%
9.9%	16	16	0	0.0%
11.1%	16	16	0	0.0%
12.3%	15	15	0	2.9%
13.6%	15	15	0	0.0%
14.8%	14	14	0	0.0%
16.0%	13	13	0	0.0%
17.3%	13	13	0	0.0%
18.5%	13	13	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	10	-1	-0.4%
24.7%	10	10	0	-1.9%
25.9%	10	10	0	0.0%
27.2%	9	10	1	7.6%
28.4%	9	9	0	0.4%
29.6%	9	9	1	6.0%
30.9%	8	8	0	1.8%
32.1%	7	7	0	-3.5%
33.3%	7	7	0	-5.9%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-1.3%
37.0%	7	7	0	0.6%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.1%
40.7%	6	6	0	3.7%
42.0%	6	6	0	1.6%
43.2%	6	6	0	1.5%
44.4%	5	5	0	0.0%
45.7%	5	5	0	6.5%
46.9%	5	5	0	1.3%
48.1%	5	5	0	0.0%
49.4%	5	5	0	2.0%
50.6%	5	5	0	0.1%
51.9%	5	5	0	2.8%
53.1%	4	5	0	9.4%
54.3%	4	5	0	8.2%
55.6%	4	4	1	13.1%
56.8%	4	4	1	14.9%
58.0%	4	4	0	9.8%
59.3%	4	4	0	11.1%
60.5%	4	4	0	8.2%
61.7%	4	4	0	7.7%
63.0%	4	4	0	5.9%
64.2%	4	4	0	5.5%
65.4%	3	4	0	8.9%
66.7%	3	4	0	10.6%
67.9%	3	4	0	11.2%
69.1%	3	4	0	10.6%
70.4%	3	4	0	11.1%
71.6%	3	3	0	9.2%
72.8%	3	3	0	10.6%
74.1%	3	3	0	11.3%
75.3%	3	3	0	14.2%
76.5%	3	3	0	12.6%
77.8%	3	3	0	13.0%
79.0%	3	3	0	11.8%
80.2%	3	3	0	8.9%
81.5%	3	3	0	10.3%
82.7%	3	3	0	9.5%
84.0%	2	3	0	21.1%
85.2%	2	3	1	26.9%
86.4%	2	3	1	25.9%
87.7%	2	3	1	25.2%
88.9%	2	2	0	12.8%
90.1%	2	2	0	15.3%
91.4%	2	2	0	9.5%
92.6%	2	2	0	8.1%
93.8%	2	2	0	8.4%
95.1%	2	2	0	5.3%
96.3%	2	2	0	5.7%
97.5%	2	2	0	6.6%
98.8%	2	2	0	3.9%
100.0%	2	2	0	0.5%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	22	22	0	0.0%
1.2%	22	22	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	17	17	0	0.0%
6.2%	15	14	-1	-5.5%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	12	12	0	0.0%
11.1%	11	11	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	10	0	1.1%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	8	0	-3.8%
19.8%	9	8	0	-3.8%
21.0%	8	8	0	-1.1%
22.2%	8	8	0	0.0%
23.5%	8	8	0	1.2%
24.7%	8	8	0	0.0%
25.9%	8	7	-1	-10.1%
27.2%	7	6	0	-5.2%
28.4%	7	6	0	-6.9%
29.6%	6	6	0	-5.8%
30.9%	6	6	0	-6.6%
32.1%	6	6	0	-5.0%
33.3%	6	6	0	-3.5%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.9%
38.3%	5	5	0	0.0%
39.5%	5	5	0	-4.6%
40.7%	5	5	0	-2.8%
42.0%	5	4	0	-4.8%
43.2%	4	4	0	0.0%
44.4%	4	4	0	-0.1%
45.7%	4	4	0	0.0%
46.9%	4	4	0	-0.1%
48.1%	4	4	0	0.0%
49.4%	4	4	0	-0.2%
50.6%	4	4	0	-0.1%
51.9%	4	4	0	-2.8%
53.1%	4	4	0	-1.0%
54.3%	4	4	0	-1.2%
55.6%	4	4	0	-1.0%
56.8%	4	4	0	0.1%
58.0%	3	3	0	0.1%
59.3%	3	3	0	0.1%
60.5%	3	3	0	-0.1%
61.7%	3	3	0	-1.3%
63.0%	3	3	0	-0.7%
64.2%	3	3	0	0.0%
65.4%	3	3	0	-0.1%
66.7%	3	3	0	-1.5%
67.9%	3	3	0	0.0%
69.1%	3	3	0	-0.1%
70.4%	3	3	0	0.0%
71.6%	3	3	0	0.0%
72.8%	3	3	0	-0.1%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.1%
76.5%	3	3	0	0.0%
77.8%	3	3	0	0.0%
79.0%	3	3	0	0.0%
80.2%	2	2	0	-0.1%
81.5%	2	2	0	0.0%
82.7%	2	2	0	0.0%
84.0%	2	2	0	0.0%
85.2%	2	2	0	-0.1%
86.4%	2	2	0	0.1%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-4.9%
90.1%	2	2	0	-5.6%
91.4%	2	2	0	-3.6%
92.6%	2	2	0	-1.9%
93.8%	2	2	0	-1.2%
95.1%	2	2	0	-4.2%
96.3%	2	2	0	-7.8%
97.5%	2	2	0	-4.9%
98.8%	2	2	0	-4.6%
100.0%	2	2	0	-5.3%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	11	11	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	10	10	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-2.9%
14.8%	7	7	0	0.0%
16.0%	6	6	0	0.0%
17.3%	6	6	0	0.0%
18.5%	6	6	0	0.0%
19.8%	6	6	0	-1.4%
21.0%	6	5	0	-5.7%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	4	0	-1.2%
28.4%	4	4	0	4.2%
29.6%	4	4	0	-0.6%
30.9%	4	4	0	-0.7%
32.1%	4	4	0	-3.8%
33.3%	4	4	0	-2.1%
34.6%	4	4	0	-0.3%
35.8%	4	4	0	-3.5%
37.0%	4	4	0	-4.1%
38.3%	4	4	0	-3.9%
39.5%	4	4	0	-2.7%
40.7%	4	4	0	-2.8%
42.0%	4	4	0	-2.8%
43.2%	4	4	0	-2.5%
44.4%	4	4	0	-2.9%
45.7%	4	4	0	-3.1%
46.9%	4	4	0	-2.6%
48.1%	4	4	0	-2.3%
49.4%	4	4	0	-2.0%
50.6%	4	4	0	-5.1%
51.9%	4	4	0	-8.0%
53.1%	4	3	0	-8.7%
54.3%	4	3	0	-9.7%
55.6%	4	3	0	-9.2%
56.8%	4	3	0	-8.7%
58.0%	3	3	0	-9.8%
59.3%	3	3	0	-10.5%
60.5%	3	3	0	-8.9%
61.7%	3	3	0	-11.1%
63.0%	3	3	0	-11.7%
64.2%	3	3	0	-10.1%
65.4%	3	3	0	-9.9%
66.7%	3	3	0	-9.8%
67.9%	3	3	0	-8.8%
69.1%	3	3	0	-9.2%
70.4%	3	3	0	-9.1%
71.6%	3	3	0	-9.3%
72.8%	3	3	0	-8.3%
74.1%	3	3	0	-8.6%
75.3%	3	3	0	-8.9%
76.5%	3	3	0	-9.2%
77.8%	3	3	0	-8.9%
79.0%	3	3	0	-8.1%
80.2%	3	3	0	-8.7%
81.5%	3	3	0	-8.7%
82.7%	3	3	0	-8.2%
84.0%	3	3	0	-7.2%
85.2%	3	3	0	-6.4%
86.4%	3	3	0	-8.5%
87.7%	3	3	0	-9.0%
88.9%	3	2	0	-10.2%
90.1%	3	2	0	-9.9%
91.4%	3	2	0	-7.8%
92.6%	3	2	0	-11.7%
93.8%	3	2	0	-15.0%
95.1%	3	2	0	-15.8%
96.3%	2	2	0	-10.9%
97.5%	2	2	0	-11.4%
98.8%	2	2	0	-6.9%
100.0%	2	2	0	-5.7%

Percent Exceedance Probability	May			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	8	8	0	0.0%
2.5%	8	8	0	0.0%
3.7%	8	8	0	0.0%
4.9%	8	8	0	0.0%
6.2%	8	8	0	0.0%
7.4%	6	6	0	-0.1%
8.6%	6	6	0	1.7%
9.9%	6	6	0	-0.6%
11.1%	6	6	0	-3.0%
12.3%	6	5	0	-5.5%
13.6%	5	5	0	-1.8%
14.8%	5	5	0	0.0%
16.0%	5	5	0	-1.1%
17.3%	5	5	0	-0.7%
18.5%	5	5	0	-2.9%
19.8%	5	5	0	-2.0%
21.0%	5	5	0	-0.9%
22.2%	5	5	0	-0.1%
23.5%	5	5	0	-0.1%
24.7%	5	5	0	-1.0%
25.9%	5	5	0	-0.1%
27.2%	5	4	0	-5.8%
28.4%	5	4	0	-6.6%
29.6%	4	4	0	-7.3%
30.9%	4	4	0	-7.2%
32.1%	4	4	0	-6.7%
33.3%	4	4	0	-7.9%
34.6%	4	4	0	-10.5%
35.8%	4	4	0	-10.2%
37.0%	4	4	0	-7.5%
38.3%	4	4	0	-6.9%
39.5%	4	4	0	-6.9%
40.7%	4	4	0	-7.4%
42.0%	4	4	0	-7.0%
43.2%	4	4	0	-5.0%
44.4%	4	4	0	-4.7%
45.7%	4	4	0	-5.4%
46.9%	4	4	0	-6.0%
48.1%	4	4	0	-6.2%
49.4%	4	4	0	-5.3%
50.6%	4	4	0	-5.0%
51.9%	4	4	0	-5.3%
53.1%	4	4	0	-3.9%
54.3%	4	4	0	-3.3%
55.6%	4	4	0	-3.5%
56.8%	4	3	0	

Table SW-53-3b
Sacramento River at Bond Bridge, Monthly Stage
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	8	8	0	0.0%
2.5%	7	7	0	-0.6%
3.7%	7	7	0	-2.0%
4.9%	7	6	0	-2.5%
6.2%	6	6	0	-5.9%
7.4%	6	6	0	-7.7%
8.6%	6	6	0	-6.4%
9.9%	6	6	0	-4.4%
11.1%	6	6	0	-3.0%
12.3%	6	6	0	-3.8%
13.6%	6	6	0	-3.2%
14.8%	6	6	0	-2.3%
16.0%	6	5	0	-2.8%
17.3%	6	5	0	-4.2%
18.5%	6	5	0	-3.5%
19.8%	6	5	0	-4.4%
21.0%	5	5	0	-3.6%
22.2%	5	5	0	-4.4%
23.5%	5	5	0	-3.6%
24.7%	5	5	0	-3.5%
25.9%	5	5	0	-5.4%
27.2%	5	5	0	-5.3%
28.4%	5	5	0	-5.3%
29.6%	5	5	0	-5.4%
30.9%	5	5	0	-4.4%
32.1%	5	5	0	-3.6%
33.3%	5	5	0	-4.4%
34.6%	5	5	0	-3.7%
35.8%	5	5	0	-3.7%
37.0%	5	5	0	-3.7%
38.3%	5	5	0	-4.9%
39.5%	5	5	0	-5.4%
40.7%	5	5	0	-5.3%
42.0%	5	5	0	-6.5%
43.2%	5	5	0	-6.5%
44.4%	5	5	0	-6.5%
45.7%	5	5	0	-5.9%
46.9%	5	5	0	-6.6%
48.1%	5	5	0	-5.6%
49.4%	5	5	0	-5.6%
50.6%	5	5	0	-5.4%
51.9%	5	5	0	-4.4%
53.1%	5	5	0	-5.5%
54.3%	5	5	0	-5.5%
55.6%	5	5	0	-5.5%
56.8%	5	5	0	-4.8%
58.0%	5	5	0	-5.8%
59.3%	5	5	0	-4.9%
60.5%	5	5	0	-4.9%
61.7%	5	5	0	-5.0%
63.0%	5	5	0	-5.0%
64.2%	5	5	0	-5.8%
65.4%	5	5	0	-6.5%
66.7%	5	5	0	-6.5%
67.9%	5	5	0	-6.7%
69.1%	5	5	0	-4.9%
70.4%	5	4	0	-5.9%
71.6%	5	4	0	-5.9%
72.8%	5	4	0	-5.2%
74.1%	5	4	0	-3.8%
75.3%	5	4	0	-3.9%
76.5%	5	4	0	-3.8%
77.8%	5	4	0	-3.1%
79.0%	5	4	0	-3.1%
80.2%	5	4	0	-2.8%
81.5%	4	4	0	-1.8%
82.7%	4	4	0	-1.7%
84.0%	4	4	0	-1.9%
85.2%	4	4	0	-1.1%
86.4%	4	4	0	-1.7%
87.7%	4	4	0	-1.4%
88.9%	4	4	0	-3.3%
90.1%	4	4	0	-4.1%
91.4%	4	4	0	-2.9%
92.6%	4	4	0	-4.0%
93.8%	4	4	0	-4.2%
95.1%	4	4	0	-5.1%
96.3%	4	4	0	-8.6%
97.5%	4	4	0	3.0%
98.8%	3	4	0	7.5%
100.0%	3	4	0	6.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.1%
3.7%	7	7	0	4.8%
4.9%	7	7	0	3.1%
6.2%	7	7	0	3.2%
7.4%	7	7	0	2.0%
8.6%	7	7	0	0.7%
9.9%	7	7	0	0.1%
11.1%	7	7	0	-0.5%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	-0.1%
24.7%	7	6	0	-0.6%
25.9%	6	6	0	0.0%
27.2%	6	6	0	-1.2%
28.4%	6	6	0	-0.7%
29.6%	6	6	0	-1.9%
30.9%	6	6	0	-2.1%
32.1%	6	6	0	-0.9%
33.3%	6	6	0	-2.1%
34.6%	6	6	0	-2.1%
35.8%	6	6	0	-2.0%
37.0%	6	6	0	-1.5%
38.3%	6	6	0	-1.2%
39.5%	6	6	0	-1.2%
40.7%	6	6	0	-3.2%
42.0%	6	6	0	-3.4%
43.2%	6	6	0	-3.0%
44.4%	6	6	0	-4.9%
45.7%	6	6	0	-1.5%
46.9%	6	6	0	-2.2%
48.1%	6	6	0	-2.1%
49.4%	6	6	0	-4.3%
50.6%	6	6	0	-3.9%
51.9%	6	6	0	-4.4%
53.1%	6	6	0	-4.5%
54.3%	6	6	0	-4.7%
55.6%	6	6	0	-4.0%
56.8%	6	6	0	-4.0%
58.0%	6	6	0	-4.0%
59.3%	6	6	0	-3.4%
60.5%	6	5	0	-4.2%
61.7%	6	5	0	-4.9%
63.0%	6	5	0	-3.3%
64.2%	6	5	0	-2.7%
65.4%	6	5	0	-3.5%
66.7%	6	5	0	-2.7%
67.9%	5	5	0	-1.0%
69.1%	5	5	0	-1.6%
70.4%	5	5	0	-1.6%
71.6%	5	5	0	-2.6%
72.8%	5	5	0	-2.7%
74.1%	5	5	0	-2.0%
75.3%	5	5	0	-2.6%
76.5%	5	5	0	-2.7%
77.8%	5	5	0	-3.5%
79.0%	5	5	0	-1.7%
80.2%	5	5	0	-2.7%
81.5%	5	5	0	-2.9%
82.7%	5	5	0	-1.0%
84.0%	5	5	0	1.7%
85.2%	5	5	0	2.7%
86.4%	5	5	0	2.1%
87.7%	5	5	0	2.1%
88.9%	5	5	0	2.8%
90.1%	5	5	0	5.1%
91.4%	5	5	0	0.9%
92.6%	5	5	0	-1.3%
93.8%	5	5	0	-2.1%
95.1%	5	5	0	-2.7%
96.3%	5	5	0	-1.9%
97.5%	4	4	0	-1.8%
98.8%	4	4	0	-0.8%
100.0%	4	4	0	-4.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	0.0%
2.5%	6	6	0	-1.3%
3.7%	6	6	0	-2.8%
4.9%	6	6	0	-3.5%
6.2%	6	6	0	-4.2%
7.4%	6	6	0	-5.9%
8.6%	6	6	0	-4.5%
9.9%	6	5	0	-1.8%
11.1%	6	5	0	-1.9%
12.3%	5	5	0	-2.6%
13.6%	5	5	0	-2.8%
14.8%	5	5	0	-2.6%
16.0%	5	5	0	-2.8%
17.3%	5	5	0	-2.7%
18.5%	5	5	0	-4.6%
19.8%	5	5	0	-4.4%
21.0%	5	5	0	-3.8%
22.2%	5	5	0	-3.7%
23.5%	5	5	0	-2.9%
24.7%	5	5	0	-2.5%
25.9%	5	5	0	-2.6%
27.2%	5	5	0	-1.7%
28.4%	5	5	0	-0.8%
29.6%	5	5	0	-2.8%
30.9%	5	5	0	-5.0%
32.1%	5	5	0	-5.7%
33.3%	5	5	0	-4.6%
34.6%	5	5	0	-4.6%
35.8%	5	5	0	-4.9%
37.0%	5	5	0	-4.9%
38.3%	5	5	0	-4.8%
39.5%	5	5	0	-4.8%
40.7%	5	5	0	-4.8%
42.0%	5	4	0	-5.8%
43.2%	5	4	0	-5.3%
44.4%	5	4	0	-6.0%
45.7%	5	4	0	-6.0%
46.9%	5	4	0	-5.9%
48.1%	5	4	0	-4.8%
49.4%	5	4	0	-4.9%
50.6%	5	4	0	-5.8%
51.9%	5	4	0	-5.8%
53.1%	5	4	0	-5.1%
54.3%	5	4	0	-4.1%
55.6%	5	4	0	-4.1%
56.8%	4	4	0	-3.7%
58.0%	4	4	0	-4.0%
59.3%	4	4	0	-4.2%
60.5%	4	4	0	-3.4%
61.7%	4	4	0	-3.8%
63.0%	4	4	0	-3.4%
64.2%	4	4	0	-3.5%
65.4%	4	4	0	-2.5%
66.7%	4	4	0	-2.0%
67.9%	4	4	0	-1.3%
69.1%	4	4	0	-1.5%
70.4%	4	4	0	-1.3%
71.6%	4	4	0	-1.3%
72.8%	4	4	0	-1.0%
74.1%	4	4	0	-0.1%
75.3%	4	4	0	0.4%
76.5%	4	4	0	0.7%
77.8%	4	4	0	2.2%
79.0%	4	4	0	2.1%
80.2%	4	4	0	2.0%
81.5%	4	4	0	4.1%
82.7%	4	4	0	3.3%
84.0%	4	4	0	4.1%
85.2%	4	4	0	3.8%
86.4%	4	4	0	3.7%
87.7%	4	4	0	3.4%
88.9%	4	4	0	4.5%
90.1%	4	4	0	4.4%
91.4%	4	4	0	2.1%
92.6%	4	4	0	3.9%
93.8%	4	4	0	2.4%
95.1%	4	4	0	1.3%
96.3%	4	3	0	-3.9%
97.5%	3	3	0	-1.8%
98.8%	3	3	0	3.9%
100.0%	3	3	0	-0.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.6%
1.2%	7	6	0	-3.3%
2.5%	7	6	0	-3.3%
3.7%	7	6	0	-6.5%
4.9%	7	6	-1	-7.7%
6.2%	6	6	0	-5.7%
7.4%	6	6	0	-0.5%
8.6%	6	6	0	-1.4%
9.9%	6	6	0	0.0%
11.1%	6	6	0	-0.7%
12.3%	6	6	0	-0.7%
13.6%	6	6	0	-3.2%
14.8%	6	5	0	-5.5%
16.0%	6	5	0	-5.8%
17.3%	6	5	0	-2.8%
18.5%	6	5	0	-5.4%
19.8%	5	5	0	-4.4%
21.0%	5	5	0	-8.6%
22.2%	5	5	0	-5.3%
23.5%	5	5	0	-5.5%
24.7%	5	5	0	-3.4%
25.9%	5	5	0	-3.8%
27.2%	5	5	0	0.7%
28.4%	5	5	0	-2.1%
29.6%	5	4	0	-4.9%
30.9%	4	4	0	-3.4%
32.1%	4	4	0	-4.2%
33.3%	4	4	0	-9.1%
34.6%	4	4	0	-9.6%
35.8%	4	4	-1	-13.3%
37.0%	4	3	0	-11.4%
38.3%	4	3	-1	-14.7%
39.5%	4	3	-1	-18.0%
40.7%	3	3	0	-11.6%
42.0%	3	3	0	-11.0%
43.2%	3	3	0	-6.2%
44.4%	3	3	0	-6.1%
45.7%	3	3	0	-6.4%
46.9%	3	3	0	-7.0%
48.1%	3	3	0	-7.0%
49.4%	3	3	0	-5.1%
50.6%	3	3	0	-5.8%
51.9%	3	3	0	-6.3%
53.1%	3	3	0	-4.8%
54.3%	3	3	0	-1.4%
55.6%	3	3	0	-1.0%
56.8%	3	3	0	-1.9%
58.0%	3	3	0	-2.2%
59.3%	3	3	0	-0.8%
60.5%	3	2	0	

Table SW-54-3a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period¹												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative A	30	30	31	32	32	31	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference ³	0.1%	0.0%	-0.1%	-0.7%	-0.7%	-1.2%	-0.5%	-0.2%	0.7%	1.1%	-0.1%	-0.2%
Water Year Types²												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative A	30	31	31	35	35	34	32	31	30	31	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	-0.5%	-0.1%	-0.6%	-0.5%	-0.3%	-0.1%	0.0%	1.0%	0.9%	-0.2%	-0.2%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative A	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.2%	-1.4%	-0.9%	-1.1%	-0.4%	-0.1%	0.7%	1.4%	-0.3%	-0.7%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative A	29	30	31	30	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.5%	0.4%	0.0%	-1.1%	-0.8%	-1.9%	-0.4%	-0.2%	0.2%	1.4%	-0.2%	-0.2%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative A	29	30	31	30	30	30	29	29	29	30	31	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.5%	0.2%	0.1%	-0.2%	-0.7%	-1.9%	-1.3%	-0.6%	0.6%	1.2%	-0.2%	-0.2%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative A	29	29	29	30	30	29	29	29	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.5%	-0.3%	-0.7%	-1.1%	-0.4%	-0.1%	0.7%	0.6%	0.8%	0.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

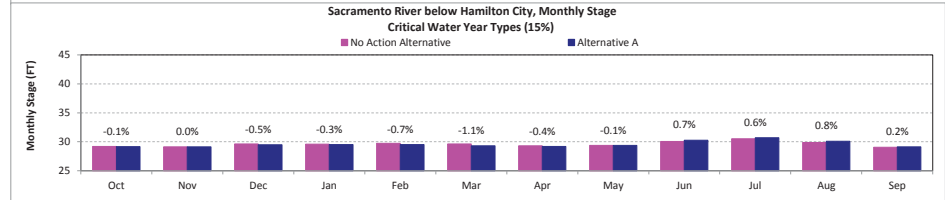
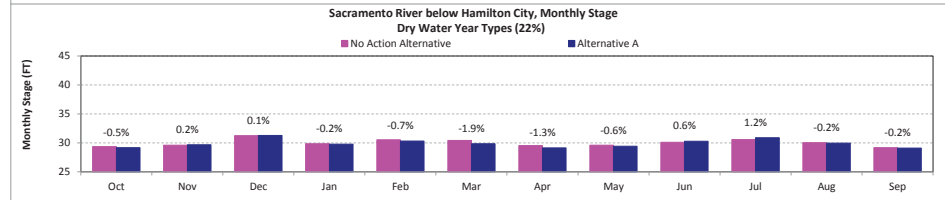
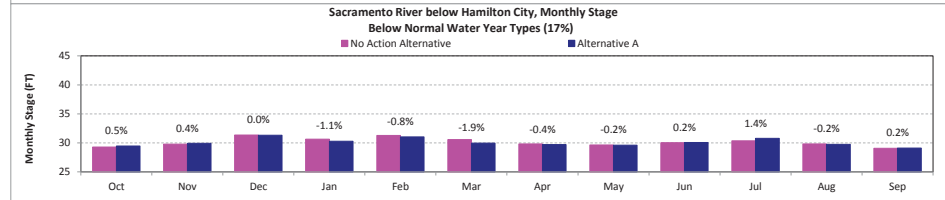
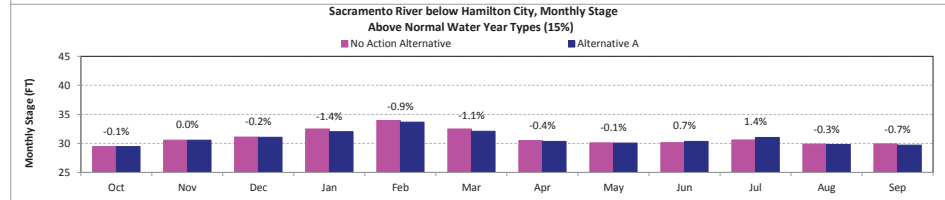
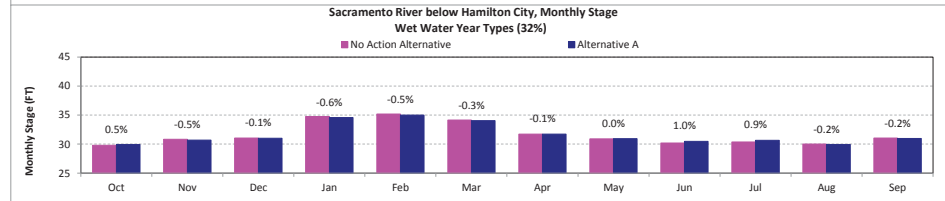
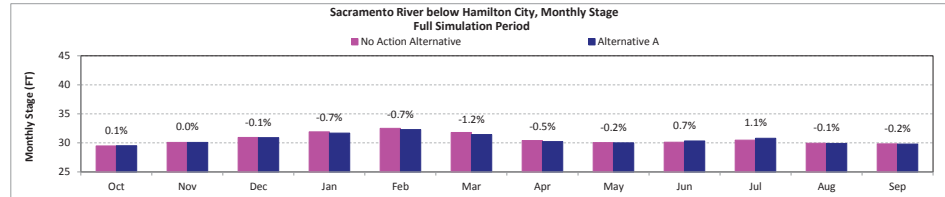


Figure SW-54-3b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

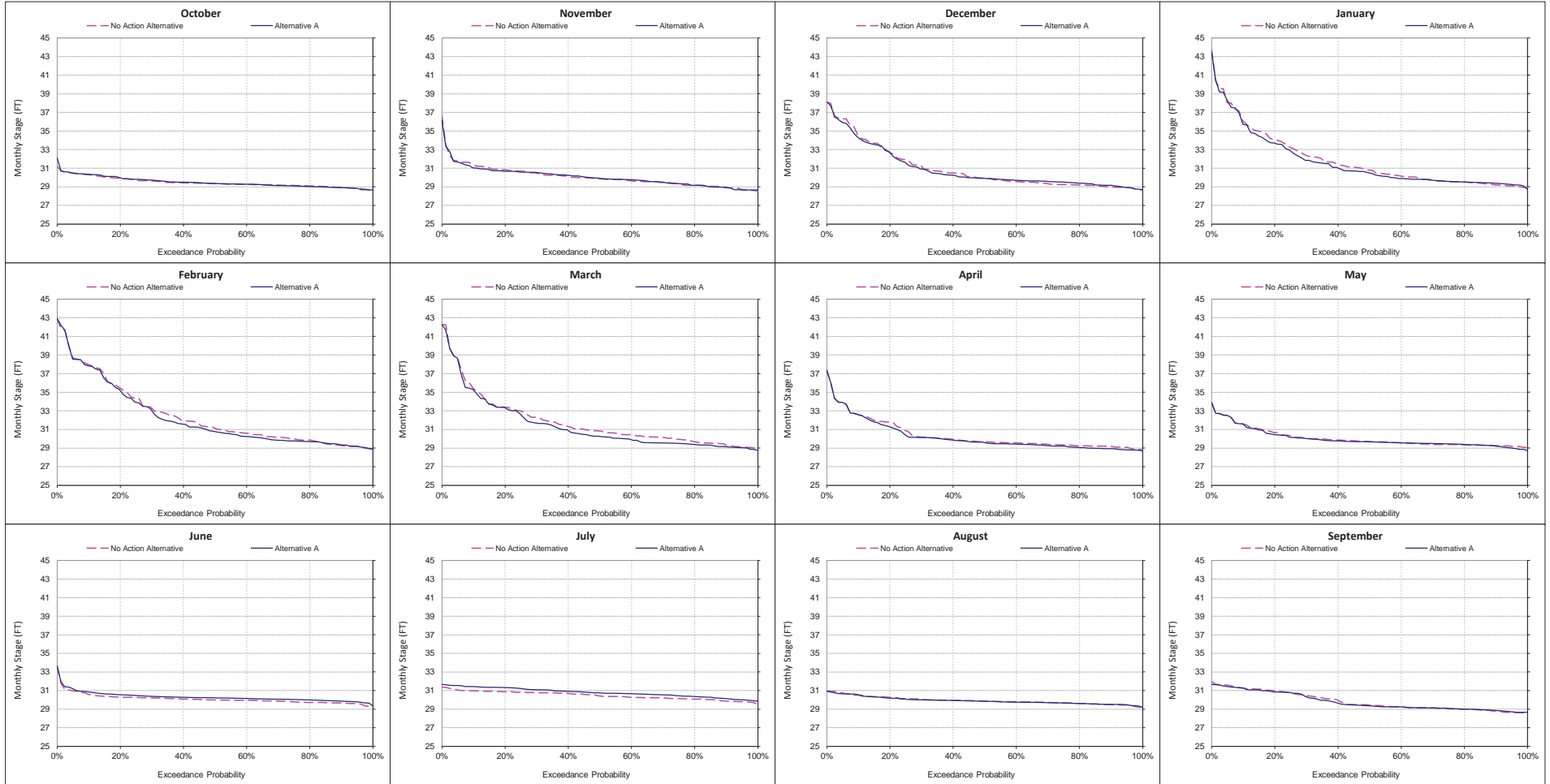


Table SW-54-3b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	3.0%
1.2%	31	31	0	-0.1%
2.5%	31	31	0	0.2%
3.7%	31	31	0	0.3%
4.9%	31	30	0	-0.2%
6.2%	30	30	0	-0.1%
7.4%	30	30	0	0.2%
8.6%	30	30	0	0.2%
9.9%	30	30	0	0.1%
11.1%	30	30	0	0.2%
12.3%	30	30	0	0.4%
13.6%	30	30	0	0.5%
14.8%	30	30	0	0.2%
16.0%	30	30	0	0.3%
17.3%	30	30	0	0.5%
18.5%	30	30	0	0.6%
19.8%	30	30	0	0.3%
21.0%	30	30	0	-0.1%
22.2%	30	30	0	-0.1%
23.5%	30	30	0	0.1%
24.7%	30	30	0	0.1%
25.9%	30	30	0	0.4%
27.2%	30	30	0	0.4%
28.4%	30	30	0	0.3%
29.6%	30	30	0	0.2%
30.9%	30	30	0	0.3%
32.1%	30	30	0	0.3%
33.3%	30	30	0	0.3%
34.6%	29	30	0	0.2%
35.8%	29	30	0	0.2%
37.0%	29	30	0	0.2%
38.3%	29	29	0	0.2%
39.5%	29	29	0	0.2%
40.7%	29	29	0	0.2%
42.0%	29	29	0	0.2%
43.2%	29	29	0	0.2%
44.4%	29	29	0	0.1%
45.7%	29	29	0	0.2%
46.9%	29	29	0	0.1%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.1%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.1%
54.3%	29	29	0	0.0%
55.6%	29	29	0	0.0%
56.8%	29	29	0	0.1%
58.0%	29	29	0	0.1%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.1%
61.7%	29	29	0	0.1%
63.0%	29	29	0	0.1%
64.2%	29	29	0	0.0%
65.4%	29	29	0	0.0%
66.7%	29	29	0	-0.2%
67.9%	29	29	0	-0.2%
69.1%	29	29	0	-0.2%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	-0.2%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	-0.1%
75.3%	29	29	0	-0.1%
76.5%	29	29	0	-0.1%
77.8%	29	29	0	-0.1%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.3%
81.5%	29	29	0	-0.2%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.1%
88.9%	29	29	0	0.0%
90.1%	29	29	0	-0.1%
91.4%	29	29	0	0.0%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.1%
95.1%	29	29	0	0.0%
96.3%	29	29	0	-0.3%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	36	0	-1.3%
1.2%	33	33	0	-0.2%
2.5%	32	33	0	1.3%
3.7%	32	32	0	-0.3%
4.9%	32	32	0	-0.4%
6.2%	32	32	0	-0.3%
7.4%	32	31	0	-0.8%
8.6%	32	31	0	-1.0%
9.9%	31	31	0	-1.0%
11.1%	31	31	0	-0.6%
12.3%	31	31	0	-0.8%
13.6%	31	31	0	-0.7%
14.8%	31	31	0	-0.7%
16.0%	31	31	0	-0.5%
17.3%	31	31	0	-0.5%
18.5%	31	31	0	-0.4%
19.8%	31	31	0	-0.5%
21.0%	31	31	0	-0.3%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.1%
24.7%	31	31	0	-0.3%
25.9%	31	31	0	-0.3%
27.2%	31	31	0	0.0%
28.4%	31	31	0	0.2%
29.6%	31	31	0	0.2%
30.9%	30	30	0	0.4%
32.1%	30	30	0	0.5%
33.3%	30	30	0	0.5%
34.6%	30	30	0	0.5%
35.8%	30	30	0	0.3%
37.0%	30	30	0	0.3%
38.3%	30	30	0	0.3%
39.5%	30	30	0	0.3%
40.7%	30	30	0	0.6%
42.0%	30	30	0	0.5%
43.2%	30	30	0	0.5%
44.4%	30	30	0	0.4%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.2%
48.1%	30	30	0	0.2%
49.4%	30	30	0	0.2%
50.6%	30	30	0	0.2%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.0%
55.6%	30	30	0	0.1%
56.8%	30	30	0	0.1%
58.0%	30	30	0	0.2%
59.3%	30	30	0	0.4%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.5%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.4%
65.4%	30	30	0	0.1%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	29	0	-0.2%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	-0.3%
72.8%	29	29	0	-0.2%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.4%
77.8%	29	29	0	0.4%
79.0%	29	29	0	0.0%
80.2%	29	29	0	0.1%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.1%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.2%
87.7%	29	29	0	-0.2%
88.9%	29	29	0	-0.3%
90.1%	29	29	0	-0.1%
91.4%	29	29	0	-0.1%
92.6%	29	29	0	-0.5%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.6%
2.5%	36	37	0	0.6%
3.7%	36	36	0	-0.5%
4.9%	36	36	0	-1.0%
6.2%	36	36	0	-1.3%
7.4%	36	35	0	-0.9%
8.6%	35	35	-1	-2.0%
9.9%	35	34	0	-0.7%
11.1%	34	34	0	-0.5%
12.3%	34	34	0	-0.8%
13.6%	34	34	0	-0.3%
14.8%	34	34	0	-0.4%
16.0%	34	33	0	-0.6%
17.3%	33	33	0	0.6%
18.5%	33	33	0	-0.5%
19.8%	33	33	0	0.2%
21.0%	33	32	0	-0.8%
22.2%	32	32	0	-0.5%
23.5%	32	32	0	-0.6%
24.7%	32	32	0	-0.9%
25.9%	32	31	-1	-1.6%
27.2%	31	31	0	-0.6%
28.4%	31	31	0	-0.6%
29.6%	31	31	0	-1.3%
30.9%	31	31	0	0.0%
32.1%	31	31	0	-0.6%
33.3%	31	30	0	-0.9%
34.6%	31	30	0	-0.9%
35.8%	31	30	0	-1.0%
37.0%	31	30	0	-0.8%
38.3%	31	30	0	-0.8%
39.5%	30	30	0	-0.8%
40.7%	30	30	0	-0.9%
42.0%	30	30	0	-1.2%
43.2%	30	30	0	-1.2%
44.4%	30	30	0	-1.3%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.2%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.3%
54.3%	30	30	0	0.3%
55.6%	30	30	0	0.3%
56.8%	30	30	0	0.5%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.5%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.5%
65.4%	29	30	0	0.4%
66.7%	29	30	0	0.7%
67.9%	29	30	0	0.7%
69.1%	29	30	0	0.8%
70.4%	29	30	0	0.8%
71.6%	29	30	0	1.0%
72.8%	29	30	0	1.0%
74.1%	29	30	0	0.9%
75.3%	29	29	0	0.9%
76.5%	29	29	0	0.8%
77.8%	29	29	0	0.7%
79.0%	29	29	0	0.7%
80.2%	29	29	0	0.7%
81.5%	29	29	0	0.8%
82.7%	29	29	0	0.6%
84.0%	29	29	0	0.6%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.3%
95.1%	29	29	0	0.0%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	43	0	-0.7%
1.2%	40	40	0	0.0%
2.5%	40	39	0	-0.6%
3.7%	40	39	0	-0.6%
4.9%	38	38	0	0.6%
6.2%	38	38	0	-1.2%
7.4%	37	37	0	0.3%
8.6%	37	37	0	-0.6%
9.9%	36	36	0	-1.0%
11.1%	36	36	0	-0.2%
12.3%	35	35	0	-1.4%
13.6%	35	35	0	-1.0%
14.8%	35	34	-1	-1.5%
16.0%	35	34	-1	-1.8%
17.3%	35	34	-1	-2.0%
18.5%	34	34	0	-1.4%
19.8%	34	34	0	-1.1%
21.0%	34	34	0	-1.2%
22.2%	34	34	0	-0.8%
23.5%	34	33	-1	-1.5%
24.7%	33	33	0	-1.0%
25.9%	33	33	0	-1.6%
27.2%	33	32	-1	-1.6%
28.4%	33	32	-1	-1.7%
29.6%	32	32	-1	-1.7%
30.9%	32	32	0	-1.3%
32.1%	32	32	-1	-1.7%
33.3%	32	32	-1	-1.8%
34.6%	32	32	-1	-1.6%
35.8%	32	32	0	-0.5%
37.0%	32	31	0	-0.6%
38.3%	32	31	-1	-1.3%
39.5%	32	31	0	-1.4%
40.7%	31	31	0	-1.4%
42.0%	31	31	-1	-1.7%
43.2%	31	31	0	-1.

Table SW-54-3b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	0.0%
1.2%	42	42	0	0.0%
2.5%	42	42	0	0.0%
3.7%	40	40	0	0.0%
4.9%	39	39	0	-0.4%
6.2%	39	39	0	-0.1%
7.4%	38	39	1	0.2%
8.6%	38	38	0	-0.5%
9.9%	38	38	0	-0.4%
11.1%	38	38	0	-0.2%
12.3%	38	37	0	-0.4%
13.6%	38	37	0	-0.4%
14.8%	37	37	0	-1.2%
16.0%	36	36	0	0.0%
17.3%	36	36	0	0.0%
18.5%	36	35	0	-0.7%
19.8%	35	35	0	-0.6%
21.0%	35	35	0	-1.4%
22.2%	35	34	0	-1.4%
23.5%	34	34	0	-0.4%
24.7%	34	34	0	-1.2%
25.9%	34	34	0	-1.4%
27.2%	34	33	0	-0.1%
28.4%	33	33	0	-0.1%
29.6%	33	33	0	-0.6%
30.9%	33	33	0	-1.1%
32.1%	33	32	-1	-1.9%
33.3%	33	32	-1	-2.3%
34.6%	33	32	-1	-2.4%
35.8%	32	32	-1	-1.9%
37.0%	32	32	-1	-2.0%
38.3%	32	32	-1	-1.8%
39.5%	32	32	0	-1.2%
40.7%	32	32	0	-1.2%
42.0%	32	31	-1	-1.9%
43.2%	32	31	-1	-1.9%
44.4%	32	31	-1	-1.6%
45.7%	31	31	0	-0.7%
46.9%	31	31	0	-0.9%
48.1%	31	31	0	-1.3%
49.4%	31	31	0	-1.4%
50.6%	31	31	-1	-1.0%
51.9%	31	31	0	-1.0%
53.1%	31	31	0	-1.2%
54.3%	31	31	0	-0.7%
55.6%	31	30	0	-0.9%
56.8%	31	30	0	-0.9%
58.0%	31	30	0	-1.3%
59.3%	31	30	0	-1.2%
60.5%	31	30	0	-1.2%
61.7%	30	30	0	-0.8%
63.0%	30	30	0	-1.0%
64.2%	30	30	0	-1.0%
65.4%	30	30	0	-1.0%
66.7%	30	30	0	-0.8%
67.9%	30	30	0	-1.1%
69.1%	30	30	0	-1.0%
70.4%	30	30	0	-1.1%
71.6%	30	30	0	-1.1%
72.8%	30	30	0	-1.0%
74.1%	30	30	0	-0.8%
75.3%	30	30	0	-0.7%
76.5%	30	30	0	-0.4%
77.8%	30	30	0	-0.4%
79.0%	30	30	0	-0.6%
80.2%	30	30	0	-0.6%
81.5%	30	30	0	-0.3%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	0.1%
85.2%	29	30	0	0.3%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.3%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.1%
93.8%	29	29	0	0.1%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.2%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	-0.2%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	42	42	-1	-1.3%
2.5%	40	40	0	0.0%
3.7%	39	39	0	0.0%
4.9%	39	39	0	0.0%
6.2%	37	37	-1	-1.5%
7.4%	36	36	-1	-1.9%
8.6%	36	35	-1	-1.6%
9.9%	35	35	0	-0.4%
11.1%	35	35	0	-0.7%
12.3%	35	34	0	-1.4%
13.6%	34	34	0	0.2%
14.8%	32	34	0	0.0%
16.0%	34	34	0	-0.4%
17.3%	33	33	0	-0.1%
18.5%	33	33	0	-0.2%
19.8%	33	33	0	-0.1%
21.0%	33	33	0	-0.8%
22.2%	33	33	0	-0.4%
23.5%	33	33	0	-0.2%
24.7%	33	33	0	-0.9%
25.9%	33	32	-1	-1.8%
27.2%	33	32	-1	-2.1%
28.4%	32	32	-1	-1.6%
29.6%	32	32	-1	-1.8%
30.9%	32	32	-1	-1.9%
32.1%	32	32	0	-1.1%
33.3%	32	32	0	-1.0%
34.6%	32	31	0	-1.1%
35.8%	32	31	-1	-1.6%
37.0%	32	31	0	-1.4%
38.3%	31	31	0	-1.5%
39.5%	31	31	0	-1.3%
40.7%	31	31	-1	-1.8%
42.0%	31	31	0	-1.5%
43.2%	31	31	-1	-1.6%
44.4%	31	30	-1	-1.8%
45.7%	30	30	0	-1.6%
46.9%	31	30	-1	-1.8%
48.1%	31	30	-1	-1.9%
49.4%	31	30	-1	-1.9%
50.6%	31	30	-1	-1.9%
51.9%	31	30	0	-1.5%
53.1%	31	30	0	-1.5%
54.3%	31	30	-1	-1.9%
55.6%	31	30	-1	-1.6%
56.8%	30	30	0	-1.5%
58.0%	30	30	0	-1.4%
59.3%	30	30	0	-1.5%
60.5%	30	30	-1	-1.9%
61.7%	30	30	0	-1.6%
63.0%	30	30	-1	-2.2%
64.2%	30	30	-1	-2.1%
65.4%	30	30	-1	-2.1%
66.7%	30	30	-1	-2.1%
67.9%	30	30	-1	-2.1%
69.1%	30	30	-1	-2.1%
70.4%	30	30	-1	-1.9%
71.6%	30	30	-1	-1.7%
72.8%	30	30	-1	-1.7%
74.1%	30	30	0	-1.4%
75.3%	30	29	0	-1.5%
76.5%	30	29	0	-1.4%
77.8%	30	29	0	-1.4%
79.0%	30	29	0	-1.1%
80.2%	30	29	0	-1.0%
81.5%	30	29	0	-0.8%
82.7%	30	29	0	-0.8%
84.0%	30	29	0	-0.7%
85.2%	30	29	0	-0.8%
86.4%	30	29	0	-1.0%
87.7%	29	29	0	-1.1%
88.9%	29	29	0	-1.0%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.6%
92.6%	29	29	0	-0.3%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	-0.7%
98.8%	29	29	0	-0.6%
100.0%	29	29	0	-0.5%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	37	0	0.0%
1.2%	36	36	0	0.0%
2.5%	34	34	0	0.0%
3.7%	34	34	0	0.0%
4.9%	34	34	0	0.0%
6.2%	34	34	0	0.0%
7.4%	33	33	0	0.0%
8.6%	33	33	0	0.0%
9.9%	33	33	0	0.0%
11.1%	32	32	0	0.0%
12.3%	32	32	0	-0.5%
13.6%	32	32	0	-0.7%
14.8%	32	32	0	-0.6%
16.0%	32	32	0	-0.5%
17.3%	32	32	0	-1.1%
18.5%	32	31	0	-1.2%
19.8%	32	31	0	-1.5%
21.0%	32	31	-1	-1.8%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-1.2%
24.7%	31	30	0	-1.5%
25.9%	31	30	-1	-1.9%
27.2%	30	32	0	-0.5%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	0.0%
34.6%	30	30	0	-0.1%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	-0.3%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-0.3%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.1%
44.4%	30	30	-1	-0.2%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	-0.5%
51.9%	30	30	0	-0.5%
53.1%	30	29	0	-0.4%
54.3%	30	29	0	-0.5%
55.6%	30	29	0	-0.5%
56.8%	30	29	0	-0.4%
58.0%	30	29	0	-0.3%
59.3%	30	29	0	-0.4%
60.5%	30	29	0	-0.4%
61.7%	30	29	0	-0.4%
63.0%	29	29	0	-0.4%
64.2%	29	29	0	-0.4%
65.4%	29	29	0	-0.5%
66.7%	29	29	0	-0.4%
67.9%	29	29	0	-0.4%
69.1%	29	29	0	-0.5%
70.4%	29	29	0	-0.5%
71.6%	29	29	0	-0.5%
72.8%	29	29	0	-0.4%
74.1%	29	29	0	-0.4%
75.3%	29	29	0	-0.4%
76.5%	29	29	0	-0.6%
77.8%	29	29	0	-0.6%
79.0%	29	29	0	-0.6%
80.2%	29	29	0	-0.7%
81.5%	29	29	0	-0.7%
82.7%	29	29	0	-0.8%
84.0%	29	29	0	-0.8%
85.2%	29	29	0	-0.9%
86.4%	29	29	0	-0.9%
87.7%	29	29	0	-0.9%
88.9%	29	29	0	-0.8%
90.1%	29	29	0	-0.9%
91.4%	29	29	0	-0.7%
92.6%	29	29	0	-0.9%
93.8%	29	29	0	-0.9%
95.1%	29	29	0	-0.9%
96.3%	29	29	0	-0.5%
97.5%	29	29	0	-0.4%
98.8%	29	29	0	-0.3%
100.0%	29	29	0	-0.5%

Percent Exceedance Probability	May			
	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.0%
1.2%	33	33	0	0.0%
2.5%	33	33	0	0.0%
3.7%	33	33	0	0.0%
4.9%	33	33	0	-0.1%
6.2%	32	32	0	-0.1%
7.4%	32	32	0	0.1%
8.6%	32	32	0	-0.1%
9.9%	32	32	0	-0.1%
11.1%	31	31	0	-0.8%
12.3%	31	31	0	-0.2%
13.6%	31	31	0	-0.2%
14.8%	31	31	0	-0.5%
16.0%	31	31	0	-0.2%
17.3%	31	31	0	-1.1%
18.5%	31	31	0	-0.8%
19.8%	31	30	0	-0.8%
21.0%	31	30	0	-0.8%
22.2%	30	30	0	-0.2%
23.5%	30	30	0	-0.1%
24.7%	30	30	0	-0.6%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	0.2%
28.4%	30	30	0	0.2%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.4%
35.8%	30	30	0	-0.5%
37.0%	30	30	0	-0.3%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-0.3%
40.7%	30	30	0	-0.3%
42.0%	30	30	0	-0.4%
43.2%	30	30</		

Table SW-54-3b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.4%
1.2%	32	32	0	0.6%
2.5%	31	31	0	1.0%
3.7%	31	31	0	1.0%
4.9%	31	31	0	0.7%
6.2%	31	31	0	0.2%
7.4%	31	31	0	1.5%
8.6%	31	31	0	1.4%
9.9%	31	31	0	0.9%
11.1%	31	31	0	0.8%
12.3%	30	31	0	1.0%
13.6%	30	31	0	0.9%
14.8%	30	31	0	0.9%
16.0%	30	31	0	0.7%
17.3%	30	31	0	0.9%
18.5%	30	31	0	0.9%
19.8%	30	31	0	0.8%
21.0%	30	31	0	0.8%
22.2%	30	31	0	0.7%
23.5%	30	30	0	0.7%
24.7%	30	30	0	0.7%
25.9%	30	30	0	0.6%
27.2%	30	30	0	0.7%
28.4%	30	30	0	0.6%
29.6%	30	30	0	0.6%
30.9%	30	30	0	0.6%
32.1%	30	30	0	0.6%
33.3%	30	30	0	0.6%
34.6%	30	30	0	0.5%
35.8%	30	30	0	0.5%
37.0%	30	30	0	0.5%
38.3%	30	30	0	0.6%
39.5%	30	30	0	0.6%
40.7%	30	30	0	0.6%
42.0%	30	30	0	0.7%
43.2%	30	30	0	0.7%
44.4%	30	30	0	0.7%
45.7%	30	30	0	0.7%
46.9%	30	30	0	0.7%
48.1%	30	30	0	0.8%
49.4%	30	30	0	0.8%
50.6%	30	30	0	0.8%
51.9%	30	30	0	0.8%
53.1%	30	30	0	0.7%
54.3%	30	30	0	0.8%
55.6%	30	30	0	0.7%
56.8%	30	30	0	0.7%
58.0%	30	30	0	0.7%
59.3%	30	30	0	0.7%
60.5%	30	30	0	0.7%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.6%
64.2%	30	30	0	0.6%
65.4%	30	30	0	0.7%
66.7%	30	30	0	0.7%
67.9%	30	30	0	0.7%
69.1%	30	30	0	0.6%
70.4%	30	30	0	0.6%
71.6%	30	30	0	0.7%
72.8%	30	30	0	0.7%
74.1%	30	30	0	0.7%
75.3%	30	30	0	0.9%
76.5%	30	30	0	0.9%
77.8%	30	30	0	0.9%
79.0%	30	30	0	0.9%
80.2%	30	30	0	0.9%
81.5%	30	30	0	0.8%
82.7%	30	30	0	0.8%
84.0%	30	30	0	0.8%
85.2%	30	30	0	0.8%
86.4%	30	30	0	0.7%
87.7%	30	30	0	0.7%
88.9%	30	30	0	0.7%
90.1%	30	30	0	0.7%
91.4%	30	30	0	0.7%
92.6%	30	30	0	0.6%
93.8%	30	30	0	0.6%
95.1%	30	30	0	0.6%
96.3%	30	30	0	0.7%
97.5%	29	30	0	1.2%
98.8%	29	30	0	1.2%
100.0%	29	29	0	0.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	0	0.9%
1.2%	31	32	0	0.8%
2.5%	31	32	0	1.0%
3.7%	31	32	0	1.2%
4.9%	31	32	0	1.5%
6.2%	31	32	1	1.6%
7.4%	31	31	0	1.4%
8.6%	31	31	0	1.5%
9.9%	31	31	0	1.5%
11.1%	31	31	0	1.4%
12.3%	31	31	0	1.4%
13.6%	31	31	0	1.4%
14.8%	31	31	0	1.4%
16.0%	31	31	0	1.4%
17.3%	31	31	0	1.4%
18.5%	31	31	0	1.4%
19.8%	31	31	0	1.5%
21.0%	31	31	0	1.5%
22.2%	31	31	0	1.4%
23.5%	31	31	0	1.5%
24.7%	31	31	0	1.4%
25.9%	31	31	0	1.1%
27.2%	31	31	0	1.0%
28.4%	31	31	0	1.1%
29.6%	31	31	0	1.0%
30.9%	31	31	0	1.1%
32.1%	31	31	0	1.0%
33.3%	31	31	0	1.0%
34.6%	31	31	0	0.9%
35.8%	31	31	0	0.7%
37.0%	31	31	0	0.7%
38.3%	31	31	0	0.7%
39.5%	31	31	0	0.8%
40.7%	31	31	0	0.8%
42.0%	31	31	0	0.9%
43.2%	31	31	0	0.8%
44.4%	31	31	0	0.8%
45.7%	31	31	0	0.9%
46.9%	31	31	0	0.7%
48.1%	31	31	0	0.7%
49.4%	30	31	0	1.0%
50.6%	30	31	0	1.1%
51.9%	30	31	0	1.1%
53.1%	30	31	0	1.1%
54.3%	30	31	0	1.1%
55.6%	30	31	0	1.1%
56.8%	30	31	0	1.1%
58.0%	30	31	0	1.2%
59.3%	30	31	0	1.3%
60.5%	30	31	0	1.2%
61.7%	30	31	0	1.2%
63.0%	30	31	0	1.2%
64.2%	30	31	0	1.3%
65.4%	30	31	0	1.2%
66.7%	30	31	0	1.2%
67.9%	30	31	0	1.2%
69.1%	30	31	0	1.1%
70.4%	30	31	0	1.1%
71.6%	30	31	0	1.2%
72.8%	30	31	0	1.2%
74.1%	30	30	0	1.0%
75.3%	30	30	0	1.0%
76.5%	30	30	0	0.9%
77.8%	30	30	0	0.9%
79.0%	30	30	0	0.9%
80.2%	30	30	0	0.9%
81.5%	30	30	0	0.8%
82.7%	30	30	0	0.8%
84.0%	30	30	0	0.9%
85.2%	30	30	0	0.9%
86.4%	30	30	0	0.7%
87.7%	30	30	0	0.7%
88.9%	30	30	0	0.9%
90.1%	30	30	0	0.9%
91.4%	30	30	0	0.9%
92.6%	30	30	0	0.8%
93.8%	30	30	0	0.7%
95.1%	30	30	0	0.7%
96.3%	30	30	0	0.6%
97.5%	30	30	0	0.6%
98.8%	30	30	0	0.6%
100.0%	29	30	0	1.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	-0.1%
1.2%	31	31	0	-0.2%
2.5%	31	31	0	-0.5%
3.7%	31	31	0	-0.3%
4.9%	31	31	0	-0.4%
6.2%	31	31	0	0.0%
7.4%	31	31	0	0.1%
8.6%	31	31	0	0.3%
9.9%	30	31	0	0.2%
11.1%	30	30	0	-0.4%
12.3%	30	30	0	-0.1%
13.6%	30	30	0	0.0%
14.8%	30	31	0	-0.2%
16.0%	30	30	0	-0.2%
17.3%	30	31	0	-0.2%
18.5%	30	30	0	-0.4%
19.8%	30	30	0	-0.3%
21.0%	30	30	0	-0.2%
22.2%	30	30	0	-0.2%
23.5%	30	30	0	-0.2%
24.7%	30	30	0	-0.2%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.4%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.1%
34.6%	30	30	0	0.0%
35.8%	30	30	0	0.0%
37.0%	30	30	0	0.0%
38.3%	30	30	0	0.0%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.0%
42.0%	30	30	0	0.0%
43.2%	30	30	0	0.0%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	-0.1%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	-0.1%
51.9%	30	30	0	-0.1%
53.1%	30	30	0	-0.1%
54.3%	30	30	0	-0.1%
55.6%	30	30	0	-0.1%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.2%
59.3%	30	30	0	-0.2%
60.5%	30	30	0	-0.2%
61.7%	30	30	0	-0.2%
63.0%	30	30	0	-0.2%
64.2%	30	30	0	-0.1%
65.4%	30	30	0	-0.1%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.1%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	0.0%
72.8%	30	30	0	-0.1%
74.1%	30	30	0	-0.1%
75.3%	30	30	0	-0.1%
76.5%	30	30	0	-0.1%
77.8%	30	30	0	-0.1%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	30	30	0	0.0%
82.7%	30	30	0	0.0%
84.0%	30	30	0	0.0%
85.2%	30	30	0	0.0%
86.4%	30	30	0	0.0%
87.7%	30	30	0	0.1%
88.9%	29	30	0	0.0%
90.1%	29	30	0	0.1%
91.4%	29	30	0	0.1%
92.6%	29	29	0	0.1%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.4%
100.0%	29	29	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-1.0%
1.2%	32	32	0	-0.2%
2.5%	32	32	0	-0.1%
3.7%	32	31	0	-0.5%
4.9%	32	31	0	-0.5%
6.2%	32	31	0	-0.4%
7.4%	31	31	0	0.1%
8.6%	31	31	0	-0.1%
9.9%	31	31	0	0.1%
11.1%	31	31	0	-0.3%
12.3%	31	31	0	-0.4%
13.6%	31	31	0	-0.4%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.4%
17.3%	31	31	0	-0.1%
18.5%	31	31	0	-0.3%
19.8%	31	31	0	-0.5%
21.0%	31	31	0	-0.4%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.1%
24.7%	31	31	0	0.1%
25.9%	31	31	0	0.1%
27.2%	31	31	0	0.4%
28.4%	31	31	0	0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.7%
32.1%	30	30	0	-0.6%
33.3%	30	30	0	-0.6%
34.6%	30	30	0	-0.9%
35.8%	30	30	0	-0.6%
37.0%	30	30	0	-0.7%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-1.0%
40.7%	30	30	0	-0.9%
42.0%	30	30	0	-0.5%
43.2%	30	29	0	-0.

Table SW-56-3a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹	29	32	34	37	38	37	32	30	29	30	29	31
No Action Alternative	30	32	34	36	37	36	32	30	29	32	30	32
Alternative A	1	1	0	-1	-1	-1	0	0	0	2	1	1
Difference	3.5%	2.4%	-0.1%	-2.0%	-1.8%	-3.0%	-0.4%	0.3%	1.5%	5.4%	2.7%	3.1%
Percent Difference ³												
Water Year Types²												
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative A	32	35	35	41	42	41	36	34	30	31	29	36
Difference	2	1	0	0	0	0	0	0	1	1	0	1
Percent Difference	5.0%	1.6%	-0.1%	-1.0%	-0.8%	-0.5%	-0.1%	0.2%	1.7%	4.7%	0.5%	2.6%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative A	30	34	35	38	41	39	33	30	29	33	29	32
Difference	1	1	0	-1	-1	-1	0	0	0	2	0	1
Percent Difference	3.1%	4.1%	-0.5%	-2.2%	-2.2%	-2.1%	-0.6%	-0.6%	0.7%	7.5%	1.6%	1.8%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative A	30	32	36	34	37	33	30	28	29	32	29	29
Difference	1	1	0	-2	-1	-2	0	0	0	3	1	1
Percent Difference	4.6%	3.1%	0.6%	-5.3%	-1.8%	-6.5%	-0.8%	-0.7%	1.2%	9.0%	2.7%	3.6%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative A	29	31	35	32	34	33	28	28	29	32	30	29
Difference	0	1	0	0	-1	-2	0	0	1	2	1	1
Percent Difference	1.5%	2.8%	0.3%	-1.4%	-2.6%	-5.3%	-0.8%	1.5%	2.2%	5.1%	4.0%	3.6%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative A	29	28	31	31	31	31	27	27	29	31	31	29
Difference	1	0	0	0	-1	-1	0	0	0	0	2	1
Percent Difference	2.2%	1.3%	-1.5%	-1.6%	-2.7%	-2.9%	0.5%	1.0%	1.4%	1.5%	6.3%	4.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

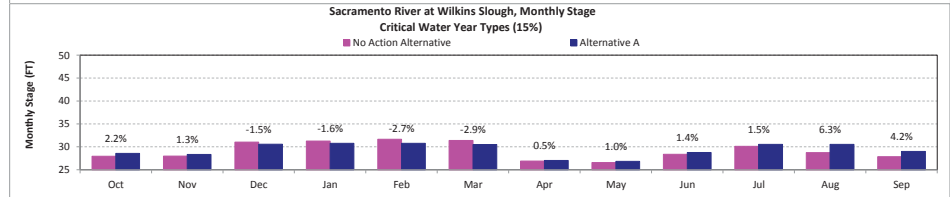
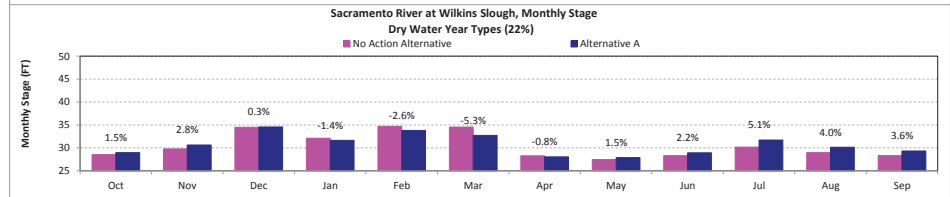
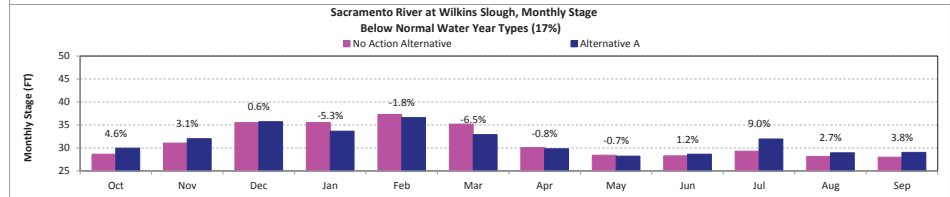
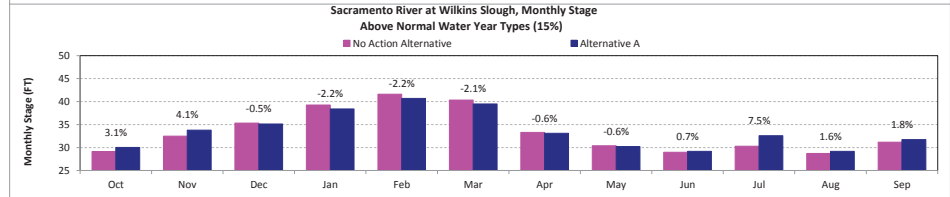
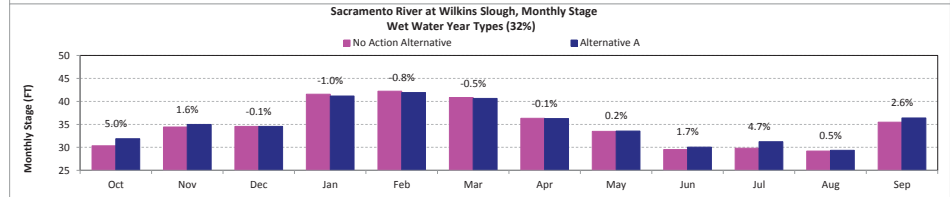
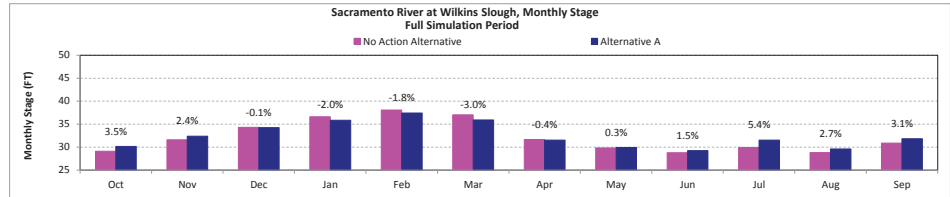


Figure SW-56-3b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

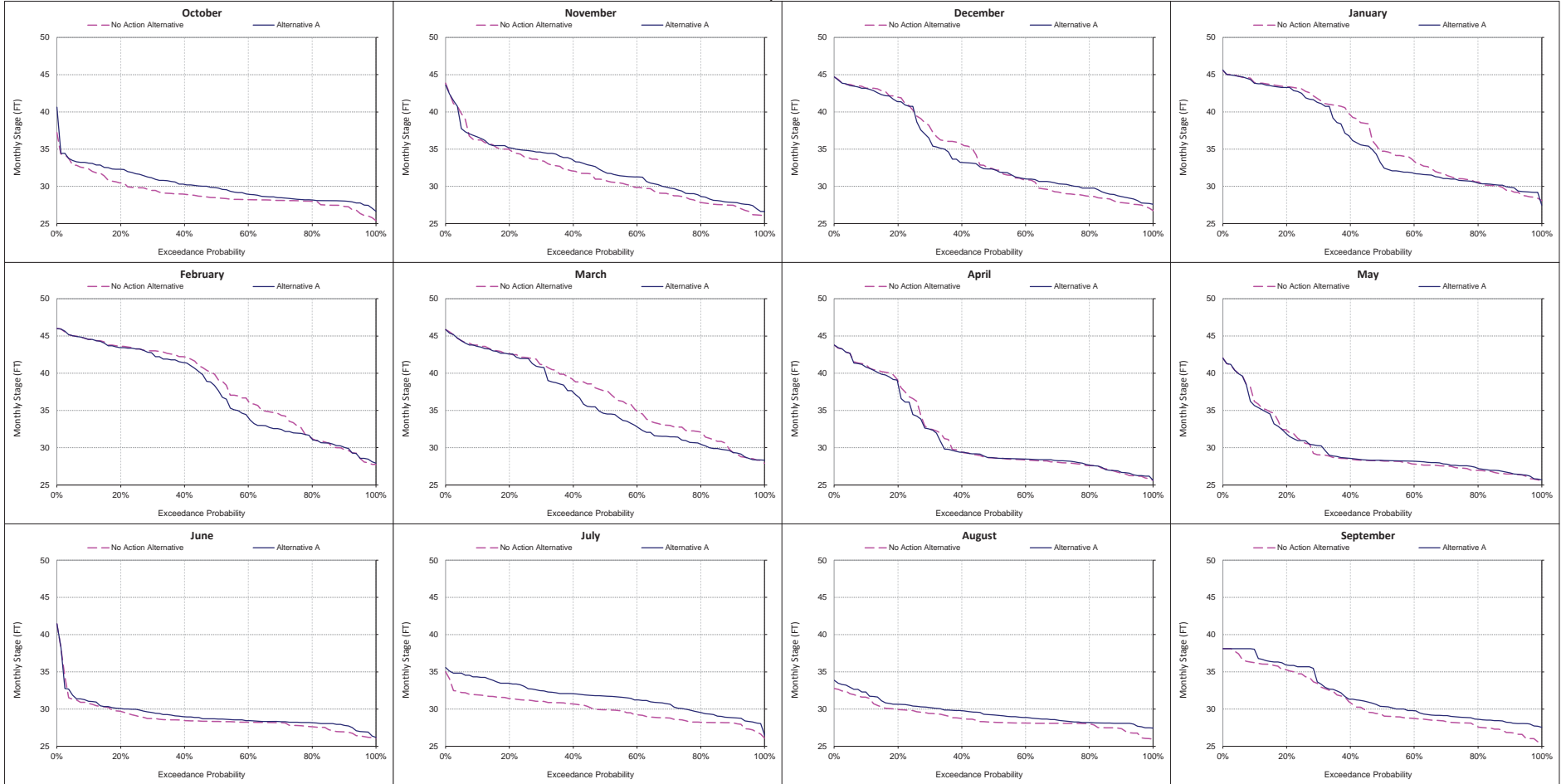


Table SW-56-3b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

Percent Exceedance Probability	October				
	No Action Alternative	Alternative A	Absolute Difference (FT)	Relative Difference (%)	
	Monthly Stage (FT)	Monthly Stage (FT)			
0.0%	37	41	3	9.2%	
1.2%	34	34	0	0.3%	
2.5%	34	34	0	-0.5%	
3.7%	34	34	0	0.0%	
4.9%	33	33	1	1.8%	
6.2%	33	33	0	1.4%	
7.4%	33	33	1	2.0%	
8.6%	32	33	1	2.2%	
9.9%	32	33	1	2.3%	
11.1%	32	33	1	3.4%	
12.3%	32	33	1	3.4%	
13.6%	32	33	1	3.4%	
14.8%	31	33	1	3.6%	
16.0%	31	32	2	5.4%	
17.3%	31	32	2	5.3%	
18.5%	31	32	2	5.6%	
19.8%	30	32	2	6.0%	
21.0%	30	32	2	5.9%	
22.2%	30	32	2	6.9%	
23.5%	30	32	2	8.8%	
24.7%	30	32	2	6.2%	
25.9%	30	32	2	6.1%	
27.2%	30	31	2	5.6%	
28.4%	30	31	2	5.6%	
29.6%	29	31	2	5.7%	
30.9%	29	31	1	5.1%	
32.1%	29	31	2	5.4%	
33.3%	29	31	2	5.8%	
34.6%	29	31	2	5.9%	
35.8%	29	31	2	5.5%	
37.0%	29	31	2	5.5%	
38.3%	29	30	1	4.6%	
39.5%	29	30	1	4.6%	
40.7%	29	30	1	4.5%	
42.0%	29	30	1	4.6%	
43.2%	29	30	1	4.7%	
44.4%	29	30	1	4.8%	
45.7%	29	30	1	4.8%	
46.9%	29	30	1	5.0%	
48.1%	28	30	1	4.9%	
49.4%	28	30	1	4.7%	
50.6%	28	30	1	4.7%	
51.9%	28	30	1	4.2%	
53.1%	28	30	1	4.3%	
54.3%	28	29	1	3.8%	
55.6%	28	29	1	3.5%	
56.8%	28	29	1	3.3%	
58.0%	28	29	1	3.2%	
59.3%	28	29	1	2.6%	
60.5%	28	29	1	2.5%	
61.7%	28	29	1	2.5%	
63.0%	28	29	1	2.2%	
64.2%	28	29	0	1.7%	
65.4%	28	29	0	1.6%	
66.7%	28	29	0	1.5%	
67.9%	28	29	0	1.7%	
69.1%	28	28	0	1.4%	
70.4%	28	28	0	1.3%	
71.6%	28	28	0	1.0%	
72.8%	28	28	0	1.1%	
74.1%	28	28	0	1.0%	
75.3%	28	28	0	0.6%	
76.5%	28	28	0	0.6%	
77.8%	28	28	0	0.6%	
79.0%	28	28	0	0.6%	
80.2%	28	28	0	0.6%	
81.5%	28	28	0	0.4%	
82.7%	28	28	1	2.0%	
84.0%	27	28	1	2.1%	
85.2%	27	28	1	2.2%	
86.4%	27	28	1	2.1%	
87.7%	27	28	1	2.1%	
88.9%	27	28	1	2.2%	
90.1%	27	28	1	2.7%	
91.4%	27	28	1	2.6%	
92.6%	27	28	1	4.0%	
93.8%	27	28	1	3.7%	
95.1%	26	28	1	5.4%	
96.3%	26	27	1	5.2%	
97.5%	26	27	1	5.4%	
98.8%	26	27	1	4.8%	
100.0%	25	27	1	5.0%	

Percent Exceedance Probability	November				
	No Action Alternative	Alternative A	Absolute Difference (FT)	Relative Difference (%)	
	Monthly Stage (FT)	Monthly Stage (FT)			
0.0%	44	44	0	-0.6%	
1.2%	42	42	0	-0.2%	
2.5%	41	42	0	1.1%	
3.7%	41	41	0	0.0%	
4.9%	40	38	-2	-5.1%	
6.2%	39	37	-2	-4.3%	
7.4%	37	37	0	0.7%	
8.6%	36	37	1	1.5%	
9.9%	36	37	0	1.3%	
11.1%	36	36	0	0.5%	
12.3%	36	36	0	0.8%	
13.6%	36	36	0	-0.3%	
14.8%	36	35	0	-0.3%	
16.0%	35	35	0	0.8%	
17.3%	35	35	0	1.3%	
18.5%	35	35	0	1.4%	
19.8%	35	35	0	0.6%	
21.0%	35	35	0	1.4%	
22.2%	35	35	1	1.7%	
23.5%	34	35	1	1.7%	
24.7%	34	35	1	2.6%	
25.9%	34	35	1	2.8%	
27.2%	34	35	1	3.2%	
28.4%	34	35	1	2.9%	
29.6%	33	35	2	3.5%	
30.9%	33	35	2	3.4%	
32.1%	33	34	1	4.3%	
33.3%	33	34	2	4.9%	
34.6%	33	34	2	4.8%	
35.8%	33	34	1	4.2%	
37.0%	32	34	2	4.9%	
38.3%	32	34	2	5.0%	
39.5%	32	34	2	4.9%	
40.7%	32	33	1	4.0%	
42.0%	32	33	1	4.7%	
43.2%	32	33	1	4.3%	
44.4%	32	33	1	3.7%	
45.7%	32	33	1	3.5%	
46.9%	31	33	2	5.4%	
48.1%	31	32	1	4.3%	
49.4%	31	32	1	3.6%	
50.6%	31	32	1	3.5%	
51.9%	31	32	1	3.8%	
53.1%	31	32	1	3.4%	
54.3%	30	31	1	3.2%	
55.6%	30	31	1	3.3%	
56.8%	30	31	1	3.6%	
58.0%	30	31	1	3.9%	
59.3%	30	31	1	4.7%	
60.5%	30	31	1	4.7%	
61.7%	30	31	1	4.9%	
63.0%	30	31	1	3.2%	
64.2%	30	30	0	2.6%	
65.4%	29	30	1	3.4%	
66.7%	29	30	1	3.9%	
67.9%	29	30	1	3.2%	
69.1%	29	30	1	2.9%	
70.4%	29	30	1	3.0%	
71.6%	29	30	1	3.4%	
72.8%	29	30	1	2.8%	
74.1%	29	29	0	2.5%	
75.3%	29	29	1	1.9%	
76.5%	29	29	1	2.6%	
77.8%	29	29	1	2.9%	
79.0%	28	29	1	3.3%	
80.2%	28	29	1	2.9%	
81.5%	28	29	1	2.9%	
82.7%	28	28	1	2.4%	
84.0%	28	28	1	2.0%	
85.2%	28	28	1	1.9%	
86.4%	28	28	0	1.8%	
87.7%	28	28	0	1.4%	
88.9%	27	28	0	1.5%	
90.1%	27	28	0	1.4%	
91.4%	27	28	1	2.0%	
92.6%	27	28	1	2.4%	
93.8%	27	28	1	3.0%	
95.1%	27	28	1	3.4%	
96.3%	26	27	1	4.7%	
97.5%	26	27	1	3.2%	
98.8%	26	27	1	2.0%	
100.0%	26	27	1	2.1%	

Percent Exceedance Probability	December				
	No Action Alternative	Alternative A	Absolute Difference (FT)	Relative Difference (%)	
	Monthly Stage (FT)	Monthly Stage (FT)			
0.0%	45	45	0	0.0%	
1.2%	44	44	0	-0.2%	
2.5%	44	44	0	0.0%	
3.7%	44	44	0	0.2%	
4.9%	44	44	0	-0.4%	
6.2%	44	43	0	-0.2%	
7.4%	44	43	0	-0.4%	
8.6%	43	43	0	-0.6%	
9.9%	43	43	0	0.0%	
11.1%	43	43	0	-0.2%	
12.3%	43	43	0	-0.8%	
13.6%	43	43	-1	-1.2%	
14.8%	43	42	-1	-1.2%	
16.0%	43	42	-1	-1.4%	
17.3%	42	42	0	0.0%	
18.5%	42	42	0	-1.0%	
19.8%	42	41	-1	-1.5%	
21.0%	42	41	-1	-1.2%	
22.2%	41	41	0	-0.4%	
23.5%	41	41	0	-0.2%	
24.7%	40	41	1	1.3%	
25.9%	39	39	-1	-2.0%	
27.2%	39	38	-2	-3.9%	
28.4%	39	37	-2	-3.9%	
29.6%	38	37	-2	-4.5%	
30.9%	37	35	-2	-5.2%	
32.1%	37	35	-1	-3.8%	
33.3%	36	35	-1	-3.1%	
34.6%	36	35	-1	-3.1%	
35.8%	36	35	-1	-3.9%	
37.0%	36	34	-2	-6.6%	
38.3%	36	34	-2	-6.4%	
39.5%	36	33	-3	-7.1%	
40.7%	35	33	-2	-6.4%	
42.0%	35	33	-2	-6.3%	
43.2%	35	33	-2	-5.7%	
44.4%	34	33	-1	-3.6%	
45.7%	33	33	0	-0.8%	
46.9%	33	32	-1	-1.4%	
48.1%	32	32	0	-0.4%	
49.4%	32	32	0	-0.2%	
50.6%	32	32	0	0.0%	
51.9%	32	32	0	-0.8%	
53.1%	32	32	0	0.8%	
54.3%	32	32	1	1.0%	
55.6%	31	32	0	0.2%	
56.8%	31	31	0	0.5%	
58.0%	31	31	0	0.2%	
59.3%	31	31	0	0.5%	
60.5%	31	31	0	0.4%	
61.7%	31	31	0	0.4%	
63.0%	31	31	0	1.1%	
64.2%	30	31	1	3.1%	
65.4%	30	31	1	3.4%	
66.7%	30	31	1	3.6%	
67.9%	29	31	1	3.8%	
69.1%	29	30	1	4.2%	
70.4%	29	30	1	3.8%	
71.6%	29	30	1	4.3%	
72.8%	29	30	1	4.4%	
74.1%	29	30	1	4.0%	
75.3%	29	30	1	3.8%	
76.5%	29	30	1	3.7%	
77.8%	29	30	1	3.4%	
79.0%	29	30	1	3.7%	
80.2%	29	30	1	3.9%	
81.5%	29	30	1	3.9%	
82.7%	28	30	1	3.8%	
84.0%	28	29	1	3.0%	
85.2%	28	29	1	2.6%	
86.4%	28	29	1	2.3%	
87.7%	28	29	1	3.0%	
88.9%	28	29	1	3.2%	
90.1%	28	29	1	2.9%	
91.4%	28	29	1	2.7%	
92.6%	28	28	1	2.6%	
93.8%	28	28	1	2.6%	
95.1%	28	28	1	1.9%	
96.3%	27	28	0	1.1%	
97.5%	27	28	0	1.6%	
98.8%	27	28	1	2.4%	
100.0%	27	28	1	3.2%	

Percent Exceedance Probability	January				
	No Action Alternative	Alternative A	Absolute Difference (FT)	Relative Difference (%)	
	Monthly Stage (FT)	Monthly Stage (FT)			
0.0%	46	46	0	0.2%	
1.2%	45	45	0	0.0%	
2.5%	45	45	0	-0.2%	
3.7%	45	45	0	-0.2%	
4.9%	45	45	0	0.0%	
6.2%	45	45	0	0.2%	
7.4%	45	45	0	-0.2%	
8.6%	45	44	0	-0.4%	
9.					

