Table SW-27-7b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	3,878	541	16.2%
1.2%	2,727	3,202	475	17.4%
2.5%	2,572	2,993	422	16.4%
3.7%	2,503	2,692	189	7.5%
4.9%	2,265	2,630	364	16.1%
6.2%	2,035	2,316	281	13.8%
7.4%	1,999	2,265	266	13.3%
8.6%	1,841	2,250	409	22.2%
9.9%	1,712	2,114	402	23.5%
11.1%	1,690	2,102	412	24.4%
12.3%	1,687	2,041	354	21.0%
13.6%	1,654	2,035	381	23.1%
14.8%	1,640	2,032	392	23.9%
16.0%	1,597	2,012	415	26.0%
17.3%	1,567	1,873	307	19.6%
18.5%	1,563	1,700	137	8.7%
19.8%	1,534	1,694	160	10.4%
21.0%	1,500	1,676	176	11.8%
22.2%	1,500	1,645	145	9.7%
23.5%	1,500	1,644	144	9.6%
24.7%	1,500	1,622	122	8.1%
25.9%	1,500	1,616	116	7.7%
27.2%	1,500	1,589	89	5.9%
28.4%	1,500	1,558	58	3.8%
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	1,500	91	6.5%
81.5%	1,388	1,397	9	0.6%
82.7%	1,371	1,385	14	1.0%
84.0%	1,318	1,382	64	4.9%
85.2%	1,286	1,297	11	0.8%
86.4%	1,205	1,270	65	5.4%
87.7%	1,196	1,020	-176	-14.7%
88.9%	1,119	1,017	-102	-9.1%
90.1%	918	920	1	0.1%
91.4%	800	876	76	9.6%
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%	537	800	263	49.0%
100.0%	500	500	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	17,253	0	0.0%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	7,324	530	7.8%
4.9%	5,000	5,000	0	0.0%
6.2%	4,822	4,785	-37	-0.8%
7.4%	4,716	4,387	-329	-7.0%
8.6%	4,634	4,237	-397	-8.6%
9.9%	4,380	4,139	-240	-5.5%
11.1%	4,248	4,086	-162	-3.8%
12.3%	4,205	3,971	-234	-5.6%
13.6%	3,886	3,886	0	0.0%
14.8%	3,786	3,878	92	2.4%
16.0%	3,680	3,766	85	2.3%
17.3%	3,676	3,751	74	2.0%
18.5%	3,621	3,739	118	3.3%
19.8%	3,532	3,688	156	4.4%
21.0%	3,407	3,681	274	8.0%
22.2%	3,407	3,615	208	6.1%
23.5%	3,378	3,585	207	6.1%
24.7%	3,306	3,428	123	3.7%
25.9%	3,250	3,428	178	5.5%
27.2%	3,186	3,252	66	2.1%
28.4%	3,177	3,209	32	1.0%
29.6%	3,058	3,204	147	4.8%
30.9%	3,045	3,172	128	4.2%
32.1%	2,980	3,016	35	1.2%
33.3%	2,974	2,903	-70	-2.4%
34.6%	2,908	2,735	-173	-6.0%
35.8%	2,685	2,697	12	0.5%
37.0%	2,544	2,685	141	5.5%
38.3%	2,521	2,626	105	4.2%
39.5%	2,364	2,517	153	6.5%
40.7%	2,261	2,487	226	10.0%
42.0%	2,246	2,462	216	9.6%
43.2%	2,216	2,431	215	9.7%
44.4%	2,206	2,317	111	5.0%
45.7%	2,163	2,301	138	6.4%
46.9%	2,100	2,285	186	8.8%
48.1%	2,098	2,255	157	7.5%
49.4%	1,979	2,244	265	13.4%
50.6%	1,956	2,206	250	12.8%
51.9%	1,925	2,147	222	11.5%
53.1%	1,925	1,925	0	0.0%
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	1,833	18	1.0%
65.4%	1,773	1,815	42	2.4%
66.7%	1,683	1,770	87	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	1,615	104	6.9%
77.8%	1,442	1,575	132	9.2%
79.0%	1,428	1,560	131	9.2%
80.2%	1,409	1,504	95	6.7%
81.5%	1,388	1,397	9	0.6%
82.7%	1,371	1,382	11	0.8%
84.0%	1,286	1,352	66	5.1%
85.2%	1,205	1,270	65	5.4%
86.4%	1,196	1,249	53	4.4%
87.7%	985	1,020	34	3.5%
88.9%	800	1,017	217	27.1%
90.1%	800	876	76	9.6%
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	800	233	41.2%
100.0%	506	500	-6	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	20,023	217	1.1%
1.2%	16,694	16,694	0	0.0%
2.5%	15,826	16,167	341	2.2%
3.7%	15,819	15,819	0	0.0%
4.9%	13,854	13,850	-5	0.0%
6.2%	12,876	12,645	-231	-1.8%
7.4%	9,069	9,193	124	1.4%
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	6,379	657	11.5%
13.6%	5,079	5,051	-28	-0.5%
14.8%	4,368	4,865	497	11.4%
16.0%	4,345	4,742	397	9.1%
17.3%	4,340	4,131	-209	-4.8%
18.5%	3,325	3,761	435	13.1%
19.8%	3,291	3,458	167	5.1%
21.0%	2,909	3,315	406	14.0%
22.2%	2,828	3,029	201	7.1%
23.5%	2,466	2,909	443	17.9%
24.7%	2,388	2,466	79	3.3%
25.9%	2,287	2,307	20	0.9%
27.2%	2,156	2,226	69	3.2%
28.4%	2,091	2,118	27	1.3%
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	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	2,000	114	6.0%
67.9%	1,750	1,886	136	7.8%
69.1%	1,750	1,840	90	5.1%
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	1,602	159	11.0%
77.8%	1,428	1,581	153	10.7%
79.0%	1,409	1,505	96	6.8%
80.2%	1,388	1,397	9	0.6%
81.5%	1,371	1,382	11	0.8%
82.7%	1,286	1,352	66	5.1%
84.0%	1,205	1,270	65	5.4%
85.2%	1,196	1,249	53	4.4%
86.4%	1,184	1,020	-165	-13.9%
87.7%	884	1,017	133	15.0%
88.9%	800	876	76	9.6%
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%	519	517	-1	-0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,335	31,335	0	0.0%
1.2%	20,373	20,373	0	0.0%
2.5%	17,680	17,665	-15	-0.1%
3.7%	15,659	15,768	109	0.7%
4.9%	14,688	15,659	971	6.6%
6.2%	13,013	13,013	0	0.0%
7.4%	11,631	11,631	0	0.0%
8.6%	10,783	10,783	0	0.0%
9.9%	10,424	10,535	111	1.1%
11.1%	10,105	10,105	0	0.0%
12.3%	9,283	9,280	-3	0.0%
13.6%	9,138	9,138	0	0.0%
14.8%	8,914	8,914	0	0.0%
16.0%	7,889	7,884	-5	-0.1%
17.3%	7,553	7,429	-124	-1.6%
18.5%	6,772	6,532	-240	-3.5%
19.8%	6,713	6,468	-245	-3.6%
21.0%	6,262	6,262	0	0.0%
22.2%	5,887	5,900	13	0.2%
23.5%	5,724	5,724	0	0.0%
24.7%	5,483	5,511	28	0.5%
25.9%	5,086	5,483	397	7.8%
27.2%	5,013	5,068	54	1.1%
28.4%	4,879	4,695	-185	-3.8%
29.6%	4,702	4,454	-248	-5.3%
30.9%	4,454	4,212	-242	-5.4%
32.1%	4,017	4,007	-10	-0.3%
33.3%	3,589	3,542	-47	-1.3%
34.6%	3,465	3,508	43	1.2%
35.8%	3,450	3,488	38	1.1%
37.0%	2,889	2,820	-69	-2.4%
38.3%	2,849	2,812	-36	-1.3%
39.5%	2,764	2,764	0	0.0%
40.7%	2,590	2,744	154	6.0%
42.0%	2,538	2,505	-32	-1.3%
43.2%	2,441	2,142	-299	-12.2%
44.4%	2,099	2,138	39	1.9%
45.7%	1,818	1,983	165	9.1%
46.9%	1,780	1,915	135	7.6%
48.1%	1,750	1,880	130	7.4%
49.4%	1,750	1,844	94	5.3%
50.6%	1,750	1,762	12	0.7%
51.9%	1,750	1,750	0	0.0%
53.1%	1,728	1,750	22	1.2%
54.3%	1,700	1,750	50	2.9%
55.6%	1,700	1,745	45	2.7%
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	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,603	1,700	97	6.0%
80.2%	1,532	1,603	72	4.7%
81.5%	1,488	1,602	114	7.7%
82.7%	1,388	1,488	100	7.2%
84.0%	1,387	1,488	100	7.2%
85.2%	1,356	1,488	131	9.7%
86.4%	1,288	1,382	94	7.3%
87.7%	1,214	1,187	-27	-2.2%
88.9%	1,093	1,080	-13	-1.2%
90.1%	972	1,061	89	9.2%
91.4%	800	1,017	217	27.1%
92.6%	800	867	67	8.3%
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%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-27-7b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,184	32,176	-7	0.0%
1.2%	15,713	15,708	-5	0.0%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,474	7	0.1%
4.9%	13,432	13,434	2	0.0%
6.2%	13,208	13,192	-16	-0.1%
7.4%	12,504	12,437	-68	-0.5%
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	10,034	0	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	8,067	0	0.0%
22.2%	7,930	7,930	0	0.0%
23.5%	7,769	7,722	-47	-0.6%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,121	-4	0.0%
27.2%	6,827	6,586	-241	-3.5%
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	5,484	-68	-1.2%
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	-242	-5.0%
40.7%	4,593	4,416	-178	-3.9%
42.0%	4,471	4,320	-151	-3.4%
43.2%	4,416	4,316	-99	-2.2%
44.4%	4,316	4,063	-253	-5.9%
45.7%	4,063	3,382	-681	-16.8%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,020	-370	-10.9%
49.4%	3,005	3,012	6	0.2%
50.6%	2,927	2,951	24	0.8%
51.9%	2,802	2,838	36	1.3%
53.1%	2,548	2,752	204	8.0%
54.3%	2,476	2,528	52	2.1%
55.6%	2,471	2,472	1	0.0%
56.8%	2,260	2,426	166	7.4%
58.0%	1,869	2,339	470	25.2%
59.3%	1,864	2,260	396	21.2%
60.5%	1,863	1,830	-33	-1.8%
61.7%	1,822	1,750	-72	-3.9%
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	1,700	-50	-2.9%
67.9%	1,700	1,667	-33	-2.0%
69.1%	1,521	1,648	127	8.3%
70.4%	1,445	1,445	0	0.0%
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	1,382	19	1.4%
86.4%	1,264	1,363	98	7.8%
87.7%	1,179	1,264	85	7.2%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,264	170	15.5%
91.4%	1,033	1,017	-16	-1.6%
92.6%	1,032	1,009	-23	-2.2%
93.8%	929	918	-11	-1.2%
95.1%	800	902	102	12.8%
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%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,578	16,578	0	0.0%
1.2%	15,964	15,964	0	0.0%
2.5%	11,993	12,507	514	4.3%
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	10,573	2	0.0%
8.6%	8,949	8,949	0	0.0%
9.9%	7,799	8,405	606	7.8%
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	5,552	-3	-0.1%
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	4,403	-56	-1.3%
25.9%	4,407	4,373	-34	-0.8%
27.2%	4,379	4,336	-43	-1.0%
28.4%	4,336	4,296	-40	-0.9%
29.6%	4,178	4,178	0	0.0%
30.9%	4,113	4,113	0	0.0%
32.1%	4,073	4,069	-4	-0.1%
33.3%	3,946	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	3,165	63	2.0%
43.2%	3,100	3,098	-3	-0.1%
44.4%	3,022	3,096	74	2.5%
45.7%	2,979	2,989	10	0.3%
46.9%	2,932	2,932	0	0.0%
48.1%	2,618	2,619	1	0.0%
49.4%	2,500	2,518	18	0.7%
50.6%	2,377	2,487	110	4.6%
51.9%	2,190	2,422	232	10.6%
53.1%	2,085	2,377	293	14.0%
54.3%	2,010	2,364	355	17.6%
55.6%	1,996	2,084	88	4.4%
56.8%	1,969	2,010	41	2.1%
58.0%	1,872	1,995	123	6.6%
59.3%	1,854	1,969	115	6.2%
60.5%	1,750	1,872	122	7.0%
61.7%	1,750	1,752	2	0.1%
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	1,417	-28	-1.9%
75.3%	1,264	1,264	0	0.0%
76.5%	1,179	1,264	85	7.2%
77.8%	1,143	1,137	-5	-0.5%
79.0%	1,123	1,131	8	0.7%
80.2%	1,098	1,109	11	1.0%
81.5%	1,095	1,059	-36	-3.3%
82.7%	1,032	1,009	-23	-2.2%
84.0%	1,001	981	-19	-1.9%
85.2%	979	924	-54	-5.6%
86.4%	958	922	-36	-3.8%
87.7%	929	918	-11	-1.2%
88.9%	895	868	-27	-3.0%
90.1%	884	854	-30	-3.4%
91.4%	838	819	-19	-2.3%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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%	6,728	6,732	4	0.1%
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	4,614	-43	-0.9%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,357	-150	-3.3%
25.9%	4,212	4,345	133	3.2%
27.2%	4,208	4,211	3	0.1%
28.4%	4,179	4,179	0	0.0%
29.6%	4,153	4,176	24	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	4,112	410	11.1%
35.8%	3,594	3,927	333	9.3%
37.0%	3,332	3,679	347	10.4%
38.3%	3,122	3,594	472	15.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,122	228	7.9%
42.0%	2,781	2,893	113	4.1%
43.2%	2,758	2,886	128	4.6%
44.4%	2,746	2,781	35	1.3%
45.7%	2,686	2,758	71	2.7%
46.9%	2,677	2,675	-3	-0.1%
48.1%	2,668	2,668	0	0.0%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,527	147	6.2%
51.9%	2,357	2,375	18	0.8%
53.1%	2,240	2,340	100	4.4%
54.3%	2,202	2,284	83	3.8%
55.6%	2,112	2,240	128	6.1%
56.8%	2,058	2,112	55	2.7%
58.0%	2,032	2,025	-7	-0.4%
59.3%	1,926	2,018	92	4.8%
60.5%	1,873	1,992	119	6.3%
61.7%	1,754	1,926	172	9.8%
63.0%	1,750	1,765	15	0.8%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,731	1,750	19	1.1%
67.9%	1,720	1,700	-20	-1.2%
69.1%	1,700	1,694	-6	-0.4%
70.4%	1,637	1,690	53	3.2%
71.6%	1,445	1,507	62	4.3%
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%	1,388	1,396	8	0.6%
80.2%	1,386	1,382	-4	-0.3%
81.5%	1,318	1,376	58	4.4%
82.7%	1,264	1,264	0	0.0%
84.0%	1,179	1,137	-42	-3.5%
85.2%	1,143	1,109	-33	-2.9%
86.4%	1,098	1,059	-40	-3.6%
87.7%	1,088	1,046	-42	-3.9%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	-0.1%
91.4%	958	1,000	42	4.4%
92.6%	929	991	62	6.7%
93.8%	895	981	87	9.7%
95.1%	884	973	89	10.1%
96.3%	800	918	118	14.7%
97.5%	800	845	45	5.6%
98.8%	800	800	0	0.0%
100.0%	357	513	156	43.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,266	11,266	0	0.0%
1.2%	11,119	11,119	0	0.0%
2.5%	10,196	10,196	0	0.0%
3.7%	9,745	9,745	0	0.0%
4.9%	9,307	9,307	0	0.0%
6.2%	9,099	9,099	0	0.0%
7.4%	9,049	9,049	0	0.0%
8.6%	8,905	8,905	0	0.0%
9.9%	8,114	8,114	0	0.0%
11.1%	8,002	8,002	0	0.0%
12.3%	6,831	6,831	0	0.0%
13.6%	6,635	6,635	0	0.0%
14.8%	6,428	6,428	0	0.0%
16.0%	6,123	6,123	0	0.0%
17.3%	5,126	5,096	-30	-0.6%
18.5%	4,892	4,892	0	0.0%
19.8%	4,834	4,834	0	0.0%
21.0%	4,760	4,760	0	0.0%
22.2%	4,687	4,687	0	0.0%
23.5%	4,563	4,563	0	0.0%
24.7%	4,453	4,453	0	0.0%
25.9%	4,291	4,290	-1	0.0%
27.2%	4,273	4,253	-20	-0.5%
28.4%	4,064	4,028	-36	-0.9%
29.6%	4,026	4,026	0	0.0%
30.9%	3,958	3,974	16	0.4%
32.1%	3,810	3,810	0	0.0%
33.3%	3,805	3,805	0	0.0%
34.6%	3,665	3,665	0	0.0%
35.8%	3,550	3,550	0	0.0%
37.0%	3,473	3,473	0	0.0%
38.3%	3,415	3,371	-44	-1.3%
39.5%	3,399	3,354	-45	-1.3%
40.7%	3,371	3,345	-26	-0.8%
42.0%	3,354	3,277	-76	-2.3%
43.2%	3,345	3,225	-120	-3.6%
44.4%	3,277	3,103	-174	-5.3%
45.7%	3,267	3,071	-196	-6.0%
46.9%	2,995	3,020	25	0.8%
48.1%	2,894	2,894	0	0.0%
49.4%	2,853	2,851	-1	-0.1%
50.6%	2,709	2,709	0	0.0%
51.9%	2,575	2,575	0	0.0%
53.1%	2,508	2,504	-3	-0.1%
54.3%	2,394	2,394	0	0.0%
55.6%	2,287	2,286	-1	-0.1%
56.8%	2,204	2,204	0	0.0%
58.0%	1,970	1,970	0	0.0%
59.3%	1,900	1,750	-150	-7.9%
60.5%	1,750	1,750	0	0.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,716	-34	-1.9%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,460	1,472	12	0.8%
67.9%	1,445	1,445	0	0.0%
69.1%	1,445	1,445	0	0.0%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,388	1,417	30	2.1%
75.3%	1,386	1,382	-4	-0.3%
76.5%	1,284	1,376	91	7.1%
77.8%	1,281	1,362	80	6.3%
79.0%	1,179	1,264	85	7.2%
80.2%	1,174	1,264	90	7.7%
81.5%	1,153	1,264	112	9.7%
82.7%	1,143	1,250	107	9.4%
84.0%	1,123	1,250	127	11.3%
85.2%	1,111	1,250	139	12.5%
86.4%	1,098	1,250	152	13.8%
87.7%	1,032	1,161	129	12.5%
88.9%	1,001	1,137	137	13.7%
90.1%	1,001	1,109	109	10.9%
91.4%	958	1,108	150	15.7%
92.6%	929	1,059	130	14.0%
93.8%	895	1,005	110	12.3%
95.1%	884	981	98	11.0%
96.3%	800	918	118	14.7%
97.5%	800	859	59	7.3%
98.8%	800	800	0	0.0%
100.0%	305	513	208	67.9%

Table SW-27-7b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	4,999	-1	0.0%
21.0%	4,834	4,781	-53	-1.1%
22.2%	4,781	4,732	-49	-1.0%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,414	-186	-4.1%
27.2%	4,595	4,234	-361	-7.8%
28.4%	4,133	4,152	19	0.5%
29.6%	3,950	4,007	57	1.5%
30.9%	3,918	3,807	-111	-2.8%
32.1%	3,807	3,364	-443	-11.6%
33.3%	3,802	3,295	-508	-13.3%
34.6%	3,433	3,185	-248	-7.2%
35.8%	3,364	3,151	-213	-6.3%
37.0%	3,168	3,017	-151	-4.8%
38.3%	3,047	2,994	-54	-1.8%
39.5%	3,004	2,952	-52	-1.7%
40.7%	2,994	2,900	-94	-3.1%
42.0%	2,952	2,875	-77	-2.6%
43.2%	2,906	2,859	-48	-1.6%
44.4%	2,900	2,745	-155	-5.3%
45.7%	2,810	2,606	-204	-7.3%
46.9%	2,764	2,604	-160	-5.8%
48.1%	2,746	2,572	-175	-6.4%
49.4%	2,723	2,460	-263	-9.7%
50.6%	2,673	2,422	-251	-9.4%
51.9%	2,630	2,250	-380	-14.4%
53.1%	2,605	2,229	-376	-14.4%
54.3%	2,521	2,187	-334	-13.2%
55.6%	2,470	2,099	-371	-15.0%
56.8%	2,465	2,096	-368	-14.9%
58.0%	2,374	2,013	-361	-15.2%
59.3%	2,311	2,009	-302	-13.1%
60.5%	2,256	1,982	-273	-12.1%
61.7%	2,238	1,961	-277	-12.4%
63.0%	2,158	1,932	-226	-10.5%
64.2%	2,099	1,871	-229	-10.9%
65.4%	2,009	1,750	-259	-12.9%
66.7%	1,972	1,750	-222	-11.2%
67.9%	1,752	1,750	-2	-0.1%
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%	1,730	1,750	20	1.2%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,750	76	4.5%
84.0%	1,488	1,619	132	8.9%
85.2%	1,452	1,540	89	6.1%
86.4%	1,312	1,506	193	14.7%
87.7%	1,257	1,487	230	18.3%
88.9%	1,211	1,470	259	21.4%
90.1%	1,145	1,359	214	18.7%
91.4%	1,073	1,115	42	3.9%
92.6%	1,060	1,014	-46	-4.3%
93.8%	980	999	19	1.9%
95.1%	964	981	17	1.8%
96.3%	743	835	91	12.3%
97.5%	743	774	31	4.2%
98.8%	599	627	28	4.7%
100.0%	357	443	85	23.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,000	-41	-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	5,000	0	0.0%
14.8%	5,000	5,000	0	0.0%
16.0%	5,000	4,999	-1	0.0%
17.3%	5,000	4,930	-70	-1.4%
18.5%	5,000	4,678	-322	-6.4%
19.8%	5,000	4,595	-405	-8.1%
21.0%	5,000	4,418	-582	-11.6%
22.2%	5,000	4,352	-648	-13.0%
23.5%	5,000	4,344	-656	-13.1%
24.7%	5,000	4,323	-677	-13.5%
25.9%	5,000	4,307	-693	-13.9%
27.2%	5,000	4,292	-708	-14.2%
28.4%	5,000	4,114	-886	-17.7%
29.6%	5,000	4,092	-908	-18.2%
30.9%	5,000	4,073	-927	-18.5%
32.1%	4,980	3,968	-1,012	-20.3%
33.3%	4,906	3,947	-959	-19.5%
34.6%	4,728	3,932	-796	-16.8%
35.8%	4,677	3,864	-813	-17.4%
37.0%	4,652	3,845	-807	-17.4%
38.3%	4,600	3,799	-800	-17.4%
39.5%	4,595	3,744	-850	-18.5%
40.7%	4,572	3,689	-884	-19.3%
42.0%	4,539	3,554	-985	-21.7%
43.2%	4,395	3,363	-1,032	-23.5%
44.4%	4,117	3,348	-768	-18.7%
45.7%	4,073	3,289	-784	-19.3%
46.9%	3,937	3,269	-668	-17.0%
48.1%	3,930	3,246	-684	-17.4%
49.4%	3,864	3,190	-674	-17.5%
50.6%	3,691	3,096	-595	-16.1%
51.9%	3,616	3,091	-525	-14.5%
53.1%	3,572	3,052	-520	-14.6%
54.3%	3,571	3,035	-536	-15.0%
55.6%	3,399	3,035	-364	-10.7%
56.8%	3,393	3,008	-385	-11.3%
58.0%	3,295	2,992	-303	-9.2%
59.3%	3,217	2,967	-250	-7.8%
60.5%	3,114	2,947	-167	-5.4%
61.7%	3,107	2,897	-211	-6.8%
63.0%	3,096	2,891	-205	-6.6%
64.2%	3,030	2,856	-174	-5.7%
65.4%	3,017	2,832	-185	-6.1%
66.7%	2,982	2,810	-172	-5.8%
67.9%	2,967	2,807	-160	-5.4%
69.1%	2,947	2,788	-159	-5.4%
70.4%	2,897	2,750	-147	-5.1%
71.6%	2,868	2,750	-118	-4.1%
72.8%	2,810	2,750	-60	-2.1%
74.1%	2,788	2,724	-63	-2.3%
75.3%	2,775	2,666	-109	-3.9%
76.5%	2,724	2,577	-147	-5.4%
77.8%	2,687	2,564	-123	-4.6%
79.0%	2,666	2,553	-113	-4.2%
80.2%	2,564	2,513	-51	-2.0%
81.5%	2,498	2,417	-81	-3.2%
82.7%	2,447	2,250	-197	-8.0%
84.0%	2,136	2,250	114	5.3%
85.2%	2,122	2,250	128	6.0%
86.4%	1,915	2,147	232	12.1%
87.7%	1,818	1,603	-215	-11.8%
88.9%	1,695	1,582	-113	-6.7%
90.1%	1,683	1,460	-223	-13.3%
91.4%	1,605	1,453	-152	-9.4%
92.6%	1,461	1,371	-90	-6.2%
93.8%	1,383	1,348	-35	-2.5%
95.1%	856	1,335	479	56.0%
96.3%	811	1,117	306	37.7%
97.5%	745	1,063	319	42.8%
98.8%	496	711	215	43.3%
100.0%	362	428	66	18.2%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,457	4,460	3	0.1%
1.2%	4,354	4,457	104	2.4%
2.5%	4,266	4,271	6	0.1%
3.7%	4,256	4,256	0	0.0%
4.9%	4,130	4,130	0	0.0%
6.2%	4,081	4,081	0	0.0%
7.4%	4,049	4,049	0	0.0%
8.6%	4,024	4,017	-7	-0.2%
9.9%	4,017	4,014	-4	-0.1%
11.1%	4,014	3,982	-32	-0.8%
12.3%	3,982	3,977	-5	-0.1%
13.6%	3,977	3,972	-5	-0.1%
14.8%	3,972	3,909	-64	-1.6%
16.0%	3,892	3,892	0	0.0%
17.3%	3,823	3,767	-56	-1.5%
18.5%	3,679	3,603	-76	-2.1%
19.8%	3,653	3,586	-67	-1.8%
21.0%	3,475	3,542	67	1.9%
22.2%	3,445	3,464	19	0.6%
23.5%	3,405	3,432	27	0.8%
24.7%	3,402	3,371	-31	-0.9%
25.9%	3,401	3,320	-81	-2.4%
27.2%	3,264	3,314	49	1.5%
28.4%	3,244	3,181	-63	-2.0%
29.6%	3,222	3,171	-51	-1.6%
30.9%	3,163	3,155	-8	-0.2%
32.1%	3,156	3,031	-125	-4.0%
33.3%	2,964	3,015	51	1.7%
34.6%	2,908	2,993	86	2.9%
35.8%	2,906	2,984	78	2.7%
37.0%	2,849	2,970	120	4.2%
38.3%	2,824	2,893	69	2.4%
39.5%	2,762	2,849	87	3.2%
40.7%	2,680	2,848	168	6.3%
42.0%	2,674	2,764	90	3.4%
43.2%	2,671	2,746	75	2.8%
44.4%	2,664	2,742	79	3.0%
45.7%	2,637	2,670	33	1.3%
46.9%	2,589	2,627	38	1.5%
48.1%	2,497	2,577	80	3.2%
49.4%	2,494	2,572	78	3.1%
50.6%	2,422	2,492	71	2.9%
51.9%	2,378	2,368	-10	-0.4%
53.1%	2,364	2,324	-41	-1.7%
54.3%	2,352	2,250	-102	-4.3%
55.6%	2,339	2,250	-89	-3.8%
56.8%	2,308	2,223	-85	-3.7%
58.0%	2,305	2,068	-237	-10.3%
59.3%	2,286	2,057	-229	-10.0%
60.5%	2,249	2,045	-204	-9.1%
61.7%	2,232	2,000	-232	-10.4%
63.0%	2,133	2,000	-133	-6.2%
64.2%	1,997	2,000	3	0.2%
65.4%	1,979	2,000	21	1.1%
66.7%	1,910	1,913	3	0.1%
67.9%	1,902	1,866	-37	-1.9%
69.1%	1,750	1,860	110	6.3%
70.4%	1,750	1,858	108	6.2%
71.6%	1,750	1,857	107	6.1%
72.8%	1,750	1,850	100	5.7%
74.1%	1,750	1,779	29	1.6%
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	1,665	312	23.0%
81.5%	1,339	1,583	244	18.3%
82.7%	1,312	1,546	234	17.8%
84.0%	1,288	1,543	255	19.8%
85.2%	1,263	1,268	5	0.4%
86.4%	1,190	1,249	59	5.0%
87.7%	982	1,245	263	26.7%
88.9%	980	1,137	157	16.0%
90.1%	965	1,094	129	13.4%
91.4%	964	1,059	95	9.8%
92.6%	899	996	98	10.9%
93.8%	807	978	171	21.1%
95.1%	800	946	146	18.2%
96.3%	800	905	105	13.1%
97.5%	743	714	-30	-4.0%
98.8%	679	700	21	3.1%
100.0%	250	460	210	84.0%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	4,633	-367	-7.3%
2.5%	5,000	4,616	-384	-7.7%
3.7%	5,000	4,576	-424	-8.5%
4.9%	4,997	4,505	-491	-9.8%
6.2%	4,953	4,415	-538	-10.9%
7.4%	4,918	4,373	-545	-11.1%
8.6%	4,843	4,312	-531	-11.0%
9.9%	4,723	4,276	-447	-9.5%
11.1%	4,718	4,275	-443	-9.4%
12.3%	4,670	4,264	-406	-8.7%
13.6%	4,505	4,216	-289	-6.4%
14.8%	4,486	4,114	-372	-8.3%
16.0%	4,413	4,055	-358	-8.1%
17.3%	4,373	4,033	-340	-7.8%
18.5%	4,316	4,032	-284	-6.6%
19.8%	4,313	4,015	-298	-6.9%
21.0%	4,276	4,004	-272	-6.4%
22.2%	4,233	4,003	-230	-5.4%
23.5%	4,231	3,998	-233	-5.5%
24.7%	4,198	3,984	-214	-5.1%
25.9%	4,188	3,981	-207	-4.9%
27.2%	4,062	3,969	-93	-2.3%
28.4%	3,981	3,953	-29	-0.7%
29.6%	3,926	3,908	-19	-0.5%
30.9%	3,912	3,877	-36	-0.9%
32.1%	3,878	3,833	-45	-1.1%
33.3%	3,651	3,766	114	3.1%
34.6%	3,556	3,743	187	5.3%
35.8%	3,296	3,714	418	12.7%
37.0%	3,013	3,600	587	19.5%
38.3%	2,988	3,416	428	14.3%
39.5%	2,949	3,364	415	14.1%
40.7%	2,832	3,182	350	12.4%
42.0%	2,802	3,146	344	12.3%
43.2%	2,800	2,699	-101	-3.6%
44.4%	2,642	2,670	29	1.1%
45.7%	2,571	2,656	85	3.3%
46.9%	2,563	2,647	83	3.3%
48.1%	2,507	2,641	133	5.3%
49.4%	2,322	2,630	308	13.3%
50.6%	2,249	2,511	262	11.7%
51.9%	2,240	2,470	230	10.3%
53.1%	2,087	2,338	251	12.0%
54.3%	2,063	2,220	157	7.6%
55.6%	2,032	2,150	118	5.8%
56.8%	2,026	2,138	112	5.5%
58.0%	2,025	2,083	58	2.8%
59.3%	1,992	1,982	-9	-0.5%
60.5%	1,982	1,973	-9	-0.5%
61.7%	1,950	1,957	7	0.4%
63.0%	1,882	1,842	-40	-2.1%
64.2%	1,881	1,650	-231	-12.3%
65.4%	1,804	1,650	-154	-8.5%
66.7%	1,801	1,650	-151	-8.4%
67.9%	1,750	1,650	-100	-5.7%
69.1%	1,648	1,541	-107	-6.5%
70.4%	1,534	1,533	-1	-0.1%
71.6%	1,533	1,533	0	0.0%
72.8%	1,533	1,528	-5	-0.3%
74.1%	1,533	1,521	-12	-0.8%
75.3%	1,519	1,474	-45	-3.0%
76.5%	1,496	1,396	-100	-6.7%
77.8%	1,487	1,361	-126	-8.5%
79.0%	1,353	1,327	-26	-1.9%
80.2%	1,312	1,301	-11	-0.9%
81.5%	1,143	1,273	131	11.4%
82.7%	1,123	1,269	146	13.0%
84.0%	1,007	1,245	238	23.6%
85.2%	980	1,139	159	16.2%
86.4%	964	1,137	174	18.0%
87.7%	946	1,078	131	13.9%
88.9%	899	1,037	138	15.4%
90.1%	884	1,031	147	16.6%
91.4%	807	1,020	212	26.3%
92.6%	800	985	185	23.2%
93.8%	800	981	181	22.7%
95.1%	800	905	105	13.1%
96.3%	743	800	57	7.6%
97.5%	569	800	231	40.6%
98.8%	476	643	166	34.9%
100.0%	383	402	19	5.1%

Table SW-28-7a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 C	1,516	2,745	3,263	4,315	4,962	3,632	3,224	3,403	3,365	3,256	2,457	2,582
Difference	88	62	66	22	-14	35	49	16	-80	-306	36	-25
Percent Difference[3]	6.1%	2.3%	2.1%	0.5%	-0.3%	1.0%	1.5%	0.5%	-2.3%	-8.6%	1.5%	-1.0%
	Water Year Types[2]											
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 C	1,783	3,967	3,548	8,582	8,980	5,928	5,093	5,875	5,698	3,465	3,361	3,896
Difference	235	129	12	53	-9	-1	0	0	21	-335	175	-318
Percent Difference	15.2%	3.4%	0.3%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-8.8%	5.5%	-7.6%
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 C	1,467	2,783	2,961	4,603	6,108	5,282	3,359	3,573	3,110	4,106	2,537	2,863
Difference	14	103	133	153	-5	46	-6	-3	-64	-232	-9	-152
Percent Difference	1.0%	3.8%	4.7%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.0%	-5.4%	-0.4%	-5.0%
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 C	1,599	3,375	3,960	2,238	3,963	2,300	3,042	2,783	2,513	3,925	2,254	2,561
Difference	15	83	55	34	-105	-7	137	54	-49	-839	-53	572
Percent Difference	1.0%	2.5%	1.4%	1.5%	-2.6%	-0.3%	4.7%	2.0%	-1.9%	-17.6%	-2.3%	28.8%
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 C	1,483	1,682	4,116	1,526	1,735	2,028	1,834	1,676	2,170	3,073	2,064	1,558
Difference	105	-28	152	-120	31	82	-6	25	-137	-113	-168	34
Percent Difference	7.6%	-1.6%	3.8%	-7.3%	1.8%	4.2%	-0.3%	1.5%	-5.9%	-3.5%	-7.5%	2.2%
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 C	935	918	854	1,385	1,117	966	1,335	1,189	1,353	1,448	1,246	1,017
Difference	-99	-15	2	22	6	84	191	12	-267	15	187	-50
Percent Difference	-9.6%	-1.6%	0.2%	1.6%	0.6%	9.5%	16.7%	1.0%	-16.5%	1.1%	17.7%	-4.7%

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-28-7b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

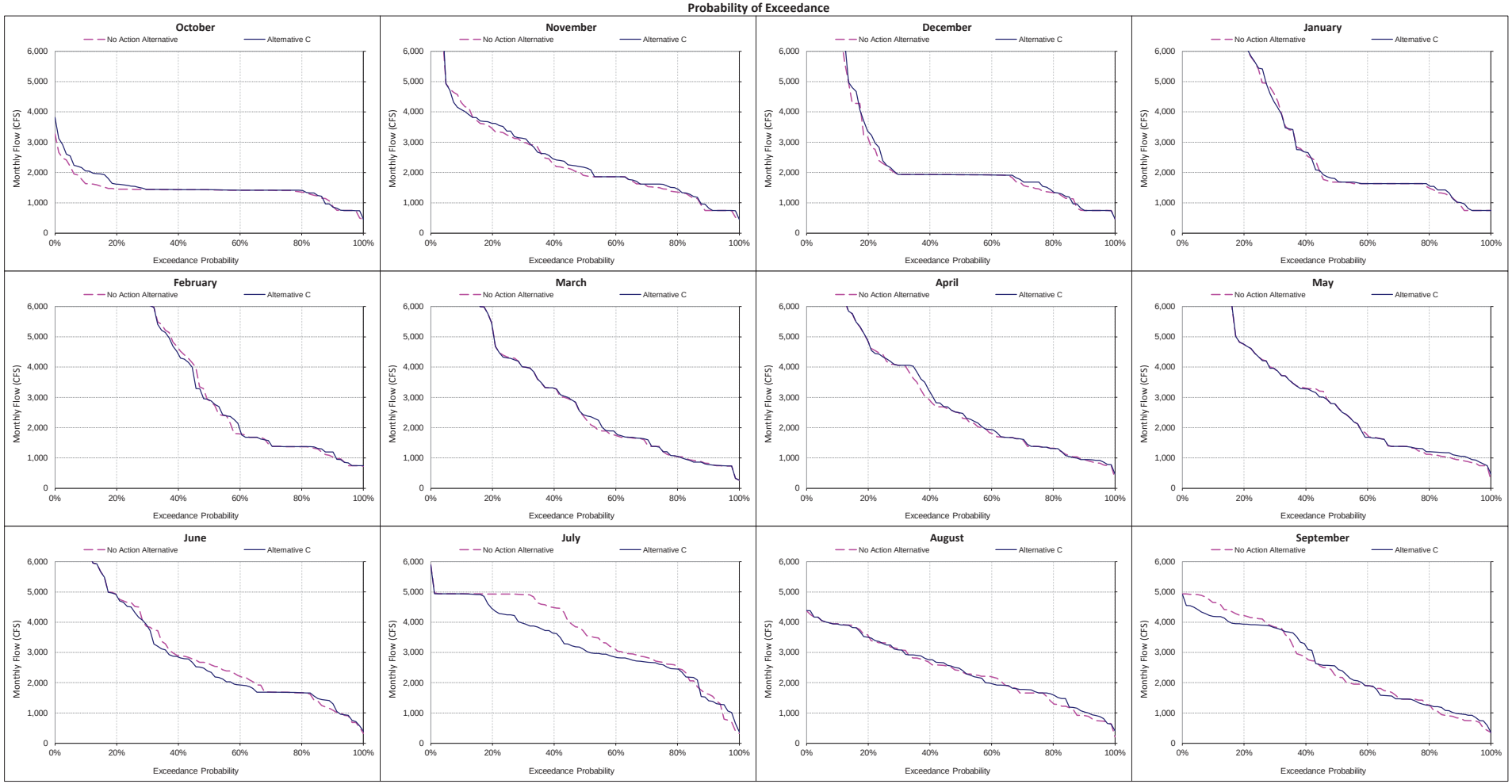

Table SW-28-7b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	3,816	544	16.6%
1.2%	2,666	3,122	456	17.1%
2.5%	2,480	2,923	442	17.8%
3.7%	2,414	2,609	195	8.1%
4.9%	2,202	2,544	342	15.5%
6.2%	1,948	2,234	286	14.7%
7.4%	1,917	2,203	287	15.0%
8.6%	1,776	2,162	386	21.7%
9.9%	1,629	2,052	423	26.0%
11.1%	1,623	2,040	417	25.7%
12.3%	1,617	1,976	359	22.2%
13.6%	1,589	1,959	370	23.3%
14.8%	1,549	1,948	399	25.8%
16.0%	1,518	1,930	412	27.2%
17.3%	1,477	1,798	321	21.7%
18.5%	1,476	1,644	168	11.4%
19.8%	1,452	1,615	163	11.2%
21.0%	1,450	1,609	159	11.0%
22.2%	1,448	1,589	140	9.7%
23.5%	1,447	1,575	128	8.8%
24.7%	1,446	1,551	105	7.2%
25.9%	1,439	1,539	100	7.0%
27.2%	1,439	1,511	72	5.0%
28.4%	1,439	1,487	48	3.3%
29.6%	1,439	1,442	3	0.2%
30.9%	1,438	1,441	3	0.2%
32.1%	1,437	1,441	4	0.3%
33.3%	1,437	1,440	4	0.2%
34.6%	1,436	1,440	4	0.2%
35.8%	1,436	1,439	3	0.2%
37.0%	1,436	1,439	3	0.2%
38.3%	1,435	1,439	4	0.3%
39.5%	1,435	1,436	2	0.1%
40.7%	1,434	1,435	1	0.1%
42.0%	1,433	1,435	2	0.2%
43.2%	1,433	1,434	1	0.1%
44.4%	1,432	1,434	2	0.1%
45.7%	1,430	1,434	4	0.3%
46.9%	1,429	1,432	3	0.2%
48.1%	1,428	1,431	2	0.2%
49.4%	1,428	1,429	1	0.1%
50.6%	1,428	1,429	1	0.1%
51.9%	1,427	1,429	2	0.2%
53.1%	1,426	1,425	-1	-0.1%
54.3%	1,424	1,423	-1	0.0%
55.6%	1,421	1,421	0	0.0%
56.8%	1,419	1,420	1	0.1%
58.0%	1,418	1,420	1	0.1%
59.3%	1,417	1,419	2	0.1%
60.5%	1,416	1,419	3	0.2%
61.7%	1,416	1,418	3	0.2%
63.0%	1,416	1,418	2	0.2%
64.2%	1,416	1,418	2	0.1%
65.4%	1,415	1,417	2	0.2%
66.7%	1,415	1,417	3	0.2%
67.9%	1,415	1,417	2	0.2%
69.1%	1,414	1,417	3	0.2%
70.4%	1,412	1,417	5	0.3%
71.6%	1,410	1,416	6	0.4%
72.8%	1,409	1,415	6	0.4%
74.1%	1,409	1,415	6	0.4%
75.3%	1,409	1,415	6	0.4%
76.5%	1,409	1,414	6	0.4%
77.8%	1,385	1,412	27	2.0%
79.0%	1,364	1,412	48	3.6%
80.2%	1,350	1,409	59	4.4%
81.5%	1,332	1,337	5	0.4%
82.7%	1,285	1,328	43	3.3%
84.0%	1,244	1,326	82	6.6%
85.2%	1,227	1,238	11	0.9%
86.4%	1,153	1,212	59	5.1%
87.7%	1,138	965	-173	-15.2%
88.9%	1,064	964	-100	-9.4%
90.1%	872	859	-13	-1.5%
91.4%	749	819	70	9.3%
92.6%	748	751	3	0.4%
93.8%	748	748	0	0.0%
95.1%	745	746	1	0.2%
96.3%	745	745	0	0.0%
97.5%	739	741	2	0.2%
98.8%	492	739	247	50.3%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	17,191	0	0.0%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	7,262	530	7.9%
4.9%	4,937	4,933	-5	-0.1%
6.2%	4,759	4,721	-38	-0.8%
7.4%	4,652	4,325	-327	-7.0%
8.6%	4,571	4,153	-418	-9.2%
9.9%	4,317	4,078	-240	-5.5%
11.1%	4,169	4,013	-156	-3.7%
12.3%	4,139	3,909	-231	-5.6%
13.6%	3,824	3,824	0	0.0%
14.8%	3,724	3,812	88	2.4%
16.0%	3,618	3,701	84	2.3%
17.3%	3,605	3,688	83	2.3%
18.5%	3,558	3,677	118	3.3%
19.8%	3,470	3,625	156	4.5%
21.0%	3,344	3,618	274	8.2%
22.2%	3,344	3,552	208	6.2%
23.5%	3,315	3,522	207	6.2%
24.7%	3,241	3,366	124	3.8%
25.9%	3,187	3,365	177	5.6%
27.2%	3,123	3,182	59	1.9%
28.4%	3,114	3,146	32	1.0%
29.6%	2,995	3,131	136	4.5%
30.9%	2,982	3,109	127	4.2%
32.1%	2,913	2,949	35	1.2%
33.3%	2,911	2,841	-70	-2.4%
34.6%	2,846	2,671	-175	-6.1%
35.8%	2,622	2,635	12	0.5%
37.0%	2,480	2,622	142	5.7%
38.3%	2,457	2,563	106	4.3%
39.5%	2,301	2,454	153	6.7%
40.7%	2,198	2,409	211	9.6%
42.0%	2,183	2,399	216	9.9%
43.2%	2,153	2,368	215	10.0%
44.4%	2,144	2,254	111	5.2%
45.7%	2,100	2,238	138	6.6%
46.9%	2,037	2,222	185	9.1%
48.1%	2,036	2,193	157	7.7%
49.4%	1,906	2,181	275	14.4%
50.6%	1,882	2,144	262	13.9%
51.9%	1,862	2,083	220	11.8%
53.1%	1,862	1,862	0	0.0%
54.3%	1,862	1,862	0	0.0%
55.6%	1,862	1,862	0	0.0%
56.8%	1,862	1,862	0	0.0%
58.0%	1,862	1,860	-2	-0.1%
59.3%	1,862	1,857	-5	-0.3%
60.5%	1,862	1,857	-6	-0.3%
61.7%	1,861	1,856	-5	-0.3%
63.0%	1,855	1,855	0	0.0%
64.2%	1,752	1,770	18	1.0%
65.4%	1,708	1,752	44	2.6%
66.7%	1,621	1,708	87	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%	1,460	1,607	147	10.0%
76.5%	1,448	1,562	114	7.8%
77.8%	1,380	1,512	132	9.5%
79.0%	1,366	1,497	130	9.5%
80.2%	1,347	1,441	94	7.0%
81.5%	1,326	1,335	9	0.7%
82.7%	1,310	1,320	11	0.8%
84.0%	1,225	1,284	59	4.8%
85.2%	1,145	1,210	65	5.7%
86.4%	1,136	1,185	49	4.3%
87.7%	924	962	37	4.0%
88.9%	747	959	212	28.4%
90.1%	747	821	75	10.0%
91.4%	747	747	0	0.0%
92.6%	746	747	0	0.0%
93.8%	746	747	0	0.0%
95.1%	746	746	0	0.0%
96.3%	744	746	3	0.3%
97.5%	741	744	4	0.5%
98.8%	519	739	220	42.3%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	19,961	217	1.1%
1.2%	16,495	16,495	0	0.0%
2.5%	15,763	16,103	340	2.2%
3.7%	15,639	15,639	0	0.0%
4.9%	13,766	13,766	0	0.0%
6.2%	12,796	12,562	-234	-1.8%
7.4%	8,951	9,075	124	1.4%
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	6,310	657	11.6%
13.6%	5,003	4,973	-30	-0.6%
14.8%	4,295	4,803	508	11.8%
16.0%	4,278	4,674	396	9.3%
17.3%	4,278	4,055	-223	-5.2%
18.5%	3,241	3,693	452	14.0%
19.8%	3,201	3,367	165	5.2%
21.0%	2,827	3,230	403	14.3%
22.2%	2,764	2,963	199	7.2%
23.5%	2,392	2,827	435	18.2%
24.7%	2,307	2,386	79	3.4%
25.9%	2,225	2,240	15	0.7%
27.2%	2,092	2,158	67	3.2%
28.4%	2,011	2,036	25	1.2%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
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	1,933	-1	0.0%
42.0%	1,934	1,933	-1	-0.1%
43.2%	1,933	1,931	-3	-0.1%
44.4%	1,933	1,931	-2	-0.1%
45.7%	1,933	1,930	-3	-0.1%
46.9%	1,933	1,929	-3	-0.2%
48.1%	1,930	1,929	-2	-0.1%
49.4%	1,926	1,928	2	0.1%
50.6%	1,926	1,927	1	0.0%
51.9%	1,926	1,926	0	0.0%
53.1%	1,925	1,925	0	0.0%
54.3%	1,924	1,924	0	0.0%
55.6%	1,923	1,924	1	0.0%
56.8%	1,923	1,922	0	0.0%
58.0%	1,923	1,921	-2	-0.1%
59.3%	1,923	1,921	-2	-0.1%
60.5%	1,921	1,920	-1	-0.1%
61.7%	1,921	1,920	-1	-0.1%
63.0%	1,914	1,919	5	0.3%
64.2%	1,911	1,918	7	0.4%
65.4%	1,909	1,914	5	0.3%
66.7%	1,823	1,910	88	4.8%
67.9%	1,688	1,823	135	8.0%
69.1%	1,682	1,777	95	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	1,540	158	11.4%
77.8%	1,368	1,520	152	11.1%
79.0%	1,349	1,445	95	7.1%
80.2%	1,328	1,337	9	0.7%
81.5%	1,312	1,322	11	0.8%
82.7%	1,227	1,293	66	5.3%
84.0%	1,147	1,212	65	5.6%
85.2%	1,138	1,190	52	4.6%
86.4%	1,133	964	-169	-14.9%
87.7%	820	961	141	17.2%
88.9%	754	823	69	9.2%
90.1%	748	748	0	0.0%
91.4%	748	748	0	0.0%
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	738	-6	-0.9%
100.0%	472	472	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,174	31,176	2	0.0%
1.2%	20,281	20,282	0	0.0%
2.5%	17,613	17,598	-16	-0.1%
3.7%	15,473	15,705	232	1.5%
4.9%	14,628	15,470	842	5.8%
6.2%	12,792	12,790	-2	0.0%
7.4%	11,521	11,521	0	0.0%
8.6%	10,707	10,705	-1	0.0%
9.9%	10,365	10,481	116	1.1%
11.1%	9,912	9,912	0	0.0%
12.3%	9,211	9,199	-11	-0.1%
13.6%	9,053	9,055	2	0.0%
14.8%	8,828	8,825	-3	0.0%
16.0%	7,720	7,715	-5	-0.1%
17.3%	7,426	7,301	-125	-1.7%
18.5%	6,704	6,472	-233	-3.5%
19.8%	6,647	6,403	-244	-3.7%
21.0%	6,076	6,076	0	0.0%
22.2%	5,822	5,835	13	0.2%
23.5%	5,651	5,651	0	0.0%
24.7%	5,414	5,446	32	0.6%
25.9%	4,961	5,417	456	9.2%
27.2%	4,950	4,943	-7	-0.1%
28.4%	4,820	4,604	-215	-4.5%
29.6%	4,616	4,351	-265	-5.8%
30.9%	4,357	4,149	-207	-4.8%
32.1%	3,940	3,930	-10	-0.3%
33.3%	3,524	3,479	-45	-1.3%
34.6%	3,405	3,446	41	1.2%
35.8%	3,392	3,414	22	0.6%
37.0%	2,831	2,755	-76	-2.7%
38.3%	2,788	2,745	-43	-1.5%
39.5%	2,658	2,679	21	0.8%
40.7%	2,525	2,658	133	5.3%
42.0%	2,473	2,441	-32	-1.3%
43.2%	2,376	2,083	-293	-12.3%
44.4%	2,034	2,073	39	1.9%
45.7%	1,766	1,931	165	9.3%
46.9%	1,734	1,863	129	7.4%
48.1%	1,685	1,815	130	7.7%
49.4%	1,685	1,797	112	6.7%
50.6%	1,685	1,693	8	0.5%
51.9%	1,681	1,685	4	0.2%
53.1%	1,663	1,685	22	1.3%
54.3%	1,663	1,685	22	1.3%
55.6%	1,635	1,680	45	2.8%
56.8%	1,635	1,662	27	1.7%
58.0%	1,635	1,635	0	0.0%
59.3%	1,635	1,635	0	0.0%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,635	1,635	0	0.0%
70.4%	1,635	1,635	0	0.0%
71.6%	1,635	1,635	0	0.0%
72.8%	1,635	1,635	0	0.0%
74.1%	1,635	1,635	0	0.0%
75.3%	1,635	1,635	0	0.0%
76.5%	1,635	1,635	0	0.0%
77.8%	1,635	1,635	0	0.0%
79.0%	1,539	1,635	96	6.2%
80.2%	1,471	1,540	70	4.7%
81.5%	1,425	1,539	115	8.0%
82.7%	1,328	1,425	97	7.3%
84.0%	1,325	1,425	99	7.5%
85.2%	1,295	1,425	130	10.0%
86.4%	1,227	1,322	95	7.8%
87.7%	1,154	1,127	-27	-2.3%
88.9%	1,034	1,021	-13	-1.3%
90.1%	920	1,003	83	9.0%
91.4%	748	961	212	28.4%
92.6%	748	811	62	8.3%
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%	748	748	0	0.0%
100.0%	747	748	1	0.2%

Table SW-28-7b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,089	-14	0.0%
1.2%	15,585	15,580	-5	0.0%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,368	7	0.1%
4.9%	13,346	13,347	2	0.0%
6.2%	12,991	12,975	-16	-0.1%
7.4%	12,404	12,343	-61	-0.5%
8.6%	12,260	12,261	1	0.0%
9.9%	11,338	11,326	-11	-0.1%
11.1%	11,083	11,077	-6	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,438	7	0.1%
14.8%	9,957	9,954	-3	0.0%
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	9,101	-12	-0.1%
21.0%	7,917	7,917	0	0.0%
22.2%	7,829	7,824	-5	-0.1%
23.5%	7,702	7,654	-48	-0.6%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,978	-3	0.0%
27.2%	6,760	6,520	-241	-3.6%
28.4%	6,176	6,176	0	0.0%
29.6%	6,053	6,053	0	0.0%
30.9%	6,040	6,028	-12	-0.2%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,410	-84	-1.5%
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%	4,823	4,689	-134	-2.8%
39.5%	4,690	4,522	-168	-3.6%
40.7%	4,523	4,300	-224	-4.9%
42.0%	4,402	4,263	-140	-3.2%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,994	-157	-3.8%
45.7%	3,994	3,296	-698	-17.5%
46.9%	3,354	3,284	-69	-2.1%
48.1%	3,292	2,953	-339	-10.3%
49.4%	2,939	2,943	4	0.1%
50.6%	2,858	2,883	25	0.9%
51.9%	2,732	2,768	36	1.3%
53.1%	2,447	2,696	250	10.2%
54.3%	2,402	2,427	25	1.0%
55.6%	2,398	2,386	-12	-0.5%
56.8%	2,142	2,367	225	10.5%
58.0%	1,806	2,270	464	25.7%
59.3%	1,800	2,144	345	19.1%
60.5%	1,795	1,761	-34	-1.9%
61.7%	1,753	1,683	-70	-4.0%
63.0%	1,683	1,680	-2	-0.1%
64.2%	1,680	1,680	0	0.0%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,626	-55	-3.3%
67.9%	1,626	1,598	-29	-1.8%
69.1%	1,466	1,577	111	7.6%
70.4%	1,378	1,378	0	0.0%
71.6%	1,378	1,378	0	0.0%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,376	0	0.0%
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	1,365	43	3.3%
85.2%	1,295	1,316	21	1.6%
86.4%	1,197	1,295	97	8.1%
87.7%	1,113	1,200	87	7.8%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	1,197	165	16.0%
91.4%	978	957	-21	-2.1%
92.6%	968	947	-20	-2.1%
93.8%	866	855	-11	-1.3%
95.1%	745	839	95	12.7%
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 C 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	12,444	561	4.7%
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%	10,431	10,433	2	0.0%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,353	605	7.8%
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	5,464	-3	-0.1%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,486	1	0.0%
23.5%	4,395	4,329	-66	-1.5%
24.7%	4,335	4,302	-33	-0.8%
25.9%	4,302	4,290	-12	-0.3%
27.2%	4,296	4,236	-60	-1.4%
28.4%	4,193	4,193	0	0.0%
29.6%	4,013	4,013	0	0.0%
30.9%	3,999	3,995	-4	-0.1%
32.1%	3,968	3,968	0	0.0%
33.3%	3,869	3,847	-22	-0.6%
34.6%	3,607	3,607	0	0.0%
35.8%	3,487	3,488	0	0.0%
37.0%	3,326	3,327	1	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	3,088	65	2.2%
43.2%	3,006	3,038	32	1.1%
44.4%	2,964	3,002	38	1.3%
45.7%	2,909	2,919	10	0.3%
46.9%	2,838	2,838	0	0.0%
48.1%	2,558	2,559	1	0.0%
49.4%	2,399	2,433	33	1.4%
50.6%	2,243	2,387	144	6.4%
51.9%	2,094	2,362	268	12.8%
53.1%	2,028	2,302	274	13.5%
54.3%	1,905	2,243	338	17.8%
55.6%	1,894	2,012	118	6.2%
56.8%	1,889	1,900	11	0.6%
58.0%	1,794	1,895	101	5.6%
59.3%	1,771	1,889	119	6.7%
60.5%	1,721	1,771	50	2.9%
61.7%	1,683	1,734	51	3.0%
63.0%	1,682	1,692	10	0.6%
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	1,354	-27	-1.9%
75.3%	1,206	1,206	0	0.0%
76.5%	1,121	1,206	85	7.6%
77.8%	1,083	1,077	-5	-0.5%
79.0%	1,063	1,071	8	0.8%
80.2%	1,039	1,050	11	1.1%
81.5%	1,038	999	-39	-3.8%
82.7%	976	953	-23	-2.3%
84.0%	940	921	-19	-2.1%
85.2%	918	866	-52	-5.7%
86.4%	898	864	-34	-3.8%
87.7%	875	864	-11	-1.3%
88.9%	832	804	-28	-3.3%
90.1%	820	791	-29	-3.5%
91.4%	777	758	-19	-2.4%
92.6%	748	756	8	1.0%
93.8%	748	748	0	0.0%
95.1%	740	746	7	0.9%
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 C 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	6,678	4	0.1%
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	4,451	-100	-2.2%
23.5%	4,473	4,431	-42	-0.9%
24.7%	4,430	4,340	-91	-2.1%
25.9%	4,192	4,274	81	1.9%
27.2%	4,094	4,192	99	2.4%
28.4%	4,092	4,086	-6	-0.2%
29.6%	4,064	4,064	0	0.0%
30.9%	4,063	4,063	0	0.0%
32.1%	4,028	4,062	34	0.8%
33.3%	3,825	4,059	234	6.1%
34.6%	3,635	4,028	393	10.8%
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	3,049	238	8.5%
42.0%	2,699	2,826	127	4.7%
43.2%	2,692	2,811	119	4.4%
44.4%	2,686	2,699	13	0.5%
45.7%	2,633	2,692	59	2.3%
46.9%	2,581	2,581	0	0.0%
48.1%	2,522	2,519	-3	-0.1%
49.4%	2,495	2,495	0	0.0%
50.6%	2,315	2,469	154	6.6%
51.9%	2,292	2,310	18	0.8%
53.1%	2,156	2,275	120	5.5%
54.3%	2,142	2,213	71	3.3%
55.6%	2,032	2,156	123	6.1%
56.8%	1,991	2,032	42	2.1%
58.0%	1,955	1,951	-4	-0.2%
59.3%	1,836	1,947	112	6.1%
60.5%	1,796	1,924	127	7.1%
61.7%	1,696	1,836	139	8.2%
63.0%	1,691	1,703	11	0.7%
64.2%	1,685	1,685	0	0.0%
65.4%	1,679	1,679	0	0.0%
66.7%	1,675	1,675	0	0.0%
67.9%	1,640	1,635	-4	-0.3%
69.1%	1,635	1,633	-3	-0.2%
70.4%	1,569	1,610	41	2.6%
71.6%	1,383	1,453	71	5.1%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,383	0	0.0%
75.3%	1,379	1,374	-5	-0.3%
76.5%	1,359	1,359	0	0.0%
77.8%	1,355	1,357	1	0.1%
79.0%	1,323	1,319	-4	-0.3%
80.2%	1,319	1,317	-2	-0.2%
81.5%	1,264	1,309	44	3.5%
82.7%	1,204	1,204	0	0.0%
84.0%	1,119	1,078	-41	-3.7%
85.2%	1,083	1,050	-33	-3.1%
86.4%	1,039	1,012	-27	-2.6%
87.7%	1,034	1,000	-34	-3.3%
88.9%	974	946	-28	-2.8%
90.1%	943	946	2	0.3%
91.4%	902	945	44	4.8%
92.6%	873	935	62	7.1%
93.8%	839	924	85	10.1%
95.1%	829	920	91	11.0%
96.3%	768	862	94	12.2%
97.5%	747	789	43	5.7%
98.8%	743	780	37	5.0%
100.0%	315	470	156	49.4%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,158	0	0.0%
1.2%	10,998	10,998	0	0.0%
2.5%	10,091	10,091	0	0.0%
3.7%	9,608	9,608	0	0.0%
4.9%	9,193	9,193	0	0.0%
6.2%	9,059	9,059	0	0.0%
7.4%	8,876	8,876	0	0.0%
8.6%	8,802	8,802	0	0.0%
9.9%	8,032	8,032	0	0.0%
11.1%	7,914	7,914	0	0.0%
12.3%	6,726	6,726	0	0.0%
13.6%	6,563	6,563	0	0.0%
14.8%	6,329	6,329	0	0.0%
16.0%	6,027	6,027	0	0.0%
17.3%	5,042	5,012	-30	-0.6%
18.5%	4,828	4,828	0	0.0%
19.8%	4,766	4,766	0	0.0%
21.0%	4,681	4,681	0	0.0%
22.2%	4,616	4,616	0	0.0%
23.5%	4,460	4,460	0	0.0%
24.7%	4,340	4,340	0	0.0%
25.9%	4,242	4,210	-33	-0.8%
27.2%	4,202	4,204	2	0.0%
28.4%	4,002	3,966	-36	-0.9%
29.6%	3,960	3,960	0	0.0%
30.9%	3,851	3,867	16	0.4%
32.1%	3,723	3,723	0	0.0%
33.3%	3,712	3,712	0	0.0%
34.6%	3,581	3,581	0	0.0%
35.8%	3,466	3,466	0	0.0%
37.0%	3,378	3,378	0	0.0%
38.3%	3,353	3,295	-58	-1.7%
39.5%	3,315	3,287	-28	-0.8%
40.7%	3,295	3,276	-19	-0.6%
42.0%	3,287	3,205	-82	-2.5%
43.2%	3,279	3,160	-118	-3.6%
44.4%	3,205	3,019	-186	-5.8%
45.7%	3,201	3,006	-196	-6.1%
46.9%	2,923	2,936	12	0.4%
48.1%	2,795	2,795	0	0.0%
49.4%	2,793	2,791	-1	-0.1%
50.6%	2,637	2,637	0	0.0%
51.9%	2,507	2,507	0	0.0%
53.1%	2,437	2,434	-3	-0.1%
54.3%	2,331	2,331	0	0.0%
55.6%	2,196	2,195	-1	-0.1%
56.8%	2,129	2,129	0	0.0%
58.0%	1,900	1,900	0	0.0%
59.3%	1,837	1,687	-150	-8.2%
60.5%	1,687	1,687	0	0.0%
61.7%	1,687	1,663	-24	-1.4%
63.0%	1,663	1,659	-3	-0.2%
64.2%	1,638	1,638	0	0.0%
65.4%	1,616	1,616	0	0.0%
66.7%	1,397	1,417	20	1.4%
67.9%	1,385	1,385	0	0.0%
69.1%	1,385	1,385	0	0.0%
70.4%	1,385	1,385	0	0.0%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,377	-7	-0.5%
74.1%	1,328	1,354	26	2.0%
75.3%	1,326	1,322	-4	-0.3%
76.5%	1,227	1,316	89	7.2%
77.8%	1,223	1,306	83	6.8%
79.0%	1,122	1,206	83	7.4%
80.2%	1,121	1,205	84	7.5%
81.5%	1,089	1,202	113	10.4%
82.7%	1,085	1,189	104	9.6%
84.0%	1,052	1,185	133	12.7%
85.2%	1,041	1,177	136	13.1%
86.4%	1,031	1,170	140	13.5%
87.7%	976	1,105	130	13.3%
88.9%	945	1,080	135	14.3%
90.1%	935	1,053	117	12.5%
91.4%	903	1,052	149	16.5%
92.6%	875	1,002	127	14.5%
93.8%	841	949	108	12.9%
95.1%	830	926	96	11.5%
96.3%	748	864	115	15.4%
97.5%	748	806	58	7.8%
98.8%	741	748	7	0.9%
100.0%	266	467	201	75.4%