Table SW-56-3b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.0%
3.7%	45	45	0	0.0%
4.9%	45	45	0	0.0%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	45	0	-0.2%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.2%
14.8%	44	44	0	-0.4%
16.0%	44	44	0	-0.2%
17.3%	44	44	0	-0.2%
18.5%	44	44	0	-0.4%
19.8%	44	43	0	-0.4%
21.0%	44	43	0	-0.4%
22.2%	44	43	0	-0.4%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	0.0%
25.9%	43	43	0	0.0%
27.2%	43	43	0	0.0%
28.4%	43	43	0	-0.4%
29.6%	43	43	0	-0.6%
30.9%	43	42	-1	-1.8%
32.1%	43	42	-1	-1.6%
33.3%	43	42	-1	-2.2%
34.6%	43	42	-1	-1.8%
35.8%	43	42	-1	-1.8%
37.0%	42	42	0	-1.6%
38.3%	42	42	0	-1.6%
39.5%	42	41	-1	-1.8%
40.7%	42	41	-1	-1.9%
42.0%	42	41	-1	-2.1%
43.2%	42	41	-1	-2.3%
44.4%	41	41	0	-1.9%
45.7%	41	40	-1	-2.4%
46.9%	40	39	-1	-3.7%
48.1%	40	39	-1	-3.2%
49.4%	40	38	-1	-3.7%
50.6%	39	38	-1	-3.6%
51.9%	39	37	-2	-5.5%
53.1%	38	37	-2	-4.9%
54.3%	37	35	-2	-4.7%
55.6%	37	35	-2	-5.2%
56.8%	37	35	-2	-5.3%
58.0%	37	35	-2	-5.6%
59.3%	37	34	-2	-6.1%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-3	-7.5%
64.2%	35	33	-2	-5.8%
65.4%	35	33	-2	-5.6%
66.7%	35	33	-2	-6.0%
67.9%	35	33	-2	-6.2%
69.1%	35	33	-2	-5.9%
70.4%	34	32	-2	-5.4%
71.6%	34	32	-2	-5.0%
72.8%	34	32	-1	-4.2%
74.1%	33	32	-1	-4.2%
75.3%	33	32	-1	-3.0%
76.5%	33	32	-1	-2.4%
77.8%	32	32	0	-0.5%
79.0%	32	32	0	0.4%
80.2%	31	31	0	-0.3%
81.5%	31	31	0	0.3%
82.7%	31	31	0	-0.8%
84.0%	31	31	0	-0.4%
85.2%	31	31	0	0.2%
86.4%	30	31	0	1.4%
87.7%	30	30	0	0.9%
88.9%	30	30	0	0.9%
90.1%	30	30	0	1.0%
91.4%	30	30	0	0.9%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.1%
95.1%	29	29	0	0.1%
96.3%	28	29	0	1.7%
97.5%	28	28	0	1.7%
98.8%	28	28	0	1.2%
100.0%	28	28	0	0.7%

March				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	45	0	-0.3%
2.5%	45	45	0	0.0%
3.7%	45	45	0	0.0%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.2%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	0.0%
9.9%	44	44	0	-0.4%
11.1%	44	44	0	-0.2%
12.3%	44	43	0	-0.8%
13.6%	43	43	0	-0.2%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.2%
17.3%	43	43	0	-0.6%
18.5%	43	43	0	0.0%
19.8%	43	43	0	-0.2%
21.0%	42	43	0	0.2%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	-0.4%
24.7%	42	42	0	-0.4%
25.9%	42	42	0	-0.2%
27.2%	42	41	-1	-1.7%
28.4%	42	41	-1	-2.3%
29.6%	41	41	0	-0.8%
30.9%	41	41	0	-0.9%
32.1%	41	39	-2	-4.3%
33.3%	40	39	-2	-4.1%
34.6%	40	39	-2	-4.1%
35.8%	40	39	-1	-3.3%
37.0%	40	38	-1	-3.7%
38.3%	40	38	-2	-4.7%
39.5%	39	38	-2	-4.1%
40.7%	39	37	-2	-4.4%
42.0%	39	37	-2	-5.5%
43.2%	38	36	-3	-7.7%
44.4%	39	36	-3	-7.8%
45.7%	39	35	-3	-8.0%
46.9%	38	35	-3	-6.7%
48.1%	38	35	-3	-7.8%
49.4%	38	35	-3	-8.1%
50.6%	38	35	-3	-8.4%
51.9%	37	35	-3	-7.0%
53.1%	37	34	-2	-6.1%
54.3%	36	34	-2	-6.3%
55.6%	36	34	-3	-7.1%
56.8%	36	34	-2	-6.4%
58.0%	36	33	-3	-7.2%
59.3%	35	33	-2	-6.1%
60.5%	35	33	-2	-5.9%
61.7%	35	32	-2	-6.4%
63.0%	34	32	-2	-5.3%
64.2%	34	32	-1	-4.4%
65.4%	33	32	-2	-5.3%
66.7%	33	32	-2	-5.0%
67.9%	33	32	-2	-4.7%
69.1%	33	32	-2	-4.6%
70.4%	33	31	-2	-4.6%
71.6%	33	31	-1	-4.1%
72.8%	33	31	-1	-4.1%
74.1%	33	31	-2	-5.3%
75.3%	32	31	-1	-4.1%
76.5%	32	31	-2	-4.8%
77.8%	32	31	-2	-4.9%
79.0%	32	31	-2	-4.8%
80.2%	32	30	-2	-5.1%
81.5%	31	30	-1	-3.7%
82.7%	31	30	-1	-4.0%
84.0%	31	30	-1	-3.8%
85.2%	31	30	-1	-3.1%
86.4%	31	30	-1	-3.5%
87.7%	31	30	-1	-3.0%
88.9%	30	30	0	-0.7%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.5%
92.6%	29	29	0	1.3%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.0%
96.3%	29	28	0	-0.4%
97.5%	28	28	0	0.1%
98.8%	28	28	0	0.0%
100.0%	28	28	0	1.5%

April				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	43	43	0	0.2%
2.5%	43	43	0	0.0%
3.7%	43	43	0	0.0%
4.9%	43	43	0	0.0%
6.2%	42	41	0	-0.4%
7.4%	41	41	0	-0.2%
8.6%	41	41	0	-0.2%
9.9%	41	41	0	-0.9%
11.1%	41	41	0	0.0%
12.3%	40	40	0	-0.2%
13.6%	40	40	0	-0.7%
14.8%	40	40	0	-0.9%
16.0%	40	40	0	-0.9%
17.3%	40	40	-1	-1.3%
18.5%	40	39	-1	-1.5%
19.8%	39	39	0	-0.2%
21.0%	38	37	-1	-3.8%
22.2%	37	36	-1	-3.6%
23.5%	37	36	-1	-2.2%
24.7%	37	34	-2	-5.9%
25.9%	36	34	-2	-5.5%
27.2%	34	34	0	-1.4%
28.4%	33	33	0	-0.9%
29.6%	33	33	0	0.0%
30.9%	32	32	0	-0.3%
32.1%	32	32	0	-0.9%
33.3%	32	31	-1	-3.5%
34.6%	31	30	-1	-4.5%
35.8%	31	30	-1	-4.2%
37.0%	30	30	0	-0.5%
38.3%	30	30	0	-0.7%
39.5%	30	29	0	-0.4%
40.7%	29	29	0	0.3%
42.0%	29	29	0	-0.1%
43.2%	29	29	0	0.3%
44.4%	29	29	0	0.4%
45.7%	29	29	0	0.7%
46.9%	29	29	0	0.4%
48.1%	29	29	0	0.1%
49.4%	29	29	0	0.7%
50.6%	29	29	0	0.0%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.3%
54.3%	28	29	0	0.4%
55.6%	28	29	0	0.4%
56.8%	28	29	0	0.4%
58.0%	28	28	0	0.3%
59.3%	28	28	0	0.4%
60.5%	28	28	0	0.5%
61.7%	28	28	0	0.5%
63.0%	28	28	0	0.6%
64.2%	28	28	0	0.6%
65.4%	28	28	0	0.6%
66.7%	28	28	0	0.6%
67.9%	28	28	0	1.0%
69.1%	28	28	0	0.7%
70.4%	28	28	0	0.8%
71.6%	28	28	0	1.0%
72.8%	28	28	0	1.0%
74.1%	28	28	0	0.9%
75.3%	28	28	0	0.8%
76.5%	28	28	0	0.7%
77.8%	28	28	0	0.7%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.1%
81.5%	28	28	0	0.0%
82.7%	28	28	0	0.0%
84.0%	27	27	0	0.4%
85.2%	27	27	0	-0.4%
86.4%	27	27	0	0.3%
87.7%	27	27	0	0.2%
88.9%	27	27	0	0.6%
90.1%	27	27	0	0.4%
91.4%	26	27	0	0.7%
92.6%	26	27	0	1.3%
93.8%	26	26	0	0.4%
95.1%	26	26	0	0.3%
96.3%	26	26	0	0.3%
97.5%	26	26	0	0.9%
98.8%	26	26	0	1.4%
100.0%	26	26	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	41	41	0	0.0%
2.5%	41	41	0	0.2%
3.7%	40	40	0	0.0%
4.9%	40	40	0	0.0%
6.2%	40	40	0	0.0%
7.4%	38	38	0	-0.2%
8.6%	38	36	-2	-5.0%
9.9%	36	36	0	-1.5%
11.1%	36	35	0	-1.3%
12.3%	35	35	0	-0.5%
13.6%	35	35	0	-0.8%
14.8%	35	35	0	-0.8%
16.0%	35	35	0	-0.9%
17.3%	34	33	-1	-2.3%
18.5%	32	32	0	0.0%
19.8%	32	32	0	-1.4%
21.0%	32	32	0	-1.5%
22.2%	32	31	-1	-2.1%
23.5%	31	31	0	-1.0%
24.7%	31	31	0	0.0%
25.9%	31	31	0	1.2%
27.2%	31	30	0	-0.2%
28.4%	29	30	1	3.9%
29.6%	29	30	1	4.2%
30.9%	29	30	1	4.2%
32.1%	29	30	1	2.1%
33.3%	29	29	0	0.4%
34.6%	29	29	0	0.6%
35.8%	29	29	0	0.6%
37.0%	29	29	0	0.3%
38.3%	29	29	0	0.3%
39.5%	28	29	0	0.3%
40.7%	28	28	0	0.3%
42.0%	28	28	0	0.5%
43.2%	28	28	0	

Table SW-56-3b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

June					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	41	41	0	0.0%	
1.2%	38	38	0	0.0%	
2.5%	34	33	-2	-4.9%	
3.7%	32	33	1	3.7%	
4.9%	31	32	1	1.8%	
6.2%	31	31	0	0.5%	
7.4%	31	31	0	1.4%	
8.6%	31	31	0	1.2%	
9.9%	31	31	0	1.0%	
11.1%	31	31	0	1.3%	
12.3%	30	31	1	1.7%	
13.6%	30	30	0	0.4%	
14.8%	30	30	0	0.0%	
16.0%	30	30	0	0.3%	
17.3%	30	30	0	1.0%	
18.5%	30	30	0	1.2%	
19.8%	30	30	0	1.2%	
21.0%	30	30	0	1.6%	
22.2%	29	30	1	2.0%	
23.5%	29	30	1	2.6%	
24.7%	29	30	1	2.9%	
25.9%	29	30	1	3.1%	
27.2%	29	30	1	3.0%	
28.4%	29	30	1	3.1%	
29.6%	29	29	1	1.9%	
30.9%	29	29	1	2.6%	
32.1%	29	29	1	2.6%	
33.3%	29	29	1	2.4%	
34.6%	29	29	1	2.4%	
35.8%	29	29	1	2.2%	
37.0%	29	29	1	1.9%	
38.3%	29	29	1	1.8%	
39.5%	28	29	1	1.8%	
40.7%	28	29	1	1.8%	
42.0%	28	29	1	1.9%	
43.2%	28	28	0	1.6%	
44.4%	28	29	0	1.6%	
45.7%	28	29	0	1.2%	
46.9%	28	29	0	1.2%	
48.1%	28	29	0	1.2%	
49.4%	28	29	0	1.2%	
50.6%	28	29	0	1.1%	
51.9%	28	29	0	1.2%	
53.1%	28	29	0	1.1%	
54.3%	28	29	0	1.1%	
55.6%	28	29	0	1.0%	
56.8%	28	29	0	1.0%	
58.0%	28	29	0	1.1%	
59.3%	28	28	0	0.8%	
60.5%	28	28	0	0.7%	
61.7%	28	28	0	0.6%	
63.0%	28	28	0	0.6%	
64.2%	28	28	0	0.5%	
65.4%	28	28	0	0.5%	
66.7%	28	28	0	0.5%	
67.9%	28	28	0	0.5%	
69.1%	28	28	0	0.5%	
70.4%	28	28	0	0.5%	
71.6%	28	28	0	0.6%	
72.8%	28	28	0	1.5%	
74.1%	28	28	0	1.5%	
75.3%	28	28	0	1.6%	
76.5%	28	28	0	1.6%	
77.8%	28	28	0	1.8%	
79.0%	28	28	1	1.9%	
80.2%	28	28	1	2.0%	
81.5%	28	28	1	2.1%	
82.7%	28	28	1	1.8%	
84.0%	28	28	1	1.8%	
85.2%	27	28	1	3.0%	
86.4%	27	28	1	3.6%	
87.7%	27	28	1	3.6%	
88.9%	27	28	1	3.7%	
90.1%	27	28	1	3.3%	
91.4%	27	28	1	0.9%	
92.6%	27	27	1	2.8%	
93.8%	26	27	1	2.6%	
95.1%	26	27	1	2.2%	
96.3%	26	27	1	2.5%	
97.5%	26	27	1	2.6%	
98.8%	26	26	0	0.8%	
100.0%	26	26	0	0.5%	

July					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	35	36	1	1.6%	
1.2%	34	35	1	3.1%	
2.5%	32	35	2	7.2%	
3.7%	32	35	2	7.4%	
4.9%	32	35	3	8.0%	
6.2%	32	35	2	7.2%	
7.4%	32	35	3	7.9%	
8.6%	32	34	2	7.5%	
9.9%	32	34	2	7.6%	
11.1%	32	34	2	7.5%	
12.3%	32	34	2	7.7%	
13.6%	32	34	2	7.4%	
14.8%	32	34	2	6.8%	
16.0%	32	34	2	6.5%	
17.3%	32	33	2	6.0%	
18.5%	32	33	2	6.0%	
19.8%	31	33	2	6.5%	
21.0%	31	33	2	6.2%	
22.2%	31	33	2	6.5%	
23.5%	30	33	2	6.4%	
24.7%	31	33	2	5.9%	
25.9%	31	33	2	4.8%	
27.2%	31	33	2	5.0%	
28.4%	31	33	2	5.0%	
29.6%	31	32	1	4.6%	
30.9%	31	32	1	4.6%	
32.1%	31	32	1	4.6%	
33.3%	31	32	1	4.4%	
34.6%	31	32	1	4.3%	
35.8%	31	32	1	4.0%	
37.0%	31	32	1	4.1%	
38.3%	31	32	1	4.4%	
39.5%	31	32	1	4.4%	
40.7%	31	32	1	4.5%	
42.0%	31	32	1	4.7%	
43.2%	31	32	1	4.5%	
44.4%	30	32	2	4.9%	
45.7%	30	32	2	5.6%	
46.9%	30	32	2	6.1%	
48.1%	30	32	2	6.2%	
49.4%	30	32	2	6.2%	
50.6%	30	32	2	6.2%	
51.9%	30	32	2	6.2%	
53.1%	30	32	2	6.0%	
54.3%	30	32	2	6.2%	
55.6%	30	32	2	6.2%	
56.8%	30	31	2	6.7%	
58.0%	29	31	2	6.5%	
59.3%	29	31	2	6.9%	
60.5%	29	31	2	6.8%	
61.7%	29	31	2	6.8%	
63.0%	29	31	2	7.4%	
64.2%	29	31	2	7.1%	
65.4%	29	31	2	7.0%	
66.7%	29	31	2	7.0%	
67.9%	29	31	2	6.9%	
69.1%	29	31	2	6.7%	
70.4%	29	31	2	6.5%	
71.6%	29	30	2	5.7%	
72.8%	29	30	2	5.4%	
74.1%	28	30	2	5.2%	
75.3%	28	30	2	5.6%	
76.5%	28	30	2	5.7%	
77.8%	28	30	1	5.2%	
79.0%	28	30	1	4.9%	
80.2%	28	30	1	4.6%	
81.5%	28	29	1	4.1%	
82.7%	28	29	1	4.0%	
84.0%	28	29	1	3.8%	
85.2%	27	29	1	3.1%	
86.4%	28	29	1	3.0%	
87.7%	28	29	1	2.6%	
88.9%	28	29	1	2.6%	
90.1%	28	29	1	2.4%	
91.4%	28	29	1	2.5%	
92.6%	28	29	1	2.9%	
93.8%	27	28	1	3.9%	
95.1%	27	28	1	3.7%	
96.3%	27	28	1	4.0%	
97.5%	27	28	1	4.6%	
98.8%	27	28	1	5.3%	
100.0%	26	26	0	1.5%	

August					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	33	34	1	3.4%	
1.2%	33	33	1	2.7%	
2.5%	32	33	1	2.7%	
3.7%	32	33	1	2.5%	
4.9%	32	33	1	2.8%	
6.2%	32	33	1	2.3%	
7.4%	32	33	1	2.9%	
8.6%	32	32	1	2.2%	
9.9%	32	32	1	2.2%	
11.1%	31	32	0	1.0%	
12.3%	31	32	1	3.1%	
13.6%	30	32	1	3.7%	
14.8%	30	31	1	2.8%	
16.0%	30	31	1	2.3%	
17.3%	30	31	1	2.3%	
18.5%	30	31	1	2.1%	
19.8%	30	31	1	2.4%	
21.0%	30	31	1	2.4%	
22.2%	30	31	1	2.4%	
23.5%	30	31	1	2.4%	
24.7%	30	30	1	2.0%	
25.9%	30	30	1	2.5%	
27.2%	30	30	1	2.5%	
28.4%	30	30	1	2.4%	
29.6%	30	30	1	2.8%	
30.9%	29	30	1	2.5%	
32.1%	29	30	1	2.6%	
33.3%	29	30	1	2.5%	
34.6%	29	30	1	2.4%	
35.8%	29	30	1	2.8%	
37.0%	29	30	1	3.5%	
38.3%	29	30	1	3.4%	
39.5%	29	30	1	3.6%	
40.7%	29	30	1	3.8%	
42.0%	29	30	1	3.5%	
43.2%	29	30	1	3.4%	
44.4%	28	30	1	3.9%	
45.7%	28	30	1	4.3%	
46.9%	28	30	1	3.5%	
48.1%	28	29	1	3.5%	
49.4%	28	29	1	3.5%	
50.6%	28	29	1	3.5%	
51.9%	28	29	1	3.3%	
53.1%	28	29	1	3.1%	
54.3%	28	29	1	3.1%	
55.6%	28	29	1	3.0%	
56.8%	28	29	1	3.0%	
58.0%	28	29	1	2.8%	
59.3%	28	29	1	2.7%	
60.5%	28	29	1	2.6%	
61.7%	28	29	1	2.4%	
63.0%	28	29	1	2.2%	
64.2%	28	29	1	2.2%	
65.4%	28	29	1	2.0%	
66.7%	28	29	1	2.0%	
67.9%	28	29	0	1.8%	
69.1%	28	29	0	1.7%	
70.4%	28	28	0	1.5%	
71.6%	28	28	0	1.3%	
72.8%	28	28	0	0.9%	
74.1%	28	28	0	0.9%	
75.3%	28	28	0	0.7%	
76.5%	28	28	0	0.6%	
77.8%	28	28	0	0.5%	
79.0%	28	28	0	0.5%	
80.2%	28	28	0	0.7%	
81.5%	28	28	0	1.1%	
82.7%	28	28	1	2.3%	
84.0%	27	28	1	2.3%	
85.2%	27	28	1	2.3%	
86.4%	27	28	1	2.3%	
87.7%	27	28	1	2.3%	
88.9%	27	28	1	2.3%	
90.1%	27	28	1	2.7%	
91.4%	27	28	1	4.0%	
92.6%	27	28	1	4.7%	
93.8%	27	28	1	4.5%	
95.1%	27	28	1	3.5%	
96.3%	26	28	1	5.6%	
97.5%	26	27	1	5.5%	
98.8%	26	27	1	5.5%	
100.0%	26	27	2	5.8%	

September					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	38	38	0	0.0%	
1.2%	38	38	0	0.0%	
2.5%	38	38	0	0.0%	
3.7%	38	38	0	0.9%	
4.9%	37	38	1	1.9%	
6.2%	37	38	2	4.2%	
7.4%	36	38	2	4.7%	
8.6%	36	38	2	5.0%	
9.9%	36	38	2	5.0%	
11.1%	36	37	1	1.8%	
12.3%	36	37	1	1.8%	

Table SW-57-3a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	74	74	75	75	75	76	74	75	75	77	76	75
Alternative A	74	74	74	75	75	76	74	74	75	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference ²	-0.2%	0.0%	-0.2%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.2%	0.0%	0.1%	0.2%
Water Year Types²												
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative A	75	75	75	77	78	78	76	76	76	76	75	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	-0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.1%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative A	75	74	74	75	75	77	74	74	75	78	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	-0.6%	0.0%	0.0%	0.3%	0.0%	0.1%	0.4%	0.0%	-0.3%	0.2%
Below Normal (17%)												
No Action Alternative	74	74	74	74	74	74	73	73	74	77	76	74
Alternative A	74	74	74	73	74	74	73	73	75	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	0.0%	0.2%	-0.2%	0.3%	0.3%	0.0%	0.0%	0.5%	0.0%	-0.2%	0.2%
Dry (22%)												
No Action Alternative	74	73	74	73	74	74	73	74	75	77	76	74
Alternative A	74	74	74	73	74	74	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	0.0%	-0.3%	-0.1%	-0.1%	-0.2%	0.0%	-0.3%	-0.2%	0.0%	0.5%	0.3%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative A	73	73	73	73	73	73	73	74	74	76	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	-0.1%	0.0%	0.2%	-0.1%	0.1%	-0.2%	-0.2%	0.0%	0.1%	0.0%	0.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

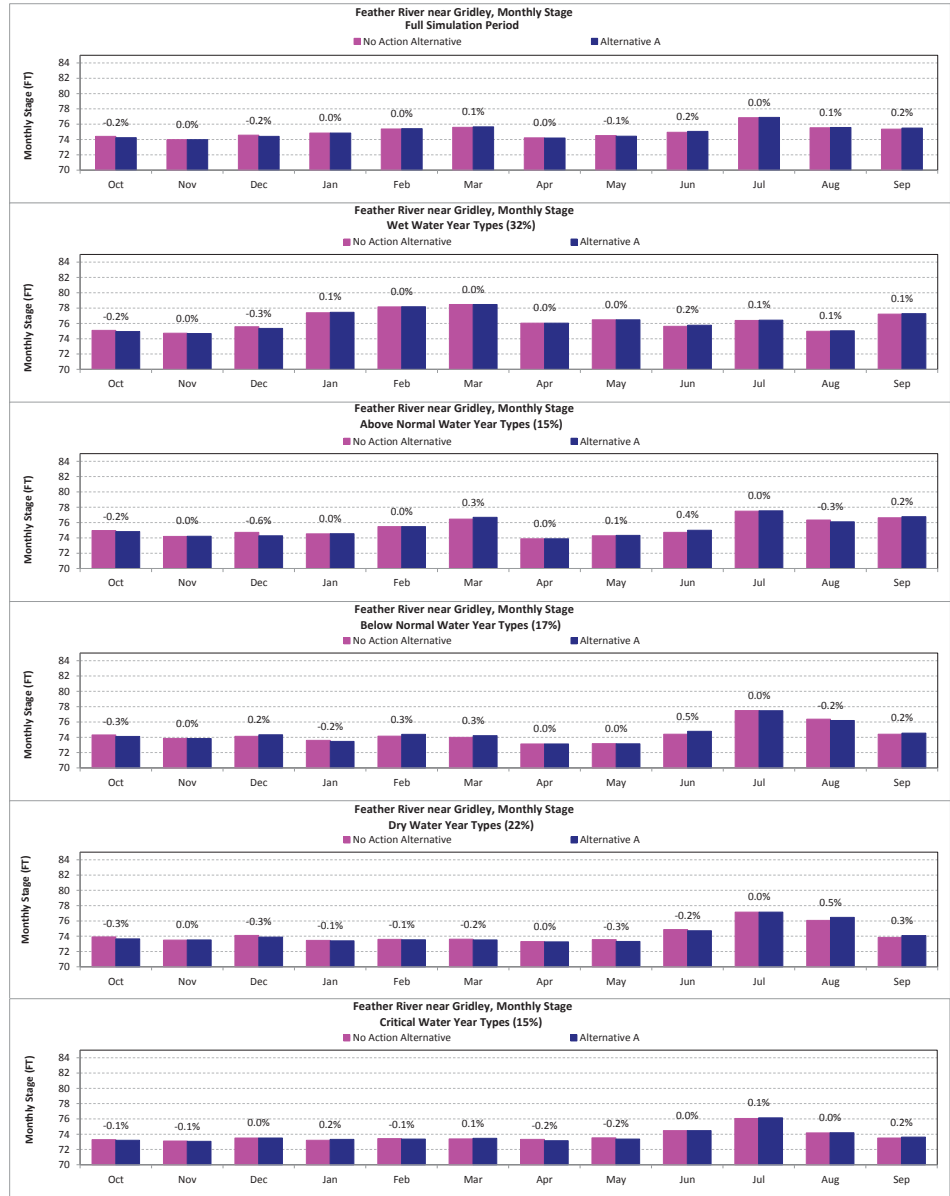


Figure SW-57-3b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

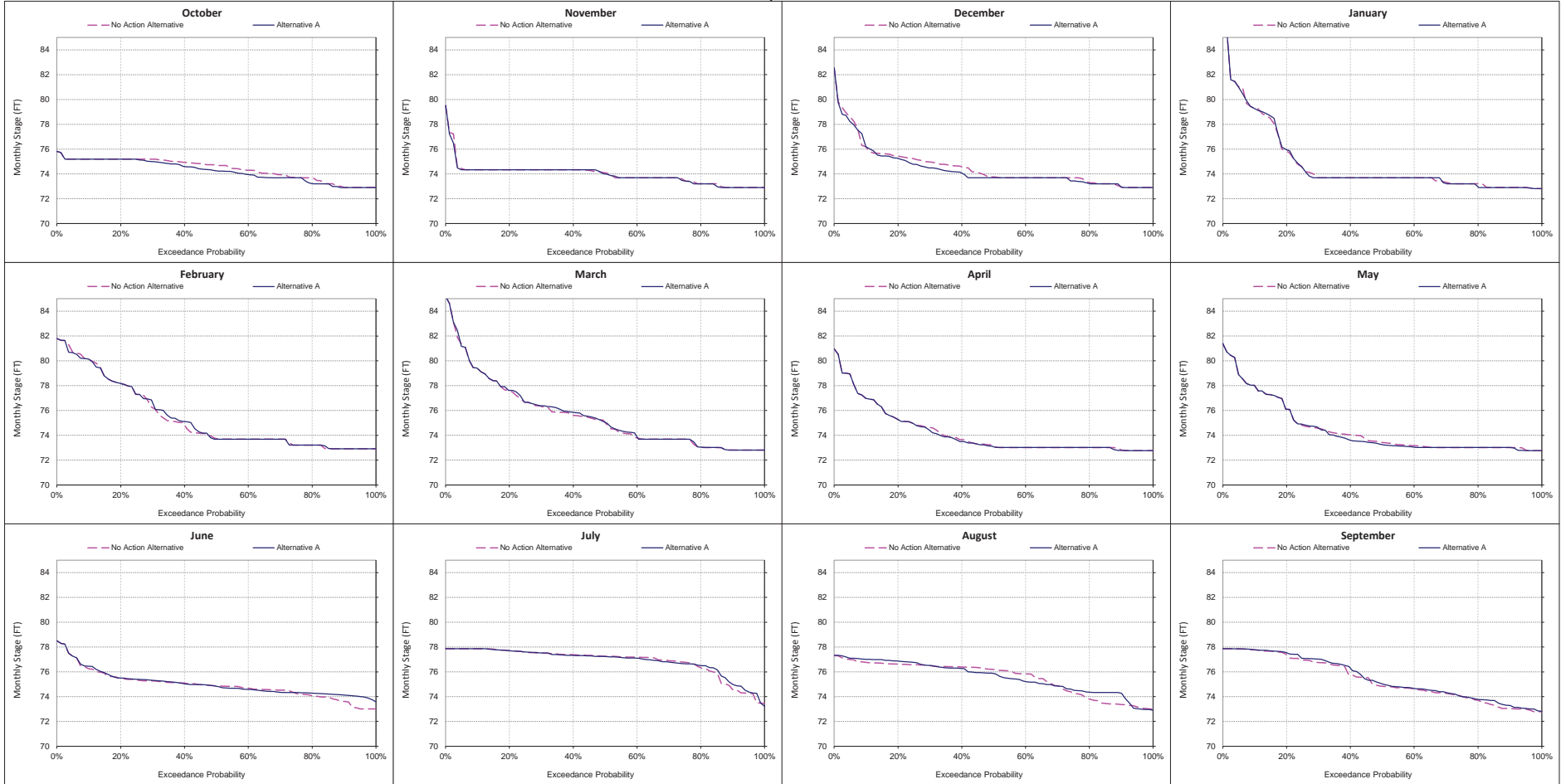


Table SW-57-3b
 Feather River near Gridley, Monthly Stage
 Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	76	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	-0.1%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	-0.2%
29.6%	75	75	0	-0.3%
30.9%	75	75	0	-0.3%
32.1%	75	75	0	-0.3%
33.3%	75	75	0	-0.3%
34.6%	75	75	0	-0.3%
35.8%	75	75	0	-0.3%
37.0%	75	75	0	-0.3%
38.3%	75	75	0	-0.3%
39.5%	75	75	0	-0.4%
40.7%	75	75	0	-0.5%
42.0%	75	75	0	-0.4%
43.2%	75	75	0	-0.4%
44.4%	75	74	0	0.6%
45.7%	75	74	0	-0.6%
46.9%	75	74	0	-0.5%
48.1%	75	74	0	-0.5%
49.4%	75	74	0	-0.6%
50.6%	75	74	0	-0.6%
51.9%	75	74	0	-0.6%
53.1%	75	74	0	-0.6%
54.3%	74	74	0	-0.3%
55.6%	74	74	0	-0.4%
56.8%	74	74	0	-0.5%
58.0%	74	74	0	-0.4%
59.3%	74	74	0	-0.5%
60.5%	74	74	0	-0.5%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.6%
64.2%	74	74	0	-0.4%
65.4%	74	74	0	-0.5%
66.7%	74	74	0	-0.5%
67.9%	74	74	0	-0.5%
69.1%	74	74	0	-0.3%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	73	0	-0.3%
79.0%	74	73	0	-0.6%
80.2%	73	73	0	-0.7%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	-0.3%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	-0.3%
87.7%	73	73	0	-0.1%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	-1	-0.1%
2.5%	77	77	-1	-0.3%
3.7%	74	74	0	0.0%
4.9%	74	74	0	-0.1%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.1%
45.7%	74	74	0	0.1%
46.9%	74	74	0	0.2%
48.1%	74	74	0	0.0%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	-0.1%
53.1%	74	74	0	0.2%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	73	0	-0.2%
75.3%	73	73	0	0.0%
76.5%	74	73	0	0.0%
77.8%	73	73	0	-0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.3%
86.4%	73	73	0	-0.1%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	-0.1%
2.5%	79	79	-1	-0.1%
3.7%	79	79	0	-0.2%
4.9%	79	78	0	-0.5%
6.2%	78	78	0	-0.4%
7.4%	78	78	0	-0.1%
8.6%	76	77	1	1.2%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.2%
13.6%	76	76	0	-0.2%
14.8%	76	75	0	-0.2%
16.0%	76	75	0	-0.2%
17.3%	76	75	0	-0.2%
18.5%	75	75	0	-0.2%
19.8%	75	75	0	-0.2%
21.0%	75	75	0	-0.3%
22.2%	75	75	0	-0.3%
23.5%	75	75	0	-0.5%
24.7%	75	75	0	-0.6%
25.9%	75	75	0	-0.5%
27.2%	75	75	0	-0.6%
28.4%	75	75	0	-0.6%
29.6%	75	74	0	-0.6%
30.9%	75	74	0	-0.6%
32.1%	75	74	0	-0.6%
33.3%	75	74	0	-0.6%
34.6%	75	74	0	-0.7%
35.8%	75	74	-1	-0.7%
37.0%	75	74	0	-0.6%
38.3%	75	74	0	-0.6%
39.5%	75	74	0	-0.6%
40.7%	74	74	-1	-0.7%
42.0%	74	74	-1	-1.1%
43.2%	74	74	0	-0.6%
44.4%	74	74	0	-0.6%
45.7%	74	74	0	-0.5%
46.9%	74	74	0	-0.3%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	73	0	-0.3%
75.3%	74	73	0	-0.3%
76.5%	74	73	0	-0.4%
77.8%	74	73	0	-0.3%
79.0%	73	73	0	-0.1%
80.2%	73	73	0	-0.1%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	86	86	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	0	0.0%
4.9%	81	81	0	0.0%
6.2%	81	81	0	-0.6%
7.4%	80	80	0	0.3%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	-0.2%
12.3%	79	79	0	0.2%
13.6%	79	79	0	0.2%
14.8%	78	79	0	0.3%
16.0%	78	78	0	0.6%
17.3%	77	77	0	0.0%
18.5%	76	76	0	0.2%
19.8%	76	76	0	0.1%
21.0%	76	76	0	0.2%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.1%
24.7%	75	75	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	-0.4%
28.4%	74	74	0	-0.4%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	

Table SW-57-3b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	82	82	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	-1	-0.7%
4.9%	81	81	0	-0.1%
6.2%	81	81	0	-0.1%
7.4%	81	80	0	-0.4%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	0.0%
12.3%	80	80	0	-0.4%
13.6%	80	79	0	-0.1%
14.8%	79	79	0	0.0%
16.0%	79	79	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	77	77	0	-0.3%
28.4%	77	77	0	0.1%
29.6%	76	77	1	0.7%
30.9%	76	76	0	0.0%
32.1%	76	76	0	0.5%
33.3%	75	76	1	0.8%
34.6%	75	76	0	0.6%
35.8%	75	75	0	0.4%
37.0%	75	75	0	0.3%
38.3%	75	75	0	0.2%
39.5%	75	75	0	0.1%
40.7%	75	75	1	0.8%
42.0%	74	75	1	1.1%
43.2%	74	75	1	0.4%
44.4%	74	74	0	0.2%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	-0.2%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	73	73	0	-0.2%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.3%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	83	83	0	0.0%
3.7%	82	82	1	0.7%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	0.0%
7.4%	80	80	0	0.0%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.3%
19.8%	78	78	0	0.0%
21.0%	77	78	0	0.2%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.3%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	77	77	0	0.1%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.2%
32.1%	76	76	0	0.1%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.5%
35.8%	76	76	0	0.3%
37.0%	76	76	0	0.2%
38.3%	76	76	0	0.1%
39.5%	76	76	0	0.3%
40.7%	76	76	0	0.3%
42.0%	76	76	0	0.3%
43.2%	76	76	0	0.1%
44.4%	75	76	0	0.1%
45.7%	75	75	0	0.1%
46.9%	75	75	0	0.1%
48.1%	75	75	0	0.0%
49.4%	75	75	0	-0.1%
50.6%	75	75	0	0.1%
51.9%	75	75	0	0.2%
53.1%	75	75	0	0.0%
54.3%	74	74	0	0.2%
55.6%	74	74	0	0.2%
56.8%	74	74	0	0.2%
58.0%	74	74	0	0.2%
59.3%	74	74	0	0.5%
60.5%	74	74	0	-0.1%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	73	73	0	0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.1%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	79	79	0	0.0%
3.7%	79	79	0	0.0%
4.9%	79	79	0	0.0%
6.2%	78	78	0	0.0%
7.4%	77	77	0	0.0%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	76	77	0	0.0%
14.8%	76	76	0	0.0%
16.0%	76	76	0	0.0%
17.3%	76	76	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	0.0%
29.6%	74	74	0	-0.2%
30.9%	75	74	0	-0.5%
32.1%	74	74	0	-0.4%
33.3%	74	74	0	-0.2%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	0.0%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	73	0	-0.2%
40.7%	74	73	0	-0.2%
42.0%	73	73	0	-0.1%
43.2%	73	73	0	0.0%
44.4%	73	73	0	0.1%
45.7%	73	73	0	-0.1%
46.9%	73	73	0	-0.1%
48.1%	73	73	0	-0.1%
49.4%	73	73	0	-0.1%
50.6%	73	73	0	-0.1%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.2%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.5%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	-0.2%
88.9%	73	73	0	-0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	80	80	0	0.0%
3.7%	80	80	0	0.0%
4.9%	79	79	0	0.0%
6.2%	79	79	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.0%
16.0%	77	77	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	0.1%
30.9%	75	74	0	-0.1%
32.1%	74	74	0	0.0%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.2%
35.8%	74	74	0	-0.3%
37.0%	74	74	0	-0.3%
38.3%	74	74	0	-0.4%
39.5%	74	74	0	-0.5%
40.7%	74	74	0	-0.6%
42.0%	74	74	0	-0.6%
43.2%	74	74	0	-0.

Table SW-57-3b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

June					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	78	79	0	0.0%	
1.2%	78	78	0	0.0%	
2.5%	78	78	0	0.0%	
3.7%	77	77	0	0.0%	
4.9%	77	77	0	0.0%	
6.2%	77	77	0	0.0%	
7.4%	76	77	0	0.2%	
8.6%	76	76	0	0.1%	
9.9%	76	76	0	0.3%	
11.1%	76	76	0	0.3%	
12.3%	76	76	0	0.3%	
13.6%	76	76	0	0.1%	
14.8%	76	76	0	0.1%	
16.0%	76	76	0	0.2%	
17.3%	76	76	0	0.0%	
18.5%	76	76	0	-0.1%	
19.8%	75	76	0	0.1%	
21.0%	75	75	0	0.1%	
22.2%	75	75	0	0.1%	
23.5%	75	75	0	0.1%	
24.7%	75	75	0	0.1%	
25.9%	75	75	0	0.1%	
27.2%	75	75	0	0.1%	
28.4%	75	75	0	0.1%	
29.6%	75	75	0	0.1%	
30.9%	75	75	0	0.1%	
32.1%	75	75	0	0.1%	
33.3%	75	75	0	0.1%	
34.6%	75	75	0	0.1%	
35.8%	75	75	0	0.1%	
37.0%	75	75	0	0.0%	
38.3%	75	75	0	0.0%	
39.5%	75	75	0	-0.1%	
40.7%	75	75	0	-0.1%	
42.0%	75	75	0	-0.1%	
43.2%	75	75	0	-0.1%	
44.4%	75	75	0	0.0%	
45.7%	75	75	0	0.0%	
46.9%	75	75	0	0.0%	
48.1%	75	75	0	0.0%	
49.4%	75	75	0	0.0%	
50.6%	75	75	0	-0.1%	
51.9%	75	75	0	-0.2%	
53.1%	75	75	0	-0.2%	
54.3%	75	75	0	-0.2%	
55.6%	75	75	0	-0.2%	
56.8%	75	75	0	-0.2%	
58.0%	75	75	0	-0.2%	
59.3%	75	75	0	-0.1%	
60.5%	75	75	0	-0.1%	
61.7%	75	75	0	0.0%	
63.0%	75	75	0	-0.1%	
64.2%	75	74	0	-0.1%	
65.4%	75	74	0	-0.2%	
66.7%	75	74	0	-0.2%	
67.9%	75	74	0	-0.2%	
69.1%	75	74	0	-0.2%	
70.4%	75	74	0	-0.2%	
71.6%	75	74	0	-0.2%	
72.8%	74	74	0	-0.2%	
74.1%	74	74	0	0.0%	
75.3%	74	74	0	0.1%	
76.5%	74	74	0	0.2%	
77.8%	74	74	0	0.2%	
79.0%	74	74	0	0.2%	
80.2%	74	74	0	0.3%	
81.5%	74	74	0	0.3%	
82.7%	74	74	0	0.3%	
84.0%	74	74	0	0.3%	
85.2%	74	74	0	0.4%	
86.4%	74	74	0	0.5%	
87.7%	74	74	0	0.6%	
88.9%	74	74	1	0.7%	
90.1%	74	74	1	0.7%	
91.4%	74	74	1	0.7%	
92.6%	73	74	1	1.2%	
93.8%	73	74	1	1.3%	
95.1%	73	74	1	1.3%	
96.3%	73	74	1	1.3%	
97.5%	73	74	1	1.2%	
98.8%	73	74	1	1.0%	
100.0%	73	74	1	0.8%	

July					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	78	78	0	0.0%	
1.2%	78	78	0	0.0%	
2.5%	78	78	0	0.0%	
3.7%	78	78	0	0.0%	
4.9%	78	78	0	0.0%	
6.2%	78	78	0	0.0%	
7.4%	78	78	0	0.0%	
8.6%	78	78	0	0.0%	
9.9%	78	78	0	0.0%	
11.1%	78	78	0	0.0%	
12.3%	78	78	0	0.0%	
13.6%	78	78	0	0.0%	
14.8%	78	78	0	-0.1%	
16.0%	78	78	0	0.0%	
17.3%	78	78	0	0.0%	
18.5%	78	78	0	0.0%	
19.8%	78	78	0	0.0%	
21.0%	78	78	0	0.0%	
22.2%	78	78	0	0.0%	
23.5%	78	78	0	0.0%	
24.7%	78	78	0	0.0%	
25.9%	78	78	0	0.0%	
27.2%	78	78	0	0.1%	
28.4%	78	78	0	0.1%	
29.6%	78	78	0	0.0%	
30.9%	78	78	0	0.0%	
32.1%	78	78	0	0.0%	
33.3%	77	77	0	-0.1%	
34.6%	77	77	0	-0.1%	
35.8%	77	77	0	0.0%	
37.0%	77	77	0	-0.1%	
38.3%	77	77	0	-0.1%	
39.5%	77	77	0	-0.1%	
40.7%	77	77	0	-0.1%	
42.0%	77	77	0	-0.1%	
43.2%	77	77	0	-0.1%	
44.4%	77	77	0	0.0%	
45.7%	77	77	0	0.0%	
46.9%	77	77	0	-0.1%	
48.1%	77	77	0	0.0%	
49.4%	77	77	0	0.0%	
50.6%	77	77	0	0.0%	
51.9%	77	77	0	-0.1%	
53.1%	77	77	0	-0.1%	
54.3%	77	77	0	-0.1%	
55.6%	77	77	0	-0.1%	
56.8%	77	77	0	-0.1%	
58.0%	77	77	0	-0.1%	
59.3%	77	77	0	-0.1%	
60.5%	77	77	0	-0.1%	
61.7%	77	77	0	-0.2%	
63.0%	77	77	0	-0.2%	
64.2%	77	77	0	-0.2%	
65.4%	77	77	0	-0.3%	
66.7%	77	77	0	-0.1%	
67.9%	77	77	0	-0.2%	
69.1%	77	77	0	-0.2%	
70.4%	77	77	0	-0.1%	
71.6%	77	77	0	-0.2%	
72.8%	77	77	0	-0.1%	
74.1%	77	77	0	-0.2%	
75.3%	77	77	0	-0.1%	
76.5%	77	77	0	-0.1%	
77.8%	77	77	0	-0.1%	
79.0%	76	77	0	0.1%	
80.2%	76	76	0	0.3%	
81.5%	76	76	0	0.3%	
82.7%	76	76	0	0.4%	
84.0%	76	76	0	0.4%	
85.2%	76	76	0	0.3%	
86.4%	76	76	1	0.8%	
87.7%	75	76	0	0.7%	
88.9%	75	75	0	0.4%	
90.1%	75	75	0	0.6%	
91.4%	75	75	0	0.5%	
92.6%	74	75	1	0.7%	
93.8%	74	75	0	0.3%	
95.1%	74	74	0	0.1%	
96.3%	74	74	0	0.1%	
97.5%	74	74	1	1.1%	
98.8%	73	73	0	0.0%	
100.0%	73	73	0	-0.3%	

August					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	77	77	0	0.0%	
1.2%	77	77	0	0.0%	
2.5%	77	77	0	0.2%	
3.7%	77	77	0	0.2%	
4.9%	77	77	0	0.1%	
6.2%	77	77	0	0.2%	
7.4%	77	77	0	0.3%	
8.6%	77	77	0	0.3%	
9.9%	77	77	0	0.3%	
11.1%	77	77	0	0.3%	
12.3%	77	77	0	0.4%	
13.6%	77	77	0	0.4%	
14.8%	77	77	0	0.4%	
16.0%	77	77	0	0.3%	
17.3%	77	77	0	0.4%	
18.5%	77	77	0	0.3%	
19.8%	77	77	0	0.3%	
21.0%	77	77	0	0.3%	
22.2%	77	77	0	0.3%	
23.5%	77	77	0	0.3%	
24.7%	77	77	0	0.3%	
25.9%	77	77	0	0.2%	
27.2%	77	77	0	0.1%	
28.4%	77	77	0	0.0%	
29.6%	77	77	0	0.0%	
30.9%	76	76	0	0.0%	
32.1%	76	76	0	0.0%	
33.3%	76	76	0	-0.1%	
34.6%	76	76	0	-0.1%	
35.8%	76	76	0	-0.1%	
37.0%	76	76	0	-0.1%	
38.3%	76	76	0	-0.1%	
39.5%	76	76	0	-0.1%	
40.7%	76	76	0	-0.2%	
42.0%	76	76	0	-0.5%	
43.2%	76	76	0	-0.5%	
44.4%	76	76	0	-0.5%	
45.7%	76	76	0	-0.5%	
46.9%	76	76	0	-0.5%	
48.1%	76	76	0	-0.4%	
49.4%	76	76	0	-0.4%	
50.6%	76	76	0	-0.5%	
51.9%	76	76	0	-0.6%	
53.1%	76	76	-1	-0.8%	
54.3%	76	75	-1	-0.8%	
55.6%	76	75	-1	-0.8%	
56.8%	76	75	0	-0.6%	
58.0%	76	75	0	-0.6%	
59.3%	76	75	-1	-0.8%	
60.5%	76	75	-1	-0.8%	
61.7%	76	75	-1	-0.8%	
63.0%	76	75	0	-0.5%	
64.2%	75	75	0	-0.5%	
65.4%	75	75	0	-0.5%	
66.7%	75	75	0	-0.3%	
67.9%	75	75	0	-0.1%	
69.1%	75	75	0	0.0%	
70.4%	75	75	0	0.0%	
71.6%	75	75	0	0.2%	
72.8%	74	75	0	0.2%	
74.1%	74	75	0	0.3%	
75.3%	74	75	0	0.3%	
76.5%	74	74	0	0.4%	
77.8%	74	74	0	0.4%	
79.0%	74	74	0	0.7%	
80.2%	74	74	1	0.8%	
81.5%	74	74	1	0.9%	
82.7%	74	74	1	0.9%	
84.0%	73	74	1	1.2%	
85.2%	73	74	1	1.2%	
86.4%	73	74	1	1.3%	
87.7%	73	74	1	1.3%	
88.9%	73	74	1	1.3%	
90.1%	73	74	1	1.2%	
91.4%	73	74	0	0.6%	
92.6%	73	73	0	0.2%	
93.8%	73	73	0	-0.3%	
95.1%	73	73	0	-0.2%	
96.3%	73	73	0	-0.1%	
97.5%	73	73	0	-0.1%	
98.8%	73	73	0	-0.1%	
100.0%	73	73	0	-0.1%	

September					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	78	78	0	0.0%	
1.2%	78	78	0	0.0%	
2.5%	78	78	0	0.2%	
3.7%	78	78	0	0.0%	
4.9%	78	78	0	0.0%	
6.2%	78	78	0	0.0%	
7.4%	78	78	0	0.0%	
8.6%	78	78	0	0.1%	
9.9%	78	78	0	0.3%	
11.1%	78	78	0	0.0%	
12.3%	78	78	0	0.1%	</

Table SW-58-3a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹	5	5	6	6	7	6	6	6	6	6	5	5
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative A	5	5	6	6	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference ²	1.2%	0.0%	1.0%	0.4%	0.1%	0.5%	0.4%	0.5%	-0.4%	-4.3%	2.1%	0.5%
Water Year Types²												
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative A	5	6	6	9	9	7	7	7	7	6	6	7
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.9%	-0.1%	0.9%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	-3.0%	1.9%	-2.4%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative A	5	6	6	6	8	7	6	6	6	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	-0.4%	1.8%	2.0%	0.5%	0.3%	0.0%	0.0%	-1.1%	-4.9%	2.6%	-0.5%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative A	5	6	6	5	6	5	6	6	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	2.0%	2.2%	0.6%	1.1%	-0.8%	-0.2%	1.9%	1.2%	-0.3%	-11.6%	3.9%	7.7%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative A	4	5	6	5	5	5	5	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	1.9%	-1.6%	0.9%	1.8%	-1.4%	0.9%	0.2%	-3.4%	-1.7%	1.3%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative A	4	4	4	4	4	4	4	4	4	5	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.4%	-2.9%	-0.9%	0.1%	0.1%	1.6%	3.3%	1.0%	-2.0%	3.9%	7.0%	0.5%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

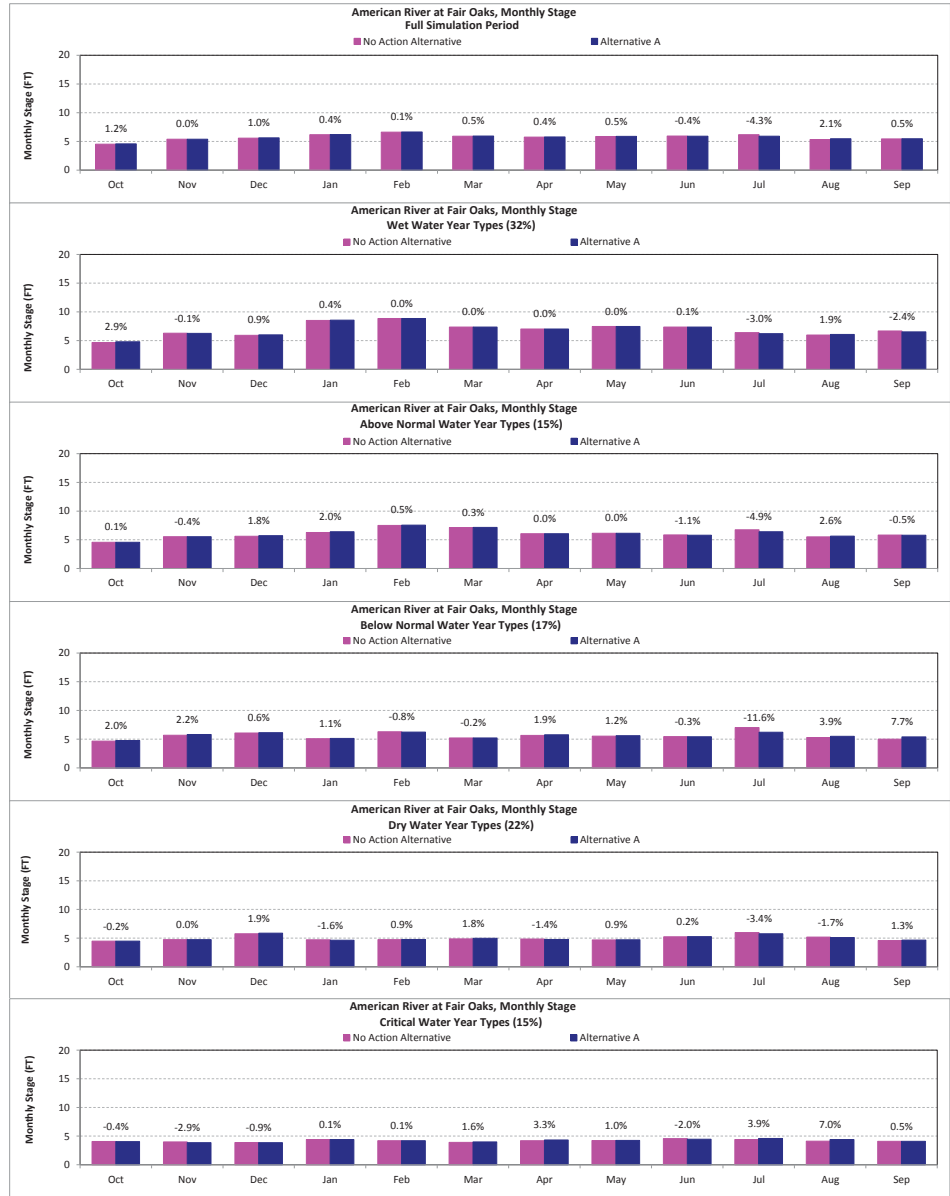


Figure SW-58-3b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

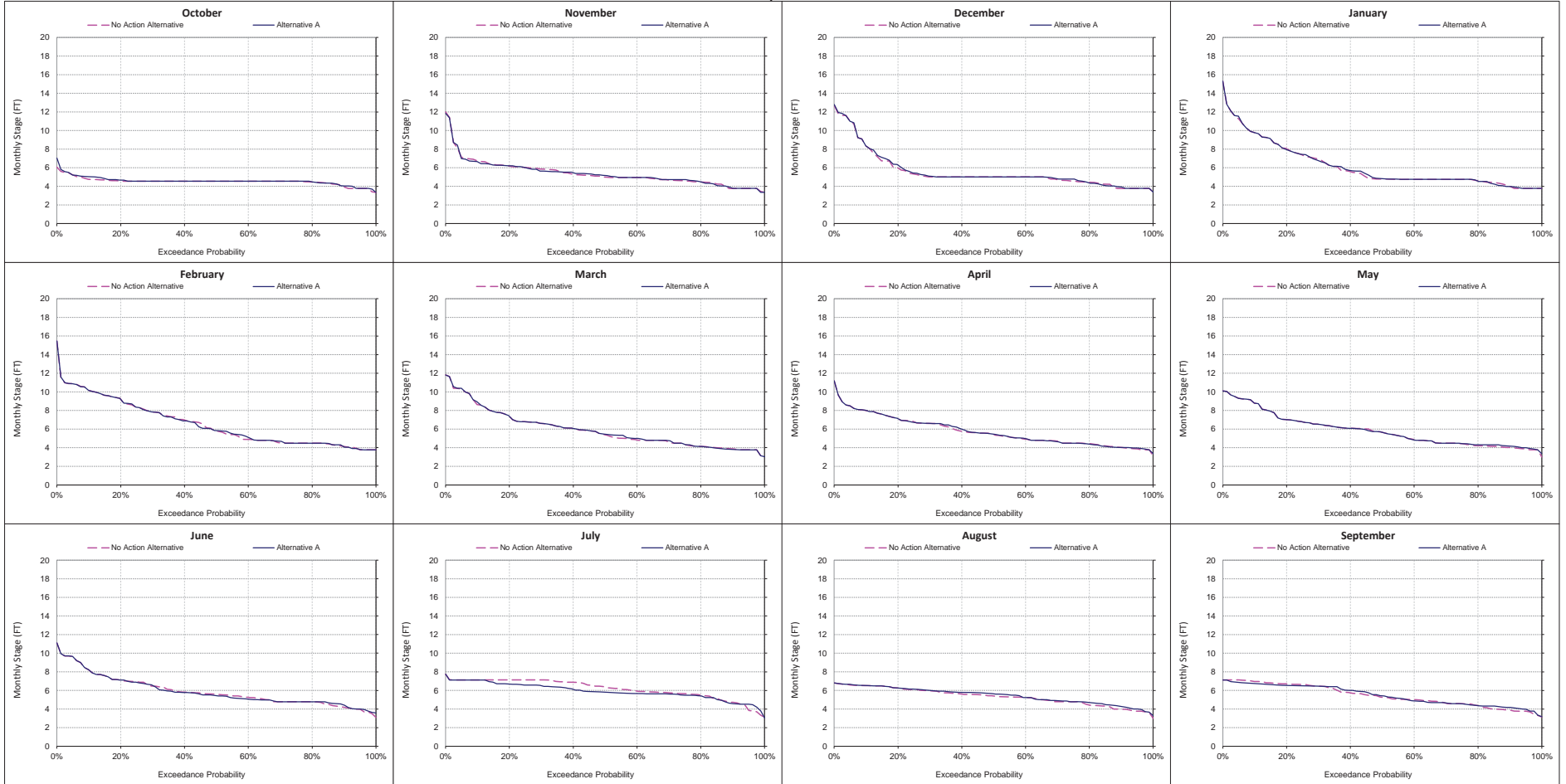


Table SW-58-3b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	7	1	16.3%
1.2%	6	7	0	3.5%
2.5%	5	6	0	1.5%
3.7%	5	5	0	1.1%
4.9%	5	5	0	-0.4%
6.2%	5	5	0	2.7%
7.4%	5	5	0	1.7%
8.6%	5	5	0	4.1%
9.9%	5	5	0	6.2%
11.1%	5	5	0	6.1%
12.3%	5	5	0	6.1%
13.6%	5	5	0	5.3%
14.8%	5	5	0	3.4%
16.0%	5	5	0	1.9%
17.3%	5	5	0	2.2%
18.5%	5	5	0	2.1%
19.8%	5	5	0	2.1%
21.0%	5	5	0	2.5%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	4	5	0	1.3%
79.0%	4	5	0	1.6%
80.2%	4	4	0	0.0%
81.5%	4	4	0	-0.7%
82.7%	4	4	0	-1.2%
84.0%	4	4	0	-0.4%
85.2%	4	4	0	-0.4%
86.4%	4	4	0	1.7%
87.7%	4	4	0	0.7%
88.9%	4	4	0	-2.3%
90.1%	4	4	0	3.2%
91.4%	4	4	0	7.2%
92.6%	4	4	0	6.3%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	0.6%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	-1.3%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	3.7%
4.9%	7	7	0	-2.1%
6.2%	7	7	0	-1.3%
7.4%	7	7	0	-3.6%
8.6%	7	7	0	-2.9%
9.9%	7	7	0	-1.4%
11.1%	7	6	0	-3.5%
12.3%	7	6	0	-3.2%
13.6%	6	6	0	-0.5%
14.8%	6	6	0	-1.2%
16.0%	6	6	0	-0.2%
17.3%	6	6	0	-0.4%
18.5%	6	6	0	-0.4%
19.8%	6	6	0	0.4%
21.0%	6	6	0	1.6%
22.2%	6	6	0	0.4%
23.5%	6	6	0	0.5%
24.7%	6	6	0	-0.1%
25.9%	6	6	0	-1.3%
27.2%	6	6	0	-1.6%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	-4.0%
30.9%	6	6	0	-3.8%
32.1%	6	6	0	-3.4%
33.3%	6	6	0	-3.5%
34.6%	6	6	0	-3.0%
35.8%	6	6	0	-0.4%
37.0%	5	6	1	1.3%
38.3%	5	6	0	1.4%
39.5%	5	6	0	3.5%
40.7%	5	5	0	2.9%
42.0%	5	5	0	3.0%
43.2%	5	5	0	3.4%
44.4%	5	5	0	3.2%
45.7%	5	5	0	3.1%
46.9%	5	5	0	2.5%
48.1%	5	5	0	2.5%
49.4%	5	5	0	3.8%
50.6%	5	5	0	3.6%
51.9%	5	5	0	2.7%
53.1%	5	5	0	1.7%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	2.1%
65.4%	5	5	0	1.5%
66.7%	5	5	0	1.9%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	1.7%
71.6%	5	5	0	1.8%
72.8%	5	5	0	2.2%
74.1%	5	5	0	2.4%
75.3%	5	5	0	3.3%
76.5%	5	5	0	1.5%
77.8%	4	5	0	2.3%
79.0%	4	5	0	1.7%
80.2%	4	4	0	0.0%
81.5%	4	4	0	-2.7%
82.7%	4	4	0	-2.4%
84.0%	4	4	0	-1.6%
85.2%	4	4	0	-4.2%
86.4%	4	4	0	-4.5%
87.7%	4	4	0	1.1%
88.9%	4	4	0	4.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	-2.6%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.9%
1.2%	12	12	0	0.9%
2.5%	12	12	0	2.0%
3.7%	12	12	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	1.3%
7.4%	9	9	0	0.0%
8.6%	9	9	0	-0.1%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	4.7%
13.6%	7	7	0	2.0%
14.8%	7	7	0	5.5%
16.0%	7	7	0	3.6%
17.3%	7	7	0	1.2%
18.5%	6	6	0	5.5%
19.8%	6	6	0	5.2%
21.0%	6	6	0	5.1%
22.2%	6	6	0	1.1%
23.5%	6	6	0	3.8%
24.7%	5	5	0	1.7%
25.9%	5	5	0	2.8%
27.2%	5	5	0	2.5%
28.4%	5	5	0	2.3%
29.6%	5	5	0	1.5%
30.9%	5	5	0	1.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	1.6%
67.9%	5	5	0	3.3%
69.1%	5	5	0	1.7%
70.4%	5	5	0	2.3%
71.6%	5	5	0	3.1%
72.8%	5	5	0	3.4%
74.1%	5	5	0	4.5%
75.3%	5	5	0	4.9%
76.5%	4	5	0	2.7%
77.8%	4	5	0	1.7%
79.0%	4	4	0	0.0%
80.2%	4	4	0	-2.7%
81.5%	4	4	0	-2.4%
82.7%	4	4	0	-1.6%
84.0%	4	4	0	-1.9%
85.2%	4	4	0	-4.3%
86.4%	4	4	0	-4.3%
87.7%	4	4	0	4.2%
88.9%	4	4	0	5.0%
90.1%	4	4	0	4.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	12	12	0	2.0%
3.7%	12	12	0	0.3%
4.9%	11	12	0	2.6%
6.2%	11	11	0	0.0%
7.4%	10	10	0	0.0%
8.6%	10	10	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	9	9	0	0.0%
13.6%	9	9	0	0.0%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	8	8	0	0.5%
19.8%	8	8	0	-1.2%
21.0%	8	8	0	0.0%
22.2%	8	8	0	0.0%
23.5%	8	8	0	0.0%
24.7%	7	7	0	0.2%
25.9%	7	7	0	3.3%
27.2%	7	7	0	0.5%
28.4%	7	7	0	-1.5%
29.6%	7	7	0	-2.2%
30.9%	7	7	0	-2.3%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	0.5%
34.6%	6	6	0	0.2%
35.8%	6	6	0	0.4%
37.0%	6	6	0	7.1%
38.3%	6	6	0	2.2%
39.5%	6	6	0	1.6%
40.7%	5	6	0	3.1%
42.0%	5	6	0	3.2%
43.2%	5	6	0	4.6%
44.4%	5	5	0	5.8%
45.7%	5	5	0	7.4%
46.9%	5	5	0	2.6%
48.1%	5	5	0	1.8%
49.4%	5	5	0	1.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.5%
54.3%	5	5	0	1.1%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%

Table SW-58-3b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	12	12	0	0.0%
2.5%	11	11	0	0.0%
3.7%	11	11	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-0.2%
7.4%	11	11	0	-0.3%
8.6%	11	11	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	9	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.4%
22.2%	9	9	0	0.6%
23.5%	9	9	0	0.9%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	-1.0%
28.4%	8	8	0	0.0%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	7	7	0	-0.6%
34.6%	7	7	0	-1.3%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-2.7%
38.3%	7	7	0	0.0%
39.5%	7	7	0	-2.1%
40.7%	7	7	0	0.0%
42.0%	7	7	0	-0.5%
43.2%	7	7	0	-1.0%
44.4%	7	6	0	-6.9%
45.7%	7	6	0	-7.0%
46.9%	6	6	0	-0.9%
48.1%	6	6	0	-0.5%
49.4%	6	6	0	0.4%
50.6%	6	6	0	1.2%
51.9%	6	6	0	2.1%
53.1%	5	5	0	5.3%
54.3%	5	6	0	2.9%
55.6%	5	5	0	0.8%
56.8%	5	5	0	3.4%
58.0%	5	5	0	0.4%
59.3%	5	5	0	7.0%
60.5%	5	5	0	2.4%
61.7%	5	5	0	-0.4%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	3.1%
70.4%	4	5	0	3.9%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	0.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	1.3%
85.2%	4	4	0	0.7%
86.4%	4	4	0	0.0%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	-1.7%
91.4%	4	4	0	-0.3%
92.6%	4	4	0	-3.2%
93.8%	4	4	0	-0.4%
95.1%	4	4	0	0.7%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	12	12	0	0.0%
2.5%	10	11	0	1.7%
3.7%	10	10	0	0.1%
4.9%	10	10	0	0.7%
6.2%	10	10	0	0.0%
7.4%	10	10	0	0.0%
8.6%	9	9	0	0.0%
9.9%	8	9	0	3.5%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	8	8	0	0.0%
18.5%	8	8	0	0.0%
19.8%	7	7	0	-0.1%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	-0.1%
27.2%	7	7	0	-0.2%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	-0.2%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.0%
40.7%	6	6	0	0.0%
42.0%	6	6	0	0.8%
43.2%	6	6	0	0.1%
44.4%	6	6	0	0.9%
45.7%	6	6	0	0.1%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.0%
49.4%	5	5	0	1.0%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.7%
53.1%	5	5	0	5.6%
54.3%	5	5	0	6.2%
55.6%	5	5	0	6.3%
56.8%	5	5	0	1.9%
58.0%	5	5	0	2.4%
59.3%	5	5	0	2.5%
60.5%	5	5	0	4.1%
61.7%	5	5	0	2.3%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.2%
69.1%	5	5	0	1.1%
70.4%	5	5	0	5.1%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	-0.5%
75.3%	4	4	0	0.0%
76.5%	4	4	0	2.3%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.1%
81.5%	4	4	0	-1.2%
82.7%	4	4	0	-0.3%
84.0%	4	4	0	-0.7%
85.2%	4	4	0	-1.2%
86.4%	4	4	0	-1.2%
87.7%	4	4	0	-1.8%
88.9%	4	4	0	-1.7%
90.1%	4	4	0	-2.2%
91.4%	4	4	0	-0.7%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	9	9	0	0.0%
3.7%	9	9	0	0.0%
4.9%	9	9	0	0.0%
6.2%	8	8	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.2%
22.2%	7	7	0	-0.3%
23.5%	7	7	0	-1.1%
24.7%	7	7	0	-1.4%
25.9%	7	7	0	0.7%
27.2%	7	7	0	0.0%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.2%
33.3%	6	7	0	2.0%
34.6%	6	6	0	2.3%
35.8%	6	6	0	3.5%
37.0%	6	6	0	3.9%
38.3%	6	6	0	5.6%
39.5%	6	6	0	4.4%
40.7%	6	6	0	2.9%
42.0%	6	6	0	1.5%
43.2%	6	6	0	0.4%
44.4%	6	6	0	0.1%
45.7%	6	6	0	-0.2%
46.9%	6	6	0	-0.1%
48.1%	6	6	0	-0.7%
49.4%	5	5	0	0.0%
50.6%	5	5	0	1.5%
51.9%	5	5	0	0.3%
53.1%	5	5	0	1.5%
54.3%	5	5	0	0.7%
55.6%	5	5	0	0.0%
56.8%	5	5	0	-0.5%
58.0%	5	5	0	-0.1%
59.3%	5	5	0	1.7%
60.5%	5	5	0	0.9%
61.7%	5	5	0	0.1%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-0.6%
67.9%	5	5	0	-0.6%
69.1%	5	5	0	-1.2%
70.4%	5	5	0	-1.2%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	-1.1%
79.0%	4	4	0	-0.2%
80.2%	4	4	0	-1.6%
81.5%	4	4	0	-1.2%
82.7%	4	4	0	-0.9%
84.0%	4	4	0	-0.9%
85.2%	4	4	0	-1.2%
86.4%	4	4	0	-1.2%
87.7%	4	4	0	-1.4%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	0.0%
91.4%	4	4	0	1.3%
92.6%	4	4	0	1.6%
93.8%	4	4	0	2.4%
95.1%	4	4	0	2.5%
96.3%	4	4	0	3.9%
97.5%	4	4	0	1.9%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.3%

May				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	9	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	9	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	0.0%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	7	7	0	-0.2%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	0.0%
27.2%	7	7	0	-0.1%
28.4%	7	7	0	-0.3%
29.6%	7	7	0	0.0%
30.9%	6	6	0	0.0%
32.1%	6	6	0	0.0%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	-0.3%
40.7%	6	6	0	-0.2%
42.0%	6	6	0	-0.1%
43.2%	6	6	0	-0.8%
44.4%	6	6	0	-0.6%
45.7%	6	6	0	-3.1%
46.9%	6	6	0	-1.3%
48.1%	6	6	0	-0.2%
49.4%	6	6	0	-0.1%
50.6%	6	6	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	-0.2%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	-0.1%
58.0%	5	5	0	0.0%
59.3%	5	5		

Table SW-58-3b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

June					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	11	11	0	0.0%	
1.2%	10	10	0	0.0%	
2.5%	10	10	0	0.0%	
3.7%	10	10	0	0.0%	
4.9%	10	10	0	0.0%	
6.2%	9	9	0	0.0%	
7.4%	9	9	0	0.0%	
8.6%	8	8	0	0.0%	
9.9%	8	8	0	0.0%	
11.1%	8	8	0	0.0%	
12.3%	8	8	0	0.0%	
13.6%	8	8	0	0.0%	
14.8%	8	8	0	0.0%	
16.0%	7	7	0	0.0%	
17.3%	7	7	0	-0.1%	
18.5%	7	7	0	-0.1%	
19.8%	7	7	0	0.0%	
21.0%	7	7	0	1.5%	
22.2%	7	7	0	-0.4%	
23.5%	7	7	0	-1.2%	
24.7%	7	7	0	-1.2%	
25.9%	7	7	0	-1.1%	
27.2%	7	7	0	-1.9%	
28.4%	7	7	0	1.1%	
29.6%	6	6	0	-1.9%	
30.9%	6	6	0	-1.2%	
32.1%	6	6	0	-4.8%	
33.3%	6	6	0	-5.6%	
34.6%	6	6	0	-3.0%	
35.8%	6	6	0	-2.6%	
37.0%	6	6	0	-2.2%	
38.3%	6	6	0	-1.0%	
39.5%	6	6	0	-0.5%	
40.7%	6	6	0	-0.4%	
42.0%	6	6	0	-0.7%	
43.2%	6	6	0	-0.4%	
44.4%	6	6	0	-2.0%	
45.7%	6	6	0	-2.7%	
46.9%	6	6	0	-2.2%	
48.1%	6	6	0	-2.1%	
49.4%	6	5	0	-2.7%	
50.6%	6	5	0	-2.7%	
51.9%	6	5	0	-2.5%	
53.1%	6	5	0	-2.6%	
54.3%	5	5	0	-4.0%	
55.6%	5	5	0	-4.3%	
56.8%	5	5	0	-4.7%	
58.0%	5	5	0	-3.9%	
59.3%	5	5	0	-3.4%	
60.5%	5	5	0	-3.7%	
61.7%	5	5	0	-3.8%	
63.0%	5	5	0	-2.7%	
64.2%	5	5	0	-2.3%	
65.4%	5	5	0	-0.8%	
66.7%	5	5	0	-0.3%	
67.9%	5	5	0	1.4%	
69.1%	5	5	0	0.0%	
70.4%	5	5	0	0.0%	
71.6%	5	5	0	0.0%	
72.8%	5	5	0	0.0%	
74.1%	5	5	0	0.0%	
75.3%	5	5	0	0.0%	
76.5%	5	5	0	0.0%	
77.8%	5	5	0	0.0%	
79.0%	5	5	0	0.0%	
80.2%	5	5	0	0.4%	
81.5%	5	5	0	0.5%	
82.7%	5	5	0	1.5%	
84.0%	5	5	0	5.6%	
85.2%	5	5	0	3.7%	
86.4%	4	5	0	5.6%	
87.7%	4	5	0	6.6%	
88.9%	4	5	0	6.7%	
90.1%	4	4	0	5.0%	
91.4%	4	4	0	1.1%	
92.6%	4	4	0	-0.9%	
93.8%	4	4	0	0.7%	
95.1%	4	4	0	0.5%	
96.3%	4	4	0	7.1%	
97.5%	4	4	0	2.4%	
98.8%	3	4	0	0.6%	
100.0%	3	4	0	15.4%	

July					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	8	8	0	0.0%	
1.2%	7	7	0	-0.3%	
2.5%	7	7	0	0.0%	
3.7%	7	7	0	0.0%	
4.9%	7	7	0	0.0%	
6.2%	7	7	0	0.0%	
7.4%	7	7	0	0.0%	
8.6%	7	7	0	0.0%	
9.9%	7	7	0	0.0%	
11.1%	7	7	0	0.0%	
12.3%	7	7	0	0.0%	
13.6%	7	7	0	-2.5%	
14.8%	7	7	0	-3.5%	
16.0%	7	7	0	-5.7%	
17.3%	7	7	0	-5.9%	
18.5%	7	7	0	-5.9%	
19.8%	7	7	0	-6.1%	
21.0%	7	7	0	-6.6%	
22.2%	7	7	0	-6.6%	
23.5%	7	7	0	-6.8%	
24.7%	7	7	-1	-7.7%	
25.9%	7	7	-1	-7.8%	
27.2%	7	7	-1	-7.9%	
28.4%	7	7	-1	-7.9%	
29.6%	7	7	-1	-8.1%	
30.9%	7	6	-1	-9.8%	
32.1%	7	6	-1	-9.6%	
33.3%	7	6	-1	-9.3%	
34.6%	7	6	-1	-8.5%	
35.8%	7	6	-1	-8.6%	
37.0%	7	6	-1	-8.9%	
38.3%	7	6	-1	-9.6%	
39.5%	7	6	-1	-10.1%	
40.7%	7	6	-1	-12.4%	
42.0%	7	6	-1	-12.1%	
43.2%	7	6	-1	-12.5%	
44.4%	6	6	-1	-10.5%	
45.7%	7	6	-1	-10.2%	
46.9%	6	6	-1	-9.2%	
48.1%	6	6	-1	-9.6%	
49.4%	6	6	-1	-9.5%	
50.6%	6	6	-1	-8.1%	
51.9%	6	6	0	-7.4%	
53.1%	6	6	0	-7.1%	
54.3%	6	6	0	-8.0%	
55.6%	6	6	0	-6.4%	
56.8%	6	6	0	-6.6%	
58.0%	6	6	0	-5.9%	
59.3%	6	6	0	-5.1%	
60.5%	6	6	0	-4.1%	
61.7%	6	6	0	-4.1%	
63.0%	6	6	0	-4.4%	
64.2%	6	6	0	-3.6%	
65.4%	6	6	0	-3.5%	
66.7%	6	6	0	-3.0%	
67.9%	6	6	0	-2.8%	
69.1%	6	6	0	-2.7%	
70.4%	6	6	0	-2.3%	
71.6%	6	6	0	-2.2%	
72.8%	6	6	0	-1.9%	
74.1%	6	5	0	-2.9%	
75.3%	6	5	0	-2.8%	
76.5%	6	5	0	-2.2%	
77.8%	6	5	0	-2.2%	
79.0%	6	5	0	-2.2%	
80.2%	5	5	0	-1.4%	
81.5%	5	5	0	-3.6%	
82.7%	5	5	0	-2.9%	
84.0%	5	5	0	1.9%	
85.2%	5	5	0	2.5%	
86.4%	5	5	0	-0.1%	
87.7%	5	5	0	-1.7%	
88.9%	5	5	0	-2.2%	
90.1%	5	5	0	-2.8%	
91.4%	5	5	0	-2.2%	
92.6%	4	5	0	0.1%	
93.8%	4	5	0	1.8%	
95.1%	4	5	1	17.3%	
96.3%	4	4	1	17.1%	
97.5%	4	4	1	13.9%	
98.8%	3	4	0	14.3%	
100.0%	3	3	0	-2.5%	

August					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	7	7	0	0.4%	
2.5%	7	7	0	0.0%	
3.7%	7	7	0	0.0%	
4.9%	7	7	0	1.1%	
6.2%	7	7	0	0.5%	
7.4%	7	7	0	0.3%	
8.6%	7	7	0	0.3%	
9.9%	7	7	0	0.0%	
11.1%	7	7	0	0.0%	
12.3%	6	6	0	0.0%	
13.6%	6	6	0	0.0%	
14.8%	6	6	0	0.0%	
16.0%	6	6	0	0.0%	
17.3%	6	6	0	0.4%	
18.5%	6	6	0	-0.1%	
19.8%	6	6	0	-0.4%	
21.0%	6	6	0	1.2%	
22.2%	6	6	0	1.0%	
23.5%	6	6	0	0.9%	
24.7%	6	6	0	0.7%	
25.9%	6	6	0	0.4%	
27.2%	6	6	0	1.3%	
28.4%	6	6	0	0.9%	
29.6%	6	6	0	1.2%	
30.9%	6	6	0	0.3%	
32.1%	6	6	0	0.3%	
33.3%	6	6	0	2.4%	
34.6%	6	6	0	2.8%	
35.8%	6	6	0	2.2%	
37.0%	6	6	0	2.4%	
38.3%	6	6	0	2.2%	
39.5%	6	6	0	3.2%	
40.7%	6	6	0	3.9%	
42.0%	6	6	0	3.7%	
43.2%	6	6	0	3.7%	
44.4%	6	6	0	3.6%	
45.7%	6	6	0	3.6%	
46.9%	5	6	0	4.3%	
48.1%	5	6	0	4.7%	
49.4%	5	6	0	4.3%	
50.6%	5	6	0	4.6%	
51.9%	5	6	0	5.1%	
53.1%	5	6	0	5.0%	
54.3%	5	6	0	4.4%	
55.6%	5	5	0	3.4%	
56.8%	5	5	0	3.8%	
58.0%	5	5	0	2.9%	
59.3%	5	5	0	-0.5%	
60.5%	5	5	0	0.0%	
61.7%	5	5	0	0.3%	
63.0%	5	5	0	-1.4%	
64.2%	5	5	0	0.0%	
65.4%	5	5	0	0.2%	
66.7%	5	5	0	1.5%	
67.9%	5	5	0	0.0%	
69.1%	5	5	0	2.6%	
70.4%	5	5	0	2.3%	
71.6%	5	5	0	1.4%	
72.8%	5	5	0	1.4%	
74.1%	5	5	0	0.0%	
75.3%	5	5	0	0.0%	
76.5%	5	5	0	0.0%	
77.8%	5	5	0	2.0%	
79.0%	5	5	0	5.4%	
80.2%	4	6	0	6.6%	
81.5%	4	5	0	5.6%	
82.7%	4	5	0	5.3%	
84.0%	4	5	0	5.6%	
85.2%	4	4	0	3.5%	
86.4%	4	4	0	5.1%	
87.7%	4	4	0	10.3%	
88.9%	4	4	0	7.9%	
90.1%	4	4	0	7.9%	
91.4%	4	4	0	5.2%	
92.6%	4	4	0	5.9%	
93.8%	4	4	0	6.0%	
95.1%	4	4	0	5.9%	
96.3%	4	4	0	2.0%	
97.5%	4	4	0	1.1%	
98.8%	3	4	0	1.4%	
100.0%	3	3	0	9.4%	

September					
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	
0.0%	7	7	0	0.0%	
1.2%	7	7	0	0.0%	
2.5%	7	7	0	-2.8%	
3.7%	7	7	0	-3.5%	
4.9%	7	7	0	-3.6%	
6.2%	7	7	0	-3.9%	
7.4%	7	7	0	-3.8%	
8.6%	7	7	0	-3.76%	
9.9%	7	7	0	-3.1%	
11.1%	7	7	0	-4.0%	
12.3%	7	7	0	-3.6%	
13.6%	7	7	0	-2.6%	
14.8%	7	7	0	-2.5%	
16.0%	7	7	0	-2.7%	
17.3%	7	7	0	-2.4%	
18.5%	7	7	0	-2.5%	
19.8%	7	7	0	-2.7%	
21.0%	7	7	0	-2.5%	
22.2%	7	7	0	-2.1%	
23.5%	7	7	0	-2.2%	
24.7%	7	7	0	-2.0%	
25.9%	7	6	0	-2.1%	

Alternative B Compared to No Action Alternative

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Table SW-01-5a
Trinity Lake, End of Month Storage