Table SW-28-7b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,775	10,775	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%	4,990	4,964	-26	-0.5%
19.8%	4,934	4,920	-14	-0.3%
21.0%	4,754	4,702	-52	-1.1%
22.2%	4,702	4,656	-46	-1.0%
23.5%	4,654	4,517	-137	-2.9%
24.7%	4,650	4,503	-147	-3.2%
25.9%	4,517	4,324	-193	-4.3%
27.2%	4,503	4,157	-346	-7.7%
28.4%	4,048	4,067	19	0.5%
29.6%	3,869	3,926	57	1.5%
30.9%	3,828	3,724	-105	-2.7%
32.1%	3,740	3,283	-457	-12.2%
33.3%	3,724	3,203	-521	-14.0%
34.6%	3,373	3,123	-251	-7.4%
35.8%	3,284	3,089	-194	-5.9%
37.0%	3,082	2,924	-158	-5.1%
38.3%	2,985	2,879	-106	-3.6%
39.5%	2,912	2,872	-40	-1.4%
40.7%	2,879	2,815	-64	-2.2%
42.0%	2,872	2,794	-78	-2.7%
43.2%	2,844	2,789	-55	-1.9%
44.4%	2,789	2,675	-114	-4.1%
45.7%	2,748	2,529	-219	-8.0%
46.9%	2,677	2,520	-157	-5.9%
48.1%	2,676	2,484	-192	-7.2%
49.4%	2,658	2,388	-270	-10.2%
50.6%	2,587	2,343	-243	-9.4%
51.9%	2,542	2,188	-354	-13.9%
53.1%	2,530	2,170	-360	-14.2%
54.3%	2,428	2,127	-301	-12.4%
55.6%	2,393	2,035	-358	-15.0%
56.8%	2,392	2,028	-363	-15.2%
58.0%	2,312	1,957	-355	-15.3%
59.3%	2,242	1,927	-315	-14.1%
60.5%	2,191	1,922	-269	-12.3%
61.7%	2,176	1,901	-275	-12.7%
63.0%	2,099	1,872	-228	-10.8%
64.2%	2,028	1,806	-223	-11.0%
65.4%	1,927	1,690	-238	-12.3%
66.7%	1,916	1,688	-228	-11.9%
67.9%	1,693	1,688	-5	-0.3%
69.1%	1,692	1,688	-4	-0.3%
70.4%	1,688	1,686	-2	-0.1%
71.6%	1,686	1,685	0	0.0%
72.8%	1,685	1,685	0	0.0%
74.1%	1,685	1,685	0	0.0%
75.3%	1,683	1,683	0	0.0%
76.5%	1,675	1,681	6	0.4%
77.8%	1,671	1,675	4	0.2%
79.0%	1,670	1,671	1	0.0%
80.2%	1,670	1,670	0	0.0%
81.5%	1,666	1,664	-2	-0.1%
82.7%	1,614	1,664	50	3.1%
84.0%	1,427	1,559	132	9.3%
85.2%	1,391	1,481	90	6.5%
86.4%	1,251	1,444	194	15.5%
87.7%	1,202	1,425	224	18.6%
88.9%	1,155	1,411	255	22.1%
90.1%	1,092	1,302	210	19.2%
91.4%	1,017	1,053	36	3.6%
92.6%	1,006	959	-47	-4.7%
93.8%	922	940	17	1.9%
95.1%	905	924	19	2.1%
96.3%	690	758	68	9.9%
97.5%	685	716	31	4.5%
98.8%	523	573	51	9.7%
100.0%	323	395	72	22.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,972	4,938	-34	-0.7%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-4	-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	0	0.0%
9.9%	4,937	4,936	-1	0.0%
11.1%	4,937	4,935	-2	0.0%
12.3%	4,937	4,935	-2	0.0%
13.6%	4,937	4,930	-7	-0.1%
14.8%	4,935	4,917	-18	-0.4%
16.0%	4,935	4,912	-23	-0.5%
17.3%	4,934	4,857	-77	-1.6%
18.5%	4,933	4,615	-319	-6.5%
19.8%	4,933	4,459	-474	-9.6%
21.0%	4,931	4,359	-572	-11.6%
22.2%	4,931	4,286	-645	-13.1%
23.5%	4,930	4,272	-657	-13.3%
24.7%	4,930	4,247	-683	-13.9%
25.9%	4,929	4,244	-685	-13.9%
27.2%	4,928	4,222	-706	-14.3%
28.4%	4,923	4,019	-904	-18.4%
29.6%	4,916	3,977	-939	-19.1%
30.9%	4,912	3,937	-976	-19.9%
32.1%	4,908	3,877	-1,031	-21.0%
33.3%	4,838	3,876	-962	-19.9%
34.6%	4,647	3,842	-805	-17.3%
35.8%	4,595	3,782	-813	-17.7%
37.0%	4,582	3,726	-856	-18.7%
38.3%	4,508	3,722	-786	-17.4%
39.5%	4,497	3,644	-853	-19.0%
40.7%	4,466	3,620	-847	-19.0%
42.0%	4,459	3,486	-973	-21.8%
43.2%	4,322	3,286	-1,037	-24.0%
44.4%	4,049	3,278	-770	-19.0%
45.7%	3,937	3,223	-713	-18.1%
46.9%	3,849	3,185	-664	-17.2%
48.1%	3,830	3,183	-647	-16.9%
49.4%	3,722	3,114	-607	-16.3%
50.6%	3,554	3,030	-524	-14.7%
51.9%	3,527	2,989	-538	-15.3%
53.1%	3,498	2,973	-524	-15.0%
54.3%	3,480	2,972	-508	-14.6%
55.6%	3,330	2,945	-385	-11.6%
56.8%	3,309	2,943	-366	-11.1%
58.0%	3,205	2,892	-314	-9.8%
59.3%	3,158	2,859	-299	-9.5%
60.5%	3,047	2,831	-216	-7.1%
61.7%	3,025	2,820	-205	-6.8%
63.0%	2,973	2,818	-155	-5.2%
64.2%	2,963	2,789	-173	-5.9%
65.4%	2,948	2,743	-205	-6.9%
66.7%	2,919	2,716	-203	-7.0%
67.9%	2,878	2,712	-166	-5.8%
69.1%	2,859	2,691	-167	-5.9%
70.4%	2,822	2,677	-146	-5.2%
71.6%	2,795	2,669	-126	-4.5%
72.8%	2,712	2,662	-50	-1.8%
74.1%	2,691	2,612	-79	-3.0%
75.3%	2,675	2,593	-82	-3.1%
76.5%	2,612	2,516	-96	-3.7%
77.8%	2,610	2,467	-142	-5.5%
79.0%	2,593	2,461	-132	-5.1%
80.2%	2,461	2,452	-9	-0.4%
81.5%	2,435	2,342	-93	-3.8%
82.7%	2,320	2,186	-134	-5.8%
84.0%	2,063	2,183	120	5.8%
85.2%	2,059	2,174	115	5.6%
86.4%	1,858	2,086	228	12.3%
87.7%	1,755	1,546	-210	-11.9%
88.9%	1,648	1,527	-121	-7.4%
90.1%	1,621	1,404	-217	-13.4%
91.4%	1,550	1,389	-161	-10.4%
92.6%	1,400	1,306	-94	-6.7%
93.8%	1,302	1,281	-21	-1.6%
95.1%	799	1,280	481	60.2%
96.3%	761	1,066	305	40.1%
97.5%	694	1,015	321	46.2%
98.8%	405	659	254	62.8%
100.0%	321	383	62	19.2%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,386	11	0.3%
1.2%	4,262	4,375	112	2.6%
2.5%	4,168	4,171	3	0.1%
3.7%	4,166	4,168	3	0.1%
4.9%	4,049	4,049	0	0.0%
6.2%	4,010	4,010	0	0.0%
7.4%	3,975	3,980	4	0.1%
8.6%	3,946	3,946	0	0.0%
9.9%	3,945	3,940	-5	-0.1%
11.1%	3,940	3,909	-31	-0.8%
12.3%	3,909	3,906	-3	-0.1%
13.6%	3,906	3,900	-6	-0.1%
14.8%	3,900	3,822	-78	-2.0%
16.0%	3,822	3,817	-5	-0.1%
17.3%	3,757	3,693	-64	-1.7%
18.5%	3,608	3,520	-88	-2.4%
19.8%	3,584	3,506	-79	-2.2%
21.0%	3,384	3,470	86	2.5%
22.2%	3,367	3,390	23	0.7%
23.5%	3,321	3,364	43	1.3%
24.7%	3,319	3,299	-20	-0.6%
25.9%	3,311	3,248	-63	-1.9%
27.2%	3,190	3,242	53	1.7%
28.4%	3,153	3,110	-44	-1.4%
29.6%	3,131	3,091	-40	-1.3%
30.9%	3,077	3,082	6	0.2%
32.1%	3,065	2,940	-125	-4.1%
33.3%	2,872	2,923	51	1.8%
34.6%	2,818	2,917	99	3.5%
35.8%	2,816	2,904	87	3.1%
37.0%	2,780	2,884	104	3.8%
38.3%	2,745	2,809	64	2.3%
39.5%	2,689	2,763	74	2.8%
40.7%	2,592	2,758	166	6.4%
42.0%	2,588	2,673	85	3.3%
43.2%	2,583	2,669	86	3.3%
44.4%	2,576	2,660	84	3.3%
45.7%	2,545	2,578	33	1.3%
46.9%	2,513	2,548	35	1.4%
48.1%	2,420	2,498	78	3.2%
49.4%	2,402	2,486	83	3.5%
50.6%	2,349	2,401	52	2.2%
51.9%	2,287	2,294	7	0.3%
53.1%	2,286	2,247	-39	-1.7%
54.3%	2,261	2,200	-61	-2.7%
55.6%	2,247	2,174	-74	-3.3%
56.8%	2,217	2,150	-66	-3.0%
58.0%	2,216	1,999	-217	-9.8%
59.3%	2,213	1,990	-223	-10.1%
60.5%	2,176	1,959	-217	-10.0%
61.7%	2,144	1,918	-226	-10.5%
63.0%	2,051	1,918	-133	-6.5%
64.2%	1,926	1,914	-12	-0.6%
65.4%	1,888	1,909	20	1.1%
66.7%	1,848	1,822	-26	-1.4%
67.9%	1,811	1,800	-11	-0.6%
69.1%	1,662	1,778	116	7.0%
70.4%	1,662	1,777	115	6.9%
71.6%	1,659	1,774	115	7.0%
72.8%	1,659	1,766	107	6.5%
74.1%	1,659	1,706	47	2.8%
75.3%	1,659	1,665	6	0.4%
76.5%	1,659	1,659	1	0.0%
77.8%	1,553	1,659	105	6.8%
79.0%	1,399	1,639	240	17.1%
80.2%	1,290	1,590	300	23.3%
81.5%	1,279	1,513	235	18.4%
82.7%	1,225	1,480	255	20.8%
84.0%	1,221	1,473	252	20.7%
85.2%	1,172	1,193	22	1.8%
86.4%	1,115	1,185	70	6.3%
87.7%	918	1,158	239	26.1%
88.9%	918	1,078	160	17.5%
90.1%	913	1,033	120	13.1%
91.4%	890	999	109	12.3%
92.6%	807	937	130	16.1%
93.8%	747	916	169	22.6%
95.1%	734	885	151	20.6%
96.3%	733	818	86	11.7%
97.5%	693	657	-36	-5.2%
98.8%	634	633	-2	-0.3%
100.0%	210	416	206	98.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,912	-23	-0.5%
1.2%	4,935	4,557	-378	-7.7%
2.5%	4,924	4,549	-375	-7.6%
3.7%	4,918	4,499	-419	-8.5%
4.9%	4,913	4,420	-492	-10.0%
6.2%	4,888	4,337	-551	-11.3%
7.4%	4,834	4,287	-547	-11.3%
8.6%	4,758	4,227	-531	-11.2%
9.9%	4,655	4,191	-463	-10.0%
11.1%	4,647	4,188	-459	-9.9%
12.3%	4,585	4,186	-399	-8.7%
13.6%	4,420	4,135	-286	-6.5%
14.8%	4,408	4,028	-380	-8.6%
16.0%	4,348	3,969	-378	-8.7%
17.3%	4,287	3,953	-334	-7.8%
18.5%	4,230	3,947	-284	-6.7%
19.8%	4,223	3,931	-293	-6.9%
21.0%	4,188	3,931	-258	-6.2%
22.2%	4,147	3,920	-228	-5.5%
23.5%	4,146	3,918	-228	-5.5%
24.7%	4,113	3,913	-200	-4.9%
25.9%	4,106	3,900	-206	-5.0%
27.2%	3,976	3,890	-86	-2.2%
28.4%	3,902	3,873	-29	-0.7%
29.6%	3,852	3,827	-25	-0.6%
30.9%	3,827	3,795	-32	-0.8%
32.1%	3,799	3,753	-46	-1.2%
33.3%	3,587	3,691	104	2.9%
34.6%	3,483	3,676	193	5.5%
35.8%	3,221	3,647	426	13.2%
37.0%	2,956	3,524	567	19.2%
38.3%	2,918	3,342	424	14.5%
39.5%	2,879	3,297	418	14.5%
40.7%	2,762	3,099	337	12.2%
42.0%	2,721	3,068	347	12.7%
43.2%	2,720	2,633	-87	-3.2%
44.4%	2,569	2,599	30	1.2%
45.7%	2,499	2,580	81	3.2%
46.9%	2,496	2,576	81	3.2%
48.1%	2,436	2,571	135	5.5%
49.4%	2,256	2,563	307	13.6%
50.6%	2,176	2,437	261	12.0%
51.9%	2,170	2,395	225	10.4%
53.1%	2,009	2,273	264	13.1%
54.3%	1,985	2,150	166	8.3%
55.6%	1,955	2,084	129	6.6%
56.8%	1,953	2,066	113	5.8%
58.0%	1,951	2,012	61	3.1%
59.3%	1,914	1,908	-7	-0.3%
60.5%	1,902	1,900	-2	-0.1%
61.7%	1,862	1,892	29	1.6%
63.0%	1,812	1,777	-35	-1.9%
64.2%	1,810	1,585	-226	-12.5%
65.4%	1,734	1,574	-160	-9.2%
66.7%	1,726	1,566	-160	-9.3%
67.9%	1,679	1,561	-119	-7.1%
69.1%	1,583	1,471	-112	-7.1%
70.4%	1,467	1,468	1	0.1%
71.6%	1,461	1,464	3	0.2%
72.8%	1,459	1,459	0	0.0%
74.1%	1,459	1,452	-7	-0.5%
75.3%	1,456	1,405	-51	-3.5%
76.5%	1,426	1,333	-93	-6.5%
77.8%	1,424	1,297	-127	-8.9%
79.0%	1,292	1,260	-32	-2.5%
80.2%	1,252	1,249	-2	-0.2%
81.5%	1,082	1,207	125	11.6%
82.7%	1,056	1,206	150	14.2%
84.0%	946	1,184	239	25.2%
85.2%	923	1,079	156	16.9%
86.4%	907	1,078	170	18.8%
87.7%	889	1,017	128	14.4%
88.9%	839	979	139	16.6%
90.1%	829	963	134	16.2%
91.4%	754	957	203	26.9%
92.6%	747	926	180	24.0%
93.8%	747	924	177	23.8%
95.1%	740	850	110	14.9%
96.3%	691	744	53	7.6%
97.5%	503	743	240	47.8%
98.8%	425	592	166	39.1%
100.0%	356	356	0	0.0%

Table SW-29-7a
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 C	1,441	2,714	3,254	4,314	4,956	3,606	3,100	3,239	3,155	3,041	2,269	2,447
Difference	88	62	66	22	-14	35	49	16	-80	-306	34	-25
Percent Difference[3]	6.5%	2.3%	2.1%	0.5%	-0.3%	1.0%	1.6%	0.5%	-2.5%	-9.1%	1.5%	-1.0%
Water Year Types[2]												
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 C	1,704	3,937	3,532	8,607	8,979	5,914	4,996	5,711	5,483	3,245	3,168	3,756
Difference	235	129	12	53	-9	-1	0	0	21	-335	175	-318
Percent Difference	16.0%	3.4%	0.3%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-9.4%	5.8%	-7.8%
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 C	1,391	2,754	2,966	4,628	6,130	5,265	3,232	3,409	2,894	3,889	2,346	2,724
Difference	14	103	133	153	-5	46	-6	-3	-64	-232	-9	-152
Percent Difference	1.0%	3.9%	4.7%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.2%	-5.6%	-0.4%	-5.3%
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 C	1,538	3,345	3,947	2,223	3,959	2,265	2,920	2,610	2,300	3,708	2,064	2,428
Difference	15	83	55	34	-105	-7	137	54	-49	-839	-53	572
Percent Difference	1.0%	2.5%	1.4%	1.6%	-2.6%	-0.3%	4.9%	2.1%	-2.1%	-18.4%	-2.5%	30.8%
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 C	1,406	1,659	4,104	1,503	1,713	2,001	1,691	1,507	1,958	2,858	1,876	1,425
Difference	105	-28	152	-120	31	82	-6	25	-137	-113	-168	34
Percent Difference	8.1%	-1.6%	3.8%	-7.4%	1.8%	4.3%	-0.3%	1.7%	-6.5%	-3.8%	-8.2%	2.4%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative C	861	873	859	1,355	1,092	919	1,184	1,042	1,167	1,250	1,073	886
Difference	-99	-15	2	22	6	84	191	12	-267	15	179	-50
Percent Difference	-10.3%	-1.7%	0.2%	1.7%	0.6%	10.1%	19.2%	1.1%	-18.6%	1.2%	20.0%	-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-29-7b
American River at H Street, Monthly Flow
Probability of Exceedance

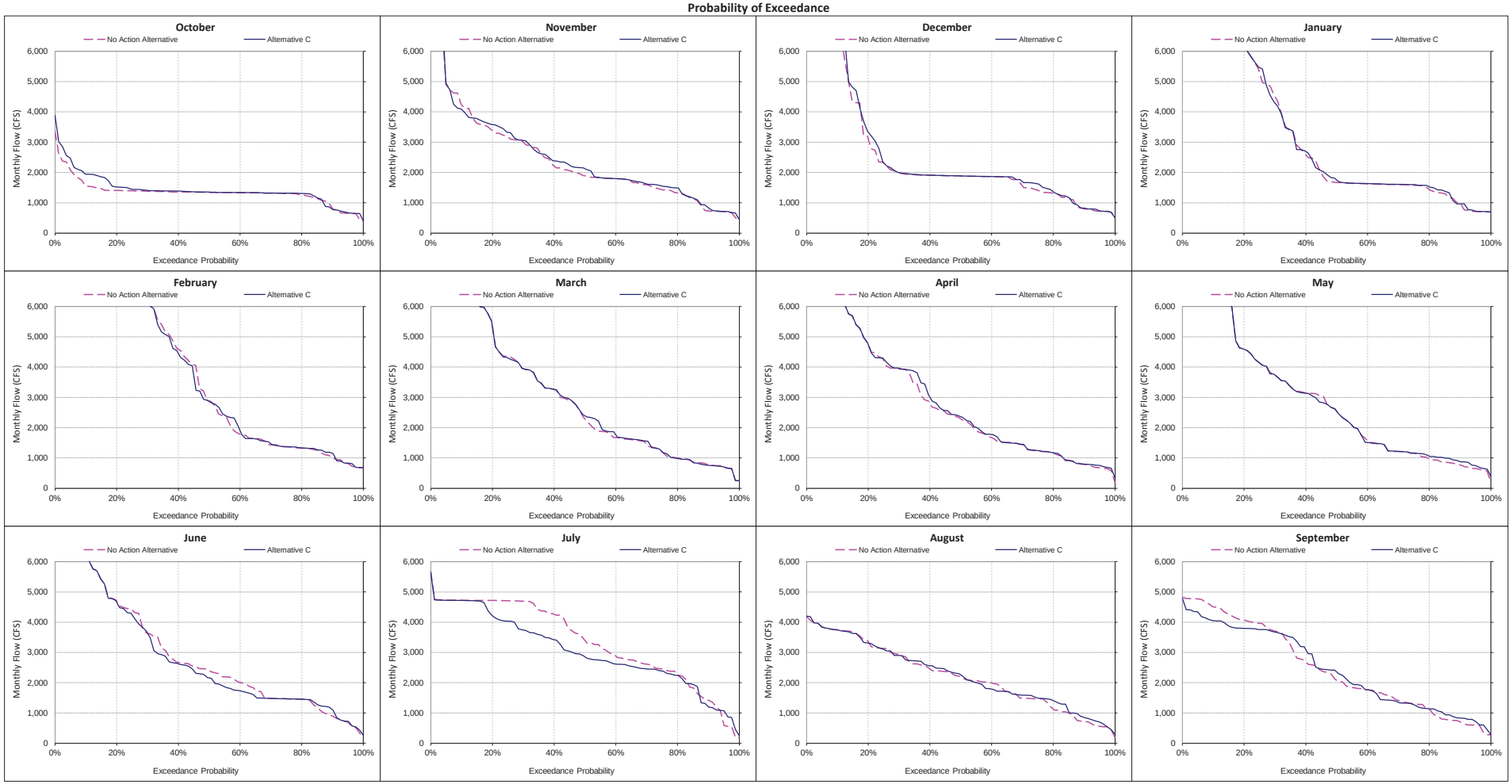

Table SW-29-7b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,897	544	16.2%
1.2%	2,603	3,019	416	16.0%
2.5%	2,376	2,848	471	19.8%
3.7%	2,348	2,555	207	8.8%
4.9%	2,096	2,478	382	18.2%
6.2%	1,936	2,166	230	11.9%
7.4%	1,824	2,103	278	15.3%
8.6%	1,750	2,058	307	17.5%
9.9%	1,554	1,948	393	25.3%
11.1%	1,543	1,946	403	26.1%
12.3%	1,526	1,936	410	26.9%
13.6%	1,492	1,905	413	27.7%
14.8%	1,482	1,856	373	25.2%
16.0%	1,412	1,832	420	29.7%
17.3%	1,409	1,735	327	23.2%
18.5%	1,408	1,552	143	10.2%
19.8%	1,406	1,526	120	8.5%
21.0%	1,403	1,518	116	8.2%
22.2%	1,403	1,507	105	7.5%
23.5%	1,399	1,503	104	7.5%
24.7%	1,397	1,447	51	3.6%
25.9%	1,394	1,442	48	3.4%
27.2%	1,393	1,442	49	3.5%
28.4%	1,387	1,424	36	2.6%
29.6%	1,386	1,413	27	2.0%
30.9%	1,382	1,400	18	1.3%
32.1%	1,378	1,399	21	1.5%
33.3%	1,378	1,397	19	1.4%
34.6%	1,377	1,394	18	1.3%
35.8%	1,374	1,393	19	1.4%
37.0%	1,363	1,392	29	2.1%
38.3%	1,359	1,390	30	2.2%
39.5%	1,357	1,386	29	2.1%
40.7%	1,357	1,385	27	2.0%
42.0%	1,357	1,379	23	1.7%
43.2%	1,356	1,376	20	1.5%
44.4%	1,353	1,361	7	0.5%
45.7%	1,350	1,357	7	0.5%
46.9%	1,348	1,356	9	0.6%
48.1%	1,345	1,356	11	0.8%
49.4%	1,344	1,355	11	0.8%
50.6%	1,342	1,350	9	0.6%
51.9%	1,341	1,348	7	0.5%
53.1%	1,341	1,342	2	0.1%
54.3%	1,340	1,342	2	0.1%
55.6%	1,340	1,341	1	0.1%
56.8%	1,337	1,340	3	0.2%
58.0%	1,336	1,338	2	0.1%
59.3%	1,335	1,338	2	0.2%
60.5%	1,335	1,337	2	0.1%
61.7%	1,334	1,336	3	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,335	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,329	3	0.2%
67.9%	1,317	1,328	11	0.8%
69.1%	1,316	1,327	10	0.8%
70.4%	1,316	1,325	10	0.8%
71.6%	1,314	1,324	10	0.8%
72.8%	1,313	1,322	9	0.7%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,316	9	0.7%
76.5%	1,306	1,315	9	0.7%
77.8%	1,305	1,314	9	0.7%
79.0%	1,271	1,313	42	3.3%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,304	73	5.9%
82.7%	1,210	1,294	84	6.9%
84.0%	1,166	1,225	59	5.1%
85.2%	1,128	1,160	32	2.8%
86.4%	1,082	1,113	31	2.9%
87.7%	1,053	880	-173	-16.4%
88.9%	969	861	-108	-11.2%
90.1%	784	771	-13	-1.6%
91.4%	771	763	-8	-1.1%
92.6%	673	733	60	8.9%
93.8%	663	692	29	4.4%
95.1%	644	673	29	4.5%
96.3%	643	651	8	1.3%
97.5%	641	644	3	0.5%
98.8%	433	643	210	48.7%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,312	530	7.8%
4.9%	4,957	4,905	-52	-1.0%
6.2%	4,731	4,741	10	0.2%
7.4%	4,628	4,258	-369	-8.0%
8.6%	4,621	4,127	-493	-10.7%
9.9%	4,251	4,093	-157	-3.7%
11.1%	4,110	3,974	-136	-3.3%
12.3%	4,109	3,821	-288	-7.0%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,788	151	4.2%
16.0%	3,582	3,731	149	4.2%
17.3%	3,566	3,665	100	2.8%
18.5%	3,506	3,627	122	3.5%
19.8%	3,401	3,589	188	5.5%
21.0%	3,298	3,573	274	8.3%
22.2%	3,295	3,506	211	6.4%
23.5%	3,235	3,448	213	6.6%
24.7%	3,202	3,336	133	4.2%
25.9%	3,101	3,311	210	6.8%
27.2%	3,085	3,139	54	1.8%
28.4%	3,069	3,073	4	0.1%
29.6%	3,039	3,065	26	0.9%
30.9%	2,917	3,045	128	4.4%
32.1%	2,877	2,909	32	1.1%
33.3%	2,829	2,761	-69	-2.4%
34.6%	2,803	2,664	-139	-5.0%
35.8%	2,613	2,613	0	0.0%
37.0%	2,488	2,597	109	4.4%
38.3%	2,450	2,498	48	2.0%
39.5%	2,263	2,386	122	5.4%
40.7%	2,152	2,376	224	10.4%
42.0%	2,151	2,349	199	9.2%
43.2%	2,091	2,346	255	12.2%
44.4%	2,079	2,275	197	9.5%
45.7%	2,040	2,191	151	7.4%
46.9%	1,983	2,166	183	9.2%
48.1%	1,968	2,159	190	9.7%
49.4%	1,904	2,155	251	13.2%
50.6%	1,884	2,091	208	11.0%
51.9%	1,847	2,054	207	11.2%
53.1%	1,840	1,853	14	0.7%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,814	-11	-0.6%
56.8%	1,813	1,813	0	0.0%
58.0%	1,808	1,806	-2	-0.1%
59.3%	1,796	1,804	8	0.4%
60.5%	1,791	1,794	2	0.1%
61.7%	1,790	1,791	1	0.1%
63.0%	1,776	1,776	0	0.0%
64.2%	1,757	1,757	0	0.0%
65.4%	1,667	1,728	61	3.7%
66.7%	1,666	1,700	35	2.1%
67.9%	1,608	1,682	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%	1,460	1,575	115	7.9%
75.3%	1,423	1,540	117	8.2%
76.5%	1,421	1,535	113	8.0%
77.8%	1,404	1,511	107	7.6%
79.0%	1,340	1,488	148	11.0%
80.2%	1,324	1,488	164	12.4%
81.5%	1,311	1,291	-20	-1.5%
82.7%	1,240	1,234	-6	-0.5%
84.0%	1,162	1,201	38	3.3%
85.2%	1,137	1,147	10	0.9%
86.4%	1,061	1,099	38	3.5%
87.7%	894	938	44	4.9%
88.9%	748	926	178	23.8%
90.1%	725	823	98	13.5%
91.4%	722	749	26	3.6%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	708	27	3.9%
97.5%	672	682	9	1.4%
98.8%	513	666	152	29.6%
100.0%	377	447	70	18.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,009	217	1.1%
1.2%	16,520	16,520	0	0.0%
2.5%	15,879	16,220	340	2.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,768	0	0.0%
6.2%	12,867	12,633	-234	-1.8%
7.4%	8,949	9,073	124	1.4%
8.6%	8,757	8,743	-13	-0.2%
9.9%	7,132	7,127	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,397	657	11.5%
13.6%	5,025	4,995	-30	-0.6%
14.8%	4,349	4,819	469	10.8%
16.0%	4,306	4,703	397	9.2%
17.3%	4,294	4,109	-184	-4.3%
18.5%	3,212	3,671	459	14.3%
19.8%	3,196	3,361	165	5.2%
21.0%	2,781	3,202	421	15.1%
22.2%	2,742	3,029	287	10.5%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,343	1	0.0%
25.9%	2,221	2,221	0	0.0%
27.2%	2,096	2,163	67	3.2%
28.4%	2,059	2,071	12	0.6%
29.6%	2,002	2,014	13	0.6%
30.9%	1,969	1,972	3	0.2%
32.1%	1,950	1,968	18	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,933	11	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,909	-2	-0.1%
42.0%	1,899	1,908	9	0.5%
43.2%	1,897	1,900	3	0.2%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,894	-2	-0.1%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,884	0	0.0%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,878	0	0.0%
54.3%	1,878	1,877	-1	0.0%
55.6%	1,876	1,872	-5	-0.3%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,869	-3	-0.2%
59.3%	1,870	1,868	-2	-0.1%
60.5%	1,867	1,868	1	0.0%
61.7%	1,858	1,866	7	0.4%
63.0%	1,857	1,859	2	0.1%
64.2%	1,856	1,859	3	0.1%
65.4%	1,846	1,856	10	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,770	3	0.2%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.0%
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	1,511	168	12.6%
77.8%	1,340	1,471	130	9.7%
79.0%	1,333	1,441	108	8.1%
80.2%	1,303	1,336	34	2.6%
81.5%	1,285	1,283	-2	-0.2%
82.7%	1,181	1,240	59	5.0%
84.0%	1,178	1,222	45	3.8%
85.2%	1,132	1,166	33	2.9%
86.4%	1,094	978	-116	-10.6%
87.7%	852	937	85	10.0%
88.9%	829	832	4	0.5%
90.1%	799	818	19	2.3%
91.4%	790	793	4	0.4%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	708	-10	-1.4%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,273	2	0.0%
1.2%	20,335	20,335	0	0.0%
2.5%	17,648	17,633	-16	-0.1%
3.7%	15,531	15,823	292	1.9%
4.9%	14,746	15,528	781	5.3%
6.2%	12,801	12,799	-2	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,744	-1	0.0%
9.9%	10,534	10,650	116	1.1%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,287	-11	-0.1%
13.6%	9,052	9,054	2	0.0%
14.8%	8,927	8,924	-3	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,336	-125	-1.7%
18.5%	6,778	6,546	-233	-3.4%
19.8%	6,640	6,396	-244	-3.7%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,831	13	0.2%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,478	61	1.1%
25.9%	4,982	5,419	437	8.8%
27.2%	4,907	4,889	-18	-0.4%
28.4%	4,861	4,553	-308	-6.3%
29.6%	4,565	4,341	-225	-4.9%
30.9%	4,346	4,191	-155	-3.6%
32.1%	3,937	3,926	-10	-0.3%
33.3%	3,528	3,473	-55	-1.6%
34.6%	3,392	3,433	41	1.2%
35.8%	3,364	3,371	7	0.2%
37.0%	2,907	2,759	-148	-5.1%
38.3%	2,782	2,759	-23	-0.8%
39.5%	2,644	2,724	79	3.0%
40.7%	2,487	2,644	157	6.3%
42.0%	2,482	2,440	-42	-1.7%
43.2%	2,375	2,159	-217	-9.1%
44.4%	2,079	2,086	6	0.3%
45.7%	1,863	2,026	163	8.8%
46.9%	1,712	1,927	215	12.5%
48.1%	1,704	1,835	131	7.7%
49.4%	1,676	1,811	135	8.1%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,639	8	0.5%
59.3%	1,631	1,638	7	0.4%
60.5%	1,627	1,631	4	0.3%
61.7%	1,621	1,629	8	0.5%
63.0%	1,616	1,627	11	0.7%
64.2%	1,612	1,621	10	0.6%
65.4%	1,610	1,616	7	0.4%
66.7%	1,608	1,612	3	0.2%
67.9%	1,608	1,610	2	0.1%
69.1%	1,607	1,608	2	0.1%
70.4%	1,600	1,608	8	0.5%
71.6%	1,599	1,607	8	0.5%
72.8%	1,597	1,600	3	0.2%
74.1%	1,582	1,599	16	1.0%
75.3%	1,574	1,597	23	1.4%
76.5%	1,573	1,574	1	0.1%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,573	55	3.6%
80.2%	1,418	1,518	100	7.0%
81.5%	1,375	1,488	112	8.2%
82.7%	1,340	1,426	85	6.4%
84.0%	1,325	1,424	99	7.5%
85.2%	1,296	1,375	80	6.1%
86.4%	1,173	1,335	162	13.8%
87.7%	1,149	1,073	-76	-6.6%
88.9%	1,016	963	-52	-5.2%
90.1%	973	960	-13	-1.3%
91.4%	774	960	186	24.1%
92.6%	748	774	26	3.5%
93.8%	721	764	43	6.0%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-29-7b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,568	15,563	-5	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,461	7	0.1%
4.9%	13,388	13,390	2	0.0%
6.2%	13,055	13,039	-16	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,190	-6	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,514	7	0.1%
14.8%	10,012	10,009	-3	0.0%
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%	9,165	9,153	-12	-0.1%
21.0%	7,881	7,881	0	0.0%
22.2%	7,868	7,863	-5	-0.1%
23.5%	7,716	7,668	-48	-0.6%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,026	-3	0.0%
27.2%	6,732	6,491	-241	-3.6%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,063	-12	-0.2%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,404	-147	-2.6%
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	4,620	-244	-5.0%
39.5%	4,621	4,548	-73	-1.6%
40.7%	4,549	4,319	-230	-5.1%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,236	-814	-20.1%
46.9%	3,294	3,210	-84	-2.5%
48.1%	3,218	2,933	-285	-8.9%
49.4%	2,895	2,909	15	0.5%
50.6%	2,865	2,826	-38	-1.3%
51.9%	2,723	2,775	52	1.9%
53.1%	2,452	2,673	221	9.0%
54.3%	2,395	2,457	61	2.6%
55.6%	2,347	2,376	29	1.2%
56.8%	2,066	2,335	269	13.0%
58.0%	1,895	2,320	424	22.4%
59.3%	1,814	2,068	255	14.0%
60.5%	1,754	1,775	21	1.2%
61.7%	1,747	1,646	-102	-5.8%
63.0%	1,646	1,642	-4	-0.2%
64.2%	1,642	1,640	-2	-0.1%
65.4%	1,640	1,622	-18	-1.1%
66.7%	1,622	1,565	-58	-3.6%
67.9%	1,556	1,556	-1	0.0%
69.1%	1,442	1,529	87	6.1%
70.4%	1,435	1,442	7	0.5%
71.6%	1,404	1,435	31	2.2%
72.8%	1,393	1,393	0	0.0%
74.1%	1,371	1,377	6	0.5%
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	1,312	38	3.0%
85.2%	1,253	1,269	16	1.3%
86.4%	1,152	1,253	101	8.8%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,152	166	16.8%
91.4%	954	901	-53	-5.6%
92.6%	936	895	-41	-4.4%
93.8%	842	830	-11	-1.3%
95.1%	815	828	12	1.5%
96.3%	731	815	84	11.5%
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 C 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	12,447	571	4.8%
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	10,438	2	0.0%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,400	605	7.8%
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%	5,518	5,515	-3	-0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	1	0.0%
23.5%	4,368	4,342	-27	-0.6%
24.7%	4,347	4,323	-24	-0.6%
25.9%	4,330	4,253	-77	-1.8%
27.2%	4,253	4,210	-43	-1.0%
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%	3,909	3,905	-4	-0.1%
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	3,305	1	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	3,063	65	2.2%
43.2%	2,979	2,998	19	0.6%
44.4%	2,924	2,975	51	1.7%
45.7%	2,880	2,889	10	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,419	55	2.3%
50.6%	2,223	2,351	128	5.8%
51.9%	2,080	2,338	258	12.4%
53.1%	1,952	2,297	345	17.7%
54.3%	1,882	2,223	341	18.1%
55.6%	1,872	1,936	64	3.4%
56.8%	1,864	1,883	19	1.0%
58.0%	1,788	1,867	78	4.4%
59.3%	1,678	1,864	186	11.1%
60.5%	1,670	1,680	10	0.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	28	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,597	6	0.4%
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	1,341	-21	-1.5%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,025	-10	-1.0%
79.0%	1,014	994	-19	-1.9%
80.2%	1,000	983	-17	-1.7%
81.5%	974	958	-17	-1.7%
82.7%	969	955	-14	-1.4%
84.0%	932	951	19	2.0%
85.2%	865	835	-30	-3.5%
86.4%	854	831	-23	-2.7%
87.7%	833	792	-41	-4.9%
88.9%	823	771	-52	-6.3%
90.1%	757	753	-5	-0.6%
91.4%	753	743	-10	-1.3%
92.6%	743	738	-5	-0.6%
93.8%	743	727	-15	-2.0%
95.1%	685	701	16	2.3%
96.3%	664	662	-2	-0.3%
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 C 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	6,696	4	0.1%
7.4%	6,681	6,681	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	0	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	4,315	-146	-3.3%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,155	114	2.8%
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	3,906	95	2.5%
34.6%	3,481	3,879	398	11.4%
35.8%	3,466	3,812	346	10.0%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,443	520	17.8%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,877	199	7.4%
42.0%	2,643	2,819	175	6.6%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,441	11	0.4%
48.1%	2,388	2,430	42	1.8%
49.4%	2,339	2,385	46	1.9%
50.6%	2,254	2,339	85	3.8%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,206	92	4.4%
54.3%	1,983	2,035	52	2.6%
55.6%	1,869	1,983	114	6.1%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,782	80	4.7%
60.5%	1,646	1,769	124	7.5%
61.7%	1,561	1,702	141	9.0%
63.0%	1,525	1,536	11	0.7%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,492	-11	-0.7%
67.9%	1,492	1,482	-10	-0.7%
69.1%	1,450	1,462	11	0.8%
70.4%	1,427	1,450	23	1.6%
71.6%	1,269	1,287	18	1.4%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,237	19	1.6%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,192	-6	-0.5%
80.2%	1,155	1,168	13	1.2%
81.5%	1,098	1,144	47	4.2%
82.7%	1,054	1,054	0	0.0%
84.0%	948	913	-34	-3.6%
85.2%	919	910	-9	-1.0%
86.4%	899	877	-22	-2.5%
87.7%	850	817	-34	-4.0%
88.9%	798	810	12	1.5%
90.1%	783	797	13	1.7%
91.4%	783	791	8	1.0%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	752	72	10.6%
96.3%	654	709	56	8.5%
97.5%	640	686	46	7.2%
98.8%	579	665	86	14.9%
100.0%	188	344	156	82.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,859	-30	-0.6%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,065	2	0.0%
27.2%	4,060	4,027	-33	-0.8%
28.4%	3,817	3,781	-36	-0.9%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,672	16	0.4%
32.1%	3,550	3,550	0	0.0%
33.3%	3,544	3,544	0	0.0%
34.6%	3,397	3,397	0	0.0%
35.8%	3,275	3,275	0	0.0%
37.0%	3,195	3,191	-4	-0.1%
38.3%	3,191	3,157	-34	-1.1%
39.5%	3,160	3,142	-17	-0.6%
40.7%	3,142	3,134	-9	-0.3%
42.0%	3,134	3,060	-74	-2.4%
43.2%	3,121	2,993	-128	-4.1%
44.4%	3,060	2,848	-212	-6.9%
45.7%	3,034	2,825	-209	-6.9%
46.9%	2,760	2,773	12	0.4%
48.1%	2,674	2,672	-1	-0.1%
49.4%	2,626	2,626	0	0.0%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,251	-3	-0.1%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,969	0	0.0%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,518	-131	-7.9%
60.5%	1,518	1,504	-14	-0.9%
61.7%	1,504	1,480	-24	-1.6%
63.0%	1,480	1,473	-7	-0.5%
64.2%	1,473	1,471	-3	-0.2%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,235	1	0.0%
67.9%	1,221	1,228	7	0.5%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,169	15	1.3%
75.3%	1,153	1,168	16	1.4%
76.5%	1,090	1,148	58	5.4%
77.8%	1,038	1,142	104	10.0%
79.0%	1,029	1,110	81	7.9%
80.2%	947	1,045	98	10.4%
81.5%	941	1,044	103	10.9%
82.7%	928	1,021	93	10.0%
84.0%	870	1,020	149	17.2%
85.2%	863	996	133	15.4%
86.4%	845	985	140	16.5%
87.7%	830	941	112	13.4%
88.9%	796	923	128	16.0%
90.1%	768	874	106	13.8%
91.4%	716	872	156	21.8%
92.6%	698	856	158	22.7%
93.8%	661	762	101	15.3%
95.1%	649	749	101	15.5%
96.3%	627	687	60	9.6%
97.5%	594	651	58	9.7%
98.8%	571	626	55	9.6%
100.0%	188	389	201	106.8%

Table SW-29-7b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	4,712	-27	-0.6%
21.0%	4,541	4,482	-59	-1.3%
22.2%	4,482	4,450	-32	-0.7%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,112	-204	-4.7%
27.2%	4,294	3,944	-350	-8.2%
28.4%	3,813	3,832	19	0.5%
29.6%	3,647	3,704	57	1.6%
30.9%	3,617	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,962	-538	-15.4%
34.6%	3,143	2,926	-217	-6.9%
35.8%	3,065	2,881	-184	-6.0%
37.0%	2,864	2,693	-172	-6.0%
38.3%	2,776	2,662	-114	-4.1%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,602	-60	-2.3%
42.0%	2,639	2,583	-56	-2.1%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,306	-222	-8.8%
46.9%	2,468	2,295	-173	-7.0%
48.1%	2,464	2,276	-188	-7.6%
49.4%	2,447	2,172	-275	-11.2%
50.6%	2,363	2,144	-219	-9.2%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,959	-337	-14.7%
54.3%	2,197	1,897	-300	-13.7%
55.6%	2,193	1,839	-354	-16.1%
56.8%	2,176	1,814	-362	-16.6%
58.0%	2,116	1,753	-362	-17.1%
59.3%	2,029	1,748	-281	-13.8%
60.5%	1,997	1,720	-278	-13.9%
61.7%	1,966	1,683	-283	-14.4%
63.0%	1,882	1,656	-226	-12.0%
64.2%	1,839	1,611	-227	-12.4%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,440	37	2.6%
84.0%	1,254	1,356	102	8.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,229	184	17.6%
87.7%	980	1,220	240	24.5%
88.9%	946	1,189	243	25.7%
90.1%	889	1,088	199	22.4%
91.4%	814	840	26	3.2%
92.6%	803	767	-36	-4.5%
93.8%	726	728	2	0.2%
95.1%	690	725	35	5.1%
96.3%	550	568	18	3.2%
97.5%	511	542	31	6.0%
98.8%	332	433	102	30.6%
100.0%	188	260	72	38.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,739	-5	-0.1%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,727	-8	-0.2%
4.9%	4,733	4,724	-10	-0.2%
6.2%	4,727	4,723	-5	-0.1%
7.4%	4,727	4,722	-5	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,720	-6	-0.1%
11.1%	4,724	4,720	-4	-0.1%
12.3%	4,723	4,719	-4	-0.1%
13.6%	4,723	4,709	-14	-0.3%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,695	-24	-0.5%
17.3%	4,719	4,645	-73	-1.6%
18.5%	4,718	4,394	-324	-6.9%
19.8%	4,717	4,232	-485	-10.3%
21.0%	4,717	4,144	-573	-12.2%
22.2%	4,716	4,078	-638	-13.5%
23.5%	4,712	4,054	-658	-14.0%
24.7%	4,709	4,035	-674	-14.3%
25.9%	4,707	4,031	-677	-14.4%
27.2%	4,707	4,004	-703	-14.9%
28.4%	4,702	3,786	-916	-19.5%
29.6%	4,698	3,746	-953	-20.3%
30.9%	4,690	3,723	-967	-20.6%
32.1%	4,684	3,656	-1,028	-22.0%
33.3%	4,623	3,645	-978	-21.2%
34.6%	4,424	3,601	-823	-18.6%
35.8%	4,373	3,570	-803	-18.4%
37.0%	4,364	3,497	-867	-19.9%
38.3%	4,288	3,480	-808	-18.8%
39.5%	4,282	3,429	-853	-19.9%
40.7%	4,233	3,406	-827	-19.5%
42.0%	4,232	3,264	-969	-22.9%
43.2%	4,105	3,076	-1,029	-25.1%
44.4%	3,838	3,053	-786	-20.5%
45.7%	3,723	3,008	-715	-19.2%
46.9%	3,639	2,964	-675	-18.6%
48.1%	3,615	2,953	-662	-18.3%
49.4%	3,480	2,895	-586	-16.8%
50.6%	3,323	2,811	-511	-15.4%
51.9%	3,319	2,774	-546	-16.4%
53.1%	3,262	2,762	-500	-15.3%
54.3%	3,260	2,754	-506	-15.5%
55.6%	3,123	2,738	-385	-12.3%
56.8%	3,068	2,723	-345	-11.2%
58.0%	2,979	2,674	-305	-10.2%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,613	-222	-7.8%
61.7%	2,819	2,608	-212	-7.5%
63.0%	2,772	2,602	-170	-6.1%
64.2%	2,754	2,561	-193	-7.0%
65.4%	2,750	2,538	-213	-7.7%
66.7%	2,706	2,508	-198	-7.3%
67.9%	2,659	2,477	-181	-6.8%
69.1%	2,623	2,466	-157	-6.0%
70.4%	2,609	2,453	-156	-6.0%
71.6%	2,578	2,446	-132	-5.1%
72.8%	2,477	2,441	-36	-1.5%
74.1%	2,466	2,396	-70	-2.9%
75.3%	2,457	2,383	-74	-3.0%
76.5%	2,396	2,309	-86	-3.6%
77.8%	2,383	2,291	-92	-3.9%
79.0%	2,382	2,247	-135	-5.7%
80.2%	2,247	2,238	-9	-0.4%
81.5%	2,225	2,129	-96	-4.3%
82.7%	2,102	1,972	-131	-6.2%
84.0%	1,849	1,969	120	6.5%
85.2%	1,824	1,935	111	6.1%
86.4%	1,644	1,874	231	14.0%
87.7%	1,542	1,336	-206	-13.4%
88.9%	1,443	1,314	-129	-8.9%
90.1%	1,413	1,192	-221	-15.6%
91.4%	1,349	1,176	-173	-12.9%
92.6%	1,190	1,096	-94	-7.9%
93.8%	1,091	1,080	-11	-1.0%
95.1%	588	1,073	485	82.5%
96.3%	556	877	321	57.7%
97.5%	546	851	305	56.0%
98.8%	188	454	266	141.4%
100.0%	188	250	62	32.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,201	16	0.4%
1.2%	4,068	4,186	117	2.9%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	3	0.1%
4.9%	3,838	3,838	0	0.0%
6.2%	3,809	3,809	0	0.0%
7.4%	3,778	3,782	4	0.1%
8.6%	3,757	3,757	0	0.0%
9.9%	3,747	3,747	0	0.0%
11.1%	3,742	3,717	-25	-0.7%
12.3%	3,717	3,703	-15	-0.4%
13.6%	3,703	3,685	-17	-0.5%
14.8%	3,685	3,634	-52	-1.4%
16.0%	3,634	3,623	-10	-0.3%
17.3%	3,548	3,500	-48	-1.4%
18.5%	3,421	3,330	-91	-2.7%
19.8%	3,392	3,317	-75	-2.2%
21.0%	3,192	3,288	96	3.0%
22.2%	3,157	3,203	47	1.5%
23.5%	3,143	3,156	12	0.4%
24.7%	3,136	3,115	-21	-0.7%
25.9%	3,125	3,057	-68	-2.2%
27.2%	3,008	3,052	44	1.5%
28.4%	2,967	2,903	-64	-2.2%
29.6%	2,941	2,902	-39	-1.3%
30.9%	2,892	2,891	-1	0.0%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,737	50	1.8%
34.6%	2,628	2,725	97	3.7%
35.8%	2,625	2,715	90	3.4%
37.0%	2,594	2,713	119	4.6%
38.3%	2,562	2,605	43	1.7%
39.5%	2,501	2,571	70	2.8%
40.7%	2,398	2,563	165	6.9%
42.0%	2,393	2,487	94	3.9%
43.2%	2,391	2,479	88	3.7%
44.4%	2,372	2,467	95	4.0%
45.7%	2,360	2,389	29	1.2%
46.9%	2,323	2,353	31	1.3%
48.1%	2,238	2,316	78	3.5%
49.4%	2,224	2,296	72	3.3%
50.6%	2,158	2,215	57	2.7%
51.9%	2,098	2,105	7	0.3%
53.1%	2,079	2,062	-17	-0.8%
54.3%	2,074	2,019	-55	-2.6%
55.6%	2,063	1,991	-72	-3.5%
56.8%	2,029	1,950	-78	-3.9%
58.0%	2,020	1,814	-206	-10.2%
59.3%	2,013	1,804	-209	-10.4%
60.5%	1,982	1,782	-200	-10.1%
61.7%	1,949	1,722	-227	-11.7%
63.0%	1,866	1,719	-147	-7.9%
64.2%	1,726	1,715	-11	-0.6%
65.4%	1,699	1,707	8	0.5%
66.7%	1,667	1,627	-40	-2.4%
67.9%	1,617	1,611	-6	-0.4%
69.1%	1,489	1,591	102	6.8%
70.4%	1,489	1,586	97	6.5%
71.6%	1,482	1,583	102	6.9%
72.8%	1,473	1,575	102	6.9%
74.1%	1,470	1,521	51	3.5%
75.3%	1,470	1,489	19	1.3%
76.5%	1,466	1,480	14	0.9%
77.8%	1,370	1,472	102	7.5%
79.0%	1,213	1,453	240	19.8%
80.2%	1,102	1,397	295	26.7%
81.5%	1,093	1,331	238	21.7%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,001	8	0.8%
86.4%	922	997	75	8.1%
87.7%	750	979	228	30.4%
88.9%	728	894	166	22.8%
90.1%	723	846	122	16.9%
91.4%	703	814	111	15.8%
92.6%	624	769	145	23.2%
93.8%	571	731	160	28.1%
95.1%	561	699	138	24.6%
96.3%	549	629	80	14.6%
97.5%	545	535	-10	-1.9%
98.8%	444	442	-2	-0.4%
100.0%	188	298	110	58.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,413	-378	-7.9%
2.5%	4,781	4,412	-369	-7.7%
3.7%	4,778	4,354	-424	-8.9%
4.9%	4,773	4,341	-432	-9.1%
6.2%	4,751	4,183	-568	-12.0%
7.4%	4,679	4,144	-535	-11.4%
8.6%	4,607	4,084	-523	-11.4%
9.9%	4,514	4,051	-462	-10.2%
11.1%	4,494	4,045	-449	-10.0%
12.3%	4,463	4,039	-424	-9.5%
13.6%	4,341	3,984	-356	-8.2%
14.8%	4,265	3,880	-385	-9.0%
16.0%	4,210	3,834	-377	-8.9%
17.3%	4,144	3,812	-332	-8.0%
18.5%	4,089	3,800	-289	-7.1%
19.8%	4,080	3,797	-283	-6.9%
21.0%	4,039	3,789	-251	-6.2%
22.2%	4,004	3,788	-216	-5.4%
23.5%	4,001	3,779	-222	-5.5%
24.7%	3,965	3,762	-203	-5.1%
25.9%	3,960	3,756	-203	-5.1%
27.2%	3,840	3,756	-85	-2.2%
28.4%	3,758	3,718	-40	-1.1%
29.6%	3,712	3,681	-31	-0.8%
30.9%	3,684	3,656	-28	-0.7%
32.1%	3,660	3,614	-46	-1.3%
33.3%	3,453	3,575	121	3.5%
34.6%	3,337	3,523	187	5.6%
35.8%	3,078	3,502	424	13.8%
37.0%	2,813	3,372	559	19.9%
38.3%	2,784	3,196	412	14.8%
39.5%	2,739	3,185	447	16.3%
40.7%	2,610	2,957	347	13.3%
42.0%	2,588	2,953	365	14.1%
43.2%	2,569	2,513	-56	-2.2%
44.4%	2,428	2,467	39	1.6%
45.7%	2,368	2,439	71	3.0%
46.9%	2,350	2,437	87	3.7%
48.1%	2,286	2,420	135	5.9%
49.4%	2,119	2,419	300	14.2%
50.6%	2,029	2,296	266	13.1%
51.9%	2,027	2,249	222	11.0%
53.1%	1,897	2,131	234	12.3%
54.3%	1,842	2,009	167	9.1%
55.6%	1,835	1,938	103	5.6%
56.8%	1,813	1,935	122	6.7%
58.0%	1,806	1,903	98	5.4%
59.3%	1,776	1,774	-2	-0.1%
60.5%	1,763	1,761	-2	-0.1%
61.7%	1,722	1,746	24	1.4%
63.0%	1,671	1,640	-31	-1.9%
64.2%	1,665	1,447	-219	-13.1%
65.4%	1,610	1,431	-179	-11.1%
66.7%	1,585	1,425	-159	-10.1%
67.9%	1,535	1,422	-113	-7.4%
69.1%	1,438	1,395	-43	-3.0%
70.4%	1,396	1,335	-61	-4.4%
71.6%	1,357	1,323	-34	-2.5%
72.8%	1,339	1,323	-16	-1.2%
74.1%	1,318	1,308	-10	-0.8%
75.3%	1,312	1,255	-56	-4.3%
76.5%	1,286	1,190	-96	-7.4%
77.8%	1,280	1,157	-124	-9.7%
79.0%	1,150	1,151	2	0.1%
80.2%	1,109	1,135	27	2.4%
81.5%	944	1,130	186	19.7%
82.7%	906	1,064	158	17.4%
84.0%	805	1,042	237	29.5%
85.2%	790	942	152	19.2%
86.4%	771	940	169	22.0%
87.7%	758	885	127	16.7%
88.9%	754	837	84	11.1%
90.1%	707	836	129	18.2%
91.4%	633	824	191	30.2%
92.6%	606	791	185	30.6%
93.8%	605	790	185	30.6%
95.1%	603	718	116	19.2%
96.3%	598	602	4	0.6%
97.5%	367	602	235	64.2%
98.8%	281	447	166	59.2%
100.0%	281	281	0	0.0%

Table SW-46-7a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
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 C	3,187	3,230	5,390	7,969	9,123	9,334	5,620	6,325	6,063	8,751	6,003	5,712
Difference	-204	-80	-299	-35	189	46	-41	-70	148	-2	45	301
Percent Difference[3]	-6.0%	-2.4%	-5.2%	-0.4%	2.1%	0.5%	-0.7%	-1.1%	2.5%	0.0%	0.8%	5.6%
	Water Year Types[2]											
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 C	4,100	4,337	7,025	17,023	17,730	18,253	10,725	12,704	9,451	8,581	5,364	9,254
Difference	-312	-204	-579	-32	172	12	5	1	222	3	-8	97
Percent Difference	-7.1%	-4.5%	-7.6%	-0.2%	1.0%	0.1%	0.0%	0.0%	2.4%	0.0%	-0.1%	1.1%
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 C	3,999	3,402	4,579	7,227	9,778	11,946	5,461	6,493	6,394	10,201	7,039	7,971
Difference	-144	-15	-649	-42	280	311	0	90	464	-8	-407	288
Percent Difference	-3.5%	-0.4%	-12.4%	-0.6%	2.9%	2.7%	0.0%	1.4%	7.8%	-0.1%	-5.5%	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 C	3,125	3,287	5,803	3,493	6,080	4,149	3,451	3,118	4,760	9,820	7,177	3,531
Difference	-208	-18	485	-247	677	7	0	-19	415	-26	-337	296
Percent Difference	-6.2%	-0.6%	9.1%	-6.6%	12.5%	0.2%	0.0%	-0.6%	9.5%	-0.3%	-4.5%	9.2%
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 C	2,114	2,467	5,207	2,552	3,124	3,232	2,597	2,317	3,944	8,747	7,288	3,207
Difference	-419	-38	-432	-59	-55	-147	-55	-325	-230	-18	639	714
Percent Difference	-16.5%	-1.5%	-7.7%	-2.3%	-1.7%	-4.3%	-2.1%	-12.3%	-5.5%	-0.2%	9.6%	28.7%
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 C	2,076	1,734	2,450	2,445	2,369	2,602	1,782	2,087	3,092	6,426	3,055	2,083
Difference	296	-13	-54	248	-67	188	-208	-62	-74	44	170	142
Percent Difference	16.7%	-0.7%	-2.2%	11.3%	-2.8%	7.8%	-10.4%	-2.9%	-2.3%	0.7%	5.9%	7.3%

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-46-7b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

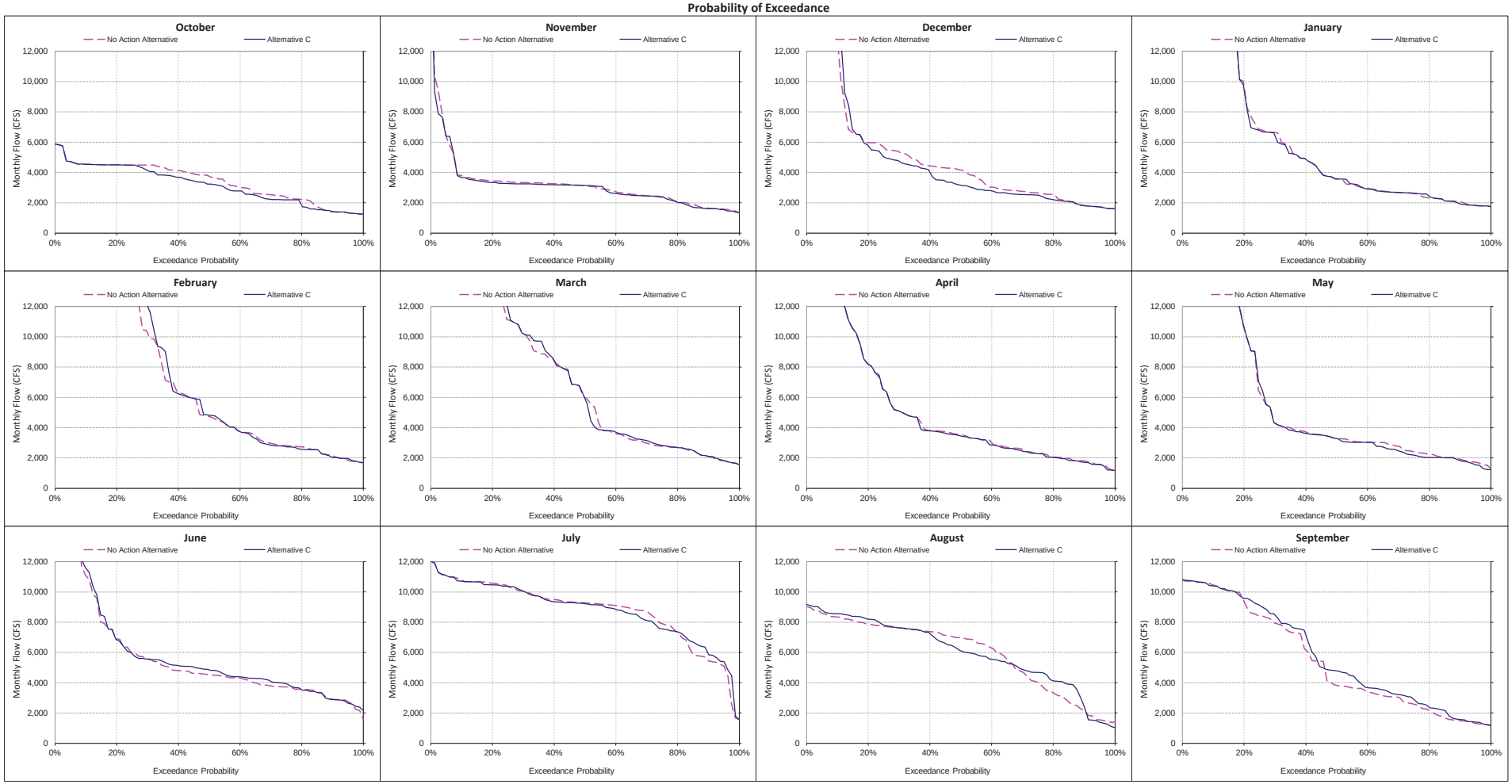

Table SW-46-7b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,874	-9	-0.2%
1.2%	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	4,641	1	0.0%
7.4%	4,558	4,557	-1	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	4,523	-3	-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	-6	-0.1%
18.5%	4,507	4,504	-3	-0.1%
19.8%	4,505	4,501	-4	-0.1%
21.0%	4,501	4,499	-2	0.0%
22.2%	4,499	4,491	-8	-0.2%
23.5%	4,496	4,490	-6	-0.1%
24.7%	4,493	4,490	-3	-0.1%
25.9%	4,492	4,489	-3	-0.1%
27.2%	4,492	4,397	-94	-2.1%
28.4%	4,491	4,303	-188	-4.2%
29.6%	4,489	4,174	-315	-7.0%
30.9%	4,489	4,057	-432	-9.6%
32.1%	4,484	4,047	-438	-9.8%
33.3%	4,392	3,838	-554	-12.6%
34.6%	4,376	3,832	-544	-12.4%
35.8%	4,282	3,821	-460	-10.8%
37.0%	4,178	3,808	-370	-8.9%
38.3%	4,155	3,751	-405	-9.7%
39.5%	4,128	3,690	-439	-10.6%
40.7%	4,122	3,687	-435	-10.6%
42.0%	4,057	3,589	-469	-11.6%
43.2%	3,992	3,513	-479	-12.0%
44.4%	3,942	3,471	-471	-12.0%
45.7%	3,874	3,393	-481	-12.4%
46.9%	3,842	3,374	-468	-12.2%
48.1%	3,839	3,351	-488	-12.7%
49.4%	3,817	3,239	-578	-15.1%
50.6%	3,678	3,236	-442	-12.0%
51.9%	3,675	3,204	-471	-12.8%
53.1%	3,574	3,146	-428	-12.0%
54.3%	3,572	3,096	-476	-13.3%
55.6%	3,318	2,932	-385	-11.6%
56.8%	3,157	2,822	-335	-10.6%
58.0%	3,124	2,789	-334	-10.7%
59.3%	3,083	2,778	-306	-9.9%
60.5%	3,006	2,776	-230	-7.6%
61.7%	2,977	2,568	-409	-13.7%
63.0%	2,935	2,562	-373	-12.7%
64.2%	2,621	2,527	-93	-3.6%
65.4%	2,606	2,476	-130	-5.0%
66.7%	2,579	2,375	-204	-7.9%
67.9%	2,566	2,275	-291	-11.3%
69.1%	2,549	2,244	-305	-12.0%
70.4%	2,529	2,209	-319	-12.6%
71.6%	2,476	2,207	-269	-10.9%
72.8%	2,463	2,206	-257	-10.4%
74.1%	2,447	2,199	-248	-10.1%
75.3%	2,324	2,197	-127	-5.5%
76.5%	2,276	2,197	-79	-3.5%
77.8%	2,241	2,190	-51	-2.3%
79.0%	2,236	2,190	-47	-2.1%
80.2%	2,206	1,729	-477	-21.6%
81.5%	2,193	1,716	-476	-21.7%
82.7%	2,121	1,595	-526	-24.8%
84.0%	1,892	1,592	-300	-15.8%
85.2%	1,717	1,541	-176	-10.3%
86.4%	1,595	1,540	-54	-3.4%
87.7%	1,501	1,492	-9	-0.6%
88.9%	1,411	1,487	77	5.4%
90.1%	1,410	1,410	0	0.0%
91.4%	1,392	1,394	2	0.1%
92.6%	1,390	1,391	0	0.0%
93.8%	1,390	1,391	1	0.1%
95.1%	1,333	1,331	-3	-0.2%
96.3%	1,304	1,302	-2	-0.1%
97.5%	1,299	1,296	-3	-0.2%
98.8%	1,261	1,260	-1	-0.1%
100.0%	1,254	1,252	-2	-0.2%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	10,400	9,363	-1,037	-10.0%
2.5%	9,369	7,878	-1,490	-15.9%
3.7%	7,878	7,674	-205	-2.6%
4.9%	6,402	6,402	0	0.0%
6.2%	5,780	6,388	608	10.5%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,794	-39	-1.0%
9.9%	3,798	3,669	-129	-3.4%
11.1%	3,669	3,653	-16	-0.4%
12.3%	3,661	3,553	-108	-2.9%
13.6%	3,588	3,508	-80	-2.2%
14.8%	3,553	3,485	-68	-1.9%
16.0%	3,516	3,436	-79	-2.3%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,465	3,347	-118	-3.4%
19.8%	3,435	3,336	-99	-2.9%
21.0%	3,434	3,332	-102	-3.0%
22.2%	3,430	3,285	-145	-4.2%
23.5%	3,398	3,280	-119	-3.5%
24.7%	3,393	3,267	-126	-3.7%
25.9%	3,368	3,266	-103	-3.0%
27.2%	3,349	3,257	-92	-2.7%
28.4%	3,347	3,254	-93	-2.8%
29.6%	3,339	3,254	-85	-2.6%
30.9%	3,336	3,253	-83	-2.5%
32.1%	3,332	3,250	-82	-2.5%
33.3%	3,317	3,229	-88	-2.6%
34.6%	3,308	3,223	-86	-2.6%
35.8%	3,294	3,213	-81	-2.5%
37.0%	3,280	3,201	-79	-2.4%
38.3%	3,267	3,196	-71	-2.2%
39.5%	3,266	3,196	-70	-2.2%
40.7%	3,257	3,183	-74	-2.3%
42.0%	3,253	3,176	-77	-2.4%
43.2%	3,229	3,169	-60	-1.9%
44.4%	3,223	3,165	-58	-1.8%
45.7%	3,183	3,163	-20	-0.6%
46.9%	3,167	3,160	-6	-0.2%
48.1%	3,159	3,159	0	0.0%
49.4%	3,157	3,157	0	0.0%
50.6%	3,111	3,143	32	1.0%
51.9%	3,068	3,137	69	2.2%
53.1%	3,058	3,111	53	1.7%
54.3%	2,907	3,078	171	5.9%
55.6%	2,906	3,078	171	5.9%
56.8%	2,892	2,791	-101	-3.5%
58.0%	2,824	2,659	-165	-5.8%
59.3%	2,791	2,628	-163	-5.8%
60.5%	2,687	2,599	-88	-3.3%
61.7%	2,661	2,560	-101	-3.8%
63.0%	2,628	2,530	-98	-3.7%
64.2%	2,599	2,522	-77	-3.0%
65.4%	2,560	2,486	-74	-2.9%
66.7%	2,530	2,486	-44	-1.8%
67.9%	2,515	2,482	-33	-1.3%
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	2,239	-132	-5.6%
77.8%	2,267	2,185	-82	-3.6%
79.0%	2,129	2,115	-14	-0.7%
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	1,696	-189	-10.0%
86.4%	1,788	1,674	-114	-6.4%
87.7%	1,699	1,656	-43	-2.5%
88.9%	1,674	1,611	-63	-3.8%
90.1%	1,635	1,605	-30	-1.8%
91.4%	1,611	1,602	-9	-0.6%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,566	-35	-2.2%
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 C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	25,040	397	1.6%
2.5%	24,159	23,469	-690	-2.9%
3.7%	23,945	22,265	-1,681	-7.0%
4.9%	18,630	17,015	-1,614	-8.7%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,907	-654	-4.2%
8.6%	14,052	13,736	-316	-2.3%
9.9%	13,127	12,901	-225	-1.7%
11.1%	10,175	12,770	2,594	25.5%
12.3%	8,453	9,237	784	9.3%
13.6%	6,843	8,451	1,607	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	5,960	-112	-1.8%
19.8%	5,977	5,809	-168	-2.8%
21.0%	5,971	5,498	-473	-7.9%
22.2%	5,960	5,460	-500	-8.4%
23.5%	5,893	5,411	-482	-8.2%
24.7%	5,728	5,076	-652	-11.4%
25.9%	5,498	4,939	-560	-10.2%
27.2%	5,470	4,900	-569	-10.4%
28.4%	5,449	4,826	-623	-11.4%
29.6%	5,410	4,800	-610	-11.3%
30.9%	5,245	4,619	-626	-11.9%
32.1%	5,223	4,564	-659	-12.6%
33.3%	5,076	4,508	-568	-11.2%
34.6%	4,845	4,435	-410	-8.5%
35.8%	4,829	4,430	-399	-8.3%
37.0%	4,564	4,283	-281	-6.1%
38.3%	4,507	4,249	-257	-5.7%
39.5%	4,432	4,190	-242	-5.5%
40.7%	4,427	3,713	-714	-16.1%
42.0%	4,390	3,517	-873	-19.9%
43.2%	4,319	3,500	-819	-19.0%
44.4%	4,315	3,485	-830	-19.2%
45.7%	4,292	3,346	-946	-22.0%
46.9%	4,283	3,344	-939	-21.9%
48.1%	4,259	3,245	-1,014	-23.8%
49.4%	4,190	3,190	-1,000	-23.9%
50.6%	4,146	3,129	-1,017	-24.5%
51.9%	3,976	3,120	-856	-21.5%
53.1%	3,840	3,036	-804	-20.9%
54.3%	3,802	2,970	-832	-21.9%
55.6%	3,567	2,860	-706	-19.8%
56.8%	3,500	2,860	-640	-18.3%
58.0%	3,190	2,821	-369	-11.6%
59.3%	3,035	2,821	-214	-7.1%
60.5%	3,029	2,764	-265	-8.7%
61.7%	2,970	2,661	-309	-10.4%
63.0%	2,860	2,657	-204	-7.1%
64.2%	2,860	2,656	-203	-7.1%
65.4%	2,822	2,608	-214	-7.6%
66.7%	2,821	2,579	-242	-8.6%
67.9%	2,820	2,571	-249	-8.8%
69.1%	2,764	2,554	-210	-7.6%
70.4%	2,740	2,552	-188	-6.9%
71.6%	2,724	2,538	-186	-6.8%
72.8%	2,661	2,530	-130	-4.9%
74.1%	2,656	2,506	-150	-5.6%
75.3%	2,648	2,503	-146	-5.5%
76.5%	2,592	2,398	-194	-7.5%
77.8%	2,569	2,278	-291	-11.3%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,187	-367	-14.4%
81.5%	2,241	2,145	-96	-4.3%
82.7%	2,189	2,130	-59	-2.7%
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	1,784	0	0.0%
92.6%	1,763	1,762	-1	-0.1%
93.8%	1,755	1,755	0	0.0%
95.1%	1,721	1,708	-13	-0.7%
96.3%	1,708	1,668	-40	-2.3%
97.5%	1,633	1,633	0	0.0%
98.8%	1,613	1,613	0	0.0%
100.0%	1,611	1,611	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,669	62,664	-5	0.0%
1.2%	51,110	51,107	-3	0.0%
2.5%	30,266	29,960	-306	-1.0%
3.7%	29,961	29,371	-591	-2.0%
4.9%	29,228	29,024	-205	-0.7%
6.2%	25,712	25,709	-3	0.0%
7.4%	23,958	24,169	211	0.9%
8.6%	20,978	22,857	1,879	9.0%
9.9%	20,603	20,704	101	0.5%
11.1%	19,127	19,123	-4	0.0%
12.3%	18,537	18,538	1	0.0%
13.6%	18,029	18,029	0	0.0%
14.8%	17,696	17,087	-609	-3.4%
16.0%	16,933	16,929	-4	0.0%
17.3%	13,957	13,339	-618	-4.4%
18.5%	10,144	10,144	0	0.0%
19.8%	10,035	9,780	-255	-2.5%
21.0%	8,291	8,119	-172	-2.1%
22.2%	7,700	6,959	-741	-9.6%
23.5%	7,263	6,865	-398	-5.5%
24.7%	6,865	6,808	-58	-0.8%
25.9%	6,808	6,680	-128	-1.9%
27.2%	6,683	6,670	-13	-0.2%
28.4%	6,670	6,650	-20	-0.3%
29.6%	6,650	6,614	-36	-0.5%
30.9%	6,614	6,003	-611	-9.2%
32.1%	6,003	5,886	-117	-1.9%
33.3%	5,886	5,830	-56	-1.0%
34.6%	5,830	5,264	-566	-9.7%
35.8%	5,253	5,245	-8	-0.2%
37.0%	5,160	5,160	0	0.0%
38.3%	4,939	4,939	0	0.0%
39.5%	4,937	4,937	0	0.0%
40.7%	4,755	4,755	0	0.0%
42.0%	4,617	4,617	0	0.0%
43.2%	4,464	4,464	0	0.0%
44.4%	4,107	4,107	0	0.0%
45.7%	3,818	3,818	0	0.0%
46.9%	3,753	3,753	0	0.0%
48.1%	3,727	3,727	0	0.0%
49.4%	3,564	3,595	30	0.9%
50.6%	3,562	3,564	2	0.1%
51.9%	3,549	3,562	13	0.4%
53.1%	3,235	3,549	314	9.7%
54.3%	3,209	3,262	53	1.6%
55.6%	3,199	3,234	34	1.1%
56.8%	3,080	3,199	119	3.9%
58.0%	3,024	3,014	-9	-0.3%
59.3%	3,014	2,929	-85	-2.8%
60.5%	2,929	2,897	-33	-1.1%
61.7%	2,897	2,888	-9	-0.3%
63.0%	2,888	2,776	-112	-3.9%
64.2%	2,776	2,765	-11	-0.4%
65.4%	2,765	2,735	-30	-1.1%
66.7%	2,722	2,722	0	0.0%
67.9%	2,700	2,702	2	0.1%
69.1%	2,676	2,700	24	0.9%
70.4%	2,668	2,676	8	0.3%
71.6%	2,665	2,668	3	0.1%
72.8%	2,640	2,665	26	1.0%
74.1%	2,624	2,640	16	0.6%
75.3%	2,597	2,624	27	1.0%
76.5%	2,584	2,597	13	0.5%
77.8%	2,397	2,585	188	7.8%
79.0%	2,338	2,584	245	10.5%
80.2%	2,312	2,397	86	3.7%
81.5%	2,309	2,294	-16	-0.7%
82.7%	2,278	2,278	0	0.0%
84.0%	2,255	2,255	0	0.0%
85.2%	2,167	2,118	-49	-2.3%
86.4%	2,118	2,105	-13	-0.6%
87.7%	2,105	2,091	-15	-0.7%
88.9%	2,091	2,033	-58	-2.8%
90.1%	2,053	1,914	-139	-6.8%
91.4%	1,986	1,871	-115	-5.8%
92.6%	1,871	1,845	-26	-1.4%
93.8%	1,845	1,845	0	0.0%
95.1%	1,817	1,808	-9	-0.5%
96.3%	1,808	1,788	-20	-1.1%
97.5%	1,788	1,787	-1	-0.1%
98.8%	1,785	1,785	0	0.0%
100.0%	1,742	1,742	0	0.0%

Table SW-46-7b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,158	40,174	16	0.0%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,767	-3	0.0%
3.7%	28,349	28,347	-2	0.0%
4.9%	27,561	27,559	-1	0.0%
6.2%	26,981	25,837	-1,145	-4.2%
7.4%	24,966	24,962	-5	0.0%
8.6%	22,575	22,576	1	0.0%
9.9%	22,284	22,209	-76	-0.3%
11.1%	21,422	20,828	-594	-2.8%
12.3%	19,559	19,557	-1	0.0%
13.6%	19,495	19,499	3	0.0%
14.8%	18,948	18,946	-2	0.0%
16.0%	16,366	18,352	1,985	12.1%
17.3%	16,361	16,366	5	0.0%
18.5%	16,236	16,352	116	0.7%
19.8%	16,202	16,238	36	0.2%
21.0%	15,487	16,199	711	4.6%
22.2%	15,450	15,487	37	0.2%
23.5%	14,987	15,448	461	3.1%
24.7%	14,260	15,167	907	6.4%
25.9%	13,228	14,983	1,755	13.3%
27.2%	12,237	14,289	2,053	16.8%
28.4%	10,473	13,228	2,755	26.3%
29.6%	10,415	12,234	1,820	17.5%
30.9%	9,879	11,619	1,741	17.6%
32.1%	9,844	10,471	628	6.4%
33.3%	9,371	9,367	-4	0.0%
34.6%	8,263	9,274	1,011	12.2%
35.8%	7,143	9,027	1,884	26.4%
37.0%	7,024	7,574	550	7.8%
38.3%	7,020	6,420	-600	-8.6%
39.5%	6,420	6,278	-142	-2.2%
40.7%	6,285	6,203	-82	-1.3%
42.0%	6,203	6,098	-106	-1.7%
43.2%	6,022	6,023	0	0.0%
44.4%	5,972	5,970	-2	0.0%
45.7%	5,905	5,905	0	0.0%
46.9%	4,869	5,862	993	20.4%
48.1%	4,808	4,869	61	1.3%
49.4%	4,772	4,841	69	1.5%
50.6%	4,700	4,805	105	2.2%
51.9%	4,593	4,772	179	3.9%
53.1%	4,413	4,593	181	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	2,999	-172	-5.4%
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	-54	-1.9%
76.5%	2,791	2,734	-56	-2.0%
77.8%	2,782	2,699	-84	-3.0%
79.0%	2,738	2,600	-139	-5.1%
80.2%	2,734	2,565	-169	-6.2%
81.5%	2,699	2,554	-145	-5.4%
82.7%	2,600	2,550	-50	-1.9%
84.0%	2,550	2,548	-1	-0.1%
85.2%	2,548	2,544	-4	-0.2%
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	1,967	135	7.4%
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%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,953	47,953	0	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,116	-2	0.0%
3.7%	33,152	33,931	779	2.3%
4.9%	27,878	27,387	-491	-1.8%
6.2%	27,382	25,821	-1,561	-5.7%
7.4%	24,884	24,881	-4	0.0%
8.6%	20,294	20,292	-2	0.0%
9.9%	20,193	20,189	-4	0.0%
11.1%	18,307	18,442	135	0.7%
12.3%	17,849	18,208	360	2.0%
13.6%	17,403	17,843	440	2.5%
14.8%	17,110	17,109	-2	0.0%
16.0%	16,929	16,927	-2	0.0%
17.3%	16,374	16,381	7	0.0%
18.5%	15,503	15,481	-22	-0.1%
19.8%	14,997	14,993	-4	0.0%
21.0%	12,938	13,453	515	4.0%
22.2%	12,823	12,939	117	0.9%
23.5%	12,150	12,835	685	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	10,941	0	0.0%
28.4%	10,805	10,807	2	0.0%
29.6%	10,202	10,252	50	0.5%
30.9%	10,111	10,111	0	0.0%
32.1%	9,754	10,099	345	3.5%
33.3%	9,089	9,753	664	7.3%
34.6%	9,001	9,718	717	8.0%
35.8%	8,873	9,715	842	9.5%
37.0%	8,861	9,098	238	2.7%
38.3%	8,617	8,838	221	2.6%
39.5%	8,560	8,610	51	0.6%
40.7%	8,248	8,098	-150	-1.8%
42.0%	8,040	8,019	-21	-0.3%
43.2%	7,886	7,870	-15	-0.2%
44.4%	7,880	7,758	-122	-1.5%
45.7%	6,870	6,863	-7	-0.1%
46.9%	6,851	6,853	2	0.0%
48.1%	6,763	6,763	0	0.0%
49.4%	6,076	6,204	129	2.1%
50.6%	5,904	5,588	-316	-5.4%
51.9%	5,583	4,465	-1,118	-20.0%
53.1%	5,349	4,040	-1,308	-24.5%
54.3%	4,347	3,874	-473	-10.9%
55.6%	3,803	3,856	53	1.4%
56.8%	3,796	3,803	6	0.2%
58.0%	3,778	3,796	19	0.5%
59.3%	3,608	3,778	169	4.7%
60.5%	3,586	3,657	71	2.0%
61.7%	3,574	3,586	12	0.3%
63.0%	3,401	3,574	173	5.1%
64.2%	3,259	3,469	210	6.5%
65.4%	3,183	3,372	189	5.9%
66.7%	3,179	3,251	72	2.3%
67.9%	3,158	3,240	81	2.6%
69.1%	3,021	3,183	162	5.4%
70.4%	2,968	3,134	166	5.6%
71.6%	2,863	3,021	157	5.5%
72.8%	2,809	2,933	124	4.4%
74.1%	2,790	2,863	74	2.6%
75.3%	2,755	2,809	54	2.0%
76.5%	2,748	2,790	42	1.5%
77.8%	2,746	2,720	-25	-0.9%
79.0%	2,720	2,718	-2	-0.1%
80.2%	2,718	2,680	-38	-1.4%
81.5%	2,668	2,668	0	0.0%
82.7%	2,583	2,590	6	0.2%
84.0%	2,496	2,583	88	3.5%
85.2%	2,487	2,487	0	0.0%
86.4%	2,331	2,331	0	0.0%
87.7%	2,179	2,179	0	0.0%
88.9%	2,168	2,168	0	0.0%
90.1%	2,100	2,099	-2	-0.1%
91.4%	2,024	2,096	72	3.5%
92.6%	1,886	1,983	97	5.1%
93.8%	1,830	1,886	56	3.1%
95.1%	1,828	1,830	2	0.1%
96.3%	1,747	1,747	0	0.0%
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%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,262	-2	0.0%
2.5%	19,254	19,256	2	0.0%
3.7%	18,447	18,446	0	0.0%
4.9%	18,372	18,361	-11	-0.1%
6.2%	15,100	15,095	-5	0.0%
7.4%	14,552	14,571	19	0.1%
8.6%	13,680	13,680	-1	0.0%
9.9%	13,327	13,327	0	0.0%
11.1%	12,224	12,222	-2	0.0%
12.3%	11,986	11,986	0	0.0%
13.6%	11,073	11,093	20	0.2%
14.8%	10,588	10,595	7	0.1%
16.0%	10,251	10,250	-1	0.0%
17.3%	9,552	9,552	0	0.0%
18.5%	8,543	8,541	-2	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	113	1.5%
24.7%	6,549	6,552	3	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%	4,767	4,769	2	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	3,802	-92	-2.4%
39.5%	3,802	3,796	-5	-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	-40	-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	-89	-2.4%
48.1%	3,590	3,529	-61	-1.7%
49.4%	3,561	3,485	-76	-2.1%
50.6%	3,531	3,426	-105	-3.0%
51.9%	3,426	3,401	-25	-0.7%
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	-9.3%
60.5%	2,888	2,856	-32	-1.1%
61.7%	2,856	2,812	-44	-1.5%
63.0%	2,813	2,722	-91	-3.2%
64.2%	2,726	2,646	-80	-2.9%
65.4%	2,672	2,635	-37	-1.4%
66.7%	2,646	2,625	-21	-0.8%
67.9%	2,637	2,542	-95	-3.6%
69.1%	2,631	2,519	-112	-4.3%
70.4%	2,544	2,423	-121	-4.7%
71.6%	2,423	2,389	-34	-1.4%
72.8%	2,393	2,312	-80	-3.4%
74.1%	2,312	2,306	-6	-0.3%
75.3%	2,306	2,285	-21	-0.9%
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	2,033	-29	-1.4%
81.5%	2,047	2,019	-28	-1.4%
82.7%	2,019	1,967	-52	-2.6%
84.0%	2,015	1,946	-68	-3.4%
85.2%	1,969	1,822	-146	-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	1,706	-98	-5.5%
91.4%	1,735	1,689	-46	-2.6%
92.6%	1,693	1,580	-113	-6.7%
93.8%	1,580	1,575	-5	-0.3%
95.1%	1,575	1,571	-4	-0.3%
96.3%	1,571	1,484	-87	-5.5%
97.5%	1,371	1,205	-166	-12.1%
98.8%	1,205	1,205	0	0.0%
100.0%	1,205	1,170	-35	-2.9%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,483	31,481	-3	0.0%
1.2%	28,210	28,209	0	0.0%
2.5%	26,842	26,845	3	0.0%
3.7%	25,620	25,621	2	0.0%
4.9%	20,460	20,460	0	0.0%
6.2%	18,848	18,848	0	0.0%
7.4%	18,778	18,775	-3	0.0%
8.6%	18,616	18,650	35	0.2%
9.9%	15,502	15,502	0	0.0%
11.1%	15,064	15,064	0	0.0%
12.3%	14,611	14,613	3	0.0%
13.6%	13,834	13,829	-5	0.0%
14.8%	13,531	13,528	-3	0.0%
16.0%	12,434	12,435	1	0.0%
17.3%	12,279	12,278	-2	0.0%
18.5%	11,938	11,943	5	0.0%
19.8%	10,776	10,768	-8	-0.1%
21.0%	9,895	9,893	-1	0.0%
22.2%	9,071	9,070	-1	0.0%
23.5%	9,042	9,053	11	0.1%
24.7%	6,460	7,053	593	9.2%
25.9%	5,978	6,457	478	8.0%
27.2%	5,521	5,522	0	0.0%
28.4%	5,382	5,379	-3	-0.1%
29.6%	4,338	4,338	0	0.0%
30.9%	4,191	4,191	0	0.0%
32.1%	4,108	4,108	0	0.0%
33.3%	4,028	4,017	-10	-0.3%
34.6%	4,017	3,842	-176	-4.4%
35.8%	3,910	3,800	-109	-2.8%
37.0%	3,842	3,740	-101	-2.6%
38.3%	3,805	3,711	-94	-2.5%
39.5%	3,744	3,644	-100	-2.7%
40.7%	3,644	3,604	-40	-1.1%
42.0%	3,604	3,560	-44	-1.2%
43.2%	3,560	3,537	-23	-0.7%
44.4%	3,542	3,518	-25	-0.7%
45.7%	3,518	3,506	-12	-0.3%
46.9%	3,453	3,453	0	0.0%
48.1%	3,382	3,382	0	0.0%
49.4%	3,301	3,301	0	0.0%
50.6%	3,289	3,243	-46	-1.4%
51.9%	3,258	3,088	-169	-5.2%
53.1%	3,243	3,069	-173	-5.3%
54.3%	3,148	3,041	-107	-3.4%
55.6%	3,090	3,036	-53	-1.7%
56.8%	3,069	3,036	-33	-1.1%
58.0%	3,041	3,033	-8	-0.3%
59.3%	3,039	3,033	-6	-0.2%
60.5%	3,036	3,033	-3	-0.1%
61.7%	3,033	3,024	-9	-0.3%
63.0%	3,033	2,771	-262	-8.7%
64.2%	3,033	2,765	-268	-8.8%
65.4%	3,024	2,694	-330	-10.9%
66.7%	2,914	2,602	-312	-10.7%
67.9%	2,867	2,584	-284	-9.9%
69.1%	2,791	2,550	-241	-8.6%
70.4%	2,771	2,450	-321	-11.6%
71.6%	2,553	2,387	-166	-6.5%
72.8%	2,471	2,254	-217	-8.8%
74.1%	2,457	2,209	-248	-10.1%
75.3%	2,388	2,171	-217	-9.1%
76.5%	2,340	2,105	-235	-10.0%
77.8%	2,331	2,068	-262	-11.3%
79.0%	2,272	2,031	-241	-10.6%
80.2%	2,257	2,030	-227	-10.1%
81.5%	2,210	2,029	-181	-8.2%
82.7%	2,116	2,026	-90	-4.3%
84.0%	2,072	2,021	-51	-2.5%
85.2%	2,030	2,019	-11	-0.5%
86.4%	2,026	2,012	-14	-0.7%
87.7%	2,021	2,010	-11	-0.5%
88.9%	2,012	1,916	-96	-4.8%
90.1%	1,916	1,802	-114	-5.9%
91.4%	1,839	1,778	-61	-3.3%
92.6%	1,778	1,725	-53	-3.0%
93.8%	1,732	1,649	-83	-4.8%
95.1%	1,722	1,537	-184	-10.7%
96.3%	1,651	1,515	-136	-8.2%
97.5%	1,537	1,287	-251	-16.3%
98.8%	1,515	1,240	-275	-18.2%
100.0%	1,294	1,219	-74	-5.7%

Table SW-46-7b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,948	37	0.2%
1.2%	18,561	18,556	-5	0.0%
2.5%	18,222	18,222	-1	0.0%
3.7%	16,583	16,579	-4	0.0%
4.9%	16,040	16,045	5	0.0%
6.2%	14,993	15,219	226	1.5%
7.4%	14,846	14,850	5	0.0%
8.6%	11,675	12,139	464	4.0%
9.9%	11,118	11,611	493	4.4%
11.1%	10,824	11,280	457	4.2%
12.3%	9,851	10,343	492	5.0%
13.6%	9,592	9,800	208	2.2%
14.8%	8,013	8,480	467	5.8%
16.0%	7,914	8,389	475	6.0%
17.3%	7,548	7,548	0	0.0%
18.5%	7,537	7,535	-2	0.0%
19.8%	6,889	6,882	-8	-0.1%
21.0%	6,882	6,721	-160	-2.3%
22.2%	6,350	6,406	56	0.9%
23.5%	6,347	6,088	-260	-4.1%
24.7%	6,003	5,995	-8	-0.1%
25.9%	5,976	5,743	-233	-3.9%
27.2%	5,746	5,610	-136	-2.4%
28.4%	5,710	5,609	-101	-1.8%
29.6%	5,647	5,578	-69	-1.2%
30.9%	5,552	5,537	-15	-0.3%
32.1%	5,406	5,524	118	2.2%
33.3%	5,398	5,514	116	2.1%
34.6%	5,172	5,445	273	5.3%
35.8%	5,087	5,340	253	5.0%
37.0%	5,054	5,226	173	3.4%
38.3%	4,821	5,172	352	7.3%
39.5%	4,804	5,154	350	7.3%
40.7%	4,799	5,097	298	6.2%
42.0%	4,774	5,091	317	6.6%
43.2%	4,758	5,081	323	6.8%
44.4%	4,623	5,066	443	9.6%
45.7%	4,617	4,980	363	7.9%
46.9%	4,606	4,956	350	7.6%
48.1%	4,586	4,897	312	6.8%
49.4%	4,549	4,875	326	7.2%
50.6%	4,531	4,810	278	6.1%
51.9%	4,502	4,809	308	6.8%
53.1%	4,477	4,753	275	6.1%
54.3%	4,419	4,620	201	4.5%
55.6%	4,392	4,491	99	2.2%
56.8%	4,326	4,424	98	2.3%
58.0%	4,324	4,393	68	1.6%
59.3%	4,309	4,389	80	1.9%
60.5%	4,298	4,380	82	1.9%
61.7%	4,208	4,349	140	3.3%
63.0%	4,158	4,299	141	3.4%
64.2%	4,003	4,294	291	7.3%
65.4%	3,969	4,281	312	7.9%
66.7%	3,855	4,276	421	10.9%
67.9%	3,849	4,222	373	9.7%
69.1%	3,822	4,185	363	9.5%
70.4%	3,780	4,050	271	7.2%
71.6%	3,740	4,018	278	7.4%
72.8%	3,735	3,994	259	6.9%
74.1%	3,727	3,970	243	6.5%
75.3%	3,722	3,903	182	4.9%
76.5%	3,704	3,753	49	1.3%
77.8%	3,575	3,682	107	3.0%
79.0%	3,571	3,660	89	2.5%
80.2%	3,560	3,516	-44	-1.2%
81.5%	3,559	3,502	-57	-1.6%
82.7%	3,516	3,429	-86	-2.5%
84.0%	3,510	3,425	-86	-2.4%
85.2%	3,377	3,340	-37	-1.1%
86.4%	3,325	3,338	13	0.4%
87.7%	3,090	2,989	-101	-3.3%
88.9%	2,910	2,914	4	0.1%
90.1%	2,897	2,893	-4	-0.2%
91.4%	2,885	2,875	-10	-0.4%
92.6%	2,880	2,853	-26	-0.9%
93.8%	2,865	2,799	-66	-2.3%
95.1%	2,751	2,644	-108	-3.9%
96.3%	2,603	2,582	-21	-0.8%
97.5%	2,235	2,430	194	8.7%
98.8%	2,167	2,381	214	9.9%
100.0%	1,560	2,145	586	37.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,030	-35	-0.3%
1.2%	11,939	11,915	-25	-0.2%
2.5%	11,282	11,282	-1	0.0%
3.7%	11,127	11,173	46	0.4%
4.9%	11,123	11,080	-43	-0.4%
6.2%	10,994	10,993	-1	0.0%
7.4%	10,984	10,983	-2	0.0%
8.6%	10,915	10,738	-177	-1.6%
9.9%	10,785	10,714	-71	-0.7%
11.1%	10,677	10,677	1	0.0%
12.3%	10,675	10,677	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	10,486	-185	-1.7%
18.5%	10,615	10,480	-136	-1.3%
19.8%	10,581	10,473	-109	-1.0%
21.0%	10,558	10,472	-86	-0.8%
22.2%	10,491	10,451	-40	-0.4%
23.5%	10,475	10,380	-95	-0.9%
24.7%	10,424	10,376	-48	-0.5%
25.9%	10,271	10,346	75	0.7%
27.2%	10,263	10,326	63	0.6%
28.4%	10,083	10,207	123	1.2%
29.6%	10,079	10,086	7	0.1%
30.9%	9,973	9,985	13	0.1%
32.1%	9,922	9,823	-99	-1.0%
33.3%	9,786	9,763	-23	-0.2%
34.6%	9,686	9,749	63	0.7%
35.8%	9,605	9,656	51	0.5%
37.0%	9,561	9,494	-67	-0.7%
38.3%	9,521	9,432	-90	-0.9%
39.5%	9,503	9,366	-137	-1.4%
40.7%	9,497	9,336	-161	-1.7%
42.0%	9,443	9,319	-124	-1.3%
43.2%	9,363	9,294	-69	-0.7%
44.4%	9,348	9,292	-56	-0.6%
45.7%	9,339	9,288	-51	-0.5%
46.9%	9,314	9,274	-39	-0.4%
48.1%	9,312	9,263	-49	-0.5%
49.4%	9,296	9,245	-51	-0.6%
50.6%	9,265	9,210	-55	-0.6%
51.9%	9,243	9,159	-84	-0.9%
53.1%	9,242	9,154	-88	-1.0%
54.3%	9,202	9,137	-64	-0.7%
55.6%	9,188	9,124	-64	-0.7%
56.8%	9,184	8,982	-201	-2.2%
58.0%	9,141	8,937	-205	-2.2%
59.3%	9,130	8,910	-220	-2.4%
60.5%	9,094	8,811	-283	-3.1%
61.7%	9,041	8,795	-246	-2.7%
63.0%	9,006	8,655	-351	-3.9%
64.2%	8,957	8,595	-362	-4.0%
65.4%	8,867	8,541	-326	-3.7%
66.7%	8,800	8,524	-275	-3.1%
67.9%	8,787	8,302	-485	-5.5%
69.1%	8,773	8,174	-599	-6.8%
70.4%	8,651	8,105	-545	-6.3%
71.6%	8,458	8,069	-390	-4.6%
72.8%	8,272	7,841	-431	-5.2%
74.1%	7,965	7,577	-388	-4.9%
75.3%	7,878	7,555	-323	-4.1%
76.5%	7,786	7,517	-269	-3.5%
77.8%	7,727	7,424	-303	-3.9%
79.0%	7,480	7,419	-61	-0.8%
80.2%	7,281	7,352	72	1.0%
81.5%	6,964	7,224	260	3.7%
82.7%	6,828	7,001	173	2.5%
84.0%	6,244	6,763	519	8.3%
85.2%	5,797	6,675	878	15.1%
86.4%	5,785	6,503	718	12.4%
87.7%	5,752	6,408	657	11.4%
88.9%	5,707	6,366	659	11.6%
90.1%	5,434	5,839	405	7.5%
91.4%	5,387	5,815	428	7.9%
92.6%	5,344	5,652	308	5.8%
93.8%	5,218	5,427	209	4.0%
95.1%	5,102	5,408	306	6.0%
96.3%	4,447	4,844	397	8.9%
97.5%	2,541	4,472	1,931	76.0%
98.8%	1,651	1,798	146	8.9%
100.0%	1,566	1,561	-5	-0.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,180	148	1.6%
1.2%	8,979	9,110	131	1.5%
2.5%	8,792	9,025	232	2.6%
3.7%	8,780	9,020	240	2.7%
4.9%	8,596	8,798	201	2.3%
6.2%	8,541	8,631	90	1.1%
7.4%	8,378	8,592	213	2.5%
8.6%	8,370	8,570	200	2.4%
9.9%	8,353	8,561	207	2.5%
11.1%	8,320	8,555	235	2.8%
12.3%	8,223	8,504	280	3.4%
13.6%	8,201	8,465	264	3.2%
14.8%	8,139	8,393	254	3.1%
16.0%	8,032	8,388	356	4.4%
17.3%	7,997	8,363	365	4.6%
18.5%	7,959	8,279	320	4.0%
19.8%	7,852	8,199	347	4.4%
21.0%	7,841	8,188	347	4.4%
22.2%	7,792	8,147	355	4.6%
23.5%	7,777	8,010	233	3.0%
24.7%	7,731	7,830	99	1.3%
25.9%	7,718	7,744	27	0.3%
27.2%	7,672	7,728	56	0.7%
28.4%	7,642	7,669	26	0.3%
29.6%	7,632	7,640	7	0.1%
30.9%	7,607	7,614	6	0.1%
32.1%	7,594	7,574	-20	-0.3%
33.3%	7,549	7,571	22	0.3%
34.6%	7,524	7,501	-24	-0.3%
35.8%	7,518	7,493	-25	-0.3%
37.0%	7,433	7,451	18	0.2%
38.3%	7,400	7,345	-56	-0.8%
39.5%	7,396	7,323	-73	-1.0%
40.7%	7,359	7,117	-242	-3.3%
42.0%	7,356	6,887	-469	-6.4%
43.2%	7,271	6,732	-538	-7.4%
44.4%	7,137	6,656	-480	-6.7%
45.7%	7,120	6,512	-608	-8.5%
46.9%	7,081	6,474	-606	-8.6%
48.1%	6,993	6,335	-658	-9.4%
49.4%	6,984	6,168	-816	-11.7%
50.6%	6,983	6,049	-934	-13.4%
51.9%	6,895	5,998	-897	-13.0%
53.1%	6,881	5,973	-908	-13.2%
54.3%	6,844	5,903	-941	-13.7%
55.6%	6,604	5,814	-789	-12.0%
56.8%	6,586	5,751	-835	-12.7%
58.0%	6,525	5,741	-784	-12.0%
59.3%	6,357	5,572	-786	-12.4%
60.5%	6,252	5,545	-707	-11.3%
61.7%	5,941	5,502	-440	-7.4%
63.0%	5,924	5,417	-507	-8.6%
64.2%	5,741	5,406	-335	-5.8%
65.4%	5,376	5,254	-122	-2.3%
66.7%	5,273	5,230	-43	-0.8%
67.9%	4,836	5,111	275	5.7%
69.1%	4,788	4,950	163	3.4%
70.4%	4,658	4,849	191	4.1%
71.6%	4,376	4,780	404	9.2%
72.8%	4,141	4,691	550	13.3%
74.1%	4,096	4,687	591	14.4%
75.3%	3,985	4,685	701	17.6%
76.5%	3,716	4,672	955	25.7%
77.8%	3,493	4,544	1,051	30.1%
79.0%	3,490	4,193	703	20.1%
80.2%	3,278	4,112	834	25.4%
81.5%	3,158	4,091	933	29.5%
82.7%	3,123	4,072	949	30.4%
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	3,540	1,052	42.3%
88.9%	2,266	2,993	727	32.1%
90.1%	2,188	2,392	204	9.3%
91.4%	1,827	1,548	-280	-15.3%
92.6%	1,814	1,533	-281	-15.5%
93.8%	1,553	1,503	-50	-3.2%
95.1%	1,548	1,372	-176	-11.3%
96.3%	1,512	1,326	-185	-12.3%
97.5%	1,402	1,269	-133	-9.5%
98.8%	1,390	1,108	-282	-20.3%
100.0%	1,386	1,018	-368	-26.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,766	10,813	47	0.4%
1.2%	10,720	10,765	45	0.4%
2.5%	10,720	10,746	26	0.2%
3.7%	10,704	10,722	18	0.2%
4.9%	10,653	10,670	17	0.2%
6.2%	10,646	10,642	-4	0.0%
7.4%	10,639	10,620	-19	-0.2%
8.6%	10,582	10,428	-154	-1.5%
9.9%	10,461	10,407	-54	-0.5%
11.1%	10,405	10,391	-14	-0.1%
12.3%	10,248	10,235	-13	-0.1%
13.6%	10,149	10,215	66	0.7%
14.8%	10,091	10,096	5	0.1%
16.0%	10,067	10,075	8	0.1%
17.3%	9,995	10,002	8	0.1%
18.5%	9,971	9,756	-215	-2.2%
19.8%	9,494	9,581	86	0.9%
21.0%	8,961	9,572	611	6.8%
22.2%	8,611	9,442	831	9.6%
23.5%	8,555	9,262	708	8.3%
24.7%	8,441	9,151	710	8.4%
25.9%	8,421	8,993	572	6.8%
27.2%	8,325	8,858	533	6.4%
28.4%	8,229	8,579	350	4.3%
29.6%	7,965	8,547	582	7.3%
30.9%	7,887	8,289	403	5.1%
32.1%	7,812	7,922	111	1.4%
33.3%	7,541	7,910	369	4.9%
34.6%	7,386	7,851	465	6.3%
35.8%	7,313	7,625	312	4.3%
37.0%	7,297	7,586	289	4.0%
38.3%	7,227	7,549	321	4.4%
39.5%	6,253	7,459	1,206	19.3%
40.7%	6,022	6,724	702	11.7%
42.0%	5,460	6,044	584	10.7%
43.2%	5,433	5,738	305	5.6%
44.4%	5,425	5,077	-348	-6.4%
45.7%	5,398	4,963	-435	-8.1%
46.9%	4,054	4,870	816	20.1%
48.1%	3,986	4,834	848	21.3%
49.4%	3,857	4,808	952	24.7%
50.6%	3,796	4,753	957	25.2%
51.9%	3,793	4,675	882	23.3%
53.1%	3,747	4,644	897	23.9%
54.3%	3,688	4,483	795	21.6%
55.6%	3,636	4,432	796	21.9%
56.8%	3,617	4,146	529	14.6%
58.0%	3,617	3,935	318	8.8%
59.3%	3,465	3,713	247	7.1%
60.5%	3,372	3,655	283	8.4%
61.7%	3,324	3,635	311	9.4%
63.0%	3,238	3,633	395	12.2%
64.2%	3,202	3,565	363	11.3%
65.4%	3,123	3,528	404	12.9%
66.7%	3,084	3,420	337	10.9%
67.9%	3,071	3,287	216	7.0%
69.1%	3,066	3,237	171	5.6%
70.4%	3,015	3,204	189	6.3%
71.6%	2,748	3,176	428	15.6%
72.8%	2,664	3,096	432	16.2%
74.1%	2,639	3,051	411	15.6%
75.3%	2,570	2,829	259	10.1%
76.5%	2,501	2,626	126	5.0%
77.8%	2,286	2,595	309	13.5%
79.0%	2,259	2,537	278	12.3%
80.2%	2,145	2,336	191	8.9%
81.5%	1,978	2,318	341	17.2%
82.7%	1,864	2,259	395	21.2%
84.0%	1,771	2,213	442	24.9%
85.2%	1,657	2,146	489	29.5%
86.4%	1,568	1,793	225	14.3%
87.7%	1,534	1,653	119	7.8%
88.9%	1,523	1,601	77	5.1%
90.1%	1,486	1,564	77	5.2%
91.4%	1,472	1,549	77	5.2%
92.6%	1,430	1,422	-8	-0.6%
93.8%	1,396	1,420	24	1.7%
95.1%	1,311	1,394	84	6.4%
96.3%	1,266	1,384	117	9.3%
97.5%	1,257	1,267	10	0.8%
98.8%	1,242	1,226	-16	-1.3%
100.0%	1,130	1,190	60	5.3%

Table SW-47-7a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 C	1,441	2,714	3,254	4,314	4,956	3,606	3,100	3,239	3,155	3,041	2,269	2,447
Difference	88	62	66	22	-14	35	49	16	-80	-306	34	-25
Percent Difference[3]	6.5%	2.3%	2.1%	0.5%	-0.3%	1.0%	1.6%	0.5%	-2.5%	-9.1%	1.5%	-1.0%
	Water Year Types[2]											
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 C	1,704	3,937	3,532	8,607	8,979	5,914	4,996	5,711	5,483	3,245	3,168	3,756
Difference	235	129	12	53	-9	-1	0	0	21	-335	175	-318
Percent Difference	16.0%	3.4%	0.3%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-9.4%	5.8%	-7.8%
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 C	1,391	2,754	2,966	4,628	6,130	5,265	3,232	3,409	2,894	3,889	2,346	2,724
Difference	14	103	133	153	-5	46	-6	-3	-64	-232	-9	-152
Percent Difference	1.0%	3.9%	4.7%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.2%	-5.6%	-0.4%	-5.3%
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 C	1,538	3,345	3,947	2,223	3,959	2,265	2,920	2,610	2,300	3,708	2,064	2,428
Difference	15	83	55	34	-105	-7	137	54	-49	-839	-53	572
Percent Difference	1.0%	2.5%	1.4%	1.6%	-2.6%	-0.3%	4.9%	2.1%	-2.1%	-18.4%	-2.5%	30.8%
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 C	1,406	1,659	4,104	1,503	1,713	2,001	1,691	1,507	1,958	2,858	1,876	1,425
Difference	105	-28	152	-120	31	82	-6	25	-137	-113	-168	34
Percent Difference	8.1%	-1.6%	3.8%	-7.4%	1.8%	4.3%	-0.3%	1.7%	-6.5%	-3.8%	-8.2%	2.4%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative C	861	873	859	1,355	1,092	919	1,184	1,042	1,167	1,250	1,073	886
Difference	-99	-15	2	22	6	84	191	12	-267	15	179	-50
Percent Difference	-10.3%	-1.7%	0.2%	1.7%	0.6%	10.1%	19.2%	1.1%	-18.6%	1.2%	20.0%	-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-47-7b
American River at Mouth, Monthly Flow
Probability of Exceedance

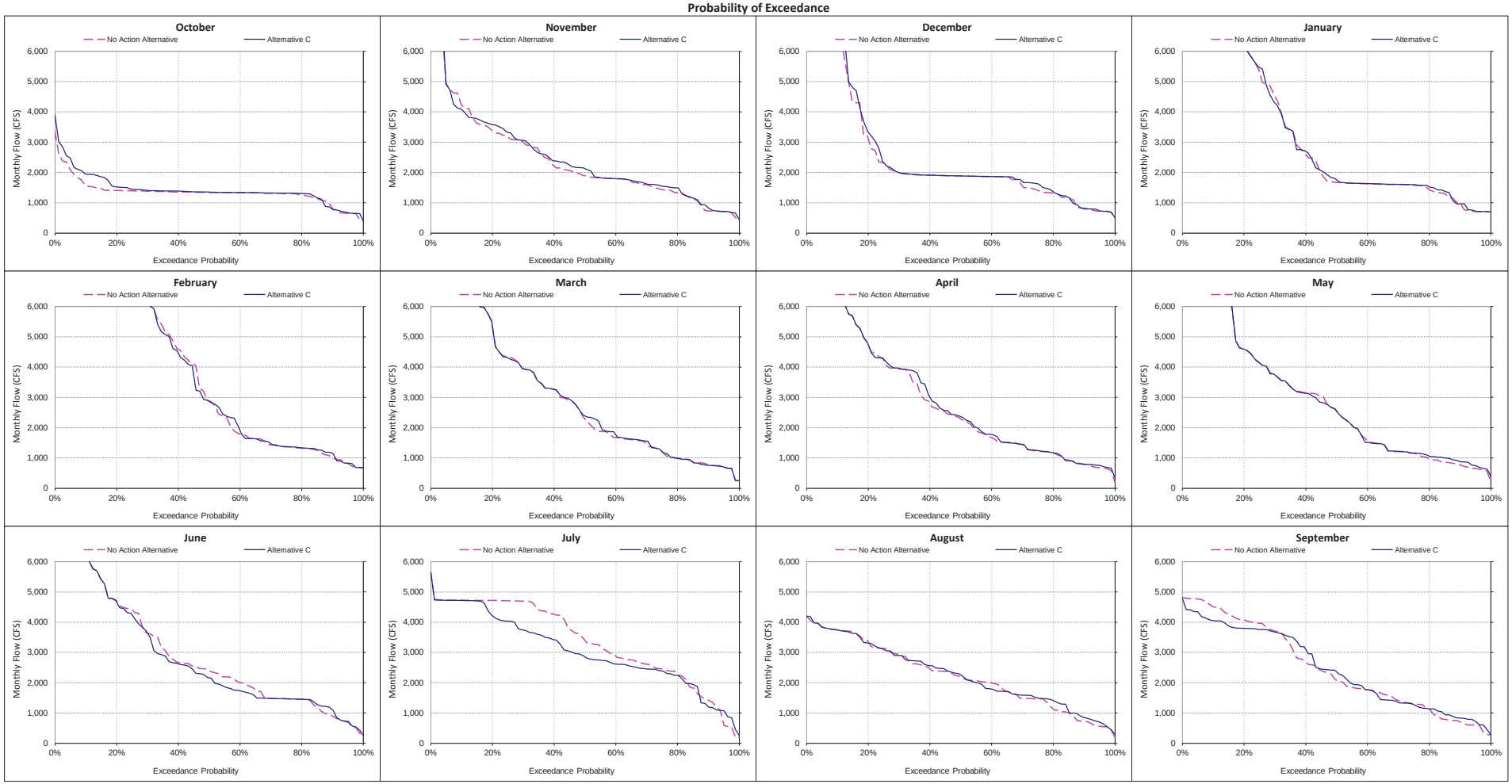

Table SW-47-7b

American River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,897	544	16.2%
1.2%	2,603	3,019	416	16.0%
2.5%	2,376	2,848	471	19.8%
3.7%	2,348	2,555	207	8.8%
4.9%	2,096	2,478	382	18.2%
6.2%	1,936	2,166	230	11.9%
7.4%	1,824	2,103	278	15.3%
8.6%	1,750	2,058	307	17.5%
9.9%	1,554	1,948	393	25.3%
11.1%	1,543	1,946	403	26.1%
12.3%	1,526	1,936	410	26.9%
13.6%	1,492	1,905	413	27.7%
14.8%	1,482	1,856	373	25.2%
16.0%	1,412	1,832	420	29.7%
17.3%	1,409	1,735	327	23.2%
18.5%	1,408	1,552	143	10.2%
19.8%	1,406	1,526	120	8.5%
21.0%	1,403	1,518	116	8.2%
22.2%	1,403	1,507	105	7.5%
23.5%	1,399	1,503	104	7.5%
24.7%	1,397	1,447	51	3.6%
25.9%	1,394	1,442	48	3.4%
27.2%	1,393	1,442	49	3.5%
28.4%	1,387	1,424	36	2.6%
29.6%	1,386	1,413	27	2.0%
30.9%	1,382	1,400	18	1.3%
32.1%	1,378	1,399	21	1.5%
33.3%	1,378	1,397	19	1.4%
34.6%	1,377	1,394	18	1.3%
35.8%	1,374	1,393	19	1.4%
37.0%	1,363	1,392	29	2.1%
38.3%	1,359	1,390	30	2.2%
39.5%	1,357	1,386	29	2.1%
40.7%	1,357	1,385	27	2.0%
42.0%	1,357	1,379	23	1.7%
43.2%	1,356	1,376	20	1.5%
44.4%	1,353	1,361	7	0.5%
45.7%	1,350	1,357	7	0.5%
46.9%	1,348	1,356	9	0.6%
48.1%	1,345	1,356	11	0.8%
49.4%	1,344	1,355	11	0.8%
50.6%	1,342	1,350	9	0.6%
51.9%	1,341	1,348	7	0.5%
53.1%	1,341	1,342	2	0.1%
54.3%	1,340	1,342	2	0.1%
55.6%	1,340	1,341	1	0.1%
56.8%	1,337	1,340	3	0.2%
58.0%	1,336	1,338	2	0.1%
59.3%	1,335	1,338	2	0.2%
60.5%	1,335	1,337	2	0.1%
61.7%	1,334	1,336	3	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,335	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,329	3	0.2%
67.9%	1,317	1,328	11	0.8%
69.1%	1,316	1,327	10	0.8%
70.4%	1,316	1,325	10	0.8%
71.6%	1,314	1,324	10	0.8%
72.8%	1,313	1,322	9	0.7%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,316	9	0.7%
76.5%	1,306	1,315	9	0.7%
77.8%	1,305	1,314	9	0.7%
79.0%	1,271	1,313	42	3.3%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,304	73	5.9%
82.7%	1,210	1,294	84	6.9%
84.0%	1,166	1,225	59	5.1%
85.2%	1,128	1,160	32	2.8%
86.4%	1,082	1,113	31	2.9%
87.7%	1,053	880	-173	-16.4%
88.9%	969	861	-108	-11.2%
90.1%	784	771	-13	-1.6%
91.4%	771	763	-8	-1.1%
92.6%	673	733	60	8.9%
93.8%	663	692	29	4.4%
95.1%	644	673	29	4.5%
96.3%	643	651	8	1.3%
97.5%	641	644	3	0.5%
98.8%	433	643	210	48.7%
100.0%	393	393	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,312	530	7.8%
4.9%	4,957	4,905	-52	-1.0%
6.2%	4,731	4,741	10	0.2%
7.4%	4,628	4,258	-369	-8.0%
8.6%	4,621	4,127	-493	-10.7%
9.9%	4,251	4,093	-157	-3.7%
11.1%	4,110	3,974	-136	-3.3%
12.3%	4,109	3,821	-288	-7.0%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,788	151	4.2%
16.0%	3,582	3,731	149	4.2%
17.3%	3,566	3,665	100	2.8%
18.5%	3,506	3,627	122	3.5%
19.8%	3,401	3,589	188	5.5%
21.0%	3,298	3,573	274	8.3%
22.2%	3,295	3,506	211	6.4%
23.5%	3,235	3,448	213	6.6%
24.7%	3,202	3,336	133	4.2%
25.9%	3,101	3,311	210	6.8%
27.2%	3,085	3,139	54	1.8%
28.4%	3,069	3,073	4	0.1%
29.6%	3,039	3,065	26	0.9%
30.9%	2,917	3,045	128	4.4%
32.1%	2,877	2,909	32	1.1%
33.3%	2,829	2,761	-69	-2.4%
34.6%	2,803	2,664	-139	-5.0%
35.8%	2,613	2,613	0	0.0%
37.0%	2,488	2,597	109	4.4%
38.3%	2,450	2,498	48	2.0%
39.5%	2,263	2,386	122	5.4%
40.7%	2,152	2,376	224	10.4%
42.0%	2,151	2,349	199	9.2%
43.2%	2,091	2,346	255	12.2%
44.4%	2,079	2,275	197	9.5%
45.7%	2,040	2,191	151	7.4%
46.9%	1,983	2,166	183	9.2%
48.1%	1,968	2,159	190	9.7%
49.4%	1,904	2,155	251	13.2%
50.6%	1,884	2,091	208	11.0%
51.9%	1,847	2,054	207	11.2%
53.1%	1,840	1,853	14	0.7%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,814	-11	-0.6%
56.8%	1,813	1,813	0	0.0%
58.0%	1,808	1,806	-2	-0.1%
59.3%	1,796	1,804	8	0.4%
60.5%	1,791	1,794	2	0.1%
61.7%	1,790	1,791	1	0.1%
63.0%	1,776	1,776	0	0.0%
64.2%	1,757	1,757	0	0.0%
65.4%	1,667	1,728	61	3.7%
66.7%	1,666	1,700	35	2.1%
67.9%	1,608	1,682	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%	1,460	1,575	115	7.9%
75.3%	1,423	1,540	117	8.2%
76.5%	1,421	1,535	113	8.0%
77.8%	1,404	1,511	107	7.6%
79.0%	1,340	1,488	148	11.0%
80.2%	1,324	1,488	164	12.4%
81.5%	1,311	1,291	-20	-1.5%
82.7%	1,240	1,234	-6	-0.5%
84.0%	1,162	1,201	38	3.3%
85.2%	1,137	1,147	10	0.9%
86.4%	1,061	1,099	38	3.5%
87.7%	894	938	44	4.9%
88.9%	748	926	178	23.8%
90.1%	725	823	98	13.5%
91.4%	722	749	26	3.6%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	708	27	3.9%
97.5%	672	682	9	1.4%
98.8%	513	666	152	29.6%
100.0%	377	447	70	18.5%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,009	217	1.1%
1.2%	16,520	16,520	0	0.0%
2.5%	15,879	16,220	340	2.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,768	0	0.0%
6.2%	12,867	12,633	-234	-1.8%
7.4%	8,949	9,073	124	1.4%
8.6%	8,757	8,743	-13	-0.2%
9.9%	7,132	7,127	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,397	657	11.5%
13.6%	5,025	4,995	-30	-0.6%
14.8%	4,349	4,819	469	10.8%
16.0%	4,306	4,703	397	9.2%
17.3%	4,294	4,109	-184	-4.3%
18.5%	3,212	3,671	459	14.3%
19.8%	3,196	3,361	165	5.2%
21.0%	2,781	3,202	421	15.1%
22.2%	2,742	3,029	287	10.5%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,343	1	0.0%
25.9%	2,221	2,221	0	0.0%
27.2%	2,096	2,163	67	3.2%
28.4%	2,059	2,071	12	0.6%
29.6%	2,002	2,014	13	0.6%
30.9%	1,969	1,972	3	0.2%
32.1%	1,950	1,968	18	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,933	11	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,909	-2	-0.1%
42.0%	1,899	1,908	9	0.5%
43.2%	1,897	1,900	3	0.2%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,894	-2	-0.1%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,884	0	0.0%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,878	0	0.0%
54.3%	1,878	1,877	-1	0.0%
55.6%	1,876	1,872	-5	-0.3%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,869	-3	-0.2%
59.3%	1,870	1,868	-2	-0.1%
60.5%	1,867	1,868	1	0.0%
61.7%	1,858	1,866	7	0.4%
63.0%	1,857	1,859	2	0.1%
64.2%	1,856	1,859	3	0.1%
65.4%	1,846	1,856	10	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,770	3	0.2%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.0%
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	1,511	168	12.6%
77.8%	1,340	1,471	130	9.7%
79.0%	1,333	1,441	108	8.1%
80.2%	1,303	1,336	34	2.6%
81.5%	1,285	1,283	-2	-0.2%
82.7%	1,181	1,240	59	5.0%
84.0%	1,178	1,222	45	3.8%
85.2%	1,132	1,166	33	2.9%
86.4%	1,094	978	-116	-10.6%
87.7%	852	937	85	10.0%
88.9%	829	832	4	0.5%
90.1%	799	818	19	2.3%
91.4%	790	793	4	0.4%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	708	-10	-1.4%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,273	2	0.0%
1.2%	20,335	20,335	0	0.0%
2.5%	17,648	17,633	-16	-0.1%
3.7%	15,531	15,823	292	1.9%
4.9%	14,746	15,528	781	5.3%
6.2%	12,801	12,799	-2	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,744	-1	0.0%
9.9%	10,534	10,650	116	1.1%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,287	-11	-0.1%
13.6%	9,052	9,054	2	0.0%
14.8%	8,927	8,924	-3	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,336	-125	-1.7%
18.5%	6,778	6,546	-233	-3.4%
19.8%	6,640	6,396	-244	-3.7%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,831	13	0.2%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,478	61	1.1%
25.9%	4,982	5,419	437	8.8%
27.2%	4,907	4,889	-18	-0.4%
28.4%	4,861	4,553	-308	-6.3%
29.6%	4,565	4,341	-225	-4.9%
30.9%	4,346	4,191	-155	-3.6%
32.1%	3,937	3,926	-10	-0.3%
33.3%	3,528	3,473	-55	-1.6%
34.6%	3,392	3,433	41	1.2%
35.8%	3,364	3,371	7	0.2%
37.0%	2,907	2,759	-148	-5.1%
38.3%	2,782	2,759	-23	-0.8%
39.5%	2,644	2,724	79	3.0%
40.7%	2,487	2,644	157	6.3%
42.0%	2,482	2,440	-42	-1.7%
43.2%	2,375	2,159	-217	-9.1%
44.4%	2,079	2,086	6	0.3%
45.7%	1,863	2,026	163	8.8%
46.9%	1,712	1,927	215	12.5%
48.1%	1,704	1,835	131	7.7%
49.4%	1,676	1,811	135	8.1%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,639	8	0.5%
59.3%	1,631	1,638	7	0.4%
60.5%	1,627	1,631	4	0.3%
61.7%	1,621	1,629	8	0.5%
63.0%	1,616	1,627	11	0.7%
64.2%	1,612	1,621	10	0.6%
65.4%	1,610	1,616	7	0.4%
66.7%	1,608	1,612	3	0.2%
67.9%	1,608	1,610	2	0.1%
69.1%	1,607	1,608	2	0.1%
70.4%	1,600	1,608	8	0.5%
71.6%	1,599	1,607	8	0.5%
72.8%	1,597	1,600	3	0.2%
74.1%	1,582	1,599	16	1.0%
75.3%	1,574	1,597	23	1.4%
76.5%	1,573	1,574	1	0.1%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,573	55	3.6%
80.2%	1,418	1,518	100	7.0%
81.5%	1,375	1,488	112	8.2%
82.7%	1,340	1,426	85	6.4%
84.0%	1,325	1,424	99	7.5%
85.2%	1,296	1,375	80	6.1%
86.4%	1,173	1,335	162	13.8%
87.7%	1,149	1,073	-76	-6.6%
88.9%	1,016	963	-52	-5.2%
90.1%	973	960	-13	-1.3%
91.4%	774	960	186	24.1%
92.6%	748	774	26	3.5%
93.8%	721	764	43	6.0%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-47-7b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,568	15,563	-5	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,461	7	0.1%
4.9%	13,388	13,390	2	0.0%
6.2%	13,055	13,039	-16	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,190	-6	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,514	7	0.1%
14.8%	10,012	10,009	-3	0.0%
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%	9,165	9,153	-12	-0.1%
21.0%	7,881	7,881	0	0.0%
22.2%	7,868	7,863	-5	-0.1%
23.5%	7,716	7,668	-48	-0.6%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,026	-3	0.0%
27.2%	6,732	6,491	-241	-3.6%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,063	-12	-0.2%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,404	-147	-2.6%
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	4,620	-244	-5.0%
39.5%	4,621	4,548	-73	-1.6%
40.7%	4,549	4,319	-230	-5.1%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,236	-814	-20.1%
46.9%	3,294	3,210	-84	-2.5%
48.1%	3,218	2,933	-285	-8.9%
49.4%	2,895	2,909	15	0.5%
50.6%	2,865	2,826	-38	-1.3%
51.9%	2,723	2,775	52	1.9%
53.1%	2,452	2,673	221	9.0%
54.3%	2,395	2,457	61	2.6%
55.6%	2,347	2,376	29	1.2%
56.8%	2,066	2,335	269	13.0%
58.0%	1,895	2,320	424	22.4%
59.3%	1,814	2,068	255	14.0%
60.5%	1,754	1,775	21	1.2%
61.7%	1,747	1,646	-102	-5.8%
63.0%	1,646	1,642	-4	-0.2%
64.2%	1,642	1,640	-2	-0.1%
65.4%	1,640	1,622	-18	-1.1%
66.7%	1,622	1,565	-58	-3.6%
67.9%	1,556	1,556	-1	0.0%
69.1%	1,442	1,529	87	6.1%
70.4%	1,435	1,442	7	0.5%
71.6%	1,404	1,435	31	2.2%
72.8%	1,393	1,393	0	0.0%
74.1%	1,371	1,377	6	0.5%
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	1,312	38	3.0%
85.2%	1,253	1,269	16	1.3%
86.4%	1,152	1,253	101	8.8%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,152	166	16.8%
91.4%	954	901	-53	-5.6%
92.6%	936	895	-41	-4.4%
93.8%	842	830	-11	-1.3%
95.1%	815	828	12	1.5%
96.3%	731	815	84	11.5%
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 C 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	12,447	571	4.8%
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	10,438	2	0.0%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,400	605	7.8%
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%	5,518	5,515	-3	-0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	1	0.0%
23.5%	4,368	4,342	-27	-0.6%
24.7%	4,347	4,323	-24	-0.6%
25.9%	4,330	4,253	-77	-1.8%
27.2%	4,253	4,210	-43	-1.0%
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%	3,909	3,905	-4	-0.1%
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	3,305	1	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	3,063	65	2.2%
43.2%	2,979	2,998	19	0.6%
44.4%	2,924	2,975	51	1.7%
45.7%	2,880	2,889	10	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,419	55	2.3%
50.6%	2,223	2,351	128	5.8%
51.9%	2,080	2,338	258	12.4%
53.1%	1,952	2,297	345	17.7%
54.3%	1,882	2,223	341	18.1%
55.6%	1,872	1,936	64	3.4%
56.8%	1,864	1,883	19	1.0%
58.0%	1,788	1,867	78	4.4%
59.3%	1,678	1,864	186	11.1%
60.5%	1,670	1,680	10	0.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	28	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,597	6	0.4%
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	1,341	-21	-1.5%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,025	-10	-1.0%
79.0%	1,014	994	-19	-1.9%
80.2%	1,000	983	-17	-1.7%
81.5%	974	958	-17	-1.7%
82.7%	969	955	-14	-1.4%
84.0%	932	951	19	2.0%
85.2%	865	835	-30	-3.5%
86.4%	854	831	-23	-2.7%
87.7%	833	792	-41	-4.9%
88.9%	823	771	-52	-6.3%
90.1%	757	753	-5	-0.6%
91.4%	753	743	-10	-1.3%
92.6%	743	738	-5	-0.6%
93.8%	743	727	-15	-2.0%
95.1%	685	701	16	2.3%
96.3%	664	662	-2	-0.3%
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 C 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	6,696	4	0.1%
7.4%	6,681	6,681	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	0	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	4,315	-146	-3.3%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,155	114	2.8%
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	3,906	95	2.5%
34.6%	3,481	3,879	398	11.4%
35.8%	3,466	3,812	346	10.0%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,443	520	17.8%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,877	199	7.4%
42.0%	2,643	2,819	175	6.6%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,441	11	0.4%
48.1%	2,388	2,430	42	1.8%
49.4%	2,339	2,385	46	1.9%
50.6%	2,254	2,339	85	3.8%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,206	92	4.4%
54.3%	1,983	2,035	52	2.6%
55.6%	1,869	1,983	114	6.1%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,782	80	4.7%
60.5%	1,646	1,769	124	7.5%
61.7%	1,561	1,702	141	9.0%
63.0%	1,525	1,536	11	0.7%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,492	-11	-0.7%
67.9%	1,492	1,482	-10	-0.7%
69.1%	1,450	1,462	11	0.8%
70.4%	1,427	1,450	23	1.6%
71.6%	1,269	1,287	18	1.4%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,237	19	1.6%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,192	-6	-0.5%
80.2%	1,155	1,168	13	1.2%
81.5%	1,098	1,144	47	4.2%
82.7%	1,054	1,054	0	0.0%
84.0%	948	913	-34	-3.6%
85.2%	919	910	-9	-1.0%
86.4%	899	877	-22	-2.5%
87.7%	850	817	-34	-4.0%
88.9%	798	810	12	1.5%
90.1%	783	797	13	1.7%
91.4%	783	791	8	1.0%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	752	72	10.6%
96.3%	654	709	56	8.5%
97.5%	640	686	46	7.2%
98.8%	579	665	86	14.9%
100.0%	188	344	156	82.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,859	-30	-0.6%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,065	2	0.0%
27.2%	4,060	4,027	-33	-0.8%
28.4%	3,817	3,781	-36	-0.9%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,672	16	0.4%
32.1%	3,550	3,550	0	0.0%
33.3%	3,544	3,544	0	0.0%
34.6%	3,397	3,397	0	0.0%
35.8%	3,275	3,275	0	0.0%
37.0%	3,195	3,191	-4	-0.1%
38.3%	3,191	3,157	-34	-1.1%
39.5%	3,160	3,142	-17	-0.6%
40.7%	3,142	3,134	-9	-0.3%
42.0%	3,134	3,060	-74	-2.4%
43.2%	3,121	2,993	-128	-4.1%
44.4%	3,060	2,848	-212	-6.9%
45.7%	3,034	2,825	-209	-6.9%
46.9%	2,760	2,773	12	0.4%
48.1%	2,674	2,672	-1	-0.1%
49.4%	2,626	2,626	0	0.0%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,251	-3	-0.1%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,969	0	0.0%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,518	-131	-7.9%
60.5%	1,518	1,504	-14	-0.9%
61.7%	1,504	1,480	-24	-1.6%
63.0%	1,480	1,473	-7	-0.5%
64.2%	1,473	1,471	-3	-0.2%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,235	1	0.0%
67.9%	1,221	1,228	7	0.5%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,169	15	1.3%
75.3%	1,153	1,168	16	1.4%
76.5%	1,090	1,148	58	5.4%
77.8%	1,038	1,142	104	10.0%
79.0%	1,029	1,110	81	7.9%
80.2%	947	1,045	98	10.4%
81.5%	941	1,044	103	10.9%
82.7%	928	1,021	93	10.0%
84.0%	870	1,020	149	17.2%
85.2%	863	996	133	15.4%
86.4%	845	985	140	16.5%
87.7%	830	941	112	13.4%
88.9%	796	923	128	16.0%
90.1%	768	874	106	13.8%
91.4%	716	872	156	21.8%
92.6%	698	856	158	22.7%
93.8%	661	762	101	15.3%
95.1%	649	749	101	15.5%
96.3%	627	687	60	9.6%
97.5%	594	651	58	9.7%
98.8%	571	626	55	9.6%
100.0%	188	389	201	106.8%

Table SW-47-7b

American River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	4,712	-27	-0.6%
21.0%	4,541	4,482	-59	-1.3%
22.2%	4,482	4,450	-32	-0.7%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,112	-204	-4.7%
27.2%	4,294	3,944	-350	-8.2%
28.4%	3,813	3,832	19	0.5%
29.6%	3,647	3,704	57	1.6%
30.9%	3,617	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,962	-538	-15.4%
34.6%	3,143	2,926	-217	-6.9%
35.8%	3,065	2,881	-184	-6.0%
37.0%	2,864	2,693	-172	-6.0%
38.3%	2,776	2,662	-114	-4.1%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,602	-60	-2.3%
42.0%	2,639	2,583	-56	-2.1%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,306	-222	-8.8%
46.9%	2,468	2,295	-173	-7.0%
48.1%	2,464	2,276	-188	-7.6%
49.4%	2,447	2,172	-275	-11.2%
50.6%	2,363	2,144	-219	-9.2%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,959	-337	-14.7%
54.3%	2,197	1,897	-300	-13.7%
55.6%	2,193	1,839	-354	-16.1%
56.8%	2,176	1,814	-362	-16.6%
58.0%	2,116	1,753	-362	-17.1%
59.3%	2,029	1,748	-281	-13.8%
60.5%	1,997	1,720	-278	-13.9%
61.7%	1,966	1,683	-283	-14.4%
63.0%	1,882	1,656	-226	-12.0%
64.2%	1,839	1,611	-227	-12.4%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,440	37	2.6%
84.0%	1,254	1,356	102	8.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,229	184	17.6%
87.7%	980	1,220	240	24.5%
88.9%	946	1,189	243	25.7%
90.1%	889	1,088	199	22.4%
91.4%	814	840	26	3.2%
92.6%	803	767	-36	-4.5%
93.8%	726	728	2	0.2%
95.1%	690	725	35	5.1%
96.3%	550	568	18	3.2%
97.5%	511	542	31	6.0%
98.8%	332	433	102	30.6%
100.0%	188	260	72	38.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,739	-5	-0.1%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,727	-8	-0.2%
4.9%	4,733	4,724	-10	-0.2%
6.2%	4,727	4,723	-5	-0.1%
7.4%	4,727	4,722	-5	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,720	-6	-0.1%
11.1%	4,724	4,720	-4	-0.1%
12.3%	4,723	4,719	-4	-0.1%
13.6%	4,723	4,709	-14	-0.3%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,695	-24	-0.5%
17.3%	4,719	4,645	-73	-1.6%
18.5%	4,718	4,394	-324	-6.9%
19.8%	4,717	4,232	-485	-10.3%
21.0%	4,717	4,144	-573	-12.2%
22.2%	4,716	4,078	-638	-13.5%
23.5%	4,712	4,054	-658	-14.0%
24.7%	4,709	4,035	-674	-14.3%
25.9%	4,707	4,031	-677	-14.4%
27.2%	4,707	4,004	-703	-14.9%
28.4%	4,702	3,786	-916	-19.5%
29.6%	4,698	3,746	-953	-20.3%
30.9%	4,690	3,723	-967	-20.6%
32.1%	4,684	3,656	-1,028	-22.0%
33.3%	4,623	3,645	-978	-21.2%
34.6%	4,424	3,601	-823	-18.6%
35.8%	4,373	3,570	-803	-18.4%
37.0%	4,364	3,497	-867	-19.9%
38.3%	4,288	3,480	-808	-18.8%
39.5%	4,282	3,429	-853	-19.9%
40.7%	4,233	3,406	-827	-19.5%
42.0%	4,232	3,264	-969	-22.9%
43.2%	4,105	3,076	-1,029	-25.1%
44.4%	3,838	3,053	-786	-20.5%
45.7%	3,723	3,008	-715	-19.2%
46.9%	3,639	2,964	-675	-18.6%
48.1%	3,615	2,953	-662	-18.3%
49.4%	3,480	2,895	-586	-16.8%
50.6%	3,323	2,811	-511	-15.4%
51.9%	3,319	2,774	-546	-16.4%
53.1%	3,262	2,762	-500	-15.3%
54.3%	3,260	2,754	-506	-15.5%
55.6%	3,123	2,738	-385	-12.3%
56.8%	3,068	2,723	-345	-11.2%
58.0%	2,979	2,674	-305	-10.2%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,613	-222	-7.8%
61.7%	2,819	2,608	-212	-7.5%
63.0%	2,772	2,602	-170	-6.1%
64.2%	2,754	2,561	-193	-7.0%
65.4%	2,750	2,538	-213	-7.7%
66.7%	2,706	2,508	-198	-7.3%
67.9%	2,659	2,477	-181	-6.8%
69.1%	2,623	2,466	-157	-6.0%
70.4%	2,609	2,453	-156	-6.0%
71.6%	2,578	2,446	-132	-5.1%
72.8%	2,477	2,441	-36	-1.5%
74.1%	2,466	2,396	-70	-2.9%
75.3%	2,457	2,383	-74	-3.0%
76.5%	2,396	2,309	-86	-3.6%
77.8%	2,383	2,291	-92	-3.9%
79.0%	2,382	2,247	-135	-5.7%
80.2%	2,247	2,238	-9	-0.4%
81.5%	2,225	2,129	-96	-4.3%
82.7%	2,102	1,972	-131	-6.2%
84.0%	1,849	1,969	120	6.5%
85.2%	1,824	1,935	111	6.1%
86.4%	1,644	1,874	231	14.0%
87.7%	1,542	1,336	-206	-13.4%
88.9%	1,443	1,314	-129	-8.9%
90.1%	1,413	1,192	-221	-15.6%
91.4%	1,349	1,176	-173	-12.9%
92.6%	1,190	1,096	-94	-7.9%
93.8%	1,091	1,080	-11	-1.0%
95.1%	588	1,073	485	82.5%
96.3%	556	877	321	57.7%
97.5%	546	851	305	56.0%
98.8%	188	454	266	141.4%
100.0%	188	250	62	32.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,201	16	0.4%
1.2%	4,068	4,186	117	2.9%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	3	0.1%
4.9%	3,838	3,838	0	0.0%
6.2%	3,809	3,809	0	0.0%
7.4%	3,778	3,782	4	0.1%
8.6%	3,757	3,757	0	0.0%
9.9%	3,747	3,747	0	0.0%
11.1%	3,742	3,717	-25	-0.7%
12.3%	3,717	3,703	-15	-0.4%
13.6%	3,703	3,685	-17	-0.5%
14.8%	3,685	3,634	-52	-1.4%
16.0%	3,634	3,623	-10	-0.3%
17.3%	3,548	3,500	-48	-1.4%
18.5%	3,421	3,330	-91	-2.7%
19.8%	3,392	3,317	-75	-2.2%
21.0%	3,192	3,288	96	3.0%
22.2%	3,157	3,203	47	1.5%
23.5%	3,143	3,156	12	0.4%
24.7%	3,136	3,115	-21	-0.7%
25.9%	3,125	3,057	-68	-2.2%
27.2%	3,008	3,052	44	1.5%
28.4%	2,967	2,903	-64	-2.2%
29.6%	2,941	2,902	-39	-1.3%
30.9%	2,892	2,891	-1	0.0%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,737	50	1.8%
34.6%	2,628	2,725	97	3.7%
35.8%	2,625	2,715	90	3.4%
37.0%	2,594	2,713	119	4.6%
38.3%	2,562	2,605	43	1.7%
39.5%	2,501	2,571	70	2.8%
40.7%	2,398	2,563	165	6.9%
42.0%	2,393	2,487	94	3.9%
43.2%	2,391	2,479	88	3.7%
44.4%	2,372	2,467	95	4.0%
45.7%	2,360	2,389	29	1.2%
46.9%	2,323	2,353	31	1.3%
48.1%	2,238	2,316	78	3.5%
49.4%	2,224	2,296	72	3.3%
50.6%	2,158	2,215	57	2.7%
51.9%	2,098	2,105	7	0.3%
53.1%	2,079	2,062	-17	-0.8%
54.3%	2,074	2,019	-55	-2.6%
55.6%	2,063	1,991	-72	-3.5%
56.8%	2,029	1,950	-78	-3.9%
58.0%	2,020	1,814	-206	-10.2%
59.3%	2,013	1,804	-209	-10.4%
60.5%	1,982	1,782	-200	-10.1%
61.7%	1,949	1,722	-227	-11.7%
63.0%	1,866	1,719	-147	-7.9%
64.2%	1,726	1,715	-11	-0.6%
65.4%	1,699	1,707	8	0.5%
66.7%	1,667	1,627	-40	-2.4%
67.9%	1,617	1,611	-6	-0.4%
69.1%	1,489	1,591	102	6.8%
70.4%	1,489	1,586	97	6.5%
71.6%	1,482	1,583	102	6.9%
72.8%	1,473	1,575	102	6.9%
74.1%	1,470	1,521	51	3.5%
75.3%	1,470	1,489	19	1.3%
76.5%	1,466	1,480	14	0.9%
77.8%	1,370	1,472	102	7.5%
79.0%	1,213	1,453	240	19.8%
80.2%	1,102	1,397	295	26.7%
81.5%	1,093	1,331	238	21.7%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,001	8	0.8%
86.4%	922	997	75	8.1%
87.7%	750	979	228	30.4%
88.9%	728	894	166	22.8%
90.1%	723	846	122	16.9%
91.4%	703	814	111	15.8%
92.6%	624	769	145	23.2%
93.8%	571	731	160	28.1%
95.1%	561	699	138	24.6%
96.3%	549	629	80	14.6%
97.5%	545	535	-10	-1.9%
98.8%	444	442	-2	-0.4%
100.0%	188	298	110	58.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,413	-378	-7.9%
2.5%	4,781	4,412	-369	-7.7%
3.7%	4,778	4,354	-424	-8.9%
4.9%	4,773	4,341	-432	-9.1%
6.2%	4,751	4,183	-568	-12.0%
7.4%	4,679	4,144	-535	-11.4%
8.6%	4,607	4,084	-523	-11.4%
9.9%	4,514	4,051	-462	-10.2%
11.1%	4,494	4,045	-449	-10.0%
12.3%	4,463	4,039	-424	-9.5%
13.6%	4,341	3,984	-356	-8.2%
14.8%	4,265	3,880	-385	-9.0%
16.0%	4,210	3,834	-377	-8.9%
17.3%	4,144	3,812	-332	-8.0%
18.5%	4,089	3,800	-289	-7.1%
19.8%	4,080	3,797	-283	-6.9%
21.0%	4,039	3,789	-251	-6.2%
22.2%	4,004	3,788	-216	-5.4%
23.5%	4,001	3,779	-222	-5.5%
24.7%	3,965	3,762	-203	-5.1%
25.9%	3,960	3,756	-203	-5.1%
27.2%	3,840	3,756	-85	-2.2%
28.4%	3,758	3,718	-40	-1.1%
29.6%	3,712	3,681	-31	-0.8%
30.9%	3,684	3,656	-28	-0.7%
32.1%	3,660	3,614	-46	-1.3%
33.3%	3,453	3,575	121	3.5%
34.6%	3,337	3,523	187	5.6%
35.8%	3,078	3,502	424	13.8%
37.0%	2,813	3,372	559	19.9%
38.3%	2,784	3,196	412	14.8%
39.5%	2,739	3,185	447	16.3%
40.7%	2,610	2,957	347	13.3%
42.0%	2,588	2,953	365	14.1%
43.2%	2,569	2,513	-56	-2.2%
44.4%	2,428	2,467	39	1.6%
45.7%	2,368	2,439	71	3.0%
46.9%	2,350	2,437	87	3.7%
48.1%	2,286	2,420	135	5.9%
49.4%	2,119	2,419	300	14.2%
50.6%	2,029	2,296	266	13.1%
51.9%	2,027	2,249	222	11.0%
53.1%	1,897	2,131	234	12.3%
54.3%	1,842	2,009	167	9.1%
55.6%	1,835	1,938	103	5.6%
56.8%	1,813	1,935	122	6.7%
58.0%	1,806	1,903	98	5.4%
59.3%	1,776	1,774	-2	-0.1%
60.5%	1,763	1,761	-2	-0.1%
61.7%	1,722	1,746	24	1.4%
63.0%	1,671	1,640	-31	-1.9%
64.2%	1,665	1,447	-219	-13.1%
65.4%	1,610	1,431	-179	-11.1%
66.7%	1,585	1,425	-159	-10.1%
67.9%	1,535	1,422	-113	-7.4%
69.1%	1,438	1,395	-43	-3.0%
70.4%	1,396	1,335	-61	-4.4%
71.6%	1,357	1,323	-34	-2.5%
72.8%	1,339	1,323	-16	-1.2%
74.1%	1,318	1,308	-10	-0.8%
75.3%	1,312	1,255	-56	-4.3%
76.5%	1,286	1,190	-96	-7.4%
77.8%	1,280	1,157	-124	-9.7%
79.0%	1,150	1,151	2	0.1%
80.2%	1,109	1,135	27	2.4%
81.5%	944	1,130	186	19.7%
82.7%	906	1,064	158	17.4%
84.0%	805	1,042	237	29.5%
85.2%	790	942	152	19.2%
86.4%	771	940	169	22.0%
87.7%	758	885	127	16.7%
88.9%	754	837	84	11.1%
90.1%	707	836	129	18.2%
91.4%	633	824	191	30.2%
92.6%	606	791	185	30.6%
93.8%	605	790	185	30.6%
95.1%	603	718	116	19.2%
96.3%	598	602	4	0.6%
97.5%	367	602	235	64.2%
98.8%	281	447	166	59.2%
100.0%	281	281	0	0.0%

Table SW-53-7a
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 Period[1]												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative C	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]	-1.0%	3.3%	7.1%	2.5%	3.0%	-1.6%	-3.5%	-3.1%	-4.5%	-0.9%	-1.4%	-3.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative C	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	3.1%	1.4%	8.0%	1.5%	0.9%	-0.5%	-0.2%	0.4%	1.1%	-3.0%	-2.5%	-3.4%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative C	3	5	5	7	10	7	4	4	5	6	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	4.1%	5.5%	10.0%	-0.9%	2.9%	-1.6%	0.9%	1.9%	-6.2%	0.3%	-6.0%	-9.2%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative C	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	7.0%	6.7%	6.4%	4.0%	5.6%	-3.6%	1.5%	-2.8%	-7.6%	3.0%	-6.3%	2.6%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative C	2	3	5	3	4	3	3	3	5	6	5	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-13.6%	6.8%	6.3%	10.3%	8.6%	-4.3%	-13.7%	-9.5%	-8.2%	-1.5%	-0.7%	0.8%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative C	2	2	3	3	3	2	3	3	5	6	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-8.0%	-4.8%	1.9%	3.9%	4.2%	-2.3%	-15.7%	-11.7%	-5.9%	-1.0%	11.3%	-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