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term Average and Average by Water Year Type												
Long-term												
Full Simulation Period¹												
No Action Alternative	1,305	1,315	1,367	1,431	1,541	1,665	1,816	1,810	1,774	1,636	1,495	1,374
Alternative B	1,352	1,365	1,415	1,475	1,581	1,701	1,850	1,846	1,811	1,675	1,541	1,416
Difference	47	50	48	44	41	35	35	36	37	40	47	42
Percent Difference ²	3.6%	3.8%	3.5%	3.1%	2.6%	2.1%	1.9%	2.0%	2.1%	2.4%	3.1%	3.1%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,736	1,745	1,761	1,749	1,911	2,051	2,229	2,264	2,241	2,114	1,994	1,845
Alternative B	1,750	1,759	1,774	1,782	1,936	2,065	2,243	2,277	2,255	2,126	2,004	1,854
Difference	15	14	13	33	25	14	13	13	14	12	10	10
Percent Difference	0.8%	0.8%	0.8%	1.9%	1.3%	0.7%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%
Above Normal (15%)												
No Action Alternative	1,535	1,530	1,557	1,518	1,667	1,837	2,007	2,012	1,984	1,860	1,722	1,584
Alternative B	1,592	1,594	1,622	1,573	1,724	1,893	2,065	2,069	2,041	1,919	1,787	1,652
Difference	57	64	65	55	57	56	58	57	57	59	65	67
Percent Difference	3.7%	4.2%	4.2%	3.6%	3.4%	3.0%	2.9%	2.8%	2.9%	3.2%	3.8%	4.3%
Below Normal (17%)												
No Action Alternative	1,222	1,254	1,338	1,325	1,399	1,496	1,672	1,656	1,609	1,479	1,344	1,241
Alternative B	1,277	1,311	1,388	1,368	1,440	1,536	1,712	1,696	1,653	1,527	1,401	1,299
Difference	55	58	50	43	41	40	40	40	44	48	56	58
Percent Difference	4.5%	4.6%	3.8%	3.2%	2.9%	2.7%	2.4%	2.4%	2.7%	3.3%	4.2%	4.7%
Dry (22%)												
No Action Alternative	1,068	1,078	1,186	1,334	1,414	1,542	1,680	1,630	1,571	1,411	1,243	1,132
Alternative B	1,126	1,141	1,247	1,381	1,459	1,581	1,716	1,671	1,612	1,450	1,296	1,181
Difference	58	63	61	47	45	38	36	40	42	39	53	48
Percent Difference	5.4%	5.8%	5.1%	3.5%	3.2%	2.5%	2.2%	2.5%	2.7%	2.7%	4.3%	4.3%
Critical (15%)												
No Action Alternative	585	586	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative B	678	681	710	978	1,019	1,091	1,150	1,128	1,099	964	826	718
Difference	83	85	81	54	53	52	51	52	50	71	86	60
Percent Difference	13.9%	14.2%	12.8%	5.8%	5.5%	5.0%	4.6%	4.8%	4.7%	7.9%	11.6%	9.1%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
³ Relative difference of the monthly average

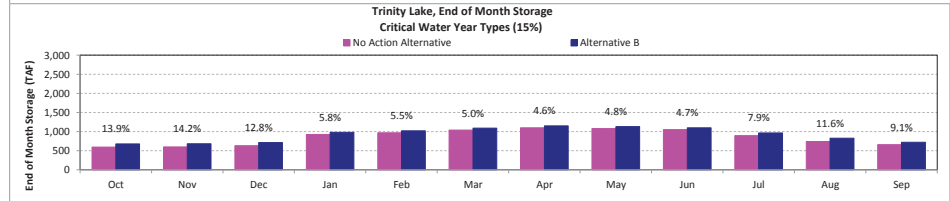
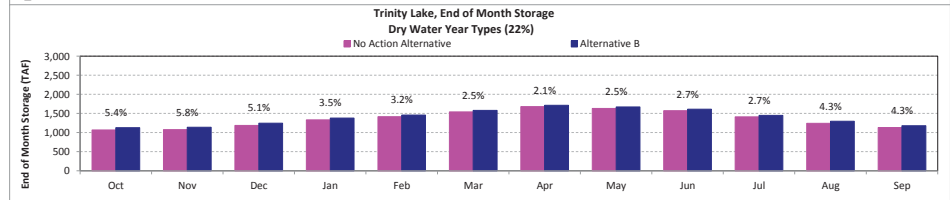
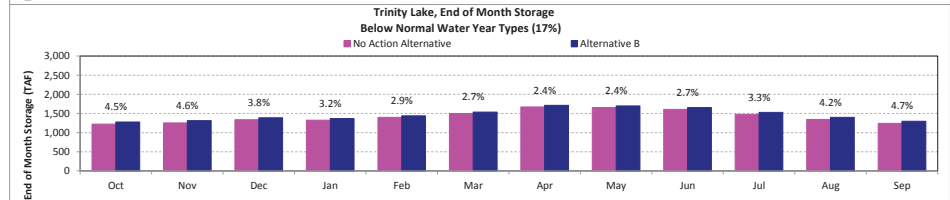
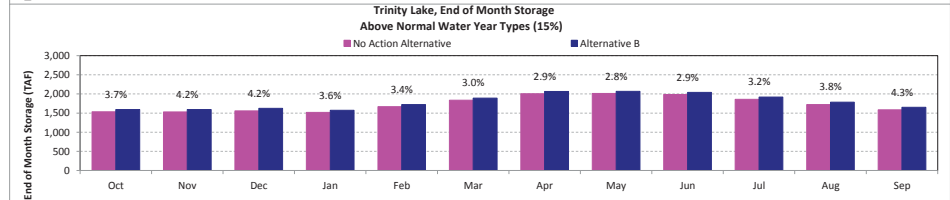
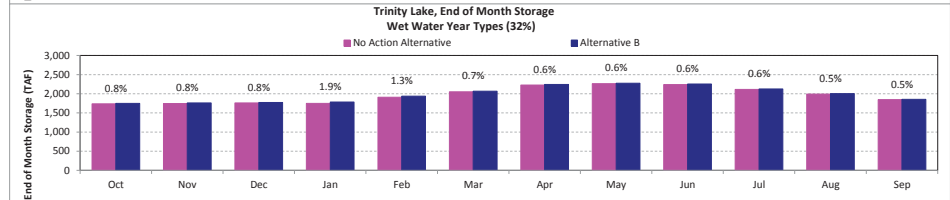
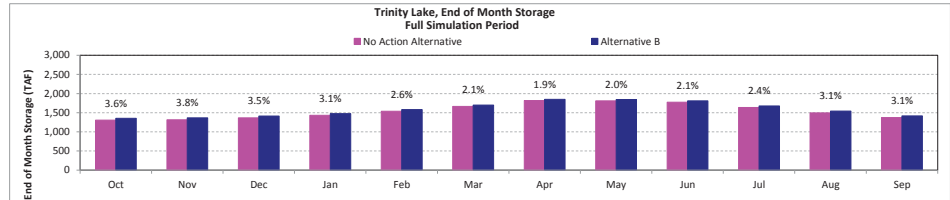


Figure SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

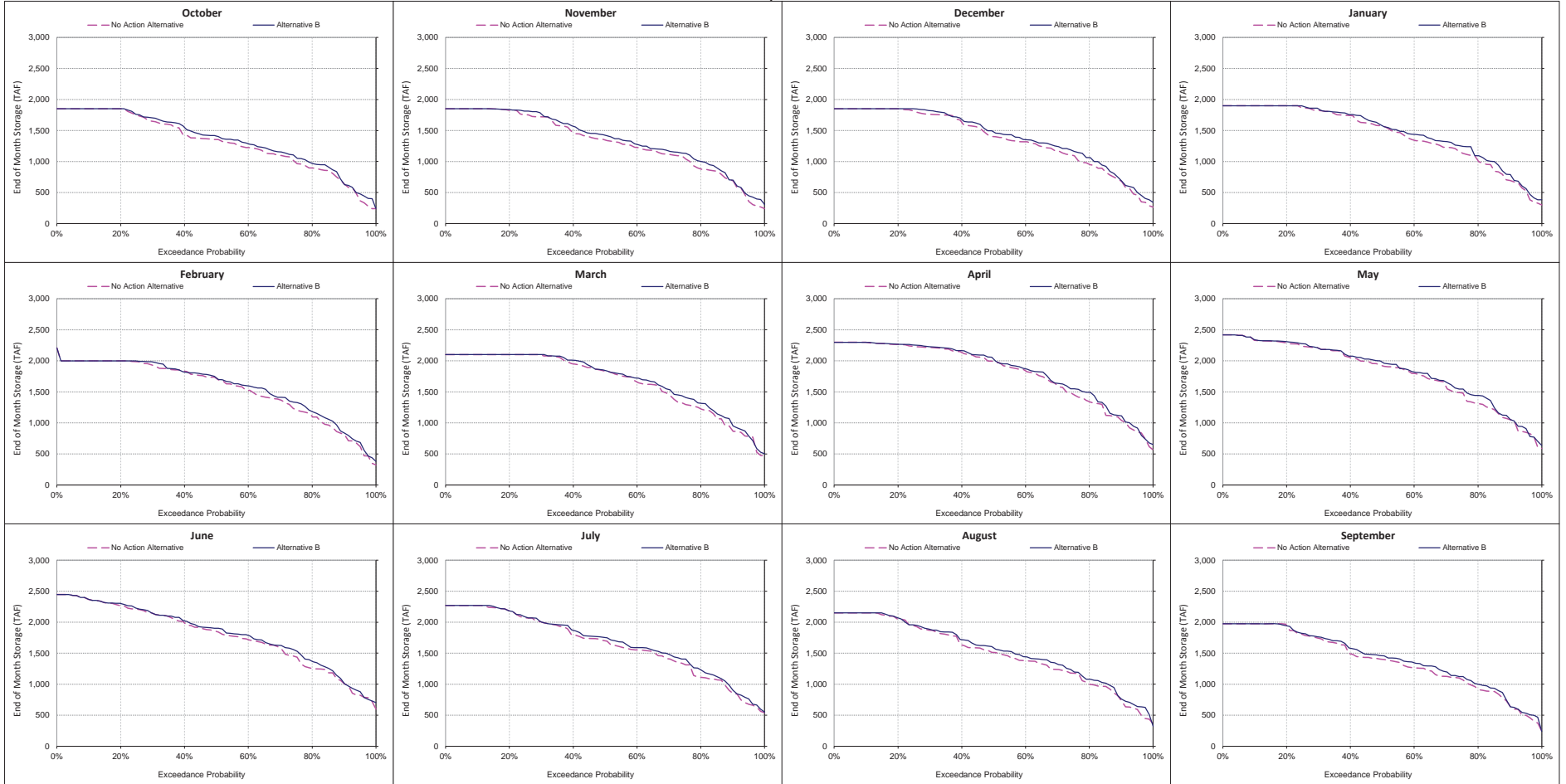


Table SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,850	1,850	0	0.0%
22.2%	1,807	1,900	23	1.3%
23.5%	1,781	1,807	26	1.5%
24.7%	1,755	1,763	8	0.4%
25.9%	1,732	1,713	22	1.2%
27.2%	1,714	1,718	4	0.2%
28.4%	1,672	1,713	40	2.4%
29.6%	1,652	1,708	54	3.3%
30.9%	1,642	1,699	57	3.5%
32.1%	1,619	1,673	55	3.4%
33.3%	1,605	1,649	45	2.8%
34.6%	1,603	1,638	35	2.2%
35.8%	1,592	1,633	41	2.6%
37.0%	1,548	1,623	75	4.8%
38.3%	1,544	1,610	66	4.3%
39.5%	1,433	1,572	139	9.7%
40.7%	1,424	1,513	88	6.2%
42.0%	1,382	1,491	109	7.9%
43.2%	1,378	1,467	88	6.4%
44.4%	1,377	1,448	72	5.2%
45.7%	1,370	1,456	86	6.3%
46.9%	1,367	1,424	58	4.2%
48.1%	1,362	1,417	56	4.1%
49.4%	1,356	1,417	61	4.5%
50.6%	1,355	1,400	46	3.4%
51.9%	1,323	1,369	46	3.5%
53.1%	1,315	1,360	45	3.4%
54.3%	1,299	1,358	59	4.6%
55.6%	1,294	1,345	50	3.9%
56.8%	1,257	1,344	87	6.9%
58.0%	1,239	1,311	72	5.8%
59.3%	1,225	1,298	73	6.0%
60.5%	1,224	1,278	53	4.4%
61.7%	1,214	1,271	57	4.7%
63.0%	1,201	1,240	39	3.2%
64.2%	1,179	1,230	51	4.3%
65.4%	1,134	1,219	85	7.5%
66.7%	1,126	1,191	65	5.8%
67.9%	1,124	1,171	48	4.1%
69.1%	1,102	1,157	55	5.0%
70.4%	1,098	1,154	57	5.2%
71.6%	1,082	1,137	55	5.1%
72.8%	1,075	1,113	38	3.5%
74.1%	1,018	1,108	90	8.9%
75.3%	965	1,050	85	8.8%
76.5%	959	1,046	87	9.1%
77.8%	936	1,028	92	9.8%
79.0%	896	989	93	10.4%
80.2%	895	966	72	8.0%
81.5%	885	952	66	7.5%
82.7%	869	947	78	9.0%
84.0%	858	947	89	10.4%
85.2%	855	908	53	6.2%
86.4%	807	866	58	7.2%
87.7%	751	837	86	11.4%
88.9%	700	715	15	2.2%
90.1%	633	629	-5	-0.7%
91.4%	613	604	-9	-1.5%
92.6%	580	584	3	0.6%
93.8%	483	491	7	1.4%
95.1%	367	479	112	30.6%
96.3%	334	442	108	32.2%
97.5%	281	403	123	43.8%
98.8%	240	400	160	66.7%
100.0%	240	240	0	0.0%

Percent Exceedance Probability (%)	November			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,846	-4	-0.2%
16.0%	1,845	1,845	0	0.0%
17.3%	1,843	1,843	0	0.0%
18.5%	1,840	1,840	0	0.0%
19.8%	1,828	1,837	9	0.5%
21.0%	1,828	1,829	1	0.1%
22.2%	1,825	1,828	4	0.2%
23.5%	1,765	1,826	61	3.4%
24.7%	1,754	1,814	60	3.4%
25.9%	1,753	1,813	60	3.4%
27.2%	1,727	1,805	78	4.5%
28.4%	1,722	1,803	81	4.7%
29.6%	1,722	1,798	76	4.4%
30.9%	1,720	1,728	7	0.4%
32.1%	1,719	1,719	-1	-0.0%
33.3%	1,655	1,685	31	1.8%
34.6%	1,583	1,671	88	5.6%
35.8%	1,577	1,639	62	3.9%
37.0%	1,572	1,613	41	2.6%
38.3%	1,553	1,610	57	3.6%
39.5%	1,482	1,577	94	6.4%
40.7%	1,449	1,554	105	7.3%
42.0%	1,444	1,511	67	4.6%
43.2%	1,437	1,487	50	3.5%
44.4%	1,408	1,460	52	3.7%
45.7%	1,386	1,455	69	5.0%
46.9%	1,371	1,452	81	5.9%
48.1%	1,360	1,443	82	6.0%
49.4%	1,358	1,433	75	5.5%
50.6%	1,337	1,417	79	5.9%
51.9%	1,328	1,398	70	5.3%
53.1%	1,317	1,367	50	3.8%
54.3%	1,309	1,367	58	4.5%
55.6%	1,278	1,344	65	5.1%
56.8%	1,275	1,336	61	4.8%
58.0%	1,261	1,328	67	5.3%
59.3%	1,231	1,288	57	4.7%
60.5%	1,223	1,271	48	3.9%
61.7%	1,200	1,248	48	4.0%
63.0%	1,187	1,247	60	5.1%
64.2%	1,181	1,209	27	2.3%
65.4%	1,179	1,205	26	2.2%
66.7%	1,147	1,202	55	4.8%
67.9%	1,124	1,196	72	6.4%
69.1%	1,120	1,185	65	5.8%
70.4%	1,112	1,162	50	4.5%
71.6%	1,102	1,155	53	4.8%
72.8%	1,093	1,148	55	5.0%
74.1%	1,093	1,135	43	3.9%
75.3%	1,041	1,131	90	8.7%
76.5%	1,003	1,102	99	9.9%
77.8%	931	1,045	114	12.2%
79.0%	897	1,013	116	12.9%
80.2%	875	1,000	125	14.2%
81.5%	875	987	112	12.8%
82.7%	862	948	86	10.0%
84.0%	852	936	85	10.0%
85.2%	843	890	48	5.7%
86.4%	793	851	58	7.4%
87.7%	735	821	86	11.7%
88.9%	710	706	-5	-0.6%
90.1%	688	689	9	1.4%
91.4%	613	604	-9	-1.5%
92.6%	571	578	7	1.2%
93.8%	468	491	23	4.9%
95.1%	355	448	94	26.4%
96.3%	305	427	122	40.0%
97.5%	281	386	105	37.4%
98.8%	267	389	122	45.5%
100.0%	240	305	65	27.2%

Percent Exceedance Probability (%)	December			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,847	1,850	3	0.1%
22.2%	1,835	1,850	15	0.8%
23.5%	1,834	1,850	16	0.8%
24.7%	1,817	1,850	33	1.8%
25.9%	1,794	1,847	53	3.0%
27.2%	1,779	1,837	58	3.3%
28.4%	1,768	1,835	68	3.8%
29.6%	1,763	1,823	60	3.4%
30.9%	1,759	1,818	60	3.4%
32.1%	1,755	1,804	49	2.8%
33.3%	1,754	1,794	40	2.3%
34.6%	1,750	1,789	40	2.3%
35.8%	1,750	1,750	1	0.1%
37.0%	1,740	1,724	-16	-0.9%
38.3%	1,685	1,718	33	1.9%
39.5%	1,669	1,703	35	2.1%
40.7%	1,581	1,647	66	4.2%
42.0%	1,579	1,637	58	3.6%
43.2%	1,571	1,636	65	4.1%
44.4%	1,561	1,622	60	3.9%
45.7%	1,537	1,601	64	4.1%
46.9%	1,483	1,537	54	3.6%
48.1%	1,429	1,498	69	4.8%
49.4%	1,405	1,495	90	6.4%
50.6%	1,400	1,457	57	4.1%
51.9%	1,388	1,454	66	4.8%
53.1%	1,386	1,434	48	3.5%
54.3%	1,351	1,431	80	5.9%
55.6%	1,338	1,431	93	6.9%
56.8%	1,332	1,383	52	3.9%
58.0%	1,320	1,388	67	5.1%
59.3%	1,319	1,353	35	2.6%
60.5%	1,319	1,350	32	2.4%
61.7%	1,296	1,348	53	4.1%
63.0%	1,288	1,326	38	2.9%
64.2%	1,254	1,299	45	3.6%
65.4%	1,236	1,297	61	5.0%
66.7%	1,220	1,297	77	6.3%
67.9%	1,216	1,275	59	4.8%
69.1%	1,176	1,252	76	6.4%
70.4%	1,170	1,238	68	5.9%
71.6%	1,137	1,209	72	6.3%
72.8%	1,117	1,209	92	8.2%
74.1%	1,109	1,190	80	7.2%
75.3%	1,092	1,163	71	6.5%
76.5%	1,012	1,147	135	13.3%
77.8%	985	1,131	146	14.8%
79.0%	980	1,063	83	8.5%
80.2%	949	1,062	114	12.0%
81.5%	938	1,000	62	6.6%
82.7%	892	1,000	108	12.1%
84.0%	892	942	51	5.7%
85.2%	827	921	94	11.3%
86.4%	783	841	58	7.5%
87.7%	751	806	55	7.3%
88.9%	720	746	27	3.7%
90.1%	679	689	9	1.4%
91.4%	615	611	-4	-0.6%
92.6%	566	599	33	5.8%
93.8%	478	581	104	21.7%
95.1%	458	500	42	9.2%
96.3%	350	451	101	28.9%
97.5%	342	406	65	18.9%
98.8%	287	384	98	34.0%
100.0%	264	342	78	29.6%

Percent Exceedance Probability (%)	January			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)		

Table SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,208	2,208	0	0.0%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	1,991	2,000	9	0.5%
24.7%	1,988	2,000	12	0.6%
25.9%	1,985	1,991	6	0.3%
27.2%	1,957	1,990	33	1.7%
28.4%	1,955	1,988	33	1.7%
29.6%	1,935	1,985	50	2.6%
30.9%	1,914	1,974	60	3.1%
32.1%	1,880	1,956	76	4.0%
33.3%	1,876	1,948	72	3.8%
34.6%	1,875	1,881	5	0.3%
35.8%	1,859	1,875	17	0.9%
37.0%	1,853	1,872	18	1.0%
38.3%	1,853	1,855	2	0.1%
39.5%	1,837	1,824	-12	-0.7%
40.7%	1,828	1,815	-13	-0.7%
42.0%	1,784	1,806	21	1.2%
43.2%	1,778	1,805	28	1.6%
44.4%	1,766	1,799	34	1.9%
45.7%	1,761	1,784	23	1.3%
46.9%	1,739	1,781	42	2.4%
48.1%	1,737	1,766	29	1.7%
49.4%	1,737	1,752	15	0.9%
50.6%	1,694	1,698	5	0.3%
51.9%	1,685	1,694	8	0.5%
53.1%	1,630	1,671	41	2.5%
54.3%	1,628	1,794	31	1.9%
55.6%	1,601	1,631	30	1.9%
56.8%	1,592	1,629	38	2.3%
58.0%	1,580	1,610	29	1.9%
59.3%	1,524	1,599	75	4.9%
60.5%	1,523	1,594	71	4.6%
61.7%	1,482	1,575	94	6.3%
63.0%	1,439	1,563	125	8.7%
64.2%	1,428	1,563	135	9.5%
65.4%	1,413	1,539	126	8.9%
66.7%	1,404	1,474	70	5.0%
67.9%	1,390	1,439	48	3.5%
69.1%	1,385	1,414	30	2.2%
70.4%	1,364	1,411	47	3.5%
71.6%	1,322	1,406	84	6.4%
72.8%	1,298	1,353	55	4.2%
74.1%	1,233	1,333	100	8.2%
75.3%	1,202	1,329	126	10.5%
76.5%	1,185	1,304	119	10.1%
77.8%	1,172	1,267	95	8.1%
79.0%	1,155	1,208	54	4.6%
80.2%	1,095	1,178	83	7.6%
81.5%	1,094	1,150	56	5.1%
82.7%	1,021	1,115	94	9.2%
84.0%	977	1,064	107	10.9%
85.2%	965	1,057	93	9.6%
86.4%	924	1,028	104	11.2%
87.7%	861	1,083	107	12.4%
88.9%	834	870	36	4.3%
90.1%	812	855	23	2.8%
91.4%	710	795	85	12.0%
92.6%	710	743	33	4.7%
93.8%	675	704	29	4.3%
95.1%	619	685	66	10.7%
96.3%	469	566	88	18.7%
97.5%	466	467	1	0.1%
98.8%	349	436	87	24.9%
100.0%	322	383	61	19.0%

Percent Exceedance Probability (%)	March			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,100	2,100	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,100	0	0.0%
25.9%	2,100	2,100	0	0.0%
27.2%	2,100	2,100	0	0.0%
28.4%	2,100	2,100	0	0.0%
29.6%	2,100	2,100	0	0.0%
30.9%	2,079	2,100	21	1.0%
32.1%	2,078	2,079	1	0.1%
33.3%	2,076	2,079	2	0.1%
34.6%	2,069	2,076	7	0.3%
35.8%	2,054	2,074	20	1.0%
37.0%	2,008	2,054	46	2.3%
38.3%	1,983	2,012	29	1.4%
39.5%	1,955	2,010	55	2.8%
40.7%	1,946	2,008	63	3.2%
42.0%	1,933	2,000	67	3.2%
43.2%	1,915	1,983	68	3.2%
44.4%	1,893	1,938	45	2.4%
45.7%	1,892	1,907	15	0.8%
46.9%	1,867	1,866	-1	-0.1%
48.1%	1,855	1,860	4	0.2%
49.4%	1,841	1,855	13	0.7%
50.6%	1,826	1,837	12	0.6%
51.9%	1,815	1,816	1	0.1%
53.1%	1,788	1,804	16	0.9%
54.3%	1,770	1,794	24	1.4%
55.6%	1,754	1,787	33	1.9%
56.8%	1,742	1,751	9	0.5%
58.0%	1,741	1,742	1	0.1%
59.3%	1,680	1,726	47	2.8%
60.5%	1,646	1,722	76	4.6%
61.7%	1,630	1,696	67	4.1%
63.0%	1,622	1,690	68	4.2%
64.2%	1,621	1,668	47	2.9%
65.4%	1,615	1,661	46	2.9%
66.7%	1,602	1,613	12	0.7%
67.9%	1,506	1,588	82	5.5%
69.1%	1,483	1,548	65	4.4%
70.4%	1,444	1,530	86	6.0%
71.6%	1,381	1,460	79	5.7%
72.8%	1,334	1,451	117	8.7%
74.1%	1,324	1,438	114	8.6%
75.3%	1,294	1,408	114	8.8%
76.5%	1,284	1,393	109	8.5%
77.8%	1,270	1,379	108	8.5%
79.0%	1,252	1,322	70	5.6%
80.2%	1,221	1,315	95	7.8%
81.5%	1,202	1,308	106	8.9%
82.7%	1,197	1,241	44	3.7%
84.0%	1,147	1,198	51	4.5%
85.2%	1,066	1,142	77	7.2%
86.4%	1,065	1,116	51	4.8%
87.7%	951	1,083	132	13.9%
88.9%	951	1,070	120	12.6%
90.1%	864	1,038	87	10.1%
91.4%	863	922	60	6.9%
92.6%	848	895	48	5.7%
93.8%	789	868	79	10.1%
95.1%	780	790	9	1.2%
96.3%	771	713	-58	-7.5%
97.5%	528	588	61	11.6%
98.8%	475	528	54	11.3%
100.0%	466	500	34	7.2%

Percent Exceedance Probability (%)	April			
	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	0	0.0%
9.9%	2,300	2,300	0	0.0%
11.1%	2,290	2,300	10	0.4%
12.3%	2,283	2,288	5	0.2%
13.6%	2,283	2,283	0	0.0%
14.8%	2,278	2,282	4	0.2%
16.0%	2,276	2,278	2	0.1%
17.3%	2,269	2,276	7	0.3%
18.5%	2,266	2,272	6	0.3%
19.8%	2,263	2,267	4	0.2%
21.0%	2,261	2,266	5	0.2%
22.2%	2,259	2,262	7	0.3%
23.5%	2,241	2,264	22	1.0%
24.7%	2,234	2,257	24	1.1%
25.9%	2,226	2,250	24	1.1%
27.2%	2,225	2,247	22	1.0%
28.4%	2,218	2,234	15	0.7%
29.6%	2,218	2,229	11	0.5%
30.9%	2,214	2,225	11	0.5%
32.1%	2,208	2,218	10	0.5%
33.3%	2,205	2,218	12	0.6%
34.6%	2,191	2,210	19	0.9%
35.8%	2,190	2,205	15	0.7%
37.0%	2,161	2,191	30	1.4%
38.3%	2,153	2,167	14	0.7%
39.5%	2,149	2,167	18	0.9%
40.7%	2,117	2,161	45	2.1%
42.0%	2,101	2,033	-68	-3.2%
43.2%	2,095	2,103	8	0.4%
44.4%	2,063	2,097	34	1.6%
45.7%	2,059	2,094	36	1.7%
46.9%	2,052	2,092	40	1.9%
48.1%	1,997	2,064	67	3.4%
49.4%	1,995	2,059	64	3.2%
50.6%	1,972	1,994	21	1.1%
51.9%	1,967	1,958	-9	-0.5%
53.1%	1,918	1,951	33	1.7%
54.3%	1,913	1,950	37	1.9%
55.6%	1,889	1,925	36	1.9%
56.8%	1,878	1,916	38	2.0%
58.0%	1,864	1,904	40	2.1%
59.3%	1,862	1,879	17	0.9%
60.5%	1,823	1,866	43	2.4%
61.7%	1,811	1,840	29	1.6%
63.0%	1,798	1,827	29	1.6%
64.2%	1,761	1,823	62	3.5%
65.4%	1,744	1,817	74	4.2%
66.7%	1,707	1,760	53	3.1%
67.9%	1,660	1,684	25	1.5%
69.1%	1,641	1,642	1	0.1%
70.4%	1,582	1,636	54	3.4%
71.6%	1,571	1,627	56	3.6%
72.8%	1,496	1,598	102	6.8%
74.1%	1,486	1,551	65	4.4%
75.3%	1,449	1,548	99	6.8%
76.5%	1,416	1,541	125	8.8%
77.8%	1,406	1,505	99	7.0%
79.0%	1,362	1,495	133	9.7%
80.2%	1,337	1,494	157	11.8%
81.5%	1,316	1,439	122	9.3%
82.7%	1,311	1,341	30	2.3%
84.0%	1,299	1,331	31	2.4%
85.2%	1,121	1,273	152	13.6%
86.4%	1,118	1,155	37	3.4%
87.7%	1,105	1,129	24	2.2%
88.9%	1,096	1,122	25	2.3%
90.1%	1,051	1,113	75	7.2%
91.4%	1,006	1,015	9	0.9%
92.6%	920	1,000	80	8.7%
93.8%	887	945	58	6.5%
95.1%	858	918	63	7.3%
96.3%	835	797	-41	-4.9%
97.5%	742	742	1	0.1%
98.8%	615	678	63	10.2%
100.0%	565	649	84	14.9%

Table SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,431	0	0.0%
6.2%	2,430	2,430	0	0.0%
7.4%	2,401	2,401	0	0.0%
8.6%	2,397	2,397	0	0.0%
9.9%	2,367	2,367	0	0.0%
11.1%	2,353	2,351	-2	-0.1%
12.3%	2,349	2,351	2	0.1%
13.6%	2,340	2,340	0	0.0%
14.8%	2,315	2,320	5	0.2%
16.0%	2,304	2,307	3	0.1%
17.3%	2,304	2,307	3	0.1%
18.5%	2,285	2,304	19	0.8%
19.8%	2,268	2,303	35	1.5%
21.0%	2,266	2,298	32	1.4%
22.2%	2,226	2,266	40	1.8%
23.5%	2,214	2,263	49	2.2%
24.7%	2,211	2,226	14	0.6%
25.9%	2,204	2,212	8	0.4%
27.2%	2,187	2,204	17	0.8%
28.4%	2,155	2,187	33	1.5%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	1,964	-149	-7.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,098	24	1.2%
37.0%	2,043	2,079	36	1.8%
38.3%	2,018	2,077	59	2.9%
39.5%	2,012	2,026	14	0.7%
40.7%	1,950	2,013	63	3.2%
42.0%	1,947	1,979	32	1.6%
43.2%	1,918	1,983	64	3.3%
44.4%	1,917	1,926	9	0.5%
45.7%	1,896	1,918	22	1.2%
46.9%	1,881	1,917	36	1.9%
48.1%	1,874	1,913	38	2.0%
49.4%	1,859	1,904	45	2.4%
50.6%	1,840	1,900	60	3.3%
51.9%	1,806	1,889	83	4.6%
53.1%	1,789	1,827	37	2.1%
54.3%	1,780	1,822	43	2.4%
55.6%	1,772	1,811	38	2.2%
56.8%	1,765	1,809	44	2.5%
58.0%	1,739	1,801	62	3.6%
59.3%	1,731	1,799	67	3.9%
60.5%	1,711	1,776	65	3.8%
61.7%	1,705	1,730	25	1.5%
63.0%	1,688	1,718	30	1.8%
64.2%	1,675	1,715	40	2.4%
65.4%	1,645	1,669	24	1.5%
66.7%	1,631	1,650	19	1.2%
67.9%	1,630	1,634	4	0.2%
69.1%	1,608	1,630	22	1.4%
70.4%	1,571	1,625	55	3.5%
71.6%	1,483	1,590	107	7.2%
72.8%	1,465	1,581	116	7.9%
74.1%	1,455	1,559	104	7.2%
75.3%	1,435	1,529	94	6.5%
76.5%	1,326	1,471	145	10.9%
77.8%	1,285	1,406	121	9.4%
79.0%	1,267	1,398	132	10.4%
80.2%	1,250	1,363	113	9.0%
81.5%	1,246	1,346	99	8.0%
82.7%	1,246	1,309	63	5.0%
84.0%	1,239	1,281	42	3.4%
85.2%	1,184	1,255	71	6.0%
86.4%	1,183	1,218	35	3.0%
87.7%	1,088	1,144	56	5.2%
88.9%	1,062	1,094	32	3.1%
90.1%	1,006	1,007	1	0.1%
91.4%	975	971	-5	-0.5%
92.6%	855	934	79	9.2%
93.8%	827	906	79	9.5%
95.1%	822	879	58	7.0%
96.3%	788	784	-4	-0.5%
97.5%	784	766	-18	-2.3%
98.8%	722	731	9	1.3%
100.0%	600	703	103	17.2%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,261	2,270	9	0.4%
13.6%	2,238	2,269	30	1.4%
14.8%	2,235	2,257	21	1.0%
16.0%	2,233	2,235	2	0.1%
17.3%	2,219	2,217	-1	-0.1%
18.5%	2,216	2,216	0	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,123	-1	-0.1%
23.5%	2,090	2,121	32	1.5%
24.7%	2,071	2,090	19	0.9%
25.9%	2,067	2,071	4	0.2%
27.2%	2,067	2,067	0	0.0%
28.4%	2,014	2,067	54	2.7%
29.6%	2,012	2,012	0	0.0%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,965	1	0.0%
34.6%	1,956	1,964	9	0.4%
35.8%	1,931	1,957	26	1.3%
37.0%	1,926	1,956	29	1.5%
38.3%	1,890	1,950	60	3.2%
39.5%	1,794	1,875	82	4.6%
40.7%	1,790	1,859	69	3.8%
42.0%	1,769	1,832	63	3.6%
43.2%	1,742	1,781	39	2.2%
44.4%	1,737	1,777	40	2.3%
45.7%	1,737	1,773	36	2.1%
46.9%	1,735	1,769	34	2.0%
48.1%	1,728	1,764	36	2.1%
49.4%	1,705	1,755	50	2.9%
50.6%	1,695	1,750	55	3.2%
51.9%	1,634	1,713	79	4.8%
53.1%	1,625	1,702	77	4.7%
54.3%	1,610	1,684	74	4.6%
55.6%	1,591	1,678	87	5.5%
56.8%	1,578	1,637	59	3.7%
58.0%	1,562	1,595	33	2.1%
59.3%	1,554	1,591	37	2.4%
60.5%	1,551	1,590	40	2.6%
61.7%	1,549	1,590	41	2.6%
63.0%	1,541	1,585	45	2.9%
64.2%	1,535	1,566	30	2.0%
65.4%	1,507	1,543	36	2.4%
66.7%	1,460	1,531	71	4.9%
67.9%	1,456	1,504	48	3.3%
69.1%	1,415	1,499	84	6.0%
70.4%	1,405	1,473	68	4.8%
71.6%	1,375	1,442	67	4.9%
72.8%	1,350	1,429	79	5.9%
74.1%	1,340	1,404	64	4.8%
75.3%	1,312	1,404	92	7.0%
76.5%	1,311	1,328	16	1.3%
77.8%	1,142	1,264	122	10.7%
79.0%	1,118	1,260	142	12.7%
80.2%	1,110	1,228	118	10.7%
81.5%	1,104	1,183	78	7.1%
82.7%	1,088	1,166	78	7.2%
84.0%	1,085	1,149	64	5.9%
85.2%	1,069	1,117	48	4.5%
86.4%	1,066	1,088	22	2.1%
87.7%	980	1,052	71	7.3%
88.9%	901	984	84	9.3%
90.1%	851	901	50	5.9%
91.4%	842	847	5	0.6%
92.6%	747	825	78	10.5%
93.8%	704	789	85	12.1%
95.1%	676	762	85	12.6%
96.3%	662	677	15	2.3%
97.5%	631	664	33	5.2%
98.8%	561	595	34	6.0%
100.0%	542	551	9	1.7%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,150	4	0.2%
14.8%	2,122	2,150	28	1.3%
16.0%	2,110	2,129	18	0.9%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,098	0	0.0%
19.8%	2,053	2,073	20	1.0%
21.0%	2,050	2,053	2	0.1%
22.2%	2,034	2,000	-34	-1.7%
23.5%	1,957	1,958	0	0.0%
24.7%	1,949	1,957	8	0.4%
25.9%	1,927	1,949	22	1.1%
27.2%	1,892	1,926	34	1.8%
28.4%	1,890	1,802	-12	-0.6%
29.6%	1,872	1,890	18	1.0%
30.9%	1,868	1,872	4	0.2%
32.1%	1,837	1,872	35	1.9%
33.3%	1,816	1,847	31	1.7%
34.6%	1,808	1,843	35	2.0%
35.8%	1,795	1,841	46	2.6%
37.0%	1,777	1,837	60	3.4%
38.3%	1,777	1,801	24	1.3%
39.5%	1,641	1,724	83	5.1%
40.7%	1,622	1,715	93	5.7%
42.0%	1,592	1,706	114	7.2%
43.2%	1,588	1,684	96	6.1%
44.4%	1,588	1,632	44	2.8%
45.7%	1,583	1,623	39	2.5%
46.9%	1,556	1,622	66	4.2%
48.1%	1,547	1,613	67	4.3%
49.4%	1,514	1,607	93	6.2%
50.6%	1,510	1,564	54	3.6%
51.9%	1,488	1,551	62	4.2%
53.1%	1,475	1,535	60	4.1%
54.3%	1,460	1,532	72	4.9%
55.6%	1,424	1,526	102	7.2%
56.8%	1,414	1,486	72	5.1%
58.0%	1,386	1,478	92	6.7%
59.3%	1,383	1,446	64	4.6%
60.5%	1,376	1,438	62	4.5%
61.7%	1,372	1,414	42	3.1%
63.0%	1,370	1,409	39	2.9%
64.2%	1,333	1,405	72	5.4%
65.4%	1,324	1,396	72	5.4%
66.7%	1,306	1,395	88	6.8%
67.9%	1,241	1,356	115	9.2%
69.1%	1,241	1,344	103	8.3%
70.4%	1,237	1,315	78	6.3%
71.6%	1,223	1,308	85	6.9%
72.8%	1,207	1,255	48	4.0%
74.1%	1,180	1,238	58	4.9%
75.3%	1,177	1,195	18	1.5%
76.5%	1,172	1,193	22	1.8%
77.8%	1,057	1,133	76	7.2%
79.0%	1,034	1,082	48	4.6%
80.2%	998	1,080	82	8.2%
81.5%	988	1,065	77	7.8%
82.7%	971	1,059	89	9.2%
84.0%	968	1,027	60	6.2%
85.2%	964	1,015	51	5.3%
86.4%	924	983	59	6.4%
87.7%	863	950	86	10.0%
88.9%	816	816	1	0.1%
90.1%	728	758	30	4.1%
91.4%	698	724	26	3.7%
92.6%	632	710	78	12.3%
93.8%	500	616	116	23.2%
95.1%	500	636	136	27.2%
96.3%	446	525	79	17.7%
97.5%	436	510	74	16.9%
98.8%	357	420	63	17.6%
100.0%	357	322	-35	-9.8%

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Table SW-02-5a
Trinity Lake, End of Month Elevation

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	2,278	2,280	2,285	2,292	2,302	2,313	2,325	2,324	2,321	2,310	2,297	2,286
Alternative B	2,284	2,286	2,290	2,296	2,306	2,316	2,327	2,327	2,324	2,313	2,302	2,290
Difference	6	6	6	5	4	3	3	3	3	4	5	4
Percent Difference ³	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
Water Year Types²												
Wet (32%)												
No Action Alternative	2,322	2,323	2,325	2,324	2,337	2,347	2,357	2,359	2,358	2,350	2,342	2,332
Alternative B	2,324	2,324	2,326	2,326	2,339	2,348	2,358	2,360	2,358	2,350	2,343	2,333
Difference	1	1	1	3	2	1	1	1	1	1	1	1
Percent Difference	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	2,305	2,305	2,307	2,298	2,313	2,329	2,341	2,342	2,340	2,331	2,321	2,309
Alternative B	2,310	2,311	2,313	2,306	2,320	2,334	2,345	2,346	2,344	2,336	2,326	2,315
Difference	5	6	6	8	7	5	5	5	5	5	5	6
Percent Difference	0.2%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%
Below Normal (17%)												
No Action Alternative	2,275	2,278	2,285	2,281	2,289	2,298	2,313	2,313	2,310	2,298	2,287	2,277
Alternative B	2,280	2,283	2,290	2,285	2,293	2,301	2,316	2,313	2,303	2,291	2,282	2,282
Difference	5	5	4	4	4	3	3	3	4	4	5	5
Percent Difference	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%
Dry (2%)												
No Action Alternative	2,260	2,261	2,270	2,283	2,291	2,304	2,316	2,312	2,307	2,293	2,277	2,266
Alternative B	2,266	2,267	2,277	2,288	2,296	2,308	2,320	2,316	2,311	2,297	2,282	2,271
Difference	6	7	6	6	5	4	3	4	4	4	5	5
Percent Difference	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%
Critical (15%)												
No Action Alternative	2,189	2,190	2,198	2,240	2,246	2,255	2,263	2,260	2,258	2,239	2,218	2,203
Alternative B	2,205	2,208	2,213	2,246	2,251	2,261	2,268	2,265	2,263	2,248	2,230	2,212
Difference	16	18	15	6	6	5	5	5	5	8	12	9
Percent Difference	0.7%	0.8%	0.7%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.4%	0.5%	0.4%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
³ Relative difference of the monthly average



Figure SW-02-5b
Trinity Lake, End of Month Elevation
Probability of Exceedance

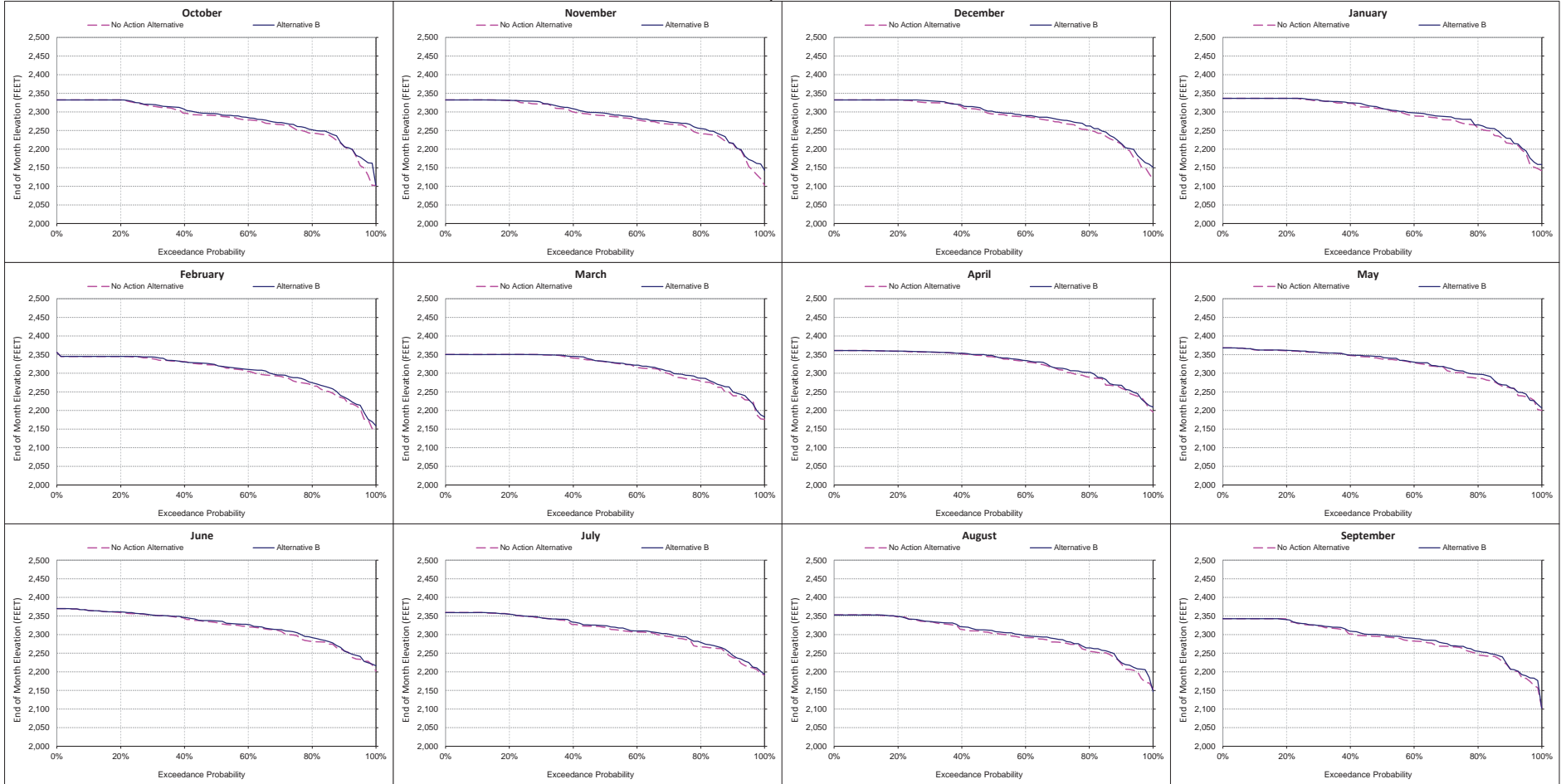


Table SW-02-5b
Trinity Lake, End of Month Elevation
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.332	2.332	0	0.0%
8.6%	2.332	2.332	0	0.0%
9.9%	2.332	2.332	0	0.0%
11.1%	2.332	2.332	0	0.0%
12.3%	2.332	2.332	0	0.0%
13.6%	2.332	2.332	0	0.0%
14.8%	2.332	2.332	0	0.0%
16.0%	2.332	2.332	0	0.0%
17.3%	2.332	2.332	0	0.0%
18.5%	2.332	2.332	0	0.0%
19.8%	2.332	2.332	0	0.0%
21.0%	2.332	2.332	0	0.0%
22.2%	2.329	2.331	2	0.1%
23.5%	2.326	2.329	2	0.1%
24.7%	2.324	2.325	1	0.0%
25.9%	2.322	2.324	2	0.1%
27.2%	2.321	2.321	0	0.0%
28.4%	2.317	2.321	3	0.1%
29.6%	2.315	2.320	5	0.2%
30.9%	2.315	2.319	5	0.2%
32.1%	2.313	2.317	5	0.2%
33.3%	2.311	2.315	4	0.2%
34.6%	2.311	2.314	3	0.1%
35.8%	2.310	2.314	3	0.1%
37.0%	2.307	2.313	6	0.3%
38.3%	2.306	2.312	6	0.2%
39.5%	2.297	2.309	12	0.5%
40.7%	2.296	2.304	7	0.3%
42.0%	2.293	2.302	9	0.4%
43.2%	2.292	2.300	7	0.3%
44.4%	2.292	2.298	6	0.3%
45.7%	2.292	2.296	5	0.2%
46.9%	2.291	2.296	5	0.2%
48.1%	2.291	2.296	5	0.2%
49.4%	2.290	2.296	6	0.3%
50.6%	2.290	2.294	4	0.2%
51.9%	2.288	2.292	4	0.2%
53.1%	2.287	2.291	4	0.2%
54.3%	2.286	2.291	5	0.2%
55.6%	2.285	2.289	4	0.2%
56.8%	2.282	2.289	8	0.3%
58.0%	2.280	2.287	7	0.3%
59.3%	2.278	2.286	7	0.3%
60.5%	2.278	2.284	5	0.2%
61.7%	2.277	2.283	6	0.2%
63.0%	2.276	2.280	4	0.2%
64.2%	2.274	2.279	5	0.2%
65.4%	2.269	2.278	8	0.4%
66.7%	2.269	2.275	6	0.3%
67.9%	2.268	2.273	5	0.2%
69.1%	2.266	2.272	5	0.2%
70.4%	2.266	2.271	6	0.3%
71.6%	2.264	2.270	6	0.2%
72.8%	2.263	2.267	4	0.2%
74.1%	2.257	2.270	10	0.4%
75.3%	2.251	2.261	10	0.4%
76.5%	2.250	2.260	10	0.4%
77.8%	2.248	2.258	11	0.5%
79.0%	2.243	2.254	11	0.5%
80.2%	2.243	2.251	8	0.4%
81.5%	2.242	2.249	8	0.3%
82.7%	2.240	2.249	9	0.4%
84.0%	2.239	2.249	10	0.5%
85.2%	2.238	2.244	6	0.3%
86.4%	2.231	2.240	8	0.4%
87.7%	2.223	2.236	12	0.6%
88.9%	2.216	2.218	2	0.1%
90.1%	2.207	2.206	-1	0.0%
91.4%	2.199	2.204	4	0.2%
92.6%	2.199	2.200	0	0.0%
93.8%	2.179	2.183	4	0.2%
95.1%	2.156	2.178	23	1.1%
96.3%	2.149	2.171	22	1.0%
97.5%	2.129	2.163	34	1.6%
98.8%	2.103	2.162	60	2.8%
100.0%	2.103	2.163	0	0.0%

Percent Exceedance Probability (%)	November			
	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.332	2.332	0	0.0%
8.6%	2.332	2.332	0	0.0%
9.9%	2.332	2.332	0	0.0%
11.1%	2.332	2.332	0	0.0%
12.3%	2.332	2.332	0	0.0%
13.6%	2.332	2.332	0	0.0%
14.8%	2.332	2.332	0	0.0%
16.0%	2.332	2.332	0	0.0%
17.3%	2.332	2.332	0	0.0%
18.5%	2.331	2.331	0	0.0%
19.8%	2.330	2.331	1	0.0%
21.0%	2.330	2.330	0	0.0%
22.2%	2.330	2.330	0	0.0%
23.5%	2.325	2.330	5	0.2%
24.7%	2.324	2.329	5	0.2%
25.9%	2.324	2.329	5	0.2%
27.2%	2.322	2.328	7	0.3%
28.4%	2.321	2.328	7	0.3%
29.6%	2.321	2.327	6	0.2%
30.9%	2.321	2.322	1	0.0%
32.1%	2.321	2.321	0	0.0%
33.3%	2.316	2.318	3	0.1%
34.6%	2.310	2.317	7	0.3%
35.8%	2.309	2.314	5	0.2%
37.0%	2.309	2.312	3	0.1%
38.3%	2.307	2.312	5	0.2%
39.5%	2.301	2.309	8	0.3%
40.7%	2.298	2.307	9	0.4%
42.0%	2.293	2.298	6	0.2%
43.2%	2.292	2.301	9	0.4%
44.4%	2.295	2.299	4	0.2%
45.7%	2.293	2.296	4	0.2%
46.9%	2.292	2.296	7	0.3%
48.1%	2.291	2.296	7	0.3%
49.4%	2.291	2.297	6	0.3%
50.6%	2.289	2.296	7	0.3%
51.9%	2.288	2.294	6	0.3%
53.1%	2.287	2.291	4	0.2%
54.3%	2.286	2.291	5	0.2%
55.6%	2.284	2.289	6	0.2%
56.8%	2.283	2.289	6	0.2%
58.0%	2.282	2.288	6	0.3%
59.3%	2.279	2.285	6	0.2%
60.5%	2.278	2.283	5	0.2%
61.7%	2.276	2.281	5	0.2%
63.0%	2.275	2.281	6	0.3%
64.2%	2.274	2.277	3	0.1%
65.4%	2.274	2.277	3	0.1%
66.7%	2.271	2.276	6	0.2%
67.9%	2.268	2.276	7	0.3%
69.1%	2.268	2.274	7	0.3%
70.4%	2.267	2.272	5	0.2%
71.6%	2.266	2.272	5	0.2%
72.8%	2.265	2.271	5	0.2%
74.1%	2.265	2.270	4	0.2%
75.3%	2.260	2.269	9	0.4%
76.5%	2.255	2.266	11	0.5%
77.8%	2.247	2.260	13	0.6%
79.0%	2.243	2.256	13	0.6%
80.2%	2.241	2.255	14	0.6%
81.5%	2.241	2.254	13	0.6%
82.7%	2.239	2.249	10	0.4%
84.0%	2.239	2.248	10	0.4%
85.2%	2.237	2.242	6	0.3%
86.4%	2.229	2.238	8	0.4%
87.7%	2.221	2.233	12	0.6%
88.9%	2.218	2.217	-1	0.0%
90.1%	2.215	2.216	1	0.1%
91.4%	2.199	2.202	4	0.2%
92.6%	2.197	2.199	1	0.1%
93.8%	2.176	2.181	5	0.2%
95.1%	2.153	2.172	19	0.9%
96.3%	2.143	2.168	25	1.2%
97.5%	2.131	2.162	30	1.4%
98.8%	2.120	2.160	40	1.9%
100.0%	2.103	2.143	40	1.9%

Percent Exceedance Probability (%)	December			
	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.332	2.332	0	0.0%
1.2%	2.332	2.332	0	0.0%
2.5%	2.332	2.332	0	0.0%
3.7%	2.332	2.332	0	0.0%
4.9%	2.332	2.332	0	0.0%
6.2%	2.332	2.332	0	0.0%
7.4%	2.332	2.332	0	0.0%
8.6%	2.332	2.332	0	0.0%
9.9%	2.332	2.332	0	0.0%
11.1%	2.332	2.332	0	0.0%
12.3%	2.332	2.332	0	0.0%
13.6%	2.332	2.332	0	0.0%
14.8%	2.332	2.332	0	0.0%
16.0%	2.332	2.332	0	0.0%
17.3%	2.332	2.332	0	0.0%
18.5%	2.332	2.332	0	0.0%
19.8%	2.332	2.332	0	0.0%
21.0%	2.332	2.332	0	0.0%
22.2%	2.331	2.332	1	0.1%
23.5%	2.331	2.332	1	0.1%
24.7%	2.329	2.332	3	0.1%
25.9%	2.327	2.332	5	0.2%
27.2%	2.326	2.331	5	0.2%
28.4%	2.325	2.328	6	0.2%
29.6%	2.325	2.330	5	0.2%
30.9%	2.324	2.330	5	0.2%
32.1%	2.324	2.328	4	0.2%
33.3%	2.324	2.328	3	0.1%
34.6%	2.324	2.327	3	0.1%
35.8%	2.324	2.328	4	0.2%
37.0%	2.323	2.322	-1	-0.1%
38.3%	2.318	2.321	3	0.1%
39.5%	2.317	2.320	3	0.1%
40.7%	2.309	2.315	6	0.2%
42.0%	2.309	2.314	5	0.2%
43.2%	2.309	2.314	5	0.2%
44.4%	2.308	2.313	5	0.2%
45.7%	2.306	2.311	5	0.2%
46.9%	2.301	2.306	5	0.2%
48.1%	2.297	2.302	6	0.3%
49.4%	2.295	2.302	8	0.3%
50.6%	2.294	2.299	5	0.2%
51.9%	2.293	2.299	6	0.2%
53.1%	2.293	2.297	4	0.2%
54.3%	2.290	2.297	7	0.3%
55.6%	2.289	2.297	8	0.3%
56.8%	2.288	2.294	5	0.2%
58.0%	2.287	2.293	6	0.2%
59.3%	2.287	2.290	3	0.1%
60.5%	2.287	2.290	3	0.1%
61.7%	2.285	2.290	4	0.2%
63.0%	2.285	2.288	3	0.1%
64.2%	2.281	2.286	4	0.2%
65.4%	2.280	2.285	6	0.3%
66.7%	2.278	2.285	7	0.3%
67.9%	2.278	2.283	6	0.3%
69.1%	2.274	2.281	8	0.3%
70.4%	2.273	2.280	7	0.3%
71.6%	2.270	2.277	7	0.3%
72.8%	2.268	2.277	9	0.4%
74.1%	2.267	2.275	8	0.4%
75.3%	2.265	2.272	7	0.3%
76.5%	2.256	2.271	14	0.6%
77.8%	2.253	2.269	16	0.7%
79.0%	2.253	2.262	9	0.4%
80.2%	2.249	2.262	13	0.6%
81.5%	2.248	2.255	7	0.3%
82.7%	2.243	2.255	12	0.6%
84.0%	2.243	2.248	6	0.3%
85.2%	2.234	2.246	12	0.5%
86.4%	2.228	2.236	8	0.4%
87.7%	2.223	2.231	8	0.4%
88.9%	2.219	2.223	4	0.2%
90.1%	2.215	2.215	1	0.1%
91.4%	2.199	2.204	5	0.2%
92.6%	2.196	2.202	6	0.3%
93.8%	2.178	2.199	21	1.0%
95.1%	2.174	2.183	9	0.4%
96.3%	2.152	2.173	21	1.0%
97.5%	2.151	2.164	13	0.6%
98.8%	2.133	2.159	26	1.2%
100.0%	2.118	2.151	32	1.5%

Percent Exceedance Probability (%)	January			
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Table SW-02-5b
Trinity Lake, End of Month Elevation
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.356	2.356	0	0.0%
1.2%	2.345	2.345	0	0.0%
2.5%	2.345	2.345	0	0.0%
3.7%	2.345	2.345	0	0.0%
4.9%	2.345	2.345	0	0.0%
6.2%	2.345	2.345	0	0.0%
7.4%	2.345	2.345	0	0.0%
8.6%	2.345	2.345	0	0.0%
9.9%	2.345	2.345	0	0.0%
11.1%	2.345	2.345	0	0.0%
12.3%	2.345	2.345	0	0.0%
13.6%	2.345	2.345	0	0.0%
14.8%	2.345	2.345	0	0.0%
16.0%	2.345	2.345	0	0.0%
17.3%	2.345	2.345	0	0.0%
18.5%	2.345	2.345	0	0.0%
19.8%	2.345	2.345	0	0.0%
21.0%	2.345	2.345	0	0.0%
22.2%	2.345	2.345	0	0.0%
23.5%	2.344	2.345	1	0.0%
24.7%	2.344	2.345	1	0.0%
25.9%	2.344	2.344	1	0.0%
27.2%	2.341	2.344	3	0.1%
28.4%	2.341	2.344	3	0.1%
29.6%	2.339	2.344	4	0.2%
30.9%	2.338	2.343	5	0.2%
32.1%	2.335	2.341	6	0.3%
33.3%	2.334	2.341	6	0.3%
34.6%	2.334	2.335	0	0.0%
35.8%	2.333	2.334	1	0.1%
37.0%	2.333	2.334	2	0.1%
38.3%	2.333	2.333	0	0.0%
39.5%	2.331	2.330	-1	0.0%
40.7%	2.330	2.329	-1	0.0%
42.0%	2.327	2.328	2	0.1%
43.2%	2.326	2.328	2	0.1%
44.4%	2.325	2.328	3	0.1%
45.7%	2.325	2.327	2	0.1%
46.9%	2.323	2.326	4	0.2%
48.1%	2.323	2.325	2	0.1%
49.4%	2.323	2.324	1	0.1%
50.6%	2.319	2.319	0	0.0%
51.9%	2.318	2.319	0	0.0%
53.1%	2.314	2.317	3	0.1%
54.3%	2.313	2.316	3	0.1%
55.6%	2.311	2.314	3	0.1%
56.8%	2.310	2.313	3	0.1%
58.0%	2.309	2.312	2	0.1%
59.3%	2.305	2.311	6	0.3%
60.5%	2.305	2.310	6	0.3%
61.7%	2.301	2.309	8	0.3%
63.0%	2.297	2.308	11	0.5%
64.2%	2.296	2.308	11	0.5%
65.4%	2.295	2.306	11	0.5%
66.7%	2.294	2.300	6	0.3%
67.9%	2.293	2.297	4	0.2%
69.1%	2.293	2.295	3	0.1%
70.4%	2.291	2.295	4	0.2%
71.6%	2.288	2.295	7	0.3%
72.8%	2.286	2.290	5	0.2%
74.1%	2.279	2.289	9	0.4%
75.3%	2.276	2.288	12	0.5%
76.5%	2.274	2.286	12	0.5%
77.8%	2.273	2.283	10	0.4%
79.0%	2.271	2.277	5	0.2%
80.2%	2.265	2.274	8	0.4%
81.5%	2.265	2.271	6	0.2%
82.7%	2.257	2.268	10	0.4%
84.0%	2.252	2.264	12	0.5%
85.2%	2.251	2.262	11	0.5%
86.4%	2.246	2.258	12	0.5%
87.7%	2.239	2.251	12	0.5%
88.9%	2.235	2.240	5	0.2%
90.1%	2.232	2.235	3	0.1%
91.4%	2.218	2.230	12	0.5%
92.6%	2.218	2.222	5	0.2%
93.8%	2.213	2.217	4	0.2%
95.1%	2.205	2.214	9	0.4%
96.3%	2.176	2.194	18	0.8%
97.5%	2.176	2.178	0	0.0%
98.8%	2.152	2.170	18	0.8%
100.0%	2.146	2.159	12	0.6%

Percent Exceedance Probability (%)	March			
	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.350	2.350	0	0.0%
1.2%	2.350	2.350	0	0.0%
2.5%	2.350	2.350	0	0.0%
3.7%	2.350	2.350	0	0.0%
4.9%	2.350	2.350	0	0.0%
6.2%	2.350	2.350	0	0.0%
7.4%	2.350	2.350	0	0.0%
8.6%	2.350	2.350	0	0.0%
9.9%	2.350	2.350	0	0.0%
11.1%	2.350	2.350	0	0.0%
12.3%	2.350	2.350	0	0.0%
13.6%	2.350	2.350	0	0.0%
14.8%	2.350	2.350	0	0.0%
16.0%	2.350	2.350	0	0.0%
17.3%	2.350	2.350	0	0.0%
18.5%	2.350	2.350	0	0.0%
19.8%	2.350	2.350	0	0.0%
21.0%	2.350	2.350	0	0.0%
22.2%	2.350	2.350	0	0.0%
23.5%	2.350	2.350	0	0.0%
24.7%	2.350	2.350	0	0.0%
25.9%	2.350	2.350	0	0.0%
27.2%	2.350	2.350	0	0.0%
28.4%	2.350	2.350	0	0.0%
29.6%	2.349	2.349	0	0.0%
30.9%	2.349	2.349	1	0.0%
32.1%	2.349	2.349	0	0.0%
33.3%	2.349	2.349	0	0.0%
34.6%	2.349	2.349	0	0.0%
35.8%	2.349	2.349	1	0.0%
37.0%	2.345	2.348	2	0.1%
38.3%	2.344	2.346	2	0.1%
39.5%	2.341	2.346	4	0.2%
40.7%	2.340	2.345	5	0.2%
42.0%	2.338	2.345	6	0.2%
43.2%	2.338	2.344	6	0.2%
44.4%	2.336	2.340	4	0.2%
45.7%	2.336	2.337	1	0.1%
46.9%	2.334	2.334	0	0.0%
48.1%	2.333	2.333	0	0.0%
49.4%	2.332	2.333	0	0.0%
50.6%	2.330	2.331	1	0.0%
51.9%	2.329	2.329	0	0.0%
53.1%	2.327	2.328	1	0.1%
54.3%	2.325	2.328	2	0.1%
55.6%	2.324	2.327	3	0.1%
56.8%	2.323	2.324	1	0.0%
58.0%	2.323	2.323	0	0.0%
59.3%	2.318	2.322	4	0.2%
60.5%	2.315	2.321	6	0.3%
61.7%	2.314	2.319	6	0.2%
63.0%	2.313	2.319	6	0.3%
64.2%	2.313	2.317	4	0.2%
65.4%	2.312	2.316	4	0.2%
66.7%	2.311	2.312	1	0.0%
67.9%	2.303	2.310	7	0.3%
69.1%	2.301	2.307	5	0.2%
70.4%	2.298	2.305	7	0.3%
71.6%	2.292	2.299	7	0.3%
72.8%	2.289	2.298	10	0.4%
74.1%	2.288	2.297	10	0.4%
75.3%	2.285	2.295	10	0.4%
76.5%	2.284	2.294	9	0.4%
77.8%	2.283	2.292	9	0.4%
79.0%	2.281	2.288	6	0.3%
80.2%	2.278	2.287	9	0.4%
81.5%	2.276	2.286	10	0.5%
82.7%	2.276	2.280	4	0.2%
84.0%	2.271	2.276	5	0.2%
85.2%	2.262	2.270	8	0.3%
86.4%	2.262	2.268	5	0.2%
87.7%	2.249	2.264	15	0.7%
88.9%	2.249	2.263	14	0.6%
90.1%	2.239	2.249	10	0.4%
91.4%	2.246	2.246	7	0.3%
92.6%	2.237	2.243	6	0.3%
93.8%	2.229	2.240	11	0.5%
95.1%	2.228	2.241	1	0.1%
96.3%	2.226	2.218	-8	-0.4%
97.5%	2.200	2.200	0	0.0%
98.8%	2.178	2.188	11	0.5%
100.0%	2.176	2.183	7	0.3%

Percent Exceedance Probability (%)	April			
	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2.361	2.361	0	0.0%
1.2%	2.361	2.361	0	0.0%
2.5%	2.361	2.361	0	0.0%
3.7%	2.361	2.361	0	0.0%
4.9%	2.361	2.361	0	0.0%
6.2%	2.361	2.361	0	0.0%
7.4%	2.361	2.361	0	0.0%
8.6%	2.361	2.361	0	0.0%
9.9%	2.361	2.361	0	0.0%
11.1%	2.360	2.361	1	0.0%
12.3%	2.360	2.360	0	0.0%
13.6%	2.360	2.360	0	0.0%
14.8%	2.360	2.360	0	0.0%
16.0%	2.360	2.360	0	0.0%
17.3%	2.359	2.360	0	0.0%
18.5%	2.359	2.359	0	0.0%
19.8%	2.359	2.359	0	0.0%
21.0%	2.359	2.359	0	0.0%
22.2%	2.359	2.359	0	0.0%
23.5%	2.358	2.359	1	0.1%
24.7%	2.357	2.359	1	0.1%
25.9%	2.357	2.358	1	0.1%
27.2%	2.357	2.358	1	0.1%
28.4%	2.357	2.357	1	0.0%
29.6%	2.357	2.357	1	0.0%
30.9%	2.356	2.357	1	0.0%
32.1%	2.356	2.357	1	0.0%
33.3%	2.356	2.357	1	0.0%
34.6%	2.355	2.356	1	0.0%
35.8%	2.355	2.356	1	0.0%
37.0%	2.354	2.355	2	0.1%
38.3%	2.353	2.354	1	0.0%
39.5%	2.353	2.354	1	0.0%
40.7%	2.351	2.354	2	0.1%
42.0%	2.350	2.352	2	0.1%
43.2%	2.350	2.351	0	0.0%
44.4%	2.348	2.350	2	0.1%
45.7%	2.348	2.350	2	0.1%
46.9%	2.348	2.350	2	0.1%
48.1%	2.346	2.348	4	0.2%
49.4%	2.345	2.348	4	0.2%
50.6%	2.343	2.344	2	0.1%
51.9%	2.342	2.341	-1	0.0%
53.1%	2.338	2.341	3	0.1%
54.3%	2.338	2.341	3	0.1%
55.6%	2.336	2.338	3	0.1%
56.8%	2.335	2.338	3	0.1%
58.0%	2.333	2.333	0	0.0%
59.3%	2.333	2.335	1	0.1%
60.5%	2.330	2.334	4	0.2%
61.7%	2.329	2.331	2	0.1%
63.0%	2.328	2.330	2	0.1%
64.2%	2.325	2.330	5	0.2%
65.4%	2.323	2.329	6	0.3%
66.7%	2.320	2.325	4	0.2%
67.9%	2.316	2.318	2	0.1%
69.1%	2.314	2.315	0	0.0%
70.4%	2.309	2.314	5	0.2%
71.6%	2.309	2.313	5	0.2%
72.8%	2.302	2.311	9	0.4%
74.1%	2.301	2.307	5	0.2%
75.3%	2.298	2.307	8	0.4%
76.5%	2.295	2.306	11	0.5%
77.8%	2.295	2.303	8	0.4%
79.0%	2.291	2.302	11	0.5%
80.2%	2.289	2.302	13	0.6%
81.5%	2.287	2.297	10	0.5%
82.7%	2.287	2.289	3	0.1%
84.0%	2.286	2.288	3	0.1%
85.2%	2.268	2.283	15	0.7%
86.4%	2.268	2.272	4	0.2%
87.7%	2.266	2.269	2	0.1%
88.9%	2.266	2.268	3	0.1%
90.1%	2.259	2.267	8	0.4%
91.4%	2.256	2.257	1	0.0%
92.6%	2.246	2.255	9	0.4%
93.8%	2.242	2.249	7	0.3%
95.1%	2.238	2.246	7	0.3%
96.3%	2.236	2.230	-6	-0.3%
97.5%	2.222	2.227	5	0.2%
98.8%	2.204	2.213	9	0.4%
100.0%	2.196	2.209	13	0.6%

Percent Exceedance Probability (%)	May			

Table SW-02-5b
Trinity Lake, End of Month Elevation
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	2.370	2.370	0	0.0%	
1.2%	2.370	2.370	0	0.0%	
2.5%	2.370	2.370	0	0.0%	
3.7%	2.370	2.370	0	0.0%	
4.9%	2.369	2.369	0	0.0%	
6.2%	2.369	2.369	0	0.0%	
7.4%	2.367	2.367	0	0.0%	
8.6%	2.367	2.367	0	0.0%	
9.9%	2.365	2.365	0	0.0%	
11.1%	2.364	2.364	0	0.0%	
12.3%	2.364	2.364	0	0.0%	
13.6%	2.363	2.363	0	0.0%	
14.8%	2.362	2.362	0	0.0%	
16.0%	2.361	2.361	0	0.0%	
17.3%	2.361	2.361	0	0.0%	
18.5%	2.360	2.361	1	0.0%	
19.8%	2.359	2.361	2	0.1%	
21.0%	2.359	2.360	1	0.0%	
22.2%	2.357	2.359	2	0.1%	
23.5%	2.356	2.359	3	0.1%	
24.7%	2.356	2.357	1	0.0%	
25.9%	2.356	2.356	0	0.0%	
27.2%	2.355	2.356	1	0.0%	
28.4%	2.353	2.355	2	0.1%	
29.6%	2.353	2.353	0	0.0%	
30.9%	2.352	2.352	0	0.0%	
32.1%	2.351	2.351	0	0.0%	
33.3%	2.351	2.351	0	0.0%	
34.6%	2.350	2.350	0	0.0%	
35.8%	2.349	2.350	1	0.0%	
37.0%	2.347	2.349	2	0.1%	
38.3%	2.346	2.349	3	0.1%	
39.5%	2.346	2.346	1	0.0%	
40.7%	2.341	2.346	5	0.2%	
42.0%	2.341	2.343	3	0.1%	
43.2%	2.338	2.342	4	0.2%	
44.4%	2.338	2.339	1	0.0%	
45.7%	2.336	2.338	2	0.1%	
46.9%	2.335	2.338	3	0.1%	
48.1%	2.334	2.338	3	0.1%	
49.4%	2.333	2.337	4	0.2%	
50.6%	2.331	2.337	5	0.2%	
51.9%	2.328	2.336	7	0.3%	
53.1%	2.327	2.330	3	0.1%	
54.3%	2.326	2.330	4	0.2%	
55.6%	2.326	2.329	3	0.1%	
56.8%	2.325	2.329	4	0.2%	
58.0%	2.323	2.328	5	0.2%	
59.3%	2.322	2.328	6	0.2%	
60.5%	2.320	2.326	6	0.2%	
61.7%	2.320	2.322	2	0.1%	
63.0%	2.318	2.321	3	0.1%	
64.2%	2.317	2.321	3	0.1%	
65.4%	2.315	2.317	2	0.1%	
66.7%	2.314	2.315	2	0.1%	
67.9%	2.314	2.314	0	0.0%	
69.1%	2.312	2.314	2	0.1%	
70.4%	2.309	2.313	5	0.2%	
71.6%	2.301	2.310	9	0.4%	
72.8%	2.300	2.309	10	0.4%	
74.1%	2.299	2.308	9	0.4%	
75.3%	2.297	2.305	8	0.3%	
76.5%	2.288	2.300	12	0.5%	
77.8%	2.284	2.295	10	0.4%	
79.0%	2.283	2.294	11	0.5%	
80.2%	2.281	2.291	10	0.4%	
81.5%	2.281	2.290	9	0.4%	
82.7%	2.281	2.286	6	0.3%	
84.0%	2.280	2.284	4	0.2%	
85.2%	2.274	2.282	7	0.3%	
86.4%	2.274	2.278	4	0.2%	
87.7%	2.265	2.270	6	0.2%	
88.9%	2.262	2.265	3	0.1%	
90.1%	2.256	2.256	0	0.0%	
91.4%	2.252	2.252	-1	0.0%	
92.6%	2.238	2.247	9	0.4%	
93.8%	2.234	2.244	10	0.4%	
95.1%	2.234	2.241	8	0.3%	
96.3%	2.229	2.228	-1	0.0%	
97.5%	2.228	2.224	-4	-0.2%	
98.8%	2.219	2.221	-1	0.1%	
100.0%	2.202	2.217	15	0.7%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	2.359	2.359	0	0.0%	
1.2%	2.359	2.359	0	0.0%	
2.5%	2.359	2.359	0	0.0%	
3.7%	2.359	2.359	0	0.0%	
4.9%	2.359	2.359	0	0.0%	
6.2%	2.359	2.359	0	0.0%	
7.4%	2.359	2.359	0	0.0%	
8.6%	2.359	2.359	0	0.0%	
9.9%	2.359	2.359	0	0.0%	
11.1%	2.359	2.359	0	0.0%	
12.3%	2.359	2.359	0	0.0%	
13.6%	2.358	2.359	2	0.1%	
14.8%	2.358	2.359	1	0.0%	
16.0%	2.357	2.358	0	0.0%	
17.3%	2.357	2.357	0	0.0%	
18.5%	2.357	2.357	0	0.0%	
19.8%	2.355	2.355	0	0.0%	
21.0%	2.354	2.354	0	0.0%	
22.2%	2.352	2.352	0	0.0%	
23.5%	2.350	2.351	2	0.1%	
24.7%	2.349	2.350	1	0.0%	
25.9%	2.349	2.349	0	0.0%	
27.2%	2.349	2.349	0	0.0%	
28.4%	2.346	2.349	3	0.1%	
29.6%	2.346	2.346	0	0.0%	
30.9%	2.344	2.344	0	0.0%	
32.1%	2.343	2.343	0	0.0%	
33.3%	2.342	2.342	0	0.0%	
34.6%	2.341	2.342	1	0.0%	
35.8%	2.339	2.341	2	0.1%	
37.0%	2.339	2.341	3	0.1%	
38.3%	2.336	2.341	5	0.2%	
39.5%	2.327	2.334	7	0.3%	
40.7%	2.327	2.333	6	0.3%	
42.0%	2.325	2.330	5	0.2%	
43.2%	2.323	2.326	3	0.1%	
44.4%	2.323	2.326	3	0.1%	
45.7%	2.323	2.326	3	0.1%	
46.9%	2.322	2.325	3	0.1%	
48.1%	2.322	2.325	3	0.1%	
49.4%	2.320	2.324	4	0.2%	
50.6%	2.319	2.324	5	0.2%	
51.9%	2.314	2.321	7	0.3%	
53.1%	2.313	2.320	7	0.3%	
54.3%	2.312	2.318	6	0.3%	
55.6%	2.310	2.318	7	0.3%	
56.8%	2.309	2.314	5	0.2%	
58.0%	2.308	2.311	3	0.1%	
59.3%	2.307	2.310	3	0.1%	
60.5%	2.307	2.310	3	0.1%	
61.7%	2.307	2.310	3	0.1%	
63.0%	2.306	2.310	4	0.2%	
64.2%	2.306	2.308	3	0.1%	
65.4%	2.303	2.306	3	0.1%	
66.7%	2.299	2.305	6	0.3%	
67.9%	2.299	2.303	4	0.2%	
69.1%	2.295	2.303	7	0.3%	
70.4%	2.295	2.300	6	0.2%	
71.6%	2.292	2.298	6	0.2%	
72.8%	2.290	2.297	7	0.3%	
74.1%	2.289	2.294	5	0.2%	
75.3%	2.287	2.294	8	0.3%	
76.5%	2.287	2.288	1	0.1%	
77.8%	2.270	2.282	12	0.5%	
79.0%	2.268	2.282	14	0.6%	
80.2%	2.267	2.279	12	0.5%	
81.5%	2.266	2.274	8	0.3%	
82.7%	2.265	2.273	8	0.3%	
84.0%	2.265	2.271	6	0.3%	
85.2%	2.263	2.268	5	0.2%	
86.4%	2.263	2.265	2	0.1%	
87.7%	2.253	2.261	8	0.4%	
88.9%	2.244	2.253	10	0.4%	
90.1%	2.238	2.244	6	0.3%	
91.4%	2.237	2.237	1	0.0%	
92.6%	2.223	2.234	11	0.5%	
93.8%	2.217	2.229	12	0.5%	
95.1%	2.213	2.225	12	0.6%	
96.3%	2.211	2.213	2	0.1%	
97.5%	2.208	2.211	5	0.2%	
98.8%	2.195	2.201	6	0.3%	
100.0%	2.191	2.193	2	0.1%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	2.353	2.353	0	0.0%	
1.2%	2.353	2.353	0	0.0%	
2.5%	2.353	2.353	0	0.0%	
3.7%	2.353	2.353	0	0.0%	
4.9%	2.353	2.353	0	0.0%	
6.2%	2.353	2.353	0	0.0%	
7.4%	2.353	2.353	0	0.0%	
8.6%	2.353	2.353	0	0.0%	
9.9%	2.353	2.353	0	0.0%	
11.1%	2.353	2.353	0	0.0%	
12.3%	2.353	2.353	0	0.0%	
13.6%	2.353	2.353	0	0.0%	
14.8%	2.352	2.353	1	0.1%	
16.0%	2.351	2.352	1	0.0%	
17.3%	2.350	2.351	1	0.0%	
18.5%	2.350	2.350	0	0.0%	
19.8%	2.348	2.349	1	0.0%	
21.0%	2.348	2.348	0	0.0%	
22.2%	2.347	2.345	-2	-0.1%	
23.5%	2.341	2.341	0	0.0%	
24.7%	2.341	2.341	1	0.0%	
25.9%	2.339	2.341	2	0.1%	
27.2%	2.336	2.339	3	0.1%	
28.4%	2.336	2.337	1	0.0%	
29.6%	2.334	2.336	2	0.1%	
30.9%	2.334	2.334	0	0.0%	
32.1%	2.331	2.334	3	0.1%	
33.3%	2.329	2.332	3	0.1%	
34.6%	2.329	2.332	3	0.1%	
35.8%	2.328	2.332	4	0.2%	
37.0%	2.326	2.331	5	0.2%	
38.3%	2.326	2.328	2	0.1%	
39.5%	2.314	2.322	7	0.3%	
40.7%	2.313	2.321	8	0.3%	
42.0%	2.310	2.320	10	0.4%	
43.2%	2.310	2.316	6	0.3%	
44.4%	2.310	2.314	4	0.2%	
45.7%	2.310	2.313	3	0.1%	
46.9%	2.307	2.313	6	0.2%	
48.1%	2.307	2.312	6	0.2%	
49.4%	2.304	2.312	8	0.3%	
50.6%	2.303	2.308	5	0.2%	
51.9%	2.302	2.307	5	0.2%	
53.1%	2.292	2.306	5	0.2%	
54.3%	2.299	2.305	6	0.3%	
55.6%	2.296	2.305	9	0.4%	
56.8%	2.295	2.301	6	0.3%	
58.0%	2.293	2.301	8	0.3%	
59.3%	2.293	2.298	5	0.2%	
60.5%	2.292	2.297	5	0.2%	
61.7%	2.292	2.295	4	0.2%	
63.0%	2.292	2.295	3	0.1%	
64.2%	2.288	2.295	6	0.3%	
65.4%	2.288	2.294	6	0.3%	
66.7%	2.286	2.294	7	0.3%	
67.9%	2.280	2.290	10	0.5%	
69.1%	2.280	2.289	9	0.4%	
70.4%	2.280	2.287	7	0.3%	
71.6%	2.278	2.286	8	0.4%	
72.8%	2.277	2.282	5	0.2%	
74.1%	2.274	2.280	6	0.3%	
75.3%	2.274	2.276	2	0.1%	
76.5%	2.273	2.275	2	0.1%	
77.8%	2.262	2.269	8	0.3%	
79.0%	2.259	2.264	5	0.2%	

Table SW-03-5a
Trinity Lake, End of Month Area

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term Average and Average by Water Year Type												
Long-term												
Full Simulation Period¹												
No Action Alternative	10,581	10,636	10,934	11,292	11,868	12,506	13,219	13,188	13,021	12,336	11,594	10,955
Alternative B	10,877	10,949	11,225	11,555	12,107	12,705	13,401	13,373	13,212	12,554	11,867	11,210
Difference	296	313	291	264	240	199	182	185	192	218	273	255
Percent Difference ³	2.8%	2.9%	2.7%	2.3%	2.0%	1.6%	1.4%	1.4%	1.5%	1.8%	2.4%	2.3%
Water Year Types²												
Wet (32%)												
No Action Alternative	13,066	13,111	13,189	13,116	13,890	14,492	15,217	15,354	15,255	14,731	14,217	13,571
Alternative B	13,140	13,182	13,254	13,278	14,007	14,553	15,271	15,406	15,312	14,784	14,265	13,619
Difference	74	71	65	162	117	61	54	52	57	54	49	47
Percent Difference	0.6%	0.5%	0.5%	1.2%	0.8%	0.4%	0.4%	0.3%	0.4%	0.4%	0.3%	0.3%
Above Normal (15%)												
No Action Alternative	12,030	11,996	12,141	11,743	12,535	13,417	14,186	14,238	14,126	13,593	12,953	12,283
Alternative B	12,355	12,358	12,503	12,106	12,881	13,724	14,480	14,523	14,414	13,895	13,298	12,660
Difference	326	362	363	363	345	307	294	285	288	302	345	377
Percent Difference	2.7%	3.0%	3.0%	3.1%	2.8%	2.3%	2.1%	2.0%	2.0%	2.2%	2.7%	3.1%
Below Normal (17%)												
No Action Alternative	10,252	10,431	10,888	10,695	11,114	11,631	12,559	12,516	12,317	11,649	10,936	10,351
Alternative B	10,559	10,747	11,154	10,942	11,346	11,845	12,753	12,709	12,528	11,897	11,237	10,684
Difference	307	316	266	247	232	214	194	192	210	248	300	333
Percent Difference	3.0%	3.0%	2.4%	2.3%	2.1%	1.8%	1.5%	1.5%	1.7%	2.1%	2.7%	3.2%
Dry (22%)												
No Action Alternative	9,321	9,378	9,988	10,792	11,262	11,992	12,698	12,453	12,158	11,341	10,382	9,716
Alternative B	9,686	9,773	10,370	11,097	11,548	12,222	12,898	12,673	12,393	11,561	10,700	10,018
Difference	366	396	382	304	286	231	200	220	235	220	317	302
Percent Difference	3.9%	4.2%	3.8%	2.8%	2.5%	1.9%	1.6%	1.8%	1.9%	1.9%	3.1%	3.1%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	6,332	6,605	6,987	9,476	9,333	9,188	8,183	7,137	6,522
Alternative B	6,655	6,700	6,917	6,675	6,943	9,409	9,782	9,646	9,488	8,639	7,724	6,943
Difference	632	660	605	343	338	322	306	313	301	456	587	421
Percent Difference	10.5%	10.9%	9.6%	4.1%	3.9%	3.5%	3.2%	3.4%	3.3%	5.6%	8.2%	6.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

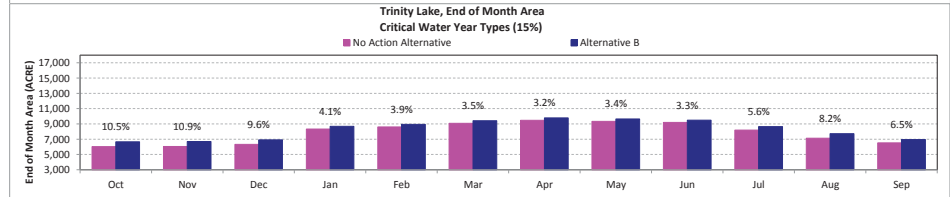
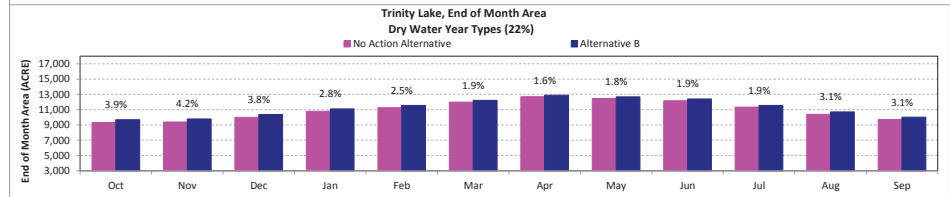
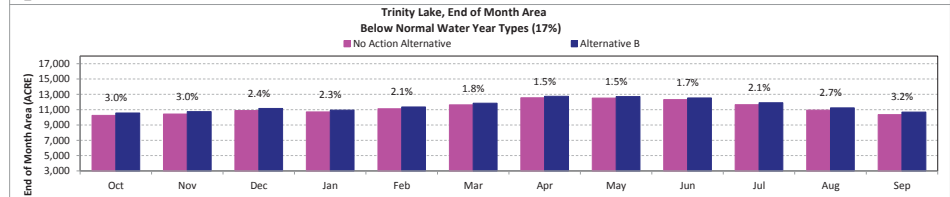
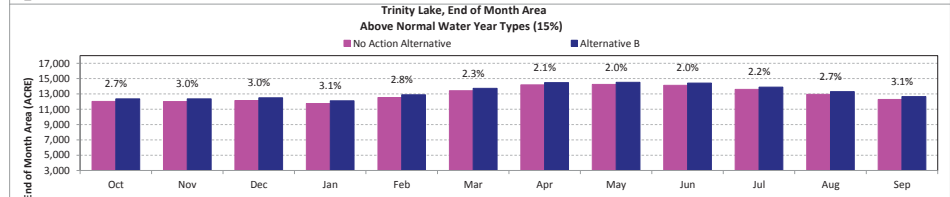
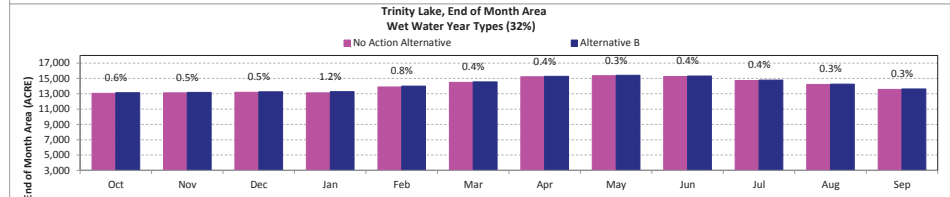
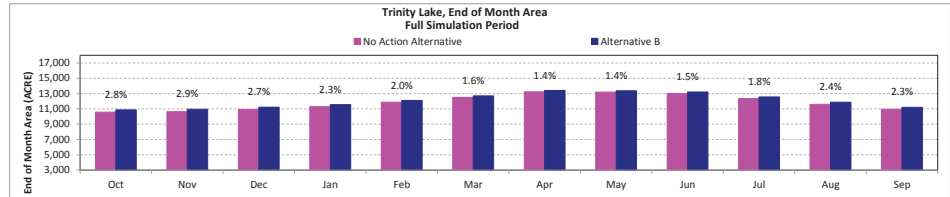


Figure SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

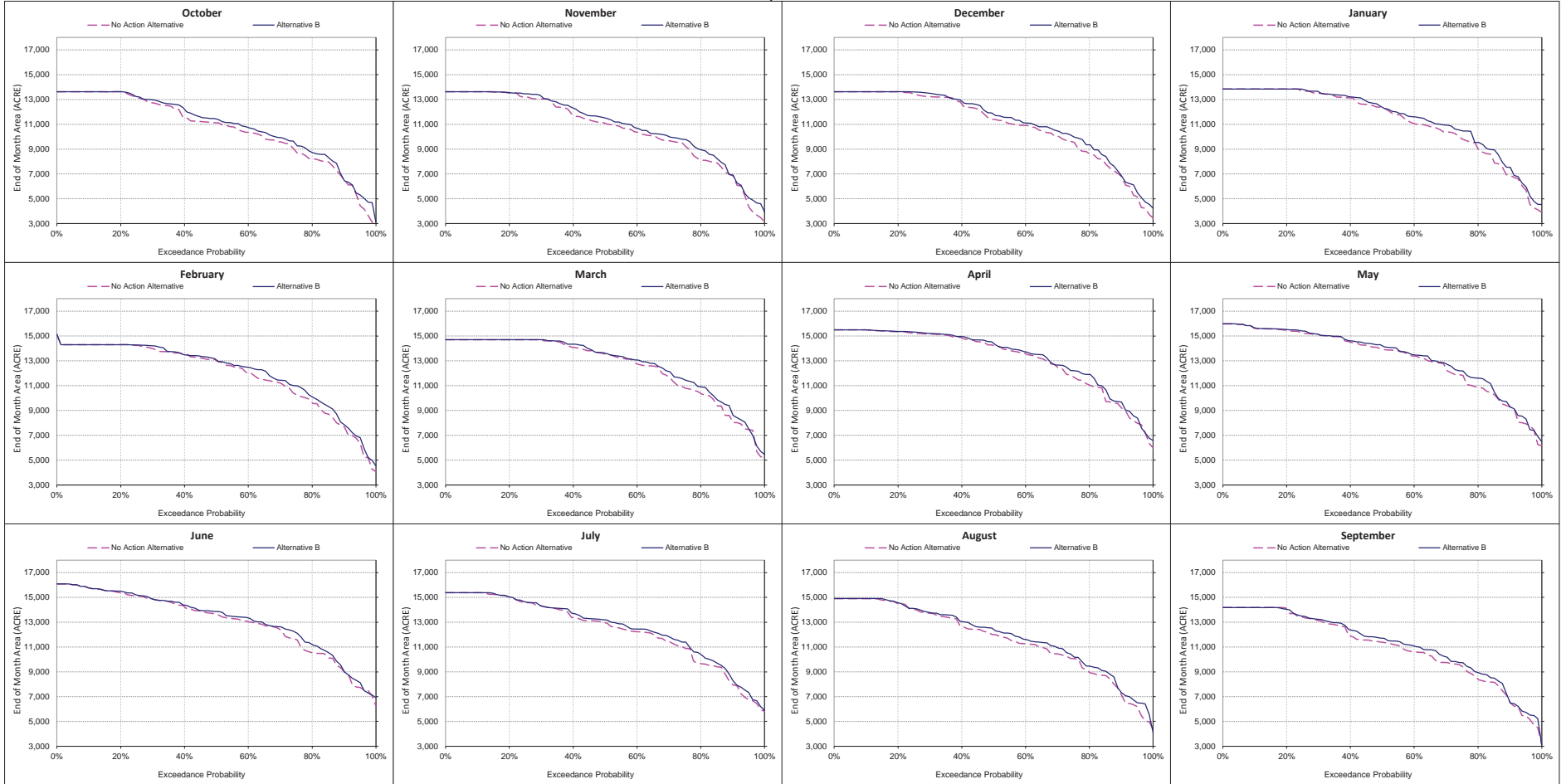


Table SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	October			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,625	13,625	0	0.0%
22.2%	13,433	13,637	104	0.8%
23.5%	13,316	13,433	117	0.9%
24.7%	13,198	13,233	34	0.3%
25.9%	13,095	13,192	97	0.7%
27.2%	13,015	13,031	16	0.1%
28.4%	12,826	13,008	182	1.4%
29.6%	12,735	12,978	243	1.9%
30.9%	12,689	12,946	258	2.0%
32.1%	12,584	12,831	246	2.0%
33.3%	12,522	12,722	200	1.6%
34.6%	12,513	12,671	158	1.3%
35.8%	12,455	12,647	192	1.5%
37.0%	12,208	12,603	395	3.2%
38.3%	12,186	12,547	361	3.0%
39.5%	11,561	12,341	781	6.8%
40.7%	11,512	12,008	496	4.3%
42.0%	11,274	11,889	615	5.5%
43.2%	11,257	11,754	497	4.4%
44.4%	11,243	11,646	403	3.6%
45.7%	11,209	11,522	313	2.8%
46.9%	11,188	11,512	324	2.9%
48.1%	11,159	11,472	313	2.8%
49.4%	11,129	11,471	343	3.1%
50.6%	11,119	11,377	258	2.3%
51.9%	10,941	11,202	261	2.4%
53.1%	10,897	11,149	252	2.3%
54.3%	10,807	11,141	334	3.1%
55.6%	10,780	11,064	284	2.6%
56.8%	10,560	11,062	502	4.8%
58.0%	10,448	10,875	427	4.1%
59.3%	10,357	10,801	443	4.3%
60.5%	10,355	10,685	330	3.2%
61.7%	10,290	10,641	351	3.4%
63.0%	10,214	10,452	239	2.3%
64.2%	10,075	10,390	316	3.1%
65.4%	9,799	10,322	524	5.3%
66.7%	9,746	10,147	401	4.1%
67.9%	9,736	10,023	287	2.9%
69.1%	9,601	9,941	340	3.5%
70.4%	9,570	9,921	351	3.7%
71.6%	9,472	9,813	341	3.6%
72.8%	9,431	9,667	236	2.5%
74.1%	9,054	9,805	754	8.3%
75.3%	8,699	9,267	568	6.5%
76.5%	8,558	9,238	680	7.9%
77.8%	8,507	9,120	613	7.2%
79.0%	8,242	8,862	619	7.5%
80.2%	8,231	8,709	477	5.8%
81.5%	8,169	8,611	443	5.4%
82.7%	8,058	8,581	523	6.5%
84.0%	7,986	8,479	493	6.2%
85.2%	7,965	8,318	353	4.4%
86.4%	7,642	8,038	396	5.2%
87.7%	7,259	7,841	582	8.0%
88.9%	6,913	7,018	105	1.5%
90.1%	6,453	6,452	-31	-0.5%
91.4%	6,120	6,205	85	1.4%
92.6%	6,101	6,124	23	0.4%
93.8%	5,334	5,471	137	2.6%
95.1%	4,426	5,308	881	19.9%
96.3%	4,168	5,013	846	20.3%
97.5%	3,652	4,713	1,061	29.1%
98.8%	3,120	4,687	1,567	50.2%
100.0%	3,120	3,942	0	0.0%

Percent Exceedance Probability (%)	November			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,609	-16	-0.1%
16.0%	13,604	13,604	0	0.0%
17.3%	13,596	13,596	0	0.0%
18.5%	13,579	13,579	0	0.0%
19.8%	13,525	13,566	40	0.3%
21.0%	13,525	13,530	5	0.0%
22.2%	13,512	13,545	33	0.2%
23.5%	13,242	13,516	273	2.1%
24.7%	13,192	13,461	269	2.0%
25.9%	13,188	13,461	272	2.1%
27.2%	13,070	13,423	353	2.7%
28.4%	13,049	13,413	364	2.8%
29.6%	13,047	13,345	297	2.3%
30.9%	13,041	13,074	34	0.3%
32.1%	13,037	13,034	-3	0.0%
33.3%	12,746	12,884	138	1.1%
34.6%	12,406	12,821	415	3.3%
35.8%	12,369	12,673	304	2.5%
37.0%	12,344	12,558	214	1.7%
38.3%	12,237	12,545	308	2.5%
39.5%	11,839	12,370	532	4.5%
40.7%	11,648	12,241	593	5.1%
42.0%	11,625	11,999	375	3.2%
43.2%	11,554	11,476	-78	-0.7%
44.4%	11,422	11,715	293	2.6%
45.7%	11,296	11,685	389	3.4%
46.9%	11,214	11,670	455	4.1%
48.1%	11,152	11,615	462	4.1%
49.4%	11,137	11,550	413	3.7%
50.6%	11,023	11,469	445	4.0%
51.9%	10,970	11,363	393	3.6%
53.1%	10,910	11,192	282	2.6%
54.3%	10,861	11,189	328	3.0%
55.6%	10,698	11,057	359	3.5%
56.8%	10,669	11,013	344	3.2%
58.0%	10,585	10,971	386	3.6%
59.3%	10,396	10,746	351	3.4%
60.5%	10,347	10,646	299	2.9%
61.7%	10,202	10,500	298	2.9%
63.0%	10,123	10,497	374	3.7%
64.2%	10,089	10,259	170	1.7%
65.4%	10,075	10,237	162	1.6%
66.7%	9,874	10,218	344	3.5%
67.9%	9,737	10,182	444	4.6%
69.1%	9,707	10,110	403	4.2%
70.4%	9,663	9,970	308	3.2%
71.6%	9,598	9,929	330	3.4%
72.8%	9,542	9,880	339	3.5%
74.1%	9,539	9,805	266	2.8%
75.3%	9,203	9,777	573	6.2%
76.5%	8,953	9,597	644	7.2%
77.8%	8,470	9,230	760	9.0%
79.0%	8,245	9,017	773	9.4%
80.2%	8,103	8,934	830	10.2%
81.5%	8,101	8,846	745	9.2%
82.7%	8,011	8,583	573	7.2%
84.0%	7,943	8,510	567	7.1%
85.2%	7,882	8,203	321	4.1%
86.4%	7,546	7,942	396	5.3%
87.7%	7,155	7,737	582	8.1%
88.9%	6,983	6,952	-31	-0.4%
90.1%	6,640	6,904	264	0.9%
91.4%	6,081	6,264	183	3.0%
92.6%	6,031	6,086	55	0.9%
93.8%	5,218	5,398	181	3.5%
95.1%	4,329	5,065	737	17.0%
96.3%	3,940	4,898	958	24.3%
97.5%	3,686	4,658	972	26.4%
98.8%	3,471	4,596	1,125	32.4%
100.0%	3,120	3,942	822	26.3%

Percent Exceedance Probability (%)	December			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,613	13,625	12	0.1%
22.2%	13,560	13,625	65	0.5%
23.5%	13,555	13,625	70	0.5%
24.7%	13,478	13,625	147	1.1%
25.9%	13,373	13,613	240	1.8%
27.2%	13,304	13,567	263	2.0%
28.4%	13,254	13,560	306	2.3%
29.6%	13,234	13,502	268	2.0%
30.9%	13,214	13,483	269	2.0%
32.1%	13,198	13,419	221	1.7%
33.3%	13,195	13,375	180	1.4%
34.6%	13,174	13,351	178	1.3%
35.8%	13,168	13,173	5	0.0%
37.0%	13,130	13,060	-71	-0.5%
38.3%	12,884	13,031	148	1.1%
39.5%	12,808	12,966	157	1.2%
40.7%	12,394	12,714	319	2.6%
42.0%	12,383	12,665	283	2.3%
43.2%	12,339	12,663	324	2.6%
44.4%	12,282	12,597	315	2.6%
45.7%	12,147	12,505	357	2.9%
46.9%	11,843	12,146	304	2.6%
48.1%	11,541	11,926	385	3.3%
49.4%	11,401	11,908	507	4.4%
50.6%	11,375	11,696	321	2.8%
51.9%	11,307	11,681	374	3.3%
53.1%	11,298	11,568	271	2.4%
54.3%	11,099	11,551	452	4.1%
55.6%	11,025	11,548	523	4.7%
56.8%	10,992	11,338	346	3.2%
58.0%	10,927	11,307	380	3.5%
59.3%	10,917	11,113	196	1.8%
60.5%	10,917	11,095	178	1.6%
61.7%	10,788	11,085	297	2.8%
63.0%	10,747	10,960	213	2.0%
64.2%	10,536	10,804	268	2.5%
65.4%	10,427	10,797	370	3.5%
66.7%	10,329	10,796	467	4.5%
67.9%	10,306	10,669	363	3.5%
69.1%	10,056	10,524	469	4.7%
70.4%	10,018	10,442	424	4.2%
71.6%	9,816	10,262	446	4.5%
72.8%	9,690	10,260	569	5.9%
74.1%	9,643	10,140	498	5.2%
75.3%	9,535	9,976	441	4.6%
76.5%	9,104	9,876	862	9.6%
77.8%	8,835	9,779	944	10.7%
79.0%	8,798	9,352	554	6.3%
80.2%	8,590	9,350	760	8.8%
81.5%	8,519	8,933	414	4.9%
82.7%	8,212	8,933	722	8.8%
84.0%	8,211	8,549	339	4.1%
85.2%	7,777	8,406	629	8.1%

Table SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	February			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	15,133	0	0.0%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,300	0	0.0%
23.5%	14,259	14,300	41	0.3%
24.7%	14,244	14,300	56	0.4%
25.9%	14,232	14,259	27	0.2%
27.2%	14,106	14,253	147	1.0%
28.4%	14,096	14,244	148	1.1%
29.6%	14,006	14,232	226	1.6%
30.9%	13,913	14,182	269	1.9%
32.1%	13,758	14,100	342	2.5%
33.3%	13,742	14,064	322	2.3%
34.6%	13,739	13,763	24	0.2%
35.8%	13,683	13,739	75	0.6%
37.0%	13,640	13,722	82	0.6%
38.3%	13,640	13,648	8	0.1%
39.5%	13,566	13,510	-56	-0.4%
40.7%	13,524	13,466	-58	-0.4%
42.0%	13,330	13,426	96	0.7%
43.2%	13,300	13,424	125	0.9%
44.4%	13,245	13,397	152	1.1%
45.7%	13,224	13,329	105	0.8%
46.9%	13,126	13,313	187	1.4%
48.1%	13,118	13,249	131	1.0%
49.4%	13,116	13,185	70	0.5%
50.6%	12,922	12,942	21	0.2%
51.9%	12,884	12,922	38	0.3%
53.1%	12,636	12,818	183	1.4%
54.3%	12,628	12,769	141	1.1%
55.6%	12,504	12,638	133	1.1%
56.8%	12,457	12,630	173	1.4%
58.0%	12,389	12,543	155	1.3%
59.3%	12,071	12,492	421	3.5%
60.5%	12,069	12,466	397	3.3%
61.7%	11,834	12,360	526	4.4%
63.0%	11,593	12,294	701	6.1%
64.2%	11,532	12,292	759	6.6%
65.4%	11,450	12,156	707	6.2%
66.7%	11,395	11,792	397	3.5%
67.9%	11,320	11,592	272	2.4%
69.1%	11,288	11,456	168	1.5%
70.4%	11,174	11,438	265	2.4%
71.6%	10,937	11,409	472	4.3%
72.8%	10,803	11,113	310	2.9%
74.1%	10,409	11,001	592	5.7%
75.3%	10,218	10,973	755	7.4%
76.5%	10,112	10,837	725	7.2%
77.8%	10,031	10,619	588	5.9%
79.0%	9,924	10,256	332	3.3%
80.2%	9,554	10,066	512	5.4%
81.5%	9,551	9,895	344	3.6%
82.7%	9,074	9,680	606	6.7%
84.0%	8,780	9,387	706	8.0%
85.2%	8,698	9,315	617	7.1%
86.4%	8,428	9,119	690	8.2%
87.7%	8,004	8,714	710	8.9%
88.9%	7,824	8,067	243	3.1%
90.1%	7,672	7,828	156	2.0%
91.4%	6,985	7,582	597	8.6%
92.6%	6,880	7,207	227	3.3%
93.8%	6,747	6,944	198	2.9%
95.1%	6,362	6,811	449	7.1%
96.3%	5,226	5,915	689	13.2%
97.5%	5,207	5,212	5	0.1%
98.8%	4,282	4,965	683	16.0%
100.0%	4,070	4,549	479	11.8%

Percent Exceedance Probability (%)	March			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,700	14,700	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,700	0	0.0%
27.2%	14,700	14,700	0	0.0%
28.4%	14,700	14,700	0	0.0%
29.6%	14,700	14,700	0	0.0%
30.9%	14,614	14,700	86	0.6%
32.1%	14,611	14,615	4	0.0%
33.3%	14,606	14,614	8	0.1%
34.6%	14,577	14,605	28	0.2%
35.8%	14,516	14,597	81	0.6%
37.0%	14,332	14,516	184	1.3%
38.3%	14,224	14,348	123	0.9%
39.5%	14,096	14,339	243	1.7%
40.7%	14,056	14,334	278	2.0%
42.0%	13,998	14,277	279	2.0%
43.2%	13,918	14,224	307	2.2%
44.4%	13,817	14,019	202	1.5%
45.7%	13,815	13,882	67	0.5%
46.9%	13,701	13,695	-6	0.0%
48.1%	13,649	13,689	20	0.1%
49.4%	13,587	13,647	61	0.4%
50.6%	13,516	13,569	52	0.4%
51.9%	13,468	13,473	6	0.0%
53.1%	13,345	13,419	74	0.6%
54.3%	13,265	13,374	109	0.8%
55.6%	13,191	13,340	149	1.1%
56.8%	13,139	13,179	40	0.3%
58.0%	13,134	13,139	5	0.0%
59.3%	12,858	13,069	211	1.6%
60.5%	12,706	13,048	342	2.7%
61.7%	12,633	12,934	301	2.4%
63.0%	12,600	12,806	306	2.4%
64.2%	12,596	12,806	210	1.7%
65.4%	12,567	12,776	209	1.7%
66.7%	12,508	12,560	52	0.4%
67.9%	11,969	12,432	463	3.9%
69.1%	11,844	12,210	366	3.1%
70.4%	11,623	12,107	484	4.2%
71.6%	11,266	11,712	446	4.0%
72.8%	11,005	11,660	655	6.0%
74.1%	10,946	11,589	643	5.9%
75.3%	10,781	11,421	640	5.9%
76.5%	10,722	11,336	614	5.7%
77.8%	10,641	11,255	614	5.8%
79.0%	10,530	10,938	409	3.9%
80.2%	10,333	10,899	566	5.5%
81.5%	10,216	10,859	643	6.3%
82.7%	10,186	10,458	273	2.7%
84.0%	9,877	10,195	318	3.2%
85.2%	9,370	9,848	478	5.1%
86.4%	9,368	9,684	316	3.4%
87.7%	8,606	9,480	874	10.2%
88.9%	8,604	9,400	797	9.3%
90.1%	8,028	8,608	580	7.2%
91.4%	8,018	8,416	398	5.0%
92.6%	7,916	8,237	321	4.1%
93.8%	7,517	8,056	538	7.2%
95.1%	7,460	7,524	64	0.9%
96.3%	7,397	7,006	-392	-5.3%
97.5%	6,156	6,688	469	8.2%
98.8%	5,272	5,693	421	8.0%
100.0%	5,206	5,471	266	5.1%

Percent Exceedance Probability (%)	April			
	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,459	15,500	41	0.3%
12.3%	15,433	15,453	20	0.1%
13.6%	15,433	15,433	0	0.0%
14.8%	15,412	15,427	15	0.1%
16.0%	15,402	15,412	10	0.1%
17.3%	15,375	15,402	27	0.2%
18.5%	15,363	15,387	25	0.2%
19.8%	15,353	15,369	16	0.1%
21.0%	15,345	15,364	19	0.1%
22.2%	15,336	15,363	27	0.2%
23.5%	15,285	15,354	69	0.6%
24.7%	15,235	15,330	95	0.6%
25.9%	15,203	15,299	96	0.6%
27.2%	15,199	15,286	87	0.6%
28.4%	15,173	15,235	62	0.4%
29.6%	15,170	15,215	44	0.3%
30.9%	15,155	15,190	35	0.2%
32.1%	15,132	15,173	42	0.3%
33.3%	15,121	15,170	49	0.3%
34.6%	15,064	15,139	75	0.5%
35.8%	15,061	15,121	60	0.4%
37.0%	14,946	15,064	118	0.8%
38.3%	14,913	14,970	57	0.4%
39.5%	14,896	14,970	73	0.5%
40.7%	14,766	14,946	179	1.2%
42.0%	14,705	14,827	121	0.8%
43.2%	14,681	14,713	31	0.2%
44.4%	14,552	14,688	136	0.9%
45.7%	14,534	14,676	142	1.0%
46.9%	14,509	14,667	158	1.1%
48.1%	14,287	14,557	271	1.9%
49.4%	14,277	14,534	257	1.8%
50.6%	14,176	14,271	96	0.7%
51.9%	14,153	14,111	-42	-0.3%
53.1%	13,932	14,079	146	1.1%
54.3%	13,908	14,075	167	1.2%
55.6%	13,802	13,861	59	0.4%
56.8%	13,753	13,923	170	1.2%
58.0%	13,688	13,867	179	1.3%
59.3%	13,679	13,757	79	0.6%
60.5%	13,505	13,698	193	1.4%
61.7%	13,452	13,581	129	1.0%
63.0%	13,391	13,521	130	1.0%
64.2%	13,226	13,505	279	2.1%
65.4%	13,146	13,478	332	2.5%
66.7%	12,981	13,219	238	1.8%
67.9%	12,829	12,879	110	0.9%
69.1%	12,684	12,689	5	0.0%
70.4%	12,397	12,661	264	2.1%
71.6%	12,336	12,622	286	2.3%
72.8%	11,915	12,487	571	4.8%
74.1%	11,858	12,224	366	3.1%
75.3%	11,653	12,209	556	4.8%
76.5%	11,463	12,167	704	6.1%
77.8%	11,410	11,964	554	4.9%
79.0%	11,163	11,909	746	6.7%
80.2%	11,020	11,906	886	8.0%
81.5%	10,903	11,592	688	6.3%
82.7%	10,875	11,044	169	1.6%
84.0%	10,808	10,985	177	1.6%
85.2%	9,716	10,658	942	9.

Table SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%
1.2%	16,088	16,088	0	0.0%
2.5%	16,088	16,088	0	0.0%
3.7%	16,088	16,088	0	0.0%
4.9%	16,026	16,026	0	0.0%
6.2%	16,021	16,021	0	0.0%
7.4%	15,903	15,903	0	0.0%
8.6%	15,888	15,888	0	0.0%
9.9%	15,770	15,770	0	0.0%
11.1%	15,710	15,704	-6	0.0%
12.3%	15,696	15,703	7	0.0%
13.6%	15,661	15,661	0	0.0%
14.8%	15,559	15,578	19	0.1%
16.0%	15,518	15,529	11	0.1%
17.3%	15,516	15,527	11	0.1%
18.5%	15,438	15,516	78	0.5%
19.8%	15,372	15,512	140	0.9%
21.0%	15,358	15,445	87	0.6%
22.2%	15,203	15,464	162	1.1%
23.5%	15,157	15,352	195	1.3%
24.7%	15,146	15,203	57	0.4%
25.9%	15,116	15,147	31	0.2%
27.2%	15,049	15,116	66	0.4%
28.4%	14,919	15,049	130	0.9%
29.6%	14,904	14,938	34	0.2%
30.9%	14,797	14,797	0	0.0%
32.1%	14,755	14,755	0	0.0%
33.3%	14,751	14,751	0	0.0%
34.6%	14,700	14,700	0	0.0%
35.8%	14,594	14,690	96	0.7%
37.0%	14,472	14,617	145	1.0%
38.3%	14,371	14,606	235	1.6%
39.5%	14,349	14,405	56	0.4%
40.7%	14,075	14,352	276	2.0%
42.0%	14,062	14,204	142	1.0%
43.2%	13,932	14,132	200	1.4%
44.4%	13,926	13,967	41	0.3%
45.7%	13,833	13,932	99	0.7%
46.9%	13,765	13,926	161	1.2%
48.1%	13,735	13,908	173	1.3%
49.4%	13,667	13,868	201	1.5%
50.6%	13,579	13,851	271	2.0%
51.9%	13,425	13,800	375	2.8%
53.1%	13,351	13,520	168	1.3%
54.3%	13,309	13,501	192	1.4%
55.6%	13,276	13,448	172	1.3%
56.8%	13,243	13,441	198	1.5%
58.0%	13,124	13,404	280	2.1%
59.3%	13,092	13,393	302	2.3%
60.5%	13,000	13,293	292	2.2%
61.7%	12,971	13,084	113	0.9%
63.0%	12,895	13,031	136	1.1%
64.2%	12,836	13,017	181	1.4%
65.4%	12,703	12,813	110	0.9%
66.7%	12,641	12,727	86	0.7%
67.9%	12,636	12,654	17	0.1%
69.1%	12,535	12,634	98	0.8%
70.4%	12,334	12,613	279	2.3%
71.6%	11,841	12,446	604	5.1%
72.8%	11,738	12,393	655	5.6%
74.1%	11,684	12,270	586	5.0%
75.3%	11,574	12,101	527	4.6%
76.5%	10,959	11,773	814	7.4%
77.8%	10,726	11,406	681	6.3%
79.0%	10,616	11,365	748	7.0%
80.2%	10,516	11,169	653	6.2%
81.5%	10,490	11,069	579	5.5%
82.7%	10,488	10,861	373	3.6%
84.0%	10,447	10,705	259	2.5%
85.2%	10,105	10,548	442	4.4%
86.4%	10,100	10,318	218	2.2%
87.7%	9,509	9,857	348	3.7%
88.9%	9,344	9,549	205	2.2%
90.1%	8,978	8,978	0	0.0%
91.4%	8,770	8,739	-31	-0.4%
92.6%	7,969	8,494	525	6.6%
93.8%	7,779	8,309	530	6.8%
95.1%	7,741	8,129	388	5.0%
96.3%	7,515	7,486	-29	-0.4%
97.5%	7,482	7,291	-190	-2.6%
98.8%	7,064	7,127	64	0.9%
100.0%	6,233	6,934	701	11.2%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	15,380	15,380	0	0.0%
3.7%	15,380	15,380	0	0.0%
4.9%	15,380	15,380	0	0.0%
6.2%	15,380	15,380	0	0.0%
7.4%	15,380	15,380	0	0.0%
8.6%	15,380	15,380	0	0.0%
9.9%	15,380	15,380	0	0.0%
11.1%	15,380	15,380	0	0.0%
12.3%	15,344	15,380	36	0.2%
13.6%	15,254	15,375	121	0.8%
14.8%	15,241	15,327	85	0.6%
16.0%	15,232	15,239	7	0.0%
17.3%	15,174	15,168	-6	0.0%
18.5%	15,165	15,165	0	0.0%
19.8%	15,047	15,041	-6	0.0%
21.0%	14,994	14,994	0	0.0%
22.2%	14,799	14,793	-6	0.0%
23.5%	14,659	14,786	126	0.9%
24.7%	14,585	14,659	75	0.5%
25.9%	14,569	14,585	16	0.1%
27.2%	14,568	14,570	2	0.0%
28.4%	14,354	14,568	214	1.5%
29.6%	14,342	14,348	6	0.0%
30.9%	14,250	14,250	0	0.0%
32.1%	14,198	14,198	0	0.0%
33.3%	14,139	14,140	2	0.0%
34.6%	14,100	14,139	38	0.3%
35.8%	13,950	14,107	117	0.8%
37.0%	13,968	14,100	133	0.9%
38.3%	13,807	14,075	268	1.9%
39.5%	13,711	13,740	368	2.8%
40.7%	13,357	13,666	309	2.3%
42.0%	13,260	13,543	283	2.1%
43.2%	13,139	13,515	176	1.3%
44.4%	13,118	13,297	179	1.4%
45.7%	13,115	13,277	163	1.2%
46.9%	13,105	13,260	155	1.2%
48.1%	13,076	13,237	161	1.2%
49.4%	12,974	13,198	223	1.7%
50.6%	12,927	13,174	247	1.9%
51.9%	12,654	13,009	355	2.8%
53.1%	12,613	12,959	345	2.7%
54.3%	12,545	12,877	332	2.6%
55.6%	12,449	12,851	402	3.2%
56.8%	12,377	12,666	289	2.3%
58.0%	12,287	12,474	187	1.5%
59.3%	12,241	12,448	208	1.7%
60.5%	12,224	12,446	223	1.8%
61.7%	12,213	12,441	228	1.9%
63.0%	12,167	12,418	252	2.1%
64.2%	12,136	12,307	171	1.4%
65.4%	11,978	12,181	204	1.7%
66.7%	11,714	12,114	400	3.4%
67.9%	11,692	11,960	268	2.3%
69.1%	11,460	11,934	475	4.1%
70.4%	11,406	11,787	382	3.3%
71.6%	11,234	11,611	377	3.4%
72.8%	11,093	11,539	446	4.0%
74.1%	11,036	11,397	361	3.3%
75.3%	10,891	11,397	516	4.7%
76.5%	10,877	10,969	93	0.9%
77.8%	9,845	10,602	757	7.7%
79.0%	9,696	10,574	879	9.1%
80.2%	9,645	10,378	733	7.6%
81.5%	9,613	10,098	485	5.1%
82.7%	9,512	9,997	485	5.1%
84.0%	9,495	9,889	393	4.1%
85.2%	9,394	9,692	298	3.2%
86.4%	9,372	9,511	139	1.5%
87.7%	8,802	9,277	475	5.4%
88.9%	8,271	8,828	557	6.7%
90.1%	7,841	8,275	434	4.2%
91.4%	7,875	7,939	64	0.8%
92.6%	7,233	7,764	531	7.3%
93.8%	6,944	7,520	576	8.3%
95.1%	6,754	7,332	578	8.6%
96.3%	6,656	6,758	102	1.5%
97.5%	6,447	6,673	226	3.5%
98.8%	5,954	6,204	250	4.2%
100.0%	5,802	5,873	71	1.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,900	14,900	0	0.0%
3.7%	14,900	14,900	0	0.0%
4.9%	14,900	14,900	0	0.0%
6.2%	14,900	14,900	0	0.0%
7.4%	14,900	14,900	0	0.0%
8.6%	14,900	14,900	0	0.0%
9.9%	14,900	14,900	0	0.0%
11.1%	14,900	14,900	0	0.0%
12.3%	14,900	14,900	0	0.0%
13.6%	14,882	14,900	18	0.1%
14.8%	14,790	14,900	110	0.7%
16.0%	14,742	14,815	74	0.5%
17.3%	14,693	14,736	43	0.3%
18.5%	14,691	14,693	2	0.0%
19.8%	14,511	14,591	80	0.5%
21.0%	14,502	14,511	10	0.1%
22.2%	14,436	14,302	-135	-0.9%
23.5%	14,108	14,109	1	0.0%
24.7%	14,071	14,108	37	0.3%
25.9%	13,974	14,072	98	0.7%
27.2%	13,812	13,967	155	1.1%
28.4%	13,804	13,858	55	0.4%
29.6%	13,725	13,805	81	0.6%
30.9%	13,706	13,725	19	0.1%
32.1%	13,565	13,724	159	1.2%
33.3%	13,471	13,609	138	1.0%
34.6%	13,436	13,595	159	1.2%
35.8%	13,379	13,586	208	1.6%
37.0%	13,296	13,565	269	2.0%
38.3%	13,296	13,403	107	0.8%
39.5%	12,684	13,060	375	3.0%
40.7%	12,600	13,018	418	3.3%
42.0%	12,456	12,978	522	4.2%
43.2%	12,438	12,788	176	1.4%
44.4%	12,430	12,644	214	1.7%
45.7%	12,406	12,602	196	1.6%
46.9%	12,255	12,600	345	2.8%
48.1%	12,201	12,561	359	2.9%
49.4%	12,014	12,531	516	4.3%
50.6%	11,993	12,298	305	2.5%
51.9%	11,873	12,224	351	3.0%
53.1%	11,796	12,136	340	2.9%
54.3%	11,713	12,118	404	3.5%
55.6%	11,569	12,085	516	4.5%
56.8%	11,455	11,861	406	3.5%
58.0%	11,295	11,813	518	4.6%
59.3%	11,277	11,635	358	3.2%
60.5%	11,242	11,590	348	3.1%
61.7%	11,218	11,454	236	2.1%
63.0%	11,205	11,425	220	2.0%
64.2%	10,996	11,402	407	3.7%
65.4%	10,949	11,354	404	3.7%
66.7%	10,848	11,345	496	4.6%
67.9%	10,461	11,127	666	6.4%
69.1%	10,459	11,062	603	5.8%
70.4%	10,434	10,999	466	4.5%
71.6%	10,348	10,857	510	4.9%
72.8%	10,250	10,547	297	2.9%
74.1%	10,078	10,440	361	3.6%
75.3%	10,064	10,175	111	1.1%
76.5%	10,031	10,164	134	1.3%
77.8%	9,314	9,792	478	5.1%
79.0%	9,157	9,472	314	3.4%
80.2%	8,918	9,461	543	6.1%
81.5%	8,856	9,366	511	5.8%
82.7%	8,738	9,330	592	6.8%
84.0%	8,718	9,116	398	4.6%
85.2%	8,695	9,036		

Table SW-04-5a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative B	368	360	503	644	606	588	561	3,779	2,091	923	450	445
Difference	0	0	-19	-11	-39	13	6	0	0	0	0	-5
Percent Difference ³	0.0%	-0.1%	-3.6%	-1.7%	-6.0%	2.2%	1.2%	0.0%	0.0%	0.0%	0.0%	-1.2%
Water Year Types ²												
Wet (32%)												
No Action Alternative	373	300	852	1,412	1,026	1,096	627	4,636	3,318	1,289	450	450
Alternative B	373	300	775	1,358	1,030	1,199	647	4,636	3,318	1,289	450	450
Difference	0	0	-76	-54	4	103	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.9%	-3.8%	0.4%	9.4%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	373	713	621	316	831	436	469	4,462	2,488	1,048	450	450
Alternative B	373	711	621	357	760	300	469	4,462	2,488	1,048	450	450
Difference	0	-2	0	41	-72	-136	0	0	0	0	0	0
Percent Difference	0.0%	-0.3%	0.0%	13.1%	-8.6%	-31.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Alternative B	373	300	300	300	345	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-171	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-33.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (2%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative B	373	300	325	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	25	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	8.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative B	342	300	300	300	300	300	575	2,092	783	450	450	413
Difference	0	0	0	0	0	0	0	0	0	0	0	-37
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.3%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

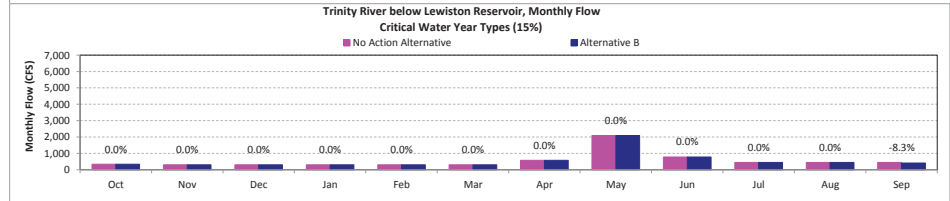
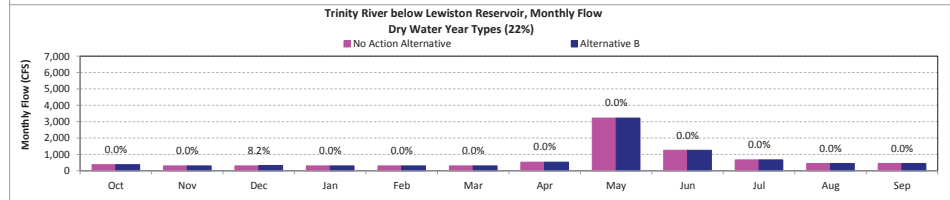
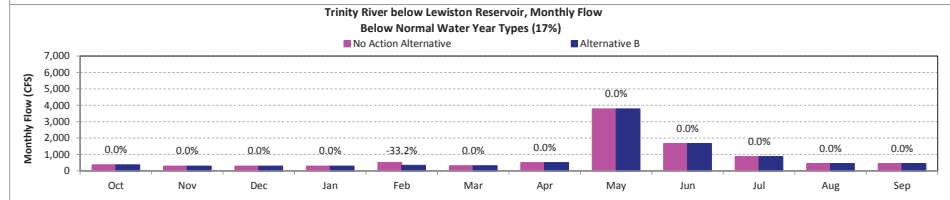
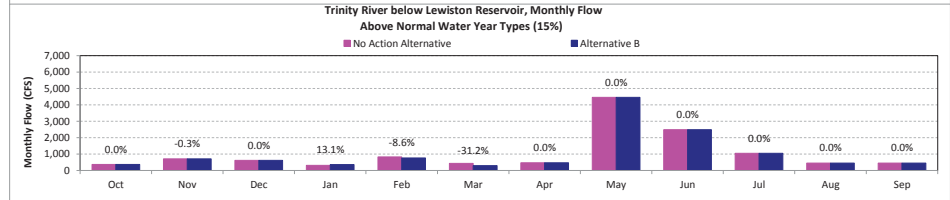
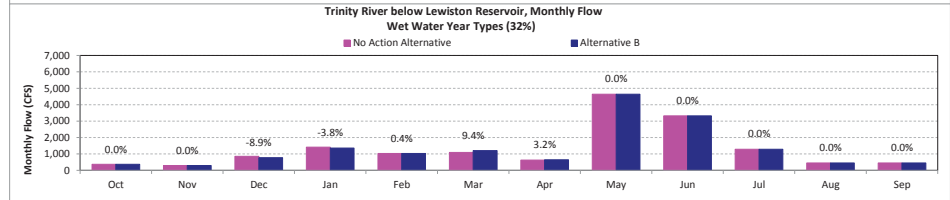
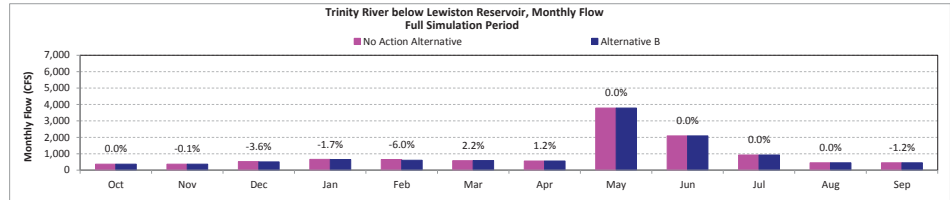


Table SW-04-5b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

October						November						December						January					
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)		Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	
0.0%	373	373	0	0.0%		0.0%	5,261	5,236	-25	-0.5%		0.0%	5,139	5,115	-24	-0.5%		0.0%	6,000	6,000	0	0.0%	
1.2%	373	373	0	0.0%		1.2%	300	300	0	0.0%		1.2%	4,922	4,922	0	0.0%		1.2%	6,000	6,000	0	0.0%	
2.5%	373	373	0	0.0%		2.5%	300	300	0	0.0%		2.5%	4,147	4,150	3	0.1%		2.5%	5,907	5,907	0	0.0%	
3.7%	373	373	0	0.0%		3.7%	300	300	0	0.0%		3.7%	2,872	2,557	-315	-11.0%		3.7%	4,568	4,568	0	0.0%	
4.9%	373	373	0	0.0%		4.9%	300	300	0	0.0%		4.9%	2,557	964	-1,593	-62.3%		4.9%	2,908	2,908	0	0.0%	
6.2%	373	373	0	0.0%		6.2%	300	300	0	0.0%		6.2%	349	743	393	112.7%		6.2%	2,670	2,670	0	0.0%	
7.4%	373	373	0	0.0%		7.4%	300	300	0	0.0%		7.4%	300	300	0	0.0%		7.4%	1,960	1,435	-525	-26.8%	
8.6%	373	373	0	0.0%		8.6%	300	300	0	0.0%		8.6%	300	300	0	0.0%		8.6%	1,175	983	-192	-16.3%	
9.9%	373	373	0	0.0%		9.9%	300	300	0	0.0%		9.9%	300	300	0	0.0%		9.9%	486	424	-62	-12.7%	
11.1%	373	373	0	0.0%		11.1%	300	300	0	0.0%		11.1%	300	300	0	0.0%		11.1%	432	300	-132	-30.6%	
12.3%	373	373	0	0.0%		12.3%	300	300	0	0.0%		12.3%	300	300	0	0.0%		12.3%	300	300	0	0.0%	
13.6%	373	373	0	0.0%		13.6%	300	300	0	0.0%		13.6%	300	300	0	0.0%		13.6%	300	300	0	0.0%	
14.8%	373	373	0	0.0%		14.8%	300	300	0	0.0%		14.8%	300	300	0	0.0%		14.8%	300	300	0	0.0%	
16.0%	373	373	0	0.0%		16.0%	300	300	0	0.0%		16.0%	300	300	0	0.0%		16.0%	300	300	0	0.0%	
17.3%	373	373	0	0.0%		17.3%	300	300	0	0.0%		17.3%	300	300	0	0.0%		17.3%	300	300	0	0.0%	
18.5%	373	373	0	0.0%		18.5%	300	300	0	0.0%		18.5%	300	300	0	0.0%		18.5%	300	300	0	0.0%	
19.8%	373	373	0	0.0%		19.8%	300	300	0	0.0%		19.8%	300	300	0	0.0%		19.8%	300	300	0	0.0%	
21.0%	373	373	0	0.0%		21.0%	300	300	0	0.0%		21.0%	300	300	0	0.0%		21.0%	300	300	0	0.0%	
22.2%	373	373	0	0.0%		22.2%	300	300	0	0.0%		22.2%	300	300	0	0.0%		22.2%	300	300	0	0.0%	
23.5%	373	373	0	0.0%		23.5%	300	300	0	0.0%		23.5%	300	300	0	0.0%		23.5%	300	300	0	0.0%	
24.7%	373	373	0	0.0%		24.7%	300	300	0	0.0%		24.7%	300	300	0	0.0%		24.7%	300	300	0	0.0%	
25.9%	373	373	0	0.0%		25.9%	300	300	0	0.0%		25.9%	300	300	0	0.0%		25.9%	300	300	0	0.0%	
27.2%	373	373	0	0.0%		27.2%	300	300	0	0.0%		27.2%	300	300	0	0.0%		27.2%	300	300	0	0.0%	
28.4%	373	373	0	0.0%		28.4%	300	300	0	0.0%		28.4%	300	300	0	0.0%		28.4%	300	300	0	0.0%	
29.6%	373	373	0	0.0%		29.6%	300	300	0	0.0%		29.6%	300	300	0	0.0%		29.6%	300	300	0	0.0%	
30.9%	373	373	0	0.0%		30.9%	300	300	0	0.0%		30.9%	300	300	0	0.0%		30.9%	300	300	0	0.0%	
32.1%	373	373	0	0.0%		32.1%	300	300	0	0.0%		32.1%	300	300	0	0.0%		32.1%	300	300	0	0.0%	
33.3%	373	373	0	0.0%		33.3%	300	300	0	0.0%		33.3%	300	300	0	0.0%		33.3%	300	300	0	0.0%	
34.6%	373	373	0	0.0%		34.6%	300	300	0	0.0%		34.6%	300	300	0	0.0%		34.6%	300	300	0	0.0%	
35.8%	373	373	0	0.0%		35.8%	300	300	0	0.0%		35.8%	300	300	0	0.0%		35.8%	300	300	0	0.0%	
37.0%	373	373	0	0.0%		37.0%	300	300	0	0.0%		37.0%	300	300	0	0.0%		37.0%	300	300	0	0.0%	
38.3%	373	373	0	0.0%		38.3%	300	300	0	0.0%		38.3%	300	300	0	0.0%		38.3%	300	300	0	0.0%	
39.5%	373	373	0	0.0%		39.5%	300	300	0	0.0%		39.5%	300	300	0	0.0%		39.5%	300	300	0	0.0%	
40.7%	373	373	0	0.0%		40.7%	300	300	0	0.0%		40.7%	300	300	0	0.0%		40.7%	300	300	0	0.0%	
42.0%	373	373	0	0.0%		42.0%	300	300	0	0.0%		42.0%	300	300	0	0.0%		42.0%	300	300	0	0.0%	
43.2%	373	373	0	0.0%		43.2%	300	300	0	0.0%		43.2%	300	300	0	0.0%		43.2%	300	300	0	0.0%	
44.4%	373	373	0	0.0%		44.4%	300	300	0	0.0%		44.4%	300	300	0	0.0%		44.4%	300	300	0	0.0%	
45.7%	373	373	0	0.0%		45.7%	300	300	0	0.0%		45.7%	300	300	0	0.0%		45.7%	300	300	0	0.0%	
46.9%	373	373	0	0.0%		46.9%	300	300	0	0.0%		46.9%	300	300	0	0.0%		46.9%	300	300	0	0.0%	
48.1%	373	373	0	0.0%		48.1%	300	300	0	0.0%		48.1%	300	300	0	0.0%		48.1%	300	300	0	0.0%	
49.4%	373	373	0	0.0%		49.4%	300	300	0	0.0%		49.4%	300	300	0	0.0%		49.4%	300	300	0	0.0%	
50.6%	373	373	0	0.0%		50.6%	300	300	0	0.0%		50.6%	300	300	0	0.0%		50.6%	300	300	0	0.0%	
51.9%	373	373	0	0.0%		51.9%	300	300	0	0.0%		51.9%	300	300	0	0.0%		51.9%	300	300	0	0.0%	
53.1%	373	373	0	0.0%		53.1%	300	300	0	0.0%		53.1%	300	300	0	0.0%		53.1%	300	300	0	0.0%	
54.3%	373	373	0	0.0%		54.3%	300	300	0	0.0%		54.3%	300	300	0	0.0%		54.3%	300	300	0	0.0%	
55.6%	373	373	0	0.0%		55.6%	300	300	0	0.0%		55.6%	300	300	0	0.0%		55.6%	300	300	0	0.0%	
56.8%	373	373	0	0.0%		56.8%	300	300	0	0.0%		56.8%	300	300	0	0.0%		56.8%	300	300	0	0.0%	
58.0%	373	373	0	0.0%		58.0%	300	300	0	0.0%		58.0%	300	300	0	0.0%		58.0%	300	300	0	0.0%	
59.3%	373	373	0	0.0%		59.3%	300	300	0	0.0%		59.3%	300	300	0	0.0%		59.3%	300	300	0	0.0%	
60.5%	373	373	0	0.0%		60.5%	300	300	0	0.0%		60.5%	300	300	0	0.0%		60.5%	300	300	0	0.0%	
61.7%	373	373	0	0.0%		61.7%	300	300	0	0.0%		61.7%	300	300	0	0.0%		61.7%	300	300	0	0.0%	
63.0%	373	373	0	0.0%		63.0%	300	300	0	0.0%		63.0%	300	300	0	0.0%		63.0%	300	300	0	0.0%	
64.2%	373	373	0	0.0%		64.2%	300	300	0	0.0%		64.2%	300	300	0	0.0%		64.2%	300	300	0	0.0%	
65.4%	373	373	0	0.0%		65.4%	300	300	0	0.0%		65.4%	300	300	0	0.0%		65.4%	300	300	0	0.0%	
66.7%	373	373	0	0.0%		66.7%	300	300	0	0.0%		66.7%	300	300	0	0.0%		66.7%	300	300	0	0.0%	
67.9%	373	373	0	0.0%		67.9%	300	300	0	0.0%		67.9%	300	300	0	0.0%		67.9%	300	300	0	0.0%	
69.1%	373	373	0	0.0%		69.1%	300	300	0	0.0%		69.1%	300	300	0	0.0%		69.1%	300	300	0	0.0%	
70.4%	373	373	0	0.0%		70.4%	300	300	0	0.0%		70.4%	300	300	0	0.0%		70.4%	300	300	0	0.0%	
71.6%	373	373	0	0.0%		71.6%	300	300	0	0.0%		71.6%	300	300	0	0.0%		71.6%	300	300	0	0.0%	
72.8%	373	373	0	0.0%		72.8%	300	300	0	0.0%		72.8%	300	300	0	0.0%		72.8%	300	300	0	0.0%	
74.1%	373	373	0	0.0%		74.1%	300	300	0	0.0%		74.1%	300	300	0	0.0%		74.1%	300	300	0	0.0%	
75.3%	373	373	0	0.0%		75.3%	300	300	0	0.0%		75.3%	300	300	0	0.0%		75.3%	300	300	0	0.0%	
76.5%	373	373	0	0.0%		76.5%	300	300	0	0.0%		76.5%	300	300	0	0.0%		76.5%	300	300	0	0.0%	
77.8%	373	373	0	0.0%		77.8%	300	300	0	0.0%		77.8%	300	300	0	0.0%		77.8%	300	300	0	0.0%	
79.0%	373	373	0	0.0%		79.0%	300	300	0	0.0%		79.0%	300	300	0	0.0%		79.0%	300	300	0	0.0%	
80.2%	373	373	0	0.0%		80.2%	300	300	0	0.0%		80.2%	300	300	0	0.0%		80.2%	300	300	0	0.0%	
81.5%	373	373	0	0.0%		81.5%	300	300	0	0.0%		81.5%	300	300	0	0.0%		81.5%	300	300	0	0.0%	
82.7%	373	373	0	0.0%		82.7%	300	300	0	0.0%		82.7%	300	300	0	0.0%		82.7%	300	300	0	0.0%	
84.0%	373	373	0	0.0%		84.0%	300	300	0	0.0%		84.0%	300	300	0	0.0%		84.0%	300	300	0	0.0%	

Table SW-04-5b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	4,484	4,484	0	0.0%
2.5%	3,335	3,238	-98	-2.9%
3.7%	3,238	3,217	-21	-0.6%
4.9%	2,931	2,931	0	0.0%
6.2%	2,434	2,407	-27	-1.1%
7.4%	2,407	2,347	-61	-2.5%
8.6%	2,347	1,138	-1,208	-51.5%
9.9%	1,194	942	-252	-21.1%
11.1%	1,161	935	-226	-19.5%
12.3%	1,138	583	-555	-48.8%
13.6%	942	453	-489	-51.9%
14.8%	583	358	-225	-38.6%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	5,482	5,482	0	0.0%
2.5%	3,386	4,438	1,052	31.1%
3.7%	3,321	3,618	297	8.9%
4.9%	2,423	3,386	963	39.8%
6.2%	1,933	1,727	-206	-10.7%
7.4%	1,877	817	-1,060	-56.5%
8.6%	560	560	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,724	2,724	0	0.0%
1.2%	1,719	1,719	0	0.0%
2.5%	952	988	36	3.8%
3.7%	942	952	10	1.0%
4.9%	600	942	342	57.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	600	600	0	0.0%
16.0%	540	600	60	11.1%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	493	540	47	9.5%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	493	493	0	0.0%
60.5%	493	493	0	0.0%
61.7%	460	493	33	7.2%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

Percent Exceedance Probability	May			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%

Table SW-04-5b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,120	2,120	0	0.0%
45.7%	2,120	2,120	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,274	3,274	0	0.0%
1.2%	2,942	2,942	0	0.0%
2.5%	1,942	1,942	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%				

Table SW-05-5a
Clear Creek Tunnel, Monthly Flow

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term Average and Average by Water Year Type												
Long-term												
Full Simulation Period ¹	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
No Action Alternative	935	296	315	490	190	344	393	154	530	1,762	1,809	1,744
Alternative B	-98	-48	59	69	95	74	3	-14	-21	-49	-117	77
Percent Difference ³	-9.5%	-14.0%	22.9%	16.5%	100.8%	27.5%	0.8%	-8.5%	-3.9%	-2.7%	-6.1%	4.6%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative B	1,510	484	629	467	223	415	473	287	401	1,771	1,711	2,145
Difference	-82	4	93	37	142	72	-10	9	-21	29	32	10
Percent Difference	-5.2%	0.7%	17.4%	8.6%		20.9%	-2.0%	3.3%	-4.9%	1.7%	1.9%	0.5%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative B	1,026	319	285	269	97	452	556	8	166	1,375	1,771	1,917
Difference	62	-119	-20	0	39	150	-32	8	0	-42	-104	-42
Percent Difference	6.5%	-27.1%	-6.5%	0.0%	49.7%	-5.4%	-0.2%	-2.9%	-5.6%	-2.1%		
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative B	482	136	189	324	280	408	262	61	586	1,466	1,661	1,324
Difference	54	-50	124	29	200	24	-3	0	-74	-71	-136	-36
Percent Difference	12.5%	-26.9%	8.3%	42.1%	23.0%	73.1%	18.6%	-32.2%	-3.3%	2.1%	-10.2%	5.6%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative B	724	247	109	579	204	244	264	150	875	2,145	2,085	1,550
Difference	-160	-86	8	172	38	103	41	-71	-30	45	-237	82
Percent Difference	-18.1%	-25.8%	8.3%	42.1%	23.0%	73.1%	18.6%	-32.2%	-3.3%	2.1%	-10.2%	5.6%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative B	443	126	125	818	84	154	400	128	589	1,904	1,821	1,480
Difference	-376	-30	62	103	15	19	16	-19	29	-342	-254	468
Percent Difference	-45.9%	-19.2%	14.4%	13.7%	4.1%	13.2%	5.1%	-15.2%	12.2%	-12.2%	46.2%	

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

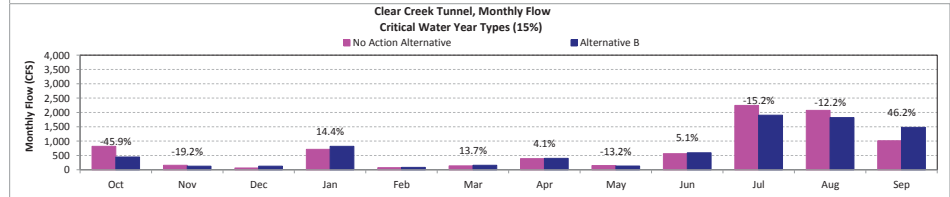
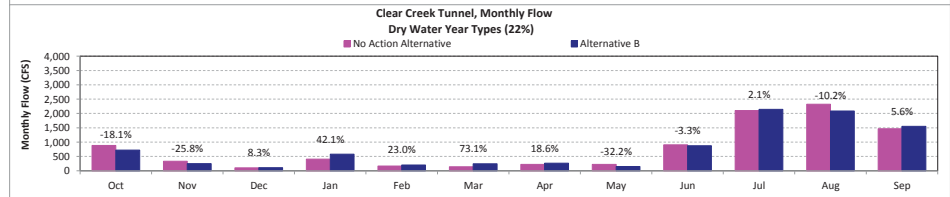
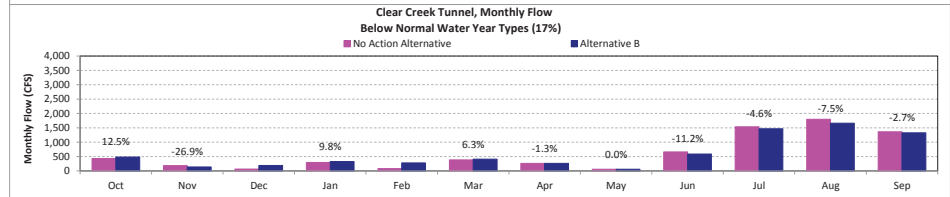
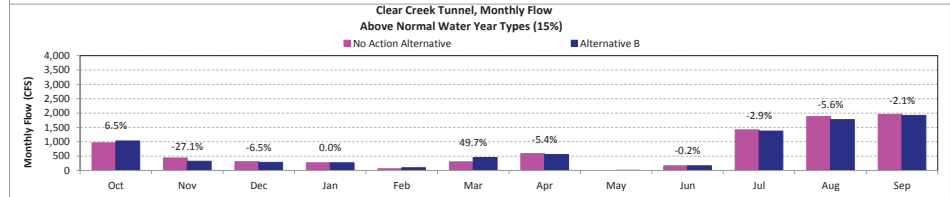
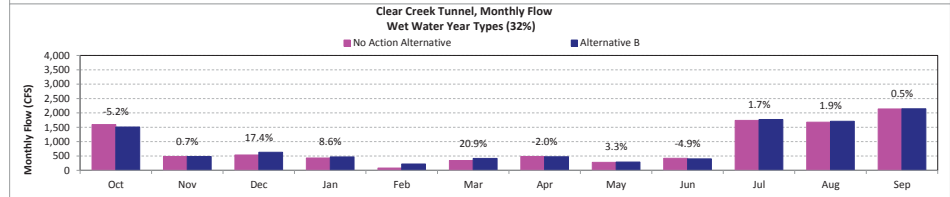
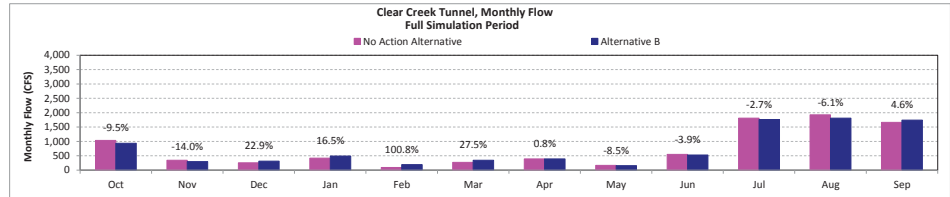


Figure SW-05-5b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

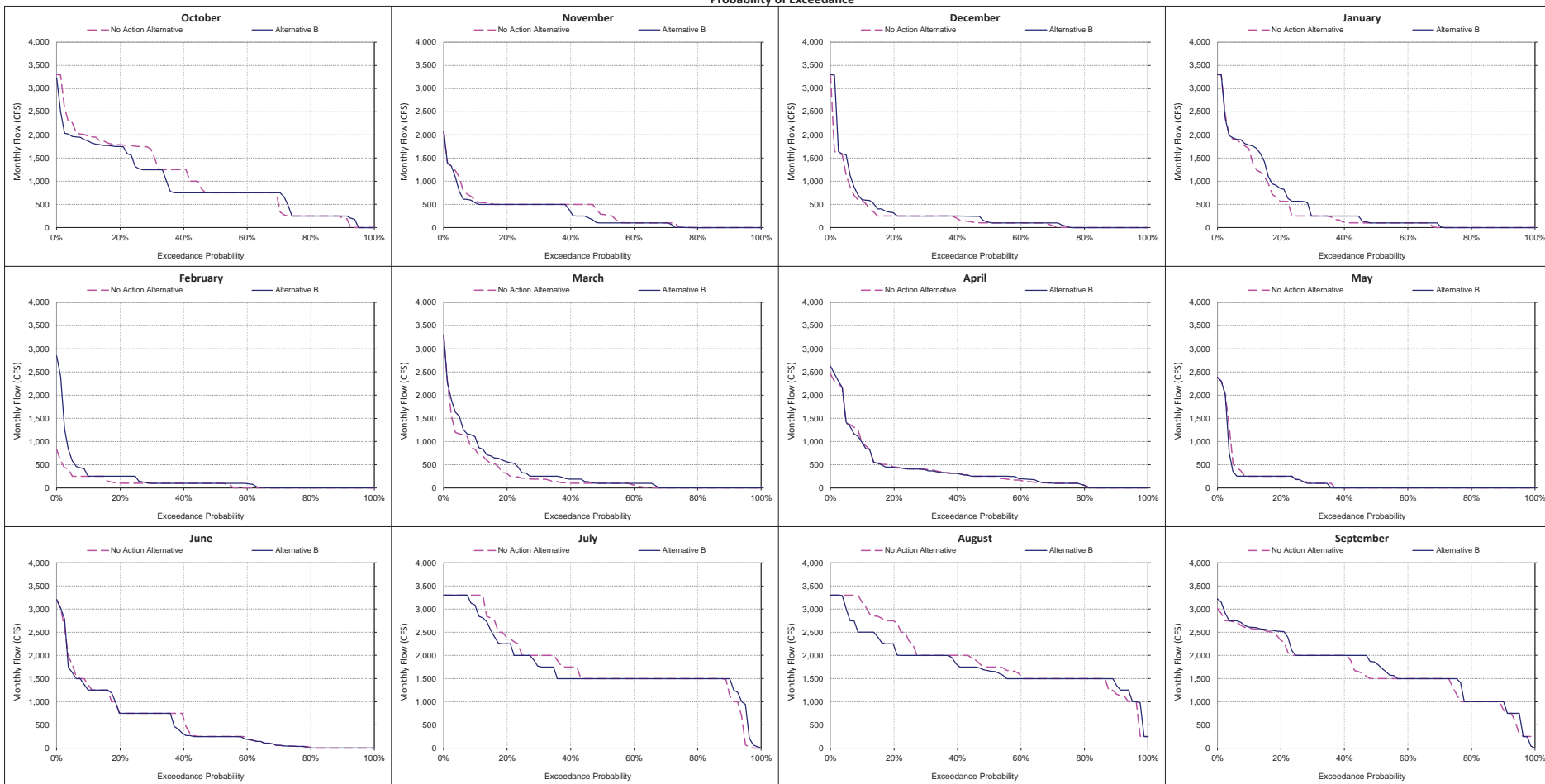


Table SW-05-5b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,236	-64	-1.9%
1.2%	3,300	2,500	-800	-24.2%
2.5%	2,591	2,032	-559	-21.6%
3.7%	2,286	2,019	-267	-11.7%
4.9%	2,264	1,969	-296	-13.1%
6.2%	2,044	1,956	-88	-4.3%
7.4%	2,019	1,950	-68	-3.4%
8.6%	2,010	1,887	-114	-5.7%
9.9%	1,989	1,870	-99	-5.0%
11.1%	1,956	1,825	-131	-6.7%
12.3%	1,950	1,803	-147	-7.6%
13.6%	1,870	1,787	-83	-4.4%
14.8%	1,869	1,772	-96	-5.2%
16.0%	1,825	1,770	-54	-3.0%
17.3%	1,803	1,758	-45	-2.5%
18.5%	1,787	1,749	-38	-2.1%
19.8%	1,787	1,747	-40	-2.2%
21.0%	1,781	1,744	-37	-2.1%
22.2%	1,772	1,596	-177	-10.0%
23.5%	1,770	1,568	-202	-11.4%
24.7%	1,758	1,316	-442	-25.1%
25.9%	1,749	1,272	-477	-27.3%
27.2%	1,747	1,250	-497	-28.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,740	1,250	-490	-28.2%
30.9%	1,494	1,250	-244	-16.3%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,250	0	0.0%
34.6%	1,250	1,000	-250	-20.0%
35.8%	1,250	777	-473	-37.9%
37.0%	1,250	750	-500	-40.0%
38.3%	1,250	750	-500	-40.0%
39.5%	1,250	750	-500	-40.0%
40.7%	1,250	750	-500	-40.0%
42.0%	1,000	750	-250	-25.0%
43.2%	1,000	750	-250	-25.0%
44.4%	1,000	750	-250	-25.0%
45.7%	829	750	-79	-9.6%
46.9%	750	750	0	0.0%
48.1%	750	750	0	0.0%
49.4%	750	750	0	0.0%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	750	0	0.0%
63.0%	750	750	0	0.0%
64.2%	750	750	0	0.0%
65.4%	750	750	0	0.0%
66.7%	750	750	0	0.0%
67.9%	750	750	0	0.0%
69.1%	750	750	0	0.0%
70.4%	334	750	416	124.7%
71.6%	272	865	593	144.3%
72.8%	250	481	231	92.5%
74.1%	250	250	0	0.0%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	250	0	0.0%
90.1%	202	250	48	24.0%
91.4%	190	250	60	31.5%
92.6%	0	202	202	100.0%
93.8%	0	182	182	100.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

Percent Exceedance Probability	November			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,082	0	0.0%
1.2%	1,389	1,389	0	0.0%
2.5%	1,326	1,326	0	0.0%
3.7%	1,228	1,086	-142	-11.5%
4.9%	1,086	782	-304	-28.0%
6.2%	793	616	-177	-22.3%
7.4%	723	606	-117	-16.1%
8.6%	674	590	-84	-12.5%
9.9%	606	539	-67	-11.1%
11.1%	543	500	-43	-7.9%
12.3%	539	500	-39	-7.2%
13.6%	534	500	-34	-6.4%
14.8%	516	500	-16	-3.1%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	500	0	0.0%
37.0%	500	500	0	0.0%
38.3%	500	499	-1	-0.2%
39.5%	500	391	-109	-21.8%
40.7%	500	254	-246	-49.3%
42.0%	500	250	-250	-50.0%
43.2%	500	250	-250	-50.0%
44.4%	500	250	-250	-50.0%
45.7%	500	207	-293	-58.6%
46.9%	499	171	-328	-65.8%
48.1%	398	106	-293	-73.5%
49.4%	290	100	-190	-65.5%
50.6%	279	100	-179	-64.2%
51.9%	254	100	-154	-60.6%
53.1%	250	100	-150	-60.0%
54.3%	166	100	-66	-39.8%
55.6%	106	100	6	5.3%
56.8%	105	100	-5	-4.7%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	70	9	-61	-87.1%
72.8%	100	5	-95	-95.4%
74.1%	10	1	-9	-90.0%
75.3%	5	0	-5	-100.0%
76.5%	5	0	-5	-100.0%
77.8%	1	0	-1	-100.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

Percent Exceedance Probability	December			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	1,642	3,291	1,649	100.4%
2.5%	1,605	1,642	36	2.3%
3.7%	1,571	1,590	19	1.2%
4.9%	1,127	1,571	444	39.4%
6.2%	877	1,127	250	28.5%
7.4%	697	877	180	25.9%
8.6%	601	708	107	17.8%
9.9%	588	601	12	2.1%
11.1%	514	588	75	14.5%
12.3%	404	583	179	44.4%
13.6%	336	514	178	52.9%
14.8%	250	404	154	61.5%
16.0%	250	401	151	60.5%
17.3%	250	357	107	42.8%
18.5%	250	336	86	34.5%
19.8%	250	323	73	29.3%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	250	250	0	0.0%
38.3%	250	250	0	0.0%
39.5%	213	250	37	17.3%
40.7%	157	250	93	59.4%
42.0%	146	250	104	71.0%
43.2%	121	250	115	84.9%
44.4%	121	250	129	106.5%
45.7%	103	243	140	136.5%
46.9%	103	241	138	134.6%
48.1%	102	152	50	48.7%
49.4%	102	121	19	18.4%
50.6%	101	103	2	1.6%
51.9%	100	103	3	2.6%
53.1%	100	102	2	2.2%
54.3%	100	102	2	2.2%
55.6%	100	101	1	1.1%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	59	100	41	68.5%
70.4%	34	100	66	193.6%
71.6%	6	100	94	1566.7%
72.8%	3	55	52	1733.3%
74.1%	2	34	32	1600.0%
75.3%	2	0	-2	-100.0%
76.5%	0	0	0	0.0%
77.8%	0	0	0	0.0%
79.0%	0	0	0	0.0%
80.2%	0	0	0	0.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

Percent Exceedance Probability	January			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	3,300	5	0.1%
2.5%	2,249	2,249	-80	-3.3%
3.7%	1,985	1,985	0	0.0%
4.9%	1,904	1,936	32	1.7%
6.2%	1,898	1,904	6	0.3%
7.4%	1,814	1,898	85	4.7%
8.6%	1,761	1,814	52	3.0%
9.9%	1,708	1,785	77	4.5%
11.1%	1,398	1,761	363	26.0%
12.3%	1,239	1,708	469	37.9%
13.6%	1,196	1,594	398	33.3%
14.8%	1,100	1,426	326	29.6%
16.0%	945	1,100	155	16.4%
17.3%	717	945	228	31.8%
18.5%	658	911	253</	

Table SW-05-5b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	2,850	2,016	241.8%
1.2%	584	2,401	1,817	311.1%
2.5%	436	1,270	834	191.5%
3.7%	412	836	424	103.1%
4.9%	250	584	334	133.6%
6.2%	250	465	215	85.8%
7.4%	250	436	186	74.2%
8.6%	250	412	162	64.7%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	144	250	106	73.9%
17.3%	126	250	124	98.2%
18.5%	107	250	143	133.5%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	250	150	150.0%
24.7%	100	250	150	150.0%
25.9%	100	144	44	43.7%
27.2%	100	126	26	26.1%
28.4%	100	107	7	7.1%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	87	100	13	15.5%
54.3%	74	100	26	35.6%
55.6%	3	100	97	
56.8%	0	100	100	
58.0%	0	100	100	
59.3%	0	100	100	
60.5%	0	87	87	
61.7%	0	74	74	
63.0%	0	25	25	
64.2%	0	4	4	
65.4%	0	3	3	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,264	0	0.0%
2.5%	1,548	1,501	352	22.7%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,258	111	9.7%
7.4%	1,110	1,166	56	5.1%
8.6%	867	1,147	280	32.4%
9.9%	834	1,110	276	33.1%
11.1%	712	867	155	21.8%
12.3%	688	834	145	21.1%
13.6%	597	712	115	19.2%
14.8%	529	688	160	30.2%
16.0%	527	645	119	22.6%
17.3%	451	637	186	41.2%
18.5%	325	597	272	83.7%
19.8%	321	566	244	76.0%
21.0%	250	542	292	116.8%
22.2%	238	529	290	122.0%
23.5%	237	481	244	90.1%
24.7%	210	325	115	54.8%
25.9%	206	321	116	56.3%
27.2%	191	250	59	30.8%
28.4%	189	250	61	32.0%
29.6%	189	250	61	32.1%
30.9%	187	250	63	33.4%
32.1%	186	250	64	34.1%
33.3%	164	250	86	52.4%
34.6%	135	250	115	84.6%
35.8%	135	250	115	85.9%
37.0%	112	237	125	112.6%
38.3%	111	206	95	85.8%
39.5%	100	189	89	89.4%
40.7%	100	189	89	89.2%
42.0%	100	187	87	87.5%
43.2%	100	187	87	87.1%
44.4%	100	135	35	35.4%
45.7%	100	135	35	34.5%
46.9%	100	112	12	11.6%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	71	100	29	41.0%
60.5%	49	100	51	103.0%
61.7%	30	100	70	229.8%
63.0%	13	100	87	
64.2%	0	100	90	
65.4%	0	100	100	
66.7%	0	49	49	
67.9%	0	2	2	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,460	2,624	164	6.7%
1.2%	2,297	2,460	162	7.1%
2.5%	2,240	2,297	57	2.5%
3.7%	2,166	2,166	0	0.0%
4.9%	1,390	1,415	25	1.8%
6.2%	1,367	1,325	-42	-3.1%
7.4%	1,308	1,165	-143	-10.9%
8.6%	1,258	1,114	-144	-11.4%
9.9%	974	979	5	0.0%
11.1%	906	852	-54	-6.0%
12.3%	832	827	-6	-0.7%
13.6%	556	555	-2	-0.3%
14.8%	555	530	-25	-4.4%
16.0%	505	499	-6	-1.2%
17.3%	505	453	-52	-10.3%
18.5%	499	444	-54	-10.9%
19.8%	453	443	-10	-2.2%
21.0%	444	428	-16	-3.6%
22.2%	428	428	0	0.0%
23.5%	426	413	-13	-3.0%
24.7%	418	408	-10	-2.4%
25.9%	413	403	-10	-2.3%
27.2%	408	403	-4	-1.0%
28.4%	403	403	0	0.0%
29.6%	403	393	-10	-2.5%
30.9%	393	365	-28	-7.1%
32.1%	390	363	-26	-6.8%
33.3%	365	350	-15	-4.1%
34.6%	350	331	-19	-5.5%
35.8%	331	329	-2	-0.4%
37.0%	329	314	-15	-4.7%
38.3%	314	313	-1	-0.3%
39.5%	313	312	-1	-0.3%
40.7%	312	297	-15	-4.8%
42.0%	281	281	0	0.0%
43.2%	281	277	-4	-1.4%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	201	250	49	24.5%
54.3%	200	250	50	25.1%
55.6%	189	250	61	32.6%
56.8%	177	247	71	40.0%
58.0%	170	247	78	45.7%
59.3%	170	201	31	18.3%
60.5%	152	195	43	28.6%
61.7%	139	189	50	35.9%
63.0%	133	181	48	35.8%
64.2%	122	177	55	45.4%
65.4%	115	138	24	20.9%
66.7%	112	115	3	2.3%
67.9%	110	112	2	2.0%
69.1%	100	110	10	9.9%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	79	77	-2	-2.7%
80.2%	47	47	0	0.0%
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Percent Exceedance Probability	May			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,332	754	-578	-43.4%
4.9%	513	353	-160	-31.2%
6.2%	437	250	-187	-42.8%
7.4%	366	250	-116	-31.7%
8.6%	260	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	181	181	0	0.0%
25.9%	177	177	0	0.0%
27.2%	133	123	-10	-7.5%
28.4%	123	100	-23	-19.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	0	-100	