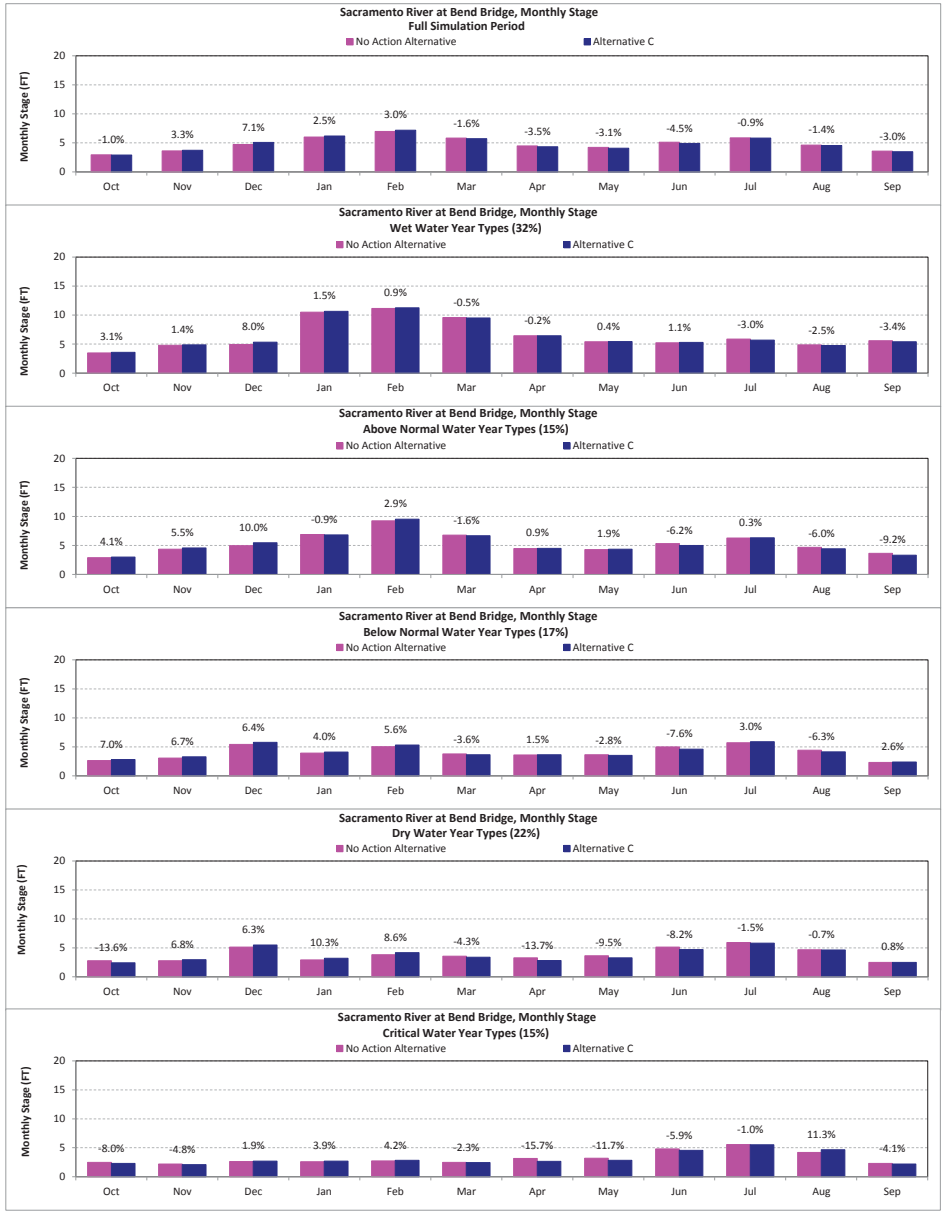

Figure SW-53-7b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

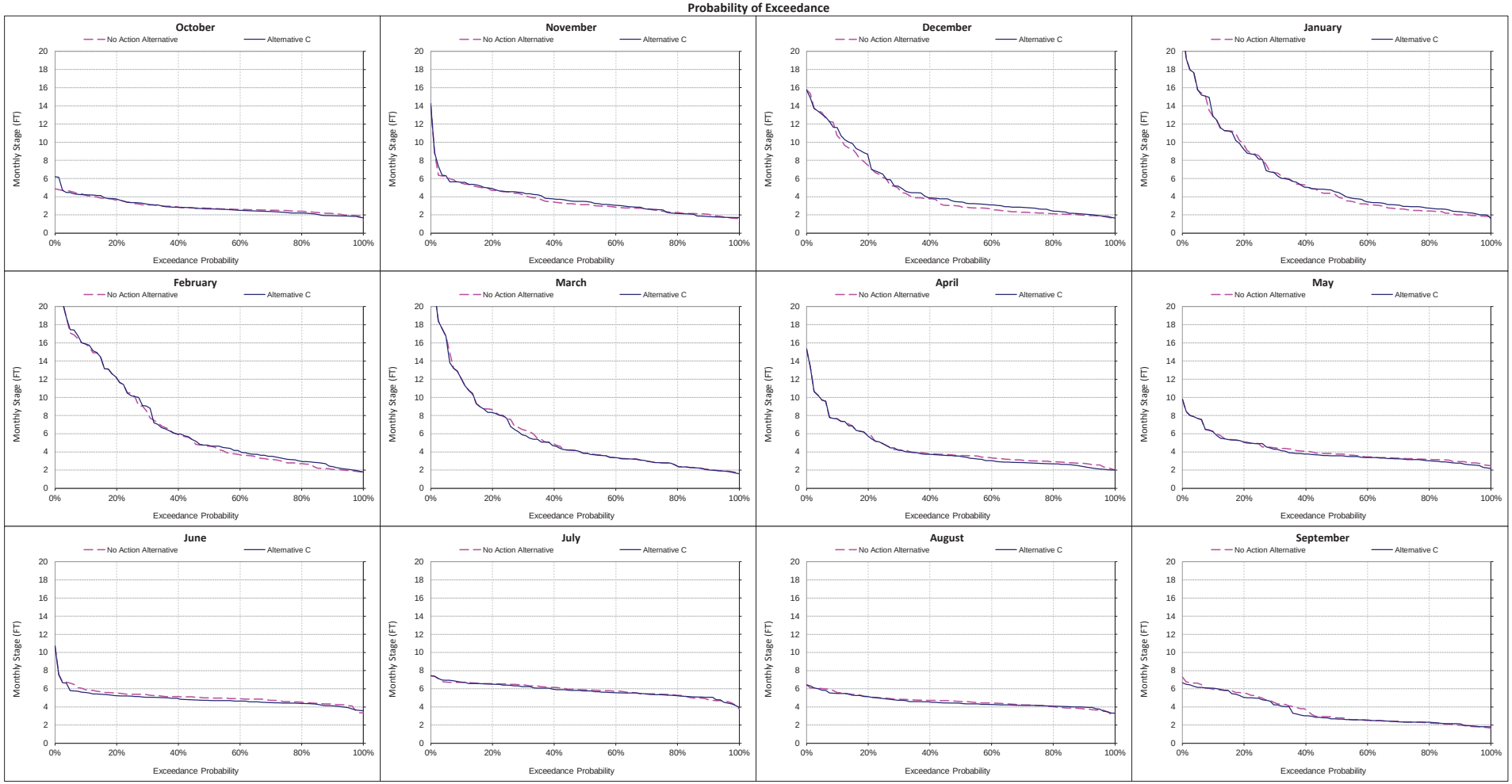

Table SW-53-7b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	6	1	27.0%
1.2%	5	6	1	28.8%
2.5%	5	5	0	-0.2%
3.7%	5	4	0	-5.0%
4.9%	5	4	0	-3.1%
6.2%	5	4	0	-3.9%
7.4%	4	4	0	-1.6%
8.6%	4	4	0	-1.9%
9.9%	4	4	0	1.0%
11.1%	4	4	0	2.9%
12.3%	4	4	0	4.8%
13.6%	4	4	0	4.2%
14.8%	4	4	0	7.0%
16.0%	4	4	0	2.2%
17.3%	4	4	0	0.1%
18.5%	4	4	0	1.9%
19.8%	4	4	0	3.8%
21.0%	4	4	0	0.4%
22.2%	4	4	0	-0.3%
23.5%	3	3	0	-0.7%
24.7%	3	3	0	-0.4%
25.9%	3	3	0	3.4%
27.2%	3	3	0	3.5%
28.4%	3	3	0	6.4%
29.6%	3	3	0	2.6%
30.9%	3	3	0	0.8%
32.1%	3	3	0	0.6%
33.3%	3	3	0	1.4%
34.6%	3	3	0	0.0%
35.8%	3	3	0	-2.4%
37.0%	3	3	0	-2.7%
38.3%	3	3	0	-2.8%
39.5%	3	3	0	-1.8%
40.7%	3	3	0	0.6%
42.0%	3	3	0	0.8%
43.2%	3	3	0	1.0%
44.4%	3	3	0	0.2%
45.7%	3	3	0	-2.2%
46.9%	3	3	0	-2.2%
48.1%	3	3	0	-2.3%
49.4%	3	3	0	-3.1%
50.6%	3	3	0	-2.5%
51.9%	3	3	0	-2.2%
53.1%	3	3	0	-2.2%
54.3%	3	3	0	-0.7%
55.6%	3	3	0	-1.3%
56.8%	3	3	0	-2.1%
58.0%	3	3	0	-3.1%
59.3%	3	3	0	-4.1%
60.5%	3	2	0	-4.6%
61.7%	3	2	0	-4.3%
63.0%	3	2	0	-4.3%
64.2%	3	2	0	-4.2%
65.4%	3	2	0	-4.5%
66.7%	3	2	0	-4.3%
67.9%	3	2	0	-5.6%
69.1%	3	2	0	-6.1%
70.4%	3	2	0	-6.2%
71.6%	3	2	0	-7.0%
72.8%	2	2	0	-7.3%
74.1%	2	2	0	-7.8%
75.3%	2	2	0	-8.1%
76.5%	2	2	0	-8.9%
77.8%	2	2	0	-9.0%
79.0%	2	2	0	-7.9%
80.2%	2	2	0	-8.1%
81.5%	2	2	0	-7.8%
82.7%	2	2	0	-7.5%
84.0%	2	2	0	-7.3%
85.2%	2	2	0	-10.0%
86.4%	2	2	0	-11.1%
87.7%	2	2	0	-11.5%
88.9%	2	2	0	-11.3%
90.1%	2	2	0	-11.2%
91.4%	2	2	0	-9.4%
92.6%	2	2	0	-7.7%
93.8%	2	2	0	-5.1%
95.1%	2	2	0	-3.6%
96.3%	2	2	0	-5.4%
97.5%	2	2	0	-5.3%
98.8%	2	2	0	-8.5%
100.0%	1	2	0	18.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	16.0%
3.7%	6	6	0	1.3%
4.9%	6	6	0	0.8%
6.2%	6	6	0	-5.8%
7.4%	6	6	0	-3.7%
8.6%	6	6	0	1.6%
9.9%	5	6	0	1.8%
11.1%	5	6	0	3.7%
12.3%	5	5	0	0.1%
13.6%	5	5	0	2.8%
14.8%	5	5	0	3.8%
16.0%	5	5	0	3.8%
17.3%	5	5	0	1.1%
18.5%	5	5	0	0.8%
19.8%	5	5	0	4.9%
21.0%	5	5	0	1.7%
22.2%	5	5	0	0.1%
23.5%	5	5	0	1.0%
24.7%	5	5	0	0.2%
25.9%	5	5	0	1.2%
27.2%	4	5	0	4.0%
28.4%	4	5	0	2.9%
29.6%	4	4	0	5.2%
30.9%	4	4	0	6.0%
32.1%	4	4	0	8.9%
33.3%	4	4	0	9.1%
34.6%	4	4	0	8.9%
35.8%	4	4	0	11.2%
37.0%	4	4	0	8.9%
38.3%	3	4	0	9.6%
39.5%	3	4	0	9.4%
40.7%	3	4	0	10.5%
42.0%	3	4	0	11.6%
43.2%	3	4	0	10.6%
44.4%	3	4	0	10.1%
45.7%	3	4	0	8.8%
46.9%	3	3	0	9.4%
48.1%	3	3	0	11.5%
49.4%	3	3	0	11.6%
50.6%	3	3	0	11.3%
51.9%	3	3	0	9.1%
53.1%	3	3	0	7.8%
54.3%	3	3	0	8.8%
55.6%	3	3	0	6.5%
56.8%	3	3	0	6.8%
58.0%	3	3	0	7.0%
59.3%	3	3	0	6.8%
60.5%	3	3	0	8.2%
61.7%	3	3	0	8.2%
63.0%	3	3	0	6.3%
64.2%	3	3	0	5.0%
65.4%	3	3	0	4.6%
66.7%	3	3	0	3.6%
67.9%	3	3	0	3.5%
69.1%	3	3	0	-2.2%
70.4%	3	3	0	-1.9%
71.6%	3	3	0	1.5%
72.8%	3	3	0	2.5%
74.1%	2	3	0	4.9%
75.3%	2	3	0	6.0%
76.5%	2	2	0	-3.5%
77.8%	2	2	0	-2.9%
79.0%	2	2	0	-4.5%
80.2%	2	2	0	-5.0%
81.5%	2	2	0	-2.7%
82.7%	2	2	0	-2.9%
84.0%	2	2	0	-2.5%
85.2%	2	2	0	-4.4%
86.4%	2	2	0	-11.9%
87.7%	2	2	0	-11.8%
88.9%	2	2	0	-12.7%
90.1%	2	2	0	-12.5%
91.4%	2	2	0	-7.3%
92.6%	2	2	0	-6.7%
93.8%	2	2	0	-4.3%
95.1%	2	2	0	-1.1%
96.3%	2	2	0	1.8%
97.5%	2	2	0	3.1%
98.8%	2	2	0	5.3%
100.0%	2	2	0	7.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-3.0%
2.5%	14	14	0	0.0%
3.7%	13	13	0	-0.2%
4.9%	13	13	0	-1.6%
6.2%	13	13	0	0.9%
7.4%	12	12	0	0.0%
8.6%	12	12	-1	-4.4%
9.9%	11	12	1	8.3%
11.1%	10	11	0	3.9%
12.3%	10	10	1	6.3%
13.6%	9	10	1	7.0%
14.8%	9	10	1	6.1%
16.0%	9	9	0	5.6%
17.3%	8	9	1	11.6%
18.5%	8	9	1	12.1%
19.8%	8	9	1	15.5%
21.0%	7	7	0	-1.3%
22.2%	7	7	0	2.4%
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	0	5.2%
33.3%	4	4	0	8.1%
34.6%	4	4	1	14.6%
35.8%	4	4	1	14.7%
37.0%	4	4	1	14.1%
38.3%	4	4	0	7.7%
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	17.1%
44.4%	3	4	1	23.1%
45.7%	3	4	1	23.7%
46.9%	3	4	1	17.6%
48.1%	3	3	0	14.8%
49.4%	3	3	0	15.9%
50.6%	3	3	1	20.0%
51.9%	3	3	0	14.9%
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	20.4%
63.0%	2	3	1	21.6%
64.2%	2	3	0	20.4%
65.4%	2	3	0	20.7%
66.7%	2	3	1	21.4%
67.9%	2	3	1	21.7%
69.1%	2	3	1	23.4%
70.4%	2	3	1	22.7%
71.6%	2	3	0	21.7%
72.8%	2	3	1	23.6%
74.1%	2	3	1	23.0%
75.3%	2	3	0	21.1%
76.5%	2	3	0	19.7%
77.8%	2	3	0	21.7%
79.0%	2	2	0	16.1%
80.2%	2	2	0	13.8%
81.5%	2	2	0	14.4%
82.7%	2	2	0	12.4%
84.0%	2	2	0	11.5%
85.2%	2	2	0	5.3%
86.4%	2	2	0	5.7%
87.7%	2	2	0	4.6%
88.9%	2	2	0	7.0%
90.1%	2	2	0	5.4%
91.4%	2	2	0	6.7%
92.6%	2	2	0	7.3%
93.8%	2	2	0	4.4%
95.1%	2	2	0	1.1%
96.3%	2	2	0	0.0%
97.5%	2	2	0	6.9%
98.8%	2	2	0	3.8%
100.0%	2	2	0	3.9%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.3%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-0.7%
8.6%	14	15	1	10.3%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	12	0	0.8%
13.6%	11	11	0	0.0%
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	9	-1	-6.1%
21.0%	9	9	0	-3.2%
22.2%	9	9	0	-0.9%
23.5%	9	9	0	-1.1%
24.7%	9	8	0	-4.4%
25.9%	8	8	0	0.7%
27.2%	8	7	-1	-9.2%
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	-4.0%
33.3%	6	6	0	-0.7%
34.6%	6	6	0	-1.5%
35.8%	6	6	0	1.0%
37.0%	5	6	0	3.6%
38.3%	5	5	0	-1.1%
39.5%	5	5	0	-4.3%
40.7%	5	5	0	-1.0%
42.0%	5	5	0	0.1%
43.2%	5	5	0	0.8%
44.4%	5	5	0	6.3%
45.7%	4	5	0	10.4%
46.9%	4	5	0	9.1%
48.1%	4	5	0	8.2%
49.4%	4	5	0	6.7%
50.6%	4	4	1	13.2%
51.9%	4	4	0	11.3%
53.1%	4	4	0	13.2%
54.3%	4	4	0	10.4%
55.6%	3	4	0	11.1%
56.8%	3	4	0	15.1%
58.0%	3	4	0	14.9%
59.3%	3	3	0	8.9%
60.5%	3	3	0	9.3%
61.7%	3	3	0	8.8%
63.0%	3	3	0	8.5%
64.2%	3	3	0	10.8%
65.4%	3	3	0	11.4%
66.7%	3	3	0	13.0%
67.9%	3	3	0	13.7%
69.1%	3	3	0	14.8%
70.4%	3	3	0	15.8%
71.6%	3	3	0	10.8%
72.8%	3	3	0	14.8%
74.1%	3	3	0	15.5%
75.3%	2	3	0	16.7%
76.5%	2	3	0	16.9%
77.8%	2	3	0	15.9%
79.0%	2	3	0	13.8%
80.2%	2	3	0	12.7%
81.5%	2	3	0	11.3%
82.7%	2	3	0	12.0%
84.0%	2	3	0	11.8%
85.2%	2	3	0	19.6%
86.4%	2	3	0	16.7%
87.7%	2	2	0	13.9%
88.9%	2	2	0	17.3%
90.1%	2	2	0	16.2%
91.4%	2	2	0	14.5%
92.6%	2	2	0	11.4%
93.8%	2	2	0	14.5%
95.1%	2	2	0	11.1%
96.3%	2	2	0	7.8%
97.5%	2	2	0	7.3%
98.8%	2	2	0	8.6%
100.0%	2	2	0	-10.4%

Table SW-53-7b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	20	22	1	5.0%
2.5%	20	21	0	0.3%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.3%
6.2%	17	17	1	3.1%
7.4%	16	17	0	2.0%
8.6%	16	16	0	0.0%
9.9%	16	16	0	0.0%
11.1%	16	16	0	1.1%
12.3%	15	15	0	1.4%
13.6%	15	15	0	0.2%
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	0	-0.4%
24.7%	10	10	0	-2.6%
25.9%	10	10	0	0.0%
27.2%	9	10	1	10.3%
28.4%	9	9	0	0.4%
29.6%	9	9	1	6.0%
30.9%	8	9	1	14.0%
32.1%	7	7	0	-3.5%
33.3%	7	7	0	-2.4%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-2.1%
37.0%	7	6	0	-3.1%
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	-0.6%
45.7%	5	5	0	6.5%
46.9%	5	5	0	1.3%
48.1%	5	5	0	0.1%
49.4%	5	5	0	2.1%
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	11.2%
60.5%	4	4	0	8.2%
61.7%	4	4	0	7.8%
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	11.3%
69.1%	3	4	0	10.8%
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	14.3%
76.5%	3	3	0	12.6%
77.8%	3	3	0	13.1%
79.0%	3	3	0	11.9%
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	27.0%
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	15.4%
91.4%	2	2	0	9.7%
92.6%	2	2	0	7.4%
93.8%	2	2	0	8.4%
95.1%	2	2	0	5.3%
96.3%	2	2	0	5.6%
97.5%	2	2	0	6.6%
98.8%	2	2	0	3.9%
100.0%	2	2	0	0.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-7.3%
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	-4.3%
19.8%	9	8	0	-3.9%
21.0%	8	8	0	-1.1%
22.2%	8	8	0	0.0%
23.5%	8	8	0	1.1%
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	-1	-9.0%
30.9%	6	6	-1	-9.3%
32.1%	6	5	-1	-11.9%
33.3%	6	5	-1	-9.9%
34.6%	5	5	0	-1.9%
35.8%	5	5	0	-6.0%
37.0%	5	5	0	-0.7%
38.3%	5	5	0	-0.1%
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	0.0%
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	0.2%
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	-1.3%
67.9%	3	3	0	-0.1%
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	-0.2%
86.4%	2	2	0	0.1%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-2.6%
90.1%	2	2	0	-3.7%
91.4%	2	2	0	-2.3%
92.6%	2	2	0	-1.5%
93.8%	2	2	0	-1.2%
95.1%	2	2	0	-1.5%
96.3%	2	2	0	-3.5%
97.5%	2	2	0	-4.9%
98.8%	2	2	0	-4.6%
100.0%	2	2	0	-5.3%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-0.7%
30.9%	4	4	0	-0.7%
32.1%	4	4	0	-3.6%
33.3%	4	4	0	-2.1%
34.6%	4	4	0	-0.8%
35.8%	4	4	0	-0.6%
37.0%	4	4	0	-3.4%
38.3%	4	4	0	-3.2%
39.5%	4	4	0	-1.8%
40.7%	4	4	0	-2.4%
42.0%	4	4	0	-2.4%
43.2%	4	4	0	-2.5%
44.4%	4	4	0	-2.9%
45.7%	4	4	0	-3.0%
46.9%	4	4	0	-2.6%
48.1%	4	4	0	-2.2%
49.4%	4	4	0	-1.9%
50.6%	4	3	0	-3.5%
51.9%	4	3	0	-4.8%
53.1%	4	3	0	-7.8%
54.3%	4	3	0	-8.7%
55.6%	4	3	0	-9.2%
56.8%	3	3	0	-7.1%
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	-11.5%
64.2%	3	3	0	-10.1%
65.4%	3	3	0	-9.1%
66.7%	3	3	0	-9.8%
67.9%	3	3	0	-8.9%
69.1%	3	3	0	-9.1%
70.4%	3	3	0	-8.5%
71.6%	3	3	0	-8.3%
72.8%	3	3	0	-7.5%
74.1%	3	3	0	-7.9%
75.3%	3	3	0	-7.5%
76.5%	3	3	0	-9.0%
77.8%	3	3	0	-8.8%
79.0%	3	3	0	-8.4%
80.2%	3	3	0	-8.4%
81.5%	3	3	0	-7.7%
82.7%	3	3	0	-8.3%
84.0%	3	3	0	-7.5%
85.2%	3	3	0	-6.6%
86.4%	3	3	0	-8.5%
87.7%	3	2	0	-10.1%
88.9%	3	2	0	-10.3%
90.1%	3	2	0	-12.8%
91.4%	3	2	0	-14.4%
92.6%	3	2	0	-14.0%
93.8%	3	2	0	-15.9%
95.1%	3	2	0	-18.2%
96.3%	2	2	0	-10.8%
97.5%	2	2	0	-10.0%
98.8%	2	2	0	-6.9%
100.0%	2	2	0	-0.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.6%
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	-0.9%
14.8%	5	5	0	0.0%
16.0%	5	5	0	-1.0%
17.3%	5	5	0	0.0%
18.5%	5	5	0	0.0%
19.8%	5	5	0	0.7%
21.0%	5	5	0	1.9%
22.2%	5	5	0	0.8%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	8.0%
27.2%	5	5	0	0.0%
28.4%	5	4	0	-1.3%
29.6%	4	4	0	-3.4%
30.9%	4	4	0	-3.4%
32.1%	4	4	0	-5.6%
33.3%	4	4	0	-6.6%
34.6%	4	4	0	-9.9%
35.8%	4	4	0	-9.5%
37.0%	4	4	0	-7.5%
38.3%	4	4	0	-6.9%
39.5%	4	4	0	-7.6%
40.7%	4	4	0	-7.4%
42.0%	4	4	0	-6.8%
43.2%	4	4	0	-4.6%
44.4%	4	4	0	-4.9%
45.7%	4	4	0	-5.5%
46.9%	4	4	0	-5.5%
48.1%	4	4	0	-6.3%
49.4%	4	4	0	-5.4%
50.6%	4	4	0	-5.2%
51.9%	4	4	0	-5.1%
53.1%	4	4	0	-5.0%
54.3%	4	3	0	-4.0%
55.6%	4	3	0	-3.8%
56.8%	4	3	0	-2.2%
58.0%	4	3	0	-4.2%
59.3%	3	3	0	-2.4%
60.5%	3	3	0	-2.0%
61.7%	3	3	0	-1.2%
63.0%	3	3	0	0.0%
64.2%	3	3	0	-1.0%
65.4%	3	3	0	-1.5%
66.7%	3	3	0	-2.5%
67.9%	3	3	0	-2.6%
69.1%	3	3	0	-2.5%
70.4%	3	3	0	-2.3%
71.6%	3	3	0	-2.0%
72.8%	3	3	0	-2.9%
74.1%	3	3	0	-2.6%
75.3%	3	3	0	-1.9%
76.5%	3	3	0	-1.5%
77.8%	3	3	0	-2.6%
79.0%	3	3	0	-4.4%
80.2%	3	3	0	-4.8%
81.5%	3	3	0	-5.7%
82.7%	3	3	0	-6.5%
84.0%	3	3	0	-7.3%
85.2%	3	3	0	-7.1%
86.4%	3	3	0	-8.4%
87.7%	3	3	0	-4.9%
88.9%	3	3	0	-6.5%
90.1%	3	3	0	-6.4%
91.4%	3	3	0	-8.9%
92.6%	3	3	0	-7.8%
93.8%	3	3	0	-7.9%
95.1%	3	3	0	-9.1%
96.3%	3	2	0	-9.6%
97.5%	3	2	0	-10.9%
98.8%	3	2	0	-12.5%
100.0%	2	2	0	-11.9%

Table SW-53-7b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-1.2%
3.7%	7	7	0	-2.0%
4.9%	7	6	-1	-12.6%
6.2%	6	6	-1	-10.9%
7.4%	6	6	0	-6.0%
8.6%	6	6	0	-7.2%
9.9%	6	6	0	-5.1%
11.1%	6	6	0	-4.6%
12.3%	6	5	0	-6.4%
13.6%	6	5	0	-5.1%
14.8%	6	5	0	-5.1%
16.0%	6	5	0	-4.2%
17.3%	6	5	0	-4.3%
18.5%	6	5	0	-4.5%
19.8%	6	5	0	-5.3%
21.0%	5	5	0	-5.2%
22.2%	5	5	0	-4.5%
23.5%	5	5	0	-3.6%
24.7%	5	5	0	-3.6%
25.9%	5	5	0	-4.5%
27.2%	5	5	0	-4.5%
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	-3.6%
34.6%	5	5	0	-3.6%
35.8%	5	5	0	-2.7%
37.0%	5	5	0	-2.7%
38.3%	5	5	0	-3.6%
39.5%	5	5	0	-3.7%
40.7%	5	5	0	-5.2%
42.0%	5	5	0	-5.2%
43.2%	5	5	0	-6.4%
44.4%	5	5	0	-6.4%
45.7%	5	5	0	-5.8%
46.9%	5	5	0	-6.5%
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	-5.5%
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	-5.0%
60.5%	5	5	0	-5.0%
61.7%	5	5	0	-5.0%
63.0%	5	5	0	-6.5%
64.2%	5	5	0	-6.5%
65.4%	5	5	0	-6.6%
66.7%	5	5	0	-7.5%
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	-5.3%
74.1%	5	4	0	-3.8%
75.3%	5	4	0	-3.8%
76.5%	5	4	0	-3.8%
77.8%	5	4	0	-3.2%
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	-2.1%
86.4%	4	4	0	-3.9%
87.7%	4	4	0	-4.1%
88.9%	4	4	0	-4.2%
90.1%	4	4	0	-4.8%
91.4%	4	4	0	-3.7%
92.6%	4	4	0	-4.7%
93.8%	4	4	0	-5.7%
95.1%	4	4	0	-5.5%
96.3%	4	4	0	-8.5%
97.5%	4	4	0	3.2%
98.8%	3	4	0	7.5%
100.0%	3	4	0	6.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	2.3%
4.9%	7	7	0	2.7%
6.2%	7	7	0	3.2%
7.4%	7	7	0	2.5%
8.6%	7	7	0	1.4%
9.9%	7	7	0	0.7%
11.1%	7	7	0	0.0%
12.3%	7	7	0	-1.3%
13.6%	7	7	0	-1.3%
14.8%	7	7	0	-0.7%
16.0%	7	7	0	-0.1%
17.3%	7	7	0	-0.6%
18.5%	7	7	0	-0.6%
19.8%	7	7	0	-0.6%
21.0%	7	6	0	-0.8%
22.2%	7	6	0	-0.8%
23.5%	7	6	0	-1.9%
24.7%	7	6	0	-1.9%
25.9%	6	6	0	-1.9%
27.2%	6	6	0	-2.4%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	-3.3%
30.9%	6	6	0	-2.7%
32.1%	6	6	0	-1.5%
33.3%	6	6	0	-3.6%
34.6%	6	6	0	-3.8%
35.8%	6	6	0	-2.5%
37.0%	6	6	0	-2.0%
38.3%	6	6	0	-1.3%
39.5%	6	6	0	-3.2%
40.7%	6	6	0	-4.0%
42.0%	6	6	0	-3.4%
43.2%	6	6	0	-3.0%
44.4%	6	6	0	-1.5%
45.7%	6	6	0	-2.1%
46.9%	6	6	0	-2.2%
48.1%	6	6	0	-1.5%
49.4%	6	6	0	-2.0%
50.6%	6	6	0	-1.5%
51.9%	6	6	0	-1.5%
53.1%	6	6	0	-2.9%
54.3%	6	6	0	-2.4%
55.6%	6	6	0	-2.5%
56.8%	6	6	0	-2.4%
58.0%	6	6	0	-3.0%
59.3%	6	6	0	-2.5%
60.5%	6	6	0	-3.3%
61.7%	6	6	0	-3.3%
63.0%	6	6	0	-1.7%
64.2%	6	6	0	-1.0%
65.4%	6	6	0	-0.9%
66.7%	6	6	0	-0.1%
67.9%	5	5	0	0.9%
69.1%	5	5	0	-0.1%
70.4%	5	5	0	-0.9%
71.6%	5	5	0	-1.5%
72.8%	5	5	0	-1.5%
74.1%	5	5	0	-0.8%
75.3%	5	5	0	-0.8%
76.5%	5	5	0	-1.8%
77.8%	5	5	0	-1.8%
79.0%	5	5	0	-0.9%
80.2%	5	5	0	-1.7%
81.5%	5	5	0	-1.1%
82.7%	5	5	0	-0.2%
84.0%	5	5	0	1.8%
85.2%	5	5	0	2.8%
86.4%	5	5	0	2.7%
87.7%	5	5	0	2.8%
88.9%	5	5	0	2.9%
90.1%	5	5	0	6.2%
91.4%	5	5	0	6.9%
92.6%	5	5	0	1.8%
93.8%	5	5	0	1.7%
95.1%	5	5	0	-2.8%
96.3%	5	4	0	-3.8%
97.5%	4	4	0	-2.9%
98.8%	4	4	0	-0.7%
100.0%	4	4	0	4.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	3.7%
2.5%	6	6	0	0.0%
3.7%	6	6	0	0.0%
4.9%	6	6	0	-2.8%
6.2%	6	6	0	-2.8%
7.4%	6	6	0	-6.8%
8.6%	6	5	0	-5.4%
9.9%	6	5	0	-1.7%
11.1%	6	5	0	-0.9%
12.3%	5	5	0	0.0%
13.6%	5	5	0	-1.0%
14.8%	5	5	0	-1.9%
16.0%	5	5	0	-1.9%
17.3%	5	5	0	-0.8%
18.5%	5	5	0	-0.9%
19.8%	5	5	0	-0.1%
21.0%	5	5	0	-0.1%
22.2%	5	5	0	-1.0%
23.5%	5	5	0	-1.0%
24.7%	5	5	0	-0.8%
25.9%	5	5	0	-1.8%
27.2%	5	5	0	-1.7%
28.4%	5	5	0	-2.0%
29.6%	5	5	0	-2.8%
30.9%	5	5	0	-2.1%
32.1%	5	5	0	-2.8%
33.3%	5	5	0	-3.7%
34.6%	5	5	0	-3.7%
35.8%	5	5	0	-3.0%
37.0%	5	5	0	-3.1%
38.3%	5	5	0	-3.7%
39.5%	5	5	0	-3.8%
40.7%	5	5	0	-4.7%
42.0%	5	5	0	-4.8%
43.2%	5	4	0	-5.2%
44.4%	5	4	0	-5.2%
45.7%	5	4	0	-5.2%
46.9%	5	4	0	-5.8%
48.1%	5	4	0	-4.8%
49.4%	5	4	0	-4.1%
50.6%	5	4	0	-4.9%
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	-4.0%
56.8%	4	4	0	-3.6%
58.0%	4	4	0	-3.8%
59.3%	4	4	0	-4.2%
60.5%	4	4	0	-3.4%
61.7%	4	4	0	-3.5%
63.0%	4	4	0	-3.7%
64.2%	4	4	0	-3.5%
65.4%	4	4	0	-2.7%
66.7%	4	4	0	-2.2%
67.9%	4	4	0	-1.5%
69.1%	4	4	0	-1.8%
70.4%	4	4	0	-1.4%
71.6%	4	4	0	-1.4%
72.8%	4	4	0	-1.2%
74.1%	4	4	0	-0.3%
75.3%	4	4	0	0.1%
76.5%	4	4	0	0.6%
77.8%	4	4	0	1.3%
79.0%	4	4	0	0.8%
80.2%	4	4	0	1.4%
81.5%	4	4	0	3.8%
82.7%	4	4	0	3.4%
84.0%	4	4	0	3.8%
85.2%	4	4	0	3.9%
86.4%	4	4	0	3.2%
87.7%	4	4	0	3.4%
88.9%	4	4	0	4.5%
90.1%	4	4	0	5.0%
91.4%	4	4	0	5.1%
92.6%	4	4	0	7.3%
93.8%	4	4	0	4.3%
95.1%	4	4	0	2.8%
96.3%	4	4	0	-2.3%
97.5%	3	3	0	0.5%
98.8%	3	3	0	4.1%
100.0%	3	3	0	8.4%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.8%
1.2%	7	6	0	-3.9%
2.5%	7	6	0	-3.4%
3.7%	7	6	0	-5.2%
4.9%	7	6	0	-7.0%
6.2%	6	6	0	-4.7%
7.4%	6	6	0	0.1%
8.6%	6	6	0	0.0%
9.9%	6	6	0	2.2%
11.1%	6	6	0	2.2%
12.3%	6	6	0	1.4%
13.6%	6	6	0	0.6%
14.8%	6	6	0	0.1%
16.0%	6	5	0	-5.8%
17.3%	6	5	0	-3.7%
18.5%	6	5	0	-6.1%
19.8%	5	5	0	-7.8%
21.0%	5	5	0	-8.6%
22.2%	5	5	0	-5.2%
23.5%	5	5	0	-5.4%
24.7%	5	5	0	-2.7%
25.9%	5	5	0	-3.8%
27.2%	5	5	0	0.0%
28.4%	5	5	0	-2.1%
29.6%	5	4	0	-6.2%
30.9%	4	4	0	-2.5%
32.1%	4	4	0	-4.9%
33.3%	4	4	0	-6.1%
34.6%	4	4	0	-2.3%
35.8%	4	3	-1	-19.0%
37.0%	4	3	-1	-18.3%
38.3%	4	3	-1	-18.0%
39.5%	4	3	-1	-20.3%
40.7%	3	3	0	-13.6%
42.0%	3	3	0	-6.2%
43.2%	3	3	0	-3.6%
44.4%	3	3	0	-3.2%
45.7%	3	3	0	-4.3%
46.9%	3	3	0	-3.9%
48.1%	3	3	0	-7.3%
49.4%	3	3	0	-5.2%
50.6%	3	3	0	-4.8%
51.9%	3	3	0	-5.0%
53.1%	3	3	0	-4.3%
54.3%	3	3	0	0.3%
55.6%	3	3	0	-0.7%
56.8%	3	3	0	-0.3%
58.0%	3	3	0	0.3%
59.3%	3	3	0	1.9%
60.5%	3	3	0	1.5%
61.7%	2	3	0	0.7%
63.0%	2	2	0	0.2%
64.2%	2	2	0	0.3%
65.4%	2	2	0	1.0%
66.7%	2	2	0	-0.3%
67.9%	2	2	0	-0.7%
69.1%	2	2	0	-1.3%
70.4%	2	2	0	-2.5%
71.6%	2	2	0	0.6%
72.8%	2	2	0	-0.1%
74.1%	2	2	0	0.0%
75.3%	2	2	0	0.7%
76.5%	2	2	0	0.9%
77.8%	2	2	0	1.0%
79.0%	2	2	0	2.3%
80.2%	2	2	0	4.3%
81.5%	2	2	0	2.9%
82.7%	2	2	0	3.2%
84.0%	2	2	0	1.3%
85.2%	2	2	0	3.2%
86.4%	2	2	0	3.5%
87.7%	2	2	0	4.3%
88.9%	2	2	0	6.6%
90.1%	2	2	0	7.8%
91.4%	2	2	0	1.1%
92.6%	2	2	0	3.9%
93.8%	2	2	0	4.3%
95.1%	2	2	0	4.1%
96.3%	2	2	0	0.7%
97.5%	2	2	0	3.4%
98.8%	2	2	0	3.7%
100.0%	2	2	0	8.5%

Table SW-54-7a
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
Long-term												
Full Simulation Period[1]												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative C	29	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]	0.0%	0.2%	-0.2%	-0.7%	-0.8%	-1.4%	-0.6%	-0.2%	0.7%	1.1%	0.1%	-0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative C	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%	0.1%	-0.3%	-0.7%	-0.6%	-0.7%	-0.2%	-0.1%	1.1%	0.9%	-0.3%	-0.1%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative C	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.0%	0.4%	-0.3%	-1.5%	-1.0%	-1.7%	-0.7%	-0.2%	0.7%	1.5%	-0.2%	-0.5%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative C	29	30	31	30	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	1	0	0
Percent Difference	0.5%	0.4%	-0.1%	-1.1%	-0.8%	-2.2%	-0.5%	-0.2%	0.2%	1.9%	0.1%	0.3%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative C	29	30	31	30	30	30	29	29	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.8%	0.2%	0.2%	-0.3%	-0.7%	-2.1%	-1.2%	-0.4%	0.5%	1.0%	0.4%	0.2%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative C	29	29	30	29	30	29	29	29	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.7%	-0.3%	-0.4%	-0.3%	-0.7%	-1.1%	-0.3%	-0.3%	0.6%	0.6%	1.0%	-0.3%

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

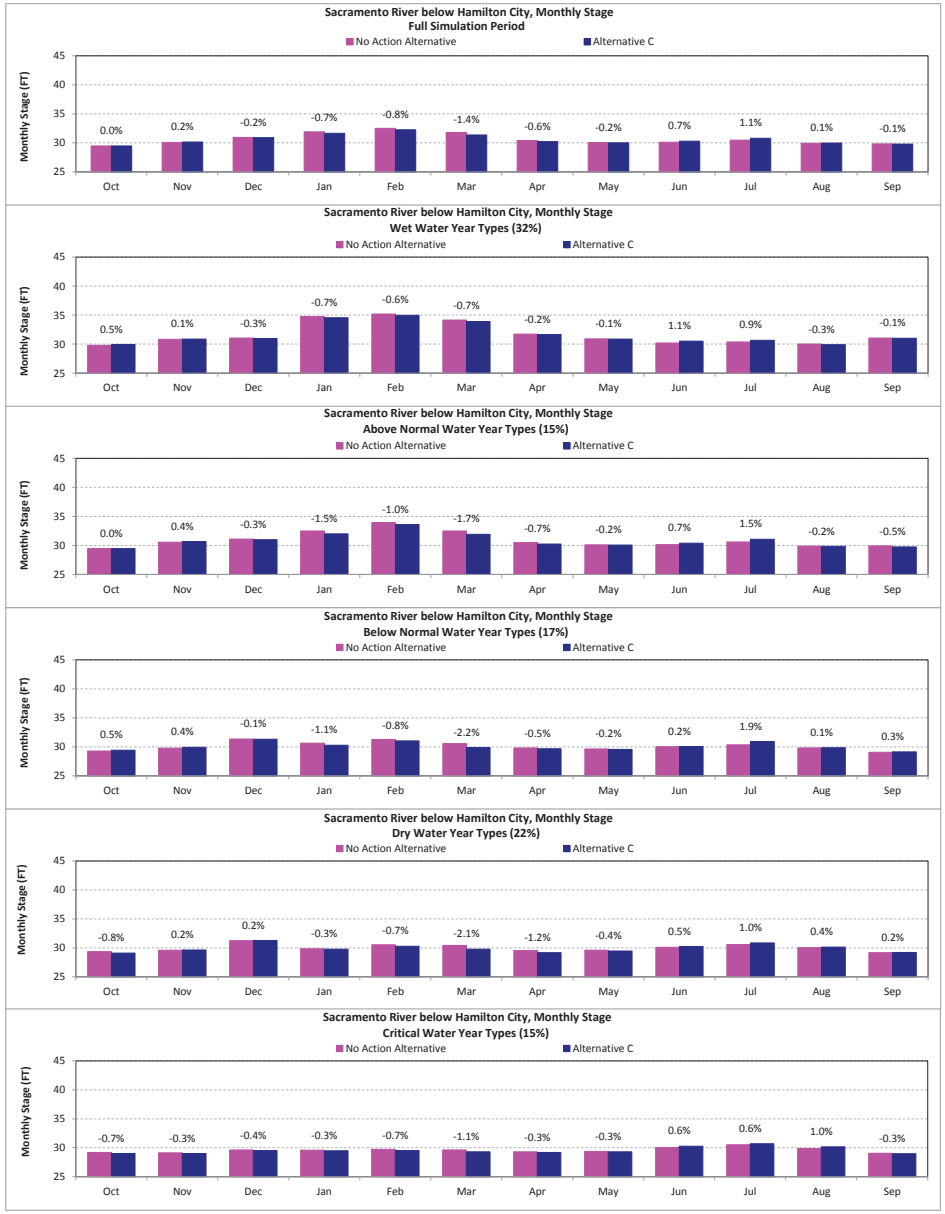

Figure SW-54-7b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

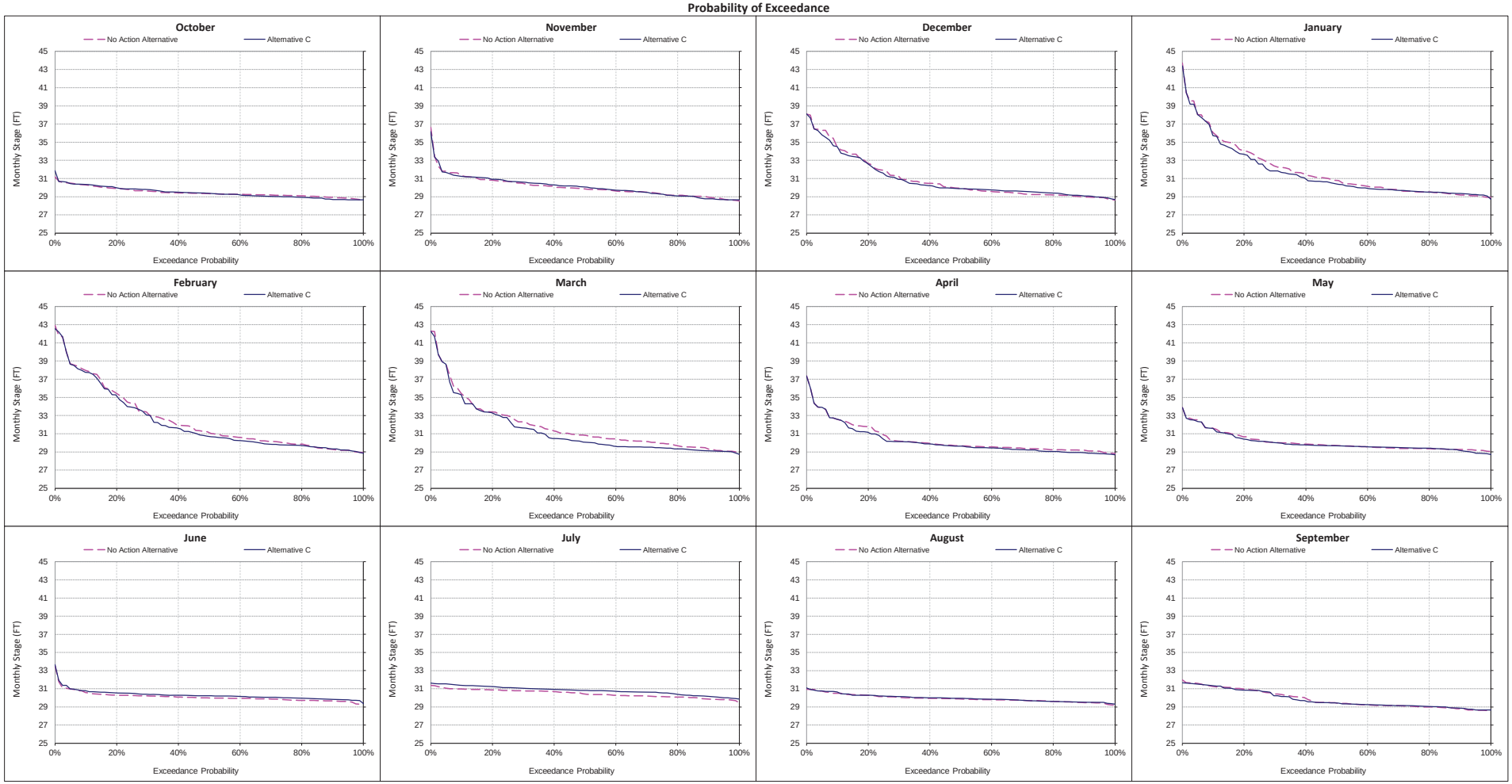

Table SW-54-7b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	2.2%
1.2%	31	31	0	-0.1%
2.5%	31	31	0	0.3%
3.7%	31	31	0	0.3%
4.9%	31	30	0	-0.2%
6.2%	30	30	0	-0.2%
7.4%	30	30	0	0.1%
8.6%	30	30	0	0.1%
9.9%	30	30	0	0.1%
11.1%	30	30	0	0.3%
12.3%	30	30	0	0.4%
13.6%	30	30	0	0.3%
14.8%	30	30	0	0.3%
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	0.0%
23.5%	30	30	0	0.2%
24.7%	30	30	0	0.2%
25.9%	30	30	0	0.6%
27.2%	30	30	0	0.6%
28.4%	30	30	0	0.5%
29.6%	30	30	0	0.5%
30.9%	30	30	0	0.6%
32.1%	30	30	0	0.4%
33.3%	30	30	0	0.3%
34.6%	29	30	0	0.5%
35.8%	29	30	0	0.3%
37.0%	29	30	0	0.3%
38.3%	29	30	0	0.3%
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	0.2%
45.7%	29	29	0	0.2%
46.9%	29	29	0	0.2%
48.1%	29	29	0	0.2%
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	0.0%
54.3%	29	29	0	0.0%
55.6%	29	29	0	-0.1%
56.8%	29	29	0	0.0%
58.0%	29	29	0	0.0%
59.3%	29	29	0	-0.1%
60.5%	29	29	0	-0.3%
61.7%	29	29	0	-0.4%
63.0%	29	29	0	-0.3%
64.2%	29	29	0	-0.4%
65.4%	29	29	0	-0.5%
66.7%	29	29	0	-0.5%
67.9%	29	29	0	-0.5%
69.1%	29	29	0	-0.6%
70.4%	29	29	0	-0.5%
71.6%	29	29	0	-0.5%
72.8%	29	29	0	-0.5%
74.1%	29	29	0	-0.5%
75.3%	29	29	0	-0.5%
76.5%	29	29	0	-0.5%
77.8%	29	29	0	-0.5%
79.0%	29	29	0	-0.6%
80.2%	29	29	0	-0.6%
81.5%	29	29	0	-0.6%
82.7%	29	29	0	-0.6%
84.0%	29	29	0	-0.7%
85.2%	29	29	0	-0.6%
86.4%	29	29	0	-0.6%
87.7%	29	29	0	-0.7%
88.9%	29	29	0	-0.6%
90.1%	29	29	0	-0.8%
91.4%	29	29	0	-0.7%
92.6%	29	29	0	-0.6%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.6%
96.3%	29	29	0	-0.4%
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 C 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	1	1.7%
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	-0.3%
11.1%	31	31	0	-0.1%
12.3%	31	31	0	-0.1%
13.6%	31	31	0	0.1%
14.8%	31	31	0	0.3%
16.0%	31	31	0	0.7%
17.3%	31	31	0	0.6%
18.5%	31	31	0	0.8%
19.8%	31	31	0	0.3%
21.0%	31	31	0	0.4%
22.2%	31	31	0	0.6%
23.5%	31	31	0	0.4%
24.7%	31	31	0	0.1%
25.9%	31	31	0	0.0%
27.2%	31	31	0	0.3%
28.4%	31	31	0	0.5%
29.6%	31	31	0	0.4%
30.9%	30	31	0	0.7%
32.1%	30	31	0	0.7%
33.3%	30	30	0	0.8%
34.6%	30	30	0	0.8%
35.8%	30	30	0	0.7%
37.0%	30	30	0	0.7%
38.3%	30	30	0	0.5%
39.5%	30	30	0	0.5%
40.7%	30	30	0	0.9%
42.0%	30	30	0	0.6%
43.2%	30	30	0	0.7%
44.4%	30	30	0	0.8%
45.7%	30	30	0	0.8%
46.9%	30	30	0	0.7%
48.1%	30	30	0	0.6%
49.4%	30	30	0	0.7%
50.6%	30	30	0	0.7%
51.9%	30	30	0	0.5%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.3%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.4%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.4%
65.4%	30	30	0	0.3%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	30	0	-0.1%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	-0.4%
72.8%	29	29	0	-0.2%
74.1%	29	29	0	-0.2%
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	-0.1%
80.2%	29	29	0	-0.2%
81.5%	29	29	0	-0.3%
82.7%	29	29	0	-0.1%
84.0%	29	29	0	-0.1%
85.2%	29	29	0	0.0%
86.4%	29	29	0	-0.5%
87.7%	29	29	0	-0.7%
88.9%	29	29	0	-0.9%
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	-0.4%
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 C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.8%
2.5%	36	36	0	0.1%
3.7%	36	36	0	-0.3%
4.9%	36	36	0	-1.4%
6.2%	36	36	-1	-2.1%
7.4%	36	35	0	-1.1%
8.6%	35	35	-1	-2.4%
9.9%	35	35	0	0.0%
11.1%	34	34	0	-1.1%
12.3%	34	34	0	-1.1%
13.6%	34	34	0	-0.8%
14.8%	34	33	0	-0.7%
16.0%	34	33	0	-0.9%
17.3%	33	33	0	0.3%
18.5%	33	33	0	-0.4%
19.8%	33	33	0	-0.1%
21.0%	33	32	0	-0.6%
22.2%	32	32	0	-0.5%
23.5%	32	32	0	-0.6%
24.7%	32	32	0	-1.0%
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	-1.4%
44.4%	30	30	0	-0.5%
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	0.0%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.3%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.5%
58.0%	30	30	0	0.6%
59.3%	30	30	0	0.5%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.7%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.5%
65.4%	29	30	0	0.5%
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	1.0%
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	0.7%
82.7%	29	29	0	0.6%
84.0%	29	29	0	0.3%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.3%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.4%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.2%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.3%
100.0%	29	29	0	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-0.9%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	0.0%
6.2%	38	38	0	-0.7%
7.4%	37	37	0	0.0%
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	-1	-1.5%
13.6%	35	35	0	-1.2%
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	33	-1	-2.1%
23.5%	34	33	-1	-1.5%
24.7%	33	33	-1	-2.0%
25.9%	33	33	-1	-1.5%
27.2%	33	32	-1	-2.3%
28.4%	33	32	-1	-2.4%
29.6%	32	32	-1	-1.7%
30.9%	32	32	0	-1.3%
32.1%	32	32	-1	-1.8%
33.3%	32	32	-1	-1.8%
34.6%	32	32	-1	-1.7%
35.8%	32	31	0	-0.6%
37.0%	32	31	0	-0.8%
38.3%	32	31	0	-1.5%
39.5%	32	31	0	-1.4%
40.7%	31	31	-1	-1.9%
42.0%	31	31	-1	-1.7%
43.2%	31	31	0	-1.4%
44.4%	31	31	0	-1.4%
45.7%	31	31	0	-1.4%
46.9%	31	31	0	-1.3%
48.1%	31	31	0	-1.2%
49.4%	31	30	0	-1.1%
50.6%	31	30	0	-1.3%
51.9%	31	30	0	-0.6%
53.1%	30	30	0	-0.8%
54.3%	30	30	0	-0.8%
55.6%	30	30	0	-0.9%
56.8%	30	30	0	-1.1%
58.0%	30	30	0	-0.9%
59.3%	30	30	0	-0.8%
60.5%	30	30	0	-0.8%
61.7%	30	30	0	-0.7%
63.0%	30	30	0	-0.8%
64.2%	30	30	0	-0.9%
65.4%	30	30	0	-0.6%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.2%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	0.3%
72.8%	30	30	0	0.2%
74.1%	30	30	0	0.1%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.0%
79.0%	30	30	0	0.0%
80.2%	30	29	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.3%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.5%
92.6%	29	29	0	0.5%
93.8%	29	29	0	0.4%
95.1%	29	29	0	0.5%
96.3%	29	29	0	0.4%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.4%
100.0%	29	29	0	-0.8%

Table SW-54-7b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	-0.8%
1.2%	42	42	0	1.0%
2.5%	42	42	0	0.0%
3.7%	40	40	0	0.0%
4.9%	39	39	0	-0.1%
6.2%	39	39	0	-0.2%
7.4%	38	38	0	-0.7%
8.6%	38	38	0	-0.5%
9.9%	38	38	0	-0.6%
11.1%	38	38	0	-0.3%
12.3%	38	38	0	-0.2%
13.6%	38	37	0	-1.1%
14.8%	37	37	0	-1.2%
16.0%	36	36	0	-0.4%
17.3%	36	36	0	-0.1%
18.5%	36	35	0	-1.3%
19.8%	35	35	0	-0.7%
21.0%	35	35	0	-1.4%
22.2%	35	34	0	-1.4%
23.5%	34	34	0	-1.4%
24.7%	34	34	0	-1.2%
25.9%	34	34	0	-1.5%
27.2%	34	34	0	0.5%
28.4%	33	33	0	0.0%
29.6%	33	33	0	-0.9%
30.9%	33	33	0	0.1%
32.1%	33	32	-1	-1.9%
33.3%	33	32	-1	-1.9%
34.6%	33	32	-1	-2.4%
35.8%	32	32	-1	-1.9%
37.0%	32	32	-1	-2.4%
38.3%	32	32	-1	-1.8%
39.5%	32	32	0	-1.0%
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	-2.0%
45.7%	31	31	0	-1.1%
46.9%	31	31	0	-1.5%
48.1%	31	31	0	-1.5%
49.4%	31	31	-1	-1.6%
50.6%	31	31	0	-1.2%
51.9%	31	31	0	-1.1%
53.1%	31	31	0	-1.2%
54.3%	31	31	0	-0.7%
55.6%	31	31	0	-0.7%
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	-0.5%
80.2%	30	30	0	-0.6%
81.5%	30	30	0	-0.3%
82.7%	30	30	0	-0.4%
84.0%	30	30	0	-0.1%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
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%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-1.9%
7.4%	36	36	-1	-1.9%
8.6%	36	35	-1	-1.6%
9.9%	35	35	0	-0.4%
11.1%	35	34	-1	-2.1%
12.3%	35	34	-1	-1.5%
13.6%	34	34	0	0.2%
14.8%	34	34	0	0.0%
16.0%	34	34	0	-0.6%
17.3%	33	33	0	-0.1%
18.5%	33	33	0	-0.2%
19.8%	33	33	0	-0.3%
21.0%	33	33	0	-0.8%
22.2%	33	33	0	-0.4%
23.5%	33	33	0	-0.8%
24.7%	33	33	0	-0.7%
25.9%	33	32	-1	-1.8%
27.2%	33	32	-1	-2.4%
28.4%	32	32	-1	-1.8%
29.6%	32	32	-1	-2.0%
30.9%	32	32	-1	-1.9%
32.1%	32	32	0	-1.5%
33.3%	32	31	0	-1.4%
34.6%	32	31	-1	-2.3%
35.8%	32	31	-1	-2.2%
37.0%	32	31	-1	-1.9%
38.3%	31	31	-1	-2.9%
39.5%	31	30	-1	-2.9%
40.7%	31	30	-1	-2.6%
42.0%	31	30	-1	-2.1%
43.2%	31	30	-1	-2.1%
44.4%	31	30	-1	-2.2%
45.7%	31	30	-1	-2.2%
46.9%	31	30	-1	-2.2%
48.1%	31	30	-1	-2.2%
49.4%	31	30	-1	-2.5%
50.6%	31	30	-1	-2.5%
51.9%	31	30	-1	-2.1%
53.1%	31	30	-1	-2.0%
54.3%	31	30	-1	-2.5%
55.6%	31	30	-1	-2.3%
56.8%	30	30	-1	-2.2%
58.0%	30	30	-1	-2.3%
59.3%	30	30	-1	-2.6%
60.5%	30	30	-1	-2.7%
61.7%	30	30	-1	-2.4%
63.0%	30	30	-1	-2.4%
64.2%	30	30	-1	-2.2%
65.4%	30	30	-1	-2.2%
66.7%	30	30	-1	-2.2%
67.9%	30	30	-1	-2.2%
69.1%	30	30	-1	-2.1%
70.4%	30	30	-1	-2.0%
71.6%	30	30	-1	-1.8%
72.8%	30	29	-1	-1.9%
74.1%	30	29	0	-1.6%
75.3%	30	29	-1	-1.7%
76.5%	30	29	0	-1.5%
77.8%	30	29	0	-1.5%
79.0%	30	29	0	-1.4%
80.2%	30	29	0	-1.2%
81.5%	30	29	0	-0.9%
82.7%	30	29	0	-0.9%
84.0%	30	29	0	-1.0%
85.2%	30	29	0	-1.0%
86.4%	30	29	0	-1.2%
87.7%	29	29	0	-1.1%
88.9%	29	29	0	-1.1%
90.1%	29	29	0	-0.6%
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	0.0%
97.5%	29	29	0	-0.1%
98.8%	29	29	0	-0.5%
100.0%	29	29	0	-0.5%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-1	-1.8%
14.8%	32	32	0	-1.4%
16.0%	32	31	-1	-1.8%
17.3%	32	31	-1	-2.0%
18.5%	32	31	-1	-1.9%
19.8%	32	31	-1	-1.9%
21.0%	32	31	-1	-2.4%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-1.2%
24.7%	31	30	0	-1.6%
25.9%	31	30	-1	-1.9%
27.2%	30	30	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	0.0%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.1%
44.4%	30	30	0	-0.2%
45.7%	30	30	0	-0.2%
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	-0.1%
51.9%	30	30	0	-0.3%
53.1%	30	30	0	-0.3%
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	-0.3%
60.5%	30	29	0	-0.4%
61.7%	30	29	0	-0.4%
63.0%	29	29	0	-0.3%
64.2%	29	29	0	-0.5%
65.4%	29	29	0	-0.6%
66.7%	29	29	0	-0.6%
67.9%	29	29	0	-0.6%
69.1%	29	29	0	-0.6%
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	-0.7%
76.5%	29	29	0	-0.8%
77.8%	29	29	0	-0.8%
79.0%	29	29	0	-0.7%
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	-0.9%
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	-0.8%
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	-0.6%
97.5%	29	29	0	-0.5%
98.8%	29	29	0	-0.4%
100.0%	29	29	0	-0.5%

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

Table SW-54-7b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.4%
1.2%	32	32	0	0.5%
2.5%	31	31	0	0.9%
3.7%	31	31	0	1.0%
4.9%	31	31	0	0.0%
6.2%	31	31	0	0.1%
7.4%	31	31	0	0.3%
8.6%	31	31	0	0.1%
9.9%	31	31	0	0.7%
11.1%	31	31	0	0.5%
12.3%	30	31	0	0.7%
13.6%	30	31	0	0.8%
14.8%	30	31	0	0.8%
16.0%	30	31	0	0.7%
17.3%	30	31	0	0.8%
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	31	0	0.8%
24.7%	30	30	0	0.8%
25.9%	30	30	0	0.8%
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	0.7%
34.6%	30	30	0	0.6%
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	0.7%
40.7%	30	30	0	0.7%
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	0.8%
54.3%	30	30	0	0.8%
55.6%	30	30	0	0.8%
56.8%	30	30	0	0.8%
58.0%	30	30	0	0.8%
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	0.5%
64.2%	30	30	0	0.6%
65.4%	30	30	0	0.7%
66.7%	30	30	0	0.6%
67.9%	30	30	0	0.6%
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	0.6%
74.1%	30	30	0	0.6%
75.3%	30	30	0	0.8%
76.5%	30	30	0	0.8%
77.8%	30	30	0	0.8%
79.0%	30	30	0	0.9%
80.2%	30	30	0	0.8%
81.5%	30	30	0	0.7%
82.7%	30	30	0	0.7%
84.0%	30	30	0	0.6%
85.2%	30	30	0	0.7%
86.4%	30	30	0	0.6%
87.7%	30	30	0	0.7%
88.9%	30	30	0	0.6%
90.1%	30	30	0	0.6%
91.4%	30	30	0	0.6%
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	1.3%
98.8%	29	30	0	1.3%
100.0%	29	29	0	0.3%

July

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

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.5%
1.2%	31	31	0	0.0%
2.5%	31	31	0	-0.2%
3.7%	31	31	0	0.0%
4.9%	31	31	0	0.0%
6.2%	31	31	0	0.2%
7.4%	31	31	0	0.3%
8.6%	31	31	0	0.6%
9.9%	30	31	0	0.5%
11.1%	30	30	0	-0.1%
12.3%	30	30	0	0.2%
13.6%	30	30	0	0.2%
14.8%	30	30	0	-0.2%
16.0%	30	30	0	-0.2%
17.3%	30	30	0	-0.2%
18.5%	30	30	0	0.0%
19.8%	30	30	0	0.0%
21.0%	30	30	0	0.1%
22.2%	30	30	0	0.1%
23.5%	30	30	0	0.2%
24.7%	30	30	0	0.2%
25.9%	30	30	0	0.2%
27.2%	30	30	0	0.2%
28.4%	30	30	0	0.1%
29.6%	30	30	0	0.3%
30.9%	30	30	0	0.4%
32.1%	30	30	0	0.3%
33.3%	30	30	0	0.3%
34.6%	30	30	0	0.2%
35.8%	30	30	0	0.2%
37.0%	30	30	0	0.2%
38.3%	30	30	0	0.1%
39.5%	30	30	0	0.2%
40.7%	30	30	0	0.2%
42.0%	30	30	0	0.2%
43.2%	30	30	0	0.3%
44.4%	30	30	0	0.2%
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	0.3%
51.9%	30	30	0	0.2%
53.1%	30	30	0	0.2%
54.3%	30	30	0	0.2%
55.6%	30	30	0	0.2%
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	0.1%
61.7%	30	30	0	0.1%
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	0.0%
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	-0.2%
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	0.1%
90.1%	29	30	0	0.2%
91.4%	29	30	0	0.1%
92.6%	29	30	0	0.1%
93.8%	29	30	0	0.2%
95.1%	29	30	0	0.2%
96.3%	29	30	0	0.3%
97.5%	29	29	0	0.4%
98.8%	29	29	0	0.5%
100.0%	29	29	0	0.4%

September

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

Table SW-56-7a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	29	32	34	37	38	37	32	30	29	30	29	31
Alternative C	30	33	34	36	37	36	31	30	29	32	30	32
Difference	1	1	0	-1	-1	-1	0	0	0	2	1	1
Percent Difference[3]	3.4%	3.6%	0.0%	-2.2%	-1.8%	-3.9%	-0.7%	0.1%	1.6%	5.5%	4.0%	3.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative C	32	36	35	41	42	40	36	33	30	31	29	37
Difference	2	1	0	0	0	0	0	0	1	2	0	1
Percent Difference	5.2%	3.6%	-0.1%	-1.1%	-0.9%	-1.2%	-0.4%	-0.1%	1.8%	5.5%	0.6%	3.0%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative C	30	34	35	38	40	39	33	30	29	32	29	32
Difference	1	2	0	-1	-1	-2	-1	0	0	2	1	1
Percent Difference	3.6%	5.4%	-1.0%	-2.6%	-2.9%	-4.0%	-1.6%	-0.8%	0.0%	6.8%	2.6%	2.6%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative C	30	32	36	34	37	33	30	28	28	32	29	29
Difference	1	1	0	-2	-1	-3	0	0	0	2	1	1
Percent Difference	4.2%	3.6%	0.8%	-5.4%	-1.7%	-7.5%	-1.1%	-0.7%	0.7%	7.8%	4.5%	4.0%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative C	29	31	35	32	34	32	28	28	29	32	31	30
Difference	0	1	0	0	-1	-2	0	0	1	2	2	2
Percent Difference	1.2%	3.7%	0.7%	-1.5%	-2.3%	-6.4%	-0.9%	1.5%	2.8%	5.1%	6.8%	5.3%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative C	28	28	31	31	31	31	27	27	29	31	31	29
Difference	0	0	0	-1	-1	-1	0	0	1	1	2	1
Percent Difference	1.5%	1.2%	-1.0%	-1.7%	-2.3%	-2.6%	0.6%	0.7%	2.1%	2.6%	8.4%	2.8%

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

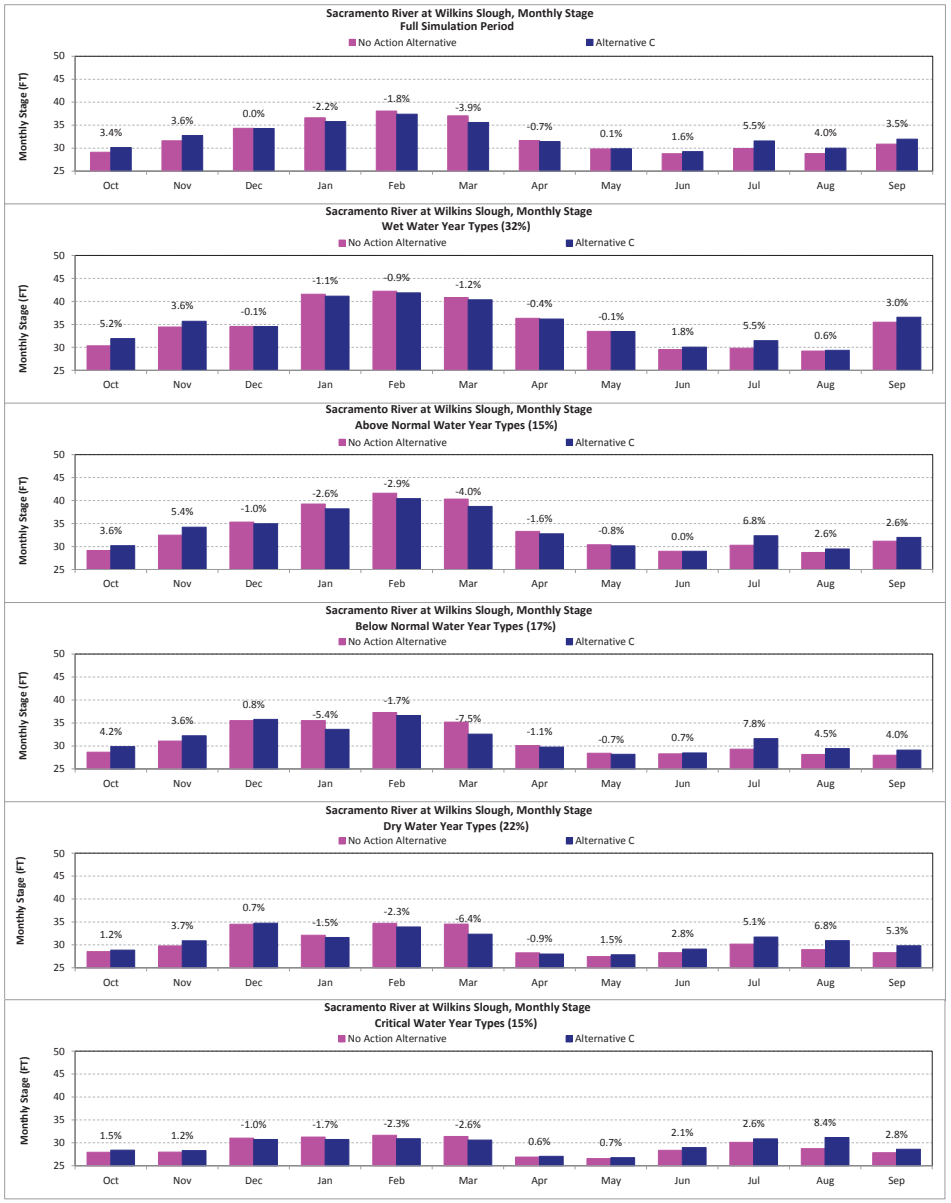

Figure SW-56-7b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

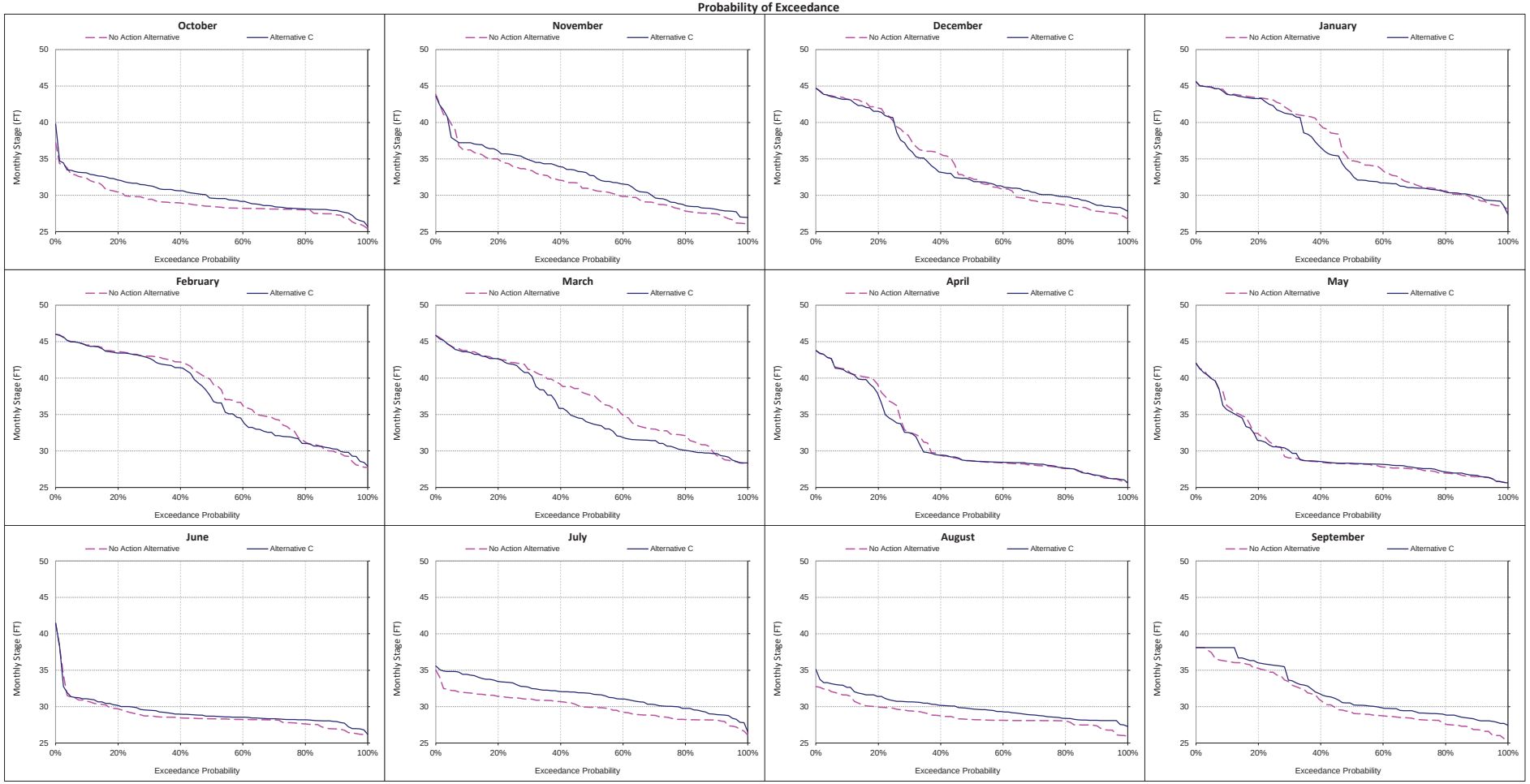

Table SW-56-7b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	40	3	6.9%
1.2%	34	35	0	1.1%
2.5%	34	34	0	0.5%
3.7%	34	33	0	-0.9%
4.9%	33	33	1	1.8%
6.2%	33	33	0	1.3%
7.4%	33	33	1	1.8%
8.6%	32	33	1	1.9%
9.9%	32	33	1	2.2%
11.1%	32	33	1	2.8%
12.3%	32	33	1	3.1%
13.6%	32	33	1	2.7%
14.8%	31	33	1	3.9%
16.0%	31	33	2	5.5%
17.3%	31	32	2	5.3%
18.5%	31	32	2	5.5%
19.8%	30	32	2	5.4%
21.0%	30	32	2	5.2%
22.2%	30	32	2	6.4%
23.5%	30	32	2	6.2%
24.7%	30	32	2	6.2%
25.9%	30	32	2	6.2%
27.2%	30	31	2	5.7%
28.4%	30	31	2	6.2%
29.6%	29	31	2	6.5%
30.9%	29	31	2	6.2%
32.1%	29	31	2	6.4%
33.3%	29	31	2	6.1%
34.6%	29	31	2	6.0%
35.8%	29	31	2	6.0%
37.0%	29	31	2	6.3%
38.3%	29	31	2	5.7%
39.5%	29	31	2	5.7%
40.7%	29	31	2	5.9%
42.0%	29	30	2	5.5%
43.2%	29	30	2	5.4%
44.4%	29	30	2	5.6%
45.7%	29	30	2	5.4%
46.9%	29	30	2	5.4%
48.1%	28	30	2	5.5%
49.4%	28	30	1	4.0%
50.6%	28	30	1	4.1%
51.9%	28	30	1	4.2%
53.1%	28	30	1	4.2%
54.3%	28	30	1	4.5%
55.6%	28	29	1	4.0%
56.8%	28	29	1	3.9%
58.0%	28	29	1	3.8%
59.3%	28	29	1	3.3%
60.5%	28	29	1	3.4%
61.7%	28	29	1	2.8%
63.0%	28	29	1	2.3%
64.2%	28	29	1	2.2%
65.4%	28	29	1	2.0%
66.7%	28	29	0	1.5%
67.9%	28	29	0	1.6%
69.1%	28	29	0	1.5%
70.4%	28	28	0	1.1%
71.6%	28	28	0	1.0%
72.8%	28	28	0	0.9%
74.1%	28	28	0	0.6%
75.3%	28	28	0	0.6%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.5%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.4%
81.5%	28	28	0	0.4%
82.7%	28	28	1	2.0%
84.0%	27	28	1	2.0%
85.2%	27	28	1	2.1%
86.4%	27	28	1	2.1%
87.7%	27	28	1	1.9%
88.9%	27	28	0	1.7%
90.1%	27	28	1	2.2%
91.4%	27	28	1	1.8%
92.6%	27	28	1	3.0%
93.8%	27	28	1	2.8%
95.1%	26	27	1	3.4%
96.3%	26	27	1	2.4%
97.5%	26	27	0	1.9%
98.8%	26	26	1	2.2%
100.0%	25	26	0	1.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.6%
1.2%	42	42	0	-0.2%
2.5%	41	42	1	1.5%
3.7%	41	41	0	0.0%
4.9%	40	38	-2	-4.6%
6.2%	39	38	-1	-3.6%
7.4%	37	37	0	1.2%
8.6%	36	37	1	2.5%
9.9%	36	37	1	2.8%
11.1%	36	37	1	2.8%
12.3%	36	37	1	3.3%
13.6%	36	37	1	3.4%
14.8%	36	37	1	3.9%
16.0%	35	37	1	4.0%
17.3%	35	36	1	4.0%
18.5%	35	36	1	4.0%
19.8%	35	36	1	3.2%
21.0%	35	36	1	3.0%
22.2%	34	36	1	3.6%
23.5%	34	36	1	3.9%
24.7%	34	36	2	4.8%
25.9%	34	35	2	4.8%
27.2%	34	35	2	5.1%
28.4%	34	35	1	4.3%
29.6%	33	35	1	4.3%
30.9%	33	35	1	4.0%
32.1%	33	35	1	4.5%
33.3%	33	35	2	5.1%
34.6%	33	34	2	4.8%
35.8%	33	34	2	5.0%
37.0%	32	34	2	6.3%
38.3%	32	34	2	5.9%
39.5%	32	34	2	5.8%
40.7%	32	34	2	5.7%
42.0%	32	34	2	5.7%
43.2%	32	34	2	5.7%
44.4%	32	33	2	5.4%
45.7%	32	33	2	4.9%
46.9%	31	33	2	7.3%
48.1%	31	33	2	6.9%
49.4%	31	33	2	5.9%
50.6%	31	33	2	6.5%
51.9%	31	32	2	5.6%
53.1%	31	32	1	4.8%
54.3%	30	32	1	4.7%
55.6%	30	32	2	5.0%
56.8%	30	32	2	5.1%
58.0%	30	32	2	5.3%
59.3%	30	32	2	5.7%
60.5%	30	32	2	5.6%
61.7%	30	31	2	5.6%
63.0%	30	31	1	4.7%
64.2%	30	31	1	3.3%
65.4%	29	30	1	3.8%
66.7%	29	30	1	4.6%
67.9%	29	30	1	4.4%
69.1%	29	30	1	3.2%
70.4%	29	30	1	2.4%
71.6%	29	30	1	2.8%
72.8%	29	30	1	2.7%
74.1%	29	29	1	2.4%
75.3%	29	29	1	1.9%
76.5%	28	29	1	2.6%
77.8%	28	29	1	2.3%
79.0%	28	29	1	2.9%
80.2%	28	29	1	2.7%
81.5%	28	28	1	2.6%
82.7%	28	28	1	2.8%
84.0%	28	28	1	3.1%
85.2%	28	28	1	2.6%
86.4%	28	28	1	2.5%
87.7%	28	28	1	2.5%
88.9%	27	28	1	2.5%
90.1%	27	28	1	2.2%
91.4%	27	28	1	2.4%
92.6%	27	28	1	3.3%
93.8%	27	28	1	3.9%
95.1%	27	28	1	4.4%
96.3%	26	28	2	5.9%
97.5%	26	27	1	3.3%
98.8%	26	27	1	3.3%
100.0%	26	27	1	3.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
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	-0.6%
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	-1	-1.2%
13.6%	43	42	-1	-1.8%
14.8%	43	42	-1	-1.2%
16.0%	43	42	-1	-1.6%
17.3%	42	42	0	-0.4%
18.5%	42	42	-1	-1.4%
19.8%	42	42	0	-1.1%
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	0	1.1%
25.9%	39	39	-1	-2.0%
27.2%	39	38	-2	-3.9%
28.4%	39	37	-1	-3.5%
29.6%	38	36	-2	-4.8%
30.9%	37	36	-1	-3.7%
32.1%	37	35	-1	-3.8%
33.3%	36	35	-1	-3.1%
34.6%	36	35	-1	-2.9%
35.8%	36	35	-1	-3.9%
37.0%	36	34	-2	-5.5%
38.3%	36	34	-2	-6.4%
39.5%	36	33	-3	-7.2%
40.7%	35	33	-2	-6.6%
42.0%	35	33	-2	-6.7%
43.2%	35	33	-2	-5.9%
44.4%	34	32	-2	-5.3%
45.7%	33	32	-1	-1.6%
46.9%	33	32	0	-1.5%
48.1%	32	32	0	-0.4%
49.4%	32	32	0	-0.8%
50.6%	32	32	0	-1.0%
51.9%	32	32	0	-0.9%
53.1%	32	32	0	0.6%
54.3%	32	32	0	0.9%
55.6%	31	32	0	0.6%
56.8%	31	32	0	1.3%
58.0%	31	31	0	0.6%
59.3%	31	31	0	1.2%
60.5%	31	31	0	0.7%
61.7%	31	31	0	0.7%
63.0%	31	31	0	1.4%
64.2%	30	31	1	4.1%
65.4%	30	31	1	4.1%
66.7%	30	31	1	3.6%
67.9%	29	31	1	4.1%
69.1%	29	30	1	4.1%
70.4%	29	30	1	3.9%
71.6%	29	30	1	3.7%
72.8%	29	30	1	3.7%
74.1%	29	30	1	3.8%
75.3%	29	30	1	4.0%
76.5%	29	30	1	3.8%
77.8%	29	30	1	3.7%
79.0%	29	30	1	3.8%
80.2%	29	30	1	4.0%
81.5%	29	30	1	3.8%
82.7%	28	30	1	3.8%
84.0%	28	30	1	3.9%
85.2%	28	29	1	3.4%
86.4%	28	29	1	3.4%
87.7%	28	29	1	3.6%
88.9%	28	29	1	3.6%
90.1%	28	29	1	2.9%
91.4%	28	29	1	3.1%
92.6%	28	28	1	2.8%
93.8%	28	28	1	3.2%
95.1%	28	28	1	3.0%
96.3%	27	28	1	3.2%
97.5%	27	28	1	3.9%
98.8%	27	28	1	3.8%
100.0%	27	28	1	4.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
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	0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	44	0	-0.6%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.2%
12.3%	44	44	0	-0.2%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.4%
16.0%	44	43	0	-0.4%
17.3%	44	43	0	-0.4%
18.5%	43	43	0	-0.4%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	-1.0%
23.5%	43	42	-1	-1.6%
24.7%	43	42	-1	-1.8%
25.9%	43	42	-1	-2.4%
27.2%	43	42	-1	-2.4%
28.4%	42	41	-1	-2.1%
29.6%	42	41	-1	-1.5%
30.9%	41	41	0	-0.9%
32.1%	41	41	0	-0.9%
33.3%	41	41	0	-0.9%
34.6%	41	39	-2	-5.8%
35.8%	41	38	-2	-6.0%
37.0%	41	38	-3	-6.7%
38.3%	41	37	-3	-8.0%
39.5%	40	37	-3	-7.6%
40.7%	39	36	-3	-7.7%
42.0%	39	36	-3	-8.3%
43.2%	39	36	-3	-7.7%
44.4%	38	35	-3	-7.8%
45.7%	38	35	-3	-7.8%
46.9%	36	34	-2	-5.0%
48.1%	35	34	-2	-5.2%
49.4%	35	33	-2	-4.5%
50.6%	35	32	-2	-6.5%
51.9%	35	32	-3	-7.3%
53.1%	34	32	-2	-6.8%
54.3%	34	32	-2	-6.1%
55.6%	34	32	-2	-6.5%
56.8%	34	32	-2	-6.3%
58.0%	34	32	-2	-6.3%
59.3%	34	32	-2	-5.8%
60.5%	33	32	-1	-4.5%
61.7%	33	32	-1	-4.0%
63.0%	33	32	-1	-3.4%
64.2%	33	32	-1	-3.3%
65.4%	32	31	-1	-3.4%
66.7%	32	31	-1	-2.3%
67.9%	32	31	-1	-2.4%
69.1%	32	31	-1	-2.2%
70.4%	31	31	0	-1.3%
71.6%	31	31	0	-0.9%
72.8%	31	31	0	-0.4%
74.1%	31	31	0	-0.4%
75.3%	31	31	0	-0.7%
76.5%	31	31	0	-0.5%
77.8%	31	31	0	-0.6%
79.0%	31	31	0	0.0%
80.2%	31	30	0	-0.6%
81.5%	30	30	0	0.4%
82.7%	30	30	0	0.6%
84.0%	30	30	0	0.5%
85.2%	30	30	0	0.4%
86.4%	30	30	0	0.5%
87.7%	30	30	0	0.8%
88.9%	29	30	0	1.5%
90.1%	29	30	0	1.1%
91.4%	29	30	0	1.7%
92.6%	29	29	0	0.6%
93.8%	29	29	1	1.8%
95.1%	29	29	1	1.9%
96.3%	29	29	1	2.3%
97.5%	29	29	1	2.3%
98.8%	28	29	0	0.5%
100.0%	28	27	-1	-2.5%

Table SW-56-7b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	-0.2%
2.5%	46	46	0	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	44	0	-0.2%
11.1%	45	44	0	-0.4%
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	-0.4%
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	-0.2%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	0.0%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	0.0%
28.4%	43	43	0	-0.2%
29.6%	43	43	0	-0.6%
30.9%	43	43	0	-1.0%
32.1%	43	42	-1	-1.8%
33.3%	43	42	-1	-2.0%
34.6%	43	42	-1	-1.8%
35.8%	43	42	-1	-1.8%
37.0%	42	42	-1	-1.8%
38.3%	42	41	-1	-1.9%
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	40	-1	-3.0%
45.7%	41	39	-1	-3.4%
46.9%	40	39	-1	-3.7%
48.1%	40	38	-2	-4.3%
49.4%	40	38	-2	-5.5%
50.6%	39	37	-2	-6.0%
51.9%	39	37	-2	-6.0%
53.1%	38	37	-2	-4.7%
54.3%	37	35	-2	-4.7%
55.6%	37	35	-2	-5.2%
56.8%	37	35	-2	-5.0%
58.0%	37	35	-2	-5.6%
59.3%	37	35	-2	-5.9%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-2	-6.8%
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	-6.0%
70.4%	34	32	-2	-6.5%
71.6%	34	32	-2	-6.3%
72.8%	34	32	-2	-4.7%
74.1%	33	32	-1	-4.3%
75.3%	33	32	-1	-3.1%
76.5%	33	32	-1	-2.8%
77.8%	32	32	0	-0.5%
79.0%	32	31	0	-1.5%
80.2%	31	31	0	-0.4%
81.5%	31	31	0	0.1%
82.7%	31	31	0	-0.8%
84.0%	31	31	0	-0.4%
85.2%	31	31	0	0.2%
86.4%	30	30	0	1.4%
87.7%	30	30	0	1.4%
88.9%	30	30	0	1.0%
90.1%	30	30	1	1.7%
91.4%	30	30	0	1.0%
92.6%	29	30	1	1.7%
93.8%	29	30	1	1.9%
95.1%	29	29	1	2.6%
96.3%	28	29	1	4.1%
97.5%	28	29	1	2.2%
98.8%	28	28	1	2.4%
100.0%	28	28	0	0.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-0.4%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	-0.4%
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	0.0%
21.0%	42	42	0	0.0%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	-0.4%
24.7%	42	42	0	-0.6%
25.9%	42	42	0	-0.8%
27.2%	42	41	-1	-1.9%
28.4%	42	41	-1	-2.7%
29.6%	41	41	0	-1.1%
30.9%	41	40	-1	-2.1%
32.1%	41	39	-2	-4.7%
33.3%	40	38	-2	-5.2%
34.6%	40	38	-2	-5.0%
35.8%	40	38	-2	-5.5%
37.0%	40	38	-2	-5.5%
38.3%	40	37	-3	-6.5%
39.5%	39	36	-3	-8.7%
40.7%	39	36	-3	-7.7%
42.0%	39	35	-3	-8.7%
43.2%	39	35	-4	-10.1%
44.4%	39	35	-4	-10.0%
45.7%	39	35	-4	-10.5%
46.9%	38	34	-4	-9.5%
48.1%	38	34	-4	-10.1%
49.4%	38	34	-4	-10.1%
50.6%	38	34	-4	-10.7%
51.9%	37	34	-4	-9.7%
53.1%	37	33	-3	-8.8%
54.3%	36	33	-3	-9.1%
55.6%	36	33	-3	-8.9%
56.8%	36	33	-3	-8.8%
58.0%	36	32	-4	-10.5%
59.3%	35	32	-3	-9.1%
60.5%	35	32	-3	-8.5%
61.7%	35	32	-3	-8.4%
63.0%	34	32	-2	-6.8%
64.2%	34	32	-2	-6.0%
65.4%	33	32	-2	-5.5%
66.7%	33	31	-2	-5.3%
67.9%	33	31	-2	-4.8%
69.1%	33	31	-2	-4.8%
70.4%	33	31	-2	-4.8%
71.6%	33	31	-2	-5.4%
72.8%	33	31	-2	-5.3%
74.1%	33	31	-2	-6.4%
75.3%	32	31	-2	-5.2%
76.5%	32	30	-2	-5.6%
77.8%	32	30	-2	-6.2%
79.0%	32	30	-2	-6.3%
80.2%	32	30	-2	-6.3%
81.5%	31	30	-1	-4.5%
82.7%	31	30	-1	-4.4%
84.0%	31	30	-1	-4.2%
85.2%	31	30	-1	-3.5%
86.4%	31	30	-1	-3.7%
87.7%	31	30	-1	-3.0%
88.9%	30	30	0	-0.7%
90.1%	29	30	0	1.0%
91.4%	29	29	0	0.7%
92.6%	29	29	1	1.8%
93.8%	29	29	0	1.5%
95.1%	29	29	0	0.7%
96.3%	29	29	0	0.1%
97.5%	28	28	0	0.3%
98.8%	28	28	0	0.1%
100.0%	28	28	0	1.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-1	-1.3%
14.8%	40	40	0	-1.1%
16.0%	40	40	0	-0.9%
17.3%	40	39	-1	-2.2%
18.5%	40	39	-1	-2.6%
19.8%	39	38	-1	-3.2%
21.0%	38	37	-1	-3.8%
22.2%	37	35	-2	-6.6%
23.5%	37	35	-2	-6.4%
24.7%	37	34	-2	-6.4%
25.9%	36	34	-2	-6.5%
27.2%	34	34	-1	-1.7%
28.4%	33	33	0	-1.1%
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	-4.4%
35.8%	31	30	-1	-4.3%
37.0%	30	30	0	-0.4%
38.3%	30	30	0	-0.7%
39.5%	30	29	0	-0.2%
40.7%	29	29	0	0.4%
42.0%	29	29	0	0.2%
43.2%	29	29	0	0.3%
44.4%	29	29	0	0.5%
45.7%	29	29	0	0.3%
46.9%	29	29	0	0.0%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.0%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.0%
54.3%	28	29	0	0.2%
55.6%	28	29	0	0.4%
56.8%	28	28	0	0.2%
58.0%	28	28	0	0.2%
59.3%	28	28	0	0.3%
60.5%	28	28	0	0.4%
61.7%	28	28	0	0.4%
63.0%	28	28	0	0.5%
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	0.6%
69.1%	28	28	0	0.6%
70.4%	28	28	0	0.7%
71.6%	28	28	0	0.8%
72.8%	28	28	0	0.7%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.4%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.0%
79.0%	28	28	0	0.3%
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	-0.4%
87.7%	27	27	0	0.0%
88.9%	27	27	0	0.0%
90.1%	27	27	0	0.4%
91.4%	26	27	0	0.4%
92.6%	26	26	0	0.9%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.7%
98.8%	26	26	0	0.9%
100.0%	26	26	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-0.9%
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	0.0%
8.6%	38	36	-2	-5.0%
9.9%	36	36	-1	-1.6%
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	33	-1	-3.7%
17.3%	34	33	0	-1.4%
18.5%	32	32	0	0.0%
19.8%	32	31	-1	-3.0%
21.0%	32	31	-1	-1.8%
22.2%	32	31	-1	-2.1%
23.5%	31	31	0	-1.5%
24.7%	31	31	0	-1.2%
25.9%	31	31	0	0.0%
27.2%	31	30	0	-0.1%
28.4%	29	30	1	4.0%
29.6%	29	30	1	3.7%
30.9%	29	30	1	2.2%
32.1%	29	30	1	2.3%
33.3%	29	29	0	-0.3%
34.6%	29	29	0	-0.1%
35.8%	29	29	0	0.0%
37.0%	29	29	0	0.2%
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	0.2%
43.2%	28	28	0	0.3%
44.4%	28	28	0	0.1%
45.7%	28	28	0	0.2%
46.9%	28	28	0	0.2%
48.1%	28	28	0	0.2%
49.4%	28	28	0	0.2%
50.6%	28	28	0	0.3%
51.9%	28	28	0	0.2%
53.1%	28	28	0	0.2%
54.3%	28	28	0	0.2%
55.6%	28	28	0	0.1%
56.8%	28	28	0	0.7%
58.0%	28	28	0	0.7%
59.3%	28	28	0	1.2%
60.5%	28	28	0	1.3%
61.7%	28	28	0	1.3%
63.0%	28	28	0	1.4%
64.2%	28	28	0	1.3%
65.4%	28	28	0	1.2%
66.7%	28	28	0	1.1%
67.9%	28	28	0	0.9%
69.1%	28	28	0	0.8%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.6%
72.8%	27	28	0	0.9%
74.1%	27	28	0	1.1%
75.3%	27	28	0	1.1%
76.5%	27	28	0	1.2%
77.8%	27	27	0	1.3%
79.0%	27	27	0	0.8%
80.2%	27	27	0	0.6%
81.5%	27	27	0	0.5%
82.7%	27	27	0	0.5%
84.0%	27	27	0	0.5%
85.2%	27	27	0	1.1%
86.4%	27	27	0	1.0%
87.7%	27	27	0	0.6%
88.9%	26	27	0	0.8%
90.1%	26	27	0	0.6%
91.4%	26	26	0	0.1%
92.6%	26	26	0	0.1%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

Table SW-56-7b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-4.8%
3.7%	32	32	0	1.3%
4.9%	31	31	0	0.2%
6.2%	31	31	0	0.1%
7.4%	31	31	0	1.1%
8.6%	31	31	0	0.6%
9.9%	31	31	0	1.0%
11.1%	31	31	0	1.3%
12.3%	30	31	0	1.5%
13.6%	30	31	0	1.0%
14.8%	30	31	0	1.1%
16.0%	30	30	0	0.7%
17.3%	30	30	1	1.9%
18.5%	30	30	1	1.7%
19.8%	30	30	0	1.6%
21.0%	30	30	0	1.5%
22.2%	29	30	1	2.1%
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	2.5%
28.4%	29	30	1	2.8%
29.6%	29	30	1	2.8%
30.9%	29	29	1	2.6%
32.1%	29	29	1	2.8%
33.3%	29	29	1	2.4%
34.6%	29	29	1	2.3%
35.8%	29	29	1	2.2%
37.0%	29	29	1	1.8%
38.3%	29	29	0	1.6%
39.5%	28	29	1	1.8%
40.7%	28	29	1	1.8%
42.0%	28	29	1	1.8%
43.2%	28	29	0	1.8%
44.4%	28	29	0	1.6%
45.7%	28	29	0	1.7%
46.9%	28	29	0	1.6%
48.1%	28	29	0	1.3%
49.4%	28	29	0	1.2%
50.6%	28	29	0	1.2%
51.9%	28	29	0	1.2%
53.1%	28	29	0	1.2%
54.3%	28	29	0	1.0%
55.6%	28	29	0	1.0%
56.8%	28	29	0	1.1%
58.0%	28	29	0	1.1%
59.3%	28	29	0	1.1%
60.5%	28	29	0	1.1%
61.7%	28	28	0	1.0%
63.0%	28	28	0	0.9%
64.2%	28	28	0	0.8%
65.4%	28	28	0	0.7%
66.7%	28	28	0	0.6%
67.9%	28	28	0	0.6%
69.1%	28	28	0	0.6%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.6%
72.8%	28	28	0	1.6%
74.1%	28	28	0	1.6%
75.3%	28	28	0	1.6%
76.5%	28	28	0	1.7%
77.8%	28	28	0	1.8%
79.0%	28	28	1	2.0%
80.2%	28	28	1	2.1%
81.5%	28	28	1	2.2%
82.7%	28	28	1	2.1%
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	4.0%
88.9%	27	28	1	3.8%
90.1%	27	28	1	3.8%
91.4%	27	28	1	3.5%
92.6%	27	28	1	3.6%
93.8%	26	27	1	3.0%
95.1%	26	27	1	2.2%
96.3%	26	27	1	2.5%
97.5%	26	27	1	2.8%
98.8%	26	27	1	2.3%
100.0%	26	26	0	0.5%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	7.5%
3.7%	32	35	2	7.4%
4.9%	32	35	3	8.0%
6.2%	32	35	3	8.1%
7.4%	32	35	3	8.5%
8.6%	32	34	2	7.8%
9.9%	32	34	3	7.9%
11.1%	32	34	2	7.8%
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	6.8%
17.3%	32	34	2	6.9%
18.5%	32	34	2	6.6%
19.8%	31	33	2	6.5%
21.0%	31	33	2	6.3%
22.2%	31	33	2	6.5%
23.5%	31	33	2	6.6%
24.7%	31	33	2	6.5%
25.9%	31	33	2	5.7%
27.2%	31	33	2	5.3%
28.4%	31	33	2	5.5%
29.6%	31	33	2	5.3%
30.9%	31	32	1	4.7%
32.1%	31	32	2	5.1%
33.3%	31	32	1	4.7%
34.6%	31	32	1	4.6%
35.8%	31	32	1	4.5%
37.0%	31	32	1	4.5%
38.3%	31	32	1	4.8%
39.5%	31	32	1	4.5%
40.7%	31	32	1	4.6%
42.0%	31	32	1	4.8%
43.2%	31	32	1	4.9%
44.4%	30	32	2	5.4%
45.7%	30	32	2	5.9%
46.9%	30	32	2	6.5%
48.1%	30	32	2	6.5%
49.4%	30	32	2	6.4%
50.6%	30	32	2	6.0%
51.9%	30	32	2	6.0%
53.1%	30	32	2	6.0%
54.3%	30	31	2	5.6%
55.6%	30	31	2	5.2%
56.8%	30	31	2	5.8%
58.0%	29	31	2	5.3%
59.3%	29	31	2	6.3%
60.5%	29	31	2	6.3%
61.7%	29	31	2	6.1%
63.0%	29	31	2	6.3%
64.2%	29	31	2	6.3%
65.4%	29	31	2	6.1%
66.7%	29	31	2	6.1%
67.9%	29	30	1	5.2%
69.1%	29	30	2	5.2%
70.4%	29	30	1	5.1%
71.6%	29	30	1	5.2%
72.8%	29	30	2	5.3%
74.1%	29	30	1	5.2%
75.3%	28	30	2	5.7%
76.5%	28	30	2	6.2%
77.8%	28	30	2	6.1%
79.0%	28	30	2	5.4%
80.2%	28	30	2	5.4%
81.5%	28	30	2	5.5%
82.7%	28	30	1	4.7%
84.0%	28	30	1	4.7%
85.2%	28	29	1	4.2%
86.4%	28	29	1	3.9%
87.7%	28	29	1	2.9%
88.9%	28	29	1	2.9%
90.1%	28	29	1	2.7%
91.4%	28	29	1	3.1%
92.6%	28	29	1	3.2%
93.8%	27	29	1	5.2%
95.1%	27	28	1	4.1%
96.3%	27	28	1	3.9%
97.5%	27	28	1	3.5%
98.8%	27	28	1	4.3%
100.0%	26	27	0	1.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	35	2	7.2%
1.2%	33	34	1	3.4%
2.5%	32	33	1	2.7%
3.7%	32	33	1	2.7%
4.9%	32	33	1	3.4%
6.2%	32	33	1	3.4%
7.4%	32	33	1	3.9%
8.6%	32	33	1	4.2%
9.9%	32	33	1	3.4%
11.1%	31	33	1	3.9%
12.3%	31	32	1	4.3%
13.6%	30	32	1	4.6%
14.8%	30	32	1	4.8%
16.0%	30	32	2	5.0%
17.3%	30	32	2	5.2%
18.5%	30	32	2	5.3%
19.8%	30	31	1	4.9%
21.0%	30	31	1	5.0%
22.2%	30	31	1	4.1%
23.5%	30	31	1	3.8%
24.7%	30	31	1	3.5%
25.9%	30	31	1	3.7%
27.2%	30	31	1	3.8%
28.4%	30	31	1	3.9%
29.6%	29	31	1	4.2%
30.9%	29	31	1	4.2%
32.1%	29	31	1	4.4%
33.3%	29	31	1	4.4%
34.6%	29	30	1	4.5%
35.8%	29	30	1	4.9%
37.0%	29	30	1	5.1%
38.3%	29	30	1	5.1%
39.5%	29	30	1	5.0%
40.7%	29	30	1	5.2%
42.0%	29	30	1	5.1%
43.2%	29	30	1	5.0%
44.4%	28	30	2	5.6%
45.7%	28	30	2	5.5%
46.9%	28	30	2	5.4%
48.1%	28	30	2	5.5%
49.4%	28	30	1	5.2%
50.6%	28	30	1	5.2%
51.9%	28	30	1	5.0%
53.1%	28	30	1	5.0%
54.3%	28	30	1	5.1%
55.6%	28	30	1	4.9%
56.8%	28	29	1	4.8%
58.0%	28	29	1	4.3%
59.3%	28	29	1	4.3%
60.5%	28	29	1	4.1%
61.7%	28	29	1	4.1%
63.0%	28	29	1	3.8%
64.2%	28	29	1	3.7%
65.4%	28	29	1	3.5%
66.7%	28	29	1	3.1%
67.9%	28	29	1	2.9%
69.1%	28	29	1	2.7%
70.4%	28	29	1	2.7%
71.6%	28	29	1	2.4%
72.8%	28	29	1	2.3%
74.1%	28	29	1	2.0%
75.3%	28	29	1	1.8%
76.5%	28	29	0	1.7%
77.8%	28	28	0	1.6%
79.0%	28	28	0	1.2%
80.2%	28	28	0	1.3%
81.5%	28	28	1	1.9%
82.7%	28	28	1	2.7%
84.0%	27	28	1	2.5%
85.2%	27	28	1	2.5%
86.4%	27	28	1	2.5%
87.7%	27	28	1	2.4%
88.9%	27	28	1	2.4%
90.1%	27	28	1	2.8%
91.4%	27	28	1	4.0%
92.6%	27	28	1	4.8%
93.8%	27	28	1	4.9%
95.1%	27	28	1	4.9%
96.3%	26	28	2	7.4%
97.5%	26	28	2	5.8%
98.8%	26	27	1	5.6%
100.0%	26	27	1	5.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	5.2%
11.1%	36	38	2	5.5%
12.3%	36	38	2	5.8%
13.6%	36	37	1	1.8%
14.8%	36	37	1	1.8%
16.0%	36	37	1	1.8%
17.3%	36	36	1	1.6%
18.5%	35	36	1	2.9%
19.8%	35	36	1	2.1%
21.0%	35	36	1	2.4%
22.2%	35	36	1	2.4%
23.5%	35	36	1	2.9%
24.7%	35	36	1	2.7%
25.9%	34	36	1	3.9%
27.2%	34	36	1	3.9%
28.4%	34	35	2	5.4%
29.6%	33	34	0	0.6%
30.9%	33	34	1	1.8%
32.1%	33	33	0	1.5%
33.3%	33	33	0	1.5%
34.6%	32	33	1	1.8%
35.8%	32	33	1	2.9%
37.0%	32	32	1	2.1%
38.3%	32	32	0	1.2%
39.5%	31	32	1	2.5%
40.7%	31	32	1	3.0%
42.0%	30	31	1	3.8%
43.2%	30	31	1	3.5%
44.4%	30	31	1	4.0%
45.7%	30	31	1	4.6%
46.9%	30	31	1	3.4%
48.1%	29	31	1	3.8%
49.4%	29	31	1	3.8%
50.6%	29	30	1	4.0%
51.9%	29	30	1	4.1%
53.1%	29	30	1	4.1%
54.3%	29	30	1	4.2%
55.6%	29	30	1	3.9%
56.8%	29	30	1	4.2%
58.0%	29	30	1	4.1%
59.3%	29	30	1	3.8%
60.5%	29	30	1	3.7%
61.7%	29	30	1	3.8%
63.0%	29	30	1	3.8%
64.2%	29	30	1	3.9%
65.4%	29	29	1	3.4%
66.7%	28	29	1	3.3%
67.9%	28	29	1	3.4%
69.1%	28	29	1	3.6%
70.4%	28	29	1	3.7%
71.6%	28	29	1	3.2%
72.8%	28	29	1	3.3%
74.1%	28	29	1	3.3%
75.3%	28	29	1	3.2%
76.5%	28	29	1	3.2%
77.8%	28	29	1	3.2%
79.0%	28	29	1	4.3%
80.2%	28	29	1	4.7%
81.5%	28	29	1	4.8%
82.7%	27	29	1	4.9%
84.0%	27	29	1	4.5%
85.2%	27	29	1	4.6%
86.4%	27	28	1	4.3%
87.7%	27	28	1	4.5%
88.9%	27	28	1	5.4%
90.1%	27	28	1	4.9%
91.4%	27	28	1	4.8%
92.6%	27	28	1	5.4%
93.8%	27	28	1	5.5%
95.1%	26	28	2	7.5%
96.3%	26	28	2	7.1%
97.5%	26	28	2	6.4%
98.8%	26	28	2	8.2%
100.0%	26	27	2	7.3%

Table SW-57-7a
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 C	74	74	74	75	75	76	74	74	75	77	76	76
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.2%	0.0%	-0.2%	0.0%	0.1%	0.0%	0.0%	-0.1%	0.2%	0.0%	0.1%	0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative C	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%	-0.1%	-0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.2%	0.0%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative C	75	74	74	74	76	77	74	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.6%	-0.1%	0.2%	0.2%	0.0%	0.1%	0.5%	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 C	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	-0.2%	0.0%	0.4%	-0.2%	0.4%	0.0%	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 C	74	73	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	-0.5%	0.0%	-0.3%	-0.1%	-0.1%	-0.2%	0.0%	-0.4%	-0.2%	0.0%	0.5%	0.7%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative C	73	73	73	73	73	74	73	73	74	76	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	0.0%	-0.1%	0.2%	-0.1%	0.2%	-0.3%	-0.1%	0.0%	0.1%	-0.1%	0.1%

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

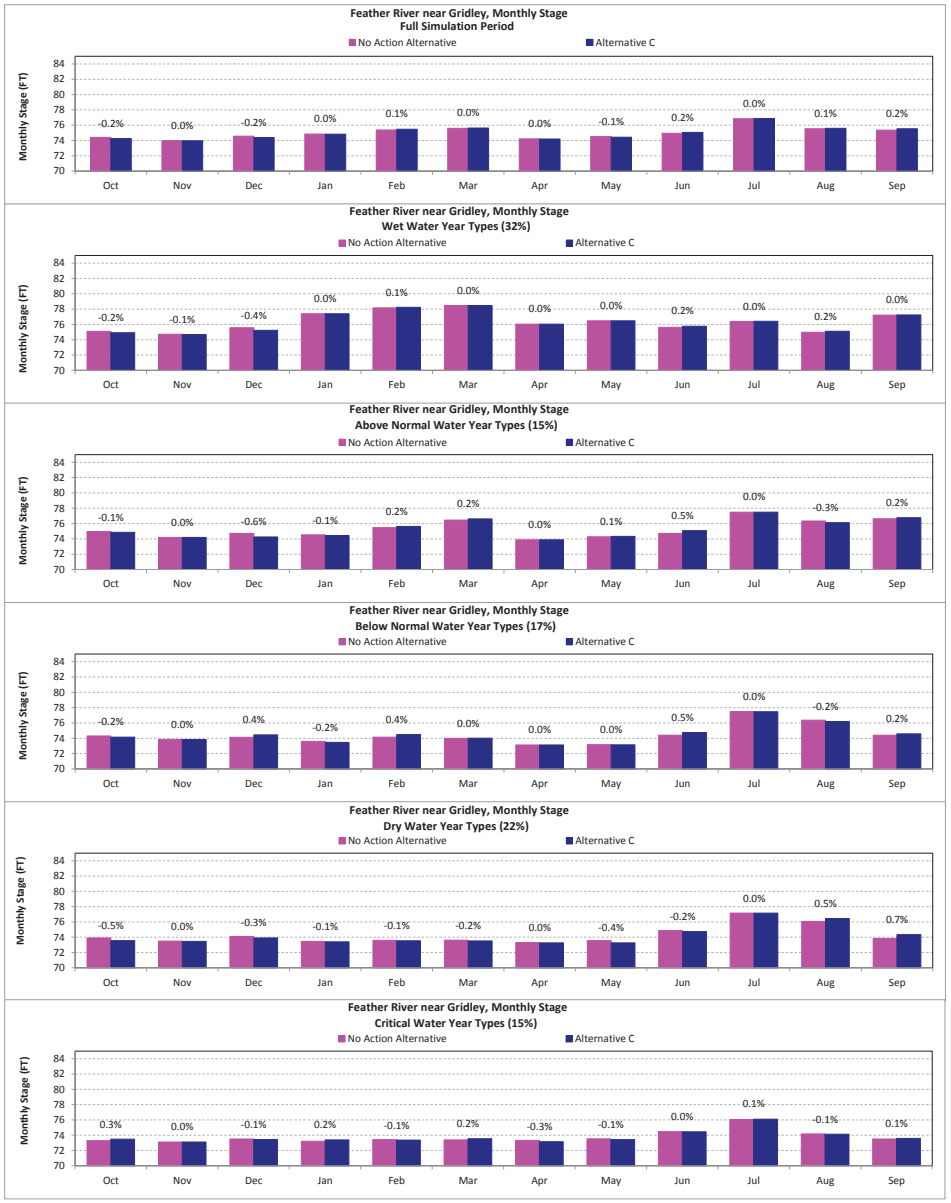

Figure SW-57-7b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

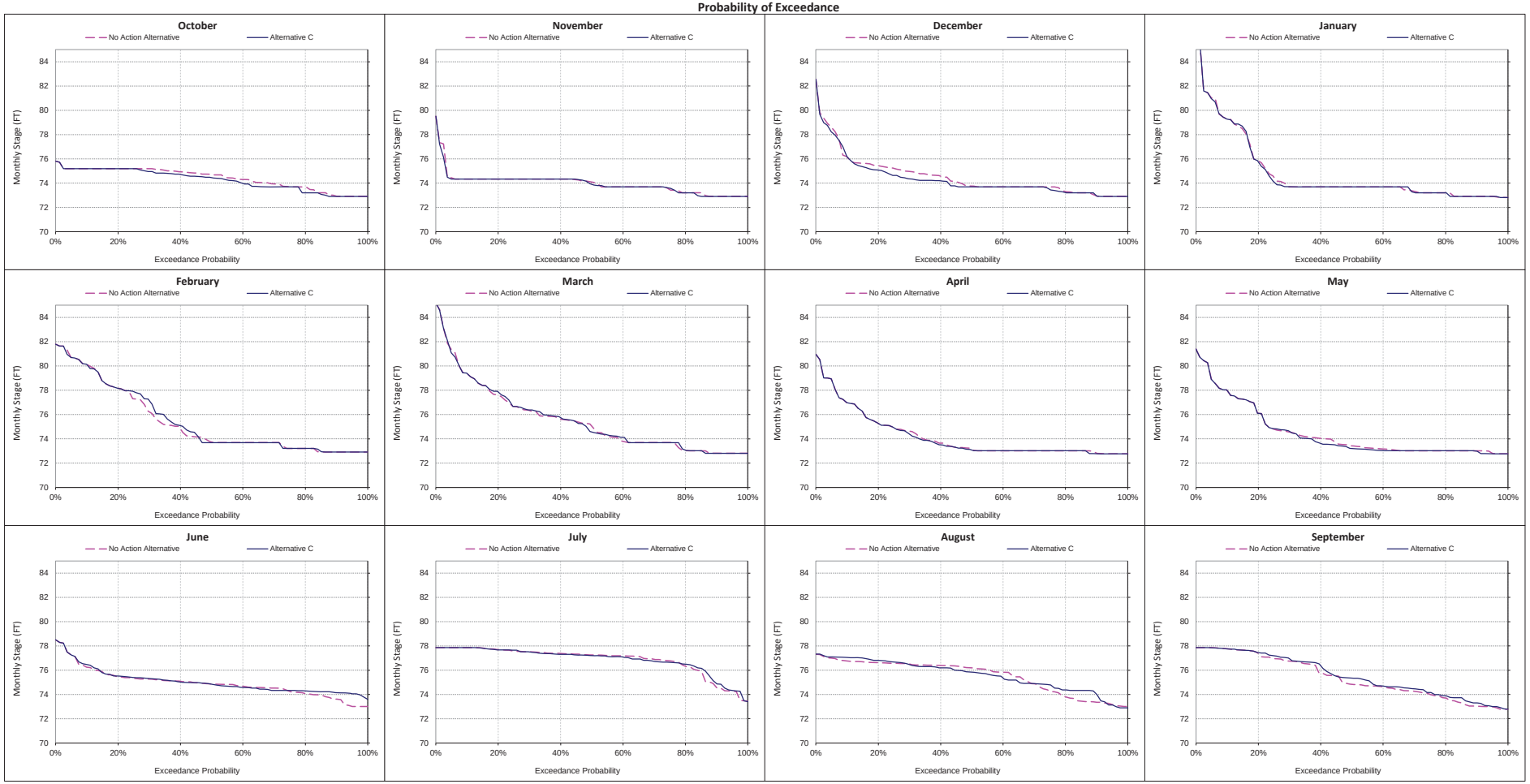

Table SW-57-7b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.0%
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	-0.4%
33.3%	75	75	0	-0.4%
34.6%	75	75	0	-0.4%
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	-0.3%
40.7%	75	75	0	-0.3%
42.0%	75	75	0	-0.4%
43.2%	75	75	0	-0.4%
44.4%	75	75	0	-0.4%
45.7%	75	75	0	-0.4%
46.9%	75	75	0	-0.3%
48.1%	75	74	0	-0.3%
49.4%	75	74	0	-0.3%
50.6%	75	74	0	-0.3%
51.9%	75	74	0	-0.4%
53.1%	75	74	0	-0.4%
54.3%	74	74	0	-0.2%
55.6%	74	74	0	-0.3%
56.8%	74	74	0	-0.3%
58.0%	74	74	0	-0.2%
59.3%	74	74	0	-0.4%
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	74	0	0.0%
79.0%	74	73	0	-0.7%
80.2%	74	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	-0.2%
86.4%	73	73	0	-0.3%
87.7%	73	73	0	-0.2%
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 C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	76	-1	-1.4%
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	0.0%
46.9%	74	74	0	0.1%
48.1%	74	74	0	0.0%
49.4%	74	74	0	-0.2%
50.6%	74	74	0	-0.3%
51.9%	74	74	0	-0.2%
53.1%	74	74	0	0.1%
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	74	0	0.0%
75.3%	73	74	0	0.2%
76.5%	73	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	-0.3%
85.2%	73	73	0	-0.4%
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 C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	-0.2%
2.5%	79	79	0	-0.5%
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	0.9%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.1%
12.3%	76	76	0	-0.1%
13.6%	76	75	0	-0.3%
14.8%	76	75	0	-0.4%
16.0%	76	75	0	-0.5%
17.3%	76	75	0	-0.5%
18.5%	75	75	0	-0.5%
19.8%	75	75	0	-0.5%
21.0%	75	75	0	-0.4%
22.2%	75	75	0	-0.6%
23.5%	75	75	0	-0.7%
24.7%	75	75	-1	-0.8%
25.9%	75	75	-1	-0.7%
27.2%	75	74	-1	-0.8%
28.4%	75	74	-1	-0.7%
29.6%	75	74	-1	-0.8%
30.9%	75	74	-1	-0.8%
32.1%	75	74	-1	-0.8%
33.3%	75	74	-1	-0.7%
34.6%	75	74	-1	-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	0	-0.4%
42.0%	74	74	0	-0.5%
43.2%	74	74	0	-0.5%
44.4%	74	74	0	-0.5%
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	74	0	-0.1%
75.3%	74	73	0	-0.3%
76.5%	74	73	0	-0.4%
77.8%	74	73	0	-0.4%
79.0%	73	73	0	-0.1%
80.2%	73	73	0	-0.1%
81.5%	73	73	0	-0.1%
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	0.0%
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%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-0.1%
6.2%	81	81	0	-0.3%
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	0.2%
14.8%	78	79	0	0.3%
16.0%	78	78	0	0.3%
17.3%	77	77	0	-0.3%
18.5%	76	76	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	75	0	-0.4%
22.2%	75	75	0	-0.1%
23.5%	75	75	0	-0.3%
24.7%	75	74	0	-0.6%
25.9%	74	74	0	-0.4%
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	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
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%	73	74	0	0.3%
67.9%	73	74	0	0.3%
69.1%	73	73	0	-0.1%
70.4%	73	73	0	-0.1%
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	-0.4%
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	0.0%
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	0.1%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-7b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0	-0.4%
4.9%	81	81	0	0.0%
6.2%	81	81	0	0.0%
7.4%	81	81	0	0.0%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	-0.2%
12.3%	80	80	0	0.0%
13.6%	80	80	0	0.0%
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	0.1%
24.7%	77	78	1	0.8%
25.9%	77	78	1	0.7%
27.2%	77	78	0	0.6%
28.4%	77	77	0	0.6%
29.6%	76	77	1	1.3%
30.9%	76	77	1	1.0%
32.1%	76	76	0	0.6%
33.3%	75	76	1	0.9%
34.6%	75	76	1	1.1%
35.8%	75	76	1	0.7%
37.0%	75	75	0	0.4%
38.3%	75	75	0	0.2%
39.5%	75	75	0	0.1%
40.7%	75	75	1	0.7%
42.0%	74	75	0	0.6%
43.2%	74	75	0	0.5%
44.4%	74	75	0	0.5%
45.7%	74	74	0	0.0%
46.9%	74	74	0	-0.6%
48.1%	74	74	0	-0.4%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
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 C 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	0	0.3%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	-0.4%
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	0.2%
18.5%	78	78	0	0.3%
19.8%	78	78	0	0.4%
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%	76	77	0	0.2%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.1%
32.1%	76	76	0	0.1%
33.3%	76	76	0	0.5%
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	0.0%
39.5%	76	76	0	0.3%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.1%
43.2%	75	76	0	0.1%
44.4%	75	75	0	0.0%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	-0.1%
48.1%	75	75	0	-0.3%
49.4%	75	75	-1	-0.8%
50.6%	75	75	0	-0.5%
51.9%	75	74	0	-0.1%
53.1%	75	74	0	-0.1%
54.3%	74	74	0	0.1%
55.6%	74	74	0	0.1%
56.8%	74	74	0	0.1%
58.0%	74	74	0	0.1%
59.3%	74	74	0	0.4%
60.5%	74	74	0	0.5%
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	74	0	0.6%
79.0%	73	73	0	0.2%
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	-0.3%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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%	75	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	74	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	0.0%
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	0.0%
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	0.0%
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	-0.3%
88.9%	73	73	0	-0.2%
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%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.0%
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	-0.2%
37.0%	74	74	0	-0.2%
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	-0.6%
44.4%	74	74	0	-0.3%
45.7%	74	73	0	-0.2%
46.9%	74	73	0	-0.2%
48.1%	74	73	0	-0.2%
49.4%	73	73	0	-0.3%
50.6%	73	73	0	-0.3%
51.9%	73	73	0	-0.3%
53.1%	73	73	0	-0.3%
54.3%	73	73	0	-0.2%
55.6%	73	73	0	-0.2%
56.8%	73	73	0	-0.2%
58.0%	73	73	0	-0.2%
59.3%	73	73	0	-0.2%
60.5%	73	73	0	-0.2%
61.7%	73	73	0	-0.2%
63.0%	73	73	0	-0.1%
64.2%	73	73	0	-0.1%
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	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	-0.3%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.3%
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%

Table SW-57-7b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.3%
8.6%	76	77	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	0.2%
14.8%	76	76	0	-0.1%
16.0%	76	76	0	0.1%
17.3%	76	76	0	0.0%
18.5%	76	76	0	-0.1%
19.8%	75	76	0	0.1%
21.0%	75	76	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	0.0%
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	-0.1%
53.1%	75	75	0	-0.1%
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	-0.1%
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	75	0	-0.1%
65.4%	75	74	0	-0.2%
66.7%	75	74	0	-0.1%
67.9%	75	74	0	-0.2%
69.1%	75	74	0	-0.3%
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	0.4%
84.0%	74	74	0	0.3%
85.2%	74	74	0	0.4%
86.4%	74	74	0	0.6%
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	0.8%
92.6%	73	74	1	1.3%
93.8%	73	74	1	1.4%
95.1%	73	74	1	1.4%
96.3%	73	74	1	1.4%
97.5%	73	74	1	1.3%
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 C 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	0.0%
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	0.1%
25.9%	78	78	0	0.1%
27.2%	78	78	0	0.0%
28.4%	78	78	0	0.0%
29.6%	78	78	0	0.0%
30.9%	78	77	0	0.0%
32.1%	77	77	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	0.0%
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	-0.1%
45.7%	77	77	0	-0.1%
46.9%	77	77	0	-0.1%
48.1%	77	77	0	0.0%
49.4%	77	77	0	-0.1%
50.6%	77	77	0	-0.1%
51.9%	77	77	0	-0.1%
53.1%	77	77	0	-0.1%
54.3%	77	77	0	0.0%
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	-0.2%
61.7%	77	77	0	-0.2%
63.0%	77	77	0	-0.3%
64.2%	77	77	0	-0.3%
65.4%	77	77	0	-0.3%
66.7%	77	77	0	-0.2%
67.9%	77	77	0	-0.2%
69.1%	77	77	0	-0.2%
70.4%	77	77	0	-0.2%
71.6%	77	77	0	-0.2%
72.8%	77	77	0	-0.2%
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	0.2%
81.5%	76	76	0	0.2%
82.7%	76	76	0	0.4%
84.0%	76	76	0	0.3%
85.2%	76	76	0	0.3%
86.4%	75	76	1	1.2%
87.7%	75	76	1	0.7%
88.9%	75	75	0	0.3%
90.1%	75	75	0	0.5%
91.4%	75	75	0	0.5%
92.6%	74	75	0	0.3%
93.8%	74	74	0	0.1%
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	0.0%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.1%
3.7%	77	77	0	0.1%
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	0.4%
11.1%	77	77	0	0.4%
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	0.4%
17.3%	77	77	0	0.3%
18.5%	77	77	0	0.2%
19.8%	77	77	0	0.2%
21.0%	77	77	0	0.2%
22.2%	77	77	0	0.2%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.1%
25.9%	77	77	0	0.1%
27.2%	77	77	0	0.1%
28.4%	77	77	0	0.0%
29.6%	77	76	0	0.0%
30.9%	76	76	0	-0.1%
32.1%	76	76	0	-0.1%
33.3%	76	76	0	-0.2%
34.6%	76	76	0	-0.2%
35.8%	76	76	0	-0.2%
37.0%	76	76	0	-0.2%
38.3%	76	76	0	-0.2%
39.5%	76	76	0	-0.3%
40.7%	76	76	0	-0.2%
42.0%	76	76	0	-0.3%
43.2%	76	76	0	-0.2%
44.4%	76	76	0	-0.5%
45.7%	76	76	0	-0.5%
46.9%	76	76	0	-0.4%
48.1%	76	76	0	-0.5%
49.4%	76	76	0	-0.5%
50.6%	76	76	0	-0.5%
51.9%	76	76	0	-0.4%
53.1%	76	76	0	-0.5%
54.3%	76	76	0	-0.5%
55.6%	76	76	0	-0.5%
56.8%	76	76	0	-0.4%
58.0%	76	76	0	-0.4%
59.3%	76	76	0	-0.4%
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	-0.4%
65.4%	75	75	-1	-0.7%
66.7%	75	75	0	-0.4%
67.9%	75	75	0	-0.2%
69.1%	75	75	0	0.0%
70.4%	75	75	0	0.0%
71.6%	75	75	0	0.3%
72.8%	74	75	0	0.5%
74.1%	74	75	0	0.6%
75.3%	74	75	1	0.7%
76.5%	74	75	0	0.4%
77.8%	74	74	0	0.5%
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	1.2%
88.9%	73	74	1	1.2%
90.1%	73	74	1	0.9%
91.4%	73	73	0	0.2%
92.6%	73	73	0	0.1%
93.8%	73	73	0	-0.2%
95.1%	73	73	0	-0.1%
96.3%	73	73	0	-0.1%
97.5%	73	73	0	-0.2%
98.8%	73	73	0	-0.2%
100.0%	73	73	0	-0.2%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.1%
13.6%	78	78	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	0.0%
19.8%	77	77	0	0.0%
21.0%	77	77	0	0.4%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.3%
25.9%	77	77	0	0.3%
27.2%	77	77	0	0.2%
28.4%	77	77	0	0.3%
29.6%	77	77	0	0.3%
30.9%	77	77	0	0.0%
32.1%	77	77	0	0.0%
33.3%	77	77	0	0.1%
34.6%	77	77	0	0.2%
35.8%	77	77	0	0.2%
37.0%	76	77	0	0.2%
38.3%	76	77	0	0.3%
39.5%	76	77	1	1.0%
40.7%	76	76	0	0.5%
42.0%	76	76	0	0.4%
43.2%	76	76	0	0.2%
44.4%	76	76	0	0.0%
45.7%	76	75	0	-0.1%
46.9%	75	75	0	0.5%
48.1%	75	75	0	0.6%
49.4%	75	75	1	0.7%
50.6%	75	75	1	0.7%
51.9%	75	75	1	0.7%
53.1%	75	75	0	0.7%
54.3%	75	75	0	0.6%
55.6%	75	75	0	0.5%
56.8%	75	75	0	0.2%
58.0%	75	75	0	0.0%
59.3%	75	75	0	0.1%
60.5%	75	75	0	0.1%
61.7%	75	75	0	0.1%
63.0%	75	75	0	0.2%
64.2%	74	75	0	0.3%
65.4%	74	75	0	0.3%
66.7%	74	75	0	0.3%
67.9%	74	75	0	0.3%
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	0.3%
74.1%	74	74	0	0.1%
75.3%	74	74	0	0.2%
76.5%	74	74	0	0.1%
77.8%	74	74	0	0.1%
79.0%	74	74	0	0.2%
80.2%	74	74	0	0.3%
81.5%	73	74	0	0.4%
82.7%	73	74	0	0.4%
84.0%	73	74	0	0.5%
85.2%	73	74	0	0.6%
86.4%	73	73	0	0.5%
87.7%	73	73	0	0.5%
88.9%	73	73	0	0.4%
90.1%	73	73	0	0.4%
91.4%	73	73	0	0.3%
92.6%	73	73	0	0.1%
93.8%	73	73	0	0.1%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.2%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-58-7a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative C	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[3]	1.7%	1.0%	0.9%	0.3%	0.0%	0.4%	0.7%	0.4%	-0.9%	-3.2%	0.7%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative C	5	6	6	9	9	7	7	7	7	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	4.3%	1.6%	0.2%	0.3%	-0.1%	0.0%	0.0%	0.0%	0.1%	-3.5%	2.3%	-3.0%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative C	5	6	6	6	7	7	6	6	6	7	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	1.3%	1.6%	2.2%	-0.1%	0.2%	-0.1%	0.0%	-0.9%	-2.1%	0.0%	-1.8%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative C	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	0.2%	1.4%	0.7%	0.6%	-1.0%	-0.2%	1.8%	1.2%	-0.5%	-7.9%	-0.5%	8.9%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative C	5	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	2.3%	0.1%	2.0%	-2.3%	1.1%	1.1%	0.1%	0.9%	-2.0%	-1.6%	-2.5%	0.7%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative C	4	4	4	4	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-2.0%	-0.2%	0.0%	1.2%	0.2%	1.9%	3.7%	0.7%	-3.5%	1.9%	4.4%	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

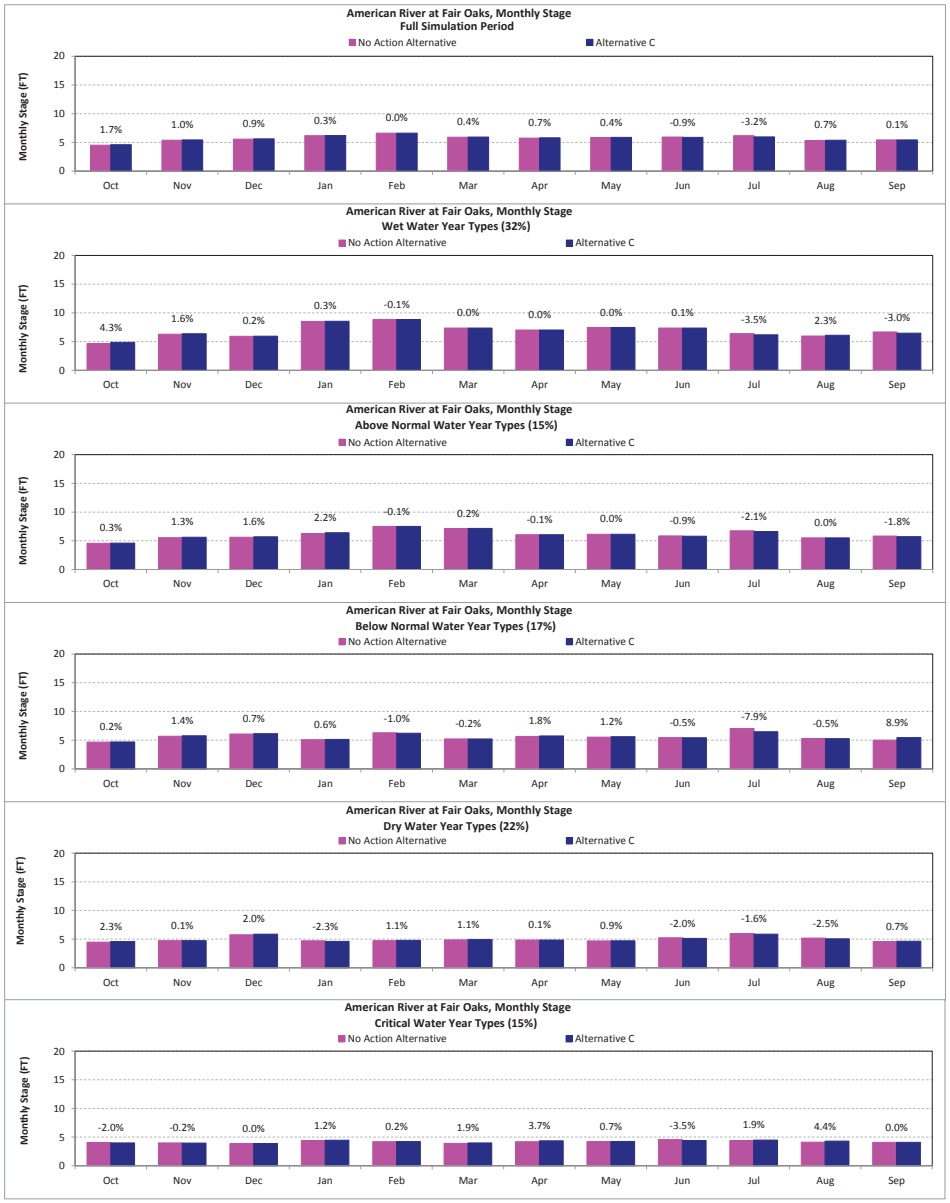

Figure SW-58-7b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

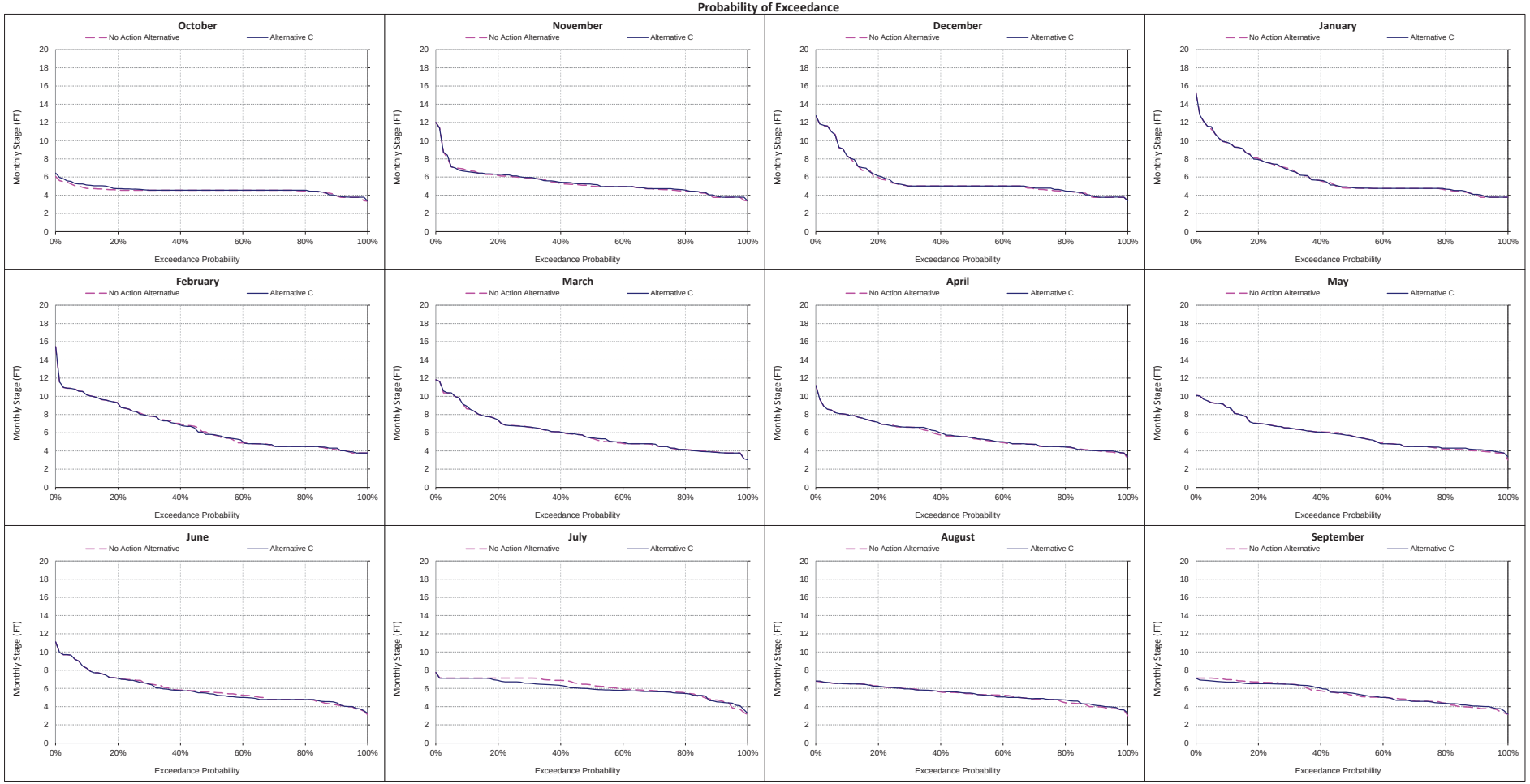

Table SW-58-7b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	6.1%
1.2%	6	6	0	6.3%
2.5%	5	6	0	5.8%
3.7%	5	6	0	2.7%
4.9%	5	6	0	5.6%
6.2%	5	5	0	4.7%
7.4%	5	5	0	4.6%
8.6%	5	5	0	7.4%
9.9%	5	5	0	7.6%
11.1%	5	5	0	7.9%
12.3%	5	5	0	6.9%
13.6%	5	5	0	7.3%
14.8%	5	5	0	7.5%
16.0%	5	5	0	8.1%
17.3%	5	5	0	6.2%
18.5%	5	5	0	2.7%
19.8%	5	5	0	3.3%
21.0%	5	5	0	3.7%
22.2%	5	5	0	3.2%
23.5%	5	5	0	3.2%
24.7%	5	5	0	2.7%
25.9%	5	5	0	2.5%
27.2%	5	5	0	1.9%
28.4%	5	5	0	1.3%
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	5	0	2.0%
81.5%	4	4	0	0.2%
82.7%	4	4	0	0.3%
84.0%	4	4	0	1.5%
85.2%	4	4	0	0.2%
86.4%	4	4	0	1.8%
87.7%	4	4	0	-4.6%
88.9%	4	4	0	-2.7%
90.1%	4	4	0	0.0%
91.4%	4	4	0	2.6%
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	4	0	10.7%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	3.4%
4.9%	7	7	0	0.0%
6.2%	7	7	0	-0.3%
7.4%	7	7	0	-2.9%
8.6%	7	7	0	-3.6%
9.9%	7	7	0	-2.3%
11.1%	7	7	0	-1.6%
12.3%	7	6	0	-2.3%
13.6%	6	6	0	0.0%
14.8%	6	6	0	1.0%
16.0%	6	6	0	1.0%
17.3%	6	6	0	0.8%
18.5%	6	6	0	1.3%
19.8%	6	6	0	1.7%
21.0%	6	6	0	3.0%
22.2%	6	6	0	2.3%
23.5%	6	6	0	2.4%
24.7%	6	6	0	1.4%
25.9%	6	6	0	2.1%
27.2%	6	6	0	0.8%
28.4%	6	6	0	0.4%
29.6%	6	6	0	1.8%
30.9%	6	6	0	1.7%
32.1%	6	6	0	0.4%
33.3%	6	6	0	-0.9%
34.6%	6	6	0	-2.3%
35.8%	6	6	0	0.2%
37.0%	5	6	0	2.0%
38.3%	5	6	0	1.4%
39.5%	5	5	0	2.3%
40.7%	5	5	0	3.5%
42.0%	5	5	0	3.4%
43.2%	5	5	0	3.5%
44.4%	5	5	0	1.8%
45.7%	5	5	0	2.3%
46.9%	5	5	0	3.0%
48.1%	5	5	0	2.6%
49.4%	5	5	0	4.5%
50.6%	5	5	0	4.3%
51.9%	5	5	0	3.9%
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	0.4%
65.4%	5	5	0	0.7%
66.7%	5	5	0	1.8%
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	2.3%
77.8%	4	5	0	2.9%
79.0%	4	5	0	2.9%
80.2%	4	5	0	2.1%
81.5%	4	4	0	0.2%
82.7%	4	4	0	0.2%
84.0%	4	4	0	1.5%
85.2%	4	4	0	1.8%
86.4%	4	4	0	1.2%
87.7%	4	4	0	1.0%
88.9%	4	4	0	7.0%
90.1%	4	4	0	2.6%
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	4	0	9.3%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.4%
1.2%	12	12	0	0.0%
2.5%	12	12	0	0.7%
3.7%	12	12	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-0.7%
7.4%	9	9	0	0.6%
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	4.8%
13.6%	7	7	0	-0.2%
14.8%	7	7	0	4.6%
16.0%	7	7	0	3.6%
17.3%	7	7	0	-2.0%
18.5%	6	6	0	5.0%
19.8%	6	6	0	2.0%
21.0%	6	6	0	5.1%
22.2%	6	6	0	2.6%
23.5%	5	6	0	6.3%
24.7%	5	5	0	1.3%
25.9%	5	5	0	0.4%
27.2%	5	5	0	1.2%
28.4%	5	5	0	0.5%
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	1.9%
67.9%	5	5	0	2.6%
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	3.5%
77.8%	4	5	0	3.4%
79.0%	4	5	0	2.2%
80.2%	4	4	0	0.2%
81.5%	4	4	0	0.2%
82.7%	4	4	0	1.5%
84.0%	4	4	0	1.8%
85.2%	4	4	0	1.2%
86.4%	4	4	0	-4.4%
87.7%	4	4	0	4.1%
88.9%	4	4	0	2.6%
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%	4	4	0	0.0%
100.0%	3	3	0	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.0%
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	0.4%
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	8	0	-0.7%
18.5%	8	8	0	-1.5%
19.8%	8	8	0	-1.6%
21.0%	8	8	0	0.0%
22.2%	8	8	0	0.1%
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	-1.6%
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	0.5%
35.8%	6	6	0	0.4%
37.0%	6	6	0	-0.9%
38.3%	6	6	0	-0.5%
39.5%	6	6	0	0.0%
40.7%	5	6	0	2.2%
42.0%	5	5	0	-0.4%
43.2%	5	5	0	-4.5%
44.4%	5	5	0	0.7%
45.7%	5	5	0	3.2%
46.9%	5	5	0	2.4%
48.1%	5	5	0	2.5%
49.4%	5	5	0	1.7%
50.6%	5	5	0	0.3%
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	1.0%
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%	5	5	0	0.0%
79.0%	5	5	0	1.9%
80.2%	5	5	0	1.6%
81.5%	5	5	0	2.5%
82.7%	4	5	0	2.2%
84.0%	4	5	0	2.3%
85.2%	4	5	0	3.0%
86.4%	4	4	0	2.2%
87.7%	4	4	0	-0.6%
88.9%	4	4	0	-0.3%
90.1%	4	4	0	2.7%
91.4%	4	4	0	7.0%
92.6%	4	4	0	2.2%
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%	4	4	0	0.0%

Table SW-58-7b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.0%
22.2%	9	9	0	0.0%
23.5%	9	9	0	-0.3%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	-1.5%
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	-0.5%
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	-1.6%
42.0%	7	7	0	-1.4%
43.2%	7	7	0	-1.0%
44.4%	7	7	0	-2.4%
45.7%	7	6	0	-7.0%
46.9%	6	6	0	-0.9%
48.1%	6	6	0	-4.3%
49.4%	6	6	0	0.1%
50.6%	6	6	0	0.4%
51.9%	6	6	0	0.6%
53.1%	5	6	0	2.9%
54.3%	5	5	0	0.8%
55.6%	5	5	0	0.0%
56.8%	5	5	0	2.6%
58.0%	5	5	0	8.2%
59.3%	5	5	0	7.0%
60.5%	5	5	0	-0.7%
61.7%	5	5	0	-1.3%
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	-1.0%
67.9%	5	5	0	-0.6%
69.1%	5	5	0	2.8%
70.4%	4	4	0	0.0%
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	0.4%
86.4%	4	4	0	2.3%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	4.6%
91.4%	4	4	0	-0.4%
92.6%	4	4	0	-0.6%
93.8%	4	4	0	-0.3%
95.1%	4	4	0	3.4%
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 C 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	2.0%
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%	9	9	0	3.4%
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	0.0%
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	-0.5%
25.9%	7	7	0	-0.4%
27.2%	7	7	0	-0.4%
28.4%	7	7	0	-0.4%
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	0.7%
43.2%	6	6	0	0.0%
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	0.3%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.7%
53.1%	5	5	0	4.9%
54.3%	5	5	0	6.1%
55.6%	5	5	0	1.5%
56.8%	5	5	0	0.6%
58.0%	5	5	0	2.2%
59.3%	5	5	0	2.1%
60.5%	5	5	0	2.3%
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	0.2%
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	-0.6%
75.3%	4	4	0	0.0%
76.5%	4	4	0	2.3%
77.8%	4	4	0	-0.4%
79.0%	4	4	0	0.2%
80.2%	4	4	0	0.3%
81.5%	4	4	0	-1.1%
82.7%	4	4	0	-0.6%
84.0%	4	4	0	-0.7%
85.2%	4	4	0	-1.6%
86.4%	4	4	0	-1.1%
87.7%	4	4	0	-0.3%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	-1.0%
91.4%	4	4	0	-0.6%
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 C 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	-0.4%
23.5%	7	7	0	-1.1%
24.7%	7	7	0	-1.4%
25.9%	7	7	0	1.3%
27.2%	7	7	0	0.0%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.2%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.2%
33.3%	6	7	0	2.0%
34.6%	6	7	0	4.3%
35.8%	6	6	0	3.6%
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	1.8%
44.4%	6	6	0	0.5%
45.7%	6	6	0	0.9%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	2.2%
51.9%	5	5	0	0.3%
53.1%	5	5	0	1.5%
54.3%	5	5	0	1.3%
55.6%	5	5	0	2.1%
56.8%	5	5	0	0.9%
58.0%	5	5	0	-0.1%
59.3%	5	5	0	1.7%
60.5%	5	5	0	2.1%
61.7%	5	5	0	3.2%
63.0%	5	5	0	0.3%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.4%
67.9%	5	5	0	-0.4%
69.1%	5	5	0	-0.1%
70.4%	5	5	0	0.9%
71.6%	4	5	0	1.4%
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	0.2%
80.2%	4	4	0	-0.1%
81.5%	4	4	0	1.3%
82.7%	4	4	0	0.0%
84.0%	4	4	0	-1.2%
85.2%	4	4	0	-1.0%
86.4%	4	4	0	-1.2%
87.7%	4	4	0	-1.3%
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	1.9%
93.8%	4	4	0	2.7%
95.1%	4	4	0	2.8%
96.3%	4	4	0	3.9%
97.5%	4	4	0	1.5%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	10	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	-0.2%
28.4%	7	7	0	-0.4%
29.6%	7	7	0	0.0%
30.9%	6	6	0	0.1%
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	-0.5%
39.5%	6	6	0	-0.5%
40.7%	6	6	0	-0.3%
42.0%	6	6	0	-0.9%
43.2%	6	6	0	-1.4%
44.4%	6	6	0	-2.0%
45.7%	6	6	0	-2.4%
46.9%	6	6	0	0.4%
48.1%	6	6	0	0.0%
49.4%	6	6	0	0.0%
50.6%	6	6	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	-0.1%
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	-2.8%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	-0.7%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.3%
67.9%	4	4	0	0.0%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.7%
75.3%	4	4	0	-0.1%
76.5%	4	4	0	2.1%
77.8%	4	4	0	1.9%
79.0%	4	4	0	2.3%
80.2%	4	4	0	2.4%
81.5%	4	4	0	2.9%
82.7%	4	4	0	2.8%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.8%
86.4%	4	4	0	4.2%
87.7%	4	4	0	3.7%
88.9%	4	4	0	3.6%
90.1%	4	4	0	3.0%
91.4%	4	4	0	4.3%
92.6%	4	4	0	3.7%
93.8%	4	4	0	3.5%
95.1%	4	4	0	3.0%
96.3%	4	4	0	3.9%
97.5%	4	4	0	2.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	12.2%