Table SW-05-5b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,203	3,203	0	0.0%
1.2%	3,023	3,023	0	0.0%
2.5%	2,812	2,790	169	6.5%
3.7%	1,978	1,750	-228	-11.5%
4.9%	1,806	1,631	-175	-9.7%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,374	-126	-8.4%
9.9%	1,374	1,250	-124	-9.0%
11.1%	1,250	1,250	0	0.0%
12.3%	1,250	1,250	0	0.0%
13.6%	1,250	1,250	0	0.0%
14.8%	1,250	1,250	0	0.0%
16.0%	1,250	1,250	0	0.0%
17.3%	1,000	1,192	192	19.2%
18.5%	1,000	1,000	0	0.0%
19.8%	758	750	-8	-1.0%
21.0%	750	750	0	0.0%
22.2%	750	750	0	0.0%
23.5%	750	750	0	0.0%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	750	0	0.0%
30.9%	750	750	0	0.0%
32.1%	750	750	0	0.0%
33.3%	750	750	0	0.0%
34.6%	750	750	0	0.0%
35.8%	750	750	0	0.0%
37.0%	750	464	-286	-38.2%
38.3%	750	405	-345	-46.0%
39.5%	750	321	-429	-57.2%
40.7%	464	270	-193	-41.7%
42.0%	321	270	-51	-16.0%
43.2%	270	250	-20	-7.2%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	245	-5	-2.2%
59.3%	245	198	-47	-19.1%
60.5%	182	182	0	0.0%
61.7%	167	150	-17	-10.0%
63.0%	147	147	0	0.0%
64.2%	143	143	0	0.0%
65.4%	107	107	0	0.0%
66.7%	106	106	0	0.0%
67.9%	93	93	0	0.0%
69.1%	59	59	0	0.0%
70.4%	57	57	0	0.0%
71.6%	47	47	0	0.0%
72.8%	43	43	0	0.0%
74.1%	42	41	-1	-1.7%
75.3%	41	38	-3	-7.6%
76.5%	36	36	0	0.0%
77.8%	35	35	0	0.0%
79.0%	34	8	-26	-75.4%
80.2%	8	0	-8	-100.0%
81.5%	0	0	0	0.0%
82.7%	0	0	0	0.0%
84.0%	0	0	0	0.0%
85.2%	0	0	0	0.0%
86.4%	0	0	0	0.0%
87.7%	0	0	0	0.0%
88.9%	0	0	0	0.0%
90.1%	0	0	0	0.0%
91.4%	0	0	0	0.0%
92.6%	0	0	0	0.0%
93.8%	0	0	0	0.0%
95.1%	0	0	0	0.0%
96.3%	0	0	0	0.0%
97.5%	0	0	0	0.0%
98.8%	0	0	0	0.0%
100.0%	0	0	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,132	-168	-5.1%
9.9%	3,300	3,088	-212	-6.4%
11.1%	3,300	2,846	-454	-13.8%
12.3%	3,300	2,808	-492	-14.9%
13.6%	2,846	2,724	-122	-4.3%
14.8%	2,808	2,543	-265	-9.4%
16.0%	2,750	2,400	-350	-12.7%
17.3%	2,500	2,262	-238	-9.5%
18.5%	2,500	2,250	-250	-10.0%
19.8%	2,400	2,250	-150	-6.2%
21.0%	2,359	2,250	-109	-4.6%
22.2%	2,296	2,000	-296	-12.9%
23.5%	2,250	2,000	-250	-11.1%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	1,896	-104	-5.2%
29.6%	2,000	1,770	-230	-11.5%
30.9%	2,000	1,750	-250	-12.5%
32.1%	2,000	1,750	-250	-12.5%
33.3%	2,000	1,750	-250	-12.5%
34.6%	2,000	1,750	-250	-12.5%
35.8%	1,896	1,500	-396	-20.9%
37.0%	1,770	1,500	-270	-15.2%
38.3%	1,750	1,500	-250	-14.3%
39.5%	1,750	1,500	-250	-14.3%
40.7%	1,750	1,500	-250	-14.3%
42.0%	1,750	1,500	-250	-14.3%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,481	1,500	19	1.3%
90.1%	1,125	1,500	375	33.4%
91.4%	1,000	1,250	250	25.0%
92.6%	1,000	1,201	201	20.1%
93.8%	692	1,000	308	44.5%
95.1%	66	943	878	1315.0%
96.3%	29	115	86	296.9%
97.5%	0	66	66	100.0%
98.8%	0	29	29	100.0%
100.0%	0	0	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,298	-2	-0.1%
4.9%	3,300	3,012	-288	-8.7%
6.2%	3,300	2,750	-550	-16.7%
7.4%	3,300	2,750	-550	-16.7%
8.6%	3,300	2,500	-800	-24.2%
9.9%	3,157	2,500	-657	-20.8%
11.1%	3,047	2,500	-547	-18.0%
12.3%	2,894	2,500	-394	-13.6%
13.6%	2,851	2,500	-351	-12.3%
14.8%	2,848	2,407	-440	-15.5%
16.0%	2,806	2,279	-527	-18.8%
17.3%	2,500	2,250	-250	-10.0%
18.5%	2,750	2,250	-500	-18.2%
19.8%	2,750	2,250	-500	-18.2%
21.0%	2,702	2,008	-694	-25.7%
22.2%	2,500	2,000	-500	-20.0%
23.5%	2,500	2,000	-500	-20.0%
24.7%	2,315	2,000	-315	-13.6%
25.9%	2,250	2,000	-250	-11.1%
27.2%	2,008	2,000	-8	-0.4%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	1,949	-51	-2.5%
39.5%	2,000	1,821	-179	-9.0%
40.7%	2,000	1,752	-248	-12.4%
42.0%	2,000	1,750	-250	-12.5%
43.2%	2,000	1,750	-250	-12.5%
44.4%	1,949	1,750	-199	-10.2%
45.7%	1,901	1,750	-151	-8.0%
46.9%	1,821	1,734	-86	-4.7%
48.1%	1,752	1,692	-60	-3.4%
49.4%	1,750	1,676	-74	-4.2%
50.6%	1,750	1,656	-94	-5.4%
51.9%	1,750	1,654	-96	-5.5%
53.1%	1,750	1,613	-137	-7.8%
54.3%	1,734	1,573	-162	-9.3%
55.6%	1,676	1,500	-176	-10.5%
56.8%	1,673	1,500	-173	-10.3%
58.0%	1,656	1,500	-156	-9.4%
59.3%	1,613	1,500	-113	-7.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,250	1,500	250	20.0%
88.9%	1,250	1,500	250	20.0%
90.1%	1,161	1,347	186	16.0%
91.4%	1,125	1,250	125	11.1%
92.6%	750	1,250	500	66.7%
93.8%	1,000	1,250	250	25.0%
95.1%	1,000	1,000	0	0.0%
96.3%	1,000	215	0	0.0%
97.5%	254	978	725	285.3%
98.8%	0	250	250	100.0%
100.0%	250	250	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,223	207	6.9%
1.2%	2,907	3,146	239	8.2%
2.5%	2,750	2,907	157	5.7%
3.7%	2,750			

Table SW-06-5a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	185	187	189	197	197	192	191	265	181	85	86	148
Alternative B	187	187	189	197	197	191	191	265	181	107	85	148
Difference	2	0	0	0	0	-1	0	0	0	22	-1	0
Percent Difference ²	1.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	26.3%	-1.6%	0.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative B	200	200	200	220	220	200	200	277	200	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	200	200	200	192	196	205	196	277	200	85	85	150
Alternative B	200	200	200	192	196	196	196	277	200	176	85	150
Difference	0	0	0	0	0	-9	0	0	0	91	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%	107.2%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative B	193	193	193	189	189	189	189	269	186	132	85	150
Difference	0	0	0	0	0	0	0	0	0	47	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	55.2%	0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative B	181	182	182	192	192	192	192	264	180	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	133	149	163	168	168	168	168	224	120	85	94	133
Alternative B	146	149	163	168	168	168	168	224	120	92	85	133
Difference	12	0	0	0	0	0	0	0	0	7	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%	-9.9%	0.0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

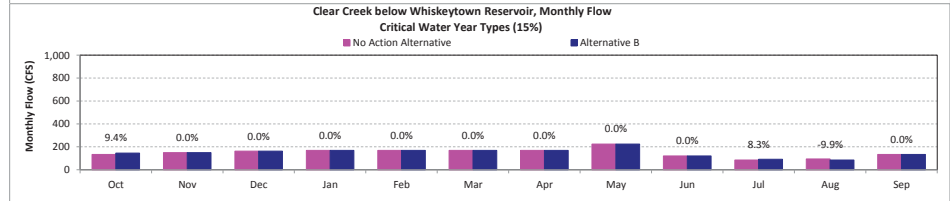
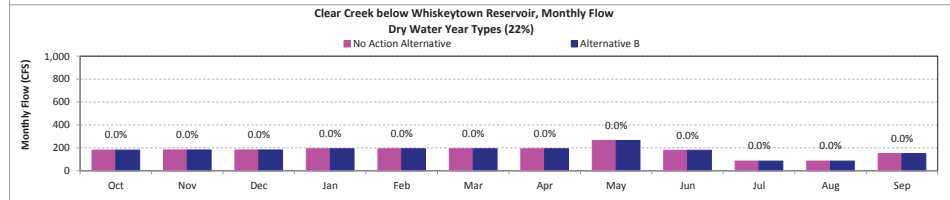
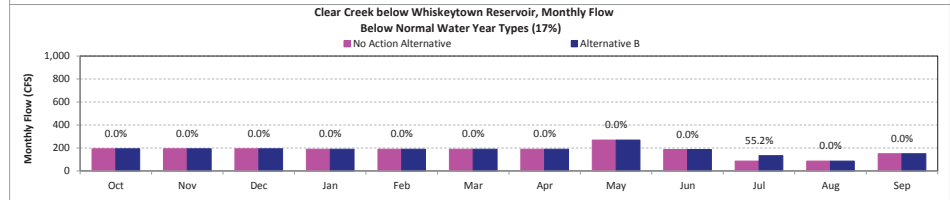
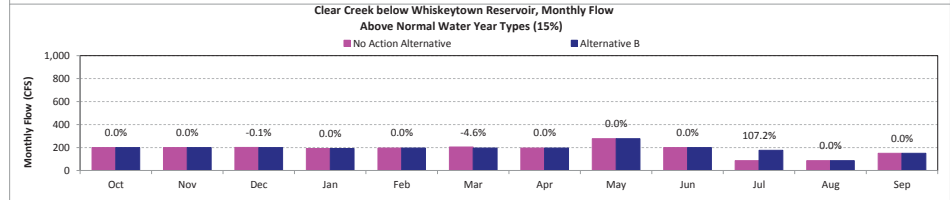
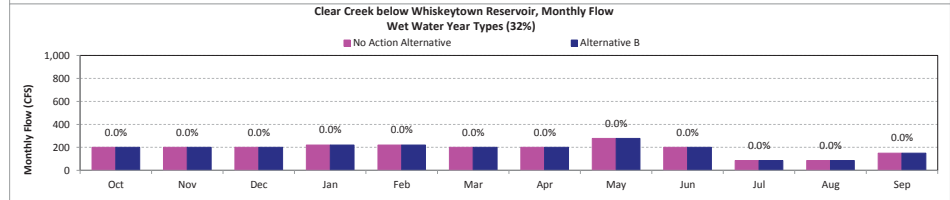
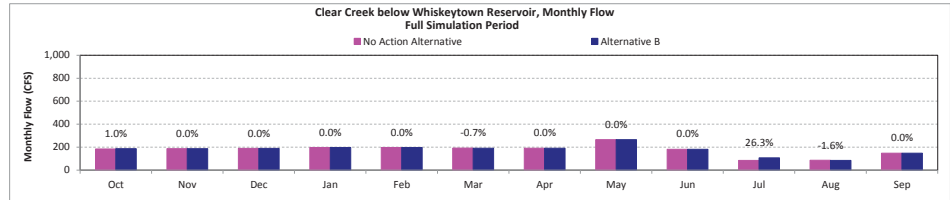


Figure SW-06-5b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

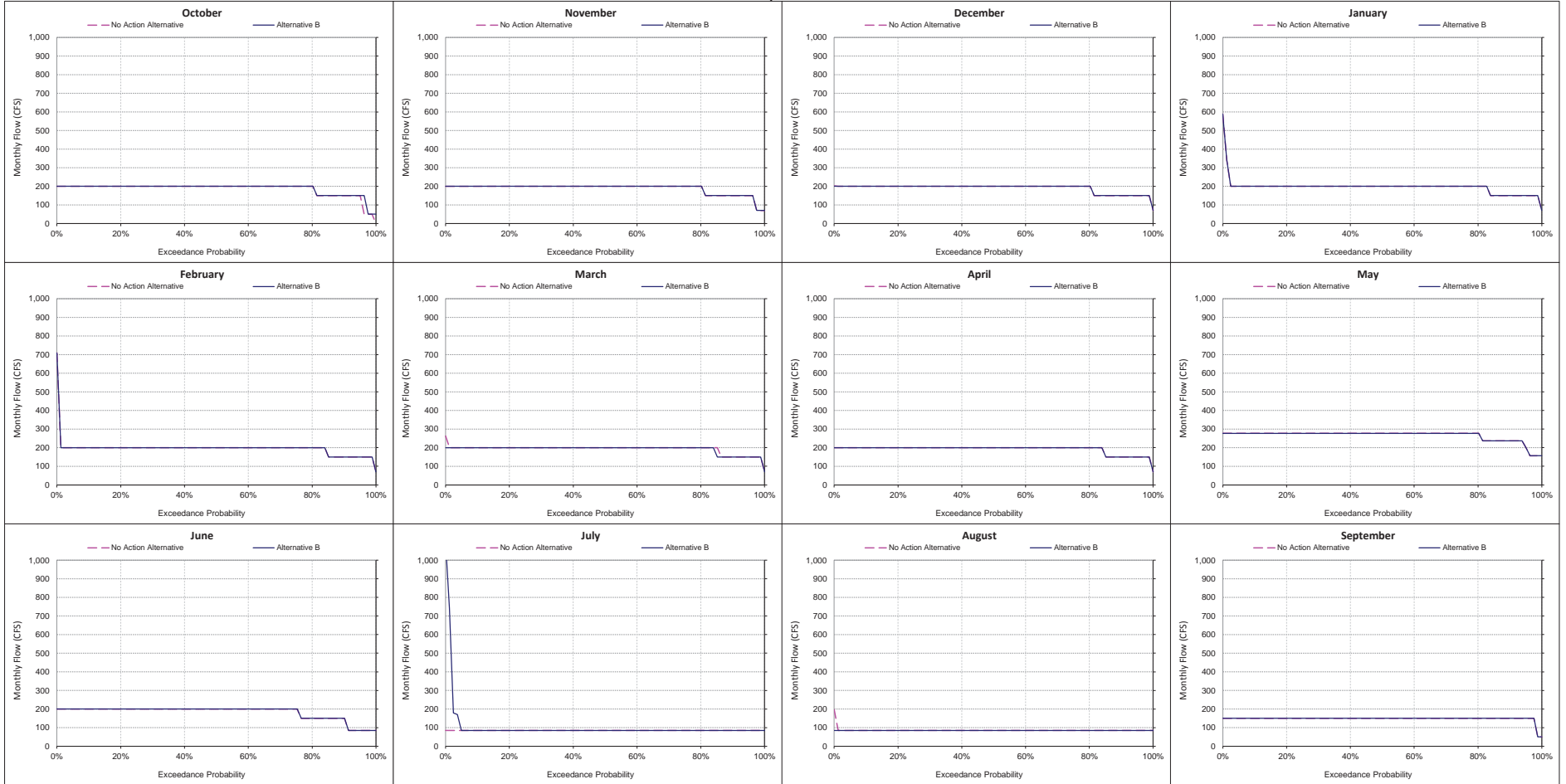


Table SW-06-5b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	1,085	1,000	
1.2%	85	742	657	773.4%
2.5%	85	179	94	110.1%
3.7%	85	170	85	99.6%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	197	85	-112	-56.8%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%

Table SW-07.5a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	2,557	2,547	2,712	2,983	3,261	3,616	3,913	3,944	3,634	3,148	2,813	2,630
Alternative B	2,656	2,629	2,752	3,005	3,255	3,629	3,958	4,013	3,728	3,244	2,911	2,736
Difference	98	82	40	22	-6	14	45	70	94	96	98	106
Percent Difference ³	3.8%	3.2%	1.5%	0.7%	-0.2%	0.4%	1.2%	1.8%	2.6%	3.1%	3.5%	4.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	3,052	2,943	3,098	3,416	3,641	3,860	4,316	4,473	4,288	3,866	3,519	3,136
Alternative B	3,076	2,974	3,081	3,423	3,623	3,857	4,325	4,482	4,289	3,873	3,538	3,179
Difference	24	30	-17	6	-18	-3	9	10	1	6	20	43
Percent Difference	0.8%	1.0%	-0.5%	0.2%	-0.5%	-0.1%	0.2%	0.2%	0.0%	0.2%	0.6%	1.4%
Above Normal (15%)												
No Action Alternative	2,952	2,886	3,058	3,124	3,406	3,955	4,400	4,477	4,118	3,544	3,200	3,036
Alternative B	3,026	2,936	3,039	3,118	3,369	3,947	4,403	4,479	4,155	3,578	3,249	3,114
Difference	74	51	-19	-6	-38	-8	2	2	37	34	49	78
Percent Difference	2.5%	1.8%	-0.6%	-0.2%	-1.1%	-0.2%	0.0%	0.0%	0.9%	1.0%	1.5%	2.6%
Below Normal (17%)												
No Action Alternative	2,846	2,924	3,010	2,945	3,303	3,697	4,069	4,096	3,762	3,253	2,918	2,861
Alternative B	2,907	2,948	2,985	2,929	3,259	3,680	4,077	4,144	3,853	3,344	3,019	2,947
Difference	61	23	-25	-16	-44	-17	8	48	91	91	101	87
Percent Difference	2.1%	0.8%	-0.8%	-0.5%	-1.3%	-0.5%	0.2%	1.2%	2.4%	2.8%	3.5%	3.0%
Dry (22%)												
No Action Alternative	2,323	2,412	2,666	2,827	3,189	3,665	3,810	3,725	3,339	2,829	2,486	2,413
Alternative B	2,527	2,579	2,790	2,860	3,183	3,685	3,888	3,843	3,513	3,000	2,660	2,591
Difference	204	167	125	33	-6	20	78	118	174	170	174	178
Percent Difference	8.8%	6.9%	4.7%	1.2%	-0.2%	0.6%	2.0%	3.2%	5.2%	6.0%	7.0%	7.4%
Critical (15%)												
No Action Alternative	1,105	1,111	1,254	2,180	2,349	2,578	2,524	2,416	2,024	1,554	1,266	1,187
Alternative B	1,273	1,280	1,424	2,294	2,445	2,677	2,685	2,634	2,264	1,801	1,464	1,370
Difference	168	169	170	114	96	99	161	218	239	247	198	183
Percent Difference	15.2%	15.2%	13.6%	5.2%	4.1%	3.8%	6.4%	9.0%	11.8%	15.9%	15.6%	15.4%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

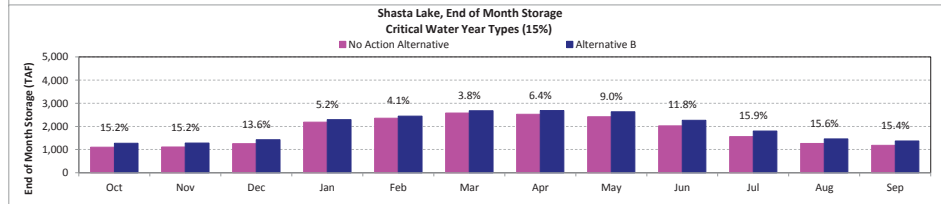
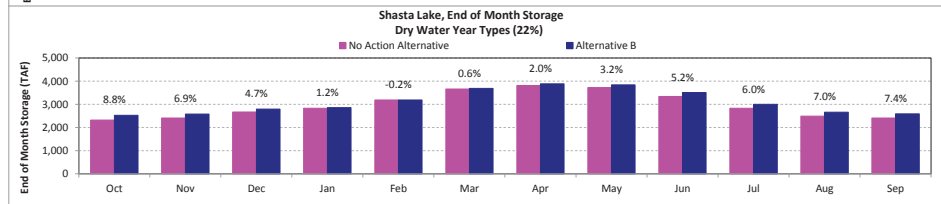
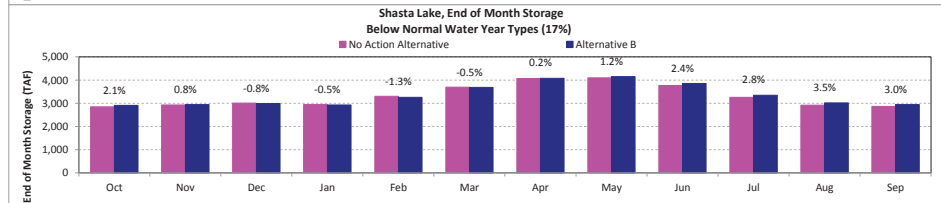
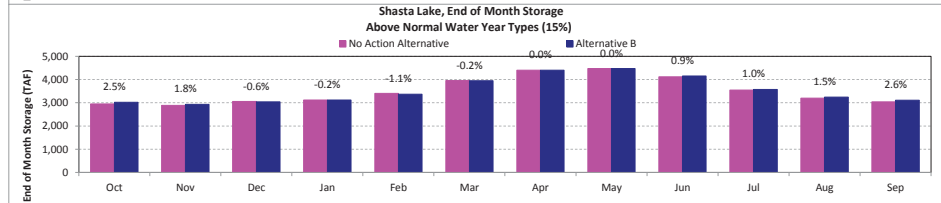
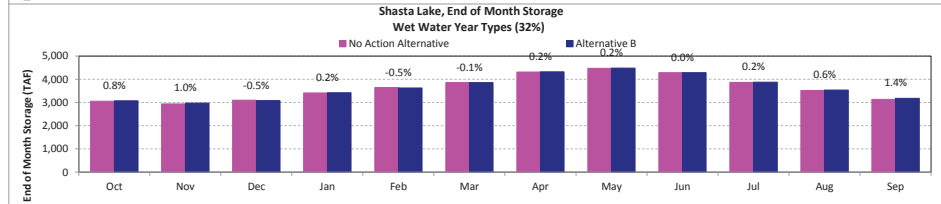
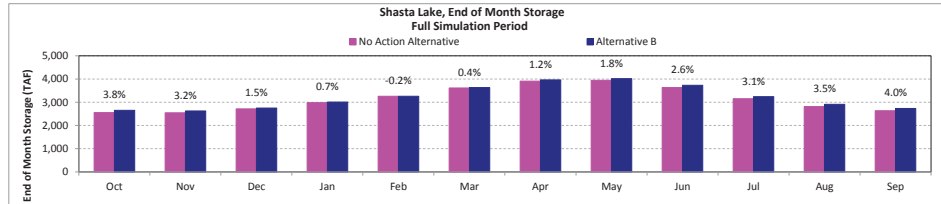


Figure SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

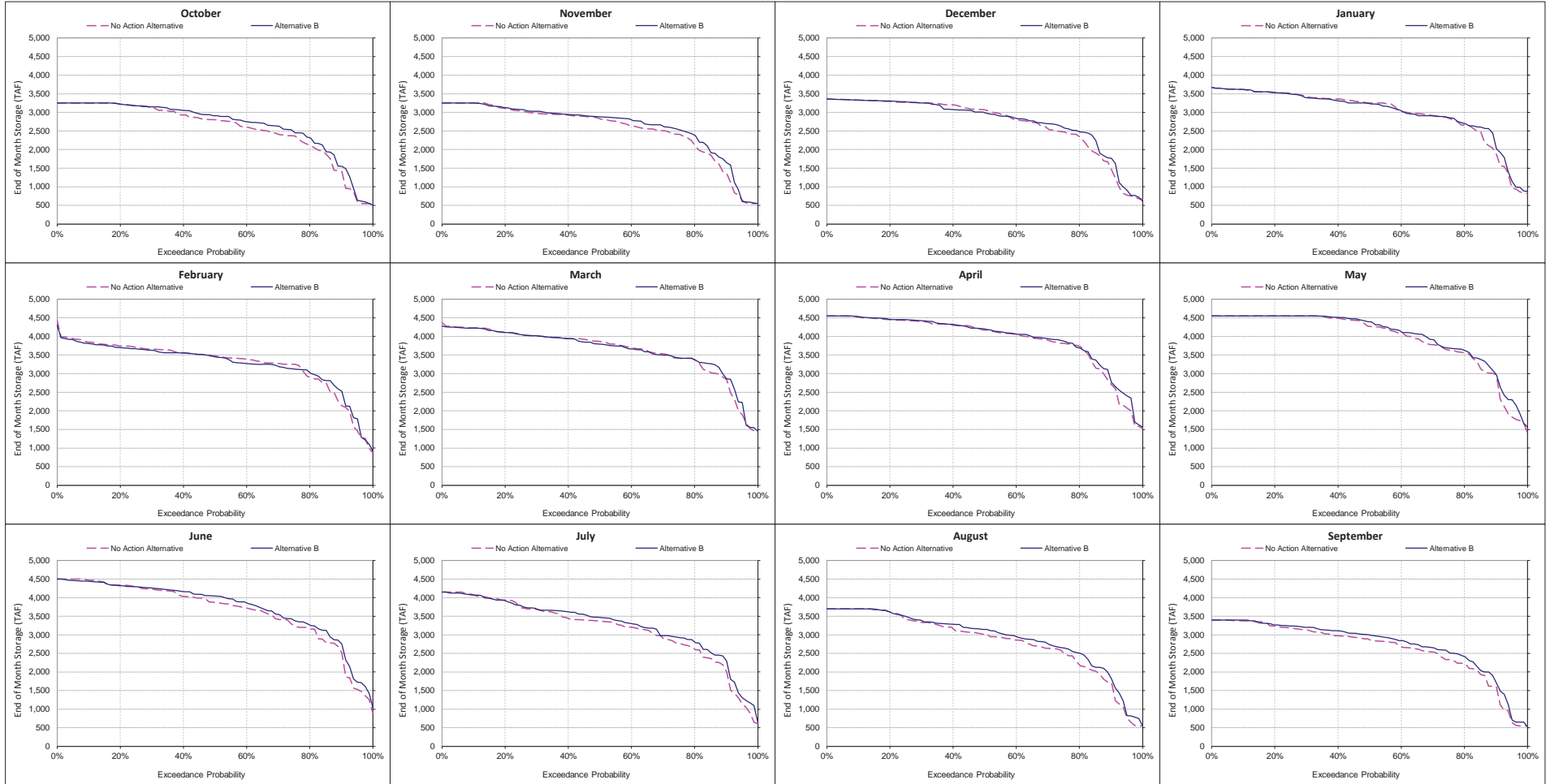


Table SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,250	3,250	0	0.0%
8.6%	3,250	3,250	0	0.0%
9.9%	3,250	3,250	0	0.0%
11.1%	3,250	3,250	0	0.0%
12.3%	3,250	3,250	0	0.0%
13.6%	3,250	3,250	0	0.0%
14.8%	3,250	3,250	0	0.0%
16.0%	3,250	3,250	0	0.0%
17.3%	3,250	3,249	-1	0.0%
18.5%	3,250	3,244	-6	-0.2%
19.8%	3,217	3,228	10	0.3%
21.0%	3,210	3,216	6	0.2%
22.2%	3,209	3,194	-15	-0.5%
23.5%	3,198	3,184	-15	-0.5%
24.7%	3,196	3,177	-9	-0.3%
25.9%	3,184	3,174	-9	-0.3%
27.2%	3,173	3,156	-16	-0.5%
28.4%	3,160	3,153	-8	-0.2%
29.6%	3,121	3,150	29	0.9%
30.9%	3,110	3,150	40	1.3%
32.1%	3,061	3,149	88	2.9%
33.3%	3,055	3,135	79	2.6%
34.6%	3,048	3,127	79	2.6%
35.8%	3,033	3,088	55	1.8%
37.0%	3,029	3,078	47	1.5%
38.3%	2,946	3,069	123	4.2%
39.5%	2,931	3,060	129	4.4%
40.7%	2,931	3,054	123	4.2%
42.0%	2,871	3,041	169	5.9%
43.2%	2,866	2,999	133	4.7%
44.4%	2,863	2,973	110	3.9%
45.7%	2,825	2,946	122	4.3%
46.9%	2,812	2,942	130	4.6%
48.1%	2,804	2,939	135	4.8%
49.4%	2,804	2,914	110	3.9%
50.6%	2,796	2,908	112	4.0%
51.9%	2,775	2,891	116	4.2%
53.1%	2,769	2,890	121	4.4%
54.3%	2,758	2,887	129	4.7%
55.6%	2,758	2,816	57	2.1%
56.8%	2,709	2,802	92	3.4%
58.0%	2,622	2,793	171	6.5%
59.3%	2,610	2,755	145	5.6%
60.5%	2,598	2,743	145	5.6%
61.7%	2,589	2,732	163	6.3%
63.0%	2,540	2,730	191	7.5%
64.2%	2,537	2,716	179	7.0%
65.4%	2,515	2,710	195	7.8%
66.7%	2,502	2,653	151	6.0%
67.9%	2,450	2,647	197	8.0%
69.1%	2,443	2,639	195	8.0%
70.4%	2,400	2,621	222	9.2%
71.6%	2,395	2,551	156	6.5%
72.8%	2,373	2,544	172	7.2%
74.1%	2,372	2,535	162	6.8%
75.3%	2,365	2,452	87	3.7%
76.5%	2,268	2,450	182	8.0%
77.8%	2,200	2,442	242	11.0%
79.0%	2,147	2,336	189	8.8%
80.2%	2,108	2,310	202	9.6%
81.5%	2,045	2,173	128	6.3%
82.7%	1,983	2,161	178	9.0%
84.0%	1,960	2,122	162	8.3%
85.2%	1,870	1,944	74	3.9%
86.4%	1,758	1,817	179	10.2%
87.7%	1,448	1,854	406	28.1%
88.9%	1,437	1,559	122	8.5%
90.1%	1,410	1,548	138	9.8%
91.4%	953	1,489	536	56.2%
92.6%	826	1,273	447	54.4%
93.8%	867	959	91	10.5%
95.1%	591	636	44	7.5%
96.3%	550	615	65	11.9%
97.5%	550	594	44	8.1%
98.8%	550	550	0	0.0%
100.0%	550	504	-46	-8.3%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,252	3,252	0	0.0%
9.9%	3,252	3,252	0	0.0%
11.1%	3,252	3,244	-8	-0.2%
12.3%	3,252	3,241	-11	-0.3%
13.6%	3,252	3,217	-35	-1.1%
14.8%	3,214	3,175	-39	-1.2%
16.0%	3,194	3,172	-22	-0.7%
17.3%	3,153	3,163	9	0.3%
18.5%	3,122	3,157	35	1.1%
19.8%	3,110	3,126	16	0.5%
21.0%	3,101	3,117	16	0.5%
22.2%	3,061	3,096	34	1.1%
23.5%	3,048	3,084	35	1.2%
24.7%	3,046	3,078	32	1.1%
25.9%	3,019	3,070	51	1.7%
27.2%	3,001	3,038	36	1.2%
28.4%	3,153	3,032	-44	-1.5%
29.6%	2,987	3,029	43	1.4%
30.9%	2,966	3,029	62	2.1%
32.1%	2,963	3,007	44	1.5%
33.3%	2,954	2,987	33	1.1%
34.6%	2,954	2,980	27	0.9%
35.8%	2,847	2,971	25	0.8%
37.0%	2,845	2,967	22	0.8%
38.3%	2,942	2,955	13	0.4%
39.5%	2,933	2,948	14	0.5%
40.7%	2,918	2,937	19	0.6%
42.0%	2,907	2,932	25	0.8%
43.2%	2,905	2,930	25	0.9%
44.4%	2,894	2,920	26	0.9%
45.7%	2,887	2,901	13	0.5%
46.9%	2,878	2,897	18	0.6%
48.1%	2,875	2,888	14	0.5%
49.4%	2,849	2,882	33	1.2%
50.6%	2,812	2,880	68	2.4%
51.9%	2,808	2,870	62	2.2%
53.1%	2,780	2,862	81	2.9%
54.3%	2,764	2,856	92	3.3%
55.6%	2,761	2,853	92	3.3%
56.8%	2,715	2,848	133	4.9%
58.0%	2,696	2,832	136	5.0%
59.3%	2,650	2,828	178	6.7%
60.5%	2,630	2,781	151	5.7%
61.7%	2,609	2,772	163	6.3%
63.0%	2,580	2,762	182	7.1%
64.2%	2,564	2,689	126	4.9%
65.4%	2,555	2,675	120	4.7%
66.7%	2,555	2,669	114	4.5%
67.9%	2,528	2,666	138	5.5%
69.1%	2,512	2,666	153	6.1%
70.4%	2,504	2,609	105	4.2%
71.6%	2,487	2,603	116	4.7%
72.8%	2,414	2,591	177	7.3%
74.1%	2,412	2,552	140	5.8%
75.3%	2,409	2,530	121	5.0%
76.5%	2,349	2,499	149	6.3%
77.8%	2,313	2,464	150	6.5%
79.0%	2,241	2,427	186	8.3%
80.2%	2,081	2,372	291	14.0%
81.5%	1,974	2,198	224	11.3%
82.7%	1,934	2,190	256	13.3%
84.0%	1,915	2,100	185	9.6%
85.2%	1,841	1,912	71	3.8%
86.4%	1,690	1,900	210	12.4%
87.7%	1,612	1,798	185	11.5%
88.9%	1,411	1,750	339	24.0%
90.1%	1,363	1,650	286	21.0%
91.4%	1,115	1,582	467	41.9%
92.6%	836	1,414	577	69.2%
93.8%	780	1,141	361	46.5%
95.1%	632	600	-32	-5.1%
96.3%	566	590	24	4.3%
97.5%	552	583	32	5.7%
98.8%	550	564	14	2.6%
100.0%	550	550	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,367	3,360	-7	-0.2%
1.2%	3,360	3,360	0	0.0%
2.5%	3,350	3,349	-1	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,349	3,346	-3	-0.1%
6.2%	3,348	3,338	-9	-0.3%
7.4%	3,338	3,338	0	0.0%
8.6%	3,335	3,335	0	0.0%
9.9%	3,330	3,328	-2	-0.1%
11.1%	3,328	3,322	-6	-0.2%
12.3%	3,322	3,322	0	0.0%
13.6%	3,319	3,319	0	0.0%
14.8%	3,317	3,317	0	0.0%
16.0%	3,316	3,316	0	0.0%
17.3%	3,310	3,310	0	0.0%
18.5%	3,297	3,310	13	0.4%
19.8%	3,293	3,306	13	0.4%
21.0%	3,285	3,302	17	0.5%
22.2%	3,276	3,293	17	0.5%
23.5%	3,274	3,291	17	0.5%
24.7%	3,267	3,285	18	0.5%
25.9%	3,267	3,276	9	0.3%
27.2%	3,265	3,267	2	0.1%
28.4%	3,262	3,265	3	0.1%
29.6%	3,252	3,252	0	0.0%
30.9%	3,252	3,252	0	0.0%
32.1%	3,252	3,252	0	0.0%
33.3%	3,249	3,220	-29	-0.9%
34.6%	3,243	3,212	-31	-0.9%
35.8%	3,231	3,191	-40	-1.2%
37.0%	3,214	3,082	-132	-4.1%
38.3%	3,207	3,082	-124	-3.9%
39.5%	3,204	3,078	-127	-3.9%
40.7%	3,194	3,071	-123	-3.9%
42.0%	3,168	3,066	-102	-3.2%
43.2%	3,125	3,064	-59	-1.9%
44.4%	3,114	3,059	-55	-1.8%
45.7%	3,087	3,051	-36	-1.2%
46.9%	3,084	3,009	-75	-2.4%
48.1%	3,080	3,007	-73	-2.4%
49.4%	3,076	3,006	-71	-2.3%
50.6%	3,056	2,973	-83	-2.7%
51.9%	3,005	2,953	-52	-1.7%
53.1%	2,991	2,947	-44	-1.5%
54.3%	2,979	2,908	-71	-2.4%
55.6%	2,940	2,899	-40	-1.4%
56.8%	2,921	2,897	-24	-0.8%
58.0%	2,864	2,888	24	0.8%
59.3%	2,804	2,853	49	1.7%
60.5%	2,792	2,828	36	1.3%
61.7%	2,775	2,828	51	1.8%
63.0%	2,771	2,810	40	1.4%
64.2%	2,739	2,775	35	1.3%
65.4%	2,728	2,769	40	1.5%
66.7%	2,712	2,724	12	0.5%
67.9%	2,625	2,722	97	3.7%
69.1%	2,618	2,702	83	3.2%
70.4%	2,535	2,695	160	6.3%
71.6%	2,528	2,687	159	6.3%
72.8%	2,496	2,664	168	6.7%
74.1%	2,485	2,635	149	6.0%
75.3%	2,469	2,579	110	4.4%
76.5%	2,413	2,557	145	6.0%
77.8%	2,412	2,518	107	4.4%
79.0%	2,410	2,511	101	4.2%
80.2%	2,327	2,472	145	6.2%
81.5%	2,210	2,462	252	11.4%
82.7%	2,071	2,445	373	18.0%
84.0%	1,963	2,385	421	21.5%
85.2%	1,907	2,238	331	17.4%
86.4%	1,834	1,905	71	3.9%
87.7%	1,695	1,835	140	8.3%
88.9%	1,675	1,782	107	6.4%
90.1%	1,458	1,765	308	21.1%
91.4%	1,231	1,628	397	32.3%
92.6%	980	1,111	131	13.4%
93.8%	826	1,000	174	21.1%
95.1%	777	911	133	17.2%
96.3%	750	771	20	2.7%
97.5%	728	767		

Table SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,433	4,310	-123	-2.8%	
1.2%	3,994	3,966	-29	-0.7%	
2.5%	3,986	3,944	-42	-1.0%	
3.7%	3,965	3,920	-45	-1.1%	
4.9%	3,944	3,914	-30	-0.8%	
6.2%	3,920	3,869	-51	-1.3%	
7.4%	3,914	3,848	-66	-1.7%	
8.6%	3,877	3,820	-57	-1.5%	
9.9%	3,848	3,813	-35	-0.9%	
11.1%	3,848	3,794	-54	-1.4%	
12.3%	3,805	3,778	-28	-0.7%	
13.6%	3,794	3,777	-17	-0.4%	
14.8%	3,787	3,772	-15	-0.4%	
16.0%	3,777	3,743	-35	-0.9%	
17.3%	3,777	3,739	-38	-1.0%	
18.5%	3,772	3,710	-62	-1.6%	
19.8%	3,743	3,700	-43	-1.1%	
21.0%	3,739	3,694	-45	-1.2%	
22.2%	3,737	3,685	-52	-1.4%	
23.5%	3,734	3,675	-59	-1.6%	
24.7%	3,713	3,668	-45	-1.2%	
25.9%	3,694	3,661	-33	-0.9%	
27.2%	3,675	3,654	-21	-0.6%	
28.4%	3,661	3,636	-25	-0.7%	
29.6%	3,654	3,629	-25	-0.7%	
30.9%	3,654	3,626	-28	-0.8%	
32.1%	3,647	3,579	-68	-1.9%	
33.3%	3,642	3,570	-73	-2.0%	
34.6%	3,636	3,567	-69	-1.9%	
35.8%	3,636	3,561	-75	-2.1%	
37.0%	3,597	3,560	-37	-1.0%	
38.3%	3,570	3,557	-13	-0.4%	
39.5%	3,567	3,557	-10	-0.3%	
40.7%	3,560	3,552	-8	-0.2%	
42.0%	3,536	3,548	12	0.3%	
43.2%	3,530	3,530	0	0.0%	
44.4%	3,516	3,521	5	0.1%	
45.7%	3,515	3,516	1	0.0%	
46.9%	3,503	3,503	0	0.0%	
48.1%	3,501	3,480	-21	-0.6%	
49.4%	3,480	3,462	-18	-0.5%	
50.6%	3,470	3,443	-26	-0.8%	
51.9%	3,462	3,431	-31	-0.9%	
53.1%	3,431	3,423	-8	-0.2%	
54.3%	3,423	3,381	-42	-1.2%	
55.6%	3,420	3,307	-114	-3.3%	
56.8%	3,410	3,292	-118	-3.5%	
58.0%	3,402	3,288	-114	-3.4%	
59.3%	3,397	3,282	-115	-3.4%	
60.5%	3,373	3,266	-107	-3.2%	
61.7%	3,370	3,252	-118	-3.5%	
63.0%	3,341	3,252	-89	-2.7%	
64.2%	3,327	3,252	-75	-2.3%	
65.4%	3,292	3,252	-40	-1.2%	
66.7%	3,288	3,250	-38	-1.2%	
67.9%	3,288	3,247	-41	-1.3%	
69.1%	3,282	3,224	-58	-1.7%	
70.4%	3,272	3,182	-90	-2.8%	
71.6%	3,252	3,172	-80	-2.5%	
72.8%	3,252	3,142	-110	-3.4%	
74.1%	3,252	3,135	-117	-3.6%	
75.3%	3,252	3,123	-129	-4.0%	
76.5%	3,217	3,117	-101	-3.1%	
77.8%	3,073	3,106	33	1.1%	
79.0%	2,937	3,101	164	5.6%	
80.2%	2,890	3,006	116	4.0%	
81.5%	2,859	2,975	116	4.1%	
82.7%	2,855	2,930	75	2.6%	
84.0%	2,753	2,836	83	3.0%	
85.2%	2,746	2,812	66	2.4%	
86.4%	2,510	2,811	302	12.0%	
87.7%	2,492	2,688	196	7.9%	
88.9%	2,265	2,592	327	14.5%	
90.1%	2,134	2,526	392	18.4%	
91.4%	2,094	2,131	37	1.8%	
92.6%	1,981	2,123	142	7.2%	
93.8%	1,580	1,814	234	14.8%	
95.1%	1,457	1,789	333	22.8%	
96.3%	1,268	1,293	25	1.9%	
97.5%	1,265	1,215	-50	-3.9%	
98.8%	992	1,100	108	10.9%	
100.0%	872	914	43	4.9%	

March					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,375	4,290	-85	-2.2%	
1.2%	4,280	4,258	-22	-0.5%	
2.5%	4,273	4,253	-20	-0.5%	
3.7%	4,256	4,249	-7	-0.2%	
4.9%	4,253	4,246	-7	-0.2%	
6.2%	4,249	4,249	0	0.0%	
7.4%	4,246	4,226	-20	-0.5%	
8.6%	4,229	4,226	-3	-0.1%	
9.9%	4,226	4,222	-4	-0.1%	
11.1%	4,226	4,221	-5	-0.1%	
12.3%	4,222	4,220	-2	-0.1%	
13.6%	4,221	4,199	-22	-0.5%	
14.8%	4,199	4,162	-37	-0.9%	
16.0%	4,162	4,159	-3	-0.1%	
17.3%	4,129	4,129	0	0.0%	
18.5%	4,124	4,118	-6	-0.1%	
19.8%	4,118	4,106	-12	-0.3%	
21.0%	4,106	4,105	-1	0.0%	
22.2%	4,105	4,096	-9	-0.2%	
23.5%	4,086	4,071	-15	-0.4%	
24.7%	4,071	4,059	-13	-0.3%	
25.9%	4,033	4,033	0	0.0%	
27.2%	4,030	4,030	0	0.0%	
28.4%	4,022	4,022	0	0.0%	
29.6%	4,021	4,021	0	0.0%	
30.9%	4,010	4,010	0	0.0%	
32.1%	4,000	4,000	0	0.0%	
33.3%	3,980	3,980	0	0.0%	
34.6%	3,976	3,976	0	0.0%	
35.8%	3,970	3,970	0	0.0%	
37.0%	3,965	3,965	0	0.0%	
38.3%	3,956	3,953	-3	-0.1%	
39.5%	3,953	3,940	-13	-0.3%	
40.7%	3,943	3,940	-3	-0.1%	
42.0%	3,940	3,929	-11	-0.3%	
43.2%	3,940	3,923	-17	-0.4%	
44.4%	3,927	3,852	-75	-1.9%	
45.7%	3,918	3,847	-71	-1.8%	
46.9%	3,891	3,846	-46	-1.2%	
48.1%	3,874	3,804	-71	-1.8%	
49.4%	3,873	3,795	-78	-2.0%	
50.6%	3,859	3,793	-66	-1.7%	
51.9%	3,842	3,779	-63	-1.6%	
53.1%	3,797	3,756	-41	-1.1%	
54.3%	3,795	3,748	-47	-1.2%	
55.6%	3,778	3,742	-36	-1.0%	
56.8%	3,756	3,739	-17	-0.5%	
58.0%	3,732	3,698	-34	-0.9%	
59.3%	3,703	3,667	-36	-1.0%	
60.5%	3,688	3,666	-22	-0.6%	
61.7%	3,668	3,647	-21	-0.6%	
63.0%	3,641	3,641	0	0.0%	
64.2%	3,657	3,588	-69	-1.9%	
65.4%	3,589	3,587	-2	-0.1%	
66.7%	3,568	3,534	-34	-1.0%	
67.9%	3,543	3,509	-34	-1.0%	
69.1%	3,540	3,504	-36	-1.0%	
70.4%	3,534	3,501	-33	-0.9%	
71.6%	3,504	3,495	-9	-0.3%	
72.8%	3,435	3,471	36	1.1%	
74.1%	3,417	3,435	19	0.5%	
75.3%	3,416	3,417	1	0.0%	
76.5%	3,416	3,416	0	0.0%	
77.8%	3,416	3,416	0	0.0%	
79.0%	3,409	3,416	7	0.2%	
80.2%	3,359	3,352	-7	-0.2%	
81.5%	3,274	3,305	31	0.9%	
82.7%	3,113	3,297	184	5.9%	
84.0%	3,086	3,271	185	6.0%	
85.2%	3,018	3,266	248	8.2%	
86.4%	3,006	3,239	232	7.7%	
87.7%	2,985	3,173	188	6.3%	
88.9%	2,912	2,995	84	2.9%	
90.1%	2,839	2,860	22	0.8%	
91.4%	2,479	2,848	369	14.9%	
92.6%	2,307	2,565	258	11.2%	
93.8%	2,001	2,241	240	12.0%	
95.1%	1,896	2,228	332	17.5%	
96.3%	1,659	1,609	-50	-3.0%	
97.5%	1,527	1,558	31	2.0%	
98.8%	1,465	1,547	82	5.6%	
100.0%	1,455	1,451	-3	-0.2%	

April					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,552	4,552	0	0.0%	
1.2%	4,552	4,552	0	0.0%	
2.5%	4,552	4,552	0	0.0%	
3.7%	4,552	4,552	0	0.0%	
4.9%	4,552	4,552	0	0.0%	
6.2%	4,552	4,552	0	0.0%	
7.4%	4,546	4,551	5	0.1%	
8.6%	4,541	4,546	5	0.1%	
9.9%	4,522	4,536	14	0.3%	
11.1%	4,503	4,518	15	0.3%	
12.3%	4,500	4,507	7	0.1%	
13.6%	4,499	4,500	1	0.0%	
14.8%	4,488	4,498	10	0.2%	
16.0%	4,479	4,498	19	0.4%	
17.3%	4,470	4,488	17	0.4%	
18.5%	4,461	4,479	18	0.4%	
19.8%	4,456	4,459	3	0.1%	
21.0%	4,451	4,456	5	0.1%	
22.2%	4,442	4,456	14	0.3%	
23.5%	4,438	4,452	14	0.3%	
24.7%	4,434	4,451	17	0.4%	
25.9%	4,432	4,445	13	0.3%	
27.2%	4,418	4,440	22	0.5%	
28.4%	4,418	4,434	16	0.4%	
29.6%	4,398	4,427	30	0.7%	
30.9%	4,396	4,415	20	0.5%	
32.1%	4,380	4,405	25	0.6%	
33.3%	4,341	4,405	63	1.5%	
34.6%	4,334	4,364	30	0.7%	
35.8%	4,332	4,350	17	0.4%	
37.0%	4,332	4,341	10	0.2%	
38.3%	4,329	4,329	0	0.0%	
39.5%	4,316	4,325	9	0.2%	
40.7%	4,292	4,315	23	0.5%	
42.0%	4,290	4,290	0	0.0%	
43.2%	4,289	4,289	0	0.0%	
44.4%	4,289	4,256	-33	-0.8%	
45.7%	4,271	4,227	-45	-1.0%	
46.9%	4,230	4,224	-6	-0.1%	
48.1%	4,217	4,217	0	0.0%	
49.4%	4,177	4,211	35	0.8%	
50.6%	4,173	4,191	18	0.4%	
51.9%	4,137	4,173	36	0.9%	
53.1%	4,131	4,137	6	0.1%	
54.3%	4,105	4,131	27	0.6%	
55.6%	4,094	4,121	27	0.7%	
56.8%	4,085	4,099	13	0.3%	
58.0%	4,074	4,094	20	0.5%	
59.3%	4,064	4,074	10	0.3%	
60.5%	4,058	4,059	1	0.0%	
61.7%	4,014	4,058	44	1.1%	
63.0%	4,001	4,053	52	1.3%	
64.2%	3,990	4,019	29	0.7%	
65.4%	3,952	3,977	25	0.6%	
66.7%	3,943	3,975	31	0.8%	
67.9%	3,928	3,963	35	0.9%	
69.1%	3,919	3,950	31	0.8%	
70.4%	3,888	3,938	50	1.3%	
71.6%	3,850	3,917	67	1.7%	
72.8%	3,843	3,914	72	1.9%	
74.1%	3,819	3,892	73	1.9%	
75.3%	3,812				

Table SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,500	4,500	0	0.0%	
1.2%	4,500	4,500	0	0.0%	
2.5%	4,500	4,486	-14	-0.3%	
3.7%	4,500	4,465	-35	-0.8%	
4.9%	4,500	4,457	-43	-1.0%	
6.2%	4,500	4,457	-43	-1.0%	
7.4%	4,500	4,445	-55	-1.2%	
8.6%	4,500	4,444	-56	-1.2%	
9.9%	4,465	4,443	-22	-0.5%	
11.1%	4,465	4,432	-33	-0.7%	
12.3%	4,463	4,423	-40	-0.9%	
13.6%	4,439	4,414	-25	-0.6%	
14.8%	4,420	4,412	-8	-0.2%	
16.0%	4,349	4,362	13	0.3%	
17.3%	4,348	4,336	-12	-0.3%	
18.5%	4,341	4,331	-11	-0.2%	
19.8%	4,339	4,322	-16	-0.4%	
21.0%	4,332	4,321	-11	-0.3%	
22.2%	4,329	4,299	-30	-0.7%	
23.5%	4,318	4,298	-20	-0.5%	
24.7%	4,287	4,296	9	0.2%	
25.9%	4,273	4,287	14	0.3%	
27.2%	4,244	4,279	34	0.8%	
28.4%	4,238	4,271	34	0.8%	
29.6%	4,226	4,264	38	0.9%	
30.9%	4,223	4,249	26	0.6%	
32.1%	4,199	4,244	45	1.1%	
33.3%	4,193	4,231	38	0.9%	
34.6%	4,187	4,223	35	0.8%	
35.8%	4,181	4,208	27	0.6%	
37.0%	4,165	4,193	29	0.7%	
38.3%	4,078	4,185	106	2.6%	
39.5%	4,036	4,168	132	3.3%	
40.7%	4,033	4,162	128	3.2%	
42.0%	4,027	4,155	128	3.2%	
43.2%	4,012	4,099	87	2.2%	
44.4%	3,990	4,092	102	2.6%	
45.7%	3,987	4,091	104	2.6%	
46.9%	3,973	4,056	83	2.1%	
48.1%	3,886	4,054	169	4.3%	
49.4%	3,881	4,049	168	4.3%	
50.6%	3,870	4,037	166	4.3%	
51.9%	3,852	4,033	181	4.7%	
53.1%	3,839	3,995	156	4.1%	
54.3%	3,832	3,970	138	3.6%	
55.6%	3,783	3,960	176	4.7%	
56.8%	3,774	3,895	121	3.2%	
58.0%	3,749	3,887	138	3.7%	
59.3%	3,737	3,885	148	4.0%	
60.5%	3,711	3,896	125	3.4%	
61.7%	3,682	3,813	131	3.6%	
63.0%	3,662	3,773	111	3.0%	
64.2%	3,659	3,741	82	2.3%	
65.4%	3,610	3,694	83	2.3%	
66.7%	3,565	3,648	83	2.3%	
67.9%	3,538	3,641	104	2.9%	
69.1%	3,429	3,557	127	3.7%	
70.4%	3,412	3,542	130	3.8%	
71.6%	3,412	3,454	42	1.2%	
72.8%	3,401	3,438	38	1.1%	
74.1%	3,299	3,435	136	4.1%	
75.3%	3,228	3,377	149	4.6%	
76.5%	3,201	3,351	150	4.7%	
77.8%	3,200	3,347	147	4.6%	
79.0%	3,200	3,306	106	3.3%	
80.2%	3,155	3,247	92	2.9%	
81.5%	3,152	3,238	86	2.7%	
82.7%	2,894	3,160	266	9.2%	
84.0%	2,886	3,127	242	8.4%	
85.2%	2,782	3,116	334	12.0%	
86.4%	2,779	2,946	167	6.0%	
87.7%	2,772	2,864	92	3.3%	
88.9%	2,690	2,860	170	6.3%	
90.1%	2,509	2,746	237	9.5%	
91.4%	1,869	2,320	451	24.1%	
92.6%	1,843	2,147	304	16.5%	
93.8%	1,563	1,813	251	16.0%	
95.1%	1,531	1,725	194	12.7%	
96.3%	1,476	1,716	240	16.2%	
97.5%	1,380	1,611	232	16.8%	
98.8%	1,260	1,428	168	13.4%	
100.0%	878	1,028	150	17.1%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	4,150	4,150	0	0.0%	
1.2%	4,150	4,150	0	0.0%	
2.5%	4,150	4,125	-25	-0.6%	
3.7%	4,150	4,122	-28	-0.7%	
4.9%	4,150	4,122	-28	-0.7%	
6.2%	4,150	4,115	-35	-0.8%	
7.4%	4,112	4,098	-15	-0.4%	
8.6%	4,100	4,080	-20	-0.5%	
9.9%	4,079	4,068	-11	-0.3%	
11.1%	4,039	4,065	26	0.6%	
12.3%	4,036	4,058	22	0.5%	
13.6%	4,026	3,994	-32	-0.8%	
14.8%	3,995	3,982	-13	-0.3%	
16.0%	3,975	3,965	-11	-0.3%	
17.3%	3,973	3,937	-36	-0.9%	
18.5%	3,943	3,936	-8	-0.2%	
19.8%	3,935	3,926	-9	-0.2%	
21.0%	3,931	3,887	-44	-1.1%	
22.2%	3,917	3,854	-63	-1.6%	
23.5%	3,866	3,803	-63	-1.6%	
24.7%	3,728	3,794	65	1.8%	
25.9%	3,718	3,743	25	0.7%	
27.2%	3,699	3,725	26	0.7%	
28.4%	3,698	3,723	26	0.7%	
29.6%	3,689	3,711	22	0.6%	
30.9%	3,677	3,663	-14	-0.4%	
32.1%	3,635	3,663	27	0.7%	
33.3%	3,623	3,661	38	1.1%	
34.6%	3,620	3,661	41	1.1%	
35.8%	3,685	3,650	-35	-1.0%	
37.0%	3,568	3,645	77	2.2%	
38.3%	3,480	3,638	158	4.6%	
39.5%	3,462	3,621	159	4.6%	
40.7%	3,413	3,609	196	5.7%	
42.0%	3,408	3,608	200	5.9%	
43.2%	3,408	3,599	153	4.5%	
44.4%	3,400	3,558	159	4.7%	
45.7%	3,389	3,532	143	4.2%	
46.9%	3,388	3,487	99	2.9%	
48.1%	3,380	3,475	95	2.8%	
49.4%	3,375	3,474	99	2.9%	
50.6%	3,361	3,459	98	2.9%	
51.9%	3,355	3,450	95	2.8%	
53.1%	3,346	3,448	102	3.0%	
54.3%	3,334	3,406	72	2.2%	
55.6%	3,278	3,383	105	3.2%	
56.8%	3,257	3,368	111	3.4%	
58.0%	3,207	3,330	123	3.8%	
59.3%	3,206	3,314	108	3.4%	
60.5%	3,200	3,289	89	2.8%	
61.7%	3,174	3,278	105	3.3%	
63.0%	3,149	3,219	70	2.2%	
64.2%	3,137	3,194	56	1.8%	
65.4%	3,113	3,182	68	2.2%	
66.7%	3,038	3,179	141	4.6%	
67.9%	2,984	3,150	166	5.5%	
69.1%	2,977	2,980	2	0.1%	
70.4%	2,880	2,979	99	3.4%	
71.6%	2,778	2,975	102	3.5%	
72.8%	2,846	2,959	113	4.0%	
74.1%	2,778	2,942	164	5.9%	
75.3%	2,770	2,919	149	5.4%	
76.5%	2,733	2,913	180	6.6%	
77.8%	2,712	2,872	160	5.9%	
79.0%	2,674	2,871	197	7.4%	
80.2%	2,600	2,792	192	7.4%	
81.5%	2,593	2,773	180	6.9%	
82.7%	2,397	2,608	211	8.8%	
84.0%	2,383	2,608	225	9.4%	
85.2%	2,361	2,517	156	6.6%	
86.4%	2,261	2,453	192	8.5%	
87.7%	2,258	2,451	193	8.6%	
88.9%	2,192	2,432	240	10.9%	
90.1%	1,997	2,295	298	14.9%	
91.4%	1,509	1,802	293	19.4%	
92.6%	1,423	1,729	306	21.5%	
93.8%	1,305	1,438	133	10.2%	
95.1%	1,139	1,305	166	14.6%	
96.3%	1,040	1,233	193	18.5%	
97.5%	897	1,165	268	29.8%	
98.8%	650	1,098	448	69.0%	
100.0%	606	646	39	6.5%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)	
0.0%	3,700	3,700	0	0.0%	
1.2%	3,700	3,700	0	0.0%	
2.5%	3,700	3,700	0	0.0%	
3.7%	3,700	3,700	0	0.0%	
4.9%	3,700	3,700	0	0.0%	
6.2%	3,700	3,700	0	0.0%	
7.4%	3,700	3,700	0	0.0%	
8.6%	3,700	3,700	0	0.0%	
9.9%	3,700	3,700	0	0.0%	
11.1%	3,700	3,700	0	0.0%	
12.3%	3,700	3,700	0	0.0%	
13.6%	3,700	3,699	-1	-0.0%	
14.8%	3,700	3,679	-21	-0.6%	
16.0%	3,682	3,676	-6	-0.2%	
17.3%	3,652	3,666	14	0.4%	
18.5%	3,651	3,659	8	0.2%	
19.8%	3,619	3,618	-1	-0.0%	
21.0%	3,592	3,569	-23	-0.6%	
22.2%	3,572	3,553	-19	-0.5%	
23.5%	3,539	3,527	-11	-0.3%	
24.7%	3,420	3,503	84	2.5%	
25.9%	3,402	3,464	62	1.8%	
27.2%	3,380	3,426	45	1.3%	
28.4%	3,367	3,407	40	1.2%	
29.6%	3,334	3,394	60	1.8%	
30.9%	3,347	3,347	0	0.0%	
32.1%	3,331	3,301	-30	-0.9%	
33.3%	3,297	3,343	46	1.4%	
34.6%	3,286	3,312	27	0.8%	
35.8%	3,250	3,303	52	1.6%	
37.0%	3,217	3,237	20	0.6%	
38.3%	3,210	3,294	84	2.6%	
39.5%	3,205	3,284	79	2.5%	
40.7%	3,112	3,279	167	5.4%	
42.0%	3,107	3,278	171	5.5%	
43.2%	3,090	3,200	110	3.6%	
44.4%	3,074	3,195	121	3.9%	
45.7%	3,066	3,171	105	3.4%	
46.9%	3,060	3,168	109	3.6%	
48.1%	3,039	3,162	123	4.1%	
49.4%	3,019	3,147	128	4.2%	
50.6%	3,017	3,146	129	4.3%	
51.9%	2,951	3,108	157	5.3%	
53.1%	2,947	3,105	159	5.4%	
54.3%	2,941	3,057	116	3.9%	
55.6%	2,931	3,024	93	3.2%	
56.8%	2,901	2,999	99	3.4%	
58.0%	2,897	2,988	91	3.1%	
59.3%	2,864	2,980	116	4.0%	
60.5%	2,858	2,933	75	2.6%	
61.7%	2,851	2,907	56	2.0%	
63.0%	2,793	2,890	97	3.5%	
64.2%	2,749	2,882	133	4.8%	
65.4%	2,701	2,871	170	6.3%	
66.7%	2,698	2,823	125	4.6%	
67.9%	2,673	2,817	144	5.4%	
69.1%	2,642	2,804	162	6.1%	
70.4%	2,635	2,743	108	4.1%	
71.6%	2,634	2,708	75	2.8%	
72.8%	2,617				

Table SW-08.5a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative B	985	984	991	1,003	1,015	1,031	1,044	1,046	1,034	1,014	998	990
Difference	5	5	3	2	0	1	2	3	4	5	5	6
Percent Difference ³	0.6%	0.5%	0.3%	0.2%	0.0%	0.1%	0.2%	0.3%	0.4%	0.5%	0.6%	0.6%
Water Year Types²												
Wet (32%)												
No Action Alternative	1,008	1,003	1,010	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,029	1,012
Alternative B	1,009	1,005	1,010	1,024	1,033	1,042	1,059	1,065	1,058	1,042	1,029	1,014
Difference	1	1	-1	0	-1	0	0	0	0	0	1	2
Percent Difference	0.1%	0.1%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%
Above Normal (15%)												
No Action Alternative	1,004	1,001	1,009	1,010	1,023	1,045	1,062	1,064	1,051	1,030	1,015	1,008
Alternative B	1,007	1,003	1,008	1,010	1,022	1,045	1,062	1,064	1,053	1,031	1,017	1,011
Difference	3	2	-1	0	-2	0	0	0	1	2	2	3
Percent Difference	0.3%	0.2%	-0.1%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.3%
Below Normal (17%)												
No Action Alternative	999	1,002	1,006	1,000	1,017	1,034	1,049	1,050	1,038	1,017	1,002	999
Alternative B	1,001	1,003	1,005	1,000	1,015	1,033	1,049	1,052	1,041	1,021	1,006	1,003
Difference	3	1	-1	-1	-2	-1	0	2	3	4	4	4
Percent Difference	0.3%	0.1%	-0.1%	-0.1%	-0.2%	-0.1%	0.0%	0.2%	0.3%	0.4%	0.4%	0.4%
Dry (22%)												
No Action Alternative	972	976	988	994	1,012	1,032	1,038	1,035	1,020	997	980	977
Alternative B	982	985	994	997	1,012	1,034	1,042	1,040	1,027	1,005	989	986
Difference	10	9	6	3	0	1	3	5	7	8	9	9
Percent Difference	1.1%	0.9%	0.6%	0.3%	0.0%	0.1%	0.3%	0.5%	0.7%	0.8%	0.9%	1.0%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative B	897	898	911	965	975	989	990	987	966	938	913	905
Difference	13	13	12	8	6	5	9	12	14	18	15	14
Percent Difference	1.4%	1.4%	1.3%	0.8%	0.6%	0.5%	0.9%	1.2%	1.5%	2.0%	1.7%	1.5%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

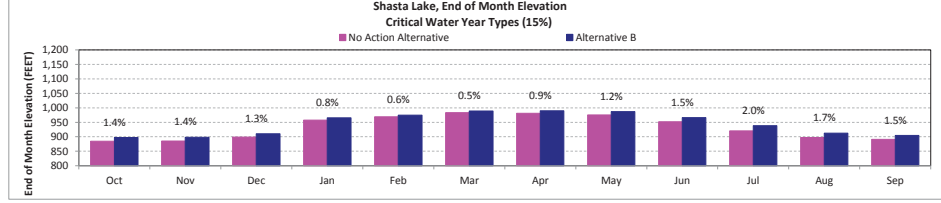
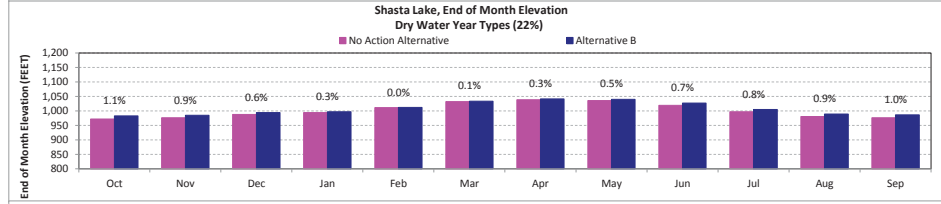
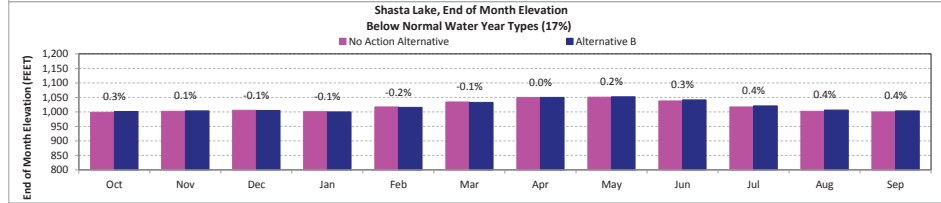
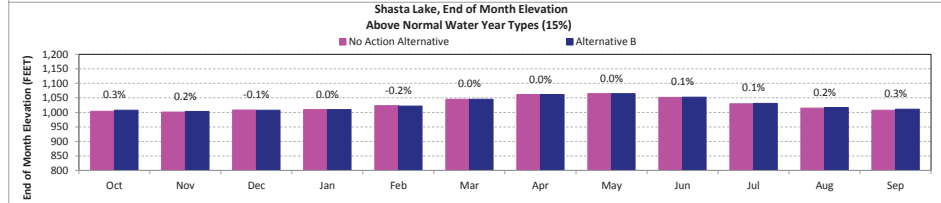
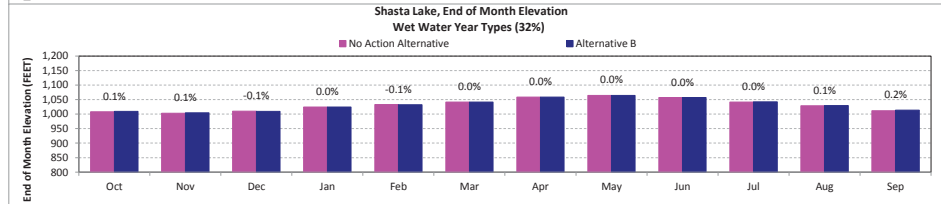
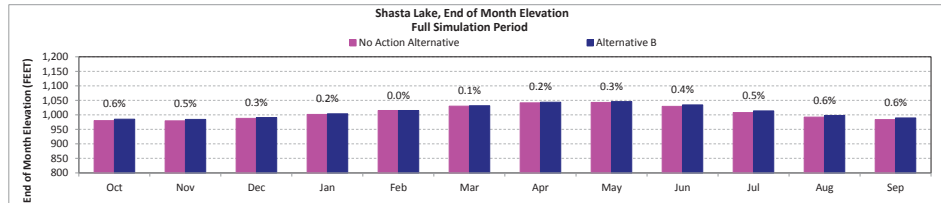


Figure SW-08-5b
Shasta Lake, End of Month Elevation
Probability of Exceedance

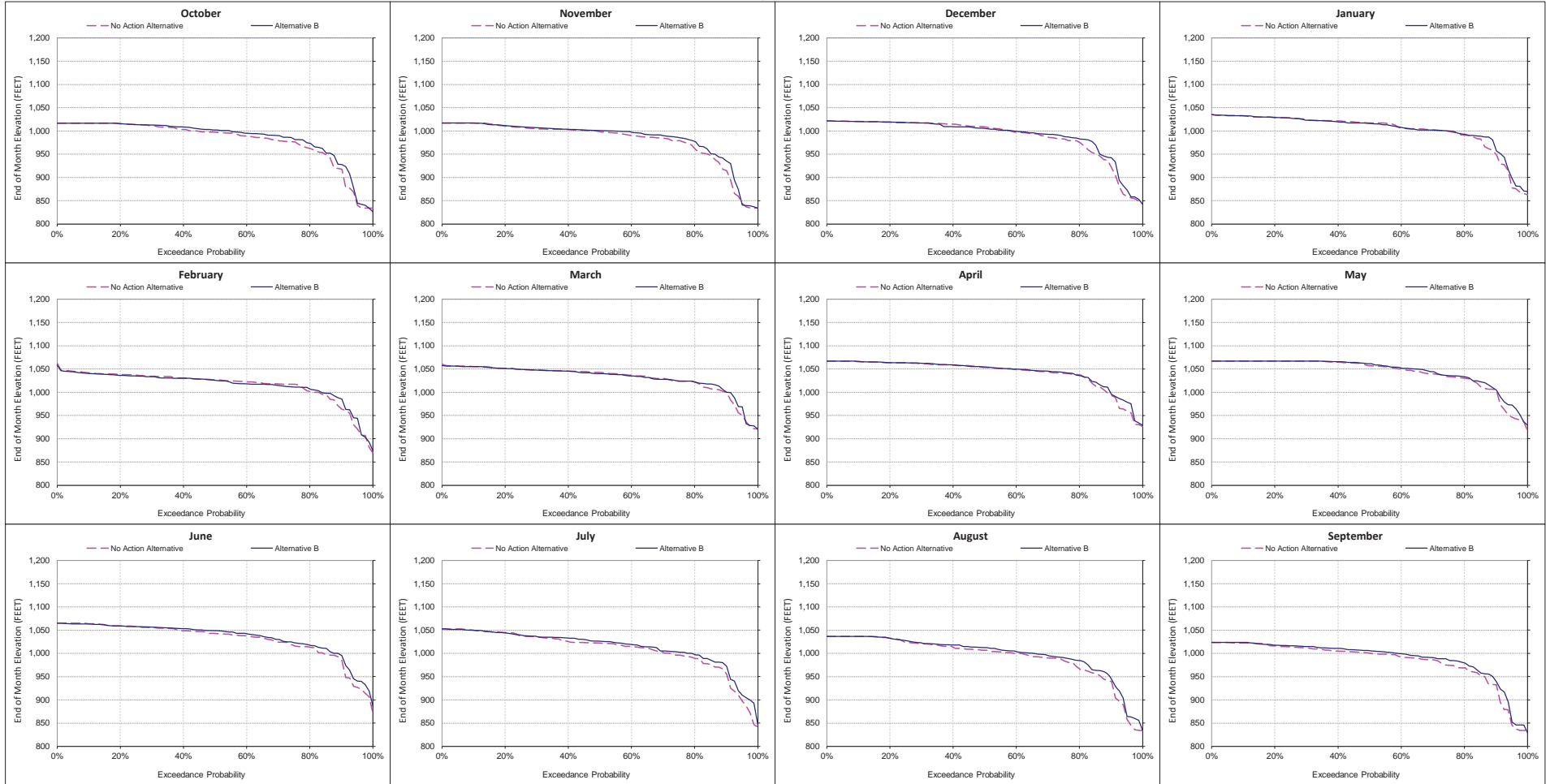


Table SW-08-5b
Shasta Lake, End of Month Elevation
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,017	1,017	0	0.0%
16.0%	1,017	1,017	0	0.0%
17.3%	1,017	1,017	0	0.0%
18.5%	1,017	1,017	0	0.0%
19.8%	1,015	1,016	0	0.0%
21.0%	1,015	1,015	0	0.0%
22.2%	1,015	1,014	-1	-0.1%
23.5%	1,015	1,014	-1	-0.1%
24.7%	1,014	1,014	0	0.0%
25.9%	1,014	1,014	0	0.0%
27.2%	1,014	1,013	-1	-0.1%
28.4%	1,013	1,013	0	0.0%
29.6%	1,011	1,013	1	0.1%
30.9%	1,011	1,013	2	0.2%
32.1%	1,009	1,013	4	0.4%
33.3%	1,008	1,012	3	0.3%
34.6%	1,008	1,012	3	0.3%
35.8%	1,007	1,010	2	0.2%
37.0%	1,007	1,009	2	0.2%
38.3%	1,004	1,009	5	0.5%
39.5%	1,003	1,009	6	0.6%
40.7%	1,003	1,008	5	0.5%
42.0%	1,000	1,008	7	0.7%
43.2%	1,000	1,006	6	0.6%
44.4%	1,000	1,005	5	0.5%
45.7%	998	1,004	5	0.5%
46.9%	998	1,004	6	0.6%
48.1%	998	1,003	6	0.6%
49.4%	998	1,002	5	0.5%
50.6%	997	1,002	5	0.5%
51.9%	996	1,001	5	0.5%
53.1%	996	1,001	5	0.5%
54.3%	996	1,001	6	0.6%
55.6%	996	998	2	0.3%
56.8%	993	997	4	0.4%
58.0%	990	997	7	0.7%
59.3%	989	995	6	0.6%
60.5%	989	995	6	0.6%
61.7%	987	994	7	0.7%
63.0%	986	994	8	0.8%
64.2%	986	994	8	0.8%
65.4%	985	993	8	0.9%
66.7%	984	991	7	0.7%
67.9%	981	991	9	1.0%
69.1%	981	990	9	1.0%
70.4%	978	990	11	1.1%
71.6%	978	987	8	0.9%
72.8%	977	986	9	1.0%
74.1%	977	986	9	0.9%
75.3%	977	981	5	0.5%
76.5%	971	981	10	1.1%
77.8%	967	981	14	1.4%
79.0%	964	975	11	1.1%
80.2%	962	973	11	1.2%
81.5%	958	966	7	0.8%
82.7%	955	965	10	1.1%
84.0%	954	963	9	1.0%
85.2%	948	953	4	0.4%
86.4%	942	952	10	1.1%
87.7%	921	948	27	2.9%
88.9%	920	929	9	1.0%
90.1%	918	928	10	1.1%
91.4%	878	924	46	5.2%
92.6%	877	908	31	3.5%
93.8%	869	878	9	1.1%
95.1%	840	845	5	0.5%
96.3%	834	843	8	1.0%
97.5%	834	840	6	0.7%
98.8%	834	834	0	0.0%
100.0%	834	834	-8	-0.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,015	-2	-0.1%
14.8%	1,015	1,014	-2	-0.2%
16.0%	1,014	1,014	-1	-0.1%
17.3%	1,013	1,013	0	0.0%
18.5%	1,011	1,013	2	0.2%
19.8%	1,011	1,012	1	0.1%
21.0%	1,010	1,011	1	0.1%
22.2%	1,009	1,010	1	0.1%
23.5%	1,008	1,010	2	0.2%
24.7%	1,008	1,009	1	0.1%
25.9%	1,007	1,009	2	0.2%
27.2%	1,006	1,008	2	0.2%
28.4%	1,006	1,007	2	0.2%
29.6%	1,005	1,007	2	0.2%
30.9%	1,005	1,007	3	0.3%
32.1%	1,004	1,006	2	0.2%
33.3%	1,004	1,005	1	0.1%
34.6%	1,004	1,005	1	0.1%
35.8%	1,004	1,005	1	0.1%
37.0%	1,004	1,005	1	0.1%
38.3%	1,004	1,004	1	0.1%
39.5%	1,003	1,004	1	0.1%
40.7%	1,002	1,003	1	0.1%
42.0%	1,002	1,003	1	0.1%
43.2%	1,002	1,003	1	0.1%
44.4%	1,001	1,003	2	0.2%
45.7%	1,001	1,002	1	0.1%
46.9%	1,001	1,002	1	0.1%
48.1%	1,001	1,001	1	0.1%
49.4%	1,001	1,001	1	0.1%
50.6%	1,008	1,001	3	0.3%
51.9%	998	1,000	3	0.3%
53.1%	997	1,000	4	0.4%
54.3%	996	1,000	4	0.4%
55.6%	996	1,000	4	0.4%
56.8%	994	999	6	0.6%
58.0%	993	999	6	0.6%
59.3%	991	999	8	0.8%
60.5%	990	997	7	0.7%
61.7%	989	996	7	0.7%
63.0%	988	996	8	0.8%
64.2%	987	993	5	0.6%
65.4%	987	992	5	0.5%
66.7%	987	992	5	0.5%
67.9%	986	992	6	0.6%
69.1%	985	992	7	0.7%
70.4%	984	989	5	0.5%
71.6%	983	989	5	0.6%
72.8%	979	988	9	0.9%
74.1%	979	987	7	0.8%
75.3%	978	986	7	0.7%
76.5%	976	984	8	0.9%
77.8%	974	982	8	0.9%
79.0%	969	980	11	1.1%
80.2%	960	977	17	1.7%
81.5%	954	967	13	1.3%
82.7%	952	967	15	1.5%
84.0%	951	961	10	1.1%
85.2%	947	951	4	0.4%
86.4%	939	950	12	1.3%
87.7%	933	944	12	1.3%
88.9%	918	942	24	2.6%
90.1%	914	935	21	2.3%
91.4%	894	930	36	4.0%
92.6%	894	934	39	4.3%
93.8%	860	882	15	1.7%
95.1%	844	841	-3	-0.4%
96.3%	837	840	3	0.3%
97.5%	835	839	5	0.6%
98.8%	834	837	2	0.3%
100.0%	834	834	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,022	1,022	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,021	1,021	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,020	0	0.0%
17.3%	1,020	1,020	0	0.0%
18.5%	1,019	1,020	1	0.1%
19.8%	1,019	1,019	1	0.1%
21.0%	1,018	1,019	1	0.1%
22.2%	1,018	1,019	1	0.1%
23.5%	1,018	1,019	1	0.1%
24.7%	1,018	1,019	1	0.1%
25.9%	1,018	1,018	0	0.0%
27.2%	1,018	1,018	0	0.0%
28.4%	1,017	1,018	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,017	0	0.0%
33.3%	1,017	1,016	-1	-0.1%
34.6%	1,017	1,015	-1	-0.1%
35.8%	1,016	1,014	-2	-0.2%
37.0%	1,015	1,010	-6	-0.6%
38.3%	1,015	1,010	-5	-0.5%
39.5%	1,015	1,009	-5	-0.5%
40.7%	1,014	1,009	-5	-0.5%
42.0%	1,013	1,009	-4	-0.4%
43.2%	1,011	1,009	-3	-0.3%
44.4%	1,011	1,009	-2	-0.2%
45.7%	1,010	1,008	-2	-0.2%
46.9%	1,010	1,006	-3	-0.3%
48.1%	1,010	1,006	-3	-0.3%
49.4%	1,009	1,006	-3	-0.3%
50.6%	1,008	1,005	-4	-0.4%
51.9%	1,006	1,004	-2	-0.2%
53.1%	1,006	1,004	-2	-0.2%
54.3%	1,005	1,002	-3	-0.3%
55.6%	1,003	1,002	-2	-0.2%
56.8%	1,003	1,002	-1	-0.1%
58.0%	1,000	1,001	1	0.1%
59.3%	998	1,000	2	0.2%
60.5%	997	999	2	0.2%
61.7%	996	998	2	0.2%
63.0%	996	998	2	0.2%
64.2%	995	996	2	0.2%
65.4%	994	992	2	0.2%
66.7%	994	994	1	0.1%
67.9%	990	994	4	0.4%
69.1%	989	993	4	0.4%
70.4%	986	993	7	0.7%
71.6%	986	992	5	0.6%
72.8%	984	991	8	0.8%
74.1%	983	990	7	0.7%
75.3%	982	988	7	0.7%
76.5%	979	987	8	0.8%
77.8%	979	985	6	0.6%
79.0%	979	985	6	0.6%
80.2%	974	983	8	0.8%
81.5%	968	982	14	1.5%
82.7%	960	981	21	2.2%
84.0%	954	978	24	2.5%
85.2%	951	969	19	2.0%
86.4%	946	950	4	0.4%
87.7%	938	946	8	0.8%
88.9%	937	943	6	0.7%
90.1%	921	943	21	2.3%
91.4%	905	934	29	3.2%
92.6%	894	930	36	4.0%
93.8%	864	882	18	2.1%
95.1%	859	873	14	1.6%
96.3%	857	859	2	0.2%
97.5%	854	858	4	0.5%
98.8%	849	853	4	0.4%
100.0%	848	842	-5	-0.6%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,035	0	0.0%
1.2%	1,034	1,034	0	0.0%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,034	1,033	0	0.0%
6.2%	1,033	1,033	0	0.0%
7.4%	1,033	1,033	0	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033			