Table SW-58-7b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	-0.4%
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	-1.6%
27.2%	7	7	0	-3.3%
28.4%	7	7	0	0.2%
29.6%	6	7	0	0.6%
30.9%	6	6	0	-1.2%
32.1%	6	6	0	-4.8%
33.3%	6	6	0	-5.5%
34.6%	6	6	0	-2.9%
35.8%	6	6	0	-2.5%
37.0%	6	6	0	-1.9%
38.3%	6	6	0	-0.7%
39.5%	6	6	0	-0.6%
40.7%	6	6	0	-1.2%
42.0%	6	6	0	-1.0%
43.2%	6	6	0	-0.7%
44.4%	6	6	0	-2.0%
45.7%	6	6	0	-2.7%
46.9%	6	6	0	-2.1%
48.1%	6	5	0	-2.4%
49.4%	6	5	0	-3.6%
50.6%	6	5	0	-3.5%
51.9%	6	5	0	-5.4%
53.1%	6	5	0	-5.5%
54.3%	5	5	0	-5.0%
55.6%	5	5	0	-5.7%
56.8%	5	5	0	-5.7%
58.0%	5	5	0	-5.8%
59.3%	5	5	0	-5.0%
60.5%	5	5	0	-4.4%
61.7%	5	5	0	-4.5%
63.0%	5	5	0	-3.8%
64.2%	5	5	0	-3.9%
65.4%	5	5	0	-4.6%
66.7%	5	5	0	-4.0%
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%	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	2.9%
85.2%	5	5	0	2.0%
86.4%	4	5	0	4.4%
87.7%	4	5	0	5.3%
88.9%	4	5	0	6.3%
90.1%	4	4	0	5.4%
91.4%	4	4	0	1.0%
92.6%	4	4	0	-1.1%
93.8%	4	4	0	0.6%
95.1%	4	4	0	0.5%
96.3%	4	4	0	3.2%
97.5%	4	4	0	1.1%
98.8%	3	4	0	1.2%
100.0%	3	3	0	4.8%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C 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	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	-0.6%
18.5%	7	7	0	-2.8%
19.8%	7	7	0	-3.5%
21.0%	7	7	0	-5.0%
22.2%	7	7	0	-5.6%
23.5%	7	7	0	-5.7%
24.7%	7	7	0	-5.8%
25.9%	7	7	0	-6.0%
27.2%	7	7	0	-6.1%
28.4%	7	7	-1	-7.7%
29.6%	7	7	-1	-7.9%
30.9%	7	7	-1	-8.1%
32.1%	7	6	-1	-8.9%
33.3%	7	6	-1	-8.5%
34.6%	7	6	-1	-7.2%
35.8%	7	6	-1	-7.4%
37.0%	7	6	-1	-7.5%
38.3%	7	6	-1	-7.4%
39.5%	7	6	-1	-7.9%
40.7%	7	6	-1	-8.3%
42.0%	7	6	-1	-9.4%
43.2%	7	6	-1	-10.1%
44.4%	7	6	-1	-7.9%
45.7%	7	6	-1	-8.1%
46.9%	6	6	0	-7.0%
48.1%	6	6	0	-7.2%
49.4%	6	6	0	-7.3%
50.6%	6	6	0	-6.6%
51.9%	6	6	0	-5.9%
53.1%	6	6	0	-5.9%
54.3%	6	6	0	-6.2%
55.6%	6	6	0	-4.3%
56.8%	6	6	0	-4.5%
58.0%	6	6	0	-3.6%
59.3%	6	6	0	-3.0%
60.5%	6	6	0	-2.0%
61.7%	6	6	0	-2.7%
63.0%	6	6	0	-2.6%
64.2%	6	6	0	-2.2%
65.4%	6	6	0	-2.3%
66.7%	6	6	0	-2.3%
67.9%	6	6	0	-2.1%
69.1%	6	6	0	-2.1%
70.4%	6	6	0	-1.9%
71.6%	6	6	0	-1.6%
72.8%	6	6	0	-0.8%
74.1%	6	6	0	-0.9%
75.3%	6	6	0	-1.5%
76.5%	6	5	0	-2.1%
77.8%	6	5	0	-1.7%
79.0%	6	5	0	-1.6%
80.2%	5	5	0	-0.7%
81.5%	5	5	0	-1.1%
82.7%	5	5	0	-2.9%
84.0%	5	5	0	1.9%
85.2%	5	5	0	2.1%
86.4%	5	5	0	4.1%
87.7%	5	5	0	-4.0%
88.9%	5	5	0	-2.2%
90.1%	5	5	0	-4.5%
91.4%	5	5	0	-3.3%
92.6%	5	4	0	-2.0%
93.8%	4	4	0	-0.8%
95.1%	4	4	1	14.1%
96.3%	4	4	0	9.6%
97.5%	4	4	0	10.6%
98.8%	3	4	0	9.4%
100.0%	3	3	0	3.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	1.0%
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	-0.1%
9.9%	7	7	0	-0.1%
11.1%	7	6	0	-0.3%
12.3%	6	6	0	-0.1%
13.6%	6	6	0	0.0%
14.8%	6	6	0	-0.6%
16.0%	6	6	0	0.0%
17.3%	6	6	0	-0.6%
18.5%	6	6	0	-0.8%
19.8%	6	6	0	-0.7%
21.0%	6	6	0	0.8%
22.2%	6	6	0	0.2%
23.5%	6	6	0	0.3%
24.7%	6	6	0	-0.4%
25.9%	6	6	0	-0.9%
27.2%	6	6	0	0.6%
28.4%	6	6	0	-0.8%
29.6%	6	6	0	-0.5%
30.9%	6	6	0	-0.1%
32.1%	6	6	0	-1.5%
33.3%	6	6	0	0.6%
34.6%	6	6	0	1.0%
35.8%	6	6	0	1.0%
37.0%	6	6	0	1.6%
38.3%	6	6	0	0.9%
39.5%	6	6	0	1.2%
40.7%	6	6	0	2.3%
42.0%	6	6	0	1.2%
43.2%	6	6	0	1.0%
44.4%	6	6	0	1.1%
45.7%	6	6	0	0.5%
46.9%	5	6	0	0.5%
48.1%	5	5	0	1.1%
49.4%	5	5	0	1.1%
50.6%	5	5	0	1.0%
51.9%	5	5	0	-0.1%
53.1%	5	5	0	-0.7%
54.3%	5	5	0	-1.5%
55.6%	5	5	0	-1.3%
56.8%	5	5	0	-1.4%
58.0%	5	5	0	-3.8%
59.3%	5	5	0	-3.6%
60.5%	5	5	0	-3.3%
61.7%	5	5	0	-3.9%
63.0%	5	5	0	-2.4%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.2%
66.7%	5	5	0	0.0%
67.9%	5	5	0	-0.7%
69.1%	5	5	0	2.1%
70.4%	5	5	0	2.0%
71.6%	5	5	0	2.0%
72.8%	5	5	0	1.9%
74.1%	5	5	0	0.6%
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	5	0	7.0%
81.5%	4	5	0	5.6%
82.7%	4	5	0	5.4%
84.0%	4	5	0	5.9%
85.2%	4	4	0	0.1%
86.4%	4	4	0	1.4%
87.7%	4	4	0	7.3%
88.9%	4	4	0	4.4%
90.1%	4	4	0	3.8%
91.4%	4	4	0	2.6%
92.6%	4	4	0	3.0%
93.8%	4	4	0	5.5%
95.1%	4	4	0	4.8%
96.3%	4	4	0	3.5%
97.5%	4	4	0	-1.1%
98.8%	4	4	0	0.8%
100.0%	3	3	0	9.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-3.1%
2.5%	7	7	0	-3.3%
3.7%	7	7	0	-3.6%
4.9%	7	7	0	-4.2%
6.2%	7	7	0	-4.6%
7.4%	7	7	0	-4.7%
8.6%	7	7	0	-4.6%
9.9%	7	7	0	-4.0%
11.1%	7	7	0	-4.0%
12.3%	7	7	0	-3.7%
13.6%	7	7	0	-2.7%
14.8%	7	7	0	-3.4%
16.0%	7	7	0	-3.4%
17.3%	7	7	0	-3.2%
18.5%	7	7	0	-2.7%
19.8%	7	7	0	-2.8%
21.0%	7	7	0	-2.6%
22.2%	7	7	0	-2.3%
23.5%	7	7	0	-2.3%
24.7%	7	6	0	-2.1%
25.9%	7	6	0	-2.1%
27.2%	7	6	0	-0.9%
28.4%	6	6	0	-0.3%
29.6%	6	6	0	-0.2%
30.9%	6	6	0	-0.4%
32.1%	6	6	0	-0.5%
33.3%	6	6	0	1.3%
34.6%	6	6	0	2.1%
35.8%	6	6	0	4.8%
37.0%	6	6	0	7.2%
38.3%	6	6	0	5.3%
39.5%	6	6	0	5.1%
40.7%	6	6	0	4.5%
42.0%	6	6	0	4.5%
43.2%	6	6	0	-1.2%
44.4%	6	6	0	0.4%
45.7%	5	6	0	1.3%
46.9%	5	6	0	1.2%
48.1%	5	6	0	1.9%
49.4%	5	6	0	4.6%
50.6%	5	5	0	4.1%
51.9%	5	5	0	3.6%
53.1%	5	5	0	4.2%
54.3%	5	5	0	2.5%
55.6%	5	5	0	2.0%
56.8%	5	5	0	1.9%
58.0%	5	5	0	0.9%
59.3%	5	5	0	-0.1%
60.5%	5	5	0	-0.2%
61.7%	5	5	0	0.1%
63.0%	5	5	0	-0.8%
64.2%	5	5	0	-4.3%
65.4%	5	5	0	-2.8%
66.7%	5	5	0	-2.8%
67.9%	5	5	0	-1.9%
69.1%	5	5	0	-2.3%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	-0.1%
74.1%	5	5	0	-0.3%
75.3%	5	5	0	-1.0%
76.5%	5	4	0	-2.2%
77.8%	5	4	0	-2.8%
79.0%	4	4	0	-0.6%
80.2%	4	4	0	-0.3%
81.5%	4	4	0	3.4%
82.7%	4	4	0	4.0%
84.0%	4	4	0	6.4%
85.2%	4	4	0	4.4%
86.4%	4	4	0	4.9%
87.7%	4	4	0	3.9%
88.9%	4	4	0	4.2%
90.1%	4	4	0	4.5%
91.4%	4	4	0	6.9%
92.6%	4	4	0	6.0%
93.8%	4	4	0	5.9%
95.1%	4	4	0	3.5%
96.3%	4	4	0	2.0%
97.5%	3	4	0	9.2%
98.8%	3	4	0	7.6%
100.0%	3	3	0	1.1%

Alternative D Compared to No Action Alternative

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Table SW-01-9a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
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 D	1,316	1,331	1,384	1,446	1,554	1,674	1,825	1,821	1,782	1,641	1,498	1,376
Difference	11	16	17	15	13	9	10	10	8	5	3	3
Percent Difference[3]	0.8%	1.2%	1.2%	1.1%	0.9%	0.6%	0.5%	0.6%	0.5%	0.3%	0.2%	0.2%
	Water Year Types[2]											
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 D	1,729	1,740	1,758	1,765	1,924	2,060	2,236	2,271	2,247	2,119	1,986	1,837
Difference	-7	-5	-3	16	12	9	7	7	6	5	-8	-8
Percent Difference	-0.4%	-0.3%	-0.2%	0.9%	0.6%	0.4%	0.3%	0.3%	0.3%	0.2%	-0.4%	-0.4%
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 D	1,549	1,550	1,582	1,565	1,717	1,885	2,057	2,060	2,032	1,903	1,737	1,605
Difference	15	21	25	47	50	48	50	48	48	43	16	21
Percent Difference	0.9%	1.3%	1.6%	3.1%	3.0%	2.6%	2.5%	2.4%	2.4%	2.3%	0.9%	1.3%
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 D	1,223	1,261	1,343	1,326	1,400	1,496	1,677	1,661	1,614	1,474	1,344	1,242
Difference	1	8	6	1	1	-1	5	5	5	-5	0	1
Percent Difference	0.1%	0.6%	0.4%	0.1%	0.0%	0.0%	0.3%	0.3%	0.3%	-0.3%	0.0%	0.1%
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 D	1,078	1,095	1,204	1,338	1,412	1,531	1,667	1,619	1,555	1,392	1,237	1,129
Difference	9	17	18	4	-2	-11	-13	-12	-16	-19	-6	-3
Percent Difference	0.9%	1.6%	1.5%	0.3%	-0.1%	-0.7%	-0.8%	-0.7%	-1.0%	-1.3%	-0.5%	-0.3%
Critical (15%)												
No Action Alternative	595	596	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative D	655	660	691	941	982	1,052	1,115	1,092	1,064	911	775	678
Difference	60	64	62	17	16	13	16	16	15	17	34	21
Percent Difference	10.1%	10.8%	9.9%	1.8%	1.6%	1.3%	1.5%	1.5%	1.4%	1.9%	4.6%	3.1%

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-01-9b
Trinity Lake, End of Month Storage
Probability of Exceedance

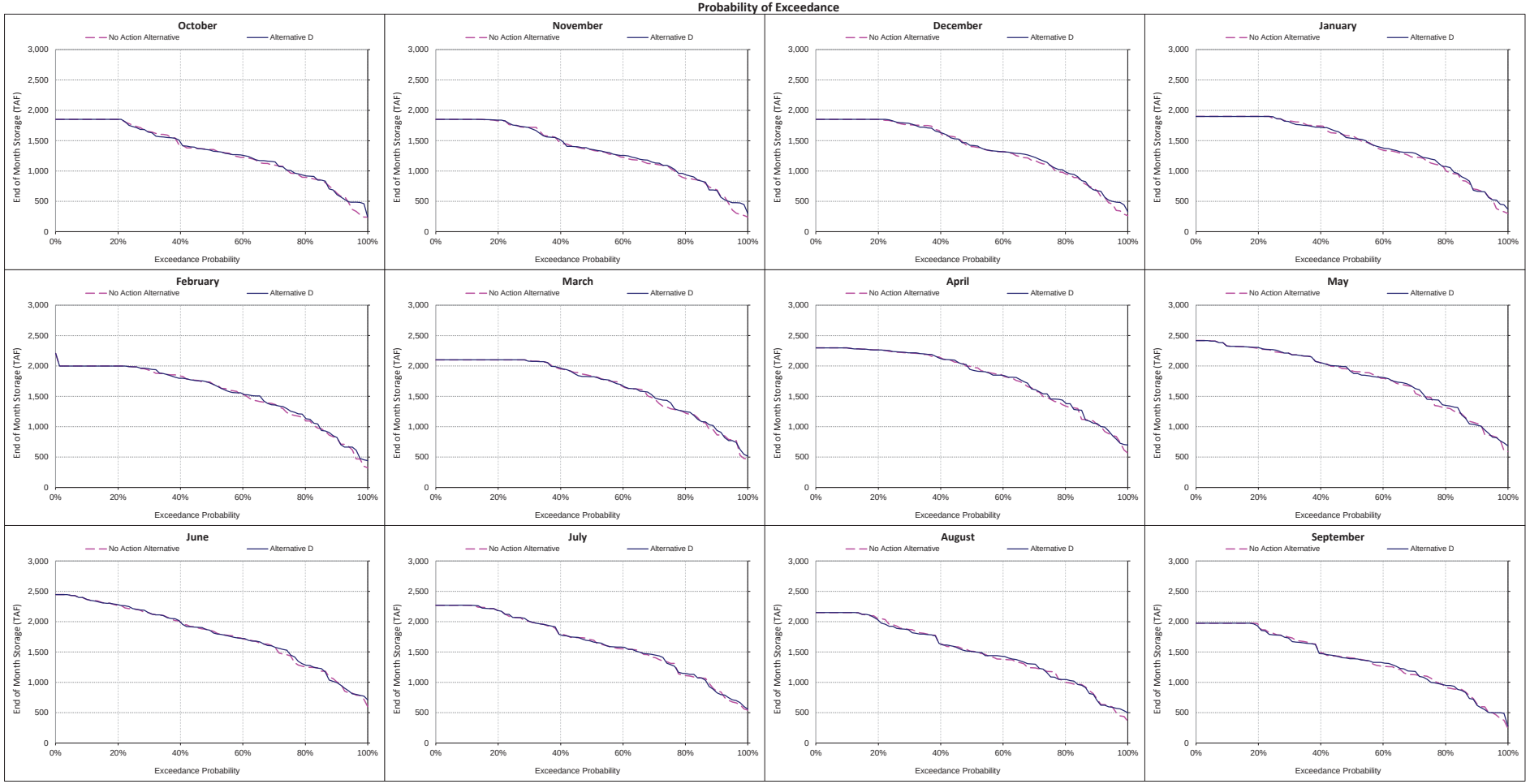

Table SW-01-9b
Trinity Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	1,815	8	0.4%
23.5%	1,781	1,752	-29	-1.7%
24.7%	1,755	1,731	-24	-1.4%
25.9%	1,732	1,713	-19	-1.1%
27.2%	1,714	1,686	-28	-1.6%
28.4%	1,672	1,686	14	0.8%
29.6%	1,652	1,642	-10	-0.6%
30.9%	1,642	1,631	-11	-0.7%
32.1%	1,619	1,572	-46	-2.9%
33.3%	1,605	1,566	-39	-2.4%
34.6%	1,603	1,562	-41	-2.5%
35.8%	1,592	1,553	-39	-2.5%
37.0%	1,548	1,549	1	0.1%
38.3%	1,544	1,538	-6	-0.4%
39.5%	1,433	1,508	75	5.2%
40.7%	1,424	1,414	-10	-0.7%
42.0%	1,382	1,410	28	2.0%
43.2%	1,379	1,396	17	1.2%
44.4%	1,377	1,394	17	1.3%
45.7%	1,370	1,370	-1	-0.1%
46.9%	1,367	1,363	-4	-0.3%
48.1%	1,362	1,353	-8	-0.6%
49.4%	1,356	1,348	-9	-0.6%
50.6%	1,355	1,326	-28	-2.1%
51.9%	1,323	1,321	-2	-0.2%
53.1%	1,315	1,311	-4	-0.3%
54.3%	1,299	1,292	-7	-0.5%
55.6%	1,294	1,284	-11	-0.8%
56.8%	1,257	1,268	11	0.8%
58.0%	1,239	1,268	29	2.3%
59.3%	1,225	1,267	42	3.4%
60.5%	1,224	1,251	27	2.2%
61.7%	1,214	1,239	25	2.1%
63.0%	1,201	1,213	11	0.9%
64.2%	1,179	1,185	6	0.5%
65.4%	1,134	1,171	37	3.3%
66.7%	1,126	1,169	43	3.8%
67.9%	1,124	1,162	37	3.3%
69.1%	1,102	1,159	57	5.2%
70.4%	1,098	1,148	51	4.6%
71.6%	1,082	1,075	-7	-0.7%
72.8%	1,075	1,067	-8	-0.8%
74.1%	1,018	1,013	-5	-0.5%
75.3%	965	1,008	43	4.4%
76.5%	959	965	6	0.6%
77.8%	936	953	17	1.8%
79.0%	896	936	39	4.4%
80.2%	895	917	22	2.5%
81.5%	885	916	30	3.4%
82.7%	869	909	41	4.7%
84.0%	858	849	-9	-1.1%
85.2%	855	848	-7	-0.8%
86.4%	807	832	25	3.0%
87.7%	751	704	-47	-6.3%
88.9%	700	688	-12	-1.7%
90.1%	633	609	-25	-3.9%
91.4%	583	571	-12	-2.1%
92.6%	580	535	-45	-7.8%
93.8%	483	493	11	2.2%
95.1%	367	485	118	32.1%
96.3%	334	484	150	45.0%
97.5%	281	483	202	71.8%
98.8%	240	462	222	92.4%
100.0%	240	240	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	1,845	2	0.1%
18.5%	1,840	1,843	4	0.2%
19.8%	1,828	1,840	12	0.7%
21.0%	1,828	1,837	9	0.5%
22.2%	1,825	1,826	1	0.1%
23.5%	1,765	1,787	22	1.3%
24.7%	1,754	1,756	2	0.1%
25.9%	1,753	1,749	-4	-0.2%
27.2%	1,727	1,737	10	0.6%
28.4%	1,722	1,729	7	0.4%
29.6%	1,722	1,719	-3	-0.2%
30.9%	1,720	1,692	-28	-1.6%
32.1%	1,719	1,666	-53	-3.1%
33.3%	1,655	1,620	-34	-2.1%
34.6%	1,583	1,577	-6	-0.4%
35.8%	1,577	1,558	-18	-1.2%
37.0%	1,572	1,556	-16	-1.0%
38.3%	1,553	1,553	-1	0.0%
39.5%	1,482	1,524	42	2.8%
40.7%	1,449	1,482	34	2.3%
42.0%	1,444	1,405	-39	-2.7%
43.2%	1,418	1,404	-14	-1.0%
44.4%	1,408	1,402	-6	-0.4%
45.7%	1,386	1,399	13	1.0%
46.9%	1,371	1,386	15	1.1%
48.1%	1,360	1,386	25	1.9%
49.4%	1,358	1,360	3	0.2%
50.6%	1,337	1,351	13	1.0%
51.9%	1,328	1,338	10	0.8%
53.1%	1,317	1,328	11	0.8%
54.3%	1,309	1,310	2	0.1%
55.6%	1,278	1,303	24	1.9%
56.8%	1,275	1,276	1	0.1%
58.0%	1,261	1,265	4	0.3%
59.3%	1,231	1,258	27	2.2%
60.5%	1,223	1,256	33	2.7%
61.7%	1,200	1,247	48	4.0%
63.0%	1,187	1,228	41	3.5%
64.2%	1,181	1,213	32	2.7%
65.4%	1,179	1,192	13	1.1%
66.7%	1,147	1,185	38	3.4%
67.9%	1,124	1,179	54	4.8%
69.1%	1,120	1,148	29	2.6%
70.4%	1,112	1,130	18	1.6%
71.6%	1,102	1,130	28	2.5%
72.8%	1,093	1,095	2	0.2%
74.1%	1,093	1,094	1	0.1%
75.3%	1,041	1,065	24	2.3%
76.5%	1,003	1,024	21	2.1%
77.8%	931	961	30	3.3%
79.0%	897	959	62	7.0%
80.2%	875	936	61	6.9%
81.5%	875	920	45	5.2%
82.7%	862	901	40	4.6%
84.0%	852	848	-3	-0.4%
85.2%	843	835	-8	-1.0%
86.4%	793	815	22	2.7%
87.7%	735	688	-47	-6.4%
88.9%	710	685	-25	-3.5%
90.1%	689	677	-12	-1.7%
91.4%	578	565	-12	-2.1%
92.6%	571	526	-45	-7.9%
93.8%	468	500	32	6.9%
95.1%	355	477	122	34.5%
96.3%	305	476	170	55.9%
97.5%	284	474	190	67.1%
98.8%	267	448	181	67.9%
100.0%	240	298	58	24.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	1,845	10	0.6%
24.7%	1,817	1,827	10	0.5%
25.9%	1,794	1,805	11	0.6%
27.2%	1,779	1,797	18	1.0%
28.4%	1,768	1,793	26	1.5%
29.6%	1,763	1,789	26	1.5%
30.9%	1,759	1,770	12	0.7%
32.1%	1,755	1,749	-6	-0.3%
33.3%	1,754	1,724	-30	-1.7%
34.6%	1,750	1,722	-27	-1.6%
35.8%	1,748	1,711	-38	-2.2%
37.0%	1,740	1,706	-34	-2.0%
38.3%	1,685	1,657	-28	-1.7%
39.5%	1,669	1,642	-26	-1.6%
40.7%	1,581	1,618	37	2.3%
42.0%	1,579	1,596	16	1.0%
43.2%	1,571	1,547	-24	-1.5%
44.4%	1,561	1,531	-30	-1.9%
45.7%	1,537	1,527	-10	-0.7%
46.9%	1,483	1,468	-16	-1.1%
48.1%	1,429	1,467	38	2.7%
49.4%	1,405	1,424	19	1.4%
50.6%	1,400	1,421	21	1.5%
51.9%	1,388	1,412	24	1.7%
53.1%	1,386	1,373	-14	-1.0%
54.3%	1,351	1,353	2	0.2%
55.6%	1,338	1,341	4	0.3%
56.8%	1,332	1,330	-2	-0.1%
58.0%	1,320	1,325	4	0.3%
59.3%	1,319	1,321	2	0.2%
60.5%	1,319	1,314	-4	-0.3%
61.7%	1,296	1,308	12	0.9%
63.0%	1,288	1,297	9	0.7%
64.2%	1,254	1,290	36	2.9%
65.4%	1,236	1,286	50	4.1%
66.7%	1,220	1,276	56	4.6%
67.9%	1,216	1,266	50	4.1%
69.1%	1,176	1,245	70	5.9%
70.4%	1,170	1,224	54	4.6%
71.6%	1,137	1,191	54	4.8%
72.8%	1,117	1,168	51	4.6%
74.1%	1,109	1,139	30	2.7%
75.3%	1,092	1,085	-7	-0.6%
76.5%	1,012	1,052	40	3.9%
77.8%	985	1,024	38	3.9%
79.0%	980	1,023	43	4.4%
80.2%	949	977	29	3.0%
81.5%	938	953	15	1.6%
82.7%	892	943	51	5.7%
84.0%	892	905	13	1.5%
85.2%	827	843	16	1.9%
86.4%	783	825	42	5.3%
87.7%	751	732	-19	-2.5%
88.9%	720	691	-29	-4.0%
90.1%	679	673	-7	-1.0%
91.4%	581	668	87	15.0%
92.6%	566	569	2	0.4%
93.8%	478	521	44	9.1%
95.1%	458	500	42	9.1%
96.3%	350	484	134	38.1%
97.5%	342	480	138	40.4%
98.8%	287	444	158	55.0%
100.0%	264	329	65	24.6%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,900	1,900	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,900	1,900	0	0.0%
17.3%	1,900	1,900	0	0.0%
18.5%	1,900	1,900	0	0.0%
19.8%	1,900	1,900	0	0.0%
21.0%	1,900	1,900	0	0.0%
22.2%	1,900	1,900	0	0.0%
23.5%	1,900	1,900	0	0.0%
24.7%	1,869	1,894	26	1.4%
25.9%	1,861	1,862	1	0.0%
27.2%	1,857	1,861	5	0.2%
28.4%	1,830	1,822	-8	-0.4%
29.6%	1,825	1,817	-7	-0.4%
30.9%	1,820	1,785	-34	-1.9%
32.1%	1,808	1,765	-43	-2.4%
33.3%	1,808	1,763	-44	-2.5%
34.6%	1,784	1,754	-30	-1.7%
35.8%	1,754	1,747	-7	-0.4%
37.0%	1,751	1,736	-16	-0.9%
38.3%	1,745	1,724	-20	-1.2%
39.5%	1,742	1,724	-18	-1.0%
40.7%	1,739	1,715	-24	-1.4%
42.0%	1,663	1,714	51	3.1%
43.2%	1,630	1,688	59	3.6%
44.4%	1,625	1,663	37	2.3%
45.7%	1,620	1,644	24	1.5%
46.9%	1,606	1,604	-2	-0.1%
48.1%	1,581	1,553	-27	-1.7%
49.4%	1,578	1,542	-36	-2.3%
50.6%	1,567	1,535	-32	-2.1%
51.9%	1,531	1,527	-4	-0.3%
53.1%	1,492	1,521	28	1.9%
54.3%	1,472	1,501	29	1.9%
55.6%	1,468	1,451	-17	-1.2%
56.8%	1,423	1,429	5	0.4%
58.0%	1,381	1,406	24	1.8%
59.3%	1,354	1,390	36	2.7%
60.5%	1,337	1,371	35	2.6%
61.7%	1,332	1,369	36	2.7%
63.0%	1,328	1,350	23	1.7%
64.2%	1,313	1,339	26	2.0%
65.4%	1,294	1,318	23	1.8%
66.7%	1,284	1,308	23	1.8%
67.9%	1,263	1,307	43	3.4%
69.1%	1,231	1,306	75	6.1%
70.4%	1,228	1,289	62	5.0%
71.6%	1,224	1,258	34	2.8%
72.8%	1,209	1,222	14	1.1%
74.1%	1,163	1,216	53	4.6%
75.3%	1,131	1,198	68	6.0%
76.5%	1,113	1,184	71	6.4%
77.8%	1,098	1,130	32	2.9%
79.0%	1,090	1,076	-14	-1.3%
80.2%	996	1,073	77	7.7%
81.5%	973	1,055	82	8.4%
82.7%	954	979	24	2.6%
84.0%	950	959	9	0.9%
85.2%	843	906	63	7.5%
86.4%	833	877	44	5.2%
87.7%	792	834	41	5.2%
88.9%	704	682	-23	-3.2%
90.1%	694	668	-26	-3.7%
91.4%	671	660	-12	-1.8%
92.6%	654	657	3	0.5%
93.8%	571	562	-9	-1.6%
95.1%	528	526	-2	-0.4%
96.3%	383	522	139	36.4%
97.5%	347	452	105	30.2%
98.8%	327	441	114	35.0%
100.0%	300	370	71	23.6%

Table SW-01-9b
Trinity Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	1,991	0	0.0%
24.7%	1,988	1,988	0	0.0%
25.9%	1,985	1,985	0	0.0%
27.2%	1,957	1,965	8	0.4%
28.4%	1,955	1,965	10	0.5%
29.6%	1,935	1,955	20	1.1%
30.9%	1,914	1,942	28	1.5%
32.1%	1,880	1,939	59	3.2%
33.3%	1,876	1,884	8	0.4%
34.6%	1,875	1,875	0	0.0%
35.8%	1,859	1,857	-2	-0.1%
37.0%	1,853	1,836	-18	-1.0%
38.3%	1,853	1,815	-38	-2.1%
39.5%	1,837	1,799	-38	-2.0%
40.7%	1,828	1,796	-32	-1.7%
42.0%	1,784	1,791	7	0.4%
43.2%	1,778	1,773	-4	-0.2%
44.4%	1,766	1,765	-1	-0.1%
45.7%	1,761	1,754	-7	-0.4%
46.9%	1,739	1,754	15	0.9%
48.1%	1,737	1,745	7	0.4%
49.4%	1,737	1,722	-15	-0.9%
50.6%	1,694	1,694	0	0.0%
51.9%	1,685	1,659	-27	-1.6%
53.1%	1,630	1,629	-2	-0.1%
54.3%	1,628	1,605	-23	-1.4%
55.6%	1,601	1,576	-25	-1.5%
56.8%	1,592	1,563	-30	-1.9%
58.0%	1,580	1,560	-20	-1.3%
59.3%	1,524	1,559	35	2.3%
60.5%	1,523	1,526	3	0.2%
61.7%	1,482	1,524	43	2.9%
63.0%	1,439	1,512	73	5.1%
64.2%	1,428	1,506	78	5.5%
65.4%	1,413	1,505	92	6.5%
66.7%	1,404	1,426	23	1.6%
67.9%	1,390	1,382	-8	-0.6%
69.1%	1,385	1,362	-22	-1.6%
70.4%	1,364	1,356	-8	-0.6%
71.6%	1,322	1,341	19	1.4%
72.8%	1,298	1,332	34	2.6%
74.1%	1,233	1,298	65	5.3%
75.3%	1,202	1,254	52	4.3%
76.5%	1,185	1,238	53	4.5%
77.8%	1,172	1,212	40	3.4%
79.0%	1,155	1,208	53	4.6%
80.2%	1,095	1,129	34	3.1%
81.5%	1,094	1,123	29	2.6%
82.7%	1,021	1,058	37	3.6%
84.0%	977	1,047	69	7.1%
85.2%	965	938	-26	-2.7%
86.4%	924	929	4	0.5%
87.7%	861	904	44	5.1%
88.9%	834	853	19	2.3%
90.1%	812	822	10	1.3%
91.4%	710	704	-6	-0.9%
92.6%	710	665	-44	-6.3%
93.8%	675	664	-12	-1.7%
95.1%	619	663	44	7.1%
96.3%	469	612	144	30.6%
97.5%	466	474	8	1.7%
98.8%	349	454	105	30.2%
100.0%	322	443	121	37.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	2,079	-21	-1.0%
30.9%	2,079	2,076	-2	-0.1%
32.1%	2,078	2,074	-3	-0.2%
33.3%	2,076	2,071	-5	-0.2%
34.6%	2,069	2,071	2	0.1%
35.8%	2,054	2,054	0	0.0%
37.0%	2,008	1,992	-16	-0.8%
38.3%	1,983	1,990	7	0.4%
39.5%	1,955	1,972	17	0.9%
40.7%	1,946	1,951	6	0.3%
42.0%	1,933	1,937	5	0.2%
43.2%	1,915	1,915	0	0.0%
44.4%	1,893	1,877	-16	-0.8%
45.7%	1,892	1,840	-53	-2.8%
46.9%	1,867	1,830	-37	-2.0%
48.1%	1,855	1,826	-29	-1.6%
49.4%	1,841	1,824	-17	-0.9%
50.6%	1,826	1,824	-2	-0.1%
51.9%	1,815	1,806	-9	-0.5%
53.1%	1,788	1,780	-8	-0.4%
54.3%	1,770	1,777	7	0.4%
55.6%	1,754	1,769	16	0.9%
56.8%	1,742	1,733	-9	-0.5%
58.0%	1,741	1,708	-33	-1.9%
59.3%	1,680	1,693	14	0.8%
60.5%	1,646	1,658	12	0.7%
61.7%	1,630	1,629	-1	-0.1%
63.0%	1,622	1,628	6	0.4%
64.2%	1,621	1,624	2	0.1%
65.4%	1,615	1,585	-30	-1.9%
66.7%	1,602	1,579	-23	-1.4%
67.9%	1,506	1,571	65	4.3%
69.1%	1,483	1,527	43	2.9%
70.4%	1,444	1,468	23	1.6%
71.6%	1,381	1,451	70	5.1%
72.8%	1,334	1,436	102	7.6%
74.1%	1,324	1,432	108	8.2%
75.3%	1,294	1,392	97	7.5%
76.5%	1,284	1,292	8	0.7%
77.8%	1,270	1,273	2	0.2%
79.0%	1,252	1,259	6	0.5%
80.2%	1,221	1,245	25	2.0%
81.5%	1,202	1,237	35	2.9%
82.7%	1,197	1,184	-13	-1.1%
84.0%	1,147	1,122	-26	-2.2%
85.2%	1,066	1,083	17	1.6%
86.4%	1,065	1,080	14	1.4%
87.7%	951	1,033	82	8.6%
88.9%	951	1,017	66	7.0%
90.1%	864	938	74	8.6%
91.4%	863	906	43	5.0%
92.6%	848	818	-30	-3.5%
93.8%	789	769	-20	-2.5%
95.1%	780	769	-12	-1.5%
96.3%	771	742	-29	-3.8%
97.5%	528	627	99	18.8%
98.8%	475	544	70	14.7%
100.0%	466	515	49	10.5%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	2,288	-2	-0.1%
12.3%	2,283	2,283	0	0.0%
13.6%	2,283	2,282	-2	-0.1%
14.8%	2,278	2,278	0	0.0%
16.0%	2,276	2,276	0	0.0%
17.3%	2,269	2,267	-2	-0.1%
18.5%	2,266	2,266	0	0.0%
19.8%	2,263	2,266	2	0.1%
21.0%	2,261	2,265	4	0.2%
22.2%	2,259	2,257	-2	-0.1%
23.5%	2,241	2,254	13	0.6%
24.7%	2,234	2,240	6	0.3%
25.9%	2,226	2,234	8	0.4%
27.2%	2,225	2,231	6	0.3%
28.4%	2,218	2,225	6	0.3%
29.6%	2,218	2,218	1	0.0%
30.9%	2,214	2,218	4	0.2%
32.1%	2,208	2,216	8	0.4%
33.3%	2,205	2,205	0	0.0%
34.6%	2,191	2,198	7	0.3%
35.8%	2,190	2,191	1	0.0%
37.0%	2,161	2,190	29	1.3%
38.3%	2,153	2,161	8	0.4%
39.5%	2,149	2,132	-17	-0.8%
40.7%	2,117	2,109	-8	-0.4%
42.0%	2,101	2,107	6	0.3%
43.2%	2,095	2,103	8	0.4%
44.4%	2,063	2,097	34	1.6%
45.7%	2,059	2,053	-6	-0.3%
46.9%	2,052	2,033	-19	-0.9%
48.1%	1,997	2,024	26	1.3%
49.4%	1,995	1,943	-52	-2.6%
50.6%	1,972	1,927	-46	-2.3%
51.9%	1,967	1,915	-52	-2.7%
53.1%	1,918	1,911	-8	-0.4%
54.3%	1,913	1,905	-8	-0.4%
55.6%	1,889	1,885	-4	-0.2%
56.8%	1,878	1,848	-31	-1.6%
58.0%	1,864	1,847	-17	-0.9%
59.3%	1,862	1,847	-15	-0.8%
60.5%	1,823	1,839	15	0.8%
61.7%	1,811	1,815	3	0.2%
63.0%	1,798	1,814	16	0.9%
64.2%	1,761	1,809	48	2.7%
65.4%	1,744	1,775	31	1.8%
66.7%	1,707	1,742	35	2.1%
67.9%	1,660	1,718	58	3.5%
69.1%	1,641	1,622	-19	-1.2%
70.4%	1,582	1,610	28	1.8%
71.6%	1,571	1,574	3	0.2%
72.8%	1,496	1,542	46	3.1%
74.1%	1,486	1,539	53	3.6%
75.3%	1,449	1,456	6	0.4%
76.5%	1,416	1,454	39	2.7%
77.8%	1,406	1,450	44	3.1%
79.0%	1,362	1,437	75	5.5%
80.2%	1,337	1,379	42	3.1%
81.5%	1,316	1,376	60	4.6%
82.7%	1,311	1,284	-27	-2.1%
84.0%	1,299	1,274	-25	-1.9%
85.2%	1,121	1,273	152	13.5%
86.4%	1,118	1,109	-9	-0.8%
87.7%	1,105	1,092	-12	-1.1%
88.9%	1,096	1,057	-40	-3.6%
90.1%	1,038	1,052	13	1.3%
91.4%	1,006	1,000	-6	-0.6%
92.6%	920	994	74	8.0%
93.8%	887	929	41	4.7%
95.1%	855	853	-2	-0.2%
96.3%	838	791	-47	-5.6%
97.5%	742	729	-12	-1.7%
98.8%	615	707	92	15.0%
100.0%	565	698	133	23.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,420	2,420	0	0.0%
1.2%	2,420	2,420	0	0.0%
2.5%	2,420	2,420	0	0.0%
3.7%	2,420	2,420	0	0.0%
4.9%	2,411	2,411	0	0.0%
6.2%	2,410	2,410	0	0.0%
7.4%	2,386	2,384	-2	-0.1%
8.6%	2,384	2,384	0	0.0%
9.9%	2,330	2,328	-2	-0.1%
11.1%	2,325	2,325	0	0.0%
12.3%	2,323	2,324	1	0.0%
13.6%	2,321	2,321	0	0.0%
14.8%	2,318	2,318	0	0.0%
16.0%	2,318	2,317	-1	-0.1%
17.3%	2,310	2,310	0	0.0%
18.5%	2,301	2,306	5	0.2%
19.8%	2,292	2,306	14	0.6%
21.0%	2,276	2,292	16	0.7%
22.2%	2,274	2,275	1	0.0%
23.5%	2,272	2,272	0	0.0%
24.7%	2,234	2,267	32	1.4%
25.9%	2,229	2,256	27	1.2%
27.2%	2,221	2,234	13	0.6%
28.4%	2,215	2,214	-1	0.0%
29.6%	2,214	2,213	-1	0.0%
30.9%	2,185	2,185	0	0.0%
32.1%	2,183	2,183	0	0.0%
33.3%	2,173	2,173	0	0.0%
34.6%	2,163	2,164	1	0.0%
35.8%	2,162	2,163	1	0.0%
37.0%	2,158	2,148	-10	-0.5%
38.3%	2,077	2,077	0	0.0%
39.5%	2,061	2,061	0	0.0%
40.7%	2,039	2,045	6	0.3%
42.0%	2,033	2,023	-10	-0.5%
43.2%	1,997	2,006	9	0.5%
44.4%	1,992	2,002	10	0.5%
45.7%	1,987	2,000	13	0.7%
46.9%	1,957	1,990	33	1.7%
48.1%	1,955	1,988	33	1.7%
49.4%	1,930	1,923	-8	-0.4%
50.6%	1,911	1,877	-35	-1.8%
51.9%	1,905	1,876	-29	-1.5%
53.1%	1,904	1,850	-54	-2.8%
54.3%	1,890	1,842	-48	-2.5%
55.6%	1,888	1,840	-48	-2.6%
56.8%	1,859	1,824	-35	-1.9%
58.0%	1,840	1,817	-22	-1.2%
59.3%	1,798	1,815	17	1.0%
60.5%	1,794	1,808	14	0.8%
61.7%	1,771	1,789	19	1.0%
63.0%	1,756	1,759	3	0.2%
64.2%	1,716	1,739	24	1.4%
65.4%	1,696	1,729	33	1.9%
66.7%	1,689	1,722	33	2.0%
67.9%	1,673	1,701	27	1.6%
69.1%	1,664	1,665	2	0.1%
70.4%	1,546	1,626	79	5.1%
71.6%	1,517	1,609	92	6.1%
72.8%	1,491	1,539	48	3.2%
74.1%	1,490	1,449	-41	-2.8%
75.3%	1,479	1,447	-32	-2.2%
76.5%	1,348	1,443	96	7.1%
77.8%	1,339	1,440	101	7.6%
79.0%	1,319	1,362	42	3.2%
80.2%	1,310	1,350	40	3.1%
81.5%	1,298	1,341	43	3.3%
82.7%	1,255	1,322	67	5.4%
84.0%	1,239	1,316	77	6.2%
85.2%	1,210	1,195	-14	-1.2%
86.4%	1,149	1,137	-12	-1.0%
87.7%	1,088	1,044	-45	-4.1%
88.9%	1,071	1,039	-32	-3.0%
90.1%	1,051	1,023	-28	-2.7%
91.4%	1,036	1,011	-25	-2.4%
92.6%	868	947	79	9.1%
93.8%	862	889	27	3.2%
95.1%	848	825	-23	-2.7%
96.3%	827	816	-11	-1.4%
97.5%	779	767	-12	-1.6%
98.8%	603	730	127	21.1%
100.0%	588	685	97	16.5%

Table SW-01-9b

Trinity Lake, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	2,340	-9	-0.4%
13.6%	2,340	2,332	-9	-0.4%
14.8%	2,315	2,308	-7	-0.3%
16.0%	2,304	2,304	0	0.0%
17.3%	2,304	2,303	-1	0.0%
18.5%	2,285	2,291	7	0.3%
19.8%	2,268	2,283	15	0.7%
21.0%	2,265	2,266	2	0.1%
22.2%	2,226	2,261	36	1.6%
23.5%	2,214	2,251	36	1.6%
24.7%	2,211	2,214	2	0.1%
25.9%	2,204	2,204	0	0.0%
27.2%	2,187	2,192	4	0.2%
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	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,064	-10	-0.5%
37.0%	2,043	2,052	9	0.4%
38.3%	2,018	2,048	31	1.5%
39.5%	2,012	2,020	7	0.4%
40.7%	1,950	1,953	3	0.1%
42.0%	1,947	1,918	-29	-1.5%
43.2%	1,918	1,917	-1	-0.1%
44.4%	1,917	1,910	-6	-0.3%
45.7%	1,896	1,906	10	0.5%
46.9%	1,881	1,904	23	1.2%
48.1%	1,874	1,874	0	0.0%
49.4%	1,859	1,859	0	0.0%
50.6%	1,840	1,811	-29	-1.6%
51.9%	1,806	1,793	-12	-0.7%
53.1%	1,789	1,789	0	0.0%
54.3%	1,780	1,775	-5	-0.3%
55.6%	1,772	1,762	-11	-0.6%
56.8%	1,765	1,748	-17	-1.0%
58.0%	1,739	1,732	-6	-0.4%
59.3%	1,731	1,726	-5	-0.3%
60.5%	1,711	1,724	13	0.7%
61.7%	1,705	1,695	-10	-0.6%
63.0%	1,688	1,681	-7	-0.4%
64.2%	1,675	1,680	5	0.3%
65.4%	1,645	1,666	21	1.3%
66.7%	1,631	1,632	1	0.1%
67.9%	1,630	1,607	-23	-1.4%
69.1%	1,608	1,602	-6	-0.4%
70.4%	1,571	1,575	4	0.3%
71.6%	1,483	1,559	76	5.1%
72.8%	1,465	1,541	76	5.2%
74.1%	1,455	1,529	74	5.1%
75.3%	1,435	1,447	12	0.8%
76.5%	1,326	1,418	92	6.9%
77.8%	1,285	1,345	60	4.7%
79.0%	1,267	1,308	41	3.2%
80.2%	1,250	1,281	30	2.4%
81.5%	1,246	1,279	33	2.6%
82.7%	1,246	1,247	1	0.1%
84.0%	1,239	1,234	-5	-0.4%
85.2%	1,184	1,226	42	3.6%
86.4%	1,183	1,170	-13	-1.1%
87.7%	1,088	1,040	-48	-4.4%
88.9%	1,062	1,017	-44	-4.2%
90.1%	1,006	994	-12	-1.2%
91.4%	975	950	-25	-2.6%
92.6%	855	906	51	6.0%
93.8%	827	863	35	4.3%
95.1%	822	810	-12	-1.5%
96.3%	788	804	16	2.0%
97.5%	784	787	3	0.4%
98.8%	722	771	49	6.8%
100.0%	600	710	111	18.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	2,269	8	0.3%
13.6%	2,238	2,260	21	0.9%
14.8%	2,235	2,221	-14	-0.6%
16.0%	2,233	2,217	-16	-0.7%
17.3%	2,219	2,216	-2	-0.1%
18.5%	2,216	2,215	-1	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,121	-3	-0.2%
23.5%	2,090	2,121	32	1.5%
24.7%	2,071	2,071	0	0.0%
25.9%	2,067	2,070	2	0.1%
27.2%	2,067	2,067	0	0.0%
28.4%	2,014	2,056	43	2.1%
29.6%	2,010	2,012	2	0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,964	0	0.0%
34.6%	1,956	1,956	0	0.0%
35.8%	1,931	1,940	9	0.5%
37.0%	1,926	1,926	0	0.0%
38.3%	1,890	1,916	26	1.4%
39.5%	1,794	1,792	-1	-0.1%
40.7%	1,790	1,769	-22	-1.2%
42.0%	1,769	1,764	-5	-0.3%
43.2%	1,742	1,750	8	0.5%
44.4%	1,737	1,742	5	0.3%
45.7%	1,737	1,738	2	0.1%
46.9%	1,735	1,714	-21	-1.2%
48.1%	1,728	1,694	-33	-1.9%
49.4%	1,705	1,684	-22	-1.3%
50.6%	1,695	1,662	-33	-1.9%
51.9%	1,634	1,654	20	1.2%
53.1%	1,625	1,645	20	1.2%
54.3%	1,610	1,611	1	0.0%
55.6%	1,591	1,590	-1	-0.1%
56.8%	1,578	1,587	8	0.5%
58.0%	1,562	1,583	21	1.4%
59.3%	1,554	1,579	25	1.6%
60.5%	1,551	1,577	26	1.7%
61.7%	1,549	1,543	-6	-0.4%
63.0%	1,541	1,543	2	0.2%
64.2%	1,535	1,511	-24	-1.6%
65.4%	1,507	1,494	-13	-0.9%
66.7%	1,460	1,476	16	1.1%
67.9%	1,456	1,470	13	0.9%
69.1%	1,415	1,463	48	3.4%
70.4%	1,405	1,449	44	3.1%
71.6%	1,375	1,436	61	4.4%
72.8%	1,350	1,408	58	4.3%
74.1%	1,340	1,315	-24	-1.8%
75.3%	1,312	1,289	-23	-1.8%
76.5%	1,311	1,262	-49	-3.7%
77.8%	1,142	1,167	25	2.2%
79.0%	1,118	1,147	29	2.6%
80.2%	1,110	1,144	34	3.1%
81.5%	1,104	1,132	27	2.5%
82.7%	1,088	1,130	42	3.9%
84.0%	1,085	1,072	-13	-1.2%
85.2%	1,069	1,071	2	0.2%
86.4%	1,066	1,032	-34	-3.2%
87.7%	980	933	-48	-4.9%
88.9%	901	889	-12	-1.3%
90.1%	851	826	-25	-2.9%
91.4%	842	797	-44	-5.2%
92.6%	747	789	42	5.7%
93.8%	704	745	41	5.8%
95.1%	676	713	36	5.4%
96.3%	662	701	40	6.0%
97.5%	631	664	33	5.2%
98.8%	561	603	41	7.3%
100.0%	542	560	17	3.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	2,144	-1	-0.1%
14.8%	2,122	2,123	0	0.0%
16.0%	2,110	2,119	8	0.4%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,073	-25	-1.2%
19.8%	2,053	2,033	-20	-1.0%
21.0%	2,050	1,976	-74	-3.6%
22.2%	2,034	1,958	-77	-3.8%
23.5%	1,957	1,924	-33	-1.7%
24.7%	1,949	1,924	-25	-1.3%
25.9%	1,927	1,890	-37	-1.9%
27.2%	1,892	1,881	-11	-0.6%
28.4%	1,890	1,875	-15	-0.8%
29.6%	1,872	1,868	-4	-0.2%
30.9%	1,868	1,816	-52	-2.8%
32.1%	1,837	1,806	-31	-1.7%
33.3%	1,816	1,795	-20	-1.1%
34.6%	1,808	1,795	-13	-0.7%
35.8%	1,795	1,786	-9	-0.5%
37.0%	1,777	1,782	5	0.3%
38.3%	1,777	1,767	-10	-0.6%
39.5%	1,641	1,641	0	0.0%
40.7%	1,622	1,617	-6	-0.3%
42.0%	1,592	1,616	24	1.5%
43.2%	1,588	1,601	14	0.9%
44.4%	1,588	1,592	4	0.3%
45.7%	1,583	1,561	-22	-1.4%
46.9%	1,556	1,535	-22	-1.4%
48.1%	1,547	1,518	-29	-1.8%
49.4%	1,514	1,514	0	0.0%
50.6%	1,510	1,503	-7	-0.5%
51.9%	1,488	1,497	8	0.6%
53.1%	1,475	1,490	15	1.0%
54.3%	1,460	1,442	-18	-1.3%
55.6%	1,424	1,441	17	1.2%
56.8%	1,414	1,439	25	1.7%
58.0%	1,386	1,438	52	3.8%
59.3%	1,383	1,430	47	3.4%
60.5%	1,376	1,427	50	3.7%
61.7%	1,372	1,403	31	2.2%
63.0%	1,370	1,383	13	0.9%
64.2%	1,333	1,378	45	3.4%
65.4%	1,324	1,353	29	2.2%
66.7%	1,306	1,335	28	2.2%
67.9%	1,241	1,306	65	5.2%
69.1%	1,241	1,302	61	4.9%
70.4%	1,237	1,297	60	4.8%
71.6%	1,223	1,228	5	0.4%
72.8%	1,207	1,216	8	0.7%
74.1%	1,180	1,156	-23	-2.0%
75.3%	1,177	1,088	-90	-7.6%
76.5%	1,172	1,084	-88	-7.5%
77.8%	1,057	1,049	-8	-0.8%
79.0%	1,034	1,047	14	1.3%
80.2%	998	1,046	48	4.8%
81.5%	988	1,029	41	4.1%
82.7%	971	1,022	51	5.3%
84.0%	968	966	-2	-0.2%
85.2%	964	951	-13	-1.4%
86.4%	924	916	-8	-0.9%
87.7%	863	816	-47	-5.5%
88.9%	816	804	-12	-1.5%
90.1%	728	703	-25	-3.4%
91.4%	636	623	-12	-1.9%
92.6%	632	623	-9	-1.4%
93.8%	616	597	-19	-3.2%
95.1%	592	587	-6	-1.0%
96.3%	500	572	72	14.4%
97.5%	446	563	117	26.3%
98.8%	436	532	96	22.0%
100.0%	357	500	143	40.2%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,975	0	0.0%
3.7%	1,975	1,975	0	0.0%
4.9%	1,975	1,975	0	0.0%
6.2%	1,975	1,975	0	0.0%
7.4%	1,975	1,975	0	0.0%
8.6%	1,975	1,975	0	0.0%
9.9%	1,975	1,975	0	0.0%
11.1%	1,975	1,975	0	0.0%
12.3%	1,975	1,975	0	0.0%
13.6%	1,975	1,975	0	0.0%
14.8%	1,975	1,975	0	0.0%
16.0%	1,975	1,975	0	0.0%
17.3%	1,975	1,975	0	0.0%
18.5%	1,975	1,960	-15	-0.7%
19.8%	1,968	1,933	-36	-1.8%
21.0%	1,867	1,855	-13	-0.7%
22.2%	1,866	1,848	-17	-0.9%
23.5%	1,820	1,791	-29	-1.6%
24.7%	1,810	1,781	-29	-1.6%
25.9%	1,784	1,780	-5	-0.3%
27.2%	1,778	1,776	-1	-0.1%
28.4%	1,764	1,744	-20	-1.1%
29.6%	1,746	1,731	-15	-0.9%
30.9%	1,731	1,672	-58	-3.4%
32.1%	1,691	1,661	-31	-1.8%
33.3%	1,681	1,657	-23	-1.4%
34.6%	1,672	1,651	-21	-1.3%
35.8%	1,659	1,640	-19	-1.2%
37.0%	1,635	1,638	3	0.2%
38.3%	1,632	1,623	-10	-0.6%
39.5%	1,495	1,475	-21	-1.4%
40.7%	1,481	1,472	-9	-0.6%
42.0%	1,445	1,458	14	0.9%
43.2%	1,439	1,451	11	0.8%
44.4%	1,433	1,441	8	0.6%
45.7%	1,432	1,423	-9	-0.6%
46.9%	1,418	1,406	-12	-0.8%
48.1%	1,415	1,403	-12	-0.8%
49.4%	1,405	1,389	-16	-1.1%
50.6%	1,398	1,389	-9	-0.7%
51.9%	1,387	1,383	-4	-0.3%
53.1%	1,376	1,366	-9	-0.7%
54.3%	1,362	1,361	-1	0.0%
55.6%	1,350	1,353	3	0.2%
56.8%	1,300	1,328	28	2.2%
58.0%	1,279	1,328	49	3.9%
59.3%	1,269	1,328	59	4.6%
60.5%	1,264	1,317	53	4.2%
61.7%	1,259	1,314	55	4.3%
63.0%	1,257	1,290	34	2.7%
64.2%	1,221	1,265	44	3.6%
65.4%	1,212	1,231	19	1.6%
66.7%	1,156	1,222	66	5.7%
67.9%	1,129	1,189	60	5.4%
69.1%	1,128	1,183	56	5.0%
70.4%	1,126	1,179	54	4.8%
71.6%	1,110	1,099	-11	-1.0%
72.8%	1,108	1,087	-22	-1.9%
74.1%	1,100	1,049	-50	-4.6%
75.3%	1,069	1,000	-69	-6.4%
76.5%	1,015	991	-25	-2.4%
77.8%	989	977	-11	-1.2%
79.0%	962	967	5	0.5%
80.2%	912	948	36	4.0%
81.5%	902	947	45	5.0%
82.7%	889	936	47	5.3%
84.0%	886	881	-5	-0.5%
85.2%	883	865	-18	-2.1%
86.4%	840	834	-6	-0.7%
87.7%	782	735	-47	-6.0%
88.9%	733	721	-12	-1.6%
90.1%	641	616	-25	-3.9%
91.4%	597	585	-12	-2.0%
92.6%	596	551	-45	-7.6%
93.8%	500	502	2	0.4%
95.1%	499	500	1	0.2%
96.3%	459	500	41	8.9%
97.5%	406	500	94	23.2%
98.8%	374	492	118	31.5%
100.0%	240	279	39	16.1%

Table SW-02-9a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
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 D	2,281	2,283	2,288	2,294	2,304	2,314	2,325	2,325	2,322	2,310	2,298	2,287
Difference	2	3	3	2	2	1	1	1	1	1	1	1
Percent Difference[3]	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Water Year Types[2]											
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 D	2,322	2,323	2,324	2,325	2,338	2,348	2,358	2,360	2,358	2,350	2,341	2,331
Difference	-1	0	0	1	1	1	0	0	0	0	-1	-1
Percent Difference	0.0%	0.0%	0.0%	0.1%	0.0%	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 D	2,307	2,307	2,309	2,305	2,319	2,334	2,345	2,346	2,344	2,335	2,323	2,311
Difference	2	2	2	7	6	5	4	4	4	4	2	2
Percent Difference	0.1%	0.1%	0.1%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%
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 D	2,275	2,278	2,286	2,281	2,289	2,298	2,314	2,313	2,310	2,298	2,286	2,277
Difference	0	1	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	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 D	2,261	2,263	2,273	2,284	2,292	2,304	2,316	2,312	2,306	2,291	2,277	2,266
Difference	2	2	2	1	1	0	0	-1	-1	-1	0	0
Percent Difference	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%
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 D	2,203	2,206	2,211	2,242	2,248	2,257	2,265	2,262	2,260	2,242	2,224	2,208
Difference	14	16	13	2	2	2	2	2	2	2	6	5
Percent Difference	0.6%	0.7%	0.6%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.3%	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-02-9b
Trinity Lake, End of Month Elevation
Probability of Exceedance

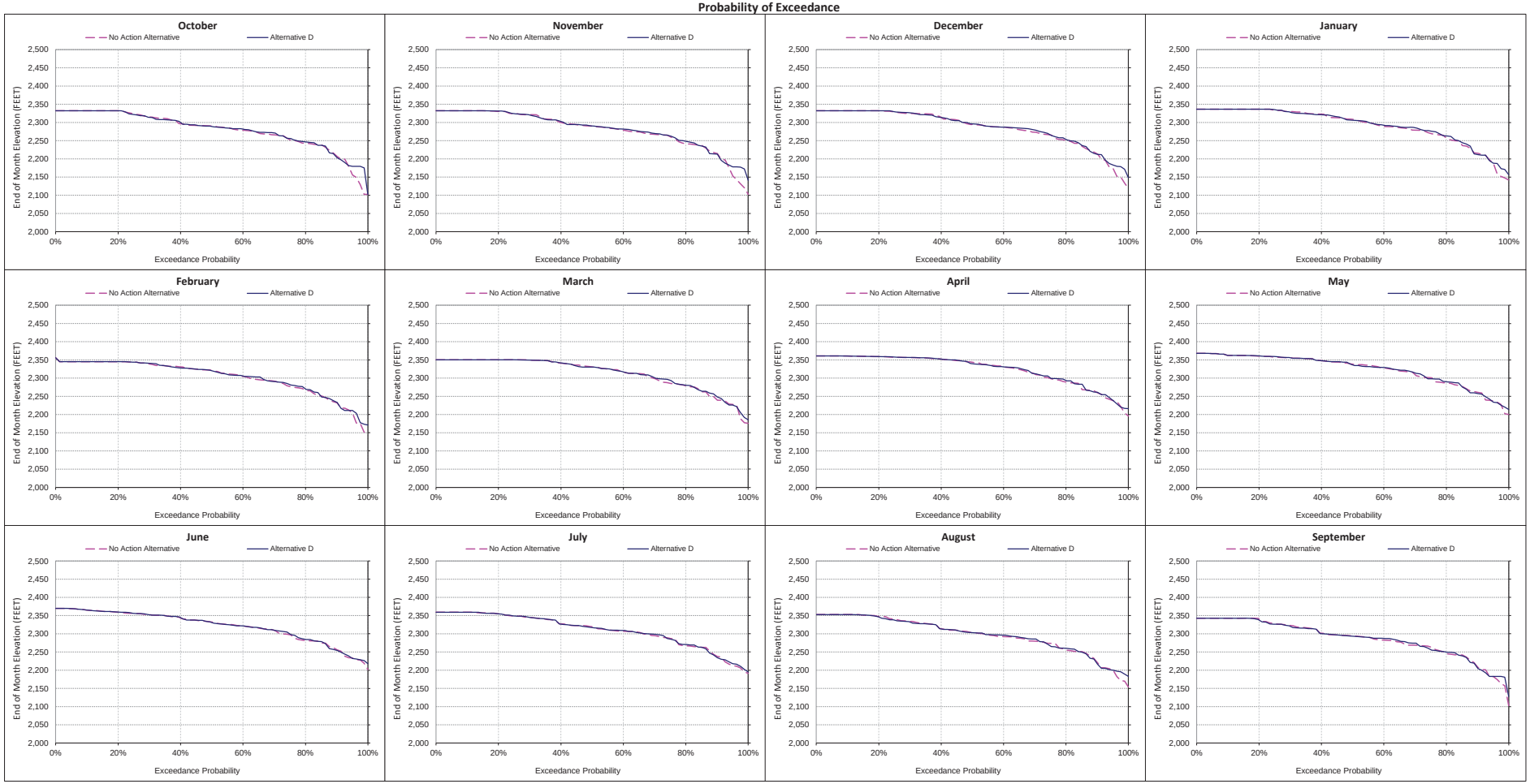

Table SW-02-9b

Trinity Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	2,329	1	0.0%
23.5%	2,326	2,324	-3	-0.1%
24.7%	2,324	2,322	-2	-0.1%
25.9%	2,322	2,321	-2	-0.1%
27.2%	2,321	2,318	-2	-0.1%
28.4%	2,317	2,318	1	0.0%
29.6%	2,315	2,315	-1	0.0%
30.9%	2,315	2,314	-1	0.0%
32.1%	2,313	2,309	-4	-0.2%
33.3%	2,311	2,308	-3	-0.1%
34.6%	2,311	2,308	-3	-0.1%
35.8%	2,310	2,307	-3	-0.1%
37.0%	2,307	2,307	0	0.0%
38.3%	2,306	2,306	0	0.0%
39.5%	2,297	2,303	6	0.3%
40.7%	2,296	2,295	-1	0.0%
42.0%	2,293	2,295	2	0.1%
43.2%	2,292	2,294	1	0.1%
44.4%	2,292	2,294	1	0.1%
45.7%	2,292	2,292	0	0.0%
46.9%	2,291	2,291	0	0.0%
48.1%	2,291	2,290	-1	0.0%
49.4%	2,290	2,290	-1	0.0%
50.6%	2,290	2,288	-2	-0.1%
51.9%	2,288	2,287	0	0.0%
53.1%	2,287	2,287	0	0.0%
54.3%	2,286	2,285	-1	0.0%
55.6%	2,285	2,284	-1	0.0%
56.8%	2,282	2,283	1	0.0%
58.0%	2,280	2,283	3	0.1%
59.3%	2,278	2,283	4	0.2%
60.5%	2,278	2,281	3	0.1%
61.7%	2,277	2,280	3	0.1%
63.0%	2,276	2,277	1	0.0%
64.2%	2,274	2,274	1	0.0%
65.4%	2,269	2,273	4	0.2%
66.7%	2,269	2,273	4	0.2%
67.9%	2,268	2,272	4	0.2%
69.1%	2,266	2,272	6	0.3%
70.4%	2,266	2,271	5	0.2%
71.6%	2,264	2,263	-1	0.0%
72.8%	2,263	2,263	-1	0.0%
74.1%	2,257	2,256	-1	0.0%
75.3%	2,251	2,256	5	0.2%
76.5%	2,250	2,251	1	0.0%
77.8%	2,248	2,250	2	0.1%
79.0%	2,243	2,248	4	0.2%
80.2%	2,243	2,245	3	0.1%
81.5%	2,242	2,245	3	0.2%
82.7%	2,240	2,245	5	0.2%
84.0%	2,239	2,237	-1	-0.1%
85.2%	2,238	2,237	-1	0.0%
86.4%	2,231	2,235	4	0.2%
87.7%	2,223	2,217	-7	-0.3%
88.9%	2,216	2,214	-2	-0.1%
90.1%	2,207	2,203	-4	-0.2%
91.4%	2,199	2,197	-2	-0.1%
92.6%	2,199	2,190	-9	-0.4%
93.8%	2,179	2,181	2	0.1%
95.1%	2,156	2,180	24	1.1%
96.3%	2,149	2,180	31	1.4%
97.5%	2,129	2,179	50	2.3%
98.8%	2,103	2,175	72	3.4%
100.0%	2,103	2,103	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	2,332	0	0.0%
19.8%	2,330	2,331	1	0.0%
21.0%	2,330	2,331	1	0.0%
22.2%	2,330	2,330	0	0.0%
23.5%	2,325	2,327	2	0.1%
24.7%	2,324	2,324	0	0.0%
25.9%	2,324	2,324	0	0.0%
27.2%	2,322	2,323	1	0.0%
28.4%	2,321	2,322	1	0.0%
29.6%	2,321	2,321	0	0.0%
30.9%	2,321	2,319	-2	-0.1%
32.1%	2,321	2,317	-5	-0.2%
33.3%	2,316	2,313	-3	-0.1%
34.6%	2,310	2,309	-1	0.0%
35.8%	2,309	2,307	-2	-0.1%
37.0%	2,309	2,307	-1	-0.1%
38.3%	2,307	2,307	0	0.0%
39.5%	2,301	2,305	4	0.2%
40.7%	2,298	2,301	3	0.1%
42.0%	2,298	2,295	-3	-0.1%
43.2%	2,296	2,294	-1	-0.1%
44.4%	2,295	2,294	0	0.0%
45.7%	2,293	2,294	1	0.0%
46.9%	2,292	2,293	1	0.1%
48.1%	2,291	2,293	2	0.1%
49.4%	2,291	2,291	0	0.0%
50.6%	2,289	2,290	1	0.0%
51.9%	2,288	2,289	1	0.0%
53.1%	2,287	2,288	1	0.0%
54.3%	2,286	2,287	0	0.0%
55.6%	2,284	2,286	2	0.1%
56.8%	2,283	2,284	0	0.0%
58.0%	2,282	2,283	0	0.0%
59.3%	2,279	2,282	3	0.1%
60.5%	2,278	2,282	3	0.1%
61.7%	2,276	2,281	5	0.2%
63.0%	2,275	2,279	4	0.2%
64.2%	2,274	2,277	3	0.1%
65.4%	2,274	2,275	1	0.1%
66.7%	2,271	2,275	4	0.2%
67.9%	2,268	2,274	5	0.2%
69.1%	2,268	2,271	3	0.1%
70.4%	2,267	2,269	2	0.1%
71.6%	2,266	2,269	3	0.1%
72.8%	2,265	2,266	0	0.0%
74.1%	2,265	2,265	0	0.0%
75.3%	2,260	2,262	3	0.1%
76.5%	2,255	2,258	2	0.1%
77.8%	2,247	2,251	3	0.2%
79.0%	2,243	2,250	7	0.3%
80.2%	2,241	2,248	7	0.3%
81.5%	2,241	2,246	5	0.2%
82.7%	2,239	2,244	5	0.2%
84.0%	2,238	2,237	0	0.0%
85.2%	2,237	2,235	-1	-0.1%
86.4%	2,229	2,233	3	0.1%
87.7%	2,221	2,214	-7	-0.3%
88.9%	2,218	2,214	-4	-0.2%
90.1%	2,215	2,213	-2	-0.1%
91.4%	2,199	2,196	-2	-0.1%
92.6%	2,197	2,188	-9	-0.4%
93.8%	2,176	2,183	7	0.3%
95.1%	2,153	2,178	25	1.2%
96.3%	2,143	2,178	35	1.6%
97.5%	2,131	2,177	46	2.2%
98.8%	2,120	2,172	52	2.4%
100.0%	2,103	2,141	38	1.8%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	0.0%
24.7%	2,329	2,330	1	0.0%
25.9%	2,327	2,328	1	0.0%
27.2%	2,326	2,328	2	0.1%
28.4%	2,325	2,327	2	0.1%
29.6%	2,325	2,327	2	0.1%
30.9%	2,324	2,325	1	0.0%
32.1%	2,324	2,324	-1	0.0%
33.3%	2,324	2,322	-3	-0.1%
34.6%	2,324	2,321	-2	-0.1%
35.8%	2,324	2,320	-3	-0.1%
37.0%	2,323	2,320	-3	-0.1%
38.3%	2,318	2,316	-2	-0.1%
39.5%	2,317	2,315	-2	-0.1%
40.7%	2,309	2,313	3	0.1%
42.0%	2,309	2,311	1	0.1%
43.2%	2,309	2,307	-2	-0.1%
44.4%	2,308	2,305	-3	-0.1%
45.7%	2,306	2,305	-1	0.0%
46.9%	2,301	2,300	-1	-0.1%
48.1%	2,297	2,300	3	0.1%
49.4%	2,295	2,296	2	0.1%
50.6%	2,294	2,296	2	0.1%
51.9%	2,293	2,295	2	0.1%
53.1%	2,293	2,292	-1	0.0%
54.3%	2,290	2,290	0	0.0%
55.6%	2,289	2,289	0	0.0%
56.8%	2,288	2,288	0	0.0%
58.0%	2,287	2,288	0	0.0%
59.3%	2,287	2,287	0	0.0%
60.5%	2,287	2,287	0	0.0%
61.7%	2,285	2,286	1	0.0%
63.0%	2,285	2,285	1	0.0%
64.2%	2,281	2,285	3	0.2%
65.4%	2,280	2,285	5	0.2%
66.7%	2,278	2,284	6	0.2%
67.9%	2,278	2,283	5	0.2%
69.1%	2,274	2,281	7	0.3%
70.4%	2,273	2,278	5	0.2%
71.6%	2,270	2,275	5	0.2%
72.8%	2,268	2,273	5	0.2%
74.1%	2,267	2,270	3	0.1%
75.3%	2,265	2,265	-1	0.0%
76.5%	2,256	2,261	5	0.2%
77.8%	2,253	2,258	4	0.2%
79.0%	2,253	2,258	5	0.2%
80.2%	2,249	2,252	3	0.1%
81.5%	2,248	2,250	2	0.1%
82.7%	2,243	2,248	6	0.3%
84.0%	2,243	2,244	2	0.1%
85.2%	2,234	2,237	2	0.1%
86.4%	2,228	2,234	6	0.3%
87.7%	2,223	2,221	-3	-0.1%
88.9%	2,219	2,215	-4	-0.2%
90.1%	2,213	2,212	-1	0.0%
91.4%	2,199	2,212	12	0.6%
92.6%	2,196	2,197	0	0.0%
93.8%	2,178	2,187	9	0.4%
95.1%	2,174	2,183	9	0.4%
96.3%	2,152	2,179	27	1.3%
97.5%	2,151	2,179	28	1.3%
98.8%	2,133	2,171	38	1.8%
100.0%	2,118	2,148	29	1.4%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,337	2,337	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,337	2,337	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,337	2,337	0	0.0%
19.8%	2,337	2,337	0	0.0%
21.0%	2,337	2,337	0	0.0%
22.2%	2,337	2,337	0	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,334	2,336	2	0.1%
25.9%	2,333	2,333	0	0.0%
27.2%	2,333	2,333	0	0.0%
28.4%	2,331	2,330	-1	0.0%
29.6%	2,330	2,329	-1	0.0%
30.9%	2,330	2,327	-3	-0.1%
32.1%	2,329	2,325	-4	-0.2%
33.3%	2,329	2,325	-4	-0.2%
34.6%	2,327	2,324	-3	-0.1%
35.8%	2,324	2,323	-1	0.0%
37.0%	2,324	2,323	-1	-0.1%
38.3%	2,323	2,322	-2	-0.1%
39.5%	2,323	2,322	-2	-0.1%
40.7%	2,323	2,321	-2	-0.1%
42.0%	2,316	2,321	4	0.2%
43.2%	2,314	2,318	5	0.2%
44.4%	2,313	2,316	3	0.1%
45.7%	2,313	2,315	2	0.1%
46.9%	2,311	2,311	0	0.0%
48.1%	2,309	2,307	-2	-0.1%
49.4%	2,309	2,306	-3	-0.1%
50.6%	2,308	2,305	-3	-0.1%
51.9%	2,305	2,305	0	0.0%
53.1%	2,302	2,304	2	0.1%
54.3%	2,300	2,303	2	0.1%
55.6%	2,300	2,298	-1	-0.1%
56.8%	2,296	2,297	0	0.0%
58.0%	2,293	2,295	2	0.1%
59.3%	2,290	2,293	3	0.1%
60.5%	2,289	2,292	3	0.1%
61.7%	2,288	2,291	3	0.1%
63.0%	2,288	2,290	2	0.1%
64.2%	2,287	2,289	2	0.1%
65.4%	2,285	2,287	2	0.1%
66.7%	2,284	2,286	2	0.1%
67.9%	2,282	2,286	4	0.2%
69.1%	2,279	2,286	7	0.3%
70.4%	2,279	2,285	6	0.3%
71.6%	2,278	2,282	3	0.1%
72.8%	2,277	2,278	1	0.1%
74.1%	2,272	2,278	5	0.2%
75.3%	2,269	2,276	7	0.3%
76.5%	2,267	2,274	7	0.3%
77.8%	2,266	2,269	3	0.1%
79.0%	2,265	2,264	-1	-0.1%
80.2%	2,255	2,263	9	0.4%
81.5%	2,252	2,261	9	0.4%
82.7%	2,250	2,253	3	0.1%
84.0%	2,249	2,250	1	0.0%
85.2%	2,237	2,244	8	0.3%
86.4%	2,235	2,241	6	0.3%
87.7%	2,229	2,235	6	0.3%
88.9%	2,217	2,214	-3	-0.1%
90.1%	2,215	2,212	-4	-0.2%
91.4%	2,212	2,210	-2	-0.1%
92.6%	2,210	2,210	0	0.0%
93.8%	2,197	2,195	-2	-0.1%
95.1%	2,189	2,188	0	0.0%
96.3%	2,159	2,187	28	1.3%
97.5%	2,152	2,173	21	1.0%
98.8%	2,147	2,171	23	1.1%
100.0%	2,142	2,156	15	0.7%