Table SW-08-5b
Shasta Lake, End of Month Elevation
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1.063	1.061	-1	-0.4%	
1.2%	1.047	1.046	-1	-0.1%	
2.5%	1.047	1.045	-1	-0.1%	
3.7%	1.046	1.044	-2	-0.2%	
4.9%	1.045	1.044	-1	-0.1%	
6.2%	1.044	1.043	-2	-0.2%	
7.4%	1.044	1.042	-2	-0.2%	
8.6%	1.043	1.041	-2	-0.2%	
9.9%	1.042	1.041	-1	-0.1%	
11.1%	1.042	1.040	-2	-0.2%	
12.3%	1.040	1.039	-1	-0.1%	
13.6%	1.040	1.039	-1	-0.1%	
14.8%	1.040	1.039	-1	-0.1%	
16.0%	1.039	1.038	-1	-0.1%	
17.3%	1.039	1.038	-1	-0.1%	
18.5%	1.039	1.037	-2	-0.2%	
19.8%	1.038	1.036	-2	-0.2%	
21.0%	1.038	1.036	-2	-0.2%	
22.2%	1.038	1.036	-2	-0.2%	
23.5%	1.038	1.035	-2	-0.2%	
24.7%	1.037	1.035	-2	-0.2%	
25.9%	1.036	1.035	-1	-0.1%	
27.2%	1.035	1.034	-1	-0.1%	
28.4%	1.035	1.034	-1	-0.1%	
29.6%	1.034	1.033	-1	-0.1%	
30.9%	1.034	1.033	-1	-0.1%	
32.1%	1.034	1.031	-3	-0.3%	
33.3%	1.034	1.031	-3	-0.3%	
34.6%	1.034	1.031	-3	-0.3%	
35.8%	1.034	1.030	-3	-0.3%	
37.0%	1.032	1.030	-2	-0.2%	
38.3%	1.031	1.030	-1	-0.1%	
39.5%	1.031	1.030	0	0.0%	
40.7%	1.030	1.030	0	0.0%	
42.0%	1.029	1.030	1	0.1%	
43.2%	1.029	1.029	0	0.0%	
44.4%	1.028	1.029	0	0.0%	
45.7%	1.028	1.028	0	0.0%	
46.9%	1.028	1.028	0	0.0%	
48.1%	1.028	1.027	-1	-0.1%	
49.4%	1.027	1.028	1	0.1%	
50.6%	1.026	1.025	-1	-0.1%	
51.9%	1.026	1.025	-1	-0.1%	
53.1%	1.025	1.024	0	0.0%	
54.3%	1.024	1.023	-2	-0.2%	
55.6%	1.024	1.019	-5	-0.5%	
56.8%	1.024	1.019	-5	-0.5%	
58.0%	1.024	1.019	-5	-0.5%	
59.3%	1.023	1.018	-5	-0.5%	
60.5%	1.022	1.018	-5	-0.5%	
61.7%	1.022	1.017	-5	-0.5%	
63.0%	1.021	1.017	-4	-0.4%	
64.2%	1.020	1.017	-3	-0.3%	
65.4%	1.019	1.017	-2	-0.2%	
66.7%	1.019	1.017	-2	-0.2%	
67.9%	1.019	1.017	-2	-0.2%	
69.1%	1.018	1.016	-2	-0.2%	
70.4%	1.018	1.014	-4	-0.4%	
71.6%	1.017	1.013	-3	-0.3%	
72.8%	1.017	1.012	-5	-0.5%	
74.1%	1.017	1.012	-5	-0.5%	
75.3%	1.017	1.011	-6	-0.6%	
76.5%	1.015	1.011	-4	-0.4%	
77.8%	1.009	1.011	1	0.1%	
79.0%	1.003	1.010	7	0.7%	
80.2%	1.001	1.006	5	0.5%	
81.5%	1.000	1.005	5	0.5%	
82.7%	1.000	1.003	3	0.3%	
84.0%	995	999	4	0.4%	
85.2%	995	998	3	0.3%	
86.4%	985	998	13	1.3%	
87.7%	984	993	9	0.9%	
88.9%	971	988	18	1.8%	
90.1%	963	985	22	2.3%	
91.4%	961	963	2	0.2%	
92.6%	965	963	0	0.0%	
93.8%	930	945	15	1.6%	
95.1%	921	944	23	2.5%	
96.3%	907	909	2	0.2%	
97.5%	907	903	-4	-0.4%	
98.8%	892	893	1	0.1%	
100.0%	869	874	4	0.5%	

March					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1.067	1.067	0	0.0%	
1.2%	1.067	1.066	-1	-0.1%	
2.5%	1.067	1.066	-1	-0.1%	
3.7%	1.066	1.066	0	0.0%	
4.9%	1.066	1.066	0	0.0%	
6.2%	1.066	1.066	0	0.0%	
7.4%	1.066	1.065	-1	-0.1%	
8.6%	1.065	1.065	0	0.0%	
9.9%	1.065	1.065	0	0.0%	
11.1%	1.065	1.065	0	0.0%	
12.3%	1.065	1.065	0	0.0%	
13.6%	1.065	1.064	-1	-0.1%	
14.8%	1.064	1.063	-1	-0.1%	
16.0%	1.063	1.063	0	0.0%	
17.3%	1.062	1.062	0	0.0%	
18.5%	1.062	1.061	-1	-0.1%	
19.8%	1.061	1.061	0	0.0%	
21.0%	1.061	1.061	0	0.0%	
22.2%	1.061	1.061	0	0.0%	
23.5%	1.060	1.060	0	0.0%	
24.7%	1.060	1.063	3	0.3%	
25.9%	1.063	1.063	0	0.0%	
27.2%	1.062	1.062	0	0.0%	
28.4%	1.062	1.063	1	0.1%	
29.6%	1.061	1.063	2	0.2%	
30.9%	1.061	1.062	1	0.1%	
32.1%	1.061	1.062	1	0.1%	
33.3%	1.059	1.062	3	0.3%	
34.6%	1.059	1.060	1	0.1%	
35.8%	1.059	1.060	1	0.1%	
37.0%	1.059	1.059	0	0.0%	
38.3%	1.059	1.059	0	0.0%	
39.5%	1.059	1.059	0	0.0%	
40.7%	1.058	1.058	0	0.0%	
42.0%	1.058	1.058	0	0.0%	
43.2%	1.058	1.058	0	0.0%	
44.4%	1.058	1.056	-2	-0.2%	
45.7%	1.057	1.055	-2	-0.2%	
46.9%	1.055	1.055	0	0.0%	
48.1%	1.055	1.055	0	0.0%	
49.4%	1.054	1.054	0	0.0%	
50.6%	1.053	1.054	1	0.1%	
51.9%	1.052	1.053	1	0.1%	
53.1%	1.052	1.052	0	0.0%	
54.3%	1.051	1.052	1	0.1%	
55.6%	1.051	1.052	1	0.1%	
56.8%	1.050	1.051	1	0.1%	
58.0%	1.050	1.051	1	0.1%	
59.3%	1.050	1.050	0	0.0%	
60.5%	1.049	1.049	0	0.0%	
61.7%	1.048	1.049	1	0.1%	
63.0%	1.047	1.049	2	0.2%	
64.2%	1.047	1.048	1	0.1%	
65.4%	1.046	1.046	0	0.0%	
66.7%	1.045	1.046	1	0.1%	
67.9%	1.045	1.046	1	0.1%	
69.1%	1.044	1.045	1	0.1%	
70.4%	1.043	1.045	2	0.2%	
71.6%	1.042	1.044	2	0.2%	
72.8%	1.042	1.044	2	0.2%	
74.1%	1.041	1.043	2	0.2%	
75.3%	1.041	1.043	2	0.2%	
76.5%	1.040	1.041	1	0.1%	
77.8%	1.039	1.041	2	0.2%	
79.0%	1.039	1.037	-2	-0.2%	
80.2%	1.037	1.038	1	0.1%	
81.5%	1.033	1.033	0	0.0%	
82.7%	1.029	1.032	3	0.3%	
84.0%	1.019	1.023	4	0.4%	
85.2%	1.012	1.022	9	0.9%	
86.4%	1.012	1.016	4	0.4%	
87.7%	1.006	1.014	8	0.8%	
88.9%	999	1.011	12	1.2%	
90.1%	993	1.006	13	1.3%	
91.4%	989	991	2	0.2%	
92.6%	985	987	2	0.2%	
93.8%	964	983	19	1.9%	
95.1%	960	979	19	2.0%	
96.3%	956	975	19	2.0%	
97.5%	931	939	8	0.8%	
98.8%	928	934	6	0.6%	
100.0%	926	929	3	0.3%	

April					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1.067	1.067	0	0.0%	
1.2%	1.067	1.067	0	0.0%	
2.5%	1.067	1.067	0	0.0%	
3.7%	1.067	1.067	0	0.0%	
4.9%	1.067	1.067	0	0.0%	
6.2%	1.067	1.067	0	0.0%	
7.4%	1.067	1.067	0	0.0%	
8.6%	1.067	1.067	0	0.0%	
9.9%	1.066	1.066	1	0.0%	
11.1%	1.065	1.066	1	0.1%	
12.3%	1.065	1.065	0	0.0%	
13.6%	1.065	1.065	0	0.0%	
14.8%	1.065	1.065	0	0.0%	
16.0%	1.064	1.065	1	0.1%	
17.3%	1.064	1.065	1	0.1%	
18.5%	1.064	1.064	0	0.0%	
19.8%	1.064	1.064	0	0.0%	
21.0%	1.063	1.064	0	0.0%	
22.2%	1.063	1.064	0	0.0%	
23.5%	1.063	1.063	0	0.0%	
24.7%	1.063	1.063	0	0.0%	
25.9%	1.063	1.063	0	0.0%	
27.2%	1.062	1.063	1	0.1%	
28.4%	1.062	1.063	1	0.1%	
29.6%	1.061	1.063	2	0.2%	
30.9%	1.061	1.062	1	0.1%	
32.1%	1.061	1.062	1	0.1%	
33.3%	1.059	1.062	3	0.3%	
34.6%	1.059	1.060	1	0.1%	
35.8%	1.059	1.060	1	0.1%	
37.0%	1.059	1.059	0	0.0%	
38.3%	1.059	1.059	0	0.0%	
39.5%	1.059	1.059	0	0.0%	
40.7%	1.058	1.058	0	0.0%	
42.0%	1.058	1.058	0	0.0%	
43.2%	1.058	1.058	0	0.0%	
44.4%	1.058	1.056	-2	-0.2%	
45.7%	1.057	1.055	-2	-0.2%	
46.9%	1.055	1.055	0	0.0%	
48.1%	1.055	1.055	0	0.0%	
49.4%	1.054	1.054	0	0.0%	
50.6%	1.053	1.054	1	0.1%	
51.9%	1.052	1.053	1	0.1%	
53.1%	1.052	1.052	0	0.0%	
54.3%	1.051	1.052	1	0.1%	
55.6%	1.051	1.052	1	0.1%	
56.8%	1.050	1.051	1	0.1%	
58.0%	1.050	1.051	1	0.1%	
59.3%	1.050	1.050	0	0.0%	
60.5%	1.049	1.049	0	0.0%	
61.7%	1.048	1.049	1	0.1%	
63.0%	1.047	1.049	2	0.2%	
64.2%	1.047	1.048	1	0.1%	
65.4%	1.046	1.046	0	0.0%	
66.7%	1.045	1.046	1	0.1%	
67.9%	1.045	1.046	1	0.1%	
69.1%	1.044	1.045	1	0.1%	
70.4%	1.043	1.045	2	0.2%	
71.6%	1.042	1.044	2	0.2%	
72.8%	1.042	1.044	2	0.2%	
74.1%	1.041	1.043	2	0.2%	
75.3%	1.041	1.043	2	0.2%	
76.5%	1.040	1.041	1	0.1%	
77.8%	1.039	1.041	2	0.2%	
79.0%	1.039	1.037	-2	-0.2%	
80.2%	1.037	1.038	1	0.1%	
81.5%	1.033	1.033	0		

Table SW-08-5b
Shasta Lake, End of Month Elevation
Probability of Exceedance

June					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,065	1,065	0	0.0%	
1.2%	1,065	1,065	0	0.0%	
2.5%	1,065	1,065	0	0.0%	
3.7%	1,065	1,064	-1	-0.1%	
4.9%	1,065	1,064	-2	-0.1%	
6.2%	1,065	1,064	-2	-0.1%	
7.4%	1,065	1,063	-2	-0.2%	
8.6%	1,065	1,063	-2	-0.2%	
9.9%	1,064	1,063	-1	-0.1%	
11.1%	1,064	1,063	-1	-0.1%	
12.3%	1,064	1,062	-1	-0.1%	
13.6%	1,063	1,062	-1	-0.1%	
14.8%	1,062	1,062	0	0.0%	
16.0%	1,060	1,060	0	0.0%	
17.3%	1,060	1,059	0	0.0%	
18.5%	1,059	1,059	0	0.0%	
19.8%	1,059	1,059	-1	-0.1%	
21.0%	1,059	1,059	0	0.0%	
22.2%	1,059	1,058	-1	-0.1%	
23.5%	1,059	1,058	-1	-0.1%	
24.7%	1,059	1,058	0	0.0%	
25.9%	1,057	1,058	1	0.0%	
27.2%	1,056	1,057	1	0.1%	
28.4%	1,056	1,057	1	0.1%	
29.6%	1,055	1,057	1	0.1%	
30.9%	1,055	1,056	1	0.1%	
32.1%	1,054	1,056	2	0.2%	
33.3%	1,054	1,056	1	0.1%	
34.6%	1,054	1,055	1	0.1%	
35.8%	1,054	1,055	1	0.1%	
37.0%	1,053	1,054	1	0.1%	
38.3%	1,050	1,054	4	0.4%	
39.5%	1,049	1,053	5	0.4%	
40.7%	1,048	1,053	5	0.4%	
42.0%	1,048	1,053	5	0.4%	
43.2%	1,048	1,051	4	0.4%	
44.4%	1,047	1,051	4	0.4%	
45.7%	1,047	1,051	4	0.4%	
46.9%	1,046	1,049	3	0.3%	
48.1%	1,043	1,049	6	0.6%	
49.4%	1,043	1,049	6	0.6%	
50.6%	1,043	1,049	6	0.6%	
51.9%	1,042	1,048	6	0.6%	
53.1%	1,041	1,047	6	0.5%	
54.3%	1,041	1,046	5	0.5%	
55.6%	1,040	1,046	6	0.6%	
56.8%	1,039	1,044	4	0.4%	
58.0%	1,038	1,043	5	0.5%	
59.3%	1,038	1,043	5	0.5%	
60.5%	1,037	1,041	4	0.4%	
61.7%	1,036	1,041	5	0.5%	
63.0%	1,035	1,039	4	0.4%	
64.2%	1,035	1,038	3	0.3%	
65.4%	1,033	1,036	3	0.3%	
66.7%	1,031	1,034	3	0.3%	
67.9%	1,029	1,034	5	0.4%	
69.1%	1,025	1,030	5	0.5%	
70.4%	1,024	1,030	6	0.6%	
71.6%	1,024	1,026	2	0.2%	
72.8%	1,023	1,025	2	0.2%	
74.1%	1,019	1,025	6	0.6%	
75.3%	1,016	1,022	6	0.6%	
76.5%	1,015	1,021	7	0.6%	
77.8%	1,015	1,021	6	0.6%	
79.0%	1,015	1,019	5	0.5%	
80.2%	1,013	1,017	4	0.4%	
81.5%	1,013	1,016	4	0.4%	
82.7%	1,001	1,013	12	1.2%	
84.0%	1,001	1,012	10	1.0%	
85.2%	997	1,011	14	1.5%	
86.4%	996	1,004	7	0.7%	
87.7%	996	1,000	4	0.4%	
88.9%	993	1,000	7	0.7%	
90.1%	985	995	10	1.1%	
91.4%	948	974	26	2.7%	
92.6%	927	964	17	1.8%	
93.8%	929	945	16	1.8%	
95.1%	927	940	14	1.5%	
96.3%	923	940	17	1.9%	
97.5%	914	933	18	2.0%	
98.8%	907	919	12	1.4%	
100.0%	870	885	16	1.8%	

July					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,063	1,063	0	0.0%	
1.2%	1,063	1,063	0	0.0%	
2.5%	1,063	1,062	-1	-0.1%	
3.7%	1,063	1,062	-1	-0.1%	
4.9%	1,063	1,062	-1	-0.1%	
6.2%	1,061	1,061	0	0.0%	
7.4%	1,061	1,061	-1	-0.0%	
8.6%	1,061	1,060	-1	-0.1%	
9.9%	1,060	1,060	0	0.0%	
11.1%	1,049	1,060	1	0.1%	
12.3%	1,049	1,049	1	0.1%	
13.6%	1,048	1,047	-1	-0.1%	
14.8%	1,047	1,047	0	0.0%	
16.0%	1,046	1,046	0	0.0%	
17.3%	1,046	1,045	-1	-0.1%	
18.5%	1,045	1,045	0	0.0%	
19.8%	1,045	1,045	0	0.0%	
21.0%	1,045	1,043	-2	-0.1%	
22.2%	1,044	1,042	-2	-0.2%	
23.5%	1,042	1,040	-2	-0.2%	
24.7%	1,038	1,040	2	0.2%	
25.9%	1,037	1,038	1	0.1%	
27.2%	1,036	1,037	1	0.1%	
28.4%	1,036	1,037	1	0.1%	
29.6%	1,036	1,037	1	0.1%	
30.9%	1,035	1,035	-1	-0.1%	
32.1%	1,034	1,035	1	0.1%	
33.3%	1,033	1,035	2	0.2%	
34.6%	1,033	1,035	2	0.2%	
35.8%	1,031	1,034	3	0.3%	
37.0%	1,031	1,034	3	0.3%	
38.3%	1,027	1,034	7	0.7%	
39.5%	1,026	1,033	7	0.7%	
40.7%	1,024	1,032	9	0.8%	
42.0%	1,024	1,032	9	0.8%	
43.2%	1,024	1,030	7	0.7%	
44.4%	1,023	1,030	7	0.7%	
45.7%	1,023	1,029	6	0.6%	
46.9%	1,023	1,027	4	0.4%	
48.1%	1,023	1,027	4	0.4%	
49.4%	1,021	1,027	6	0.6%	
50.6%	1,022	1,026	4	0.4%	
51.9%	1,021	1,026	4	0.4%	
53.1%	1,021	1,025	4	0.4%	
54.3%	1,021	1,024	3	0.3%	
55.6%	1,018	1,023	5	0.4%	
56.8%	1,017	1,022	5	0.5%	
58.0%	1,015	1,020	5	0.5%	
59.3%	1,015	1,020	5	0.5%	
60.5%	1,015	1,019	4	0.4%	
61.7%	1,014	1,018	5	0.4%	
63.0%	997	1,016	3	0.3%	
64.2%	1,012	1,014	2	0.2%	
65.4%	1,011	1,014	3	0.3%	
66.7%	1,008	1,014	6	0.6%	
67.9%	1,005	1,013	7	0.7%	
69.1%	1,005	1,005	0	0.0%	
70.4%	1,001	1,005	4	0.4%	
71.6%	1,001	1,005	4	0.4%	
72.8%	999	1,004	5	0.5%	
74.1%	998	1,004	7	0.7%	
75.3%	996	1,003	6	0.7%	
76.5%	994	1,002	8	0.8%	
77.8%	994	1,000	7	0.7%	
79.0%	992	1,000	9	0.9%	
80.2%	989	997	8	0.8%	
81.5%	988	996	8	0.8%	
82.7%	978	989	11	1.1%	
84.0%	978	989	12	1.2%	
85.2%	976	985	9	0.9%	
86.4%	971	981	11	1.1%	
87.7%	945	970	11	1.1%	
88.9%	967	980	14	1.4%	
90.1%	956	945	17	1.8%	
91.4%	925	945	20	2.1%	
92.6%	919	940	22	2.4%	
93.8%	910	920	10	1.1%	
95.1%	897	910	13	1.5%	
96.3%	887	905	18	2.0%	
97.5%	872	900	28	3.2%	
98.8%	846	893	47	5.5%	
100.0%	842	846	4	0.5%	

August					
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	
0.0%	1,036	1,036	0	0.0%	
1.2%	1,036	1,036	0	0.0%	
2.5%	1,036	1,036	0	0.0%	
3.7%	1,036	1,036	0	0.0%	
4.9%	1,036	1,036	0	0.0%	
6.2%	1,036	1,036	0	0.0%	
7.4%	1,036	1,036	0	0.0%	
8.6%	1,036	1,036	0	0.0%	
9.9%	1,036	1,036	0	0.0%	
11.1%	1,036	1,036	0	0.0%	
12.3%	1,036	1,036	0	0.0%	
13.6%	1,036	1,036	0	0.0%	
14.8%	1,036	1,036	-1	-0.1%	
16.0%	1,036	1,035	0	0.0%	
17.3%	1,034	1,035	1	0.1%	
18.5%	1,034	1,035	0	0.0%	
19.8%	1,033	1,033	0	0.0%	
21.0%	1,032	1,031	-1	-0.1%	
22.2%	1,031	1,030	-1	-0.1%	
23.5%	1,029	1,029	0	0.0%	
24.7%	1,024	1,029	4	0.4%	
25.9%	1,024	1,026	3	0.3%	
27.2%	1,023	1,025	2	0.2%	
28.4%	1,022	1,024	2	0.2%	
29.6%	1,021	1,023	3	0.3%	
30.9%	1,021	1,021	1	0.1%	
32.1%	1,020	1,021	1	0.1%	
33.3%	1,019	1,021	2	0.2%	
34.6%	1,018	1,020	2	0.2%	
35.8%	1,017	1,019	2	0.2%	
37.0%	1,015	1,019	3	0.3%	
38.3%	1,015	1,019	4	0.4%	
39.5%	1,015	1,018	3	0.3%	
40.7%	1,011	1,018	7	0.7%	
42.0%	1,011	1,018	7	0.7%	
43.2%	1,010	1,018	8	0.8%	
44.4%	1,009	1,015	5	0.5%	
45.7%	1,009	1,013	5	0.4%	
46.9%	1,009	1,013	5	0.4%	
48.1%	1,008	1,013	5	0.5%	
49.4%	1,007	1,012	6	0.6%	
50.6%	1,007	1,012	6	0.6%	
51.9%	1,004	1,011	7	0.7%	
53.1%	1,004	1,011	7	0.7%	
54.3%	1,003	1,009	5	0.5%	
55.6%	1,003	1,007	4	0.4%	
56.8%	1,002	1,006	4	0.4%	
58.0%	1,002	1,006	4	0.4%	
59.3%	1,000	1,005	5	0.5%	
60.5%	1,000	1,003	3	0.3%	
61.7%	1,000	1,002	2	0.2%	
63.0%	997	1,001	3	0.3%	
64.2%	995	1,001	6	0.6%	
65.4%	993	1,000	7	0.7%	
66.7%	993	998	5	0.5%	
67.9%	992	998	6	0.6%	
69.1%	991	998	7	0.7%	
70.4%	990	995	5	0.5%	
71.6%	990	993	3	0.3%	
72.8%	989	992	3	0.3%	
74.1%	988	991	3	0.3%	
75.3%	983	991	7	0.8%	
76.5%	981	989	9	0.9%	
77.8%	980	987	6	0.6%	
79.0%	972	985	14	1.4%	
80.2%	965	984	19	2.0%	
81.5%	964	982	18	1.8%	
82.7%	961	975	14	1.4%	
84.0%					

Table SW-09-5a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	19,972	19,920	20,851	22,373	23,869	25,646	26,994	27,105	25,614	23,168	21,388	20,385
Alternative B	20,541	20,401	21,100	22,520	23,862	25,739	27,231	27,460	26,105	23,731	21,957	20,996
Difference	569	480	249	147	-8	92	237	356	490	563	569	611
Percent Difference ³	2.8%	2.4%	1.2%	0.7%	0.0%	0.4%	0.9%	1.3%	1.9%	2.4%	2.7%	3.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	22,859	22,280	23,111	24,815	25,936	26,966	28,988	29,659	28,849	26,971	25,363	23,307
Alternative B	22,990	22,445	23,024	24,850	25,854	26,952	29,027	29,701	28,865	27,012	25,468	23,542
Difference	132	164	-87	35	-82	-14	39	42	16	41	104	234
Percent Difference	0.6%	0.7%	-0.4%	0.1%	-0.3%	-0.1%	0.1%	0.1%	0.1%	0.2%	0.4%	1.0%
Above Normal (15%)												
No Action Alternative	22,331	21,976	22,897	23,199	24,734	27,400	29,350	29,678	28,136	25,475	23,658	22,781
Alternative B	22,730	22,251	22,797	23,171	24,533	27,357	29,359	29,687	28,294	25,664	23,922	23,199
Difference	398	275	-100	-28	-200	-43	9	9	159	189	264	418
Percent Difference	1.8%	1.3%	-0.4%	-0.1%	-0.8%	-0.2%	0.0%	0.0%	0.6%	0.7%	1.1%	1.8%
Below Normal (17%)												
No Action Alternative	21,746	22,157	22,612	22,184	24,115	26,049	27,845	27,993	26,497	23,920	22,134	21,827
Alternative B	22,077	22,291	22,490	22,098	23,902	25,962	27,883	28,191	26,889	24,409	22,677	22,294
Difference	332	134	-121	-87	-213	-87	38	198	392	489	543	467
Percent Difference	1.5%	0.6%	-0.5%	-0.4%	-0.9%	-0.3%	0.1%	0.7%	1.5%	2.0%	2.5%	2.1%
Dry (22%)												
No Action Alternative	18,811	19,296	20,675	21,526	23,483	25,892	26,609	26,219	24,320	21,634	19,733	19,321
Alternative B	19,958	20,235	21,378	21,743	23,485	26,055	26,982	26,792	25,185	22,557	20,715	20,333
Difference	1,147	939	703	217	2	163	372	573	865	924	982	1,013
Percent Difference	6.1%	4.9%	3.4%	1.0%	0.0%	0.6%	1.4%	2.2%	3.6%	4.3%	5.0%	5.2%
Critical (15%)												
No Action Alternative	11,030	11,080	12,116	17,748	18,821	20,197	19,905	19,288	16,995	14,048	12,117	11,572
Alternative B	12,127	12,167	13,193	18,481	19,393	20,756	20,824	20,529	18,397	15,659	13,409	12,756
Difference	1,097	1,087	1,077	733	572	559	920	1,240	1,402	1,612	1,293	1,184
Percent Difference	9.9%	9.8%	8.9%	4.1%	3.0%	2.8%	4.6%	6.4%	8.3%	11.5%	10.7%	10.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

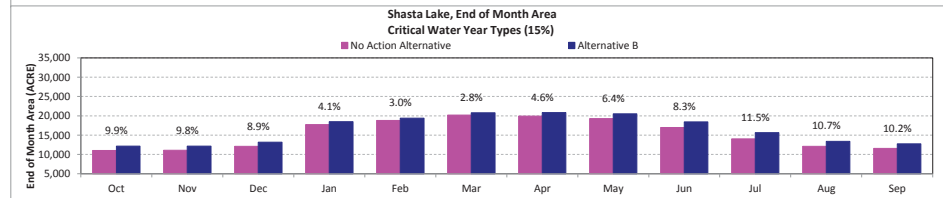
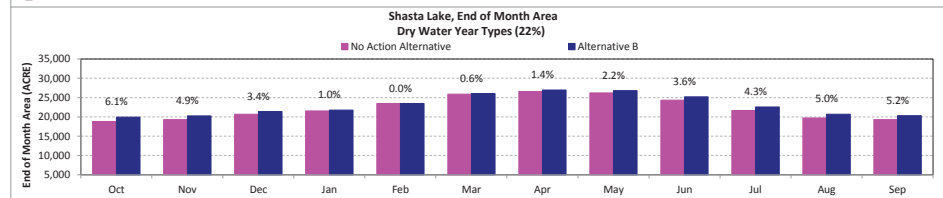
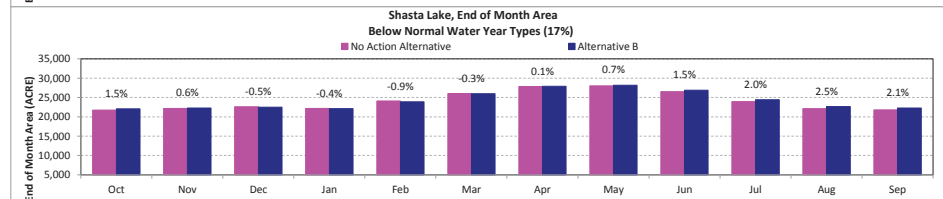
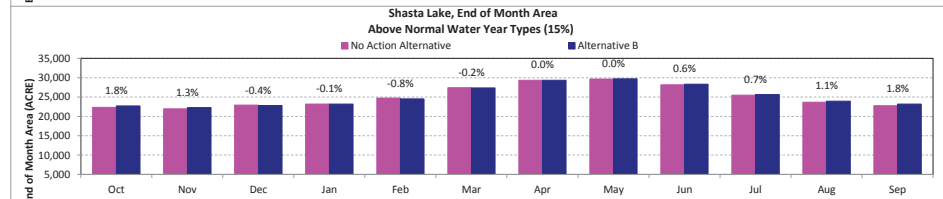
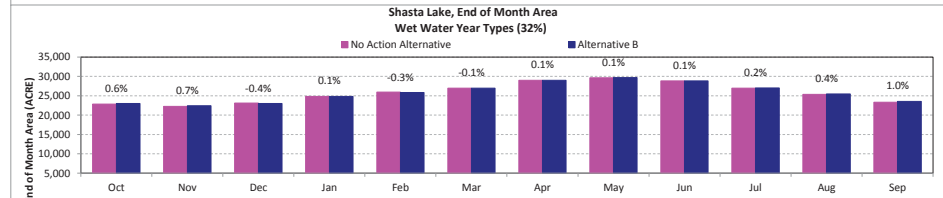
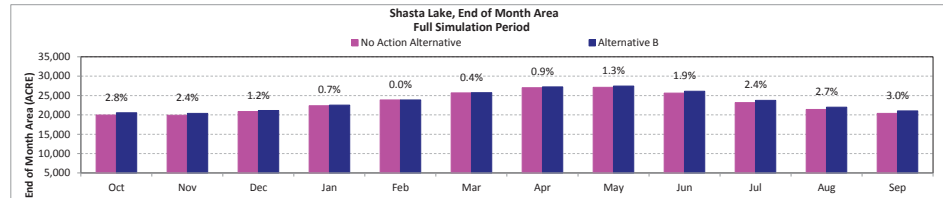


Figure SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

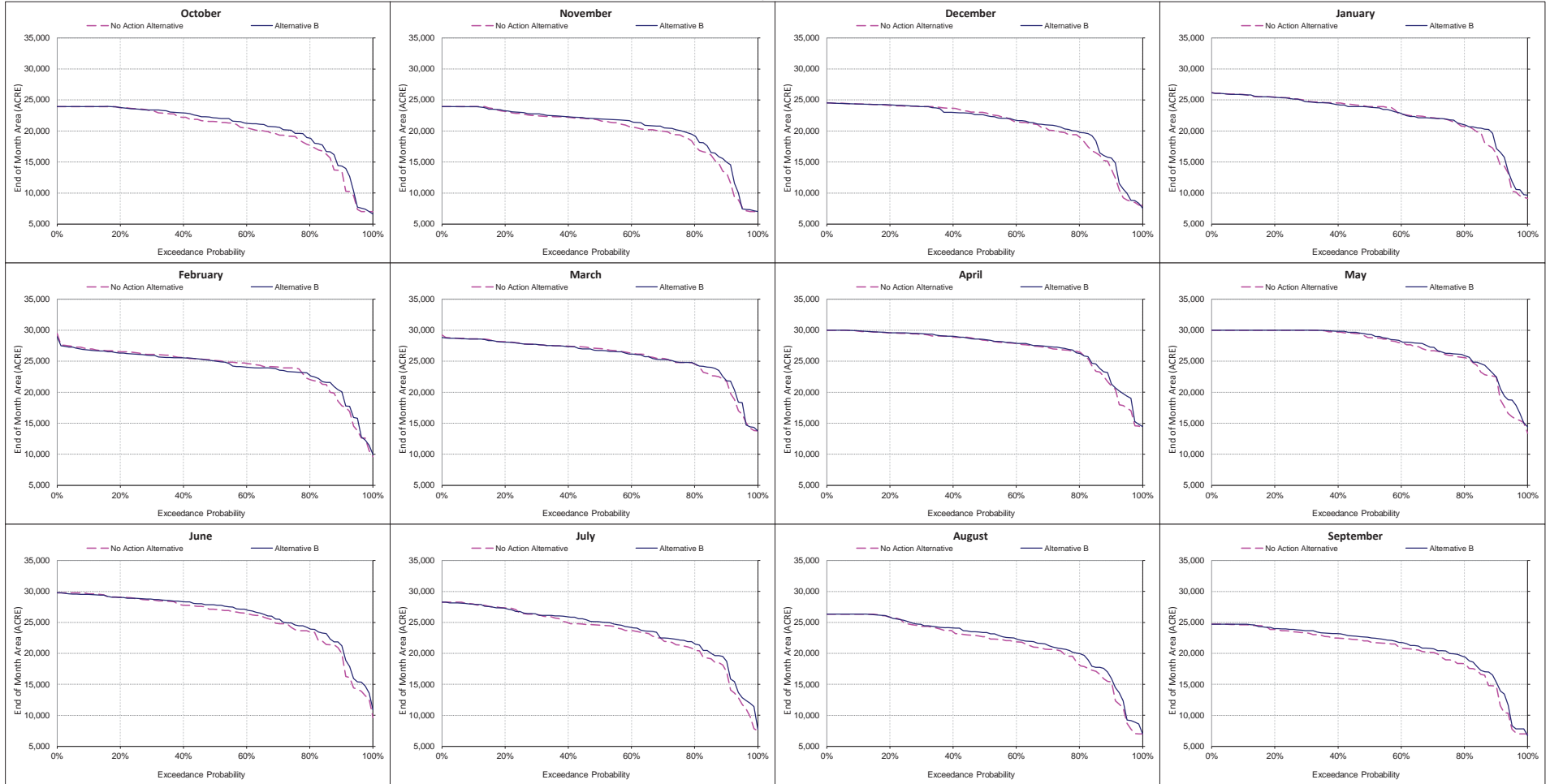


Table SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

October						November						December						January					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)		Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)		Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)		Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	23,927	23,927	0	0.0%		0.0%	23,937	23,937	0	0.0%		0.0%	24,552	24,514	-37	-0.2%		0.0%	25,615	25,615	0	0.0%	
1.2%	23,927	23,927	0	0.0%		1.2%	23,937	23,937	0	0.0%		1.2%	24,514	24,514	0	0.0%		1.2%	25,063	26,063	0	0.0%	
2.5%	23,927	23,927	0	0.0%		2.5%	23,937	23,937	0	0.0%		2.5%	24,461	24,455	-5	0.0%		2.5%	25,053	26,053	0	0.0%	
3.7%	23,927	23,927	0	0.0%		3.7%	23,937	23,937	0	0.0%		3.7%	24,455	24,455	0	0.0%		3.7%	25,011	26,011	0	0.0%	
4.9%	23,927	23,927	0	0.0%		4.9%	23,937	23,937	0	0.0%		4.9%	24,455	24,439	-16	-0.1%		4.9%	25,972	25,925	-48	-0.2%	
6.2%	23,927	23,927	0	0.0%		6.2%	23,937	23,937	0	0.0%		6.2%	24,439	24,439	0	0.0%		6.2%	25,937	25,914	-23	0.0%	
7.4%	23,927	23,927	0	0.0%		7.4%	23,937	23,937	0	0.0%		7.4%	24,397	24,396	-1	0.0%		7.4%	25,925	25,925	0	0.0%	
8.6%	23,927	23,927	0	0.0%		8.6%	23,937	23,937	0	0.0%		8.6%	24,381	24,381	0	0.0%		8.6%	25,914	25,882	-32	-0.1%	
9.9%	23,927	23,927	0	0.0%		9.9%	23,937	23,937	0	0.0%		9.9%	24,356	24,343	-12	-0.1%		9.9%	25,882	25,874	-8	0.0%	
11.1%	23,927	23,927	0	0.0%		11.1%	23,937	23,895	-43	-0.2%		11.1%	24,343	24,313	-30	-0.1%		11.1%	25,818	25,836	19	0.1%	
12.3%	23,927	23,927	0	0.0%		12.3%	23,937	23,880	-57	-0.2%		12.3%	24,311	24,311	0	0.0%		12.3%	25,640	25,618	-22	0.0%	
13.6%	23,927	23,927	0	0.0%		13.6%	23,937	23,750	-188	-0.8%		13.6%	24,295	24,295	0	0.0%		13.6%	25,551	25,598	47	0.2%	
14.8%	23,927	23,927	0	0.0%		14.8%	23,732	23,525	-207	-0.9%		14.8%	24,284	24,284	0	0.0%		14.8%	25,540	25,540	0	0.0%	
16.0%	23,927	23,927	0	0.0%		16.0%	23,626	23,509	-117	-0.5%		16.0%	24,279	24,279	0	0.0%		16.0%	25,540	25,540	0	0.0%	
17.3%	23,927	23,919	-8	0.0%		17.3%	23,409	23,460	51	0.2%		17.3%	24,247	24,248	1	0.0%		17.3%	25,535	25,535	0	0.0%	
18.5%	23,927	23,893	-33	-0.1%		18.5%	23,244	23,431	187	0.8%		18.5%	24,180	24,247	67	0.3%		18.5%	25,527	25,481	-46	-0.2%	
19.8%	23,751	23,807	56	0.2%		19.8%	23,177	23,262	85	0.4%		19.8%	24,156	24,226	70	0.3%		19.8%	25,481	25,428	-53	-0.2%	
21.0%	23,712	23,746	34	0.1%		21.0%	23,130	23,216	86	0.4%		21.0%	24,114	24,203	89	0.4%		21.0%	25,428	25,412	-16	-0.1%	
22.2%	23,705	23,627	-78	-0.3%		22.2%	22,919	23,102	183	0.8%		22.2%	24,065	24,156	91	0.4%		22.2%	25,412	25,343	-68	-0.3%	
23.5%	23,648	23,572	-77	-0.3%		23.5%	22,851	23,040	189	0.8%		23.5%	24,054	24,147	93	0.4%		23.5%	25,343	25,342	-1	0.0%	
24.7%	23,583	23,538	-46	-0.2%		24.7%	22,836	23,009	172	0.8%		24.7%	24,018	24,114	96	0.4%		24.7%	25,342	25,243	-99	-0.4%	
25.9%	23,572	23,523	-50	-0.2%		25.9%	22,695	22,967	271	1.2%		25.9%	24,017	24,065	48	0.2%		25.9%	25,206	25,164	-42	-0.2%	
27.2%	23,514	23,427	-87	-0.4%		27.2%	22,599	22,793	194	0.9%		27.2%	24,007	24,017	11	0.0%		27.2%	25,128	25,164	36	0.1%	
28.4%	23,447	23,406	-41	-0.2%		28.4%	22,525	22,760	235	1.0%		28.4%	23,992	24,007	15	0.1%		28.4%	25,056	24,977	-79	-0.3%	
29.6%	23,240	23,393	153	0.7%		29.6%	22,520	22,748	228	1.0%		29.6%	23,938	23,938	0	0.0%		29.6%	24,969	24,728	-241	-1.0%	
30.9%	23,178	23,391	213	0.9%		30.9%	22,411	22,744	332	1.5%		30.9%	23,932	23,937	5	0.0%		30.9%	24,750	24,669	-80	-0.3%	
32.1%	22,915	23,386	471	2.1%		32.1%	22,391	22,629	238	1.1%		32.1%	23,937	23,937	0	0.0%		32.1%	24,679	24,628	-51	-0.2%	
33.3%	22,887	23,310	423	1.9%		33.3%	22,346	22,522	176	0.8%		33.3%	23,921	23,765	-156	-0.7%		33.3%	24,669	24,573	-96	-0.4%	
34.6%	22,846	23,268	423	1.8%		34.6%	22,344	22,487	143	0.6%		34.6%	23,887	23,724	-163	-0.7%		34.6%	24,634	24,577	-57	-0.2%	
35.8%	22,765	23,061	296	1.3%		35.8%	22,306	22,438	132	0.6%		35.8%	23,825	23,612	-212	-0.9%		35.8%	24,573	24,546	-27	-0.1%	
37.0%	22,747	22,997	250	1.1%		37.0%	22,297	22,414	117	0.5%		37.0%	23,731	23,031	-703	-3.0%		37.0%	24,557	24,504	-53	-0.2%	
38.3%	22,304	22,959	655	2.9%		38.3%	22,283	22,352	69	0.3%		38.3%	23,694	23,030	-664	-2.8%		38.3%	24,546	24,399	-147	-0.6%	
39.5%	22,223	22,914	691	3.1%		39.5%	22,234	22,311	77	0.3%		39.5%	23,682	23,006	-676	-2.9%		39.5%	24,505	24,284	-221	-0.9%	
40.7%	22,222	22,877	656	3.0%		40.7%	22,153	22,255	101	0.5%		40.7%	23,627	22,968	-658	-2.8%		40.7%	24,504	24,188	-316	-1.3%	
42.0%	21,904	22,808	905	4.1%		42.0%	22,094	22,226	131	0.6%		42.0%	23,486	22,941	-545	-2.3%		42.0%	24,399	24,175	-224	-0.9%	
43.2%	21,858	22,683	825	3.8%		43.2%	22,084	22,217	133	0.6%		43.2%	23,429	23,232	-197	-0.8%		43.2%	24,334	24,308	-26	-0.1%	
44.4%	21,858	22,447	590	2.7%		44.4%	22,024	22,164	140	0.6%		44.4%	23,198	22,905	-293	-1.3%		44.4%	24,284	23,938	-347	-1.4%	
45.7%	21,653	22,305	651	3.0%		45.7%	21,990	22,061	71	0.3%		45.7%	23,055	22,862	-194	-0.8%		45.7%	24,174	23,937	-237	-1.0%	
46.9%	21,586	22,282	695	3.2%		46.9%	21,942	22,039	97	0.4%		46.9%	23,038	22,638	-400	-1.7%		46.9%	24,121	23,937	-183	-0.8%	
48.1%	21,545	22,268	722	3.4%		48.1%	21,921	21,995	74	0.3%		48.1%	23,017	22,627	-390	-1.7%		48.1%	24,061	23,937	-123	-0.5%	
49.4%	21,542	22,130	588	2.7%		49.4%	21,783	21,960	177	0.8%		49.4%	23,016	22,626	-391	-1.7%		49.4%	23,938	23,908	-30	-0.1%	
50.6%	21,500	22,099	599	2.8%		50.6%	21,584	21,948	364	1.7%		50.6%	22,890	22,448	-442	-1.9%		50.6%	23,938	23,790	-147	-0.6%	
51.9%	21,392	22,009	617	2.9%		51.9%	21,567	21,897	330	1.5%		51.9%	22,618	22,342	-276	-1.2%		51.9%	23,937	23,781	-156	-0.7%	
53.1%	21,359	22,005	647	3.0%		53.1%	21,418	21,852	434	2.0%		53.1%	22,542	22,306	-237	-1.0%		53.1%	23,937	23,704	-233	-1.0%	
54.3%	21,300	21,988	688	3.2%		54.3%	21,331	21,822	491	2.3%		54.3%	22,480	22,102	-378	-1.7%		54.3%	23,937	23,491	-446	-1.9%	
55.6%	21,300	21,607	307	1.4%		55.6%	21,314	21,807	493	2.3%		55.6%	22,268	22,053	-215	-1.0%		55.6%	23,807	23,468	-341	-1.4%	
56.8%	21,038	21,531	494	2.3%		56.8%	21,068	21,780	711	3.4%		56.8%	22,170	22,042	-128	-0.6%		56.8%	23,787	23,299	-487	-2.0%	
58.0%	20,572	21,485	913	4.4%		58.0%	20,969	21,695	726	3.5%		58.0%	21,863	21,992	129	0.6%		58.0%	23,384	23,108	-276	-1.2%	
59.3%	20,507	21,284	777	3.8%		59.3%	20,720	21,670	951	4.6%		59.3%	21,545	21,805	259	1.2%		59.3%	22,694	22,971	277	1.2%	
60.5%	20,445	21,220	775	3.8%		60.5%	20,615	21,422	808	3.9%		60.5%	21,478	21,670	192	0.9%		60.5%	22,684	22,730	46	0.2%	
61.7%	20,290	21,159	869	4.3%		61.7%	20,500	21,372	872	4.3%		61.7%	21,387	21,659	272	1.3%		61.7%	22,553	22,452	-101	-0.5%	
63.0%	20,132	21,150	1,018	5.1%		63.0%	20,347	21,319	973	4.8%		63.0%	21,365	21,578	213	1.0%		63.0%	22,484	22,359	-125	-0.6%	
64.2%	20,118	21,072	954	4.7%		64.2%	20,260	20,930	671	3.3%		64.2%	21,199	21,386	188	0.9%		64.2%	22,461	22,334	-127	-0.6%	
65.4%	19,999	21,043	1,043	5.2%		65.4%	20,215	20,856	641	3.2%		65.4%	21,140	21,355	215	1.0%		65.4%	22,411	22,133	-278	-1.2%	
66.7%	19,926	20,737	811	4.1%		66.7%	20,214	20,823	609	3.0%		66.7%	21,051	21,117	65	0.3%		66.7%	22,378	22,132	-246	-1.1%	
67.9%	19,824	20,705	1,081	5.5%		67.9%	20,070	20,806	736	3.7%		67.9%	20,588	21,104	516	2.5%		67.9%	22,258	22,126	-133	-0.6%	
69.1%	19,584	20,660	1,076	5.5%		69.1%	19,985	20,805	820	4.1%		69.1%	20,552	20,997	445	2.2%		69.1%	22,184	22,107	-77	-0.3%	
70.4%	19,332	20,569	1,237	6.4%		70.4%	19,935	20,502	568	2.8%		70.4%	20,107	20,960	853	4.2%		70.4%	22,124	22,064	-60	-0.3%	
71.6%	19,306	20,194	888	4.6%		71.6%	19,838	20,472	634	3.2%		71.6%	20,071	20,818	747	3.7%		71.6%	22,024	22,011	-13	-0.1%	
72.8%	19,175	20,156	980	5.1%																			

Table SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

February					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	29,489	28,483	-527	-1.8%	
1.2%	27,607	27,483	-123	-0.4%	
2.5%	27,571	27,391	-179	-0.7%	
3.7%	27,482	27,288	-193	-0.7%	
4.9%	27,391	27,262	-129	-0.5%	
6.2%	27,070	27,070	0	0.0%	
7.4%	27,262	26,979	-283	-1.0%	
8.6%	27,103	26,860	-243	-0.9%	
9.9%	26,979	26,830	-149	-0.6%	
11.1%	26,979	26,748	-231	-0.9%	
12.3%	26,796	26,677	-119	-0.4%	
13.6%	26,748	26,675	-73	-0.3%	
14.8%	26,717	26,651	-66	-0.2%	
16.0%	26,675	26,527	-148	-0.6%	
17.3%	26,674	26,512	-162	-0.6%	
18.5%	26,651	26,392	-259	-1.0%	
19.8%	26,527	26,330	-196	-0.7%	
21.0%	26,512	26,298	-213	-0.8%	
22.2%	26,505	26,252	-253	-1.0%	
23.5%	26,489	26,197	-292	-1.1%	
24.7%	26,400	26,162	-239	-0.9%	
25.9%	26,298	26,122	-176	-0.7%	
27.2%	26,197	26,085	-112	-0.4%	
28.4%	26,122	25,989	-134	-0.5%	
29.6%	26,085	25,951	-134	-0.5%	
30.9%	26,085	25,908	-148	-0.6%	
32.1%	26,047	25,684	-364	-1.4%	
33.3%	26,022	25,634	-388	-1.5%	
34.6%	25,989	25,620	-369	-1.4%	
35.8%	25,988	25,590	-398	-1.5%	
37.0%	25,778	25,493	-285	-1.1%	
38.3%	25,634	25,566	-68	-0.3%	
39.5%	25,620	25,565	-55	-0.2%	
40.7%	25,583	25,539	-43	-0.2%	
42.0%	25,453	25,519	66	0.3%	
43.2%	25,422	25,422	0	0.0%	
44.4%	25,348	25,374	27	0.1%	
45.7%	25,343	25,348	5	0.0%	
46.9%	25,279	25,279	0	0.0%	
48.1%	25,270	25,155	-114	-0.5%	
49.4%	25,155	25,059	-96	-0.4%	
50.6%	25,100	24,959	-141	-0.6%	
51.9%	25,059	24,893	-166	-0.7%	
53.1%	24,893	24,851	-43	-0.2%	
54.3%	24,851	24,627	-224	-0.9%	
55.6%	24,836	24,230	-607	-2.4%	
56.8%	24,783	24,151	-632	-2.5%	
58.0%	24,740	24,130	-610	-2.5%	
59.3%	24,711	24,095	-616	-2.5%	
60.5%	24,582	24,012	-569	-2.3%	
61.7%	24,566	23,938	-628	-2.6%	
63.0%	24,415	23,937	-478	-2.0%	
64.2%	24,339	23,937	-402	-1.7%	
65.4%	24,151	23,937	-214	-0.9%	
66.7%	24,131	23,928	-203	-0.8%	
67.9%	24,130	23,909	-220	-0.9%	
69.1%	24,095	23,790	-305	-1.3%	
70.4%	24,047	23,564	-483	-2.0%	
71.6%	23,938	23,507	-431	-1.8%	
72.8%	23,937	23,350	-588	-2.5%	
74.1%	23,937	23,312	-625	-2.6%	
75.3%	23,937	23,246	-692	-2.9%	
76.5%	23,752	23,215	-537	-2.3%	
77.8%	22,982	23,159	177	0.8%	
79.0%	22,256	23,132	877	3.9%	
80.2%	22,005	22,625	621	2.8%	
81.5%	21,840	22,459	619	2.8%	
82.7%	21,815	22,216	401	1.8%	
84.0%	21,272	21,714	442	2.1%	
85.2%	21,232	21,586	354	1.7%	
86.4%	19,989	21,584	1,615	8.1%	
87.7%	19,866	20,924	1,058	5.3%	
88.9%	18,551	20,412	1,861	10.0%	
90.1%	17,794	20,059	2,265	12.7%	
91.4%	17,560	17,776	215	1.2%	
92.6%	16,810	17,732	922	5.5%	
93.8%	14,547	15,943	1,396	9.6%	
95.1%	13,783	15,798	2,015	14.6%	
96.3%	12,620	14,772	152	1.2%	
97.5%	12,598	12,290	-309	-2.4%	
98.8%	10,916	11,454	538	4.9%	
100.0%	9,614	9,956	342	3.6%	

March					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	29,239	28,533	-406	-1.4%	
1.2%	28,833	28,739	-94	-0.3%	
2.5%	28,803	28,715	-88	-0.3%	
3.7%	28,730	28,700	-30	-0.1%	
4.9%	28,715	28,687	-28	-0.1%	
6.2%	28,704	28,704	0	0.0%	
7.4%	28,687	28,603	-84	-0.3%	
8.6%	28,614	28,601	-13	0.0%	
9.9%	28,603	28,584	-19	-0.1%	
11.1%	28,601	28,580	-21	-0.1%	
12.3%	28,584	28,573	-10	0.0%	
13.6%	28,580	28,484	-96	-0.3%	
14.8%	28,484	28,326	-158	-0.6%	
16.0%	28,326	28,314	-12	0.0%	
17.3%	28,185	28,185	0	0.0%	
18.5%	28,183	28,138	-45	-0.2%	
19.8%	28,138	28,086	-51	-0.2%	
21.0%	28,086	28,082	-4	0.0%	
22.2%	28,082	28,044	-38	-0.1%	
23.5%	28,001	27,936	-65	-0.2%	
24.7%	27,936	27,982	46	0.2%	
25.9%	27,773	27,773	0	0.0%	
27.2%	27,760	27,760	0	0.0%	
28.4%	27,726	27,726	0	0.0%	
29.6%	27,723	27,723	0	0.0%	
30.9%	27,674	27,674	0	0.0%	
32.1%	27,631	27,631	0	0.0%	
33.3%	27,546	27,546	0	0.0%	
34.6%	27,527	27,527	0	0.0%	
35.8%	27,501	27,501	0	0.0%	
37.0%	27,481	27,481	0	0.0%	
38.3%	27,444	27,430	-15	-0.1%	
39.5%	27,430	27,374	-56	-0.2%	
40.7%	27,387	27,374	-13	0.0%	
42.0%	27,374	27,325	-49	-0.2%	
43.2%	27,374	27,374	0	0.0%	
44.4%	27,317	26,996	-321	-1.2%	
45.7%	27,279	26,974	-306	-1.1%	
46.9%	27,166	26,969	-197	-0.7%	
48.1%	27,093	26,788	-304	-1.1%	
49.4%	27,086	26,752	-335	-1.2%	
50.6%	27,025	26,744	-281	-1.0%	
51.9%	26,953	26,683	-271	-1.0%	
53.1%	26,761	26,584	-177	-0.7%	
54.3%	26,752	26,551	-201	-0.8%	
55.6%	26,679	26,523	-156	-0.6%	
56.8%	26,584	26,510	-74	-0.3%	
58.0%	26,483	26,321	-162	-0.6%	
59.3%	26,345	26,155	-190	-0.7%	
60.5%	26,267	26,151	-116	-0.4%	
61.7%	26,160	26,047	-113	-0.4%	
63.0%	26,153	26,013	-140	-0.5%	
64.2%	26,103	25,734	-369	-1.4%	
65.4%	25,738	25,727	-11	0.0%	
66.7%	25,626	25,444	-182	-0.7%	
67.9%	25,492	25,308	-183	-0.7%	
69.1%	25,475	25,283	-193	-0.8%	
70.4%	25,444	25,266	-178	-0.7%	
71.6%	25,283	25,233	-49	-0.2%	
72.8%	24,915	25,109	194	0.8%	
74.1%	24,816	24,915	99	0.4%	
75.3%	24,813	24,816	3	0.0%	
76.5%	24,813	24,813	0	0.0%	
77.8%	24,813	24,813	0	0.0%	
79.0%	24,777	24,813	36	0.1%	
80.2%	24,509	24,527	19	0.1%	
81.5%	24,054	24,219	165	0.7%	
82.7%	23,193	24,175	982	4.2%	
84.0%	23,052	24,040	988	4.3%	
85.2%	22,689	24,012	1,323	5.8%	
86.4%	22,625	23,865	1,240	5.5%	
87.7%	22,509	23,513	1,004	4.5%	
88.9%	22,119	22,567	448	2.0%	
90.1%	21,730	21,846	115	0.5%	
91.4%	19,789	21,777	1,987	10.0%	
92.6%	18,797	20,373	1,576	8.4%	
93.8%	17,021	18,411	1,389	8.2%	
95.1%	16,417	18,340	1,923	11.7%	
96.3%	15,034	14,726	-308	-2.1%	
97.5%	14,218	14,411	193	1.4%	
98.8%	14,343	14,543	200	1.4%	
100.0%	13,771	13,750	-21	-0.1%	

April					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	30,000	30,000	0	0.0%	
1.2%	30,000	30,000	0	0.0%	
2.5%	30,000	30,000	0	0.0%	
3.7%	30,000	30,000	0	0.0%	
4.9%	30,000	30,000	0	0.0%	
6.2%	30,000	30,000	0	0.0%	
7.4%	29,974	29,997	23	0.1%	
8.6%	29,953	29,974	20	0.1%	
9.9%	29,872	29,932	60	0.2%	
11.1%	29,788	29,852	65	0.2%	
12.3%	29,776	29,776	0	0.0%	
13.6%	29,771	29,776	5	0.0%	
14.8%	29,725	29,769	43	0.1%	
16.0%	29,686	29,769	82	0.3%	
17.3%	29,649	29,724	75	0.3%	
18.5%	29,607	29,686	79	0.3%	
19.8%	29,588	29,599	11	0.0%	
21.0%	29,568	29,588	20	0.1%	
22.2%	29,528	29,588	60	0.2%	
23.5%	29,512	29,572	59	0.2%	
24.7%	29,493	29,568	75	0.3%	
25.9%	29,484	29,542	58	0.2%	
27.2%	29,426	29,520	94	0.3%	
28.4%	29,424	29,493	69	0.2%	
29.6%	29,338	29,465	127	0.4%	
30.9%	29,328	29,413	85	0.3%	
32.1%	29,261	29,368	107	0.4%	
33.3%	29,096	29,367	271	0.9%	
34.6%	29,065	29,191	127	0.4%	
35.8%	29,058	29,132	74	0.3%	
37.0%	29,055	29,096	41	0.1%	
38.3%	29,042	29,042	0	0.0%	
39.5%	28,988	29,027	39	0.1%	
40.7%	28,885	28,984	100	0.3%	
42.0%	28,876	28,876	0	0.0%	
43.2%	28,871	28,871	0	0.0%	
44.4%	28,871	28,729	-142	-0.5%	
45.7%	28,795	28,604	-191	-0.7%	
46.9%	28,617	28,592	-25	-0.1%	
48.1%	28,561	28,561	0	0.0%	
49.4%	28,389	28,537	149	0.5%	
50.6%	28,374	28,449	76	0.3%	
51.9%	28,219	28,374	154	0.5%	
53.1%	28,194	28,219	25	0.1%	
54.3%	28,080	28,194	114	0.4%	
55.6%	28,035	28,149	115	0.4%	
56.8%	27,997	28,055	58	0.2%	
58.0%	27,949	28,035	86	0.3%	
59.3%	27,904	27,949	45	0.2%	
60.5%	27,880	27,882	2	0.0%	
61.7%	27,693	27,890	197		

Table SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

June						July						August						September					
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)		Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)		Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)		Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)	
0.0%	29,776	29,776	0	0.0%		0.0%	28,275	28,275	0	0.0%		0.0%	26,331	26,331	0	0.0%		0.0%	24,728	24,728	0	0.0%	
1.2%	29,776	29,776	0	0.0%		1.2%	28,275	28,275	0	0.0%		1.2%	26,331	26,331	0	0.0%		1.2%	24,728	24,728	0	0.0%	
2.5%	29,776	29,718	-58	-0.2%		2.5%	28,275	28,169	-106	-0.4%		2.5%	26,331	26,331	0	0.0%		2.5%	24,728	24,728	0	0.0%	
3.7%	29,776	29,626	-150	-0.5%		3.7%	28,275	28,156	-119	-0.4%		3.7%	26,331	26,331	0	0.0%		3.7%	24,728	24,728	0	0.0%	
4.9%	29,776	29,583	-184	-0.6%		4.9%	28,275	28,156	-119	-0.4%		4.9%	26,331	26,331	0	0.0%		4.9%	24,719	24,728	9	0.0%	
6.2%	29,776	29,502	-265	-0.9%		6.2%	28,185	28,275	90	0.3%		6.2%	26,331	26,331	0	0.0%		6.2%	24,728	24,728	0	0.0%	
7.4%	29,776	29,541	-235	-0.8%		7.4%	28,511	28,051	-462	-0.2%		7.4%	26,331	26,331	0	0.0%		7.4%	24,644	24,728	84	0.3%	
8.6%	29,776	29,538	-239	-0.8%		8.6%	28,060	27,974	-86	-0.3%		8.6%	26,331	26,331	0	0.0%		8.6%	24,620	24,728	108	0.4%	
9.9%	29,626	29,533	-93	-0.3%		9.9%	27,970	27,922	-49	-0.2%		9.9%	26,331	26,331	0	0.0%		9.9%	24,610	24,728	118	0.5%	
11.1%	29,626	29,484	-142	-0.5%		11.1%	27,798	27,908	110	0.4%		11.1%	26,331	26,331	0	0.0%		11.1%	24,601	24,728	126	0.5%	
12.3%	29,619	29,447	-172	-0.6%		12.3%	27,785	27,878	93	0.3%		12.3%	26,331	26,331	0	0.0%		12.3%	24,591	24,607	16	0.1%	
13.6%	29,516	29,409	-107	-0.4%		13.6%	27,742	27,606	-136	-0.5%		13.6%	26,331	26,323	-8	0.0%		13.6%	24,476	24,586	110	0.5%	
14.8%	29,433	29,397	-36	-0.1%		14.8%	27,610	27,555	-55	-0.2%		14.8%	26,331	26,220	-110	-0.4%		14.8%	24,473	24,343	-130	-0.5%	
16.0%	29,129	29,186	57	0.2%		16.0%	27,525	27,480	-46	-0.2%		16.0%	26,234	26,202	-32	-0.1%		16.0%	24,455	24,272	-182	-0.7%	
17.3%	29,125	29,074	-52	-0.2%		17.3%	27,515	27,359	-156	-0.6%		17.3%	26,073	26,147	75	0.3%		17.3%	24,372	24,210	-162	-0.7%	
18.5%	29,086	29,050	-45	-0.2%		18.5%	27,389	27,358	-33	-0.1%		18.5%	26,071	26,114	43	0.2%		18.5%	23,882	24,203	321	1.3%	
19.8%	29,084	29,013	-71	-0.2%		19.8%	27,351	27,312	-39	-0.1%		19.8%	25,897	25,892	-5	0.0%		19.8%	23,855	24,009	155	0.6%	
21.0%	29,057	29,009	-48	-0.2%		21.0%	27,336	27,149	-188	-0.7%		21.0%	25,752	25,629	-123	-0.5%		21.0%	23,829	23,984	155	0.6%	
22.2%	29,041	28,912	-129	-0.4%		22.2%	27,274	27,004	-271	-1.0%		22.2%	25,649	25,546	-103	-0.4%		22.2%	23,656	23,964	291	1.2%	
23.5%	28,994	28,910	-85	-0.3%		23.5%	27,056	26,786	-270	-1.0%		23.5%	25,469	25,408	-60	-0.2%		23.5%	23,650	23,937	287	1.2%	
24.7%	28,964	29,901	77	0.1%		24.7%	26,466	26,747	281	1.1%		24.7%	24,833	25,281	448	1.8%		24.7%	23,592	23,870	278	1.2%	
25.9%	28,801	28,862	61	0.2%		25.9%	26,421	26,529	108	0.4%		25.9%	24,739	25,068	329	1.3%		25.9%	23,500	23,858	358	1.5%	
27.2%	28,678	28,826	148	0.5%		27.2%	26,326	26,450	124	0.5%		27.2%	24,622	24,865	243	1.0%		27.2%	23,445	23,798	353	1.5%	
28.4%	28,651	28,796	145	0.5%		28.4%	26,318	26,445	127	0.5%		28.4%	24,553	24,764	211	0.9%		28.4%	23,373	23,734	361	1.5%	
29.6%	28,601	28,765	165	0.6%		29.6%	26,272	26,390	118	0.5%		29.6%	24,373	24,694	321	1.3%		29.6%	23,362	23,676	313	1.3%	
30.9%	28,598	28,698	101	0.4%		30.9%	26,210	26,133	-76	-0.3%		30.9%	24,371	24,446	75	0.3%		30.9%	23,276	23,659	483	1.9%	
32.1%	28,486	28,678	192	0.7%		32.1%	25,986	26,130	145	0.6%		32.1%	24,359	24,443	83	0.3%		32.1%	23,036	23,659	624	2.7%	
33.3%	28,458	28,621	163	0.6%		33.3%	25,918	26,122	204	0.8%		33.3%	24,180	24,425	245	1.0%		33.3%	23,005	23,470	465	2.0%	
34.6%	28,435	28,587	152	0.5%		34.6%	25,901	26,120	219	0.8%		34.6%	24,117	24,259	142	0.6%		34.6%	22,935	23,340	405	1.8%	
35.8%	28,408	28,524	116	0.4%		35.8%	25,716	26,063	347	1.4%		35.8%	23,929	24,208	279	1.2%		35.8%	22,740	23,299	560	2.5%	
37.0%	28,339	28,461	123	0.4%		37.0%	25,625	26,038	413	1.6%		37.0%	23,748	24,176	428	1.8%		37.0%	22,710	23,249	539	2.4%	
38.3%	27,968	28,423	455	1.6%		38.3%	25,154	26,001	847	3.4%		38.3%	23,711	24,162	451	1.9%		38.3%	22,479	23,192	713	3.2%	
39.5%	27,787	28,353	566	2.0%		39.5%	25,058	25,910	852	3.4%		39.5%	23,687	24,107	420	1.8%		39.5%	22,464	23,182	717	3.2%	
40.7%	27,775	28,324	550	2.0%		40.7%	24,798	25,844	1,047	4.2%		40.7%	23,187	24,082	895	3.9%		40.7%	22,432	23,159	727	3.2%	
42.0%	27,747	28,297	551	2.0%		42.0%	24,771	25,838	1,067	4.3%		42.0%	23,162	24,076	914	3.9%		42.0%	22,396	23,016	619	2.8%	
43.2%	27,685	28,057	372	1.3%		43.2%	24,770	25,886	1,116	4.5%		43.2%	23,075	23,659	584	2.5%		43.2%	22,359	22,851	492	2.2%	
44.4%	27,587	28,025	438	1.6%		44.4%	24,727	25,574	847	3.4%		44.4%	22,986	23,631	645	2.8%		44.4%	22,275	23,017	742	3.3%	
45.7%	27,577	28,023	446	1.6%		45.7%	24,669	25,431	762	3.1%		45.7%	22,946	23,505	559	2.4%		45.7%	22,210	22,792	582	2.6%	
46.9%	27,516	27,871	355	1.3%		46.9%	24,662	25,191	529	2.1%		46.9%	22,909	23,490	581	2.5%		46.9%	22,167	22,684	518	2.3%	
48.1%	27,141	27,865	724	2.7%		48.1%	24,619	25,126	507	2.1%		48.1%	22,788	23,457	669	2.9%		48.1%	22,033	22,649	616	2.8%	
49.4%	27,121	27,841	720	2.7%		49.4%	24,597	25,126	529	2.1%		49.4%	22,691	23,375	683	3.0%		49.4%	22,011	22,621	611	2.8%	
50.6%	27,074	27,789	714	2.6%		50.6%	24,520	25,043	523	2.1%		50.6%	22,681	23,372	691	3.0%		50.6%	21,759	22,500	741	3.4%	
51.9%	26,995	27,774	778	2.9%		51.9%	24,487	24,997	509	2.1%		51.9%	22,331	23,167	836	3.7%		51.9%	21,724	22,436	713	3.3%	
53.1%	26,939	27,610	671	2.5%		53.1%	24,439	24,983	543	2.2%		53.1%	22,306	23,167	861	3.8%		53.1%	21,680	22,359	678	3.1%	
54.3%	26,910	27,501	591	2.2%		54.3%	24,374	24,759	385	1.6%		54.3%	22,276	22,894	618	2.8%		54.3%	21,646	22,297	651	3.0%	
55.6%	26,702	27,458	756	2.8%		55.6%	24,074	24,635	561	2.3%		55.6%	22,220	22,719	499	2.2%		55.6%	21,633	22,173	540	2.5%	
56.8%	26,663	27,181	518	1.9%		56.8%	23,963	24,556	593	2.5%		56.8%	22,060	22,588	528	2.4%		56.8%	21,503	22,109	607	2.8%	
58.0%	26,554	27,145	591	2.2%		58.0%	23,696	24,354	659	2.8%		58.0%	22,041	22,527	486	2.2%		58.0%	21,501	21,967	466	2.2%	
59.3%	26,505	27,139	634	2.4%		59.3%	23,691	24,267	577	2.4%		59.3%	21,864	22,482	618	2.8%		59.3%	21,034	21,775	741	3.5%	
60.5%	26,390	26,928	538	2.0%		60.5%	23,659	24,135	476	2.0%		60.5%	21,832	22,234	402	1.8%		60.5%	20,795	21,745	950	4.6%	
61.7%	26,233	26,829	596	2.3%		61.7%	23,518	24,079	561	2.4%		61.7%	21,797	22,096	300	1.4%		61.7%	20,762	21,564	802	3.9%	
63.0%	26,128	26,659	531	2.0%		63.0%	23,389	23,763	373	1.6%		63.0%	21,485	22,003	518	2.4%		63.0%	20,699	21,291	592	2.9%	
64.2%	26,109	26,520	411	1.6%		64.2%	23,323	23,625	302	1.3%		64.2%	21,250	21,962	712	3.3%		64.2%	20,615	21,270	655	3.2%	
65.4%	25,851	26,297	446	1.7%		65.4%	23,196	23,562	366	1.6%		65.4%	20,994	21,903	909	4.3%		65.4%	20,535	21,077	642	3.1%	
66.7%	25,607	26,050	443	1.7%		66.7%	22,792	23,545	753	3.3%		66.7%	20,977	21,647	670	3.2%		66.7%	20,291	20,869	579	2.9%	
67.9%	25,483	26,017	534	2.2%		67.9%	22,506	23,391	885	3.9%		67.9%	20,844	21,615	770	3.7%		67.9%	20,211	20,869	658	3.3%	
69.1%	24,883	25,564	681	2.7%		69.1%	22,470	22,483	13	0.1%		69.1%	20,680	21,544	864	4.2%		69.1%	20,160	20,796	637	3.2%	
70.4%	24,793	25,488	695	2.8%		70.4%	21,948	22,477	529	2.4%		70.4%	20,641	21,218	577	2.8%		70.4%	20,122	20,736	613	3.0%	
71.6%	24,791	25,018	226	0.9%		71.6%	21,914	22,457	543	2.5%		71.6%	20,634	21,033	399	1.9%		71.6%	19,862				

Table SW-10-5a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	6,191	6,373	6,696	8,274	10,211	8,555	6,942	7,866	10,846	13,210	10,550	8,069
Alternative B	6,235	6,598	7,445	8,637	10,815	8,308	6,409	7,455	10,404	13,093	10,395	7,989
Difference	44	225	749	362	603	-248	-533	-411	-442	-116	-156	-80
Percent Difference ³	0.7%	3.5%	11.2%	4.4%	5.9%	-2.9%	-7.7%	-5.2%	-4.1%	-0.9%	-1.5%	-1.0%
Water Year Types²												
Wet (32%)												
No Action Alternative	7,296	8,649	7,369	15,898	18,357	16,226	9,479	9,465	10,515	12,963	11,017	12,376
Alternative B	7,520	8,546	8,228	16,319	18,942	16,056	9,261	9,461	10,641	12,908	10,832	11,989
Difference	225	-103	859	421	584	-170	-217	-3	127	-55	-185	-387
Percent Difference	3.1%	-1.2%	11.7%	2.7%	3.2%	-1.1%	-2.3%	0.0%	1.2%	-0.4%	-1.7%	-3.1%
Above Normal (15%)												
No Action Alternative	5,952	8,274	6,844	7,637	14,153	8,412	6,093	7,692	11,336	14,294	10,702	8,198
Alternative B	6,145	8,547	7,956	7,263	14,750	8,106	5,873	7,702	10,747	14,205	10,347	7,669
Difference	193	274	1,112	-374	597	-306	-221	9	-589	-89	-355	-529
Percent Difference	3.2%	3.3%	16.2%	-4.9%	4.2%	-3.6%	-3.6%	0.1%	-5.2%	-0.6%	-3.3%	-6.5%
Below Normal (17%)												
No Action Alternative	5,261	5,066	7,920	4,285	5,700	4,747	5,167	6,958	10,735	12,997	10,181	5,397
Alternative B	5,738	5,648	8,822	4,676	6,417	4,329	4,742	6,299	9,944	12,868	9,874	5,594
Difference	476	581	902	391	716	-418	-425	-659	-790	-130	-306	197
Percent Difference	9.1%	11.5%	11.4%	9.1%	12.6%	-8.8%	-8.2%	-9.5%	-7.4%	-1.0%	-3.0%	3.7%
Dry (22%)												
No Action Alternative	5,936	4,465	6,916	3,889	3,764	3,878	5,648	7,208	11,245	13,426	10,682	5,656
Alternative B	5,341	4,998	7,612	4,662	4,509	3,543	4,708	6,478	10,286	13,461	10,424	5,659
Difference	-595	534	696	773	745	-335	-939	-729	-958	35	-258	3
Percent Difference	-10.0%	12.0%	10.1%	19.9%	19.8%	-8.6%	-16.6%	-10.1%	-8.5%	0.3%	-2.4%	0.1%
Critical (15%)												
No Action Alternative	5,504	3,931	3,331	3,625	3,553	3,539	6,306	6,626	10,606	12,583	9,623	5,345
Alternative B	5,464	3,938	3,378	3,947	3,860	3,512	5,263	5,674	10,258	12,095	10,059	5,929
Difference	-40	6	47	322	307	-26	-1,042	-951	-348	-488	436	584
Percent Difference	-0.7%	0.2%	1.4%	8.9%	8.6%	-0.7%	-16.5%	-14.4%	-3.3%	-3.9%	4.5%	10.9%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



Figure SW-10-5b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

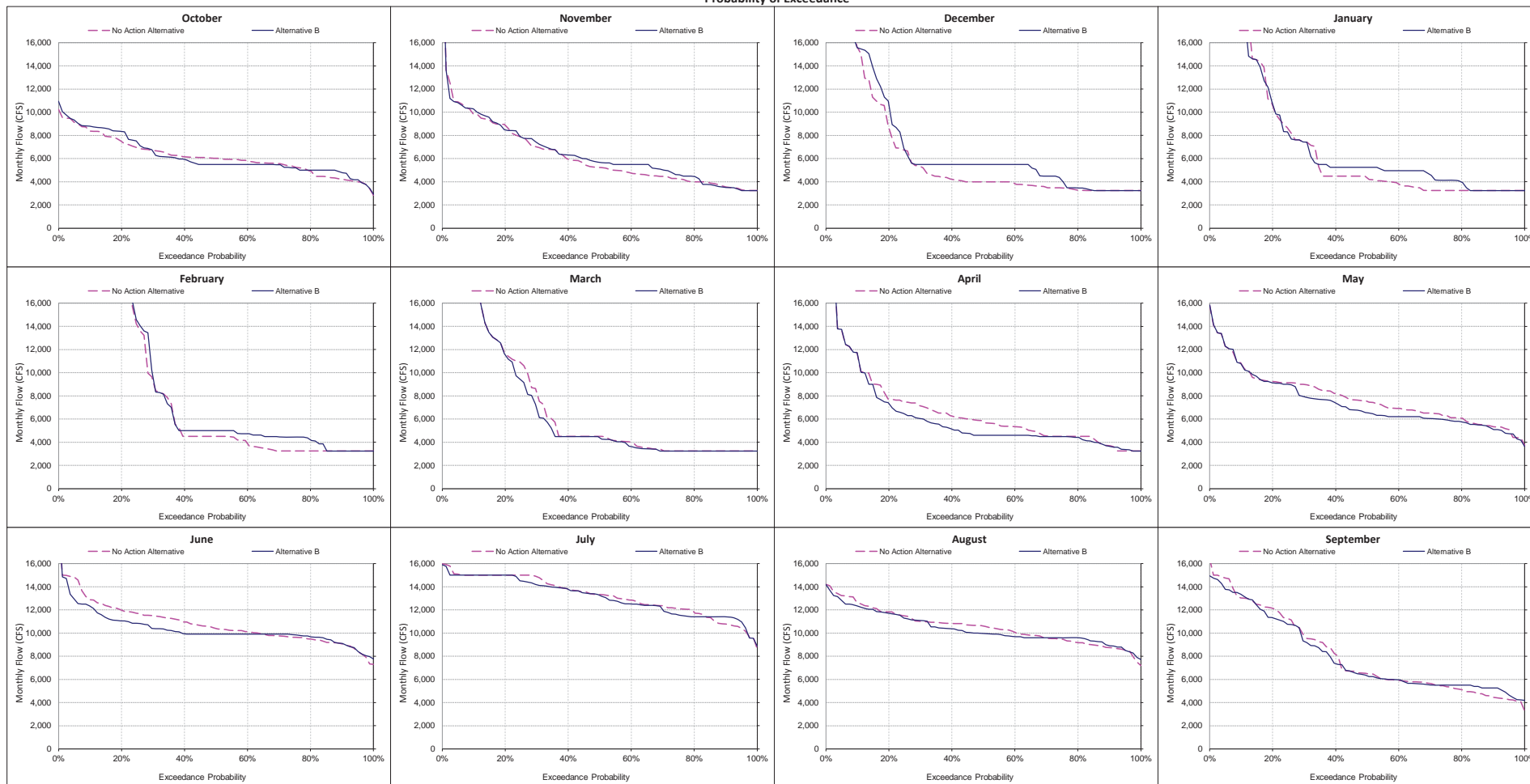


Table SW-10-5b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	10,948	705	6.9%
0.2%	9,547	10,566	1,019	10.7%
2.5%	9,499	9,760	261	2.7%
3.7%	9,474	9,474	0	0.0%
4.9%	9,132	9,333	201	2.2%
6.2%	8,999	9,048	49	0.5%
7.4%	8,740	8,840	95	1.1%
8.6%	8,730	8,819	89	1.0%
9.9%	8,370	8,809	439	5.2%
11.1%	8,361	8,737	375	4.5%
12.3%	8,352	8,684	332	4.0%
13.6%	8,299	8,657	358	4.3%
14.8%	7,926	8,626	700	8.8%
16.0%	7,889	8,557	668	8.5%
17.3%	7,852	8,399	547	7.0%
18.5%	7,727	8,375	648	8.4%
19.8%	7,525	8,361	836	11.1%
21.0%	7,275	8,318	1,043	14.3%
22.2%	7,215	7,652	437	6.1%
23.5%	7,087	7,594	508	7.2%
24.7%	6,974	7,522	548	7.9%
25.9%	6,848	7,404	556	8.1%
27.2%	6,820	6,936	116	1.7%
28.4%	6,788	6,885	97	1.4%
29.6%	6,701	6,777	75	1.1%
30.9%	6,670	6,288	-382	-5.7%
32.1%	6,641	6,191	-449	-6.8%
33.3%	6,561	6,162	-399	-6.1%
34.6%	6,428	6,137	-291	-4.5%
35.8%	6,303	6,112	-192	-3.0%
37.0%	6,280	6,068	-213	-3.4%
38.3%	6,266	6,065	-201	-3.2%
39.5%	6,171	5,960	-211	-3.4%
40.7%	6,153	5,885	-268	-4.4%
42.0%	6,130	5,721	-409	-6.7%
43.2%	6,112	5,617	-495	-8.1%
44.4%	6,099	5,500	-599	-9.8%
45.7%	6,096	5,500	-596	-9.8%
46.9%	6,089	5,500	-589	-9.7%
48.1%	6,042	5,500	-542	-9.0%
49.4%	6,033	5,500	-533	-8.8%
50.6%	6,024	5,500	-524	-8.7%
51.9%	5,965	5,500	-465	-7.8%
53.1%	5,946	5,500	-446	-7.5%
54.3%	5,938	5,500	-438	-7.4%
55.6%	5,920	5,500	-420	-7.1%
56.8%	5,914	5,500	-414	-7.0%
58.0%	5,855	5,500	-355	-6.1%
59.3%	5,849	5,500	-349	-6.0%
60.5%	5,752	5,500	-252	-4.4%
61.7%	5,713	5,500	-213	-3.7%
63.0%	5,657	5,500	-157	-2.8%
64.2%	5,643	5,500	-143	-2.5%
65.4%	5,624	5,500	-124	-2.2%
66.7%	5,604	5,500	-104	-1.8%
67.9%	5,600	5,500	-100	-1.8%
69.1%	5,592	5,476	-116	-2.1%
70.4%	5,570	5,472	-99	-1.8%
71.6%	5,481	5,259	-222	-4.1%
72.8%	5,377	5,256	-121	-2.2%
74.1%	5,367	5,210	-157	-2.9%
75.3%	5,248	5,208	-40	-0.8%
76.5%	5,205	5,000	-205	-3.9%
77.8%	5,172	5,000	-172	-3.3%
79.0%	4,996	5,000	4	0.1%
80.2%	4,889	5,000	111	2.3%
81.5%	4,477	5,000	523	11.7%
82.7%	4,475	5,000	525	11.7%
84.0%	4,464	5,000	536	12.0%
85.2%	4,444	5,000	556	12.5%
86.4%	4,363	5,000	637	14.6%
87.7%	4,328	5,000	672	15.5%
88.9%	4,256	4,884	627	14.7%
90.1%	4,231	4,777	546	12.9%
91.4%	4,148	4,733	585	14.1%
92.6%	4,108	4,264	156	3.8%
93.8%	4,052	4,175	123	3.0%
95.1%	4,000	4,170	170	4.3%
96.3%	3,955	3,915	-40	-1.0%
97.5%	3,774	3,767	-7	-0.2%
98.8%	3,390	3,442	52	1.5%
100.0%	2,836	2,918	82	2.9%

Percent Exceedance Probability	November			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	26,522	-987	-3.6%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	11,191	-1,330	-10.6%
3.7%	10,931	10,931	0	0.0%
4.9%	10,889	10,845	-44	-0.4%
6.2%	10,724	10,805	-119	-1.1%
7.4%	10,436	10,456	-79	-0.8%
8.6%	10,295	10,352	-57	-0.6%
9.9%	9,856	10,302	446	4.5%
11.1%	9,831	10,012	182	1.8%
12.3%	9,497	9,831	334	3.5%
13.6%	9,433	9,688	255	2.7%
14.8%	9,384	9,580	196	2.1%
16.0%	9,095	9,191	96	1.1%
17.3%	8,986	9,073	87	1.0%
18.5%	8,948	8,886	-62	-0.7%
19.8%	8,948	8,499	-449	-5.0%
21.0%	8,590	8,426	-164	-1.9%
22.2%	8,173	8,420	247	3.0%
23.5%	8,012	8,410	398	5.0%
24.7%	7,918	7,918	0	0.0%
25.9%	7,808	7,838	30	0.4%
27.2%	7,482	7,738	256	3.4%
28.4%	7,071	7,729	658	9.3%
29.6%	7,043	7,468	425	6.0%
30.9%	6,937	7,236	299	4.3%
32.1%	6,822	7,087	265	3.9%
33.3%	6,803	6,946	143	2.1%
34.6%	6,799	6,813	14	0.2%
35.8%	6,758	6,758	0	0.0%
37.0%	6,493	6,394	-99	-1.5%
38.3%	6,296	6,296	0	0.0%
39.5%	6,015	6,321	306	5.1%
40.7%	5,857	6,311	454	7.7%
42.0%	5,721	6,272	422	7.2%
43.2%	5,627	6,147	320	5.5%
44.4%	5,608	6,108	335	5.9%
45.7%	5,437	5,986	549	10.1%
46.9%	5,321	5,843	522	9.8%
48.1%	5,279	5,766	487	9.2%
49.4%	5,250	5,686	436	8.3%
50.6%	5,229	5,659	430	8.2%
51.9%	5,174	5,638	464	9.0%
53.1%	5,068	5,629	561	11.1%
54.3%	4,998	5,500	502	10.0%
55.6%	4,970	5,500	530	10.7%
56.8%	4,958	5,500	542	10.9%
58.0%	4,879	5,500	621	12.7%
59.3%	4,800	5,500	700	14.6%
60.5%	4,718	5,500	782	16.6%
61.7%	4,686	5,500	814	17.4%
63.0%	4,646	5,500	854	18.4%
64.2%	4,630	5,500	870	18.8%
65.4%	4,553	5,500	947	20.8%
66.7%	4,521	5,179	658	14.6%
67.9%	4,511	5,134	622	13.8%
69.1%	4,473	5,084	611	13.7%
70.4%	4,458	5,011	553	12.4%
71.6%	4,430	4,950	520	11.7%
72.8%	4,286	4,805	520	12.1%
74.1%	4,279	4,634	355	8.3%
75.3%	4,242	4,610	367	8.7%
76.5%	4,194	4,500	306	7.3%
77.8%	4,062	4,500	438	10.8%
79.0%	4,000	4,500	500	12.5%
80.2%	4,000	4,438	438	10.9%
81.5%	4,000	4,257	257	6.4%
82.7%	3,776	4,200	424	11.2%
84.0%	4,000	3,772	-228	-5.7%
85.2%	3,885	3,750	-135	-3.5%
86.4%	3,634	3,695	-139	-3.6%
87.7%	3,597	3,370	-227	-6.3%
88.9%	3,635	3,547	-88	-2.4%
90.1%	3,556	3,498	-58	-1.6%
91.4%	3,499	3,498	-1	0.0%
92.6%	3,481	3,481	0	0.0%
93.8%	3,434	3,370	-64	-1.9%
95.1%	3,297	3,250	-47	-1.4%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Percent Exceedance Probability	December			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	24,622	-1,605	-6.1%
1.2%	24,964	24,964	0	0.0%
2.5%	24,622	23,755	-868	-3.5%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	21,262	-356	-1.6%
6.2%	20,314	20,314	0	0.0%
7.4%	19,063	17,492	-1,571	-8.2%
8.6%	17,244	16,488	-755	-4.4%
9.9%	15,658	15,562	-95	-0.6%
11.1%	15,051	15,455	403	2.7%
12.3%	12,935	15,343	2,408	18.6%
13.6%	12,898	15,051	2,153	16.7%
14.8%	11,307	13,892	2,585	22.9%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	12,215	1,529	14.3%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,604	8,925	1,122	14.4%
22.2%	6,930	8,699	1,769	25.5%
23.5%	6,907	8,297	1,390	20.1%
24.7%	6,742	6,907	165	2.4%
25.9%	6,666	6,626	-40	-0.6%
27.2%	6,642	5,606	-36	-0.6%
28.4%	5,412	5,500	88	1.6%
29.6%	5,381	5,500	119	2.2%
30.9%	5,201	5,500	299	5.8%
32.1%	4,741	5,500	759	16.0%
33.3%	4,633	5,500	867	18.7%
34.6%	4,498	5,500	1,002	22.3%
35.8%	4,468	5,500	1,032	23.1%
37.0%	4,378	5,500	1,122	25.6%
38.3%	4,376	5,500	1,124	25.7%
39.5%	4,252	5,500	1,248	29.4%
40.7%	4,181	5,500	1,319	31.6%
42.0%	4,131	5,500	1,369	33.1%
43.2%	4,081	5,500	1,419	34.8%
44.4%	4,000	5,500	1,500	37.5%
45.7%	4,000	5,500	1,500	37.5%
46.9%	4,000	5,500	1,500	37.5%
48.1%	4,000	5,500	1,500	37.5%
49.4%	4,000	5,500	1,500	37.5%
50.6%	4,000	5,500	1,500	37.5%
51.9%	4,000	5,500	1,500	37.5%
53.1%	4,000	5,500	1,500	37.5%
54.3%	4,000	5,500	1,500	37.5%
55.6%	4,000	5,500	1,500	37.5%
56.8%	4,000	5,500	1,500	37.5%
58.0%	4,000	5,500	1,500	37.5%
59.3%	3,929	5,500	1,571	40.0%
60.5%	3,784	5,500	1,716	45.4%
61.7%	3,764	5,500	1,736	46.1%
63.0%	3,744	5,500	1,756	46.9%
64.2%	3,707	5,500	1,793	48.4%
65.4%	3,690	5,190	1,500	40.6%
66.7%	3,650	5,066	1,416	38.8%
67.9%	3,609	4,510	901	25.0%
69.1%	3,595	4,501	905	25.2%
70.4%	3,494	4,500	1,006	28.8%
71.6%	3,493	4,500	1,007	28.8%
72.8%	3,490	4,500	1,010	28.9%
74.1%	3,481	4,378	897	25.8%
75.3%	3,472	4,000	528	15.2%
76.5%	3,471	4,494	24	0.7%
77.8%	3,392	3,493	101	3.0%
79.0%	3,327	3,490	163	4.9%
80.2%	3,257	3,472	215	6.6%
81.5%	3,251	3,471	220	6.8%
82.7%	3,250	3,392	142	4.4%
84.0%	3,250	3,312	62	1.9%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	

Table SW-10-5b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,094	3,087	7.0%
1.2%	44,007	44,007	1,978	4.5%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	34,689	2,212	6.8%
6.2%	31,736	31,535	-201	-0.6%
7.4%	30,699	30,289	-410	-1.3%
8.6%	28,992	30,069	1,077	3.7%
9.9%	27,512	29,178	1,666	6.1%
11.1%	26,291	27,885	1,595	6.1%
12.3%	26,276	27,512	1,236	4.7%
13.6%	23,696	23,696	0	0.0%
14.8%	23,127	23,127	0	0.0%
16.0%	22,775	22,775	0	0.0%
17.3%	21,451	21,451	0	0.0%
18.5%	21,309	21,309	0	0.0%
19.8%	18,799	18,799	0	0.0%
21.0%	18,422	18,422	0	0.0%
22.2%	18,321	18,321	0	0.0%
23.5%	15,705	16,170	465	3.0%
24.7%	14,217	14,585	368	2.6%
25.9%	13,598	14,048	450	3.3%
27.2%	13,212	13,598	386	2.9%
28.4%	9,952	13,449	3,498	35.1%
29.6%	9,642	10,180	538	5.6%
30.9%	8,436	8,323	-113	-1.3%
32.1%	8,323	8,294	-29	-0.3%
33.3%	8,164	8,164	0	0.0%
34.6%	7,864	7,328	-536	-6.8%
35.8%	7,324	7,023	-301	-4.1%
37.0%	5,550	5,550	0	0.0%
38.3%	5,257	5,000	-257	-4.9%
39.5%	4,500	5,000	500	11.1%
40.7%	4,500	5,000	500	11.1%
42.0%	4,500	5,000	500	11.1%
43.2%	4,500	5,000	500	11.1%
44.4%	4,500	5,000	500	11.1%
45.7%	4,500	5,000	500	11.1%
46.9%	4,500	5,000	500	11.1%
48.1%	4,500	5,000	500	11.1%
49.4%	4,500	5,000	500	11.1%
50.6%	4,500	5,000	500	11.1%
51.9%	4,500	5,000	500	11.1%
53.1%	4,500	5,000	500	11.1%
54.3%	4,491	5,000	509	11.3%
55.6%	4,451	5,000	549	12.3%
56.8%	4,207	4,761	554	13.2%
58.0%	4,174	4,725	551	13.2%
59.3%	4,146	4,725	579	14.0%
60.5%	3,679	4,725	3,979	28.4%
61.7%	3,637	4,625	988	27.2%
63.0%	3,598	4,625	1,027	28.9%
64.2%	3,525	4,625	1,100	31.2%
65.4%	3,488	4,500	1,012	29.0%
66.7%	3,414	4,400	986	28.9%
67.9%	3,351	4,400	1,049	31.3%
69.1%	3,250	4,400	1,150	35.4%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,455	1,205	37.1%
72.8%	3,250	4,455	1,205	37.1%
74.1%	3,250	4,455	1,205	37.1%
75.3%	3,250	4,455	1,205	37.1%
76.5%	3,250	4,455	1,205	37.1%
77.8%	3,250	4,455	1,205	37.1%
79.0%	3,250	4,375	1,125	34.6%
80.2%	3,250	4,146	896	27.6%
81.5%	3,250	4,104	854	26.3%
82.7%	3,250	3,875	625	19.2%
84.0%	3,250	3,875	625	19.2%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,501	41,508	7	0.0%
2.5%	40,248	38,253	-1,995	-5.0%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	23,156	-3,387	-12.8%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	18,544	0	0.0%
11.1%	17,063	17,840	777	4.6%
12.3%	15,812	15,812	0	0.0%
13.6%	14,297	14,297	0	0.0%
14.8%	13,482	13,482	0	0.0%
16.0%	13,072	13,072	0	0.0%
17.3%	12,834	12,834	0	0.0%
18.5%	12,569	12,569	0	0.0%
19.8%	11,720	11,648	-72	-0.6%
21.0%	11,423	11,165	-257	-2.3%
22.2%	11,165	10,926	-239	-2.1%
23.5%	11,012	9,749	-1,263	-11.5%
24.7%	10,926	9,444	-1,482	-13.6%
25.9%	10,601	9,561	-1,040	-9.8%
27.2%	9,911	8,133	-1,778	-17.9%
28.4%	8,704	8,041	-663	-7.6%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,125	-1,403	-18.6%
32.1%	7,278	6,079	-1,199	-16.5%
33.3%	6,125	5,728	-397	-6.5%
34.6%	6,078	5,218	-860	-14.1%
35.8%	5,728	4,500	-1,228	-21.4%
37.0%	4,500	4,500	0	0.0%
38.3%	4,500	4,500	0	0.0%
39.5%	4,500	4,500	0	0.0%
40.7%	4,500	4,500	0	0.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,278	-222	-4.9%
51.9%	4,461	4,250	-211	-4.7%
53.1%	4,250	4,239	-11	-0.2%
54.3%	4,143	4,134	-9	-0.2%
55.6%	4,134	4,048	-86	-2.1%
56.8%	4,087	4,042	-45	-1.1%
58.0%	3,979	3,979	-82	-2.0%
59.3%	4,048	3,666	-383	-9.5%
60.5%	3,979	3,602	-376	-9.5%
61.7%	3,658	3,510	-147	-4.0%
63.0%	3,602	3,473	-130	-3.6%
64.2%	3,510	3,436	-74	-2.1%
65.4%	3,494	3,422	-72	-2.1%
66.7%	3,436	3,422	-15	-0.4%
67.9%	3,422	3,403	-19	-0.6%
69.1%	3,422	3,250	-172	-5.0%
70.4%	3,250	3,250	0	0.0%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,037	0	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,792	-5	0.0%
4.9%	12,739	13,739	1,000	7.8%
6.2%	12,446	12,446	0	0.0%
7.4%	12,268	12,268	0	0.0%
8.6%	11,770	11,770	0	0.0%
9.9%	11,736	11,736	0	0.0%
11.1%	10,089	10,023	-66	-0.7%
12.3%	10,023	9,987	-36	-0.4%
13.6%	9,987	9,987	0	0.0%
14.8%	9,031	8,993	-38	-0.4%
16.0%	9,000	7,868	-1,132	-12.6%
17.3%	8,925	7,694	-1,231	-13.8%
18.5%	8,301	7,490	-811	-9.8%
19.8%	7,716	7,410	-305	-4.0%
21.0%	7,694	6,979	-715	-9.3%
22.2%	7,637	6,680	-957	-12.5%
23.5%	7,635	6,585	-1,050	-13.8%
24.7%	7,467	6,486	-981	-13.1%
25.9%	7,463	6,289	-1,174	-15.7%
27.2%	7,395	6,289	-1,106	-15.0%
28.4%	7,381	6,111	-1,270	-17.2%
29.6%	7,158	6,050	-1,108	-15.5%
30.9%	7,069	6,007	-1,063	-15.0%
32.1%	6,959	5,800	-1,159	-16.6%
33.3%	6,804	5,664	-1,140	-16.8%
34.6%	6,680	5,608	-1,072	-16.0%
35.8%	6,529	5,568	-962	-14.7%
37.0%	6,525	5,350	-1,175	-18.0%
38.3%	6,515	5,290	-1,225	-18.8%
39.5%	6,298	5,192	-1,106	-17.6%
40.7%	6,213	5,046	-1,167	-18.8%
42.0%	6,127	5,045	-1,082	-17.7%
43.2%	6,093	4,792	-1,301	-21.4%
44.4%	6,051	4,784	-1,267	-20.9%
45.7%	6,010	4,500	-1,510	-25.1%
46.9%	5,946	4,611	-1,335	-22.5%
48.1%	5,889	4,606	-1,282	-21.8%
49.4%	5,878	4,600	-1,278	-21.7%
50.6%	5,822	4,600	-1,222	-21.2%
51.9%	5,645	4,600	-1,045	-18.6%
53.1%	5,625	4,600	-1,025	-18.2%
54.3%	5,577	4,600	-977	-17.5%
55.6%	5,409	4,600	-809	-15.0%
56.8%	5,378	4,600	-778	-14.5%
58.0%	5,373	4,600	-773	-14.4%
59.3%	5,356	4,600	-756	-14.1%
60.5%	5,347	4,600	-747	-14.0%
61.7%	5,312	4,600	-712	-13.4%
63.0%	5,243	4,600	-643	-12.3%
64.2%	5,046	4,600	-446	-8.8%
65.4%	4,980	4,557	-424	-8.5%
66.7%	4,927	4,550	-377	-7.6%
67.9%	4,758	4,500	-258	-5.4%
69.1%	4,580	4,500	-80	-1.7%
70.4%	4,532	4,500	-32	-0.7%
71.6%	4,512	4,500	-12	-0.3%
72.8%	4,500	4,500	0	0.0%
74.1%	4,500	4,500	0	0.0%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,488	-12	-0.3%
77.8%	4,500	4,469	-31	-0.7%
79.0%	4,500	4,434	-66	-1.5%
80.2%	4,500	4,417	-83	-1.8%
81.5%	4,500	4,220	-280	-6.2%
82.7%	4,500	4,135	-365	-8.1%
84.0%	4,500	4,116	-384	-8.5%
85.2%	4,266	3,993	-273	-6.4%
86.4%	3,990	3,981	-9	-0.2%
87.7%	3,818	3,852	34	0.9%
88.9%	3,719	3,		

Table SW-10-5b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	19,000	14,866	-154	-0.8%
2.5%	14,970	15,000	-249	-1.7%
3.7%	14,882	13,341	-1,541	-10.4%
4.9%	14,846	12,941	-1,906	-12.8%
6.2%	14,582	12,547	-2,035	-14.0%
7.4%	13,652	12,500	-1,152	-8.4%
8.6%	13,166	12,500	-666	-5.1%
9.9%	12,879	12,341	-538	-4.2%
11.1%	12,855	12,117	-738	-5.7%
12.3%	12,607	11,748	-859	-6.8%
13.6%	12,555	11,576	-979	-7.8%
14.8%	12,388	11,353	-1,035	-8.4%
16.0%	12,299	11,214	-1,085	-8.8%
17.3%	12,170	11,123	-1,047	-8.6%
18.5%	12,142	11,102	-1,040	-8.6%
19.8%	11,998	11,044	-954	-7.9%
21.0%	11,875	11,043	-832	-7.0%
22.2%	11,859	10,979	-880	-7.4%
23.5%	11,816	10,850	-966	-8.2%
24.7%	11,714	10,843	-871	-7.4%
25.9%	11,672	10,827	-845	-7.3%
27.2%	11,530	10,756	-775	-6.7%
28.4%	11,528	10,722	-806	-7.0%
29.6%	11,471	10,408	-1,117	-9.7%
30.9%	11,471	10,369	-1,102	-9.6%
32.1%	11,419	10,369	-1,050	-9.2%
33.3%	11,360	10,353	-1,007	-8.9%
34.6%	11,299	10,235	-1,064	-9.4%
35.8%	11,275	10,215	-1,060	-9.4%
37.0%	11,203	10,138	-1,066	-9.5%
38.3%	11,132	10,107	-1,024	-9.2%
39.5%	10,966	9,965	-1,001	-9.1%
40.7%	10,964	9,915	-1,049	-9.6%
42.0%	10,806	9,910	-895	-8.3%
43.2%	10,744	9,900	-844	-7.9%
44.4%	10,681	9,900	-783	-7.4%
45.7%	10,619	9,900	-719	-6.8%
46.9%	10,591	9,900	-691	-6.5%
48.1%	10,546	9,900	-646	-6.1%
49.4%	10,448	9,900	-548	-5.2%
50.6%	10,361	9,900	-461	-4.4%
51.9%	10,344	9,900	-444	-4.2%
53.1%	10,297	9,900	-397	-3.9%
54.3%	10,236	9,900	-336	-3.3%
55.6%	10,221	9,900	-321	-3.1%
56.8%	10,217	9,900	-317	-3.1%
58.0%	10,208	9,900	-308	-3.0%
59.3%	10,123	9,900	-223	-2.2%
60.5%	10,120	9,900	-220	-2.2%
61.7%	10,039	9,900	-139	-1.4%
63.0%	10,021	9,900	-121	-1.2%
64.2%	9,940	9,900	-40	-0.4%
65.4%	9,876	9,900	24	0.2%
66.7%	9,800	9,900	100	1.0%
67.9%	9,791	9,900	109	1.1%
69.1%	9,770	9,900	130	1.3%
70.4%	9,740	9,900	160	1.6%
71.6%	9,719	9,900	181	1.9%
72.8%	9,672	9,900	228	2.4%
74.1%	9,645	9,868	223	2.3%
75.3%	9,633	9,839	196	2.0%
76.5%	9,623	9,787	164	1.7%
77.8%	9,606	9,756	149	1.6%
79.0%	9,494	9,754	259	2.7%
80.2%	9,472	9,653	181	1.9%
81.5%	9,415	9,652	237	2.5%
82.7%	9,402	9,636	234	2.5%
84.0%	9,310	9,588	278	3.0%
85.2%	9,191	9,471	280	3.1%
86.4%	9,179	9,414	235	2.6%
87.7%	9,176	9,181	15	0.2%
88.9%	9,151	9,117	-34	-0.4%
90.1%	9,048	9,111	63	0.7%
91.4%	8,928	9,058	30	0.3%
92.6%	8,887	8,820	-67	-0.8%
93.8%	8,668	8,756	87	1.0%
95.1%	8,376	8,406	30	0.4%
96.3%	8,186	8,186	0	0.0%
97.5%	7,946	8,045	98	1.2%
98.8%	7,334	7,957	623	8.5%
100.0%	7,300	7,754	454	6.2%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,987	-90	-0.6%
1.2%	15,912	15,775	-137	-0.9%
2.5%	15,000	14,722	-278	-1.9%
3.7%	15,115	15,000	-115	-0.8%
4.9%	15,085	15,000	-85	-0.6%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	15,000	0	0.0%
22.2%	15,000	15,000	0	0.0%
23.5%	15,000	14,889	-111	-0.7%
24.7%	15,000	14,508	-492	-3.3%
25.9%	15,000	14,460	-540	-3.6%
27.2%	15,000	14,404	-596	-4.0%
28.4%	15,000	14,346	-654	-4.4%
29.6%	14,903	14,209	-695	-4.7%
30.9%	14,780	14,110	-670	-4.5%
32.1%	14,539	14,080	-459	-3.2%
33.3%	14,273	14,037	-237	-1.7%
34.6%	14,165	13,986	-179	-1.3%
35.8%	14,115	13,960	-155	-1.1%
37.0%	13,988	13,910	-78	-0.6%
38.3%	13,875	13,806	-70	-0.5%
39.5%	13,837	13,850	13	0.1%
40.7%	13,725	13,655	-70	-0.5%
42.0%	13,678	13,652	-26	-0.2%
43.2%	13,641	13,652	11	0.1%
44.4%	13,549	13,489	-60	-0.4%
45.7%	13,539	13,433	-106	-0.8%
46.9%	13,410	13,404	-5	0.0%
48.1%	13,348	13,387	38	0.3%
49.4%	13,338	13,325	-14	-0.1%
50.6%	13,332	13,179	-153	-1.1%
51.9%	13,286	13,072	-214	-1.6%
53.1%	13,224	12,829	-395	-3.0%
54.3%	13,219	12,820	-400	-3.0%
55.6%	13,011	12,747	-265	-2.0%
56.8%	12,972	12,618	-354	-2.7%
58.0%	12,921	12,533	-388	-3.0%
59.3%	12,864	12,517	-347	-2.7%
60.5%	12,824	12,500	-324	-2.5%
61.7%	12,720	12,500	-220	-1.7%
63.0%	12,535	12,429	-107	-0.9%
64.2%	12,447	12,400	-47	-0.4%
65.4%	12,444	12,400	-44	-0.4%
66.7%	12,438	12,400	-38	-0.3%
67.9%	12,395	12,370	-25	-0.2%
69.1%	12,369	12,318	-51	-0.4%
70.4%	12,355	11,877	-478	-3.9%
71.6%	12,189	11,776	-413	-3.4%
72.8%	12,185	11,651	-534	-4.4%
74.1%	12,134	11,627	-507	-4.2%
75.3%	12,107	11,541	-566	-4.7%
76.5%	12,077	11,505	-572	-4.7%
77.8%	12,053	11,451	-602	-5.0%
79.0%	12,042	11,400	-642	-5.3%
80.2%	11,719	11,400	-319	-2.7%
81.5%	11,691	11,400	-291	-2.5%
82.7%	11,604	11,400	-204	-1.8%
84.0%	11,349	11,400	51	0.5%
85.2%	11,342	11,400	58	0.5%
86.4%	11,024	11,400	376	3.4%
87.7%	10,840	11,400	560	5.2%
88.9%	10,789	11,400	611	5.7%
90.1%	10,771	11,400	629	5.8%
91.4%	10,703	11,378	674	6.3%
92.6%	10,629	11,315	686	6.5%
93.8%	10,571	11,177	606	5.7%
95.1%	10,401	10,949	548	5.3%
96.3%	10,147	10,452	305	3.0%
97.5%	9,660	9,572	-88	-0.9%
98.8%	9,616	9,552	-64	-0.7%
100.0%	8,230	8,686	456	5.6%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,207	0	0.0%
1.2%	14,094	14,008	-86	-0.6%
2.5%	13,568	13,238	-330	-2.4%
3.7%	13,414	13,161	-252	-1.9%
4.9%	13,238	12,811	-428	-3.2%
6.2%	13,212	12,500	-712	-5.4%
7.4%	13,146	12,498	-648	-4.9%
8.6%	13,133	12,426	-706	-5.4%
9.9%	12,632	12,345	-286	-2.3%
11.1%	12,511	12,223	-288	-2.3%
12.3%	12,356	12,131	-225	-1.8%
13.6%	12,313	12,066	-247	-2.0%
14.8%	12,182	12,049	-133	-1.1%
16.0%	12,127	11,846	-281	-2.3%
17.3%	11,864	11,805	-60	-0.5%
18.5%	11,841	11,785	-56	-0.5%
19.8%	11,834	11,713	-121	-1.0%
21.0%	11,825	11,663	-162	-1.4%
22.2%	11,607	11,614	7	0.1%
23.5%	11,565	11,535	-31	-0.3%
24.7%	11,483	11,301	-182	-1.6%
25.9%	11,451	11,232	-219	-1.9%
27.2%	11,274	11,138	-136	-1.2%
28.4%	11,036	11,118	83	0.7%
29.6%	11,014	11,097	84	0.8%
30.9%	10,987	11,071	84	0.8%
32.1%	10,972	11,020	48	0.4%
33.3%	10,933	10,540	-393	-3.6%
34.6%	10,923	10,526	-397	-3.6%
35.8%	10,907	10,437	-471	-4.3%
37.0%	10,874	10,428	-446	-4.1%
38.3%	10,850	10,408	-441	-4.1%
39.5%	10,849	10,376	-473	-4.4%
40.7%	10,832	10,349	-483	-4.5%
42.0%	10,829	10,249	-580	-5.4%
43.2%	10,829	10,212	-617	-5.7%
44.4%	10,717	10,071	-646	-6.0%
45.7%	10,626	10,044	-582	-5.5%
46.9%	10,667	10,006	-661	-6.2%
48.1%	10,658	9,990	-668	-6.3%
49.4%	10,638	9,972	-666	-6.3%
50.6%	10,564	9,964	-600	-5.7%
51.9%	10,486	9,929	-557	-5.3%
53.1%	10,436	9,919	-517	-5.0%
54.3%	10,368	9,898	-470	-4.5%
55.6%	10,314	9,866	-448	-4.3%
56.8%	10,291	9,788	-503	-4.9%
58.0%	10,263	9,750	-512	-5.0%
59.3%	10,150	9,716	-434	-4.3%
60.5%	9,986	9,694	-292	-2.9%
61.7%	9,915	9,684	-231	-2.3%
63.0%	9,883	9,600	-283	-2.9%
64.2%	9,844	9,600	-244	-2.5%
65.4%	9,796	9,600	-196	-2.0%
66.7%	9,785	9,600	-185	-1.9%
67.9%	9,750	9,600	-150	-1.5%
69.1%	9,602	9,600	-2	0.0%
70.4%	9,536	9,600	64	0.7%
71.6%	9,525	9,600	75	0.8%
72.8%	9,521	9,600	79	0.8%
74.1%	9,478	9,600	122	1.3%
75.3%	9,464	9,600	136	1.4%
76.5%	9,316	9,600	284	3.1%
77.8%	9,295	9,600	305	3.3%
79.0%	9,217	9,600	383	4.2%
80.2%	9,159	9,600	441	4.8%
81.5%	9,158	9,584	426	4.7%
82.7%	9,039	9,456	417	4.6%
84.0%	9,001	9,325	324	3.6%
85.2%				

Table SW-11-5a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period¹												
No Action Alternative	7,118	8,602	11,470	15,095	17,894	14,536	10,653	9,910	11,791	13,426	10,713	8,486
Alternative B	7,162	8,825	12,217	15,452	18,495	14,285	10,124	9,504	11,351	13,332	10,554	8,409
Difference	44	224	746	357	602	-251	-529	-406	-440	-94	-159	-76
Percent Difference ³	0.6%	2.6%	6.5%	2.4%	3.4%	-1.7%	-5.0%	-4.1%	-3.7%	-0.7%	-1.5%	-0.9%
Water Year Types²												
Wet (32%)												
No Action Alternative	8,256	11,140	12,019	27,425	30,056	25,065	15,273	12,518	12,054	13,435	11,265	12,845
Alternative B	8,483	11,034	12,879	27,844	30,639	24,893	15,058	12,517	12,180	13,378	11,080	12,459
Difference	227	-106	860	419	583	-172	-215	-1	126	-57	-186	-386
Percent Difference	2.7%	-0.9%	7.2%	1.5%	1.9%	-0.7%	-1.4%	0.0%	1.0%	-0.4%	-1.6%	-3.0%
Above Normal (15%)												
No Action Alternative	7,002	10,572	11,766	16,070	23,265	15,927	10,423	10,017	12,192	14,362	10,831	8,621
Alternative B	7,198	10,843	12,874	15,688	23,865	15,610	10,205	10,029	11,603	14,366	10,475	8,092
Difference	196	271	1,108	-382	600	-317	-218	12	-589	4	-356	-528
Percent Difference	2.8%	2.6%	9.4%	-2.4%	2.6%	-2.0%	-2.1%	0.1%	-4.8%	0.0%	-3.3%	-6.1%
Below Normal (17%)												
No Action Alternative	6,428	7,368	12,988	9,215	11,748	8,915	8,496	8,585	11,479	13,067	10,265	5,750
Alternative B	6,901	7,946	13,885	9,599	12,462	8,495	8,075	7,931	10,694	12,987	9,957	5,947
Difference	473	577	897	383	715	-421	-421	-654	-785	-80	-308	198
Percent Difference	7.4%	7.8%	6.9%	4.2%	6.1%	-4.7%	-5.0%	-7.6%	-6.8%	-0.6%	-3.0%	3.4%
Dry (22%)												
No Action Alternative	6,758	6,697	12,690	7,044	9,056	8,397	7,832	8,572	11,827	13,515	10,819	6,094
Alternative B	6,161	7,235	13,380	7,809	9,796	8,059	6,898	7,852	10,872	13,549	10,555	6,094
Difference	-597	537	690	765	740	-338	-934	-720	-955	34	-264	0
Percent Difference	-8.8%	8.0%	5.4%	10.9%	8.2%	-4.0%	-11.9%	-8.4%	-8.1%	0.3%	-2.4%	0.0%
Critical (15%)												
No Action Alternative	6,116	5,428	6,386	6,341	6,596	6,098	7,619	7,708	11,131	12,756	9,762	5,685
Alternative B	6,070	5,435	6,434	6,659	6,902	6,070	6,579	6,767	10,789	12,274	10,188	6,298
Difference	-46	8	47	318	305	-27	-1,040	-941	-341	-482	426	613
Percent Difference	-0.8%	0.1%	0.7%	5.0%	4.6%	-0.4%	-13.7%	-12.2%	-3.1%	-3.8%	4.4%	10.8%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

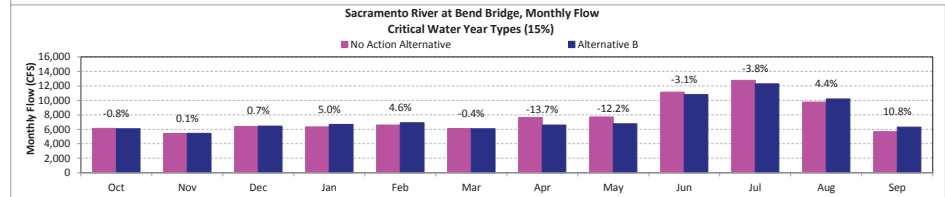
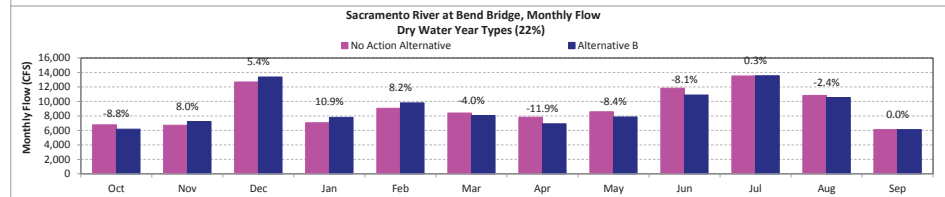
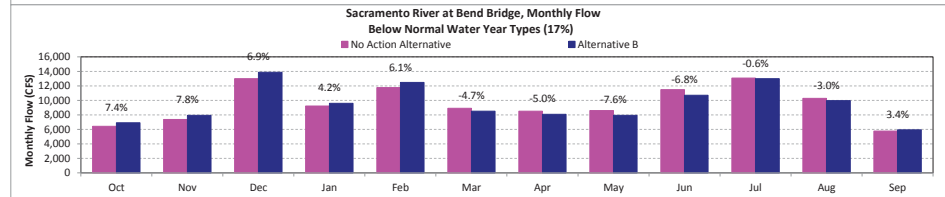
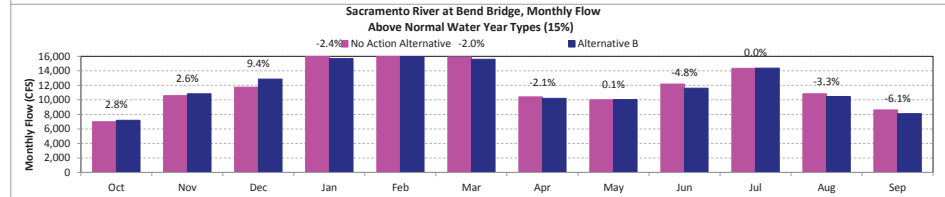
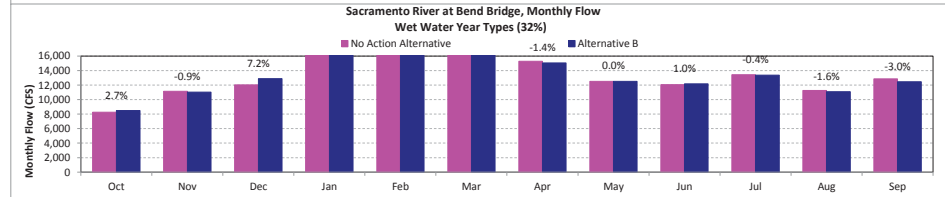
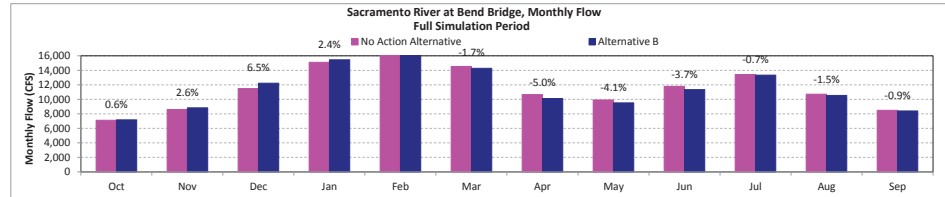


Figure SW-11-5b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

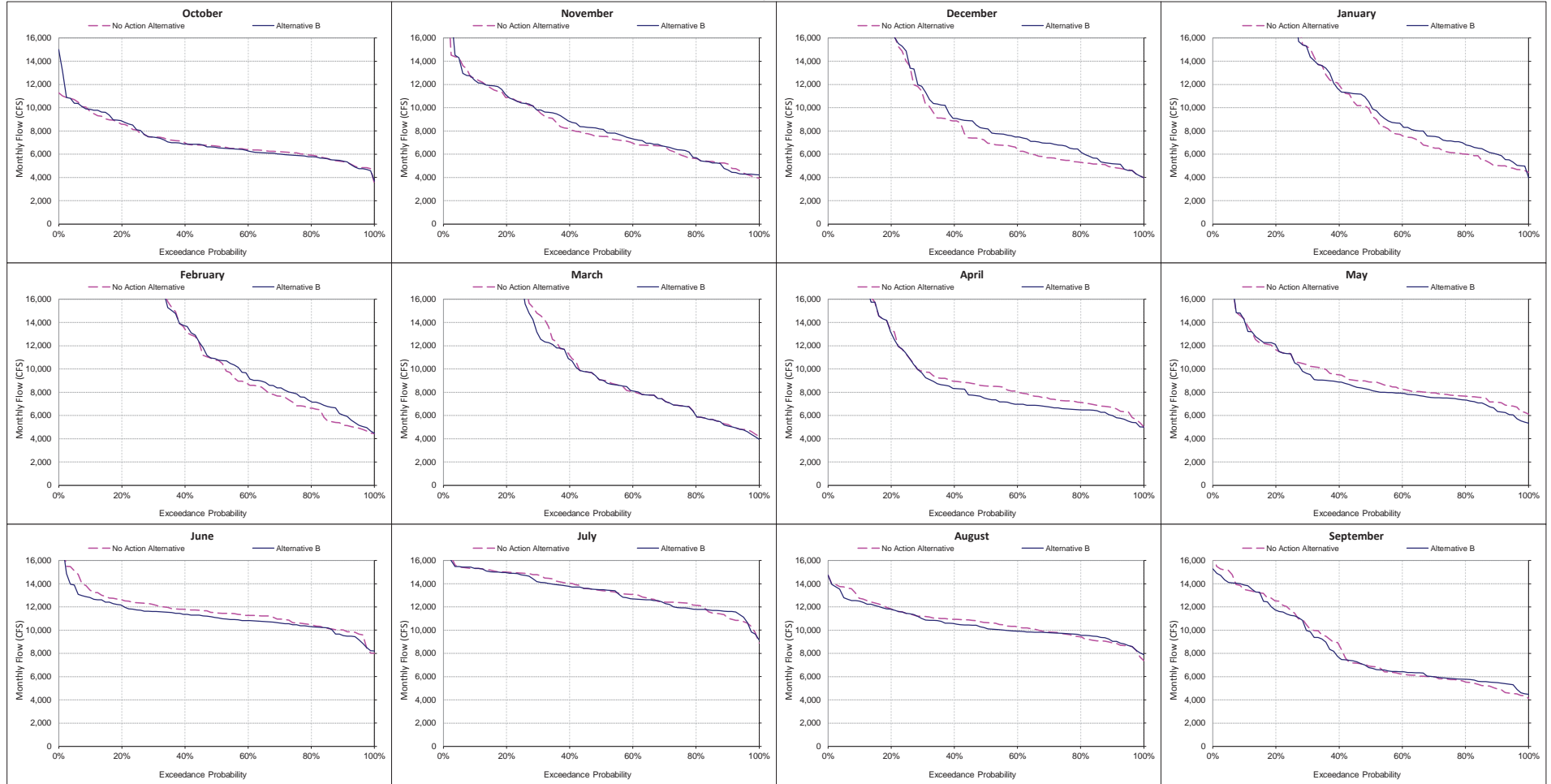


Table SW-11-5b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	15,004	3,726	33.0%
1.2%	10,886	13,120	2,234	20.5%
2.5%	10,886	10,870	-16	-0.1%
3.7%	10,809	10,809	0	0.0%
4.9%	10,697	10,382	-315	-2.9%
6.2%	10,470	10,366	-104	-1.0%
7.4%	10,086	10,086	0	0.1%
8.6%	10,046	9,906	-141	-1.4%
9.9%	9,702	9,869	168	1.7%
11.1%	9,490	9,795	304	3.2%
12.3%	9,320	9,782	462	5.0%
13.6%	9,276	9,639	362	3.9%
14.8%	9,047	9,604	558	6.2%
16.0%	8,947	9,357	410	4.6%
17.3%	8,943	8,949	6	0.1%
18.5%	8,799	8,941	142	1.6%
19.8%	8,607	8,900	293	3.4%
21.0%	8,555	8,736	182	2.1%
22.2%	8,390	8,596	206	2.5%
23.5%	8,131	8,521	390	4.8%
24.7%	8,081	8,107	25	0.3%
25.9%	7,773	8,040	267	3.4%
27.2%	7,713	7,676	-37	-0.5%
28.4%	7,498	7,496	-3	0.0%
29.6%	7,492	7,480	-12	-0.2%
30.9%	7,473	7,436	-37	-0.5%
32.1%	7,450	7,361	-89	-1.3%
33.3%	7,395	7,242	-153	-2.1%
34.6%	7,244	7,057	-187	-2.6%
35.8%	7,219	7,002	-217	-3.0%
37.0%	7,177	6,996	-181	-2.5%
38.3%	7,147	6,966	-180	-2.5%
39.5%	7,066	6,879	-188	-2.7%
40.7%	6,852	6,876	23	0.3%
42.0%	6,822	6,868	46	0.7%
43.2%	6,805	6,867	62	0.9%
44.4%	6,792	6,861	69	1.0%
45.7%	6,780	6,788	8	0.1%
46.9%	6,757	6,635	-121	-1.8%
48.1%	6,753	6,631	-122	-1.8%
49.4%	6,719	6,615	-104	-1.5%
50.6%	6,681	6,536	-145	-2.2%
51.9%	6,634	6,533	-101	-1.5%
53.1%	6,591	6,493	-98	-1.5%
54.3%	6,495	6,478	-17	-0.3%
55.6%	6,493	6,462	-31	-0.5%
56.8%	6,498	6,430	-65	-1.0%
58.0%	6,475	6,410	-65	-1.0%
59.3%	6,415	6,352	-62	-1.0%
60.5%	6,397	6,258	-140	-2.2%
61.7%	6,364	6,173	-191	-3.0%
63.0%	6,357	6,169	-188	-3.0%
64.2%	6,334	6,131	-204	-3.2%
65.4%	6,301	6,113	-187	-3.0%
66.7%	6,251	6,108	-143	-2.3%
67.9%	6,243	6,093	-150	-2.4%
69.1%	6,226	6,042	-184	-3.0%
70.4%	6,210	6,005	-205	-3.3%
71.6%	6,196	5,971	-224	-3.6%
72.8%	6,162	5,945	-217	-3.5%
74.1%	6,115	5,920	-194	-3.2%
75.3%	6,113	5,899	-214	-3.5%
76.5%	6,032	5,874	-158	-2.6%
77.8%	6,017	5,851	-165	-2.7%
79.0%	5,939	5,788	-151	-2.5%
80.2%	5,920	5,781	-139	-2.4%
81.5%	5,845	5,756	-89	-1.5%
82.7%	5,792	5,669	-122	-2.1%
84.0%	5,696	5,646	-50	-0.9%
85.2%	5,619	5,597	-22	-0.4%
86.4%	5,481	5,507	26	0.5%
87.7%	5,443	5,492	49	0.9%
88.9%	5,399	5,471	72	1.3%
90.1%	5,369	5,415	46	0.9%
91.4%	5,261	5,329	68	1.3%
92.6%	5,144	5,084	-60	-1.2%
93.8%	4,950	4,890	-60	-1.4%
95.1%	4,854	4,769	-85	-1.8%
96.3%	4,850	4,756	-94	-1.9%
97.5%	4,838	4,702	-137	-2.8%
98.8%	4,746	4,584	-162	-3.4%
100.0%	3,451	3,683	232	6.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	35,328	-992	-2.7%
1.2%	20,310	20,310	0	0.0%
2.5%	14,530	18,203	3,674	25.3%
3.7%	14,384	14,530	146	1.0%
4.9%	14,311	14,291	-20	-0.1%
6.2%	13,627	12,966	-660	-4.8%
7.4%	12,906	12,730	-176	-1.4%
8.6%	12,640	12,741	100	0.8%
9.9%	12,564	12,382	-183	-1.5%
11.1%	12,357	12,135	-222	-1.8%
12.3%	12,201	12,112	-89	-0.7%
13.6%	11,943	11,946	3	0.0%
14.8%	11,732	11,907	175	1.5%
16.0%	11,535	11,889	354	3.1%
17.3%	11,403	11,817	414	3.6%
18.5%	11,371	11,562	191	1.7%
19.8%	10,855	11,124	239	2.2%
21.0%	10,681	10,827	-54	-0.5%
22.2%	10,734	10,695	-39	-0.4%
23.5%	10,536	10,533	-3	0.0%
24.7%	10,508	10,413	-95	-0.9%
25.9%	10,040	10,442	402	4.0%
27.2%	10,198	10,319	120	1.2%
28.4%	10,154	10,145	-9	-0.1%
29.6%	9,847	9,811	-36	-0.4%
30.9%	9,511	9,799	288	3.0%
32.1%	9,261	9,226	-347	-3.7%
33.3%	9,225	9,615	489	5.4%
34.6%	9,085	9,568	483	5.3%
35.8%	8,732	9,477	745	8.5%
37.0%	8,365	9,325	960	11.5%
38.3%	8,275	9,091	817	9.9%
39.5%	8,066	8,863	797	9.9%
40.7%	8,058	8,741	684	8.5%
42.0%	7,979	8,674	696	8.7%
43.2%	7,920	8,362	462	5.8%
44.4%	7,798	8,566	768	9.9%
45.7%	7,766	8,304	539	6.9%
46.9%	7,692	8,291	599	7.8%
48.1%	7,557	8,267	710	9.4%
49.4%	7,552	8,186	634	8.4%
50.6%	7,531	8,124	592	7.9%
51.9%	7,531	7,848	317	4.2%
53.1%	7,323	7,823	500	6.8%
54.3%	7,258	7,814	556	7.7%
55.6%	7,221	7,698	477	6.6%
56.8%	7,166	7,599	433	6.0%
58.0%	7,119	7,455	336	4.7%
59.3%	7,037	7,369	333	4.7%
60.5%	6,869	7,292	423	6.2%
61.7%	6,795	7,217	422	6.2%
63.0%	6,786	7,167	381	5.6%
64.2%	6,771	6,945	173	2.6%
65.4%	6,760	6,938	178	2.6%
66.7%	6,737	6,866	129	1.9%
67.9%	6,732	6,847	115	1.7%
69.1%	6,732	6,717	-15	-0.2%
70.4%	6,580	6,660	80	1.2%
71.6%	6,343	6,595	252	4.0%
72.8%	6,225	6,470	245	3.9%
74.1%	6,082	6,398	316	5.2%
75.3%	5,913	6,370	457	7.7%
76.5%	5,806	6,323	517	8.9%
77.8%	5,668	6,191	523	9.2%
79.0%	5,548	6,152	604	10.9%
80.2%	5,538	5,662	124	2.2%
81.5%	5,449	5,427	-22	-0.4%
82.7%	5,429	5,387	-43	-0.8%
84.0%	5,387	5,355	-32	-0.6%
85.2%	5,379	5,258	-121	-2.2%
86.4%	5,280	5,251	-29	-0.5%
87.7%	5,259	5,203	-56	-1.1%
88.9%	5,253	4,777	-477	-9.1%
90.1%	5,153	4,638	-515	-10.0%
91.4%	4,790	4,439	-351	-7.3%
92.6%	4,748	4,425	-323	-6.8%
93.8%	4,579	4,321	-258	-5.6%
95.1%	4,376	4,291	-86	-2.0%
96.3%	4,239	4,286	47	1.1%
97.5%	4,128	4,279	152	3.7%
98.8%	4,029	4,255	226	5.6%
100.0%	3,936	4,230	294	7.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,822	0	0.0%
1.2%	41,269	41,269	-1,558	-3.8%
2.5%	34,922	34,901	-21	-0.1%
3.7%	34,074	33,705	-369	-1.1%
4.9%	33,410	32,194	-1,216	-3.6%
6.2%	31,136	30,377	-759	-2.4%
7.4%	29,912	29,917	4	0.0%
8.6%	34,319	29,130	-5,189	-15.1%
9.9%	25,091	27,765	2,674	10.7%
11.1%	23,809	24,997	1,187	5.0%
12.3%	22,287	23,816	1,529	6.9%
13.6%	21,560	23,243	1,684	7.8%
14.8%	21,351	23,093	1,742	8.2%
16.0%	20,125	21,346	1,221	6.1%
17.3%	18,729	20,975	2,247	12.0%
18.5%	18,189	20,272	2,083	11.5%
19.8%	17,210	20,179	2,970	17.3%
21.0%	16,249	16,058	-191	-1.2%
22.2%	15,283	15,515	232	1.5%
23.5%	14,883	15,284	401	2.7%
24.7%	14,038	14,883	845	6.0%
25.9%	13,574	13,404	-170	-1.3%
27.2%	11,964	13,341	1,377	11.5%
28.4%	11,837	11,962	126	1.1%
29.6%	11,462	11,830	368	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.7%
33.3%	9,607	10,366	759	7.9%
34.6%	9,114	10,324	1,210	13.3%
35.8%	9,104	10,241	1,138	12.5%
37.0%	9,074	10,203	1,130	12.4%
38.3%	8,927	9,509	581	6.5%
39.5%	8,872	9,082	210	2.4%
40.7%	8,860	9,068	208	2.3%
42.0%	8,688	8,988	300	3.5%
43.2%	7,771	8,909	1,137	14.6%
44.4%	7,415	8,868	1,453	19.6%
45.7%	7,384	8,866	1,482	20.1%
46.9%	7,383	8,508	1,124	15.2%
48.1%	7,342	8,281	939	12.8%
49.4%	7,231	8,226	995	13.8%
50.6%	7,185	8,180	995	13.9%
51.9%	6,923	7,829	906	13.1%
53.1%	6,810	7,767	957	14.1%
54.3%	6,783	7,762	979	14.4%
55.6%	6,775	7,737	962	14.2%
56.8%	6,771	7,650	880	13.0%
58.0%	6,681	7,587	906	13.6%
59.3%	6,603	7,486	882	13.4%
60.5%	6,255	7,479	1,224	19.6%
61.7%	6,243	7,386	1,143	18.3%
63.0%	6,143	7,329	1,186	19.3%
64.2%	6,094	7,104	1,110	18.5%
65.4%	5,954	7,099	1,145	19.2%
66.7%	5,831	7,060	1,230	21.1%
67.9%	5,815	6,963	1,148	19.7%
69.1%	5,705	6,951	1,246	21.8%
70.4%	5,690	6,937	1,247	21.9%
71.6%	5,676	6,867	1,190	21.0%
72.8%	5,570	6,801	1,231	22.1%
74.1%	5,524	6,778	1,254	22.7%
75.3%	5,475	6,700	1,225	22.4%
76.5%	5,461	6,528	1,066	19.5%
77.8%	5,365	6,463	1,097	20.4%
79.0%	5,347	6,450	1,103	20.6%
80.2%	5,293	6,153	860	16.3%
81.5%	5,235	5,956	722	13.8%
82.7%	5,883	5,837	-46	-0.8%
84.0%	5,163	5,683	520	10.1%
85.2%	5,153	5,662	509	9.9%
86.4%	5,126	5,345	219	4.3%
87.7%	5,121			

Table SW-11-5b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)		
0.0%	73,741	73,741	0	0.0%
0.2%	67,865	67,865	4,876	7.2%
2.5%	62,796	65,197	2,401	3.8%
3.7%	55,334	55,332	-3	0.0%
4.9%	48,194	49,745	1,550	3.2%
6.2%	47,418	49,587	2,169	4.6%
7.4%	45,743	47,085	1,342	2.9%
8.6%	43,850	43,902	52	0.1%
9.9%	43,343	43,345	3	0.0%
11.1%	42,098	42,447	350	0.8%
12.3%	39,597	41,892	2,296	5.8%
13.6%	39,566	39,600	34	0.1%
14.8%	37,756	37,773	17	0.0%
16.0%	32,915	32,915	-1	0.0%
17.3%	32,825	32,825	0	0.0%
18.5%	30,984	30,985	1	0.0%
19.8%	29,868	29,872	4	0.0%
21.0%	27,913	27,913	0	0.0%
22.2%	27,169	27,174	5	0.0%
23.5%	24,392	24,695	303	1.2%
24.7%	24,232	24,493	261	1.1%
25.9%	23,284	23,628	343	1.5%
27.2%	20,793	23,280	2,487	12.0%
28.4%	20,711	21,548	837	4.0%
29.6%	19,550	20,804	1,254	6.4%
30.9%	17,705	17,589	-116	-0.7%
32.1%	17,582	17,528	-54	-0.3%
33.3%	16,589	16,575	-14	-0.1%
34.6%	15,790	15,290	-500	-3.2%
35.8%	15,288	15,042	-247	-1.6%
37.0%	14,927	14,763	-165	-1.1%
38.3%	13,915	13,822	-93	-0.7%
39.5%	13,642	13,754	113	0.8%
40.7%	13,102	13,641	539	4.1%
42.0%	12,925	13,110	185	1.4%
43.2%	12,797	12,918	121	0.9%
44.4%	12,302	12,304	2	0.0%
45.7%	11,183	11,832	649	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,952	-1	0.0%
49.4%	10,770	10,903	133	1.2%
50.6%	10,733	10,766	33	0.3%
51.9%	10,471	10,719	249	2.4%
53.1%	9,836	10,701	865	8.8%
54.3%	9,691	10,471	780	8.0%
55.6%	9,214	10,336	1,122	12.2%
56.8%	8,953	10,133	1,181	13.2%
58.0%	8,944	9,714	770	8.6%
59.3%	8,826	9,682	855	9.7%
60.5%	8,597	9,138	541	6.3%
61.7%	8,587	9,027	441	5.1%
63.0%	8,528	9,019	491	5.8%
64.2%	8,450	8,951	500	5.9%
65.4%	8,182	8,838	657	8.0%
66.7%	7,885	8,600	714	9.1%
67.9%	7,822	8,585	763	9.8%
69.1%	7,680	8,385	706	9.2%
70.4%	7,649	8,380	731	9.6%
71.6%	7,575	8,180	605	8.0%
72.8%	7,354	8,026	672	9.1%
74.1%	7,145	7,961	817	11.4%
75.3%	6,833	7,857	1,024	15.0%
76.5%	6,828	7,587	760	11.1%
77.8%	6,797	7,576	779	11.5%
79.0%	6,633	7,324	691	10.4%
80.2%	6,630	7,146	517	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,045	552	8.5%
84.0%	5,844	6,873	1,029	17.6%
85.2%	5,509	6,774	1,265	23.0%
86.4%	5,471	6,695	1,224	22.4%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,160	783	14.6%
90.1%	5,165	6,022	857	16.6%
91.4%	5,143	5,916	773	15.0%
92.6%	5,056	5,615	559	11.1%
93.9%	4,970	5,376	406	8.2%
95.1%	4,910	5,160	251	5.1%
96.3%	4,794	5,058	265	5.5%
97.5%	4,666	4,970	304	6.5%
98.8%	4,495	4,671	176	3.9%
100.0%	4,441	4,460	19	0.4%

Percent Exceedance Probability	March		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)		
0.0%	69,281	69,282	2	0.0%
0.2%	68,130	68,133	3	0.0%
2.5%	53,612	53,620	8	0.0%
3.7%	50,175	48,170	-2,005	-4.0%
4.9%	46,777	46,777	0	0.0%
6.2%	39,468	36,089	-3,380	-8.6%
7.4%	33,134	33,114	-24	-0.1%
8.6%	31,967	31,949	-18	-0.1%
9.9%	29,384	29,386	3	0.0%
11.1%	26,760	26,762	2	0.0%
12.3%	25,167	25,168	2	0.0%
13.6%	23,866	24,660	795	3.2%
14.8%	21,386	21,388	3	0.0%
16.0%	20,528	20,533	5	0.0%
17.3%	19,947	19,930	-17	-0.1%
18.5%	19,929	19,135	-795	-4.0%
19.8%	19,871	19,977	106	0.5%
21.0%	18,743	18,874	131	0.7%
22.2%	18,532	18,534	2	0.0%
23.5%	18,238	17,897	-340	-1.9%
24.7%	17,674	17,676	2	0.0%
25.9%	17,354	15,568	-1,786	-10.3%
27.2%	15,647	14,804	-843	-5.4%
28.4%	15,302	14,259	-1,043	-6.8%
29.6%	14,801	13,182	-1,619	-10.9%
30.9%	14,581	12,559	-2,022	-13.9%
32.1%	14,258	12,539	-1,719	-12.1%
33.3%	13,653	12,254	-1,399	-10.2%
34.6%	12,557	12,113	-444	-3.5%
35.8%	12,342	11,820	-522	-4.2%
37.0%	11,751	11,793	41	0.4%
38.3%	11,699	11,692	-7	-0.1%
39.5%	11,358	10,891	-467	-4.1%
40.7%	10,908	10,668	-240	-2.2%
42.0%	10,645	10,139	-506	-4.8%
43.2%	9,968	9,865	-103	-1.0%
44.4%	9,798	9,704	-94	-1.0%
45.7%	9,735	9,729	-6	-0.1%
46.9%	9,700	9,693	-7	-0.1%
48.1%	9,419	9,416	-3	0.0%
49.4%	9,087	9,062	-25	-0.3%
50.6%	8,933	9,027	95	1.1%
51.9%	8,592	8,778	186	2.2%
53.1%	8,776	8,698	-78	-0.9%
54.3%	8,697	8,650	-47	-0.5%
55.6%	8,605	8,606	1	0.0%
56.8%	8,491	8,536	45	0.5%
58.0%	8,153	8,495	342	4.2%
59.3%	8,092	8,161	69	0.9%
60.5%	8,017	8,097	80	1.0%
61.7%	7,902	8,013	111	1.4%
63.0%	7,809	7,804	-5	-0.1%
64.2%	7,765	7,766	1	0.0%
65.4%	7,764	7,761	-3	0.0%
66.7%	7,759	7,755	-4	-0.1%
67.9%	7,467	7,466	-1	0.0%
69.1%	7,448	7,442	-6	-0.1%
70.4%	7,189	7,189	0	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,892	-8	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,838	6	0.1%
76.5%	6,801	6,798	-3	0.0%
77.8%	6,755	6,751	-4	-0.1%
79.0%	6,399	6,396	-3	0.0%
80.2%	5,876	5,869	-7	-0.1%
81.5%	5,946	5,947	1	0.0%
82.7%	5,793	5,793	0	0.0%
84.0%	5,674	5,674	0	0.0%
85.2%	5,665	5,654	-11	-0.2%
86.4%	5,531	5,532	1	0.0%
87.7%	5,468	5,468	0	0.0%
88.9%	5,283	5,173	-111	-2.1%
90.1%	5,214	5,083	-132	-2.5%
91.4%	5,038	5,029	-9	-0.2%
92.6%	4,930	4,932	2	0.0%
93.9%	4,813	4,823	10	0.2%
95.1%	4,805	4,758	-47	-1.0%
96.3%	4,767	4,604	-163	-3.4%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,188	-200	-4.6%
100.0%	4,197	3,964	-233	-5.5%

Percent Exceedance Probability	April		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)		
0.0%	41,231	41,237	5	0.0%
0.2%	33,731	33,732	2	0.0%
2.5%	24,731	24,732	1	0.0%
3.7%	23,667	23,665	-3	0.0%
4.9%	22,398	22,412	14	0.1%
6.2%	22,070	22,063	-7	0.0%
7.4%	17,934	17,934	0	0.0%
8.6%	17,612	17,615	4	0.0%
9.9%	17,573	17,573	0	0.0%
11.1%	16,912	16,913	1	0.0%
12.3%	16,879	16,886	7	0.0%
13.6%	16,204	15,744	-460	-2.8%
14.8%	15,744	15,740	-4	0.0%
16.0%	14,572	14,574	2	0.0%
17.3%	14,317	14,319	2	0.0%
18.5%	14,172	14,178	6	0.0%
19.8%	13,397	13,196	-201	-1.5%
21.0%	13,196	12,504	-692	-5.2%
22.2%	11,941	11,943	2	0.0%
23.5%	11,702	11,708	6	0.1%
24.7%	11,304	11,305	1	0.0%
25.9%	10,873	10,874	2	0.0%
27.2%	10,482	10,342	-140	-1.3%
28.4%	9,935	9,976	41	0.4%
29.6%	9,824	9,665	-159	-1.6%
30.9%	9,743	9,254	-489	-5.0%
32.1%	9,704	9,084	-619	-6.4%
33.3%	9,425	8,926	-499	-5.3%
34.6%	9,256	8,742	-514	-5.5%
35.8%	9,204	8,652	-552	-6.0%
37.0%	9,191	8,602	-589	-6.4%
38.3%	9,091	8,529	-562	-6.2%
39.5%	8,944	8,330	-614	-6.9%
40.7%	8,926	8,316	-610	-6.8%
42.0%	8,890	8,278	-612	-6.9%
43.2%	8,836	8,264	-572	-6.5%
44.4%	8,818	8,267	-551	-6.3%
45.7%	8,759	8,146	-613	-7.0%
46.9%	8,719	8,146	-573	-6.6%
48.1%	8,604	8,063	-541	-6.3%
49.4%	8,552	7,514	-1,038	-12.1%
50.6%	8,533	7,406	-1,127	-13.2%
51.9%	8,509	7,353	-1,157	-13.6%
53.1%	8,502	7,340	-1,162	-13.7%
54.3%	8,479	7,174	-1,305	-15.4%
55.6%	8,440	7,162	-1,278	-15.1%
56.8%	8,195	7,141	-1,054	-12.9%
58.0%	8,110	7,039	-1,071	-13.2%
59.3%	8,105	6,973	-1,132	-14.0%
60.5%	7,964	6,969	-994	-12.5%
61.7%	7,912	6,964	-948	-12.0%
63.0%	7,866	6,890	-976	-12.4%
64.2%	7,734	6,879	-855	-11.0%
65.4%	7,657	6,877	-780	-10.2%
66.7%	7,630	6,859	-771	-10.1%
67.9%	7,556	6,811	-745	-9.9%
69.1%	7,550	6,789	-762	-10.4%
70.4%	7,418	6,719	-699	-9.4%
71.6%	7,381	6,664	-717	-9.7%
72.8%	7,305	6,661	-644	-8.8%
74.1%	7,286	6,583	-703	-9.6%
75.3%	7,256	6,568	-688	-9.5%
76.5%	7,254	6,542	-712	-9.8%
77.8%	7,228	6,521	-707	-9.8%
79.0%	7,147	6,493	-654	-9.1%
80.2%	7,122	6,487	-636	-8.9%
81.5%	7,050	6,476	-574	-8.1%
82.7%	7,016	6,473	-543	-7.7%
84.0%	6,940	6,456	-484	-7.0%
85.2%	6,872	6,419	-453	-6.6%
86.4%	6,806	6,288	-518	-7.6%
87.7%	6,783	6,28		

Table SW-11-5b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	June			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,043	25,044	1	0.0%
1.2%	17,369	17,369	0	0.0%
2.5%	15,488	14,880	-608	-3.9%
3.7%	15,474	13,953	-1,520	-9.8%
4.9%	15,121	13,897	-1,224	-8.1%
6.2%	14,805	13,084	-1,721	-11.6%
7.4%	14,967	12,969	-1,998	-13.4%
8.6%	13,840	12,880	-960	-6.9%
9.9%	13,454	12,818	-636	-4.7%
11.1%	13,235	12,655	-581	-4.4%
12.3%	13,234	12,623	-611	-4.6%
13.6%	13,019	12,618	-400	-3.1%
14.8%	12,908	12,411	-497	-3.9%
16.0%	12,759	12,407	-352	-2.8%
17.3%	12,745	12,282	-463	-3.6%
18.5%	12,674	12,214	-460	-3.6%
19.8%	12,625	12,176	-449	-3.6%
21.0%	12,521	11,960	-561	-4.5%
22.2%	12,493	11,826	-667	-5.3%
23.5%	12,391	11,810	-581	-4.7%
24.7%	12,359	11,733	-625	-5.1%
25.9%	12,351	11,717	-635	-5.1%
27.2%	12,323	11,624	-699	-5.7%
28.4%	12,305	11,621	-684	-5.6%
29.6%	12,235	11,609	-626	-5.1%
30.9%	12,135	11,605	-530	-4.4%
32.1%	12,031	11,579	-453	-3.8%
33.3%	12,014	11,556	-458	-3.8%
34.6%	11,959	11,540	-419	-3.5%
35.8%	11,839	11,522	-317	-2.7%
37.0%	11,817	11,460	-357	-3.0%
38.3%	11,808	11,453	-355	-3.0%
39.5%	11,803	11,360	-444	-3.8%
40.7%	11,756	11,354	-402	-3.4%
42.0%	11,745	11,299	-446	-3.8%
43.2%	11,735	11,297	-438	-3.7%
44.4%	11,711	11,295	-417	-3.6%
45.7%	11,672	11,223	-450	-3.9%
46.9%	11,668	11,209	-460	-3.9%
48.1%	11,546	11,169	-377	-3.3%
49.4%	11,509	11,097	-412	-3.6%
50.6%	11,473	11,048	-426	-3.7%
51.9%	11,451	11,081	-370	-3.2%
53.1%	11,448	10,951	-496	-4.3%
54.3%	11,438	10,917	-521	-4.6%
55.6%	11,420	10,915	-505	-4.4%
56.8%	11,354	10,899	-455	-4.0%
58.0%	11,330	10,835	-495	-4.4%
59.3%	11,279	10,829	-449	-4.0%
60.5%	11,266	10,822	-445	-3.9%
61.7%	11,258	10,813	-444	-3.9%
63.0%	11,255	10,795	-460	-4.2%
64.2%	11,228	10,755	-473	-4.2%
65.4%	11,227	10,740	-486	-4.3%
66.7%	11,214	10,713	-500	-4.5%
67.9%	11,200	10,696	-504	-4.5%
69.1%	10,966	10,646	-320	-2.9%
70.4%	10,950	10,594	-356	-3.3%
71.6%	10,921	10,549	-371	-3.4%
72.8%	10,873	10,548	-325	-3.0%
74.1%	10,641	10,474	-167	-1.6%
75.3%	10,609	10,472	-137	-1.3%
76.5%	10,600	10,375	-226	-2.1%
77.8%	10,549	10,371	-179	-1.7%
79.0%	10,507	10,340	-167	-1.6%
80.2%	10,444	10,291	-153	-1.5%
81.5%	10,359	10,267	-92	-0.9%
82.7%	10,334	10,238	-96	-0.9%
84.0%	10,228	10,232	4	0.0%
85.2%	10,155	10,195	39	0.4%
86.4%	10,111	10,070	-41	-0.4%
87.7%	10,048	9,971	-77	-0.8%
88.9%	10,039	9,655	-384	-3.8%
90.1%	10,016	9,525	-491	-4.9%
91.4%	9,858	9,494	-364	-3.7%
92.6%	9,853	9,491	-362	-3.7%
93.8%	9,811	9,440	-371	-3.8%
95.1%	9,657	9,180	-477	-4.9%
96.3%	9,601	8,861	-741	-7.7%
97.5%	8,461	8,494	34	0.4%
98.8%	8,032	8,239	207	2.6%
100.0%	8,015	8,210	195	2.4%

Percent Exceedance Probability	July			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,021	17,021	0	0.0%
1.2%	16,939	16,924	-15	-0.1%
2.5%	16,320	15,980	-340	-2.1%
3.7%	15,597	15,480	-117	-0.7%
4.9%	15,434	15,471	37	0.2%
6.2%	15,395	15,432	37	0.2%
7.4%	15,262	15,430	168	1.1%
8.6%	15,324	15,425	101	0.7%
9.9%	15,321	15,328	7	0.0%
11.1%	15,320	15,326	6	0.0%
12.3%	15,281	15,271	-11	-0.1%
13.6%	15,205	15,087	-118	-0.8%
14.8%	15,171	15,027	-144	-1.0%
16.0%	15,092	15,016	-76	-0.5%
17.3%	15,031	15,009	-22	-0.1%
18.5%	15,018	14,967	-52	-0.3%
19.8%	15,008	14,959	-49	-0.3%
21.0%	14,977	14,904	-73	-0.5%
22.2%	14,960	14,899	-61	-0.4%
23.5%	14,941	14,864	-77	-0.5%
24.7%	14,908	14,750	-158	-1.1%
25.9%	14,899	14,709	-189	-1.3%
27.2%	14,870	14,640	-230	-1.5%
28.4%	14,783	14,427	-356	-2.4%
29.6%	14,772	14,182	-590	-4.0%
30.9%	14,679	14,111	-568	-3.9%
32.1%	14,680	14,081	-599	-4.1%
33.3%	14,460	14,034	-426	-2.9%
34.6%	14,421	13,952	-469	-3.3%
35.8%	14,212	13,908	-304	-2.1%
37.0%	14,145	13,886	-259	-1.8%
38.3%	14,068	13,827	-241	-1.7%
39.5%	14,041	13,807	-233	-1.7%
40.7%	14,027	13,720	-307	-2.2%
42.0%	13,901	13,714	-187	-1.3%
43.2%	13,866	13,711	-154	-1.1%
44.4%	13,591	13,609	19	0.1%
45.7%	13,564	13,592	29	0.2%
46.9%	13,545	13,534	-12	-0.1%
48.1%	13,489	13,508	19	0.1%
49.4%	13,448	13,480	32	0.2%
50.6%	13,397	13,407	10	0.1%
51.9%	13,363	13,439	75	0.6%
53.1%	13,315	13,420	105	0.8%
54.3%	13,291	13,406	115	0.9%
55.6%	13,175	13,086	-88	-0.7%
56.8%	13,125	12,835	-291	-2.2%
58.0%	13,104	12,795	-308	-2.4%
59.3%	13,079	12,713	-366	-2.8%
60.5%	13,071	12,676	-395	-3.0%
61.7%	13,009	12,664	-345	-2.7%
63.0%	12,853	12,632	-221	-1.7%
64.2%	12,790	12,619	-171	-1.3%
65.4%	12,710	12,612	-98	-0.8%
66.7%	12,657	12,552	-105	-0.8%
67.9%	12,487	12,546	59	0.5%
69.1%	12,464	12,430	-34	-0.3%
70.4%	12,406	12,272	-133	-1.1%
71.6%	12,405	12,221	-184	-1.5%
72.8%	12,403	12,002	-401	-3.2%
74.1%	12,386	11,942	-444	-3.6%
75.3%	12,360	11,921	-439	-3.6%
76.5%	12,336	11,912	-423	-3.4%
77.8%	12,320	11,866	-454	-3.7%
79.0%	12,155	11,808	-346	-2.8%
80.2%	12,130	11,797	-332	-2.7%
81.5%	12,099	11,790	-310	-2.6%
82.7%	11,898	11,782	-116	-1.0%
84.0%	11,579	11,734	156	1.3%
85.2%	11,472	11,702	231	2.0%
86.4%	11,450	11,700	250	2.2%
87.7%	11,409	11,677	268	2.3%
88.9%	11,334	11,626	292	2.6%
90.1%	11,024	11,616	592	5.4%
91.4%	10,935	11,612	677	6.2%
92.6%	10,851	11,557	706	6.5%
93.8%	10,844	11,544	699	6.4%
95.1%	10,743	11,108	366	3.4%
96.3%	10,604	10,650	46	0.4%
97.5%	10,317	9,841	-476	-4.6%
98.8%	9,776	9,657	-120	-1.2%
100.0%	8,995	9,153	158	1.8%

Percent Exceedance Probability	August			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,735	14,736	1	0.0%
1.2%	13,942	13,937	-5	-0.0%
2.5%	13,322	13,728	406	3.0%
3.7%	13,739	13,532	-207	-1.5%
4.9%	13,725	12,802	-922	-6.7%
6.2%	13,606	12,649	-958	-7.0%
7.4%	13,569	12,558	-1,011	-7.5%
8.6%	13,206	12,537	-669	-5.0%
9.9%	12,741	12,498	-242	-1.9%
11.1%	12,673	12,397	-276	-2.2%
12.3%	12,537	12,245	-293	-2.3%
13.6%	12,438	12,227	-211	-1.7%
14.8%	12,340	12,126	-214	-1.7%
16.0%	12,252	12,042	-210	-1.7%
17.3%	12,151	11,926	-226	-1.9%
18.5%	11,955	11,826	-129	-1.1%
19.8%	11,841	11,810	-31	-0.3%
21.0%	11,691	11,716	24	0.2%
22.2%	11,601	11,611	10	0.1%
23.5%	11,588	11,554	-34	-0.3%
24.7%	11,443	11,441	-2	0.0%
25.9%	11,418	11,418	0	0.0%
27.2%	11,301	11,346	45	0.4%
28.4%	11,208	11,190	-17	-0.2%
29.6%	11,206	11,001	-206	-1.8%
30.9%	11,183	10,878	-306	-2.7%
32.1%	11,132	10,855	-277	-2.5%
33.3%	11,053	10,846	-208	-1.9%
34.6%	11,048	10,816	-232	-2.1%
35.8%	10,995	10,755	-240	-2.2%
37.0%	10,989	10,602	-388	-3.5%
38.3%	10,959	10,597	-362	-3.3%
39.5%	10,930	10,589	-341	-3.1%
40.7%	10,930	10,508	-422	-3.9%
42.0%	10,914	10,471	-443	-4.1%
43.2%	10,898	10,449	-448	-4.1%
44.4%	10,885	10,437	-447	-4.1%
45.7%	10,852	10,433	-418	-3.9%
46.9%	10,811	10,431	-380	-3.5%
48.1%	10,736	10,299	-438	-4.1%
49.4%	10,674	10,214	-460	-4.3%
50.6%	10,649	10,130	-520	-4.9%
51.9%	10,630	10,089	-540	-5.1%
53.1%	10,593	10,070	-523	-4.9%
54.3%	10,492	10,046	-446	-4.3%
55.6%	10,462	10,007	-455	-4.3%
56.8%	10,351	9,980	-371	-3.6%
58.0%	10,334	9,928	-407	-3.9%
59.3%	10,334	9,924	-409	-4.0%
60.5%	10,227	9,914	-313	-3.1%
61.7%	10,203	9,897	-306	-3.0%
63.0%	10,198	9,838	-360	-3.5%
64.2%	10,125	9,837	-288	-2.8%
65.4%	10,078	9,816	-263	-2.6%
66.7%	9,991	9,813	-178	-1.8%
67.9%	9,913	9,809	-104	-1.0%
69.1%	9,835	9,797	-38	-0.4%
70.4%	9,835	9,785	-50	-0.5%
71.6%	9,823	9,783	-40	-0.4%
72.8%	9,798	9,724	-74	-0.8%
74.1%	9,707	9,721	15	0.1%
75.3%	9,659	9,705	47	0.5%
76.5%	9,614	9,688	74	0.8%
77.8%	9,469	9,653	184	1.9%
79.0%	9,462	9,648	186	2.0%
80.2%	9,406	9,562	155	1.7%
81.5%	9,203	9,550	347	3.8%
82.7%	9,195	9,526	332	

Table SW-12.5a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	7,009	8,619	11,525	15,263	18,025	14,624	10,566	9,505	11,044	12,615	10,052	8,336
Alternative B	7,056	8,730	11,516	14,248	17,100	12,909	9,589	8,878	10,668	12,664	9,881	8,313
Difference	48	110	-9	-1,015	-925	-1,715	-977	-627	-376	48	-172	-23
Percent Difference ³	0.7%	1.3%	-0.1%	-6.6%	-5.1%	-11.7%	-9.2%	-6.6%	-3.4%	0.4%	-1.7%	-0.3%
Water Year Types²												
Wet (32%)												
No Action Alternative	8,110	11,165	12,073	27,709	30,272	25,221	15,212	11,926	10,975	12,224	10,305	12,617
Alternative B	8,387	10,931	11,959	26,412	29,209	23,564	14,216	11,572	11,187	12,295	10,035	12,361
Difference	277	-234	-115	-1,296	-1,063	-1,657	-996	-354	212	71	-270	-256
Percent Difference	3.4%	-2.1%	-1.0%	-4.7%	-3.5%	-6.6%	-6.5%	-3.0%	1.9%	0.6%	-2.6%	-2.0%
Above Normal (15%)												
No Action Alternative	6,889	10,585	11,813	16,316	23,461	16,046	10,312	9,441	11,141	13,240	9,956	8,419
Alternative B	6,973	10,673	11,842	14,092	21,948	13,614	9,308	8,908	10,593	13,598	9,675	7,940
Difference	84	88	28	-2,224	-1,513	-2,432	-1,004	-533	-548	358	-281	-479
Percent Difference	1.2%	0.8%	0.2%	-13.6%	-6.4%	-15.2%	-9.7%	-5.6%	-4.9%	2.7%	-2.8%	-5.7%
Below Normal (17%)												
No Action Alternative	6,325	7,396	13,046	9,331	11,836	8,942	8,376	8,226	10,834	12,363	9,710	5,646
Alternative B	6,804	7,883	13,338	8,182	11,009	6,828	7,637	7,410	10,066	12,472	9,408	5,846
Difference	479	487	291	-1,149	-826	-2,114	-739	-816	-768	109	-302	200
Percent Difference	7.6%	6.6%	2.2%	-12.3%	-7.0%	-23.6%	-8.8%	-9.9%	-7.1%	0.9%	-3.1%	3.5%
Dry (22%)												
No Action Alternative	6,663	6,712	12,765	7,117	9,125	8,457	7,730	8,323	11,334	13,040	10,432	6,002
Alternative B	6,078	7,137	12,990	6,884	8,438	6,791	6,647	7,584	10,468	13,141	10,161	6,008
Difference	-585	425	226	-233	-686	-1,666	-1,083	-739	-866	101	-271	6
Percent Difference	-8.8%	6.3%	1.8%	-3.3%	-7.5%	-19.7%	-14.0%	-8.9%	-7.6%	0.8%	-2.6%	0.1%
Critical (15%)												
No Action Alternative	6,057	5,427	6,415	6,383	6,625	6,124	7,565	7,586	10,903	12,494	9,431	5,618
Alternative B	6,016	5,394	5,896	6,171	6,113	5,391	6,535	6,664	10,618	12,036	9,884	6,249
Difference	-42	-33	-519	-212	-513	-733	-1,030	-921	-285	-459	453	631
Percent Difference	-0.7%	-0.6%	-8.1%	-3.3%	-7.7%	-12.0%	-13.6%	-12.1%	-2.6%	-3.7%	4.8%	11.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