Table SW-02-9b

Trinity Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	2,344	0	0.0%
24.7%	2,344	2,344	0	0.0%
25.9%	2,344	2,344	0	0.0%
27.2%	2,341	2,342	1	0.0%
28.4%	2,341	2,342	1	0.0%
29.6%	2,339	2,341	2	0.1%
30.9%	2,338	2,340	2	0.1%
32.1%	2,335	2,340	5	0.2%
33.3%	2,334	2,335	1	0.0%
34.6%	2,334	2,334	0	0.0%
35.8%	2,333	2,333	0	0.0%
37.0%	2,333	2,331	-2	-0.1%
38.3%	2,333	2,329	-3	-0.1%
39.5%	2,331	2,328	-3	-0.1%
40.7%	2,330	2,328	-3	-0.1%
42.0%	2,327	2,327	1	0.0%
43.2%	2,326	2,326	0	0.0%
44.4%	2,325	2,325	0	0.0%
45.7%	2,325	2,324	-1	0.0%
46.9%	2,323	2,324	1	0.1%
48.1%	2,323	2,323	1	0.0%
49.4%	2,323	2,321	-1	-0.1%
50.6%	2,319	2,319	0	0.0%
51.9%	2,318	2,316	-2	-0.1%
53.1%	2,314	2,313	0	0.0%
54.3%	2,313	2,311	-2	-0.1%
55.6%	2,311	2,309	-2	-0.1%
56.8%	2,310	2,308	-2	-0.1%
58.0%	2,309	2,308	-2	-0.1%
59.3%	2,305	2,308	3	0.1%
60.5%	2,305	2,305	0	0.0%
61.7%	2,301	2,305	4	0.2%
63.0%	2,297	2,304	6	0.3%
64.2%	2,296	2,303	7	0.3%
65.4%	2,295	2,303	8	0.3%
66.7%	2,294	2,296	2	0.1%
67.9%	2,293	2,293	-1	0.0%
69.1%	2,293	2,291	-2	-0.1%
70.4%	2,291	2,290	-1	0.0%
71.6%	2,288	2,289	2	0.1%
72.8%	2,286	2,288	3	0.1%
74.1%	2,279	2,286	6	0.3%
75.3%	2,276	2,281	5	0.2%
76.5%	2,274	2,280	5	0.2%
77.8%	2,273	2,277	4	0.2%
79.0%	2,271	2,277	5	0.2%
80.2%	2,265	2,269	3	0.2%
81.5%	2,265	2,268	3	0.1%
82.7%	2,257	2,262	4	0.2%
84.0%	2,252	2,260	8	0.4%
85.2%	2,251	2,248	-3	-0.1%
86.4%	2,246	2,247	0	0.0%
87.7%	2,239	2,244	5	0.2%
88.9%	2,235	2,238	3	0.1%
90.1%	2,232	2,234	1	0.1%
91.4%	2,218	2,217	-1	0.0%
92.6%	2,218	2,211	-6	-0.3%
93.8%	2,213	2,211	-2	-0.1%
95.1%	2,205	2,211	6	0.3%
96.3%	2,176	2,204	27	1.3%
97.5%	2,176	2,177	2	0.1%
98.8%	2,152	2,173	21	1.0%
100.0%	2,146	2,171	25	1.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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%	2,350	2,349	-1	0.0%
30.9%	2,349	2,349	0	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%	2,348	2,348	0	0.0%
37.0%	2,345	2,344	-1	0.0%
38.3%	2,344	2,344	1	0.0%
39.5%	2,341	2,343	1	0.1%
40.7%	2,340	2,341	0	0.0%
42.0%	2,339	2,340	0	0.0%
43.2%	2,338	2,338	0	0.0%
44.4%	2,336	2,335	-1	-0.1%
45.7%	2,336	2,331	-4	-0.2%
46.9%	2,334	2,331	-3	-0.1%
48.1%	2,333	2,330	-2	-0.1%
49.4%	2,332	2,330	-1	-0.1%
50.6%	2,330	2,330	0	0.0%
51.9%	2,329	2,329	-1	0.0%
53.1%	2,327	2,326	-1	0.0%
54.3%	2,325	2,326	1	0.0%
55.6%	2,324	2,325	1	0.1%
56.8%	2,323	2,322	-1	0.0%
58.0%	2,323	2,320	-3	-0.1%
59.3%	2,318	2,319	1	0.0%
60.5%	2,315	2,316	1	0.0%
61.7%	2,314	2,313	0	0.0%
63.0%	2,313	2,313	1	0.0%
64.2%	2,313	2,313	0	0.0%
65.4%	2,312	2,310	-3	-0.1%
66.7%	2,311	2,309	-2	-0.1%
67.9%	2,303	2,309	5	0.2%
69.1%	2,301	2,305	4	0.2%
70.4%	2,298	2,300	2	0.1%
71.6%	2,292	2,298	6	0.3%
72.8%	2,289	2,297	9	0.4%
74.1%	2,288	2,297	9	0.4%
75.3%	2,285	2,293	8	0.4%
76.5%	2,284	2,285	1	0.0%
77.8%	2,283	2,283	0	0.0%
79.0%	2,281	2,282	1	0.0%
80.2%	2,278	2,281	2	0.1%
81.5%	2,276	2,280	4	0.2%
82.7%	2,276	2,274	-1	-0.1%
84.0%	2,271	2,268	-3	-0.1%
85.2%	2,262	2,264	2	0.1%
86.4%	2,262	2,264	2	0.1%
87.7%	2,249	2,259	9	0.4%
88.9%	2,249	2,257	8	0.3%
90.1%	2,239	2,248	8	0.4%
91.4%	2,239	2,244	5	0.2%
92.6%	2,237	2,233	-4	-0.2%
93.8%	2,229	2,226	-3	-0.1%
95.1%	2,228	2,226	-2	-0.1%
96.3%	2,226	2,222	-4	-0.2%
97.5%	2,188	2,206	17	0.8%
98.8%	2,178	2,192	14	0.7%
100.0%	2,176	2,186	10	0.5%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	2,360	0	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	2,359	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	0.0%
24.7%	2,357	2,358	0	0.0%
25.9%	2,357	2,357	0	0.0%
27.2%	2,357	2,357	0	0.0%
28.4%	2,357	2,357	0	0.0%
29.6%	2,357	2,357	0	0.0%
30.9%	2,356	2,357	0	0.0%
32.1%	2,356	2,357	0	0.0%
33.3%	2,356	2,356	0	0.0%
34.6%	2,355	2,356	0	0.0%
35.8%	2,355	2,355	0	0.0%
37.0%	2,354	2,355	2	0.1%
38.3%	2,353	2,354	0	0.0%
39.5%	2,353	2,352	-1	0.0%
40.7%	2,351	2,351	0	0.0%
42.0%	2,350	2,351	0	0.0%
43.2%	2,350	2,351	0	0.0%
44.4%	2,348	2,350	2	0.1%
45.7%	2,348	2,348	0	0.0%
46.9%	2,348	2,347	-1	0.0%
48.1%	2,345	2,346	2	0.1%
49.4%	2,345	2,340	-4	-0.2%
50.6%	2,343	2,339	-4	-0.2%
51.9%	2,342	2,338	-4	-0.2%
53.1%	2,338	2,337	-1	0.0%
54.3%	2,338	2,337	-1	0.0%
55.6%	2,336	2,335	0	0.0%
56.8%	2,335	2,332	-3	-0.1%
58.0%	2,333	2,332	-1	-0.1%
59.3%	2,333	2,332	-1	-0.1%
60.5%	2,330	2,331	1	0.1%
61.7%	2,329	2,329	0	0.0%
63.0%	2,328	2,329	1	0.1%
64.2%	2,325	2,329	4	0.2%
65.4%	2,323	2,326	3	0.1%
66.7%	2,320	2,323	3	0.1%
67.9%	2,316	2,321	5	0.2%
69.1%	2,314	2,313	-2	-0.1%
70.4%	2,309	2,312	2	0.1%
71.6%	2,309	2,309	0	0.0%
72.8%	2,302	2,306	4	0.2%
74.1%	2,301	2,306	4	0.2%
75.3%	2,298	2,299	1	0.0%
76.5%	2,295	2,299	3	0.1%
77.8%	2,295	2,298	4	0.2%
79.0%	2,291	2,297	6	0.3%
80.2%	2,289	2,292	4	0.2%
81.5%	2,287	2,292	5	0.2%
82.7%	2,287	2,284	-2	-0.1%
84.0%	2,286	2,283	-2	-0.1%
85.2%	2,268	2,283	15	0.7%
86.4%	2,268	2,267	-1	0.0%
87.7%	2,266	2,265	-1	-0.1%
88.9%	2,266	2,261	-4	-0.2%
90.1%	2,259	2,261	2	0.1%
91.4%	2,256	2,255	-1	0.0%
92.6%	2,246	2,254	8	0.4%
93.8%	2,242	2,247	5	0.2%
95.1%	2,238	2,238	0	0.0%
96.3%	2,236	2,229	-7	-0.3%
97.5%	2,222	2,220	-2	-0.1%
98.8%	2,204	2,217	13	0.6%
100.0%	2,196	2,216	20	0.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,368	2,368	0	0.0%
3.7%	2,368	2,368	0	0.0%
4.9%	2,368	2,368	0	0.0%
6.2%	2,368	2,368	0	0.0%
7.4%	2,366	2,366	0	0.0%
8.6%	2,366	2,366	0	0.0%
9.9%	2,363	2,363	0	0.0%
11.1%	2,363	2,363	0	0.0%
12.3%	2,362	2,362	0	0.0%
13.6%	2,362	2,362	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,362	2,362	0	0.0%
17.3%	2,362	2,362	0	0.0%
18.5%	2,361	2,361	0	0.0%
19.8%	2,361	2,361	1	0.0%
21.0%	2,360	2,361	1	0.0%
22.2%	2,360	2,360	0	0.0%
23.5%	2,359	2,359	0	0.0%
24.7%	2,358	2,359	2	0.1%
25.9%	2,357	2,359	1	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,356	2,356	0	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,355	0	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,354	2,354	0	0.0%
34.6%	2,354	2,354	0	0.0%
35.8%	2,354	2,354	0	0.0%
37.0%	2,353	2,353	-1	0.0%
38.3%	2,349	2,349	0	0.0%
39.5%	2,348	2,348	0	0.0%
40.7%	2,347	2,347	0	0.0%
42.0%	2,347	2,346	-1	0.0%
43.2%	2,345	2,345	1	0.0%
44.4%	2,344	2,345	1	0.0%
45.7%	2,344	2,345	1	0.0%
46.9%	2,341	2,344	3	0.1%
48.1%	2,341	2,344	3	0.1%
49.4%	2,339	2,338	-1	0.0%
50.6%	2,337	2,335	-3	-0.1%
51.9%	2,337	2,334	-2	-0.1%
53.1%	2,337	2,332	-5	-0.2%
54.3%	2,336	2,332	-4	-0.2%
55.6%	2,335	2,331	-4	-0.2%
56.8%	2,333	2,330	-3	-0.1%
58.0%	2,331	2,329	-2	-0.1%
59.3%	2,328	2,329	1	0.1%
60.5%	2,328	2,329	1	0.1%
61.7%	2,326	2,327	2	0.1%
63.0%	2,324	2,325	0	0.0%
64.2%	2,321	2,323	2	0.1%
65.4%	2,319	2,322	3	0.1%
66.7%	2,319	2,321	3	0.1%
67.9%	2,317	2,320	2	0.1%
69.1%	2,316	2,317	0	0.0%
70.4%	2,306	2,313	7	0.3%
71.6%	2,304	2,312	8	0.3%
72.8%	2,302	2,306	4	0.2%
74.1%	2,302	2,298	-3	-0.2%
75.3%	2,301	2,298	-3	-0.1%
76.5%	2,290	2,298	8	0.4%
77.8%	2,289	2,298	9	0.4%
79.0%	2,287	2,291	4	0.2%
80.2%	2,287	2,290	3	0.1%
81.5%	2,286	2,289	4	0.2%
82.7%	2,282	2,288	6	0.3%
84.0%	2,280	2,287	7	0.3%
85.2%	2,277	2,276	-1	-0.1%
86.4%	2,271	2,270	-1	-0.1%
87.7%	2,265	2,260	-5	-0.2%
88.9%	2,263	2,259	-4	-0.2%
90.1%	2,261	2,258	-3	-0.1%
91.4%	2,259	2,256	-3	-0.1%
92.6%	2,240	2,249	9	0.4%
93.8%	2,239	2,242	3	0.1%
95.1%	2,237	2,234	-3	-0.1%
96.3%	2,234	2,233	-2	-0.1%
97.5%	2,227	2,226	-2	-0.1%
98.8%	2,202	2,220	18	0.8%
100.0%	2,200	2,214	14	0.6%

Table SW-02-9b

Trinity Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	2,363	-1	0.0%
13.6%	2,363	2,363	-1	0.0%
14.8%	2,362	2,361	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	0	0.0%
19.8%	2,359	2,360	1	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,357	2,359	2	0.1%
23.5%	2,356	2,358	2	0.1%
24.7%	2,356	2,356	0	0.0%
25.9%	2,356	2,356	0	0.0%
27.2%	2,355	2,355	0	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	2,348	-1	0.0%
37.0%	2,347	2,348	0	0.0%
38.3%	2,346	2,348	2	0.1%
39.5%	2,346	2,346	0	0.0%
40.7%	2,341	2,341	0	0.0%
42.0%	2,341	2,338	-2	-0.1%
43.2%	2,338	2,338	0	0.0%
44.4%	2,338	2,337	-1	0.0%
45.7%	2,336	2,337	1	0.0%
46.9%	2,335	2,337	2	0.1%
48.1%	2,334	2,334	0	0.0%
49.4%	2,333	2,333	0	0.0%
50.6%	2,331	2,329	-2	-0.1%
51.9%	2,328	2,327	-1	0.0%
53.1%	2,327	2,327	0	0.0%
54.3%	2,326	2,326	0	0.0%
55.6%	2,326	2,325	-1	0.0%
56.8%	2,325	2,324	-1	-0.1%
58.0%	2,323	2,322	-1	0.0%
59.3%	2,322	2,322	0	0.0%
60.5%	2,320	2,322	1	0.0%
61.7%	2,320	2,319	-1	0.0%
63.0%	2,318	2,318	-1	0.0%
64.2%	2,317	2,318	0	0.0%
65.4%	2,315	2,317	2	0.1%
66.7%	2,314	2,314	0	0.0%
67.9%	2,314	2,312	-2	-0.1%
69.1%	2,312	2,311	0	0.0%
70.4%	2,309	2,309	0	0.0%
71.6%	2,301	2,308	6	0.3%
72.8%	2,300	2,306	6	0.3%
74.1%	2,299	2,305	6	0.3%
75.3%	2,297	2,298	1	0.0%
76.5%	2,288	2,296	8	0.3%
77.8%	2,284	2,289	5	0.2%
79.0%	2,283	2,286	4	0.2%
80.2%	2,281	2,284	3	0.1%
81.5%	2,281	2,284	3	0.1%
82.7%	2,281	2,281	0	0.0%
84.0%	2,280	2,279	0	0.0%
85.2%	2,274	2,279	4	0.2%
86.4%	2,274	2,273	-1	-0.1%
87.7%	2,265	2,260	-5	-0.2%
88.9%	2,262	2,257	-5	-0.2%
90.1%	2,256	2,254	-1	-0.1%
91.4%	2,252	2,249	-3	-0.1%
92.6%	2,238	2,244	6	0.3%
93.8%	2,234	2,239	5	0.2%
95.1%	2,234	2,232	-2	-0.1%
96.3%	2,229	2,231	2	0.1%
97.5%	2,228	2,229	0	0.0%
98.8%	2,219	2,226	7	0.3%
100.0%	2,202	2,218	16	0.7%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	1	0.0%
14.8%	2,358	2,357	-1	0.0%
16.0%	2,357	2,357	-1	0.0%
17.3%	2,357	2,357	0	0.0%
18.5%	2,357	2,356	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	2,351	0	0.0%
23.5%	2,350	2,351	2	0.1%
24.7%	2,349	2,349	0	0.0%
25.9%	2,349	2,349	0	0.0%
27.2%	2,349	2,349	0	0.0%
28.4%	2,346	2,348	2	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	2,341	0	0.0%
35.8%	2,339	2,340	1	0.0%
37.0%	2,339	2,339	0	0.0%
38.3%	2,336	2,338	2	0.1%
39.5%	2,327	2,327	0	0.0%
40.7%	2,327	2,325	-2	-0.1%
42.0%	2,325	2,325	0	0.0%
43.2%	2,323	2,324	1	0.0%
44.4%	2,323	2,323	0	0.0%
45.7%	2,323	2,323	0	0.0%
46.9%	2,322	2,321	-2	-0.1%
48.1%	2,322	2,319	-3	-0.1%
49.4%	2,320	2,318	-2	-0.1%
50.6%	2,319	2,316	-3	-0.1%
51.9%	2,314	2,316	2	0.1%
53.1%	2,313	2,315	2	0.1%
54.3%	2,312	2,312	0	0.0%
55.6%	2,310	2,310	0	0.0%
56.8%	2,309	2,310	1	0.0%
58.0%	2,308	2,310	2	0.1%
59.3%	2,307	2,309	2	0.1%
60.5%	2,307	2,309	2	0.1%
61.7%	2,307	2,306	0	0.0%
63.0%	2,306	2,306	0	0.0%
64.2%	2,306	2,303	-2	-0.1%
65.4%	2,303	2,302	-1	0.0%
66.7%	2,299	2,301	1	0.1%
67.9%	2,299	2,300	1	0.0%
69.1%	2,295	2,299	4	0.2%
70.4%	2,295	2,298	4	0.2%
71.6%	2,292	2,297	5	0.2%
72.8%	2,290	2,295	5	0.2%
74.1%	2,289	2,287	-2	-0.1%
75.3%	2,287	2,285	-2	-0.1%
76.5%	2,287	2,282	-4	-0.2%
77.8%	2,270	2,273	2	0.1%
79.0%	2,268	2,271	3	0.1%
80.2%	2,267	2,270	3	0.2%
81.5%	2,266	2,269	3	0.1%
82.7%	2,265	2,269	4	0.2%
84.0%	2,265	2,263	-1	-0.1%
85.2%	2,263	2,263	0	0.0%
86.4%	2,263	2,259	-4	-0.2%
87.7%	2,253	2,247	-5	-0.2%
88.9%	2,244	2,242	-1	-0.1%
90.1%	2,238	2,234	-4	-0.2%
91.4%	2,236	2,230	-6	-0.3%
92.6%	2,223	2,229	6	0.3%
93.8%	2,217	2,223	6	0.3%
95.1%	2,213	2,218	5	0.2%
96.3%	2,211	2,216	6	0.3%
97.5%	2,206	2,211	5	0.2%
98.8%	2,195	2,202	7	0.3%
100.0%	2,191	2,195	4	0.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	2,352	0	0.0%
16.0%	2,351	2,351	0	0.0%
17.3%	2,350	2,351	1	0.0%
18.5%	2,350	2,349	-1	-0.1%
19.8%	2,348	2,347	-1	0.0%
21.0%	2,348	2,343	-5	-0.2%
22.2%	2,347	2,341	-5	-0.2%
23.5%	2,341	2,339	-3	-0.1%
24.7%	2,341	2,339	-2	-0.1%
25.9%	2,339	2,336	-3	-0.1%
27.2%	2,336	2,335	-1	0.0%
28.4%	2,336	2,334	-1	-0.1%
29.6%	2,334	2,334	0	0.0%
30.9%	2,334	2,329	-4	-0.2%
32.1%	2,331	2,329	-3	-0.1%
33.3%	2,329	2,328	-2	-0.1%
34.6%	2,329	2,328	-1	0.0%
35.8%	2,328	2,327	-1	0.0%
37.0%	2,326	2,326	0	0.0%
38.3%	2,326	2,325	-1	0.0%
39.5%	2,314	2,315	0	0.0%
40.7%	2,313	2,312	0	0.0%
42.0%	2,310	2,312	2	0.1%
43.2%	2,310	2,311	1	0.1%
44.4%	2,310	2,310	0	0.0%
45.7%	2,310	2,308	-2	-0.1%
46.9%	2,307	2,305	-2	-0.1%
48.1%	2,307	2,304	-2	-0.1%
49.4%	2,304	2,304	0	0.0%
50.6%	2,303	2,303	-1	0.0%
51.9%	2,302	2,302	1	0.0%
53.1%	2,300	2,302	1	0.1%
54.3%	2,299	2,298	-2	-0.1%
55.6%	2,296	2,298	1	0.1%
56.8%	2,295	2,297	2	0.1%
58.0%	2,293	2,297	4	0.2%
59.3%	2,293	2,297	4	0.2%
60.5%	2,292	2,296	4	0.2%
61.7%	2,292	2,294	3	0.1%
63.0%	2,292	2,293	1	0.0%
64.2%	2,288	2,292	4	0.2%
65.4%	2,288	2,290	2	0.1%
66.7%	2,286	2,289	2	0.1%
67.9%	2,280	2,286	6	0.3%
69.1%	2,280	2,286	6	0.3%
70.4%	2,280	2,285	6	0.3%
71.6%	2,278	2,279	1	0.0%
72.8%	2,277	2,278	1	0.0%
74.1%	2,274	2,272	-2	-0.1%
75.3%	2,274	2,265	-9	-0.4%
76.5%	2,273	2,264	-9	-0.4%
77.8%	2,262	2,261	-1	0.0%
79.0%	2,259	2,260	2	0.1%
80.2%	2,255	2,260	5	0.2%
81.5%	2,254	2,258	5	0.2%
82.7%	2,252	2,258	6	0.3%
84.0%	2,251	2,251	0	0.0%
85.2%	2,251	2,249	-1	-0.1%
86.4%	2,246	2,245	-1	0.0%
87.7%	2,239	2,233	-7	-0.3%
88.9%	2,233	2,231	-2	-0.1%
90.1%	2,220	2,217	-4	-0.2%
91.4%	2,207	2,205	-2	-0.1%
92.6%	2,206	2,205	-1	-0.1%
93.8%	2,204	2,201	-3	-0.1%
95.1%	2,201	2,200	-1	0.0%
96.3%	2,183	2,197	15	0.7%
97.5%	2,172	2,196	24	1.1%
98.8%	2,170	2,189	20	0.9%
100.0%	2,154	2,183	29	1.4%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,343	0	0.0%
1.2%	2,343	2,343	0	0.0%
2.5%	2,343	2,343	0	0.0%
3.7%	2,343	2,343	0	0.0%
4.9%	2,343	2,343	0	0.0%
6.2%	2,343	2,343	0	0.0%
7.4%	2,343	2,343	0	0.0%
8.6%	2,343	2,343	0	0.0%
9.9%	2,343	2,343	0	0.0%
11.1%	2,343	2,343	0	0.0%
12.3%	2,343	2,343	0	0.0%
13.6%	2,343	2,343	0	0.0%
14.8%	2,343	2,343	0	0.0%
16.0%	2,343	2,343	0	0.0%
17.3%	2,343	2,343	0	0.0%
18.5%	2,343	2,342	-1	-0.1%
19.8%	2,342	2,339	-3	-0.1%
21.0%	2,334	2,333	-1	0.0%
22.2%	2,334	2,332	-1	-0.1%
23.5%	2,330	2,327	-2	-0.1%
24.7%	2,329	2,326	-2	-0.1%
25.9%	2,327	2,326	0	0.0%
27.2%	2,326	2,326	0	0.0%
28.4%	2,325	2,323	-2	-0.1%
29.6%	2,323	2,322	-1	-0.1%
30.9%	2,322	2,317	-5	-0.2%
32.1%	2,319	2,316	-3	-0.1%
33.3%	2,318	2,316	-2	-0.1%
34.6%	2,317	2,315	-2	-0.1%
35.8%	2,316	2,314	-2	-0.1%
37.0%	2,314	2,314	0	0.0%
38.3%	2,314	2,313	-1	0.0%
39.5%	2,302	2,300	-2	-0.1%
40.7%	2,301	2,300	-1	0.0%
42.0%	2,298	2,299	1	0.1%
43.2%	2,297	2,298	1	0.0%
44.4%	2,297	2,298	1	0.0%
45.7%	2,297	2,296	-1	0.0%
46.9%	2,296	2,295	-1	0.0%
48.1%	2,295	2,294	-1	0.0%
49.4%	2,295	2,293	-1	-0.1%
50.6%	2,294	2,293	-1	0.0%
51.9%	2,293	2,293	0	0.0%
53.1%	2,292	2,291	-1	0.0%
54.3%	2,291	2,291	0	0.0%
55.6%	2,290	2,290	0	0.0%
56.8%	2,286	2,288	2	0.1%
58.0%	2,284	2,288	4	0.2%
59.3%	2,283	2,288	5	0.2%
60.5%	2,282	2,287	5	0.2%
61.7%	2,282	2,287	5	0.2%
63.0%	2,282	2,285	3	0.1%
64.2%	2,278	2,282	4	0.2%
65.4%	2,277	2,279	2	0.1%
66.7%	2,272	2,278	7	0.3%
67.9%	2,269	2,275	6	0.3%
69.1%	2,269	2,274	6	0.2%
70.4%	2,269	2,274	5	0.2%
71.6%	2,267	2,266	-1	0.0%
72.8%	2,267	2,265	-2	-0.1%
74.1%	2,266	2,261	-5	-0.2%
75.3%	2,263	2,255	-8	-0.3%
76.5%	2,257	2,254	-3	-0.1%
77.8%	2,254	2,252	-1	-0.1%
79.0%	2,251	2,251	1	0.0%
80.2%	2,245	2,249	4	0.2%
81.5%	2,244	2,249	5	0.2%
82.7%	2,242	2,248	5	0.2%
84.0%	2,242	2,241	-1	0.0%
85.2%	2,242	2,240	-2	-0.1%
86.4%	2,236	2,235	-1	0.0%
87.7%	2,228	2,221	-7	-0.3%
88.9%	2,221	2,219	-2	-0.1%
90.1%	2,208	2,204	-4	-0.2%
91.4%	2,201	2,200	-2	-0.1%
92.6%	2,201	2,193	-8	-0.4%
93.8%	2,183	2,183	0	0.0%
95.1%	2,182	2,183	0	0.0%
96.3%	2,174	2,183	8	0.4%
97.5%	2,164	2,183	19	0.9%
98.8%	2,157	2,181	24	1.1%
100.0%	2,103	2,128	25	1.2%

Table SW-03-9a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
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 D	10,671	10,758	11,055	11,396	11,956	12,569	13,277	13,245	13,069	12,368	11,631	10,986
Difference	90	122	121	105	89	62	57	57	49	32	37	31
Percent Difference[3]	0.9%	1.1%	1.1%	0.9%	0.7%	0.5%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%
	Water Year Types[2]											
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 D	13,030	13,088	13,175	13,196	13,948	14,529	15,244	15,384	15,280	14,750	14,181	13,534
Difference	-36	-23	-14	80	58	37	27	30	25	19	-35	-37
Percent Difference	-0.3%	-0.2%	-0.1%	0.6%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	-0.2%	-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 D	12,136	12,129	12,292	12,080	12,859	13,700	14,452	14,492	14,381	13,831	13,079	12,428
Difference	106	132	151	337	324	283	266	254	255	237	126	145
Percent Difference	0.9%	1.1%	1.2%	2.9%	2.6%	2.1%	1.9%	1.8%	1.8%	1.7%	1.0%	1.2%
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 D	10,251	10,469	10,914	10,710	11,126	11,640	12,580	12,536	12,338	11,622	10,932	10,353
Difference	-1	37	26	15	12	9	21	20	21	-27	-4	2
Percent Difference	0.0%	0.4%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	-0.2%	0.0%	0.0%
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 D	9,388	9,492	10,115	10,844	11,286	11,967	12,661	12,419	12,101	11,248	10,351	9,700
Difference	68	115	127	52	24	-25	-36	-34	-57	-93	-32	-15
Percent Difference	0.7%	1.2%	1.3%	0.5%	0.2%	-0.2%	-0.3%	-0.3%	-0.5%	-0.8%	-0.3%	-0.2%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	8,332	8,605	9,087	9,476	9,333	9,188	8,183	7,137	6,522
Alternative D	6,510	6,574	6,798	8,442	8,712	9,175	9,573	9,430	9,274	8,294	7,392	6,691
Difference	487	534	485	111	107	88	97	97	87	111	255	169
Percent Difference	8.1%	8.8%	7.7%	1.3%	1.2%	1.0%	1.0%	1.0%	0.9%	1.4%	3.6%	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-03-9b
Trinity Lake, End of Month Area
Probability of Exceedance

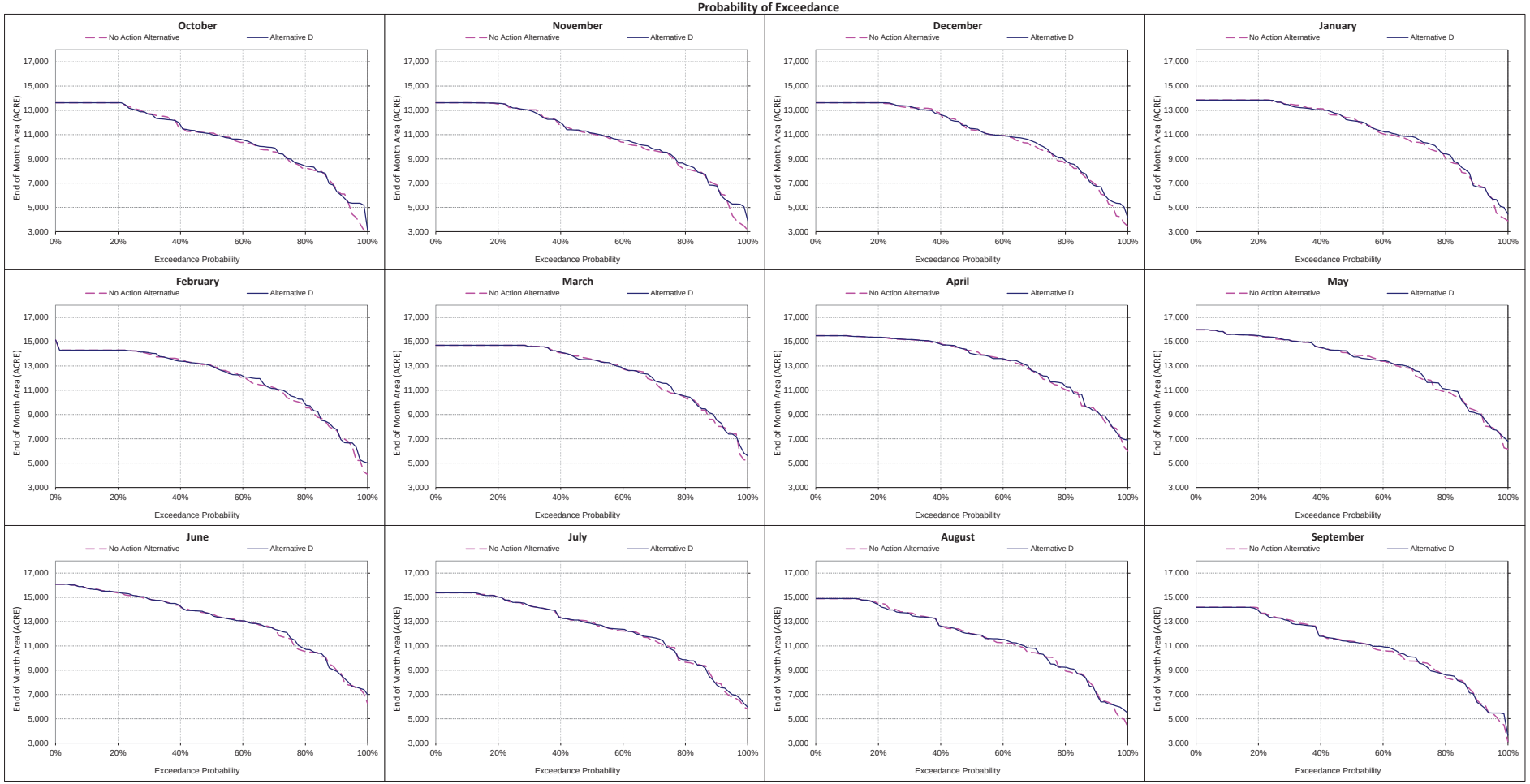

Table SW-03-9b

Trinity Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	13,468	35	0.3%
23.5%	13,316	13,183	-132	-1.0%
24.7%	13,198	13,089	-109	-0.8%
25.9%	13,095	13,008	-87	-0.7%
27.2%	13,015	12,889	-126	-1.0%
28.4%	12,826	12,887	61	0.5%
29.6%	12,735	12,689	-46	-0.4%
30.9%	12,689	12,638	-51	-0.4%
32.1%	12,584	12,345	-240	-1.9%
33.3%	12,522	12,310	-212	-1.7%
34.6%	12,513	12,288	-225	-1.8%
35.8%	12,455	12,233	-222	-1.8%
37.0%	12,208	12,214	7	0.1%
38.3%	12,186	12,153	-33	-0.3%
39.5%	11,561	11,981	421	3.6%
40.7%	11,512	11,456	-57	-0.5%
42.0%	11,274	11,430	156	1.4%
43.2%	11,257	11,350	93	0.8%
44.4%	11,243	11,341	98	0.9%
45.7%	11,209	11,204	-5	0.0%
46.9%	11,188	11,167	-21	-0.2%
48.1%	11,159	11,113	-46	-0.4%
49.4%	11,129	11,080	-49	-0.4%
50.6%	11,119	10,961	-159	-1.4%
51.9%	10,941	10,928	-12	-0.1%
53.1%	10,897	10,874	-22	-0.2%
54.3%	10,807	10,768	-39	-0.4%
55.6%	10,780	10,720	-60	-0.6%
56.8%	10,560	10,625	66	0.6%
58.0%	10,448	10,625	177	1.7%
59.3%	10,357	10,618	261	2.5%
60.5%	10,355	10,521	166	1.6%
61.7%	10,290	10,447	157	1.5%
63.0%	10,214	10,282	68	0.7%
64.2%	10,075	10,110	35	0.4%
65.4%	9,799	10,028	229	2.3%
66.7%	9,746	10,012	266	2.7%
67.9%	9,736	9,967	230	2.4%
69.1%	9,601	9,953	352	3.7%
70.4%	9,570	9,884	314	3.3%
71.6%	9,472	9,428	-44	-0.5%
72.8%	9,431	9,379	-52	-0.6%
74.1%	9,054	9,018	-35	-0.4%
75.3%	8,699	8,984	285	3.3%
76.5%	8,658	8,698	40	0.5%
77.8%	8,507	8,622	115	1.4%
79.0%	8,242	8,504	262	3.2%
80.2%	8,231	8,379	147	1.8%
81.5%	8,169	8,371	202	2.5%
82.7%	8,058	8,329	271	3.4%
84.0%	7,986	7,924	-62	-0.8%
85.2%	7,965	7,917	-47	-0.6%
86.4%	7,642	7,808	166	2.2%
87.7%	7,259	6,940	-320	-4.4%
88.9%	6,913	6,833	-80	-1.2%
90.1%	6,463	6,294	-169	-2.6%
91.4%	6,120	6,027	-92	-1.5%
92.6%	6,101	5,747	-354	-5.8%
93.8%	5,334	5,418	84	1.6%
95.1%	4,426	5,352	926	20.9%
96.3%	4,168	5,348	1,180	28.3%
97.5%	3,652	5,334	1,682	46.1%
98.8%	3,120	5,171	2,051	65.7%
100.0%	3,120	3,120	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	13,603	7	0.1%
18.5%	13,579	13,596	16	0.1%
19.8%	13,525	13,579	54	0.4%
21.0%	13,525	13,566	41	0.3%
22.2%	13,512	13,516	4	0.0%
23.5%	13,242	13,344	101	0.8%
24.7%	13,192	13,201	10	0.1%
25.9%	13,188	13,172	-17	-0.1%
27.2%	13,070	13,116	47	0.4%
28.4%	13,049	13,079	30	0.2%
29.6%	13,047	13,034	-13	-0.1%
30.9%	13,041	12,914	-127	-1.0%
32.1%	13,037	12,799	-238	-1.8%
33.3%	12,746	12,592	-154	-1.2%
34.6%	12,406	12,372	-33	-0.3%
35.8%	12,369	12,265	-104	-0.8%
37.0%	12,344	12,255	-89	-0.7%
38.3%	12,237	12,234	-3	0.0%
39.5%	11,839	12,075	236	2.0%
40.7%	11,648	11,837	189	1.6%
42.0%	11,625	11,403	-222	-1.9%
43.2%	11,476	11,398	-78	-0.7%
44.4%	11,422	11,389	-33	-0.3%
45.7%	11,296	11,371	75	0.7%
46.9%	11,214	11,297	83	0.7%
48.1%	11,152	11,294	142	1.3%
49.4%	11,137	11,152	15	0.1%
50.6%	11,023	11,098	75	0.7%
51.9%	10,970	11,029	59	0.5%
53.1%	10,910	10,971	61	0.6%
54.3%	10,861	10,870	9	0.1%
55.6%	10,688	10,827	138	1.3%
56.8%	10,669	10,678	9	0.1%
58.0%	10,585	10,609	25	0.2%
59.3%	10,396	10,566	170	1.6%
60.5%	10,347	10,551	204	2.0%
61.7%	10,202	10,497	294	2.9%
63.0%	10,123	10,380	257	2.5%
64.2%	10,089	10,288	199	2.0%
65.4%	10,075	10,155	80	0.8%
66.7%	9,874	10,112	238	2.4%
67.9%	9,737	10,074	336	3.5%
69.1%	9,707	9,885	178	1.8%
70.4%	9,663	9,773	110	1.1%
71.6%	9,598	9,769	170	1.8%
72.8%	9,542	9,555	13	0.1%
74.1%	9,539	9,548	8	0.1%
75.3%	9,203	9,364	160	1.7%
76.5%	8,953	9,092	139	1.6%
77.8%	8,470	8,672	202	2.4%
79.0%	8,245	8,661	416	5.0%
80.2%	8,103	8,508	405	5.0%
81.5%	8,101	8,402	301	3.7%
82.7%	8,011	8,276	265	3.3%
84.0%	7,943	7,920	-23	-0.3%
85.2%	7,882	7,827	-55	-0.7%
86.4%	7,546	7,692	146	1.9%
87.7%	7,155	6,836	-320	-4.5%
88.9%	6,983	6,814	-169	-2.4%
90.1%	6,840	6,760	-80	-1.2%
91.4%	6,081	5,986	-96	-1.6%
92.6%	6,031	5,677	-354	-5.9%
93.8%	5,218	5,471	254	4.9%
95.1%	4,329	5,288	960	22.2%
96.3%	3,940	5,279	1,339	34.0%
97.5%	3,686	5,267	1,580	42.9%
98.8%	3,471	5,065	1,594	45.9%
100.0%	3,120	3,879	759	24.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	13,601	46	0.3%
24.7%	13,478	13,523	45	0.3%
25.9%	13,373	13,424	51	0.4%
27.2%	13,304	13,385	81	0.6%
28.4%	13,254	13,370	116	0.9%
29.6%	13,234	13,350	116	0.9%
30.9%	13,214	13,267	53	0.4%
32.1%	13,198	13,171	-27	-0.2%
33.3%	13,195	13,058	-137	-1.0%
34.6%	13,174	13,050	-123	-0.9%
35.8%	13,168	12,998	-170	-1.3%
37.0%	13,130	12,976	-155	-1.2%
38.3%	12,884	12,756	-128	-1.0%
39.5%	12,808	12,691	-118	-0.9%
40.7%	12,394	12,582	188	1.5%
42.0%	12,383	12,475	92	0.7%
43.2%	12,339	12,202	-137	-1.1%
44.4%	12,282	12,111	-171	-1.4%
45.7%	12,147	12,089	-59	-0.5%
46.9%	11,843	11,755	-88	-0.7%
48.1%	11,541	11,755	214	1.9%
49.4%	11,401	11,510	109	1.0%
50.6%	11,375	11,492	116	1.0%
51.9%	11,307	11,442	134	1.2%
53.1%	11,298	11,222	-76	-0.7%
54.3%	11,099	11,112	13	0.1%
55.6%	11,025	11,045	20	0.2%
56.8%	10,992	10,982	-9	-0.1%
58.0%	10,927	10,950	24	0.2%
59.3%	10,917	10,929	13	0.1%
60.5%	10,917	10,894	-23	-0.2%
61.7%	10,788	10,856	68	0.6%
63.0%	10,747	10,797	51	0.5%
64.2%	10,536	10,755	219	2.1%
65.4%	10,427	10,735	308	3.0%
66.7%	10,329	10,677	349	3.4%
67.9%	10,306	10,614	308	3.0%
69.1%	10,056	10,486	431	4.3%
70.4%	10,018	10,352	334	3.3%
71.6%	9,816	10,152	336	3.4%
72.8%	9,690	10,005	315	3.2%
74.1%	9,643	9,828	185	1.9%
75.3%	9,535	9,494	-41	-0.4%
76.5%	9,014	9,280	265	2.9%
77.8%	8,835	9,090	256	2.9%
79.0%	8,798	9,088	290	3.3%
80.2%	8,590	8,781	191	2.2%
81.5%	8,519	8,617	97	1.1%
82.7%	8,212	8,551	340	4.1%
84.0%	8,211	8,299	88	1.1%
85.2%	7,777	7,885	109	1.4%
86.4%	7,478	7,760	282	3.8%
87.7%	7,260	7,133	-128	-1.8%
88.9%	7,049	6,852	-197	-2.8%
90.1%	6,775	6,730	-45	-0.7%
91.4%	6,105	6,695	590	9.7%
92.6%	5,992	6,010	17	0.3%
93.8%	5,295	5,638	343	6.5%
95.1%	5,141	5,469	329	6.4%
96.3%	4,295	5,344	1,049	24.4%
97.5%	4,228	5,313	1,085	25.7%
98.8%	3,727	5,034	1,307	35.1%
100.0%	3,434	4,130	696	20.3%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,850	13,850	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,850	13,850	0	0.0%
17.3%	13,850	13,850	0	0.0%
18.5%	13,850	13,850	0	0.0%
19.8%	13,850	13,850	0	0.0%
21.0%	13,850	13,850	0	0.0%
22.2%	13,850	13,850	0	0.0%
23.5%	13,850	13,850	0	0.0%
24.7%	13,709	13,824	115	0.8%
25.9%	13,675	13,679	4	0.0%
27.2%	13,654	13,675	21	0.2%
28.4%	13,535	13,501	-34	-0.3%
29.6%	13,512	13,479	-33	-0.2%
30.9%	13,488	13,333	-155	-1.1%
32.1%	13,436	13,243	-193	-1.4%
33.3%	13,434	13,234	-199	-1.5%
34.6%	13,328	13,191	-137	-1.0%
35.8%	13,194	13,161	-33	-0.2%
37.0%	13,181	13,111	-70	-0.5%
38.3%	13,151	13,059	-92	-0.7%
39.5%	13,138	13,057	-82	-0.6%
40.7%	13,125	13,019	-106	-0.8%
42.0%	12,782	13,011	229	1.8%
43.2%	12,633	12,897	263	2.1%
44.4%	12,614	12,782	168	1.3%
45.7%	12,588	12,698	109	0.9%
46.9%	12,526	12,518	-8	-0.1%
48.1%	12,393	12,238	-155	-1.2%
49.4%	12,378	12,176	-202	-1.6%
50.6%	12,312	12,132	-181	-1.5%
51.9%	12,110	12,087	-24	-0.2%
53.1%	11,893	12,054	160	1.3%
54.3%	11,782	11,943	161	1.4%
55.6%	11,759	11,664	-96	-0.8%
56.8%	11,506	11,536	30	0.3%
58.0%	11,270	11,408	137	1.2%
59.3%	11,117	11,321	204	1.8%
60.5%	11,019	11,214	195	1.8%
61.7%	10,995	11,199	204	1.9%
63.0%	10,968	11,097	128	1.2%
64.2%	10,883	11,031	149	1.4%
65.4%	10,781	10,911	131	1.2%
66.7%	10,725	10,857	132	1.2%
67.9%	10,596	10,849	253	2.4%
69.1%	10,394	10,844	450	4.3%
70.4%	10,377	10,753	376	3.6%
71.6%	10,355	10,563	208	2.0%
72.8%	10,258	10,343	85	0.8%
74.1%	9,973	10,302	329	3.3%
75.3%	9,776	10,195	418	4.3%
76.5%	9,665	10,103	439	4.5%
77.8%	9,574	9,772	198	2.1%
79.0%	9,526	9,436	-89	-0.9%
80.2%	8,906	9,415	509	5.7%
81.5%	8,756	9,302	546	6.2%
82.7%	8,629	8,792	163	1.9%
84.0%	8,601	8,660	59	0.7%
85.2%	7,885	8,306	421	5.3%
86.4%	7,818	8,113	295	3.8%
87.7%	7,541	7,823	282	3.7%
88.9%	6,942	6,789	-153	-2.2%
90.1%	6,872	6,696	-176	-2.6%
91.4%	6,720	6,640	-80	-1.2%
92.6%	6,599	6,623	24	0.4%
93.8%	6,033	5,962	-71	-1.2%
95.1%	5,695	5,679	-16	-0.3%
96.3%	4,551	5,646	1,095	24.1%
97.5%	4,271	5,095	824	19.3%
98.8%	4,111	5,010	899	21.9%
100.0%	3,895	4,452	558	14.3%

Table SW-03-9b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	14,259	0	0.0%
24.7%	14,244	14,244	0	0.0%
25.9%	14,232	14,232	0	0.0%
27.2%	14,106	14,141	35	0.2%
28.4%	14,096	14,141	45	0.3%
29.6%	14,006	14,098	92	0.7%
30.9%	13,913	14,039	126	0.9%
32.1%	13,758	14,025	267	1.9%
33.3%	13,742	13,776	34	0.2%
34.6%	13,739	13,739	0	0.0%
35.8%	13,663	13,656	-8	-0.1%
37.0%	13,640	13,561	-79	-0.6%
38.3%	13,640	13,468	-172	-1.3%
39.5%	13,566	13,397	-169	-1.2%
40.7%	13,524	13,382	-142	-1.0%
42.0%	13,330	13,360	30	0.2%
43.2%	13,300	13,281	-19	-0.1%
44.4%	13,245	13,241	-4	0.0%
45.7%	13,224	13,194	-30	-0.2%
46.9%	13,126	13,193	67	0.5%
48.1%	13,118	13,152	33	0.3%
49.4%	13,116	13,048	-67	-0.5%
50.6%	12,922	12,922	0	0.0%
51.9%	12,884	12,764	-120	-0.9%
53.1%	12,636	12,629	-7	-0.1%
54.3%	12,628	12,524	-104	-0.8%
55.6%	12,504	12,366	-138	-1.1%
56.8%	12,457	12,291	-166	-1.3%
58.0%	12,389	12,275	-114	-0.9%
59.3%	12,071	12,270	199	1.6%
60.5%	12,069	12,086	17	0.1%
61.7%	11,834	12,074	240	2.0%
63.0%	11,593	12,003	410	3.5%
64.2%	11,532	11,973	441	3.8%
65.4%	11,450	11,966	516	4.5%
66.7%	11,395	11,524	128	1.1%
67.9%	11,320	11,274	-46	-0.4%
69.1%	11,288	11,164	-124	-1.1%
70.4%	11,174	11,126	-47	-0.4%
71.6%	10,937	11,044	108	1.0%
72.8%	10,803	10,994	190	1.8%
74.1%	10,409	10,802	393	3.8%
75.3%	10,218	10,538	320	3.1%
76.5%	10,112	10,442	330	3.3%
77.8%	10,031	10,277	246	2.5%
79.0%	9,924	10,254	330	3.3%
80.2%	9,554	9,766	212	2.2%
81.5%	9,551	9,728	177	1.9%
82.7%	9,074	9,320	246	2.7%
84.0%	8,780	9,244	463	5.3%
85.2%	8,698	8,523	-175	-2.0%
86.4%	8,428	8,457	29	0.3%
87.7%	8,004	8,295	292	3.6%
88.9%	7,824	7,953	130	1.7%
90.1%	7,672	7,741	69	0.9%
91.4%	6,985	6,943	-42	-0.6%
92.6%	6,980	6,679	-301	-4.3%
93.8%	6,747	6,667	-80	-1.2%
95.1%	6,362	6,661	299	4.7%
96.3%	5,226	6,319	1,093	20.9%
97.5%	5,207	5,268	61	1.2%
98.8%	4,282	5,109	827	19.3%
100.0%	4,070	5,021	951	23.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	14,614	-86	-0.6%
30.9%	14,614	14,606	-8	-0.1%
32.1%	14,611	14,597	-14	-0.1%
33.3%	14,606	14,586	-20	-0.1%
34.6%	14,577	14,585	7	0.1%
35.8%	14,516	14,516	0	0.0%
37.0%	14,332	14,266	-66	-0.5%
38.3%	14,224	14,257	32	0.2%
39.5%	14,096	14,173	76	0.5%
40.7%	14,056	14,081	26	0.2%
42.0%	13,998	14,019	21	0.1%
43.2%	13,918	13,918	1	0.0%
44.4%	13,817	13,745	-72	-0.5%
45.7%	13,815	13,578	-237	-1.7%
46.9%	13,701	13,533	-168	-1.2%
48.1%	13,649	13,519	-130	-1.0%
49.4%	13,587	13,508	-78	-0.6%
50.6%	13,516	13,508	-8	-0.1%
51.9%	13,468	13,428	-39	-0.3%
53.1%	13,345	13,311	-34	-0.3%
54.3%	13,265	13,295	30	0.2%
55.6%	13,191	13,261	70	0.5%
56.8%	13,139	13,101	-38	-0.3%
58.0%	13,134	12,985	-149	-1.1%
59.3%	12,858	12,919	61	0.5%
60.5%	12,706	12,759	53	0.4%
61.7%	12,633	12,629	-4	0.0%
63.0%	12,600	12,628	28	0.2%
64.2%	12,596	12,606	10	0.1%
65.4%	12,567	12,415	-151	-1.2%
66.7%	12,508	12,381	-127	-1.0%
67.9%	11,969	12,334	365	3.1%
69.1%	11,844	12,089	245	2.1%
70.4%	11,623	11,756	132	1.1%
71.6%	11,266	11,663	396	3.5%
72.8%	11,005	11,578	573	5.2%
74.1%	10,946	11,554	609	5.6%
75.3%	10,781	11,329	548	5.1%
76.5%	10,722	10,769	47	0.4%
77.8%	10,641	10,656	15	0.1%
79.0%	10,530	10,569	40	0.4%
80.2%	10,333	10,486	154	1.5%
81.5%	10,216	10,435	219	2.1%
82.7%	10,186	10,104	-81	-0.8%
84.0%	9,877	9,719	-158	-1.6%
85.2%	9,370	9,478	108	1.2%
86.4%	9,368	9,460	92	1.0%
87.7%	8,606	9,151	545	6.3%
88.9%	8,604	9,045	441	5.1%
90.1%	8,028	8,523	495	6.2%
91.4%	8,018	8,304	286	3.6%
92.6%	7,916	7,713	-202	-2.6%
93.8%	7,517	7,384	-133	-1.8%
95.1%	7,460	7,380	-80	-1.1%
96.3%	7,397	7,198	-199	-2.7%
97.5%	5,688	6,417	729	12.8%
98.8%	5,272	5,820	548	10.4%
100.0%	5,206	5,590	384	7.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,453	-6	0.0%
12.3%	15,433	15,433	0	0.0%
13.6%	15,433	15,427	-6	0.0%
14.8%	15,412	15,412	0	0.0%
16.0%	15,402	15,402	0	0.0%
17.3%	15,375	15,369	-6	0.0%
18.5%	15,363	15,364	1	0.0%
19.8%	15,353	15,363	9	0.1%
21.0%	15,345	15,361	16	0.1%
22.2%	15,336	15,330	-6	0.0%
23.5%	15,265	15,317	52	0.3%
24.7%	15,235	15,260	25	0.2%
25.9%	15,203	15,235	32	0.2%
27.2%	15,199	15,222	23	0.2%
28.4%	15,173	15,199	25	0.2%
29.6%	15,170	15,173	3	0.0%
30.9%	15,155	15,170	15	0.1%
32.1%	15,132	15,163	31	0.2%
33.3%	15,121	15,121	0	0.0%
34.6%	15,064	15,093	29	0.2%
35.8%	15,061	15,064	3	0.0%
37.0%	14,946	15,061	116	0.8%
38.3%	14,913	14,946	33	0.2%
39.5%	14,896	14,827	-70	-0.5%
40.7%	14,766	14,736	-30	-0.2%
42.0%	14,705	14,728	23	0.2%
43.2%	14,681	14,713	31	0.2%
44.4%	14,552	14,688	136	0.9%
45.7%	14,534	14,511	-23	-0.2%
46.9%	14,509	14,433	-75	-0.5%
48.1%	14,287	14,394	107	0.8%
49.4%	14,277	14,043	-234	-1.6%
50.6%	14,176	13,971	-205	-1.4%
51.9%	14,153	13,918	-236	-1.7%
53.1%	13,932	13,898	-34	-0.2%
54.3%	13,908	13,873	-35	-0.3%
55.6%	13,802	13,783	-19	-0.1%
56.8%	13,753	13,614	-139	-1.0%
58.0%	13,688	13,611	-76	-0.6%
59.3%	13,679	13,611	-68	-0.5%
60.5%	13,505	13,574	69	0.5%
61.7%	13,452	13,467	15	0.1%
63.0%	13,391	13,464	74	0.5%
64.2%	13,226	13,442	216	1.6%
65.4%	13,146	13,287	141	1.1%
66.7%	12,981	13,139	159	1.2%
67.9%	12,769	13,031	262	2.1%
69.1%	12,684	12,598	-86	-0.7%
70.4%	12,397	12,544	147	1.2%
71.6%	12,336	12,352	16	0.1%
72.8%	11,915	12,175	259	2.2%
74.1%	11,858	12,155	297	2.5%
75.3%	11,653	11,689	35	0.3%
76.5%	11,463	11,680	217	1.9%
77.8%	11,410	11,655	245	2.1%
79.0%	11,163	11,585	421	3.8%
80.2%	11,020	11,255	235	2.1%
81.5%	10,903	11,243	339	3.1%
82.7%	10,875	10,723	-152	-1.4%
84.0%	10,808	10,665	-143	-1.3%
85.2%	9,716	10,656	940	9.7%
86.4%	9,697	9,641	-56	-0.6%
87.7%	9,615	9,539	-76	-0.8%
88.9%	9,564	9,310	-254	-2.7%
90.1%	9,189	9,278	88	1.0%
91.4%	8,971	8,933	-38	-0.4%
92.6%	8,403	8,893	491	5.8%
93.8%	8,182	8,457	275	3.4%
95.1%	7,966	7,953	-13	-0.2%
96.3%	7,853	7,534	-318	-4.1%
97.5%	7,196	7,111	-85	-1.2%
98.8%	6,338	6,963	624	9.9%
100.0%	5,979	6,899	920	15.4%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,980	15,980	0	0.0%
1.2%	15,980	15,980	0	0.0%
2.5%	15,980	15,980	0	0.0%
3.7%	15,980	15,980	0	0.0%
4.9%	15,944	15,944	0	0.0%
6.2%	15,941	15,941	0	0.0%
7.4%	15,843	15,837	-6	0.0%
8.6%	15,835	15,835	0	0.0%
9.9%	15,619	15,613	-6	0.0%
11.1%	15,601	15,601	0	0.0%
12.3%	15,592	15,595	3	0.0%
13.6%	15,582	15,582	0	0.0%
14.8%	15,572	15,571	-1	0.0%
16.0%	15,571	15,566	-5	0.0%
17.3%	15,541	15,541	0	0.0%
18.5%	15,502	15,524	21	0.1%
19.8%	15,466	15,522	56	0.4%
21.0%	15,404	15,466	63	0.4%
22.2%	15,395	15,398	3	0.0%
23.5%	15,386	15,386	0	0.0%
24.7%	15,238	15,367	129	0.8%
25.9%	15,215	15,325	110	0.7%
27.2%	15,185	15,238	53	0.3%
28.4%	15,160	15,157	-3	0.0%
29.6%	15,157	15,153	-3	0.0%
30.9%	15,038	15,038	0	0.0%
32.1%	15,033	15,033	0	0.0%
33.3%	14,993	14,993	0	0.0%
34.6%	14,952	14,956	4	0.0%
35.8%	14,949	14,952	3	0.0%
37.0%	14,931	14,891	-40	-0.3%
38.3%	14,610	14,610	0	0.0%
39.5%	14,543	14,543	0	0.0%
40.7%	14,458	14,480	23	0.2%
42.0%	14,431	14,391	-39	-0.3%
43.2%	14,286	14,324	38	0.3%
44.4%	14,265	14,308	43	0.3%
45.7%	14,240	14,300	60	0.4%
46.9%	14,108	14,254	146	1.0%
48.1%	14,097	14,248	151	1.1%
49.4%	13,986	13,952	-34	-0.2%
50.6%	13,901	13,744	-156	-1.1%
51.9%	13,871	13,740	-131	-0.9%
53.1%	13,867	13,625	-243	-1.7%
54.3%	13,807	13,591	-216	-1.6%
55.6%	13,797	13,579	-218	-1.6%
56.8%	13,668	13,509	-158	-1.2%
58.0%	13,578	13,477	-101	-0.7%
59.3%	13,390	13,468	78	0.6%
60.5%	13,374	13,436	62	0.5%
61.7%	13,268	13,352	84	0.6%
63.0%	13,203	13,217	13	0.1%
64.2%	13,021	13,127	106	0.8%
65.4%	12,934	13,082	148	1.1%
66.7%	12,899	13,048	149	1.2%
67.9%	12,829	12,952	123	1.0%
69.1%	12,786	12,795	9	0.1%
70.4%	12,199	12,616	417	3.4%
71.6%	12,033	12,542	509	4.2%
72.8%	11,885	12,154	269	2.3%
74.1%	11,883	11,650	-233	-2.0%
75.3%	11,821	11,641	-180	-1.5%
76.5%	11,081	11,619	538	4.9%
77.8%	11,030	11,601	571	5.2%
79.0%	10,921	11,160	239	2.2%
80.2%	10,867	11,093	225	2.1%
81.5%	10,800	11,044	244	2.3%
82.7%	10,546	10,939	393	3.7%
84.0%	10,447	10,902	454	4.3%
85.2%	10,264	10,175	-89	-0.9%
86.4%	9,887	9,814	-72	-0.7%
87.7%	9,514	9,225	-289	-3.0%
88.9%	9,407	9,194	-213	-2.3%
90.1%	9,274	9,087	-187	-2.0%
91.4%	9,175	9,006	-169	-1.8%
92.6%	8,052	8,581	529	6.6%
93.8%	8,011	8,194	182	2.3%
95.1%	7,918	7,764	-154	-2.0%
96.3%	7,777	7,699	-78	-1.0%
97.5%	7,451	7,366	-84	-1.1%
98.8%	6,256	7,120	864	13.8%
100.0%	6,157	6,815	658	10.7%