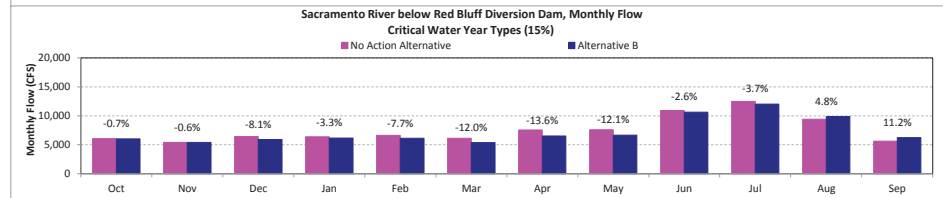
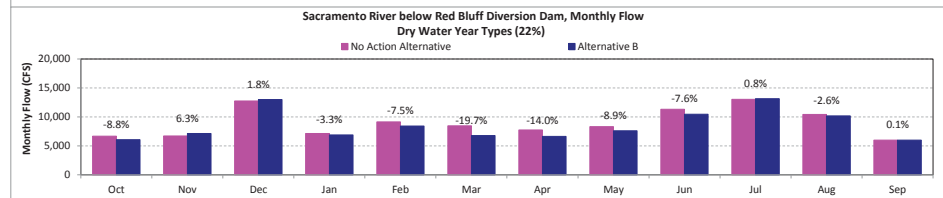
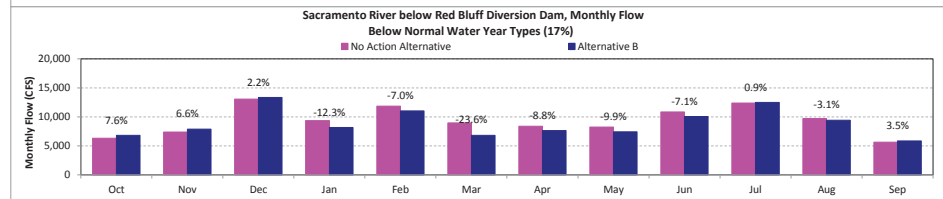
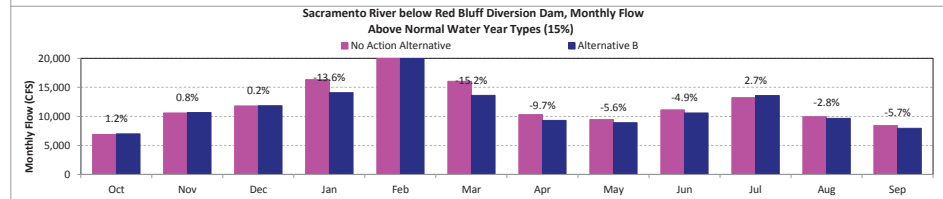
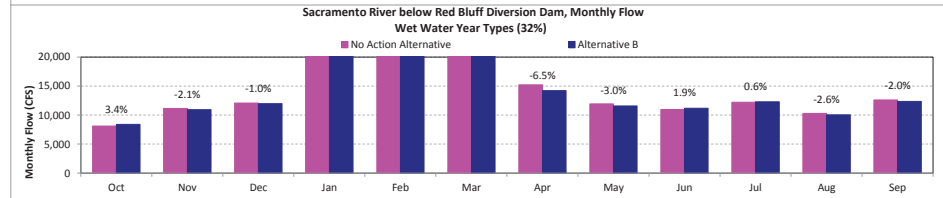
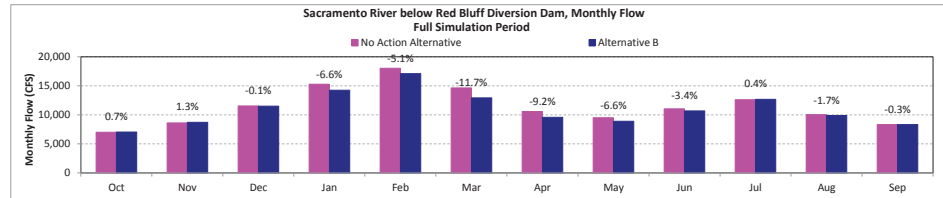


Figure SW-12-5b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

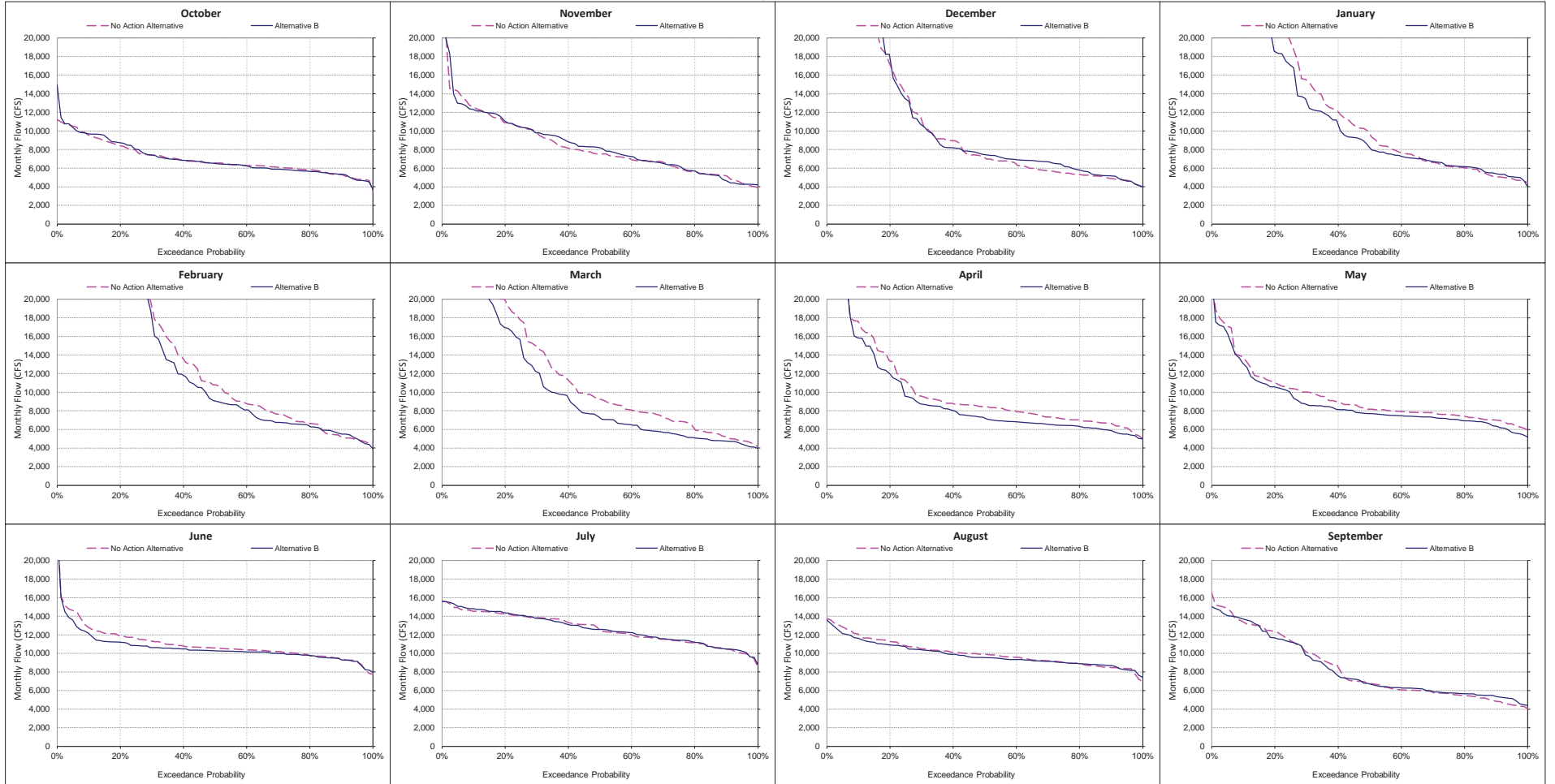


Table SW-12-5b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,234	14,960	3,726	33.2%
0.2%	11,446	14,446	479	4.2%
2.5%	10,748	10,787	39	0.4%
3.7%	10,673	10,767	94	0.9%
4.9%	10,532	10,376	-155	-1.5%
6.2%	10,406	10,031	-376	-3.6%
7.4%	9,311	9,833	522	5.6%
8.6%	9,860	9,800	-61	-0.6%
9.9%	9,573	9,695	122	1.3%
11.1%	9,412	9,670	258	2.7%
12.3%	9,271	9,669	399	4.3%
13.6%	9,162	9,639	476	5.2%
14.8%	8,923	9,562	639	7.2%
16.0%	8,855	9,213	358	4.0%
17.3%	8,703	8,859	156	1.8%
18.5%	8,581	8,821	239	2.8%
19.8%	8,400	8,739	339	4.0%
21.0%	8,335	8,677	342	4.1%
22.2%	8,165	8,483	318	3.9%
23.5%	8,026	8,441	415	5.2%
24.7%	7,987	8,044	57	0.7%
25.9%	7,978	7,994	16	0.2%
27.2%	7,566	7,657	91	1.2%
28.4%	7,443	7,480	38	0.5%
29.6%	7,403	7,440	37	0.5%
30.9%	7,384	7,399	15	0.2%
32.1%	7,369	7,175	-194	-2.6%
33.3%	7,273	7,118	-155	-2.1%
34.6%	7,103	7,023	-80	-1.1%
35.8%	7,092	6,981	-112	-1.6%
37.0%	7,075	6,945	-130	-1.8%
38.3%	6,976	6,907	-69	-1.0%
39.5%	6,881	6,847	-34	-0.5%
40.7%	6,767	6,836	69	1.0%
42.0%	6,759	6,822	63	0.9%
43.2%	6,751	6,798	47	0.7%
44.4%	6,678	6,743	65	1.0%
45.7%	6,652	6,727	75	1.1%
46.9%	6,602	6,577	-25	-0.4%
48.1%	6,592	6,563	-29	-0.4%
49.4%	6,578	6,522	-56	-0.9%
50.6%	6,562	6,481	-81	-1.2%
51.9%	6,551	6,462	-89	-1.4%
53.1%	6,516	6,419	-97	-1.5%
54.3%	6,432	6,413	-19	-0.3%
55.6%	6,359	6,402	43	0.7%
56.8%	6,352	6,370	18	0.3%
58.0%	6,343	6,358	15	0.2%
59.3%	6,312	6,298	-14	-0.2%
60.5%	6,288	6,197	-91	-1.4%
61.7%	6,284	6,054	-230	-3.7%
63.0%	6,282	6,041	-241	-3.8%
64.2%	6,263	6,032	-232	-3.7%
65.4%	6,241	6,027	-215	-3.4%
66.7%	6,186	6,003	-183	-3.0%
67.9%	6,155	5,903	-252	-4.1%
69.1%	6,137	5,901	-236	-3.9%
70.4%	6,063	5,888	-175	-2.9%
71.6%	6,059	5,878	-182	-3.0%
72.8%	6,023	5,827	-195	-3.2%
74.1%	6,003	5,906	-97	-1.6%
75.3%	5,989	5,754	-235	-3.9%
76.5%	5,904	5,725	-179	-3.0%
77.8%	5,860	5,705	-155	-2.6%
79.0%	5,845	5,704	-140	-2.4%
80.2%	5,845	5,653	-191	-3.3%
81.5%	5,778	5,632	-147	-2.5%
82.7%	5,720	5,607	-113	-2.0%
84.0%	5,602	5,543	-59	-1.1%
85.2%	5,522	5,512	-10	-0.2%
86.4%	5,387	5,427	40	0.8%
87.7%	5,345	5,425	80	1.5%
88.9%	5,327	5,362	35	0.7%
90.1%	5,301	5,350	50	0.9%
91.4%	5,150	5,274	124	2.4%
92.6%	5,082	5,021	-61	-1.2%
93.8%	4,907	4,831	-76	-1.6%
95.1%	4,798	4,682	-116	-2.4%
96.3%	4,790	4,679	-110	-2.3%
97.5%	4,764	4,639	-125	-2.6%
98.8%	4,673	4,531	-142	-3.0%
100.0%	3,452	3,683	232	6.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,392	33,279	-3,113	-8.6%
1.2%	20,446	19,654	-792	-3.9%
2.5%	14,550	18,292	3,742	25.7%
3.7%	14,481	13,962	-519	-3.6%
4.9%	14,307	12,971	-1,336	-9.3%
6.2%	13,757	12,919	-838	-6.1%
7.4%	13,713	12,773	-940	-6.9%
8.6%	12,768	12,397	-371	-3.1%
9.9%	12,591	12,300	-291	-2.3%
11.1%	12,356	12,153	-202	-1.6%
12.3%	12,239	12,144	-95	-0.8%
13.6%	11,992	12,021	29	0.2%
14.8%	11,841	11,941	99	0.8%
16.0%	11,510	11,930	420	3.7%
17.3%	11,403	11,815	412	3.6%
18.5%	11,402	11,552	150	1.3%
19.8%	10,888	11,125	238	2.2%
21.0%	10,681	10,824	143	1.3%
22.2%	10,744	10,796	52	0.5%
23.5%	10,586	10,584	-2	0.0%
24.7%	10,483	10,426	-57	-0.5%
25.9%	10,463	10,363	-100	-1.0%
27.2%	10,187	10,312	125	1.2%
28.4%	10,169	10,175	6	0.1%
29.6%	9,987	9,804	-184	-1.8%
30.9%	9,513	9,796	283	3.0%
32.1%	9,294	9,641	347	3.7%
33.3%	9,132	9,604	472	5.2%
34.6%	9,057	9,562	505	5.6%
35.8%	8,775	9,492	717	8.2%
37.0%	8,363	9,343	980	11.7%
38.3%	8,321	9,026	705	8.5%
39.5%	8,211	8,900	689	8.4%
40.7%	8,076	8,747	671	8.3%
42.0%	8,013	8,666	652	8.1%
43.2%	7,979	8,362	383	4.8%
44.4%	7,877	8,363	476	6.0%
45.7%	7,770	8,309	540	6.9%
46.9%	7,750	8,307	558	7.2%
48.1%	7,558	8,291	733	9.7%
49.4%	7,550	8,235	685	9.1%
50.6%	7,545	8,116	571	7.6%
51.9%	7,535	7,849	314	4.2%
53.1%	7,354	7,827	473	6.4%
54.3%	7,284	7,720	436	6.0%
55.6%	7,231	7,590	359	5.0%
56.8%	7,198	7,452	253	3.5%
58.0%	7,109	7,365	256	3.6%
59.3%	7,026	7,283	258	3.7%
60.5%	6,867	7,227	360	5.2%
61.7%	6,820	6,949	129	1.9%
63.0%	6,787	6,848	61	0.9%
64.2%	6,781	6,846	65	1.0%
65.4%	6,770	6,725	-45	-0.7%
66.7%	6,705	6,707	2	0.0%
67.9%	6,728	6,646	-82	-1.2%
69.1%	6,715	6,584	-132	-2.0%
70.4%	6,580	6,472	-108	-1.6%
71.6%	6,355	6,372	16	0.3%
72.8%	6,231	6,364	133	2.1%
74.1%	6,101	6,344	243	4.0%
75.3%	5,987	6,177	290	4.9%
76.5%	5,906	5,919	13	0.2%
77.8%	5,668	5,762	94	1.7%
79.0%	5,632	5,756	124	2.2%
80.2%	5,627	5,674	46	0.8%
81.5%	5,454	5,419	-36	-0.7%
82.7%	5,412	5,383	-30	-0.5%
84.0%	5,382	5,346	-36	-0.7%
85.2%	5,372	5,286	-86	-1.6%
86.4%	5,302	5,260	-42	-0.8%
87.7%	5,290	5,188	-102	-1.9%
88.9%	5,237	4,774	-463	-8.8%
90.1%	5,165	4,635	-530	-10.3%
91.4%	4,789	4,422	-367	-7.7%
92.6%	4,735	4,412	-323	-6.8%
93.8%	4,308	4,261	-47	-1.1%
95.1%	4,363	4,281	-83	-1.9%
96.3%	4,241	4,280	38	0.9%
97.5%	4,111	4,265	154	3.7%
98.8%	4,018	4,238	220	5.5%
100.0%	3,921	4,228	307	7.8%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,097	43,098	0	0.0%
1.2%	41,516	39,673	-1,843	-4.4%
2.5%	35,067	33,847	-1,220	-3.5%
3.7%	34,216	32,925	-1,291	-3.8%
4.9%	33,579	30,610	-2,970	-8.8%
6.2%	31,369	30,242	-1,127	-3.6%
7.4%	29,959	27,823	-2,137	-7.1%
8.6%	28,536	27,150	-1,387	-4.9%
9.9%	25,158	25,881	723	2.9%
11.1%	23,886	22,943	-943	-3.9%
12.3%	22,411	21,771	-640	-2.9%
13.6%	21,681	21,466	-215	-1.0%
14.8%	21,471	21,246	-224	-1.0%
16.0%	20,363	21,095	732	3.6%
17.3%	18,832	21,093	2,260	12.0%
18.5%	18,360	18,255	-105	-0.6%
19.8%	17,352	18,229	877	5.1%
21.0%	16,368	15,640	-728	-4.4%
22.2%	15,339	14,905	-434	-2.8%
23.5%	14,905	14,079	-826	-5.5%
24.7%	14,163	13,473	-690	-4.9%
25.9%	13,589	13,220	-369	-2.7%
27.2%	12,050	11,410	-640	-5.3%
28.4%	11,913	11,298	-616	-5.2%
29.6%	11,594	10,728	-866	-7.5%
30.9%	10,337	10,428	91	0.9%
32.1%	10,161	9,927	-234	-2.3%
33.3%	9,694	9,785	90	0.9%
34.6%	9,158	9,166	8	0.1%
35.8%	9,152	8,536	-616	-6.7%
37.0%	9,145	8,261	-885	-9.7%
38.3%	8,968	8,222	-746	-8.3%
39.5%	8,966	8,204	-762	-8.5%
40.7%	8,923	8,166	-757	-8.5%
42.0%	8,719	8,124	-595	-6.8%
43.2%	7,848	7,844	-4	-0.1%
44.4%	7,474	7,936	462	6.2%
45.7%	7,418	7,777	359	4.8%
46.9%	7,413	7,742	329	4.4%
48.1%	7,382	7,608	226	3.1%
49.4%	7,271	7,494	223	3.1%
50.6%	7,071	7,426	355	5.0%
51.9%	6,966	7,386	420	6.0%
53.1%	6,815	7,385	570	8.4%
54.3%	6,797	7,223	427	6.3%
55.6%	6,787	7,112	325	4.8%
56.8%	6,778	7,006	228	3.4%
58.0%	6,705	6,995	290	4.3%
59.3%	6,610	6,949	338	5.1%
60.5%	6,284	6,906	623	9.9%
61.7%	6,248	6,861	612	9.8%
63.0%	6,183	6,855	672	11.0%
64.2%	6,003	6,847	844	14.1%
65.4%	5,962	6,805	844	14.2%
66.7%	5,853	6,759	907	15.5%
67.9%	5,818	6,729	911	15.7%
69.1%	5,737	6,703	966	16.8%
70.4%	5,709	6,667	958	16.8%
71.6%	5,681	6,528	847	14.9%
72.8%	5,573	6,466	894	16.0%
74.1%	5,539	6,452	913	16.5%
75.3%	5,475	6,164	689	12.6%
76.5%	5,468	6,153	685	12.5%
77.8%	5,369	5,964	595	11.1%
79.0%	5,351	5,859	508	9.5%
80.2%	5,314	5,777	463	8.7%
81.5%	5,250	5,666	416	7.9%
82.7%	5,245	5,602	357	6.8%
84.0%	5,163	5,349	186	3.6%
85.2%	5,162	5,267	105	2.0%
86.4%	5,136	5,252	116	2.3%
87.7%	5,126	5,200	75	1.5%
88.9%	4,935	5,191	257	5.2%
90.1%	4,89			

Table SW-12-5b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	72,215	-2,131	-2.9%
1.2%	69,676	68,776	-900	-1.3%
2.5%	63,339	64,216	877	1.4%
3.7%	55,701	55,698	-3	0.0%
4.9%	48,307	47,894	-413	-0.9%
6.2%	47,665	47,714	48	0.1%
7.4%	45,544	45,077	-467	-1.0%
8.6%	44,215	42,145	-2,070	-4.7%
9.9%	43,520	41,401	-2,119	-4.9%
11.1%	42,318	40,597	-1,721	-4.1%
12.3%	39,842	39,991	149	0.4%
13.6%	39,937	37,724	-2,212	-5.5%
14.8%	38,278	36,174	-2,105	-5.5%
16.0%	33,017	32,937	-81	-0.2%
17.3%	32,937	30,896	-2,041	-6.2%
18.5%	31,197	29,077	-2,120	-6.8%
19.8%	30,223	28,106	-2,117	-7.0%
21.0%	28,064	25,943	-2,121	-7.6%
22.2%	27,321	25,204	-2,116	-7.7%
23.5%	24,548	22,685	-1,863	-7.6%
24.7%	24,343	22,595	-1,748	-7.2%
25.9%	23,544	21,661	-1,883	-8.0%
27.2%	20,903	21,419	516	2.5%
28.4%	20,834	20,483	-351	-1.7%
29.6%	19,774	18,793	-981	-5.0%
30.9%	17,823	16,065	-1,757	-9.9%
32.1%	17,423	15,729	-1,695	-9.7%
33.3%	16,767	14,631	-2,136	-12.7%
34.6%	15,985	13,501	-2,484	-15.5%
35.8%	15,464	13,344	-2,120	-13.7%
37.0%	15,145	13,144	-2,001	-13.2%
38.3%	14,009	11,902	-2,107	-15.0%
39.5%	13,805	11,912	-1,893	-13.7%
40.7%	13,192	11,683	-1,509	-11.4%
42.0%	13,023	11,079	-1,944	-14.9%
43.2%	12,985	10,895	-2,090	-16.1%
44.4%	12,511	10,516	-1,995	-15.9%
45.7%	11,237	10,490	-747	-6.6%
46.9%	11,170	10,015	-1,155	-10.3%
48.1%	11,117	9,350	-1,767	-15.9%
49.4%	10,802	9,111	-1,691	-15.7%
50.6%	10,784	8,982	-1,792	-16.6%
51.9%	10,516	8,918	-1,599	-15.2%
53.1%	9,976	8,798	-1,178	-11.8%
54.3%	9,827	8,675	-1,152	-11.7%
55.6%	9,296	8,667	-629	-6.8%
56.8%	9,049	8,659	-389	-4.3%
58.0%	9,031	8,355	-676	-7.5%
59.3%	8,875	8,106	-769	-8.7%
60.5%	8,716	8,099	-617	-7.1%
61.7%	8,652	7,675	-976	-11.3%
63.0%	8,615	7,289	-1,326	-15.4%
64.2%	8,492	7,104	-1,388	-16.3%
65.4%	8,210	6,986	-1,224	-14.9%
66.7%	7,908	6,940	-968	-12.2%
67.9%	7,864	6,935	-929	-11.8%
69.1%	7,681	6,751	-930	-12.1%
70.4%	7,618	6,749	-869	-11.4%
71.6%	7,605	6,739	-866	-11.4%
72.8%	7,373	6,713	-660	-9.0%
74.1%	7,209	6,600	-609	-8.4%
75.3%	6,888	6,593	-295	-4.3%
76.5%	6,850	6,576	-274	-4.0%
77.8%	6,836	6,532	-303	-4.4%
79.0%	6,650	6,494	-156	-2.4%
80.2%	6,636	6,287	-350	-5.3%
81.5%	6,576	6,264	-312	-4.7%
82.7%	6,545	6,199	-347	-5.3%
84.0%	5,881	5,927	46	0.8%
85.2%	5,554	5,913	360	6.5%
86.4%	5,487	5,992	406	7.4%
87.7%	5,453	5,765	302	5.5%
88.9%	5,406	5,621	215	4.0%
90.1%	5,174	5,503	329	6.4%
91.4%	5,092	5,498	406	8.0%
92.6%	5,082	5,404	322	6.3%
93.8%	4,983	5,170	187	3.8%
95.1%	4,913	4,984	70	1.4%
96.3%	4,792	4,682	-109	-2.3%
97.5%	4,678	4,466	-212	-4.5%
98.8%	4,502	4,390	-112	-2.5%
100.0%	4,447	4,303	-144	-3.2%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,640	-36	-0.1%
1.2%	68,651	67,657	-994	-1.4%
2.5%	53,836	51,723	-2,113	-3.9%
3.7%	50,420	48,407	-2,014	-4.0%
4.9%	47,071	47,063	-8	0.0%
6.2%	39,950	34,449	-5,501	-13.8%
7.4%	33,325	31,180	-2,145	-6.4%
8.6%	32,127	29,988	-2,140	-6.7%
9.9%	29,614	27,496	-2,118	-7.2%
11.1%	27,030	24,912	-2,119	-7.8%
12.3%	25,386	23,267	-2,119	-8.3%
13.6%	23,894	22,662	-1,331	-5.6%
14.8%	21,569	20,046	-1,523	-7.1%
16.0%	20,575	19,451	-1,124	-5.5%
17.3%	20,155	18,458	-1,696	-8.4%
18.5%	20,094	17,343	-2,751	-13.5%
19.8%	20,050	16,987	-3,064	-15.3%
21.0%	18,064	16,875	-2,190	-12.2%
22.2%	18,633	16,513	-2,119	-11.4%
23.5%	18,359	15,955	-2,404	-13.1%
24.7%	17,814	15,895	-2,120	-11.9%
25.9%	17,485	13,675	-3,809	-21.8%
27.2%	15,479	13,178	-2,300	-14.9%
28.4%	15,310	12,904	-2,406	-15.7%
29.6%	15,023	12,253	-2,770	-18.4%
30.9%	14,594	12,063	-2,531	-17.3%
32.1%	14,371	10,585	-3,787	-26.3%
33.3%	13,660	10,277	-3,383	-24.8%
34.6%	12,704	10,013	-2,692	-21.2%
35.8%	12,401	9,939	-2,462	-19.9%
37.0%	11,893	9,813	-2,080	-17.5%
38.3%	11,794	9,741	-2,053	-17.4%
39.5%	11,488	9,666	-1,822	-15.9%
40.7%	11,038	8,899	-2,138	-19.4%
42.0%	10,674	8,576	-2,098	-19.7%
43.2%	9,951	8,148	-1,803	-18.1%
44.4%	9,137	7,293	-2,126	-21.4%
45.7%	8,794	7,738	-2,056	-21.0%
46.9%	9,771	7,667	-2,104	-21.5%
48.1%	9,350	7,643	-1,883	-19.8%
49.4%	9,242	7,401	-1,840	-19.9%
50.6%	9,206	7,006	-2,100	-22.9%
51.9%	9,025	7,078	-1,947	-21.6%
53.1%	8,802	7,057	-1,745	-19.8%
54.3%	8,741	7,042	-1,699	-19.4%
55.6%	8,631	6,663	-1,968	-22.6%
56.8%	8,564	6,621	-1,944	-22.7%
58.0%	8,174	6,572	-1,602	-19.6%
59.3%	8,127	6,526	-1,602	-19.7%
60.5%	8,026	6,448	-1,578	-19.7%
61.7%	7,927	6,446	-1,481	-18.7%
63.0%	7,870	6,012	-1,858	-23.6%
64.2%	7,805	5,908	-1,897	-24.3%
65.4%	7,774	5,886	-1,889	-24.3%
66.7%	7,752	5,839	-1,913	-24.7%
67.9%	7,615	5,801	-1,814	-23.8%
69.1%	7,512	5,749	-1,763	-23.5%
70.4%	7,258	5,569	-1,589	-21.9%
71.6%	7,136	5,556	-1,480	-20.7%
72.8%	6,904	5,566	-1,338	-19.4%
74.1%	6,870	5,493	-1,377	-20.0%
75.3%	6,853	5,395	-1,458	-21.4%
76.5%	6,836	5,308	-1,528	-22.4%
77.8%	6,731	5,149	-1,582	-23.5%
79.0%	6,474	5,137	-1,337	-20.6%
80.2%	5,912	5,094	-818	-13.8%
81.5%	5,892	5,016	-876	-14.9%
82.7%	5,808	4,998	-810	-13.9%
84.0%	5,690	4,970	-720	-12.7%
85.2%	5,676	4,839	-837	-14.8%
86.4%	5,573	4,801	-773	-13.9%
87.7%	5,491	4,790	-701	-12.8%
88.9%	5,260	4,769	-491	-9.3%
90.1%	5,234	4,756	-478	-9.1%
91.4%	5,004	4,721	-284	-5.7%
92.6%	5,004	4,719	-285	-5.7%
93.8%	4,837	4,569	-269	-5.6%
95.1%	4,678	4,400	-278	-6.0%
96.3%	4,741	4,266	-475	-10.0%
97.5%	4,602	4,121	-481	-10.4%
98.8%	4,393	4,100	-293	-6.7%
100.0%	4,145	3,953	-192	-4.6%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	39,487	-1,880	-4.5%
1.2%	33,804	32,804	-1,000	-2.9%
2.5%	24,788	22,904	-1,884	-7.6%
3.7%	23,656	22,656	-1,000	-4.7%
4.9%	22,542	22,160	-382	-1.7%
6.2%	22,166	21,779	-388	-1.7%
7.4%	17,985	17,982	-3	0.0%
8.6%	13,705	16,018	2,313	16.9%
9.9%	17,633	15,822	-1,811	-10.3%
11.1%	16,776	15,806	-970	-5.8%
12.3%	16,419	14,968	-1,451	-8.8%
13.6%	16,384	14,954	-1,430	-8.7%
14.8%	15,822	14,165	-1,657	-10.5%
16.0%	14,515	12,692	-1,823	-12.6%
17.3%	14,356	12,458	-1,898	-13.2%
18.5%	14,276	12,368	-1,908	-13.4%
19.8%	13,396	12,025	-1,371	-10.2%
21.0%	13,258	11,536	-1,722	-13.0%
22.2%	12,023	11,326	-697	-5.8%
23.5%	11,442	11,092	-350	-3.1%
24.7%	11,325	9,569	-1,756	-15.5%
25.9%	10,893	8,901	-1,992	-18.2%
27.2%	10,409	9,360	-1,049	-10.1%
28.4%	9,609	8,981	-628	-6.5%
29.6%	9,607	8,743	-864	-9.0%
30.9%	9,478	8,692	-786	-8.3%
32.1%	9,329	8,593	-736	-7.9%
33.3%	9,304	8,551	-753	-8.1%
34.6%	9,202	8,512	-690	-7.5%
35.8%	9,120	8,478	-642	-7.0%
37.0%	8,873	8,248	-625	-7.0%
38.3%	8,812	8,112	-700	-7.9%
39.5%	8,818	8,075	-743	-8.4%
40.7%	8,720	7,960	-760	-8.7%
42.0%	8,704	7,588	-1,117	-12.8%
43.2%	8,665	7,558	-1,107	-12.8%
44.4%	8,658	7,498	-1,159	-13.4%
45.7%	8,615	7,454	-1,161	-13.5%
46.9%	8,597	7,422	-1,175	-13.7%
48.1%	8,492	7,351	-1,141	-13.4%
49.4%	8,451	7,318	-1,133	-13.4%
50.6%	8,450	7,115	-1,335	-15.8%
51.9%	8,351	7,039	-1,311	-15.7%
53.1%	8,335	6,985	-1,350	-16.2%
54.3%	8,277	6,934	-1,343	-16.2%
55.6%	8,261	6,933	-1,328	-16.1%
56.8%	8,089	6,892	-1,205	-14.9%
58.0%	8,051	6,857	-1,194	-14.8%
59.3%	8,015	6,833	-1,181	-14.7%
60.5%	7,897	6,825	-1,072	-13.6%
61.7%	7,864	6,757	-1,107	-14.1%
63.0%	7,749	6,742	-1,007	-13.0%
64.2%	7,843	6,722	-1,021	-13.2%
65.4%	7,663	6,684	-979	-12.8%
66.7%	7,582	6,651	-931	-12.3%
67.9%	7,478	6,650	-828	-11.1%
69.1%	7,346	6,582	-764	-10.4%
70.4%	7,334	6,532	-802	-10.9%
71.6%	7,275	6,496	-779	-10.7%
72.8%	7,270	6,463	-807	-11.1%
74.1%	7,166	6,447	-720	-10.0%
75.3%	7,105	6,440	-665	-9.4%
76.5%	7,073	6,412	-661	-9.3%
77.8%	7,044</			

Table SW-12-5b
 Sacramento River below Red Bluff Diversion Dam, Monthly Flow
 Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	23,832	-98	-0.4%
1.2%	16,241	16,022	-219	-1.3%
2.5%	15,144	14,477	-667	-4.4%
3.7%	14,772	13,864	-907	-6.1%
4.9%	14,616	13,583	-1,033	-7.1%
6.2%	14,498	12,892	-1,603	-11.1%
7.4%	14,351	12,658	-1,693	-11.8%
8.6%	13,165	12,409	-755	-5.7%
9.9%	12,789	12,204	-585	-4.6%
11.1%	12,580	11,791	-789	-6.3%
12.3%	12,448	11,441	-1,006	-8.1%
13.6%	12,358	11,378	-980	-7.9%
14.8%	12,189	11,293	-895	-7.3%
16.0%	12,138	11,255	-884	-7.3%
17.3%	12,123	11,237	-886	-7.3%
18.5%	12,108	11,221	-887	-7.3%
19.8%	11,892	11,217	-675	-5.6%
21.0%	11,863	11,195	-668	-5.6%
22.2%	11,727	11,090	-637	-5.4%
23.5%	11,724	10,841	-883	-7.5%
24.7%	11,706	10,841	-866	-7.4%
25.9%	11,521	10,814	-707	-6.1%
27.2%	11,492	10,799	-693	-6.0%
28.4%	11,421	10,792	-629	-5.5%
29.6%	11,345	10,634	-711	-6.3%
30.9%	11,274	10,627	-648	-5.7%
32.1%	11,267	10,626	-641	-5.7%
33.3%	11,137	10,583	-554	-5.0%
34.6%	10,988	10,580	-408	-3.7%
35.8%	10,963	10,577	-386	-3.5%
37.0%	10,951	10,524	-426	-3.9%
38.3%	10,854	10,509	-345	-3.2%
39.5%	10,833	10,499	-334	-3.1%
40.7%	10,739	10,473	-267	-2.5%
42.0%	10,706	10,359	-347	-3.2%
43.2%	10,689	10,353	-336	-3.1%
44.4%	10,681	10,341	-342	-3.2%
45.7%	10,658	10,337	-321	-3.0%
46.9%	10,622	10,306	-316	-3.0%
48.1%	10,620	10,305	-315	-3.0%
49.4%	10,589	10,293	-296	-2.8%
50.6%	10,551	10,274	-277	-2.6%
51.9%	10,528	10,269	-259	-2.5%
53.1%	10,521	10,241	-279	-2.7%
54.3%	10,476	10,234	-242	-2.3%
55.6%	10,468	10,225	-242	-2.3%
56.8%	10,465	10,212	-254	-2.4%
58.0%	10,423	10,193	-230	-2.2%
59.3%	10,383	10,189	-194	-1.9%
60.5%	10,365	10,163	-202	-2.0%
61.7%	10,356	10,162	-195	-1.9%
63.0%	10,211	10,007	-204	-2.0%
64.2%	10,306	10,141	-164	-1.6%
65.4%	10,302	10,139	-163	-1.6%
66.7%	10,257	10,128	-129	-1.3%
67.9%	10,225	10,008	-216	-2.1%
69.1%	10,211	10,007	-204	-2.0%
70.4%	10,208	9,987	-221	-2.2%
71.6%	10,107	9,975	-131	-1.3%
72.8%	10,098	9,911	-187	-1.9%
74.1%	10,074	9,907	-166	-1.6%
75.3%	9,952	9,903	-49	-0.5%
76.5%	9,967	9,873	-94	-0.9%
77.8%	9,918	9,828	-90	-0.9%
79.0%	9,906	9,808	-98	-1.0%
80.2%	9,727	9,768	42	0.4%
81.5%	9,714	9,721	7	0.1%
82.7%	9,706	9,586	-119	-1.2%
84.0%	9,686	9,557	-129	-1.3%
85.2%	9,676	9,546	-129	-1.3%
86.4%	9,600	9,515	-85	-0.9%
87.7%	9,535	9,494	-41	-0.4%
88.9%	9,466	9,479	13	0.1%
90.1%	9,436	9,282	-155	-1.6%
91.4%	9,292	9,281	-11	-0.1%
92.6%	9,290	9,265	-25	-0.3%
93.8%	9,252	9,135	-117	-1.3%
95.1%	9,035	9,130	96	1.1%
96.3%	8,803	8,684	-119	-1.4%
97.5%	8,189	8,238	49	0.6%
98.8%	7,856	8,181	326	4.1%
100.0%	7,758	7,967	208	2.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	15,809	115	0.1%
1.2%	15,657	15,668	9	0.0%
2.5%	15,348	15,482	134	0.9%
3.7%	14,954	15,356	402	2.7%
4.9%	14,936	15,079	143	1.0%
6.2%	14,714	15,031	317	2.2%
7.4%	14,702	14,907	205	1.4%
8.6%	14,648	14,823	175	1.2%
9.9%	14,539	14,808	269	1.8%
11.1%	14,526	14,748	222	1.5%
12.3%	14,506	14,726	219	1.5%
13.6%	14,506	14,683	178	1.2%
14.8%	14,474	14,526	52	0.4%
16.0%	14,418	14,517	100	0.7%
17.3%	14,353	14,498	145	1.0%
18.5%	14,269	14,498	228	1.6%
19.8%	14,241	14,369	128	0.9%
21.0%	14,212	14,341	129	0.9%
22.2%	14,103	14,239	136	1.0%
23.5%	14,091	14,151	60	0.4%
24.7%	14,027	14,096	68	0.5%
25.9%	13,984	14,081	97	0.7%
27.2%	13,943	13,946	4	0.0%
28.4%	13,836	13,938	102	0.7%
29.6%	13,827	13,772	-55	-0.4%
30.9%	13,821	13,746	-75	-0.5%
32.1%	13,716	13,716	-100	-0.7%
33.3%	13,768	13,642	-126	-0.9%
34.6%	13,720	13,568	-152	-1.1%
35.8%	13,719	13,420	-300	-2.2%
37.0%	13,700	13,392	-308	-2.3%
38.3%	13,645	13,271	-374	-2.7%
39.5%	13,474	13,130	-344	-2.5%
40.7%	13,258	13,042	-216	-1.6%
42.0%	13,150	13,039	-111	-0.8%
43.2%	13,142	12,998	-144	-1.1%
44.4%	13,142	12,794	-348	-2.6%
45.7%	13,102	12,727	-375	-2.9%
46.9%	13,086	12,650	-436	-3.3%
48.1%	13,049	12,591	-457	-3.5%
49.4%	12,710	12,578	-131	-1.0%
50.6%	12,674	12,367	-307	-2.4%
51.9%	12,318	12,548	231	1.9%
53.1%	12,304	12,461	157	1.3%
54.3%	12,281	12,361	79	0.6%
55.6%	12,211	12,357	146	1.2%
56.8%	12,175	12,314	139	1.1%
58.0%	12,166	12,272	107	0.9%
59.3%	12,089	12,270	182	1.5%
60.5%	11,896	12,230	333	2.8%
61.7%	11,799	12,011	211	1.8%
63.0%	11,748	11,894	246	2.1%
64.2%	11,746	11,939	193	1.6%
65.4%	11,737	11,797	61	0.5%
66.7%	11,668	11,771	104	0.9%
67.9%	11,643	11,730	87	0.8%
69.1%	11,544	11,580	36	0.3%
70.4%	11,529	11,572	43	0.4%
71.6%	11,423	11,519	96	0.8%
72.8%	11,402	11,486	83	0.7%
74.1%	11,368	11,446	78	0.7%
75.3%	11,354	11,414	60	0.5%
76.5%	11,271	11,407	137	1.2%
77.8%	11,187	11,375	188	1.7%
79.0%	11,156	11,273	116	1.0%
80.2%	11,151	11,178	27	0.2%
81.5%	11,027	11,167	140	1.3%
82.7%	11,025	11,067	42	0.4%
84.0%	10,872	10,755	-117	-1.1%
85.2%	10,750	10,730	-20	-0.2%
86.4%	10,629	10,618	-11	-0.1%
87.7%	10,629	10,569	-60	-0.6%
88.9%	10,553	10,500	-53	-0.5%
90.1%	10,445	10,459	13	0.1%
91.4%	10,420	10,451	31	0.3%
92.6%	10,218	10,443	225	2.2%
93.8%	10,127	10,335	209	2.1%
95.1%	10,017	10,238	220	2.2%
96.3%	9,960	10,086	126	1.3%
97.5%	9,778	9,619	-158	-1.6%
98.8%	9,423	9,598	175	1.9%
100.0%	8,541	8,619	78	0.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	13,622	-113	-0.8%
1.2%	13,621	13,626	5	0.0%
2.5%	13,216	12,875	-342	-2.6%
3.7%	13,085	12,498	-586	-4.5%
4.9%	12,860	12,134	-726	-5.6%
6.2%	12,633	12,039	-593	-4.7%
7.4%	12,489	11,943	-547	-4.4%
8.6%	13,614	11,701	-1,913	-14.0%
9.9%	12,104	11,619	-485	-4.0%
11.1%	11,691	11,478	-213	-1.8%
12.3%	11,657	11,336	-322	-2.8%
13.6%	11,645	11,251	-394	-3.4%
14.8%	11,503	11,202	-301	-2.6%
16.0%	11,473	11,034	-438	-3.8%
17.3%	11,451	11,009	-442	-3.9%
18.5%	11,436	11,002	-434	-3.8%
19.8%	11,301	10,909	-392	-3.5%
21.0%	11,235	10,888	-347	-3.1%
22.2%	11,211	10,874	-337	-3.0%
23.5%	10,863	10,804	-59	-0.5%
24.7%	10,839	10,765	-74	-0.7%
25.9%	10,741	10,743	2	0.0%
27.2%	10,694	10,445	-249	-2.3%
28.4%	10,689	10,440	-249	-2.3%
29.6%	10,513	10,399	-114	-1.1%
30.9%	10,472	10,338	-134	-1.3%
32.1%	10,451	10,327	-122	-1.2%
33.3%	10,335	10,253	-82	-0.8%
34.6%	10,327	10,230	-97	-0.9%
35.8%	10,284	10,208	-76	-0.7%
37.0%	10,246	10,045	-201	-2.0%
38.3%	10,246	9,938	-308	-3.0%
39.5%	10,126	9,897	-229	-2.3%
40.7%	10,104	9,892	-212	-2.1%
42.0%	10,063	9,799	-264	-2.6%
43.2%	10,027	9,794	-233	-2.3%
44.4%	9,990	9,673	-317	-3.2%
45.7%	9,990	9,581	-409	-4.1%
46.9%	9,974	9,573	-402	-4.0%
48.1%	9,933	9,562	-372	-3.7%
49.4%	9,930	9,561	-369	-3.7%
50.6%	9,828	9,528	-300	-3.0%
51.9%	9,836	9,523	-312	-3.2%
53.1%	9,825	9,517	-308	-3.1%
54.3%	9,795	9,490	-305	-3.1%
55.6%	9,662	9,423	-239	-2.5%
56.8%	9,633	9,374	-260	-2.7%
58.0%	9,608	9,338	-270	-2.8%
59.3%	9,599	9,337	-262	-2.7%
60.5%	9,593	9,335	-258	-2.7%
61.7%	9,509	9,334	-175	-1.8%
63.0%	9,439	9,291	-148	-1.6%
64.2%	9,321	9,289	-32	-0.3%
65.4%	9,277	9,199	-79	-0.8%
66.7%	9,268	9,186	-82	-0.9%
67.9%	9,250	9,162	-88	-0.9%
69.1%	9,209	9,154	-55	-0.6%
70.4%	9,199	9,139	-60	-0.7%
71.6%	9,192	9,111	-81	-0.9%
72.8%	9,125	9,058	-67	-0.7%
74.1%	9,076	9,035	-41	-0.5%
75.3%	8,983	8,998	15	0.2%
76.5%	8,946	8,940	-6	-0.1%
77.8%	8,945	8,924	-21	-0.2%
79.0%	8,929	8,913	-16	-0.2%
80.2%	8,927	8,896	-31	-0.3%
81.5%	8,772	8,872	100	1.1%
82.7%	8,699	8,826	127	1.5%
84.0%	8,682	8,813	131	1.5%
85.				

Table SW-13-5a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period ¹												
No Action Alternative	6,532	8,851	12,793	17,292	20,370	16,703	10,163	8,656	8,665	9,944	8,041	7,880
Alternative B	6,598	8,988	12,512	16,181	19,268	14,217	8,899	7,871	8,561	10,418	7,814	7,910
Difference	66	137	-281	-1,111	-1,102	-2,486	-1,264	-785	-104	474	-227	31
Percent Difference ³	1.0%	1.5%	-2.2%	-6.4%	-5.4%	-14.9%	-12.4%	-9.1%	-1.2%	4.8%	-2.8%	0.4%
Water Year Types²												
Wet (32%)												
No Action Alternative	7,611	11,467	13,284	31,352	33,964	28,279	15,845	11,871	8,970	9,632	8,281	12,187
Alternative B	8,005	11,346	12,874	29,907	32,639	25,731	14,323	11,126	9,297	10,212	7,800	12,040
Difference	394	-121	-410	-1,446	-1,325	-2,548	-1,522	-745	327	580	-481	-147
Percent Difference	5.2%	-1.1%	-3.1%	-4.6%	-3.9%	-9.0%	-9.6%	-6.3%	3.6%	6.0%	-5.8%	-1.2%
Above Normal (15%)												
No Action Alternative	6,419	10,862	13,115	18,941	26,586	18,718	10,201	8,790	8,755	10,463	7,853	7,957
Alternative B	6,363	10,906	12,639	16,630	24,776	15,065	8,723	7,810	8,467	11,359	7,671	7,565
Difference	-56	44	-475	-2,310	-1,810	-3,653	-1,478	-980	-288	896	-183	-392
Percent Difference	-0.9%	0.4%	-3.6%	-12.2%	-6.8%	-19.5%	-14.5%	-11.1%	-3.3%	8.6%	-2.3%	-4.9%
Below Normal (17%)												
No Action Alternative	5,948	7,687	14,413	10,679	13,568	10,361	7,793	7,038	8,268	9,528	7,580	5,154
Alternative B	6,451	8,185	14,379	9,436	12,655	7,483	6,223	6,114	7,849	10,214	7,237	5,370
Difference	503	498	-34	-1,243	-913	-2,878	-1,170	-925	-419	686	-342	217
Percent Difference	8.4%	6.5%	-0.2%	-11.6%	-6.7%	-27.8%	-15.0%	-13.1%	-5.1%	7.2%	-4.5%	4.2%
Dry (22%)												
No Action Alternative	6,095	6,958	14,399	7,915	10,515	10,034	6,604	6,833	8,582	10,236	8,344	5,525
Alternative B	5,541	7,360	14,480	7,625	9,709	7,719	5,448	6,232	8,149	10,566	8,128	5,548
Difference	-554	402	81	-290	-806	-2,314	-1,156	-602	-433	330	-215	23
Percent Difference	-9.1%	5.8%	0.6%	-3.7%	-7.7%	-23.1%	-17.5%	-8.8%	-5.0%	3.2%	-2.6%	0.4%
Critical (15%)												
No Action Alternative	5,641	5,370	7,107	6,958	7,418	7,010	5,917	6,178	8,504	10,147	7,794	5,182
Alternative B	5,541	5,341	6,467	6,695	6,841	6,022	5,152	5,391	8,510	9,943	8,191	5,814
Difference	-101	-29	-640	-264	-577	-988	-764	-787	6	-204	398	633
Percent Difference	-1.8%	-0.5%	-9.0%	-3.8%	-7.8%	-14.1%	-12.9%	-12.7%	0.1%	-2.0%	5.1%	12.2%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average

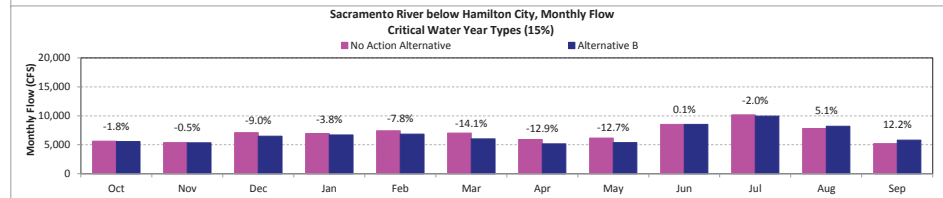
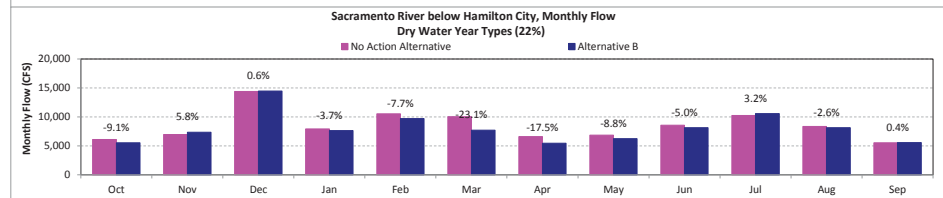
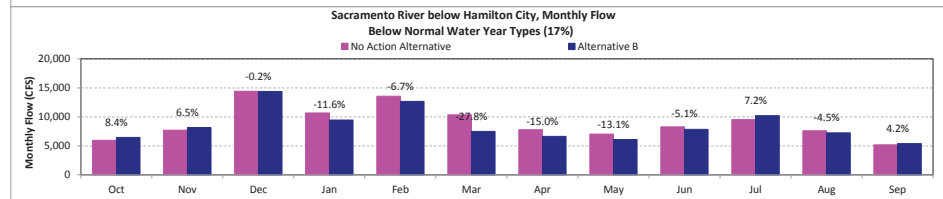
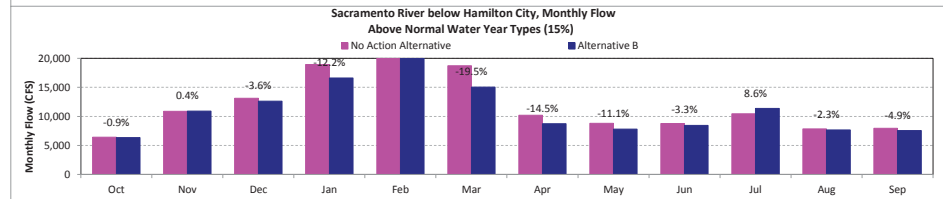
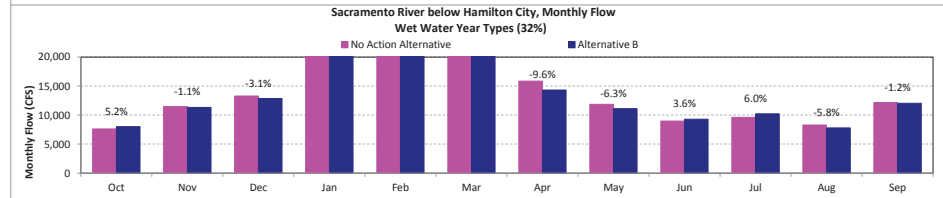
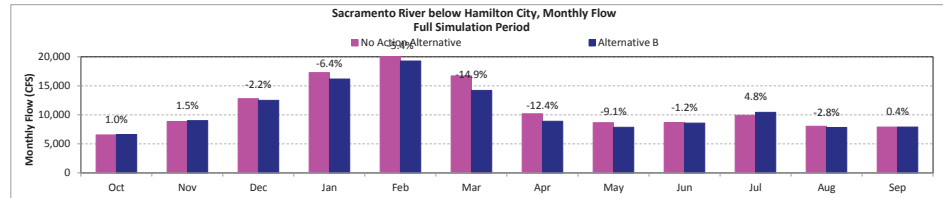


Figure SW-13-5b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

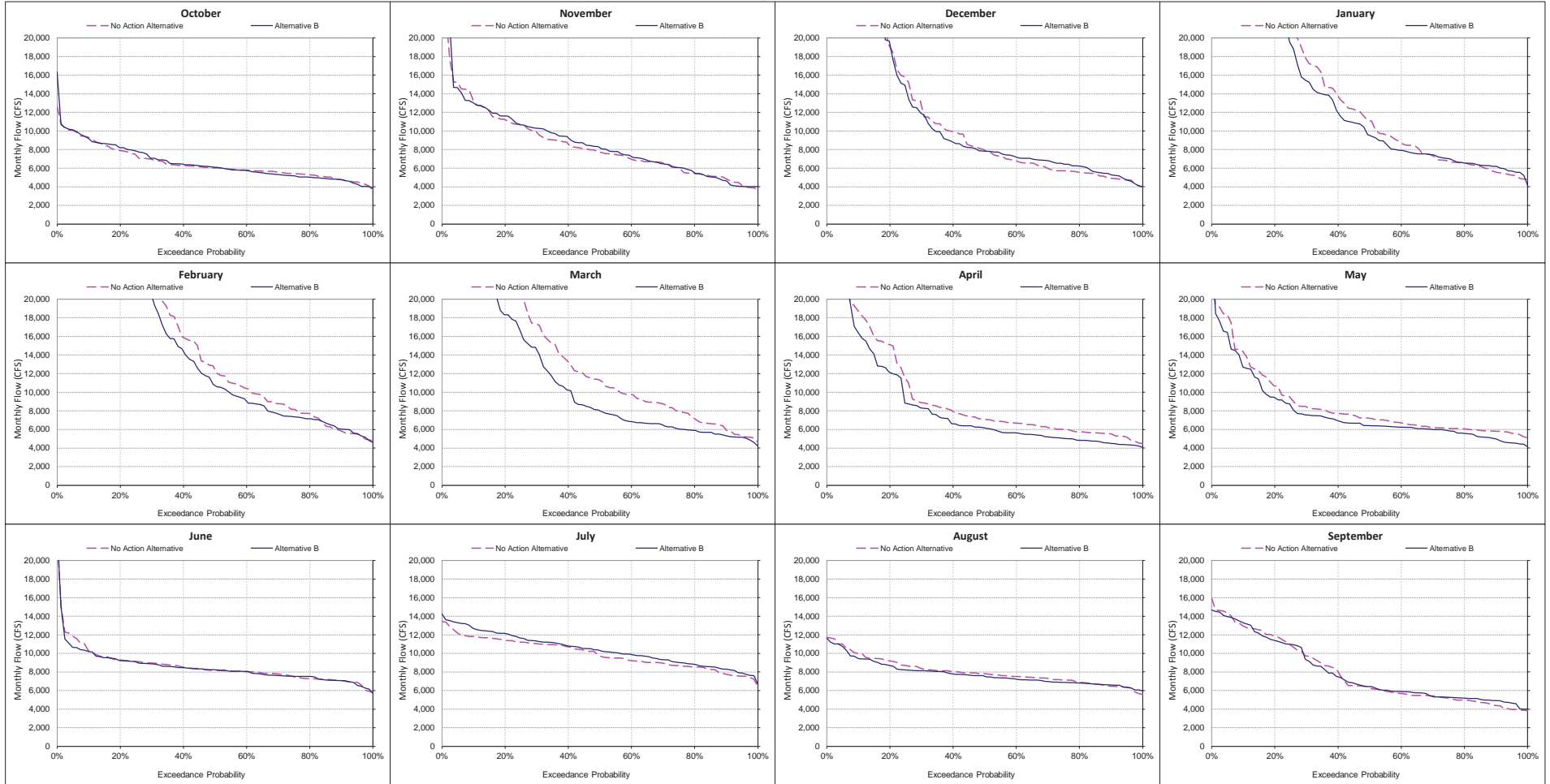


Table SW-13-5b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	October		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)		
0.0%	12,650	16,376	3,726	29.4%
0.2%	12,650	10,704	-108	-0.9%
2.5%	10,263	10,399	136	1.3%
3.7%	10,097	10,185	88	0.9%
4.9%	10,066	10,124	58	0.6%
6.2%	9,845	9,946	102	1.0%
7.4%	9,457	9,637	181	1.9%
8.6%	9,426	9,450	24	0.3%
9.9%	9,329	9,219	-110	-1.2%
11.1%	9,110	8,851	-258	-2.8%
12.3%	8,810	8,760	-50	-0.6%
13.6%	8,707	8,692	-15	-0.2%
14.8%	8,447	8,643	196	2.3%
16.0%	8,380	8,603	223	2.7%
17.3%	8,099	8,546	447	5.5%
18.5%	8,005	8,523	517	6.5%
19.8%	7,899	8,205	307	3.9%
21.0%	7,850	8,204	354	4.5%
22.2%	7,762	8,007	245	3.2%
23.5%	7,564	7,950	386	5.1%
24.7%	7,511	7,864	353	4.7%
25.9%	7,056	7,744	687	9.7%
27.2%	7,055	7,688	633	9.0%
28.4%	7,036	7,521	485	6.9%
29.6%	6,990	7,077	87	1.2%
30.9%	6,851	7,052	201	2.9%
32.1%	6,798	6,896	107	1.6%
33.3%	6,745	6,888	142	2.1%
34.6%	6,462	6,851	389	6.0%
35.8%	6,391	6,493	102	1.6%
37.0%	6,374	6,488	114	1.8%
38.3%	6,311	6,476	165	2.6%
39.5%	6,301	6,453	152	2.4%
40.7%	6,292	6,367	75	1.2%
42.0%	6,247	6,356	109	1.7%
43.2%	6,232	6,341	109	1.8%
44.4%	6,198	6,292	104	1.7%
45.7%	6,139	6,215	77	1.2%
46.9%	6,093	6,195	102	1.7%
48.1%	6,080	6,180	100	1.6%
49.4%	6,034	6,122	88	1.5%
50.6%	6,018	6,084	66	1.1%
51.9%	5,994	6,032	39	0.6%
53.1%	5,901	5,946	45	0.8%
54.3%	5,890	5,882	-8	-0.1%
55.6%	5,882	5,822	-60	-1.0%
56.8%	5,807	5,816	9	0.2%
58.0%	5,796	5,785	-11	-0.2%
59.3%	5,795	5,783	-11	-0.2%
60.5%	5,772	5,735	-37	-0.6%
61.7%	5,742	5,614	-128	-2.2%
63.0%	5,687	5,591	-96	-1.7%
64.2%	5,686	5,521	-164	-2.9%
65.4%	5,670	5,467	-203	-3.6%
66.7%	5,662	5,423	-239	-4.2%
67.9%	5,659	5,390	-270	-4.8%
69.1%	5,597	5,345	-252	-4.5%
70.4%	5,542	5,319	-223	-4.0%
71.6%	5,504	5,253	-251	-4.6%
72.8%	5,455	5,221	-234	-4.3%
74.1%	5,430	5,198	-233	-4.3%
75.3%	5,413	5,155	-257	-4.8%
76.5%	5,375	5,064	-311	-5.8%
77.8%	5,346	5,063	-283	-5.3%
79.0%	5,291	5,052	-238	-4.5%
80.2%	5,277	5,039	-239	-4.5%
81.5%	5,237	4,971	-266	-5.1%
82.7%	5,138	4,967	-171	-3.3%
84.0%	5,124	4,906	-218	-4.3%
85.2%	5,055	4,886	-169	-3.3%
86.4%	5,041	4,842	-198	-3.9%
87.7%	4,880	4,826	-54	-1.1%
88.9%	4,795	4,812	17	0.4%
90.1%	4,767	4,759	-8	-0.2%
91.4%	4,644	4,664	20	0.4%
92.6%	4,613	4,566	-46	-1.0%
93.8%	4,525	4,396	-129	-2.9%
95.1%	4,514	4,268	-246	-5.4%
96.3%	4,367	4,057	-311	-7.1%
97.5%	4,264	4,042	-221	-5.2%
98.8%	4,076	4,014	-63	-1.5%
100.0%	3,617	3,648	232	6.4%

Percent Exceedance Probability	November		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)		
0.0%	39,883	35,707	-4,176	-10.5%
1.2%	22,768	22,598	-170	-0.7%
2.5%	17,745	21,564	3,819	21.5%
3.7%	15,278	14,682	-596	-3.9%
4.9%	15,209	14,653	-557	-3.7%
6.2%	14,513	14,108	-405	-2.8%
7.4%	14,497	13,033	-1,464	-10.1%
8.6%	13,412	13,253	-159	-1.2%
9.9%	13,310	13,033	-276	-2.1%
11.1%	12,787	12,755	-32	-0.3%
12.3%	12,699	12,746	47	0.4%
13.6%	12,493	12,528	34	0.3%
14.8%	12,206	12,251	45	0.4%
16.0%	11,527	11,934	407	3.5%
17.3%	11,482	11,887	406	3.5%
18.5%	11,281	11,819	538	4.7%
19.8%	11,253	11,611	359	3.2%
21.0%	11,060	11,589	530	4.8%
22.2%	10,839	11,293	453	4.2%
23.5%	10,719	10,869	151	1.4%
24.7%	10,713	10,864	151	1.4%
25.9%	10,674	10,644	-30	-0.3%
27.2%	10,258	10,475	217	2.1%
28.4%	10,044	10,397	354	3.5%
29.6%	10,036	10,312	276	2.8%
30.9%	9,952	10,268	317	3.2%
32.1%	9,299	10,210	911	9.8%
33.3%	9,092	9,983	891	9.8%
34.6%	9,069	9,815	746	8.2%
35.8%	9,030	9,711	681	7.5%
37.0%	8,987	9,471	485	5.4%
38.3%	8,840	9,452	612	6.9%
39.5%	8,792	9,422	630	7.2%
40.7%	8,307	9,014	706	8.5%
42.0%	8,254	8,801	547	6.6%
43.2%	8,201	8,754	553	6.7%
44.4%	8,142	8,749	607	7.5%
45.7%	8,060	8,473	413	5.1%
46.9%	7,975	8,426	451	5.7%
48.1%	7,958	8,353	396	5.0%
49.4%	7,777	8,321	544	7.0%
50.6%	7,676	8,076	400	5.2%
51.9%	7,578	8,049	471	6.2%
53.1%	7,548	7,830	282	3.7%
54.3%	7,510	7,794	284	3.8%
55.6%	7,421	7,783	362	4.9%
56.8%	7,402	7,531	129	1.7%
58.0%	7,259	7,424	165	2.3%
59.3%	7,050	7,414	364	5.2%
60.5%	6,893	7,161	268	3.9%
61.7%	6,811	7,113	302	4.4%
63.0%	6,800	7,054	254	3.7%
64.2%	6,706	6,958	251	3.7%
65.4%	6,692	6,777	85	1.3%
66.7%	6,673	6,708	35	0.5%
67.9%	6,666	6,653	-13	-0.2%
69.1%	6,647	6,512	-134	-2.0%
70.4%	6,502	6,465	-37	-0.6%
71.6%	6,424	6,400	-24	-0.4%
72.8%	6,229	6,129	-101	-1.6%
74.1%	6,075	6,089	14	0.2%
75.3%	5,938	6,055	116	2.0%
76.5%	5,531	6,016	485	8.8%
77.8%	5,481	5,878	397	7.2%
79.0%	5,472	5,746	274	5.0%
80.2%	5,452	5,429	-23	-0.4%
81.5%	5,436	5,397	-39	-0.7%
82.7%	5,301	5,315	14	0.3%
84.0%	5,241	5,110	-132	-2.5%
85.2%	5,146	5,054	-92	-1.8%
86.4%	5,117	5,026	-91	-1.8%
87.7%	5,088	4,975	-113	-2.2%
88.9%	4,976	4,703	-273	-5.5%
90.1%	4,833	4,627	-207	-4.3%
91.4%	4,612	4,197	-415	-9.0%
92.6%	4,485	4,114	-371	-8.3%
93.8%	4,396	4,069	-327	-7.4%
95.1%	4,124	4,033	-90	-2.2%
96.3%	3,972	4,032	60	1.5%
97.5%	3,906	4,030	124	3.2%
98.8%	3,883	4,019	136	3.5%
100.0%	3,689	4,018	329	8.9%

Percent Exceedance Probability	December		Absolute Difference (CFS)	Relative Difference (%)
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)		
0.0%	46,641	48,733	91	0.2%
1.2%	47,931	46,983	-1,838	-3.8%
2.5%	38,663	37,747	-916	-2.4%
3.7%	38,506	37,544	-963	-2.5%
4.9%	37,913	36,006	-1,907	-5.0%
6.2%	37,864	33,434	-4,430	-11.7%
7.4%	34,005	30,602	-3,403	-9.8%
8.6%	33,136	29,879	-3,257	-9.8%
9.9%	28,160	28,613	453	1.6%
11.1%	26,314	24,851	-1,463	-5.6%
12.3%	25,784	23,910	-1,874	-7.3%
13.6%	24,405	23,942	-463	-1.9%
14.8%	23,956	23,134	-822	-3.4%
16.0%	23,915	22,991	-924	-3.9%
17.3%	21,577	22,840	1,262	5.8%
18.5%	20,868	19,792	-1,077	-5.2%
19.8%	19,202	19,645	443	2.3%
21.0%	18,407	17,566	-841	-4.6%
22.2%	16,615	15,838	-777	-4.1%
23.5%	15,998	15,144	-855	-5.3%
24.7%	15,793	14,952	-841	-5.3%
25.9%	15,210	13,402	-1,808	-11.9%
27.2%	13,350	12,559	-791	-5.9%
28.4%	13,264	12,505	-759	-5.7%
29.6%	13,235	11,951	-1,284	-9.7%
30.9%	11,515	11,671	156	1.4%
32.1%	11,490	10,798	-692	-6.0%
33.3%	11,054	10,244	-809	-7.3%
34.6%	10,790	9,951	-839	-7.8%
35.8%	10,789	9,904	-885	-8.2%
37.0%	10,255	9,174	-1,080	-10.5%
38.3%	10,052	8,956	-1,096	-10.9%
39.5%	9,955	8,884	-1,071	-10.8%
40.7%	9,915	8,658	-1,256	-12.7%
42.0%	9,694	8,629	-1,065	-11.0%
43.2%	9,662	8,362	-1,300	-13.5%
44.4%	8,593	8,238	-347	-4.0%
45.7%	8,410	8,215	-195	-2.3%
46.9%	8,332	8,121	-211	-2.5%
48.1%	8,156	7,875	-281	-3.4%
49.4%	8,048	7,858	-190	-2.4%
50.6%	7,822	7,826	4	0.0%
51.9%	7,705	7,791	85	1.1%
53.1%	7,385	7,745	360	4.9%
54.3%	7,310	7,738	428	5.9%
55.6%	7,245	7,503	258	3.6%
56.8%	7,010	7,414	404	5.8%
58.0%	6,915	7,405	490	7.1%
59.3%	6,892	7,292	400	5.8%
60.5%	6,707	7,109	402	6.0%
61.7%	6,585	7,075	491	7.5%
63.0%	6,566	7,072	516	7.9%
64.2%	6,549	7,052	503	7.7%
65.4%	6,524	6,947	423	6.5%
66.7%	6,299	6,897	597	9.5%
67.9%	6,243	6,863	620	9.9%
69.1%	6,124	6,837	713	11.6%
70.4%	5,923	6,781	858	14.5%
71.6%	5,788	6,641	853	14.7%
72.8%	5,733	6,534	801	14.0%
74.1%	5,725	6,526	801	14.0%
75.3%	5,714	6,434	720	12.6%
76.5%	5,688	6,421	733	12.9%
77.8%	5,677	6,253	576	10.1%
79.0%	5,605	6,249	644	11.5%
80.2%	5,523	6,187	664	12.0%
81.5%	5,482	6,013	531	9.7%
82.7%	5,453	5,707	254	4.7%
84.0%	5,427	5,573	146	2.7%
85.2%	5,169	5,526	356	6.9%
86.4%	5,124	5,451	326	6.4%
87.7%	4,976	5,438	462	

Table SW-13-5b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

Percent Exceedance Probability	February			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	78,975	-2,576	-3.2%
1.2%	76,365	73,889	-2,476	-3.2%
2.5%	72,391	72,387	-4	0.0%
3.7%	69,933	69,930	-3	0.0%
4.9%	52,482	52,138	-344	-0.7%
6.2%	51,691	51,385	-306	-0.6%
7.4%	49,895	49,895	-1,817	-3.6%
8.6%	49,105	46,606	-2,499	-5.1%
9.9%	47,905	46,368	-1,537	-3.2%
11.1%	47,013	45,341	-1,672	-3.6%
12.3%	45,694	44,257	-1,437	-3.1%
13.6%	45,216	42,653	-2,563	-5.7%
14.8%	41,866	39,488	-2,378	-5.7%
16.0%	36,677	35,814	-863	-2.4%
17.3%	35,814	34,111	-1,703	-4.8%
18.5%	34,797	32,247	-2,550	-7.3%
19.8%	33,908	30,808	-2,562	-7.7%
21.0%	31,814	29,264	-2,550	-8.0%
22.2%	30,294	27,733	-2,561	-8.5%
23.5%	29,993	26,218	-2,774	-9.3%
24.7%	27,313	25,172	-2,140	-7.8%
25.9%	27,275	25,007	-2,268	-8.3%
27.2%	23,060	24,930	1,869	8.1%
28.4%	22,970	22,619	-351	-1.5%
29.6%	22,484	20,770	-1,714	-7.6%
30.9%	20,577	19,348	-1,229	-6.0%
32.1%	20,100	18,437	-1,663	-8.3%
33.3%	19,797	17,217	-2,580	-13.0%
34.6%	19,268	16,273	-2,995	-15.5%
35.8%	18,274	15,779	-2,495	-13.7%
37.0%	18,143	15,750	-2,393	-13.2%
38.3%	17,150	14,941	-2,209	-12.9%
39.5%	16,001	14,676	-1,325	-8.3%
40.7%	15,749	13,984	-1,765	-11.2%
42.0%	15,566	13,544	-2,021	-13.0%
43.2%	15,523	13,307	-2,215	-14.3%
44.4%	15,031	12,552	-2,479	-16.5%
45.7%	13,375	12,036	-1,340	-10.0%
46.9%	13,220	11,780	-1,440	-10.9%
48.1%	12,935	11,609	-1,327	-10.3%
49.4%	12,840	10,821	-2,020	-15.7%
50.6%	12,035	10,069	-1,966	-16.3%
51.9%	11,796	10,525	-1,271	-10.8%
53.1%	11,744	10,328	-1,416	-12.1%
54.3%	11,091	10,031	-1,060	-9.6%
55.6%	10,974	9,704	-1,271	-11.6%
56.8%	10,976	9,584	-1,292	-11.9%
58.0%	10,677	9,437	-1,240	-11.6%
59.3%	10,457	9,290	-1,167	-11.2%
60.5%	10,351	8,823	-1,528	-14.8%
61.7%	9,907	8,910	-1,097	-11.1%
63.0%	9,828	8,753	-1,075	-10.9%
64.2%	9,781	8,696	-1,085	-11.1%
65.4%	9,468	8,540	-928	-9.8%
66.7%	8,995	7,989	-1,006	-11.2%
67.9%	8,975	7,883	-1,092	-12.2%
69.1%	8,795	7,760	-1,035	-11.8%
70.4%	8,775	7,612	-1,163	-13.3%
71.6%	8,735	7,454	-1,281	-14.7%
72.8%	8,447	7,427	-1,020	-12.1%
74.1%	8,189	7,402	-787	-9.6%
75.3%	8,138	7,343	-795	-9.8%
76.5%	7,786	7,315	-470	-6.0%
77.8%	7,742	7,235	-507	-6.6%
79.0%	7,741	7,147	-594	-7.7%
80.2%	7,700	7,137	-563	-7.3%
81.5%	7,349	7,063	-286	-3.9%
82.7%	7,188	7,046	-141	-2.0%
84.0%	6,765	6,859	94	1.4%
85.2%	6,329	6,673	344	5.4%
86.4%	6,269	6,509	241	3.8%
87.7%	6,039	6,300	261	4.3%
88.9%	5,968	6,097	129	2.2%
90.1%	5,818	6,025	207	3.6%
91.4%	5,602	6,014	412	7.4%
92.6%	5,573	5,966	394	7.1%
93.8%	5,558	5,603	44	0.8%
95.1%	5,510	5,554	44	0.8%
96.3%	5,289	5,294	5	0.1%
97.5%	4,975	5,168	193	3.9%
98.8%	4,894	4,791	-103	-2.1%
100.0%	4,773	4,608	-165	-3.4%

Percent Exceedance Probability	March			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,964	3	0.0%
1.2%	73,686	73,680	-6	-0.0%
2.5%	59,064	55,164	-3,900	-6.6%
3.7%	53,953	52,087	-1,866	-3.5%
4.9%	52,087	51,947	-140	-0.3%
6.2%	44,292	38,774	-5,518	-12.5%
7.4%	37,412	37,412	-3,933	-10.5%
8.6%	36,276	32,349	-3,927	-10.8%
9.9%	33,130	29,225	-3,905	-11.8%
11.1%	30,981	27,075	-3,906	-12.6%
12.3%	29,603	25,696	-3,906	-13.2%
13.6%	26,653	23,659	-3,114	-11.7%
14.8%	25,621	22,558	-3,063	-11.9%
16.0%	24,215	20,530	-3,685	-15.2%
17.3%	22,756	20,309	-2,447	-10.8%
18.5%	22,699	18,796	-3,903	-17.2%
19.8%	22,558	18,339	-4,219	-18.7%
21.0%	22,393	18,306	-4,087	-18.3%
22.2%	21,243	17,831	-3,412	-16.1%
23.5%	20,945	17,644	-3,300	-15.8%
24.7%	20,604	16,897	-3,707	-19.0%
25.9%	19,929	15,630	-4,299	-21.6%
27.2%	18,519	15,247	-3,272	-17.7%
28.4%	17,441	14,852	-2,589	-14.8%
29.6%	17,384	14,837	-2,547	-14.7%
30.9%	17,191	14,051	-3,140	-18.3%
32.1%	16,128	13,729	-2,399	-14.9%
33.3%	15,708	12,299	-3,409	-21.7%
34.6%	15,322	11,777	-3,545	-23.1%
35.8%	15,177	11,130	-4,046	-26.7%
37.0%	14,154	10,783	-3,371	-23.8%
38.3%	13,811	10,633	-3,178	-23.0%
39.5%	10,260	10,260	-1,184	-11.5%
40.7%	12,987	10,153	-2,834	-21.8%
42.0%	12,302	8,897	-3,405	-27.7%
43.2%	12,206	8,672	-3,534	-29.0%
44.4%	12,124	8,670	-3,455	-28.5%
45.7%	11,686	8,493	-3,193	-27.3%
46.9%	11,555	8,367	-3,187	-27.6%
48.1%	11,428	8,151	-3,277	-28.7%
49.4%	11,398	8,098	-3,300	-29.0%
50.6%	11,068	7,906	-3,162	-28.6%
51.9%	10,827	7,737	-2,889	-27.2%
53.1%	10,509	7,643	-2,866	-27.3%
54.3%	10,481	7,571	-2,910	-27.8%
55.6%	10,182	7,457	-2,725	-26.8%
56.8%	9,911	7,142	-2,769	-27.9%
58.0%	9,800	6,947	-2,852	-29.1%
59.3%	9,794	6,858	-2,936	-30.0%
60.5%	9,707	6,810	-2,896	-29.8%
61.7%	9,324	6,743	-2,581	-27.7%
63.0%	9,306	6,716	-2,590	-27.8%
64.2%	9,011	6,682	-2,329	-25.8%
65.4%	8,943	6,655	-2,288	-25.6%
66.7%	8,936	6,623	-2,313	-25.9%
67.9%	8,896	6,621	-2,275	-25.6%
69.1%	8,833	6,590	-2,242	-25.4%
70.4%	8,703	6,402	-2,300	-26.4%
71.6%	8,385	6,283	-2,102	-25.1%
72.8%	8,353	6,272	-2,081	-24.9%
74.1%	8,024	6,116	-1,908	-23.8%
75.3%	8,022	6,022	-1,965	-24.6%
76.5%	7,810	6,011	-1,799	-23.0%
77.8%	7,768	5,960	-1,808	-23.3%
79.0%	7,359	5,928	-1,431	-19.4%
80.2%	7,096	5,869	-1,207	-17.0%
81.5%	6,802	5,724	-1,078	-15.8%
82.7%	6,709	5,706	-1,003	-14.9%
84.0%	6,665	5,702	-962	-14.4%
85.2%	6,622	5,689	-932	-14.1%
86.4%	6,590	5,504	-1,086	-16.5%
87.7%	6,490	5,489	-1,002	-15.4%
88.9%	6,400	5,422	-978	-15.3%
90.1%	5,898	5,317	-580	-9.8%
91.4%	5,830	5,232	-598	-10.3%
92.6%	5,468	5,198	-271	-4.9%
93.8%	5,428	5,175	-253	-4.7%
95.1%	5,234	5,171	-63	-1.2%
96.3%	5,191	5,059	-132	-2.6%
97.5%	5,175	4,847	-328	-6.3%
98.8%	5,065	4,615	-450	-8.9%
100.0%	4,620	4,226	-394	-8.5%

Percent Exceedance Probability	April			
	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	40,837	-3,402	-7.7%
1.2%	36,674	33,674	-3,000	-8.2%
2.5%	27,314	25,208	-2,107	-7.7%
3.7%	25,194	23,816	-1,278	-5.1%
4.9%	25,007	23,840	-1,167	-4.7%
6.2%	23,846	22,318	-1,528	-6.4%
7.4%	19,529	19,529	-9	0.0%
8.6%	19,343	17,076	-2,267	-11.7%
9.9%	18,754	16,418	-2,335	-12.5%
11.1%	18,235	15,791	-2,444	-13.4%
12.3%	17,795	15,505	-2,290	-12.9%
13.6%	17,076	14,618	-2,458	-14.4%
14.8%	16,115	14,170	-1,946	-12.1%
16.0%	15,551	12,826	-2,724	-17.5%
17.3%	15,481	12,789	-2,693	-17.4%
18.5%	15,306	12,661	-2,644	-17.3%
19.8%	15,135	12,144	-2,991	-19.8%
21.0%	14,991	11,983	-3,008	-20.1%
22.2%	13,107	11,860	-1,247	-9.5%
23.5%	12,660	11,538	-1,122	-8.9%
24.7%	11,600	8,825	-2,775	-23.9%
25.9%	10,957	8,739	-2,218	-20.2%
27.2%	9,279	8,642	-637	-6.9%
28.4%	9,094	8,582	-512	-5.6%
29.6%	8,897	8,312	-586	-6.6%
30.9%	8,837	8,266	-571	-6.5%
32.1%	8,742	8,250	-492	-5.6%
33.3%	8,619	7,652	-967	-11.2%
34.6%	8,552	7,600	-952	-11.1%
35.8%	8,381	7,287	-1,094	-13.1%
37.0%	8,341	7,201	-1,139	-13.7%
38.3%	8,197	7,174	-1,023	-12.5%
39.5%	8,079	6,630	-1,450	-17.9%
40.7%	7,763	6,600	-1,163	-15.0%
42.0%	7,693	6,417	-1,276	-16.6%
43.2%	7,567	6,406	-1,161	-15.2%
44.4%	7,460	6,394	-1,066	-14.3%
45.7%	7,366	6,393	-973	-13.2%
46.9%	7,334	6,262	-1,072	-14.6%
48.1%	7,155	6,256	-899	-12.6%
49.4%	7,143	6,193	-950	-13.3%
50.6%	7,058	6,110	-947	-13.4%
51.9%	7,029	6,049	-980	-13.9%
53.1%	6,897	5,941	-955	-13.9%
54.3%	6,874	5,803	-1,071	-15.6%
55.6%	6,858	5,669	-1,189	-17.3%
56.8%	6,779	5,549	-1,229	-16.7%
58.0%	6,710	5,645	-1,064	-15.9%
59.3%	6,696	5,632	-1,064	-15.9%
60.5%	6,664	5,627	-1,037	-15.6%
61.7%	6,639	5,521	-1,118	-16.8%
63.0%	6,532	5,477	-1,055	-16.1%
64.2%	6,524	5,471	-1,053	-16.1%
65.4%	6,505	5,432	-1,072	-16.5%
66.7%	6,392	5,401	-990	-15.5%
67.9%	6,314	5,361	-953	-15.1%
69.1%	6,308	5,220	-1,088	-17.2%
70.4%	6,165	5,200	-965	-15.7%
71.6%	6,133	5,143	-990	-16.1%
72.8%	6,027	5,113	-914	-15.2%
74.1%	6,020	5,081	-939	-15.6%
75.3%	5,971	5		