Table SW-03-9b
Trinity Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,661	-36	-0.2%
13.6%	15,661	15,626	-35	-0.2%
14.8%	15,559	15,531	-28	-0.2%
16.0%	15,518	15,516	-2	0.0%
17.3%	15,516	15,512	-4	0.0%
18.5%	15,438	15,465	26	0.2%
19.8%	15,372	15,433	61	0.4%
21.0%	15,358	15,364	6	0.0%
22.2%	15,203	15,345	142	0.9%
23.5%	15,157	15,303	145	1.0%
24.7%	15,146	15,156	10	0.1%
25.9%	15,116	15,116	0	0.0%
27.2%	15,049	15,067	18	0.1%
28.4%	14,919	15,049	130	0.9%
29.6%	14,904	14,898	-6	0.0%
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	14,555	-40	-0.3%
37.0%	14,472	14,508	36	0.3%
38.3%	14,371	14,493	122	0.8%
39.5%	14,349	14,378	29	0.2%
40.7%	14,075	14,088	12	0.1%
42.0%	14,062	13,932	-130	-0.9%
43.2%	13,932	13,926	-6	0.0%
44.4%	13,926	13,897	-29	-0.2%
45.7%	13,833	13,877	43	0.3%
46.9%	13,765	13,867	103	0.7%
48.1%	13,735	13,733	-2	0.0%
49.4%	13,667	13,666	-1	0.0%
50.6%	13,579	13,448	-132	-1.0%
51.9%	13,425	13,370	-55	-0.4%
53.1%	13,351	13,353	1	0.0%
54.3%	13,309	13,286	-23	-0.2%
55.6%	13,276	13,227	-49	-0.4%
56.8%	13,243	13,167	-76	-0.6%
58.0%	13,124	13,096	-28	-0.2%
59.3%	13,092	13,068	-24	-0.2%
60.5%	13,000	13,058	58	0.4%
61.7%	12,971	12,926	-45	-0.3%
63.0%	12,895	12,864	-31	-0.2%
64.2%	12,836	12,859	23	0.2%
65.4%	12,703	12,797	94	0.7%
66.7%	12,641	12,645	4	0.0%
67.9%	12,636	12,533	-103	-0.8%
69.1%	12,535	12,509	-26	-0.2%
70.4%	12,334	12,359	25	0.2%
71.6%	11,841	12,269	427	3.6%
72.8%	11,738	12,167	428	3.6%
74.1%	11,684	12,101	416	3.6%
75.3%	11,574	11,640	66	0.6%
76.5%	10,959	11,476	516	4.7%
77.8%	10,726	11,063	338	3.2%
79.0%	10,616	10,855	238	2.2%
80.2%	10,516	10,703	187	1.8%
81.5%	10,490	10,694	204	1.9%
82.7%	10,488	10,496	8	0.1%
84.0%	10,447	10,418	-29	-0.3%
85.2%	10,105	10,368	263	2.6%
86.4%	10,100	10,021	-79	-0.8%
87.7%	9,509	9,198	-311	-3.3%
88.9%	9,344	9,048	-296	-3.2%
90.1%	8,974	8,894	-80	-0.9%
91.4%	8,770	8,601	-168	-1.9%
92.6%	7,969	8,309	340	4.3%
93.8%	7,779	8,018	239	3.1%
95.1%	7,741	7,658	-83	-1.1%
96.3%	7,515	7,620	105	1.4%
97.5%	7,482	7,502	20	0.3%
98.8%	7,064	7,398	334	4.7%
100.0%	6,233	6,984	751	12.1%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,375	31	0.2%
13.6%	15,254	15,339	85	0.6%
14.8%	15,241	15,185	-56	-0.4%
16.0%	15,232	15,168	-63	-0.4%
17.3%	15,174	15,165	-10	-0.1%
18.5%	15,165	15,162	-3	0.0%
19.8%	15,047	15,041	-6	0.0%
21.0%	14,994	14,994	0	0.0%
22.2%	14,799	14,786	-13	-0.1%
23.5%	14,659	14,786	126	0.9%
24.7%	14,585	14,585	0	0.0%
25.9%	14,569	14,579	10	0.1%
27.2%	14,568	14,568	0	0.0%
28.4%	14,354	14,525	171	1.2%
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	14,139	0	0.0%
34.6%	14,100	14,100	0	0.0%
35.8%	13,990	14,031	41	0.3%
37.0%	13,968	13,969	1	0.0%
38.3%	13,807	13,923	116	0.8%
39.5%	13,371	13,365	-7	0.0%
40.7%	13,357	13,258	-98	-0.7%
42.0%	13,260	13,237	-23	-0.2%
43.2%	13,139	13,176	37	0.3%
44.4%	13,118	13,139	21	0.2%
45.7%	13,115	13,122	7	0.1%
46.9%	13,105	13,012	-94	-0.7%
48.1%	13,076	12,925	-151	-1.2%
49.4%	12,974	12,876	-98	-0.8%
50.6%	12,927	12,780	-147	-1.1%
51.9%	12,654	12,743	89	0.7%
53.1%	12,613	12,701	88	0.7%
54.3%	12,545	12,548	3	0.0%
55.6%	12,449	12,443	-6	0.0%
56.8%	12,377	12,425	47	0.4%
58.0%	12,287	12,406	119	1.0%
59.3%	12,241	12,384	143	1.2%
60.5%	12,224	12,370	146	1.2%
61.7%	12,213	12,181	-32	-0.3%
63.0%	12,167	12,180	13	0.1%
64.2%	12,136	12,000	-136	-1.1%
65.4%	11,978	11,903	-75	-0.6%
66.7%	11,714	11,804	90	0.8%
67.9%	11,692	11,767	75	0.6%
69.1%	11,460	11,729	269	2.4%
70.4%	11,406	11,653	248	2.2%
71.6%	11,234	11,577	343	3.0%
72.8%	11,093	11,420	327	2.9%
74.1%	11,036	10,899	-137	-1.2%
75.3%	10,881	10,750	-131	-1.2%
76.5%	10,877	10,592	-285	-2.6%
77.8%	9,845	9,998	153	1.6%
79.0%	9,696	9,875	180	1.9%
80.2%	9,645	9,859	213	2.2%
81.5%	9,613	9,782	169	1.8%
82.7%	9,512	9,773	261	2.7%
84.0%	9,495	9,414	-81	-0.9%
85.2%	9,394	9,405	12	0.1%
86.4%	9,372	9,148	-224	-2.4%
87.7%	8,802	8,484	-317	-3.6%
88.9%	8,271	8,191	-80	-1.0%
90.1%	7,941	7,770	-170	-2.1%
91.4%	7,875	7,575	-300	-3.8%
92.6%	7,233	7,520	286	4.0%
93.8%	6,944	7,220	276	4.0%
95.1%	6,754	7,000	246	3.6%
96.3%	6,656	6,924	268	4.0%
97.5%	6,447	6,671	224	3.5%
98.8%	5,954	6,254	299	5.0%
100.0%	5,802	5,940	137	2.4%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	14,877	-5	0.0%
14.8%	14,790	14,791	1	0.0%
16.0%	14,742	14,776	34	0.2%
17.3%	14,693	14,736	43	0.3%
18.5%	14,691	14,591	-100	-0.7%
19.8%	14,511	14,432	-79	-0.5%
21.0%	14,502	14,192	-309	-2.1%
22.2%	14,436	14,109	-327	-2.3%
23.5%	14,108	13,959	-149	-1.1%
24.7%	14,071	13,956	-114	-0.8%
25.9%	13,974	13,805	-168	-1.2%
27.2%	13,812	13,762	-50	-0.4%
28.4%	13,804	13,736	-68	-0.5%
29.6%	13,725	13,707	-18	-0.1%
30.9%	13,706	13,471	-235	-1.7%
32.1%	13,565	13,427	-138	-1.0%
33.3%	13,471	13,379	-92	-0.7%
34.6%	13,436	13,379	-58	-0.4%
35.8%	13,379	13,339	-40	-0.3%
37.0%	13,296	13,319	23	0.2%
38.3%	13,296	13,252	-44	-0.3%
39.5%	12,684	12,686	2	0.0%
40.7%	12,600	12,575	-25	-0.2%
42.0%	12,456	12,572	116	0.9%
43.2%	12,430	12,506	76	0.6%
44.4%	12,430	12,453	23	0.2%
45.7%	12,406	12,283	-123	-1.0%
46.9%	12,255	12,132	-123	-1.0%
48.1%	12,201	12,041	-161	-1.3%
49.4%	12,014	12,014	0	0.0%
50.6%	11,993	11,954	-39	-0.3%
51.9%	11,873	11,920	47	0.4%
53.1%	11,796	11,882	86	0.7%
54.3%	11,713	11,611	-103	-0.9%
55.6%	11,509	11,606	97	0.8%
56.8%	11,455	11,594	138	1.2%
58.0%	11,295	11,589	294	2.6%
59.3%	11,277	11,542	265	2.3%
60.5%	11,242	11,525	283	2.5%
61.7%	11,218	11,391	173	1.5%
63.0%	11,205	11,277	72	0.6%
64.2%	10,996	11,249	254	2.3%
65.4%	10,949	11,111	162	1.5%
66.7%	10,848	11,008	159	1.5%
67.9%	10,461	10,845	385	3.7%
69.1%	10,459	10,824	365	3.5%
70.4%	10,434	10,795	361	3.5%
71.6%	10,348	10,381	33	0.3%
72.8%	10,250	10,301	51	0.5%
74.1%	10,078	9,935	-143	-1.4%
75.3%	10,064	9,509	-555	-5.5%
76.5%	10,031	9,484	-546	-5.4%
77.8%	9,314	9,259	-55	-0.6%
79.0%	9,157	9,250	93	1.0%
80.2%	8,918	9,237	318	3.6%
81.5%	8,856	9,126	270	3.1%
82.7%	8,738	9,080	342	3.9%
84.0%	8,718	8,704	-15	-0.2%
85.2%	8,695	8,608	-87	-1.0%
86.4%	8,426	8,370	-56	-0.7%
87.7%	8,022	7,701	-321	-4.0%
88.9%	7,699	7,618	-81	-1.0%
90.1%	7,107	6,937	-169	-2.4%
91.4%	6,477	6,394	-83	-1.3%
92.6%	6,452	6,394	-58	-0.9%
93.8%	6,345	6,213	-132	-2.1%
95.1%	6,183	6,144	-39	-0.6%
96.3%	5,471	6,039	567	10.4%
97.5%	5,045	5,965	920	18.2%
98.8%	4,970	5,723	753	15.1%
100.0%	4,346	5,471	1,126	25.9%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	14,188	14,188	0	0.0%
2.5%	14,188	14,188	0	0.0%
3.7%	14,188	14,188	0	0.0%
4.9%	14,188	14,188	0	0.0%
6.2%	14,188	14,188	0	0.0%
7.4%	14,188	14,188	0	0.0%
8.6%	14,188	14,188	0	0.0%
9.9%	14,188	14,188	0	0.0%
11.1%	14,188	14,188	0	0.0%
12.3%	14,188	14,188	0	0.0%
13.6%	14,188	14,188	0	0.0%
14.8%	14,188	14,188	0	0.0%
16.0%	14,188	14,188	0	0.0%
17.3%	14,188	14,188	0	0.0%
18.5%	14,188	14,122	-66	-0.5%
19.8%	14,157	13,997	-161	-1.1%
21.0%	13,703	13,646	-57	-0.4%
22.2%	13,695	13,617	-78	-0.6%
23.5%	13,491	13,359	-132	-1.0%
24.7%	13,444	13,314	-130	-1.0%
25.9%	13,329	13,309	-20	-0.2%
27.2%	13,299	13,292	-7	-0.1%
28.4%	13,237	13,146	-91	-0.7%
29.6%	13,157	13,090	-67	-0.5%
30.9%	13,089	12,826	-263	-2.0%
32.1%	12,910	12,772	-138	-1.1%
33.3%	12,864	12,759	-106	-0.8%
34.6%	12,826	12,731	-96	-0.7%
35.8%	12,767	12,680	-87	-0.7%
37.0%	12,657	12,670	13	0.1%
38.3%	12,646	12,602	-44	-0.3%
39.5%	11,912	11,796	-116	-1.0%
40.7%	11,831	11,778	-53	-0.4%
42.0%	11,627	11,704	77	0.7%
43.2%	11,596	11,660	64	0.5%
44.4%	11,559	11,605	46	0.4%
45.7%	11,557	11,506	-51	-0.4%
46.9%	11,477	11,410	-67	-0.6%
48.1%	11,461	11,394	-67	-0.6%
49.4%	11,401	11,313	-88	-0.8%
50.6%	11,365	11,312	-53	-0.5%
51.9%	11,300	11,278	-22	-0.2%
53.1%	11,238	11,185	-52	-0.5%
54.3%	11,159	11,155	-4	0.0%
55.6%	11,094	11,110	16	0.1%
56.8%	10,813	10,972	159	1.5%
58.0%	10,691	10,969	278	2.6%
59.3%	10,631	10,968	337	3.2%
60.5%	10,599	10,907	308	2.9%
61.7%	10,569	10,889	320	3.0%
63.0%	10,556	10,758	202	1.9%
64.2%	10,334	10,605	270	2.6%
65.4%	10,279	10,397	118	1.1%
66.7%	9,930	10,339	408	4.1%
67.9%	9,764	10,138	374	3.8%
69.1%	9,756	10,102	346	3.5%
70.4%	9,744	10,077	333	3.4%
71.6%	9,646	9,578	-68	-0.7%
72.8%	9,637	9,503	-134	-1.4%
74.1%	9,585	9,262	-322	-3.4%
75.3%	9,390	8,931	-459	-4.9%
76.5%	9,035	8,871	-164	-1.8%
77.8%	8,859	8,782	-77	-0.9%
79.0%	8,679	8,712	32	0.4%
80.2%	8,347	8,588	241	2.9%
81.5%	8,278	8,580	302	3.6%
82.7%	8,193	8,508	315	3.8%
84.0%	8,173	8,143	-31	-0.4%
85.2%	8,152	8,031	-121	-1.5%
86.4%	7,863	7,824	-38	-0.5%
87.7%	7,470	7,150	-320	-4.3%
88.9%	7,138	7,058	-80	-1.1%
90.1%	6,514	6,345	-169	-2.6%
91.4%	6,216	6,133	-83	-1.3%
92.6%	6,207	5,868	-338	-5.5%
93.8%	5,471	5,487	15	0.3%
95.1%	5,462	5,471	9	0.2%
96.3%	5,150	5,471	322	6.2%
97.5%	4,732	5,471	739	15.6%
98.8%	4,481	5,406	925	20.6%
100.0%	3,120	3,622	502	16.1%

Table SW-04-9a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative D	373	360	498	638	621	570	561	3,779	2,091	923	450	450
Difference	5	-1	-24	-17	-24	-5	6	0	0	0	0	0
Percent Difference[3]	1.2%	-0.2%	-4.6%	-2.6%	-3.7%	-0.9%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	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 D	373	300	775	1,351	1,052	1,143	647	4,636	3,318	1,289	450	450
Difference	0	0	-76	-61	26	47	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.9%	-4.3%	2.5%	4.3%	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 D	373	709	621	332	760	300	469	4,462	2,488	1,048	450	450
Difference	0	-5	0	16	-72	-136	0	0	0	0	0	0
Percent Difference	0.0%	-0.7%	0.0%	5.1%	-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 D	373	300	300	300	392	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-125	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-24.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative D	373	300	300	300	300	300	529	3,216	1,251	667	450	450
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	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative D	373	300	300	300	300	300	575	2,092	783	450	450	450
Difference	31	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	9.1%	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-04-9b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

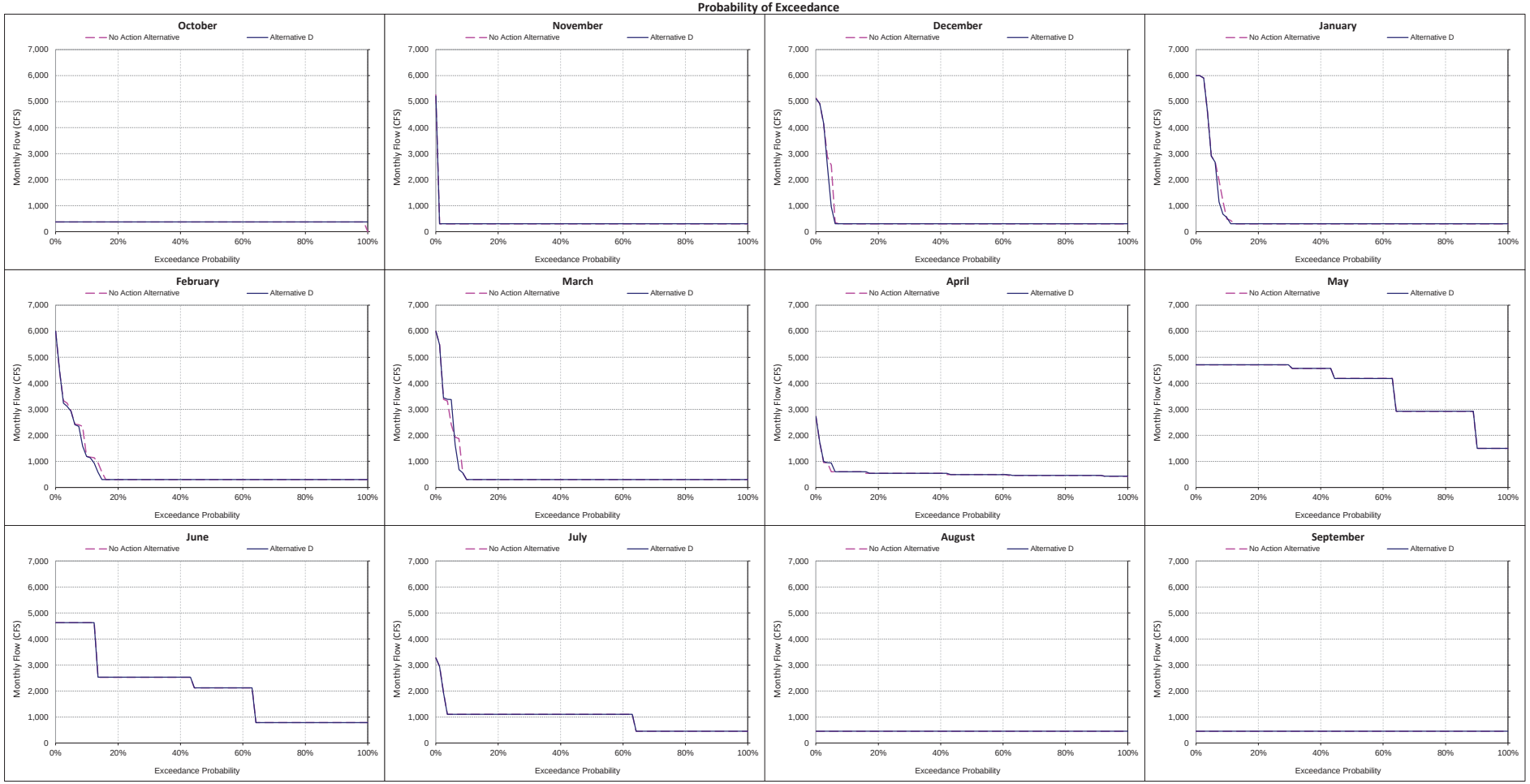

Table SW-04-9b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	0	373	373	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,261	5,205	-56	-1.1%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	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%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,139	5,115	-24	-0.5%
1.2%	4,922	4,922	0	0.0%
2.5%	4,147	4,150	3	0.1%
3.7%	2,872	2,557	-315	-11.0%
4.9%	2,557	964	-1,593	-62.3%
6.2%	349	300	-49	-14.1%
7.4%	300	300	0	0.0%
8.6%	300	300	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%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,907	5,907	0	0.0%
3.7%	4,568	4,568	0	0.0%
4.9%	2,908	2,908	0	0.0%
6.2%	2,670	2,670	0	0.0%
7.4%	1,960	1,143	-817	-41.7%
8.6%	1,175	678	-497	-42.3%
9.9%	486	543	57	11.7%
11.1%	432	300	-132	-30.6%
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%

Table SW-04-9b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	3,112	-126	-3.9%
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	1,583	-764	-32.6%
9.9%	1,194	1,194	0	0.0%
11.1%	1,161	1,138	-22	-1.9%
12.3%	1,138	942	-197	-17.3%
13.6%	942	583	-359	-38.1%
14.8%	583	300	-283	-48.6%
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%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	3,444	58	1.7%
3.7%	3,321	3,386	64	1.9%
4.9%	2,423	3,379	956	39.5%
6.2%	1,933	1,636	-297	-15.4%
7.4%	1,877	683	-1,194	-63.6%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	986	34	3.6%
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%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,570	4,570	0	0.0%
32.1%	4,570	4,570	0	0.0%
33.3%	4,570	4,570	0	0.0%
34.6%	4,570	4,570	0	0.0%
35.8%	4,570	4,570	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,189	4,189	0	0.0%
45.7%	4,189	4,189	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	4,189	4,189	0	0.0%
63.0%	4,189	4,189	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	1,498	1,498	0	0.0%
91.4%	1,498	1,498	0	0.0%
92.6%	1,498	1,498	0	0.0%
93.8%	1,498	1,498	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-9b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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 D 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 D 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 D 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%

Table SW-05-9a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
Alternative D	900	261	269	460	155	341	373	163	576	1,862	1,957	1,675
Difference	-133	-83	12	40	61	71	-16	-5	25	50	30	9
Percent Difference[3]	-12.9%	-24.2%	4.7%	9.4%	64.2%	26.4%	-4.2%	-3.2%	4.6%	2.8%	1.6%	0.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative D	1,571	448	585	437	118	355	493	268	439	1,765	1,882	2,142
Difference	-22	-32	49	7	36	12	10	-10	18	23	204	6
Percent Difference	-1.4%	-6.7%	9.1%	1.6%		3.4%	2.0%	-3.5%	4.3%	1.3%	12.1%	0.3%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative D	1,088	340	237	269	71	468	564	21	166	1,500	2,313	1,875
Difference	124	-98	-67	0	12	166	-24	21	-1	83	438	-83
Percent Difference	12.9%	-22.4%	-22.1%	0.0%		54.9%	-4.1%		-0.5%	5.9%	23.3%	-4.3%
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative D	433	68	96	334	212	406	171	61	660	1,698	1,714	1,342
Difference	4	-118	32	39	132	22	-94	0	0	161	-82	-18
Percent Difference	1.0%	-63.5%	48.6%	13.4%		5.8%	-35.3%	0.0%	0.0%	10.5%	-4.6%	-1.4%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative D	676	205	81	551	265	295	252	200	978	2,147	2,119	1,420
Difference	-209	-128	-20	143	99	154	29	-22	73	47	-203	-48
Percent Difference	-23.6%	-38.4%	-19.7%	35.2%	59.9%	109.4%	13.1%	-9.8%	8.1%	2.2%	-8.7%	-3.3%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative D	142	84	99	710	90	174	342	143	585	2,200	1,802	1,235
Difference	-676	-72	37	-5	21	39	-43	-4	25	-45	-272	222
Percent Difference	-82.6%	-46.2%		-0.8%		28.5%	-11.2%	-2.5%	4.4%	-2.0%	-13.1%	22.0%

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-05-9b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

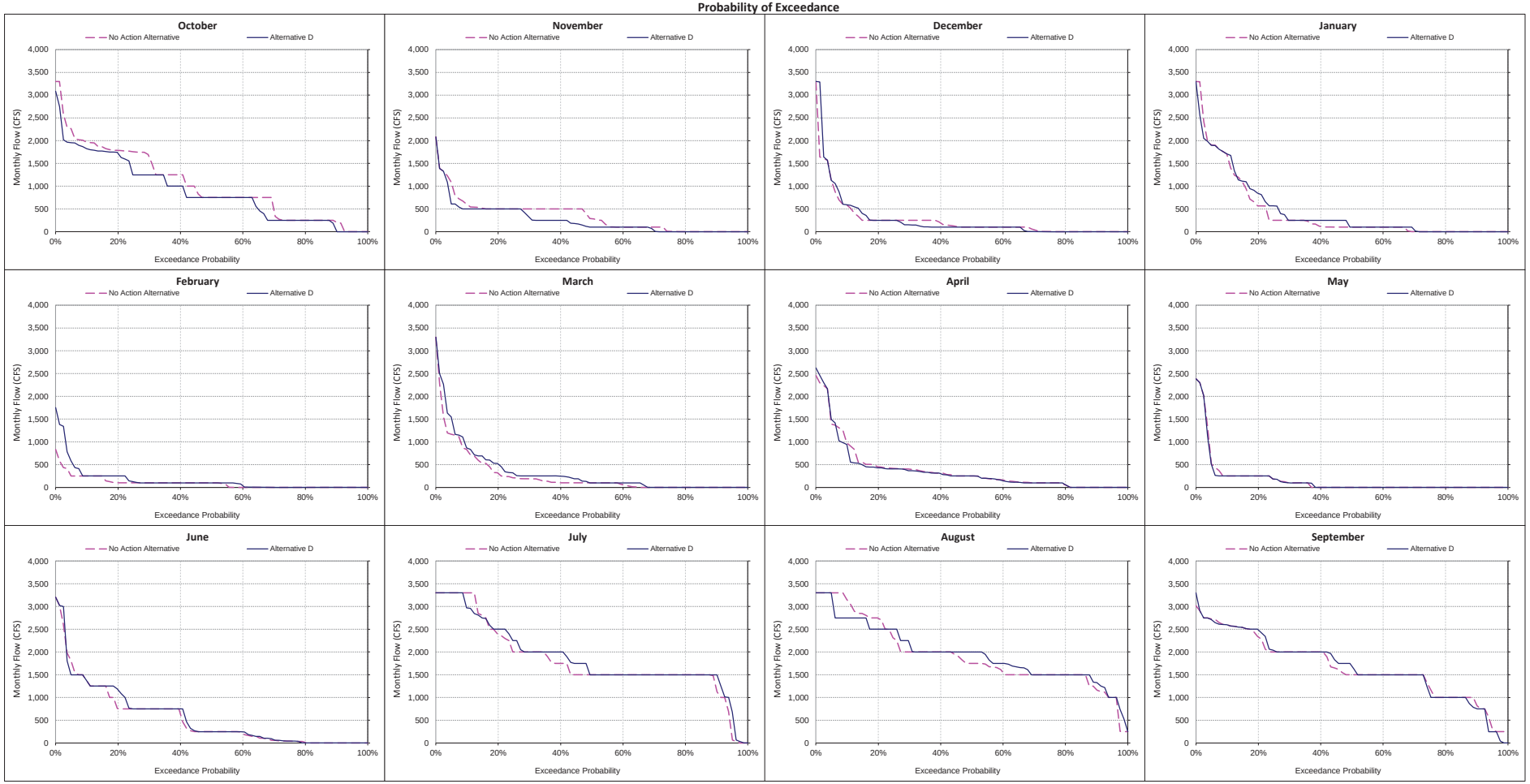

Table SW-05-9b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,083	-217	-6.6%
1.2%	3,300	2,750	-550	-16.7%
2.5%	2,591	2,019	-573	-22.1%
3.7%	2,286	1,969	-317	-13.9%
4.9%	2,264	1,956	-308	-13.6%
6.2%	2,044	1,950	-93	-4.6%
7.4%	2,019	1,897	-122	-6.1%
8.6%	2,010	1,870	-141	-7.0%
9.9%	1,969	1,825	-144	-7.3%
11.1%	1,956	1,803	-153	-7.8%
12.3%	1,950	1,787	-164	-8.4%
13.6%	1,870	1,772	-97	-5.2%
14.8%	1,869	1,770	-98	-5.3%
16.0%	1,825	1,758	-67	-3.7%
17.3%	1,803	1,749	-54	-3.0%
18.5%	1,787	1,747	-40	-2.2%
19.8%	1,787	1,744	-43	-2.4%
21.0%	1,781	1,631	-149	-8.4%
22.2%	1,772	1,596	-177	-10.0%
23.5%	1,770	1,557	-213	-12.1%
24.7%	1,758	1,250	-508	-28.9%
25.9%	1,749	1,250	-499	-28.5%
27.2%	1,747	1,250	-497	-28.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,698	1,250	-448	-26.4%
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	1,250	0	0.0%
35.8%	1,250	1,000	-250	-20.0%
37.0%	1,250	1,000	-250	-20.0%
38.3%	1,250	1,000	-250	-20.0%
39.5%	1,250	1,000	-250	-20.0%
40.7%	1,250	1,000	-250	-20.0%
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	558	-192	-25.6%
65.4%	750	456	-294	-39.2%
66.7%	750	396	-354	-47.3%
67.9%	750	250	-500	-66.7%
69.1%	750	250	-500	-66.7%
70.4%	334	250	-84	-25.1%
71.6%	272	250	-22	-8.1%
72.8%	250	250	0	0.0%
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	186	-64	-25.7%
90.1%	202	0	-202	-100.0%
91.4%	190	0	-190	-100.0%
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	

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	608	-479	-44.1%
6.2%	793	606	-186	-23.5%
7.4%	723	539	-184	-25.4%
8.6%	674	500	-174	-25.8%
9.9%	606	500	-106	-17.5%
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	499	-1	-0.2%
28.4%	500	418	-82	-16.3%
29.6%	500	342	-158	-31.5%
30.9%	500	254	-246	-49.3%
32.1%	500	250	-250	-50.0%
33.3%	500	250	-250	-50.0%
34.6%	500	250	-250	-50.0%
35.8%	500	250	-250	-50.0%
37.0%	500	250	-250	-50.0%
38.3%	500	250	-250	-50.0%
39.5%	500	250	-250	-50.0%
40.7%	500	250	-250	-50.0%
42.0%	500	250	-250	-50.0%
43.2%	500	188	-312	-62.3%
44.4%	500	182	-318	-63.6%
45.7%	500	171	-329	-65.8%
46.9%	499	147	-353	-70.6%
48.1%	398	117	-281	-70.6%
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	70	-30	-29.9%
70.4%	100	1	-99	-99.3%
71.6%	100	0	-100	-100.0%
72.8%	100	0	-100	-100.0%
74.1%	10	0	-10	
75.3%	5	0	-5	
76.5%	5	0	-5	
77.8%	1	0	-1	
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	

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	1,571	0	0.0%
4.9%	1,127	1,127	0	0.0%
6.2%	877	1,059	182	20.8%
7.4%	697	877	180	25.9%
8.6%	601	601	0	0.0%
9.9%	588	588	0	0.0%
11.1%	514	579	65	12.6%
12.3%	404	545	142	35.1%
13.6%	336	514	178	52.9%
14.8%	250	404	154	61.5%
16.0%	250	357	107	42.8%
17.3%	250	256	6	2.4%
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%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	206	-44	-17.7%
28.4%	250	153	-97	-38.9%
29.6%	250	150	-100	-40.0%
30.9%	250	148	-102	-40.9%
32.1%	250	146	-104	-41.5%
33.3%	250	121	-129	-51.6%
34.6%	250	108	-142	-56.8%
35.8%	250	103	-147	-58.6%
37.0%	250	103	-147	-58.9%
38.3%	250	102	-148	-59.1%
39.5%	213	102	-111	-52.0%
40.7%	157	101	-56	-35.5%
42.0%	146	100	-46	-31.3%
43.2%	135	100	-35	-26.0%
44.4%	121	100	-21	-17.4%
45.7%	103	100	-3	-2.7%
46.9%	103	100	-3	-2.5%
48.1%	102	100	-2	-2.2%
49.4%	102	100	-2	-2.1%
50.6%	101	100	-1	-1.1%
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%	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	29	-71	-71.4%
67.9%	100	2	-98	-97.7%
69.1%	59	2	-57	-96.3%
70.4%	34	0	-34	-100.0%
71.6%	6	0	-6	
72.8%	3	0	-3	
74.1%	2	0	-2	
75.3%	2	0	-2	
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	

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	2,565	-730	-22.2%
2.5%	2,429	2,054	-375	-15.5%
3.7%	1,985	1,985	0	0.0%
4.9%	1,904	1,898	-6	-0.3%
6.2%	1,898	1,893	-6	-0.3%
7.4%	1,814	1,814	0	0.0%
8.6%	1,761	1,761	0	0.0%
9.9%	1,708	1,708	0	0.0%
11.1%	1,398	1,675	277	19.8%
12.3%	1,239	1,336	97	7.8%
13.6%	1,196	1,139	-57	-4.8%
14.8%	1,100	1,112	12	1.1%
16.0%	945	1,100	155	16.4%
17.3%	717	945	228	31.8%
18.5%	658	911	253	38.4%
19.8%	566	849	283	49.9%
21.0%	566	816	250	44.1%
22.2%	565	660	95	16.8%
23.5%	250	566	316	126.5%
24.7%	250	566	316	126.4%
25.9%	250	565	315	126.0%
27.2%	250	399	149	59.5%
28.4%	250	371	121	48.6%
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%	230	250	20	8.9%
37.0%	169	250	81	47.9%
38.3%	168	250	82	48.6%
39.5%	123	250	127	103.2%
40.7%	103	250	147	142.3%
42.0%	103	250	147	143.3%
43.2%	103	250	147	143.6%
44.4%	100	250	150	150.0%
45.7%	100	250	150	150.0%
46.9%	100	250	150	150.0%
48.1%	100	250	150	150.0%
49.4%	100	103	3	2.8%
50.6%	100	103	3	2.6%
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%	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%	15	100	85	
69.1%	0	100	100	
70.4%	0	15	15	
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	

Table SW-05-9b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	1,753	919	110.2%
1.2%	584	1,380	796	136.4%
2.5%	436	1,340	905	207.7%
3.7%	412	781	369	89.7%
4.9%	250	584	334	133.6%
6.2%	250	436	186	74.2%
7.4%	250	412	162	64.7%
8.6%	250	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%	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	144	44	43.7%
24.7%	100	126	26	26.1%
25.9%	100	107	7	7.1%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
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	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	87	87	
59.3%	0	74	74	
60.5%	0	5	5	
61.7%	0	4	4	
63.0%	0	3	3	
64.2%	0	0	0	
65.4%	0	0	0	
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	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,499	235	10.4%
2.5%	1,548	2,264	716	46.2%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,166	19	1.7%
7.4%	1,110	1,147	37	3.4%
8.6%	867	1,110	243	28.0%
9.9%	834	867	33	4.0%
11.1%	712	834	122	17.1%
12.3%	688	712	23	3.4%
13.6%	597	688	91	15.3%
14.8%	529	688	160	30.2%
16.0%	527	603	76	14.5%
17.3%	451	597	146	32.4%
18.5%	325	529	204	62.7%
19.8%	321	524	202	63.0%
21.0%	250	451	201	80.4%
22.2%	238	342	104	43.7%
23.5%	237	325	88	37.0%
24.7%	210	321	112	53.2%
25.9%	206	256	50	24.4%
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	85.8%
37.0%	112	250	138	124.1%
38.3%	111	250	139	125.8%
39.5%	100	250	150	150.0%
40.7%	100	238	138	138.2%
42.0%	100	237	137	137.2%
43.2%	100	210	110	109.9%
44.4%	100	189	89	89.4%
45.7%	100	187	87	87.5%
46.9%	100	135	35	35.4%
48.1%	100	135	35	34.5%
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%	10	100	90	
65.4%	0	100	100	
66.7%	0	49	49	
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	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	1,495	105	7.5%
6.2%	1,367	1,415	48	3.5%
7.4%	1,308	1,025	-283	-21.7%
8.6%	1,258	979	-279	-22.2%
9.9%	979	941	-38	-3.9%
11.1%	906	555	-351	-38.8%
12.3%	832	537	-295	-35.5%
13.6%	556	530	-26	-4.7%
14.8%	555	499	-56	-10.1%
16.0%	505	453	-52	-10.3%
17.3%	505	444	-60	-11.9%
18.5%	499	443	-56	-11.2%
19.8%	453	428	-25	-5.4%
21.0%	444	426	-19	-4.2%
22.2%	428	413	-15	-3.6%
23.5%	426	408	-18	-4.3%
24.7%	418	403	-14	-3.4%
25.9%	413	403	-10	-2.4%
27.2%	408	403	-5	-1.1%
28.4%	403	393	-10	-2.6%
29.6%	403	365	-38	-9.4%
30.9%	393	363	-30	-7.6%
32.1%	390	360	-30	-7.7%
33.3%	365	350	-15	-4.1%
34.6%	350	331	-19	-5.5%
35.8%	331	329	-1	-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	281	-31	-10.0%
42.0%	281	277	-4	-1.3%
43.2%	277	250	-27	-9.8%
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	247	-3	-1.1%
53.1%	201	201	0	0.0%
54.3%	200	200	0	0.0%
55.6%	189	195	7	3.5%
56.8%	177	189	12	6.7%
58.0%	170	177	7	4.1%
59.3%	170	157	-13	-7.7%
60.5%	152	139	-13	-8.6%
61.7%	139	122	-17	-12.4%
63.0%	133	115	-19	-14.0%
64.2%	122	112	-9	-7.7%
65.4%	115	110	-5	-4.2%
66.7%	112	100	-12	-10.8%
67.9%	110	100	-10	-9.0%
69.1%	100	100	0	0.0%
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	100	21	26.4%
80.2%	47	47	0	0.0%
81.5%	0	2	2	
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	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	1,119	-213	-16.0%
4.9%	513	517	4	0.7%
6.2%	437	261	-176	-40.3%
7.4%	366	250	-116	-31.7%
8.6%	250	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	108	-16	-12.8%
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%	0	89	89	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
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	

Table SW-05-9b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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%	2,612	3,000	389	14.9%
3.7%	1,978	1,807	-171	-8.6%
4.9%	1,806	1,500	-306	-17.0%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,500	0	0.0%
9.9%	1,374	1,374	0	0.0%
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	1,250	250	25.0%
18.5%	1,000	1,250	250	25.0%
19.8%	758	1,187	429	56.6%
21.0%	750	1,089	339	45.2%
22.2%	750	1,000	250	33.3%
23.5%	750	766	16	2.1%
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	750	0	0.0%
38.3%	750	750	0	0.0%
39.5%	750	750	0	0.0%
40.7%	464	750	286	61.8%
42.0%	321	464	143	44.6%
43.2%	270	321	51	19.0%
44.4%	250	270	20	7.8%
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	250	0	0.0%
59.3%	245	250	5	2.2%
60.5%	182	245	62	34.1%
61.7%	167	182	16	9.3%
63.0%	147	167	19	13.2%
64.2%	143	147	4	2.9%
65.4%	107	143	37	34.4%
66.7%	106	107	1	0.7%
67.9%	93	106	13	14.2%
69.1%	59	93	33	56.1%
70.4%	57	59	2	4.0%
71.6%	47	57	11	22.7%
72.8%	43	47	4	9.3%
74.1%	42	43	1	2.3%
75.3%	41	41	0	0.0%
76.5%	36	40	4	11.5%
77.8%	35	35	0	0.0%
79.0%	34	0	-34	-100.0%
80.2%	8	0	-8	
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	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	3,300	0	0.0%
9.9%	3,300	2,968	-332	-10.1%
11.1%	3,300	2,958	-342	-10.4%
12.3%	3,300	2,846	-454	-13.8%
13.6%	2,846	2,808	-38	-1.3%
14.8%	2,808	2,750	-58	-2.1%
16.0%	2,750	2,736	-14	-0.5%
17.3%	2,500	2,585	85	3.4%
18.5%	2,500	2,500	0	0.0%
19.8%	2,400	2,500	100	4.2%
21.0%	2,359	2,500	141	6.0%
22.2%	2,296	2,500	204	8.9%
23.5%	2,250	2,400	150	6.7%
24.7%	2,000	2,250	250	12.5%
25.9%	2,000	2,250	250	12.5%
27.2%	2,000	2,050	50	2.5%
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%	1,896	2,000	104	5.5%
37.0%	1,770	2,000	230	13.0%
38.3%	1,750	2,000	250	14.3%
39.5%	1,750	2,000	250	14.3%
40.7%	1,750	2,000	250	14.3%
42.0%	1,750	1,896	146	8.4%
43.2%	1,500	1,770	270	18.0%
44.4%	1,500	1,750	250	16.7%
45.7%	1,500	1,750	250	16.7%
46.9%	1,500	1,750	250	16.7%
48.1%	1,500	1,750	250	16.7%
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	1,011	11	1.1%
93.8%	692	1,000	308	44.5%
95.1%	66	684	618	
96.3%	29	66	37	
97.5%	0	29	29	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	2,750	-550	-16.7%
7.4%	3,300	2,750	-550	-16.7%
8.6%	3,300	2,750	-550	-16.7%
9.9%	3,157	2,750	-407	-12.9%
11.1%	3,047	2,750	-297	-9.7%
12.3%	2,894	2,750	-144	-5.0%
13.6%	2,851	2,750	-101	-3.5%
14.8%	2,848	2,750	-98	-3.4%
16.0%	2,806	2,750	-56	-2.0%
17.3%	2,750	2,500	-250	-9.1%
18.5%	2,750	2,500	-250	-9.1%
19.8%	2,750	2,500	-250	-9.1%
21.0%	2,702	2,500	-202	-7.5%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,315	2,500	185	8.0%
25.9%	2,250	2,500	250	11.1%
27.2%	2,008	2,250	242	12.0%
28.4%	2,000	2,250	250	12.5%
29.6%	2,000	2,250	250	12.5%
30.9%	2,000	2,008	8	0.4%
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%	1,949	2,000	51	2.6%
45.7%	1,901	2,000	99	5.2%
46.9%	1,821	2,000	179	9.8%
48.1%	1,752	2,000	248	14.2%
49.4%	1,750	2,000	250	14.3%
50.6%	1,750	2,000	250	14.3%
51.9%	1,750	2,000	250	14.3%
53.1%	1,750	2,000	250	14.3%
54.3%	1,734	1,949	215	12.4%
55.6%	1,676	1,821	145	8.6%
56.8%	1,673	1,752	79	4.7%
58.0%	1,656	1,750	94	5.7%
59.3%	1,613	1,750	137	8.5%
60.5%	1,500	1,750	250	16.7%
61.7%	1,500	1,734	234	15.6%
63.0%	1,500	1,692	192	12.8%
64.2%	1,500	1,676	176	11.7%
65.4%	1,500	1,656	156	10.4%
66.7%	1,500	1,654	154	10.3%
67.9%	1,500	1,613	113	7.6%
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	1,338	88	7.0%
90.1%	1,161	1,324	164	14.1%
91.4%	1,129	1,250	121	10.7%
92.6%	1,118	1,216	99	8.8%
93.8%	1,000	1,000	0	0.0%
95.1%	1,000	1,000	0	0.0%
96.3%	1,000	1,000	0	0.0%
97.5%	254	736	482	189.9%
98.8%	250	528	278	111.1%
100.0%	250	250	0	0.0%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,300	284	9.4%
1.2%	2,907	2,907	0	0.0%
2.5%	2,750	2,750	0	0.0%
3.7%	2,750	2,750	0	0.0%
4.9%	2,725	2,715	-10	-0.4%
6.2%	2,715	2,647	-68	-2.5%
7.4%	2,647	2,611	-36	-1.4%
8.6%	2,606	2,606	0	0.0%
9.9%	2,599	2,599	0	0.0%
11.1%	2,570	2,570	0	0.0%
12.3%	2,566	2,566	0	0.0%
13.6%	2,550	2,550	0	0.0%
14.8%	2,541	2,541	0	0.0%
16.0%	2,514	2,514	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,445	2,500	55	2.2%
19.8%	2,342	2,500	158	6.7%
21.0%	2,281	2,422	141	6.2%
22.2%	2,061	2,341	281	13.6%
23.5%	2,000	2,065	65	3.3%
24.7%	2,000	2,037	37	1.9%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
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	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%	1,895	2,000	105	5.5%
43.2%	1,673	1,964	291	17.4%
44.4%	1,649	1,830	181	11.0%
45.7%	1,619	1,750	131	8.1%
46.9%	1,548	1,750	202	13.0%
48.1%	1,500	1,750	250	16.7%
49.4%	1,500	1,750	250	16.7%
50.6%	1,500	1,629	129	8.6%
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%	1,320	1,238	-82	-6.2%
75.3%	1,163	1,000	-163	-14.0%
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%	1,000	862	-138	-13.8%
88.9%	1,000	786	-214	-21.4%
90.1%	816	750	-66	-8.1%
91.4%	750	750	0	0.0%
92.6%	750	750	0	0.0%
93.8%	570	250	-320	-56.2%
95.1%	301	250	-51	-16.9%
96.3%	250	250	0	0.0%
97.5%	250	42	-208	-83.2%
98.8%	250	0	-250	-100.0%
100.0%	250	0	-250	-100.0%

Table SW-06-9a
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 D	187	187	189	197	197	191	191	265	181	108	85	148
Difference	2	0	0	0	0	-1	0	0	0	23	-1	0
Percent Difference[3]	1.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	26.7%	-1.6%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative D	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%	0.1%	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 D	200	200	200	192	196	196	196	277	200	143	85	150
Difference	0	0	0	0	0	-9	0	0	0	58	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%	68.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative D	193	193	193	189	189	189	189	269	186	161	85	150
Difference	0	0	0	0	0	0	0	0	0	76	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	89.5%	0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative D	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 D	146	149	163	168	168	168	168	224	120	94	85	133
Difference	12	0	0	0	0	0	0	0	0	9	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.2%	-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

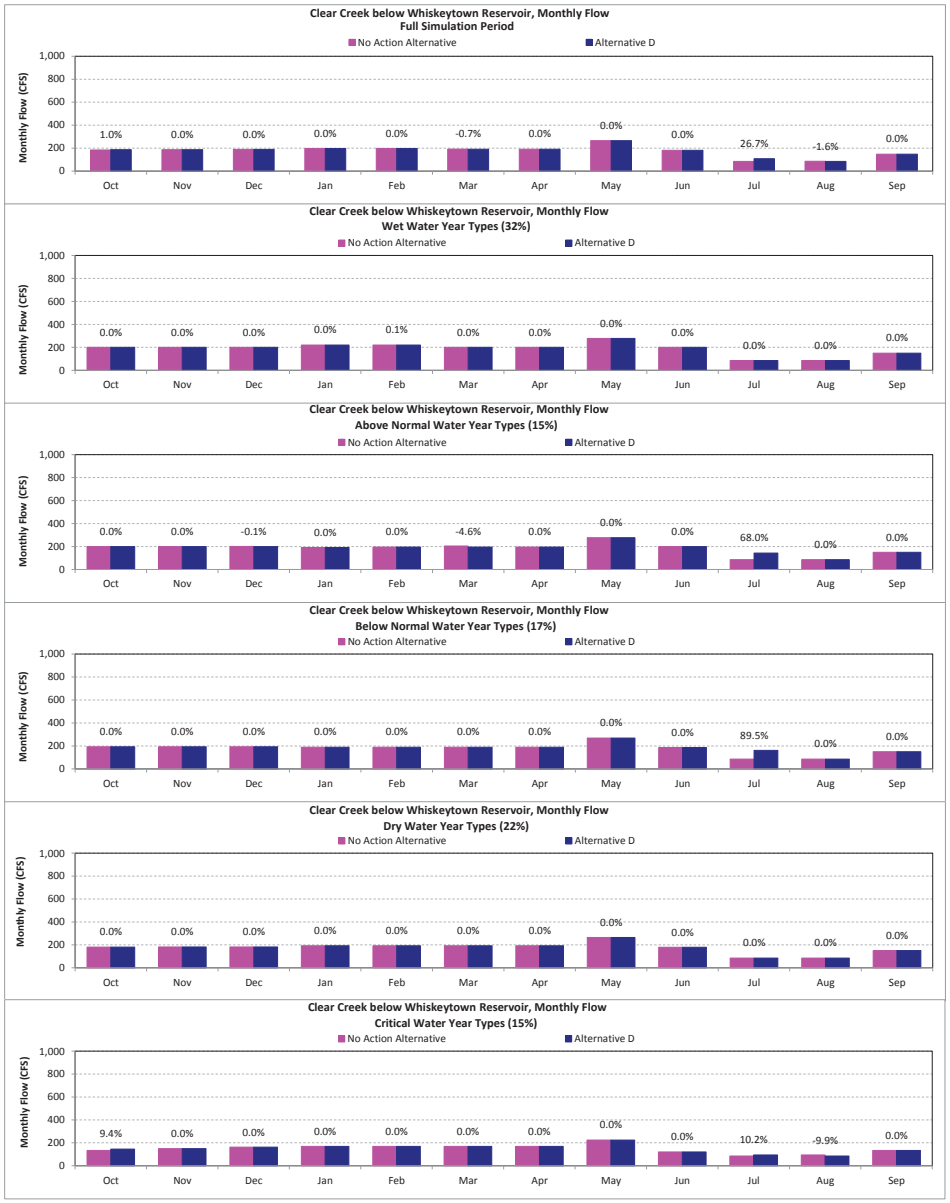

Figure SW-06-9b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

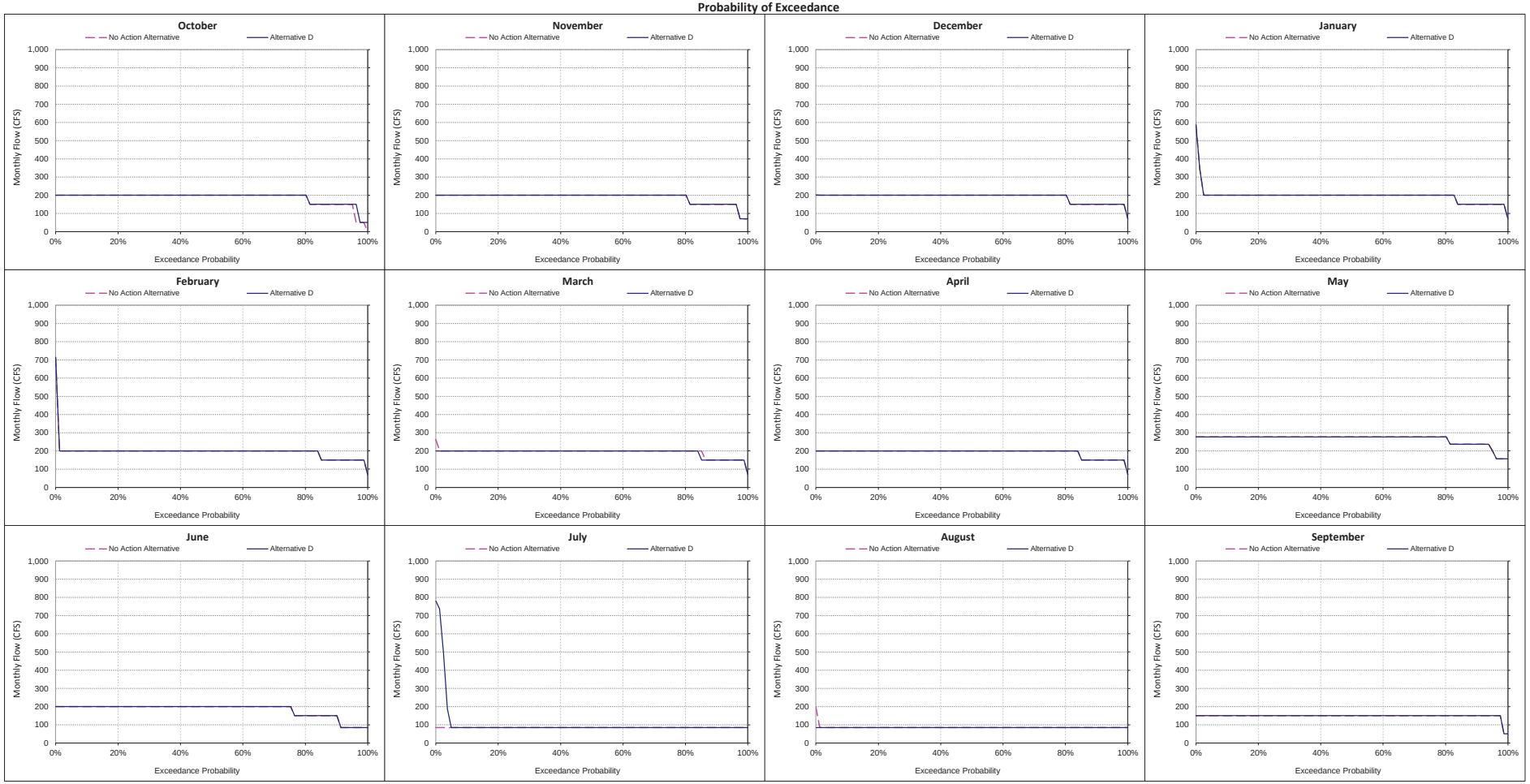

Table SW-06-9b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	50	150	100	200.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	0	50	50	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	70	70	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	203	200	-3	-1.4%
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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	588	588	0	0.0%
1.2%	344	344	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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

Table SW-06-9b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	710	714	5	0.6%
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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	263	200	-63	-23.9%
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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	200	150	-50	-25.0%
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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-9b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	779	694	816.5%
1.2%	85	737	652	767.6%
2.5%	85	498	413	485.6%
3.7%	85	189	104	122.5%
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 D 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 D 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%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	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%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Table SW-07-9a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
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 D	2,680	2,660	2,775	3,022	3,268	3,640	3,943	3,982	3,713	3,248	2,930	2,762
Difference	123	114	63	39	7	24	30	38	79	99	117	132
Percent Difference[3]	4.8%	4.5%	2.3%	1.3%	0.2%	0.7%	0.8%	1.0%	2.2%	3.2%	4.2%	5.0%
	Water Year Types[2]											
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 D	3,105	3,024	3,110	3,421	3,622	3,857	4,315	4,469	4,286	3,886	3,564	3,212
Difference	53	80	12	5	-19	-3	-1	-4	-3	20	46	76
Percent Difference	1.7%	2.7%	0.4%	0.1%	-0.5%	-0.1%	0.0%	-0.1%	-0.1%	0.5%	1.3%	2.4%
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 D	3,071	2,975	3,072	3,157	3,382	3,947	4,384	4,457	4,152	3,595	3,311	3,167
Difference	119	89	15	33	-24	-8	-16	-20	35	51	111	132
Percent Difference	4.0%	3.1%	0.5%	1.1%	-0.7%	-0.2%	-0.4%	-0.4%	0.8%	1.4%	3.5%	4.3%
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 D	2,918	2,959	2,996	2,982	3,305	3,711	4,077	4,109	3,826	3,321	3,013	2,954
Difference	71	35	-14	37	1	14	7	13	64	68	96	93
Percent Difference	2.5%	1.2%	-0.5%	1.3%	0.0%	0.4%	0.2%	0.3%	1.7%	2.1%	3.3%	3.3%
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 D	2,542	2,598	2,800	2,862	3,187	3,691	3,848	3,770	3,471	2,993	2,666	2,601
Difference	219	186	135	34	-2	26	38	45	132	163	181	188
Percent Difference	9.4%	7.7%	5.1%	1.2%	-0.1%	0.7%	1.0%	1.2%	3.9%	5.8%	7.3%	7.8%
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 D	1,300	1,305	1,454	2,307	2,465	2,702	2,684	2,622	2,263	1,813	1,473	1,400
Difference	195	194	201	127	116	124	160	206	238	259	207	213
Percent Difference	17.6%	17.4%	16.0%	5.8%	4.9%	4.8%	6.3%	8.5%	11.8%	16.7%	16.3%	18.0%

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-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

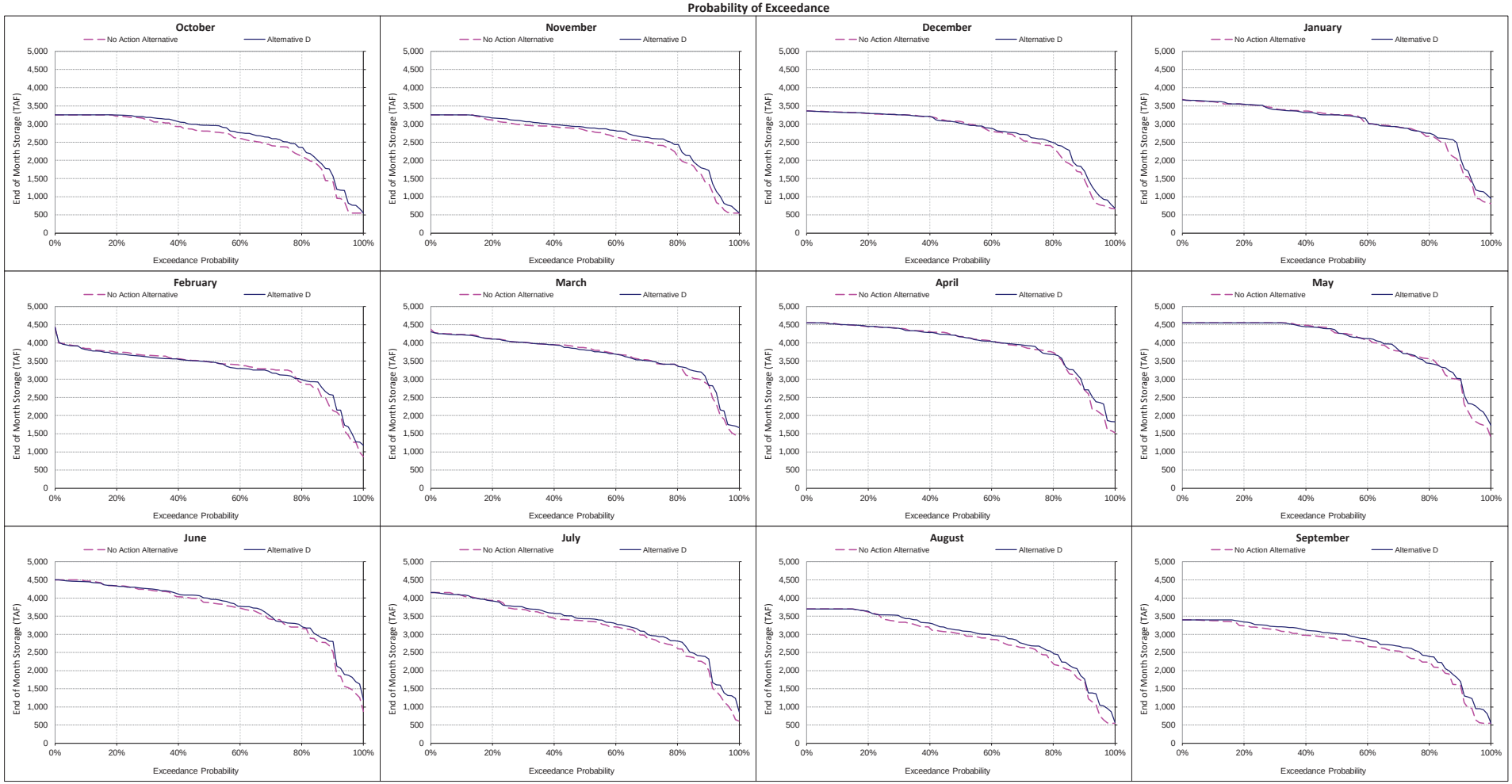

Table SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,250	0	0.0%
18.5%	3,250	3,250	0	0.0%
19.8%	3,217	3,250	33	1.0%
21.0%	3,210	3,246	36	1.1%
22.2%	3,209	3,240	32	1.0%
23.5%	3,198	3,237	39	1.2%
24.7%	3,186	3,229	43	1.4%
25.9%	3,184	3,209	25	0.8%
27.2%	3,173	3,204	31	1.0%
28.4%	3,160	3,201	41	1.3%
29.6%	3,121	3,185	64	2.0%
30.9%	3,110	3,184	74	2.4%
32.1%	3,061	3,171	110	3.6%
33.3%	3,055	3,153	98	3.2%
34.6%	3,048	3,149	102	3.3%
35.8%	3,033	3,133	100	3.3%
37.0%	3,029	3,132	103	3.4%
38.3%	2,946	3,108	161	5.5%
39.5%	2,931	3,076	145	4.9%
40.7%	2,931	3,051	120	4.1%
42.0%	2,871	3,046	175	6.1%
43.2%	2,866	2,999	132	4.6%
44.4%	2,863	2,996	133	4.6%
45.7%	2,825	2,993	169	6.0%
46.9%	2,812	2,972	160	5.7%
48.1%	2,804	2,970	166	5.9%
49.4%	2,804	2,965	161	5.8%
50.6%	2,796	2,960	165	5.9%
51.9%	2,775	2,957	182	6.6%
53.1%	2,769	2,956	187	6.7%
54.3%	2,758	2,910	151	5.5%
55.6%	2,758	2,895	137	5.0%
56.8%	2,709	2,805	96	3.5%
58.0%	2,622	2,798	176	6.7%
59.3%	2,610	2,767	157	6.0%
60.5%	2,598	2,757	158	6.1%
61.7%	2,569	2,746	176	6.9%
63.0%	2,540	2,745	205	8.1%
64.2%	2,537	2,709	172	6.8%
65.4%	2,515	2,677	163	6.5%
66.7%	2,502	2,674	171	6.8%
67.9%	2,450	2,645	195	8.0%
69.1%	2,443	2,637	194	7.9%
70.4%	2,400	2,596	197	8.2%
71.6%	2,395	2,594	199	8.3%
72.8%	2,373	2,566	194	8.2%
74.1%	2,372	2,511	139	5.8%
75.3%	2,365	2,504	139	5.9%
76.5%	2,268	2,462	194	8.5%
77.8%	2,200	2,456	256	11.6%
79.0%	2,147	2,360	213	9.9%
80.2%	2,108	2,351	243	11.5%
81.5%	2,045	2,211	166	8.1%
82.7%	1,983	2,188	205	10.4%
84.0%	1,960	2,104	144	7.4%
85.2%	1,870	1,997	126	6.8%
86.4%	1,758	1,907	149	8.5%
87.7%	1,448	1,779	331	22.9%
88.9%	1,437	1,769	332	23.1%
90.1%	1,410	1,565	155	11.0%
91.4%	953	1,199	246	25.8%
92.6%	947	1,181	235	24.8%
93.8%	867	1,174	306	35.3%
95.1%	591	823	232	39.2%
96.3%	550	767	217	39.4%
97.5%	550	759	209	37.9%
98.8%	550	672	122	22.2%
100.0%	550	550	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,252	0	0.0%
12.3%	3,252	3,250	-2	0.0%
13.6%	3,252	3,241	-11	-0.3%
14.8%	3,214	3,240	27	0.8%
16.0%	3,194	3,215	22	0.7%
17.3%	3,153	3,200	47	1.5%
18.5%	3,122	3,188	66	2.1%
19.8%	3,110	3,172	62	2.0%
21.0%	3,101	3,163	62	2.0%
22.2%	3,061	3,157	96	3.1%
23.5%	3,049	3,148	99	3.3%
24.7%	3,046	3,139	93	3.1%
25.9%	3,019	3,110	91	3.0%
27.2%	3,001	3,105	103	3.4%
28.4%	2,988	3,101	113	3.8%
29.6%	2,987	3,087	100	3.3%
30.9%	2,966	3,065	99	3.3%
32.1%	2,963	3,061	99	3.3%
33.3%	2,954	3,043	89	3.0%
34.6%	2,954	3,037	83	2.8%
35.8%	2,947	3,023	76	2.6%
37.0%	2,945	3,018	73	2.5%
38.3%	2,942	3,000	58	2.0%
39.5%	2,933	2,982	49	1.7%
40.7%	2,918	2,980	62	2.1%
42.0%	2,907	2,972	65	2.2%
43.2%	2,905	2,961	56	1.9%
44.4%	2,894	2,954	60	2.1%
45.7%	2,887	2,936	48	1.7%
46.9%	2,878	2,934	55	1.9%
48.1%	2,875	2,930	55	1.9%
49.4%	2,849	2,917	68	2.4%
50.6%	2,812	2,898	86	3.1%
51.9%	2,808	2,891	83	2.9%
53.1%	2,780	2,891	110	4.0%
54.3%	2,764	2,872	108	3.9%
55.6%	2,761	2,869	108	3.9%
56.8%	2,715	2,866	151	5.6%
58.0%	2,696	2,832	136	5.0%
59.3%	2,650	2,826	177	6.7%
60.5%	2,630	2,809	179	6.8%
61.7%	2,609	2,806	198	7.6%
63.0%	2,580	2,794	214	8.3%
64.2%	2,564	2,727	163	6.4%
65.4%	2,555	2,694	138	5.4%
66.7%	2,555	2,670	115	4.5%
67.9%	2,528	2,653	125	4.9%
69.1%	2,512	2,639	126	5.0%
70.4%	2,504	2,629	125	5.0%
71.6%	2,487	2,607	120	4.8%
72.8%	2,414	2,596	182	7.5%
74.1%	2,412	2,592	180	7.5%
75.3%	2,409	2,590	181	7.5%
76.5%	2,349	2,537	188	8.0%
77.8%	2,313	2,499	186	8.0%
79.0%	2,241	2,439	197	8.8%
80.2%	2,081	2,438	357	17.2%
81.5%	1,974	2,218	244	12.4%
82.7%	1,934	2,138	205	10.6%
84.0%	1,915	2,129	213	11.1%
85.2%	1,841	1,964	123	6.7%
86.4%	1,690	1,871	180	10.7%
87.7%	1,612	1,792	179	11.1%
88.9%	1,411	1,767	356	25.2%
90.1%	1,363	1,724	360	26.4%
91.4%	1,115	1,360	245	22.0%
92.6%	836	1,143	307	36.7%
93.8%	780	1,016	236	30.3%
95.1%	632	818	186	29.4%
96.3%	566	770	204	36.0%
97.5%	552	740	188	34.1%
98.8%	550	640	90	16.3%
100.0%	550	555	5	1.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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%	3,346	3,338	-8	-0.2%
7.4%	3,338	3,335	-3	-0.1%
8.6%	3,335	3,328	-7	-0.2%
9.9%	3,330	3,322	-8	-0.2%
11.1%	3,328	3,319	-9	-0.3%
12.3%	3,322	3,317	-5	-0.2%
13.6%	3,319	3,316	-3	-0.1%
14.8%	3,317	3,316	-1	0.0%
16.0%	3,316	3,314	-2	-0.1%
17.3%	3,310	3,310	0	0.0%
18.5%	3,297	3,306	9	0.3%
19.8%	3,293	3,293	0	0.0%
21.0%	3,285	3,291	6	0.2%
22.2%	3,276	3,285	9	0.3%
23.5%	3,274	3,285	11	0.3%
24.7%	3,267	3,276	9	0.3%
25.9%	3,267	3,267	0	0.0%
27.2%	3,265	3,265	0	0.0%
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	3,241	-7	-0.2%
34.6%	3,243	3,230	-12	-0.4%
35.8%	3,231	3,217	-14	-0.4%
37.0%	3,214	3,215	1	0.0%
38.3%	3,207	3,212	6	0.2%
39.5%	3,204	3,209	5	0.2%
40.7%	3,194	3,188	-6	-0.2%
42.0%	3,168	3,114	-54	-1.7%
43.2%	3,123	3,091	-32	-1.0%
44.4%	3,114	3,087	-26	-0.8%
45.7%	3,087	3,081	-6	-0.2%
46.9%	3,084	3,071	-13	-0.4%
48.1%	3,080	3,058	-22	-0.7%
49.4%	3,078	3,027	-51	-1.6%
50.6%	3,056	3,008	-48	-1.6%
51.9%	3,005	2,987	-18	-0.6%
53.1%	2,991	2,962	-28	-1.0%
54.3%	2,979	2,959	-20	-0.7%
55.6%	2,940	2,949	9	0.3%
56.8%	2,921	2,946	24	0.8%
58.0%	2,864	2,899	35	1.2%
59.3%	2,804	2,888	84	3.0%
60.5%	2,792	2,871	79	2.8%
61.7%	2,775	2,813	38	1.4%
63.0%	2,771	2,799	28	1.0%
64.2%	2,739	2,793	54	2.0%
65.4%	2,728	2,772	44	1.6%
66.7%	2,712	2,765	53	2.0%
67.9%	2,625	2,755	130	5.0%
69.1%	2,618	2,716	97	3.7%
70.4%	2,535	2,715	180	7.1%
71.6%	2,528	2,703	174	6.9%
72.8%	2,496	2,626	130	5.2%
74.1%	2,485	2,611	126	5.1%
75.3%	2,469	2,590	121	4.9%
76.5%	2,413	2,587	175	7.2%
77.8%	2,412	2,556	144	6.0%
79.0%	2,410	2,511	100	4.2%
80.2%	2,327	2,488	161	6.9%
81.5%	2,210	2,413	203	9.2%
82.7%	2,071	2,396	325	15.7%
84.0%	1,963	2,325	362	18.4%
85.2%	1,907	2,276	369	19.4%
86.4%	1,834	1,957	123	6.7%
87.7%	1,695	1,849	154	9.1%
88.9%	1,675	1,838	163	9.7%
90.1%	1,458	1,704	246	16.9%
91.4%	1,231	1,468	238	19.3%
92.6%	980	1,276	296	30.2%
93.8%	826	1,132	306	37.1%
95.1%	777	1,013	236	30.3%
96.3%	750	928	178	23.7%
97.5%	728	908	180	24.8%
98.8%	680	780	100	14.6%
100.0%	667	687	20	3.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,678	3,668	-10	-0.3%
1.2%	3,650	3,657	7	0.2%
2.5%	3,648	3,654	6	0.2%
3.7%	3,640	3,650	10	0.3%
4.9%	3,633	3,648	15	0.4%
6.2%	3,624	3,640	16	0.4%
7.4%	3,624	3,636	12	0.3%
8.6%	3,622	3,624	2	0.1%
9.9%	3,616	3,622	6	0.2%
11.1%	3,604	3,616	12	0.3%
12.3%	3,571	3,615	44	1.2%
13.6%	3,554	3,604	50	1.4%
14.8%	3,552	3,563	11	0.3%
16.0%	3,552	3,552	0	0.0%
17.3%	3,551	3,552	1	0.0%
18.5%	3,550	3,551	1	0.0%
19.8%	3,541	3,549	8	0.2%
21.0%	3,531	3,541	10	0.3%
22.2%	3,528	3,531	3	0.1%
23.5%	3,515	3,528	13	0.4%
24.7%	3,515	3,515	0	0.0%
25.9%	3,489	3,515	26	0.7%
27.2%	3,475	3,454	-21	-0.6%
28.4%	3,461	3,423	-39	-1.1%
29.6%	3,445	3,400	-45	-1.3%
30.9%	3,404	3,390	-14	-0.4%
32.1%	3,391	3,389	-2	-0.1%
33.3%	3,389	3,371	-18	-0.5%
34.6%	3,382	3,368	-14	-0.4%
35.8%	3,371	3,366	-5	-0.1%
37.0%	3,368	3,358	-10	-0.3%
38.3%	3,366	3,339	-28	-0.8%
39.5%	3,358	3,317	-41	-1.2%
40.7%	3,358	3,314	-44	-1.3%
42.0%	3,339	3,313	-26	-0.8%
43.2%	3,326	3,295	-31	-0.9%
44.4%	3,317	3,263	-54	-1.6%
45.7%	3,296	3,252	-44	-1.3%
46.9%	3,286	3,252	-34	-1.0%
48.1%	3,275	3,252	-23	-0.7%
49.4%	3,252	3,252	0	0.0%
50.6%	3,252	3,252	0	0.0%
51.9%	3,252	3,241	-11	-0.3%
53.1%	3,252	3,233	-19	-0.6%
54.3%	3,252	3,223	-29	-0.9%
55.6%	3,228	3,212	-16	-0.5%
56.8%	3,224	3,189	-35	-1.1%
58.0%	3,148	3,171	22	0.7%
59.3%	3,019	3,160	140	4.7%
60.5%	3,017	3,002	-15	-0.5%
61.7%	2,998	2,999	1	0.0%
63.0%	2,980	2,993	13	0.4%
64.2%	2,976	2,952	-24	-0.8%
65.4%	2,966	2,945	-21	-0.7%
66.7%	2,960	2,940	-20	-0.7%
67.9%	2,938	2,932	-6	-0.2%
69.1%	2,924	2,932	8	0.3%
70.4%	2,913	2,913	0	0.0%
71.6%	2,894	2,888	-6	-0.2%
72.8%	2,890	2,882	-8	-0.3%
74.1%	2,877	2,836	-42	-1.4%
75.3%	2,836	2,814	-22	-0.8%
76.5%	2,789	2,808	19	0.7%
77.8%	2,749	2,771	22	0.8%
79.0%	2,662	2,749	87	3.3%
80.2%	2,656	2,740	84	3.2%
81.5%	2,645	2,703	59	2.2%
82.7%	2,576	2,615	39	1.5%
84.0%	2,491	2,614	123	4.9%
85.2%	2,475	2,607	132	5.3%
86.4%	2,185	2,582	397	18.1%
87.7%	2,108	2,570	461	21.9%
88.9%	2,046	2,486	440	21.5%
90.1%	1,878	2,049	171	9.1%
91.4%	1,564	1,768	205	13.1%
92.6%	1,550	1,707	156	10.1%
93.8%	1,369	1,424	55	4.0%
95.1%	953	1,186	233	24.5%
96.3%	939	1,154	215	22.9%
97.5%	868	1,141	273	31.4%
98.8%	835	1,048	213	25.6%
100.0%	813	952	139	17.1%

Table SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,433	4,433	-1	0.0%
1.2%	3,994	4,021	27	0.7%
2.5%	3,986	3,966	-20	-0.5%
3.7%	3,965	3,944	-21	-0.5%
4.9%	3,944	3,920	-24	-0.6%
6.2%	3,920	3,919	-1	0.0%
7.4%	3,914	3,914	0	0.0%
8.6%	3,877	3,848	-29	-0.7%
9.9%	3,848	3,820	-28	-0.7%
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	-42	-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	3,661	-52	-1.4%
25.9%	3,694	3,654	-40	-1.1%
27.2%	3,675	3,636	-39	-1.1%
28.4%	3,661	3,631	-30	-0.8%
29.6%	3,654	3,626	-28	-0.8%
30.9%	3,654	3,610	-44	-1.2%
32.1%	3,647	3,593	-54	-1.5%
33.3%	3,642	3,578	-65	-1.8%
34.6%	3,636	3,573	-63	-1.7%
35.8%	3,636	3,570	-66	-1.8%
37.0%	3,597	3,567	-30	-0.8%
38.3%	3,570	3,560	-10	-0.3%
39.5%	3,567	3,557	-10	-0.3%
40.7%	3,560	3,538	-22	-0.6%
42.0%	3,536	3,530	-6	-0.2%
43.2%	3,530	3,516	-14	-0.4%
44.4%	3,516	3,509	-7	-0.2%
45.7%	3,515	3,503	-12	-0.3%
46.9%	3,503	3,498	-5	-0.2%
48.1%	3,501	3,496	-6	-0.2%
49.4%	3,480	3,480	0	0.0%
50.6%	3,470	3,472	3	0.1%
51.9%	3,462	3,462	0	0.0%
53.1%	3,431	3,431	0	0.0%
54.3%	3,423	3,423	0	0.0%
55.6%	3,420	3,358	-62	-1.8%
56.8%	3,410	3,323	-87	-2.5%
58.0%	3,402	3,310	-93	-2.7%
59.3%	3,397	3,297	-100	-2.9%
60.5%	3,373	3,292	-81	-2.4%
61.7%	3,370	3,288	-82	-2.4%
63.0%	3,341	3,282	-60	-1.8%
64.2%	3,327	3,252	-75	-2.3%
65.4%	3,292	3,252	-40	-1.2%
66.7%	3,288	3,252	-36	-1.1%
67.9%	3,288	3,250	-38	-1.1%
69.1%	3,282	3,225	-56	-1.7%
70.4%	3,272	3,169	-104	-3.2%
71.6%	3,252	3,165	-87	-2.7%
72.8%	3,252	3,118	-134	-4.1%
74.1%	3,252	3,116	-136	-4.2%
75.3%	3,252	3,108	-144	-4.4%
76.5%	3,217	3,089	-128	-4.0%
77.8%	3,073	3,022	-51	-1.7%
79.0%	2,937	3,013	76	2.6%
80.2%	2,890	2,981	91	3.1%
81.5%	2,859	2,950	91	3.2%
82.7%	2,855	2,933	78	2.7%
84.0%	2,753	2,933	179	6.5%
85.2%	2,746	2,924	178	6.5%
86.4%	2,510	2,781	272	10.8%
87.7%	2,492	2,658	166	6.7%
88.9%	2,265	2,586	321	14.2%
90.1%	2,134	2,565	431	20.2%
91.4%	2,094	2,152	59	2.8%
92.6%	1,981	2,149	167	8.4%
93.8%	1,580	1,737	156	9.9%
95.1%	1,457	1,692	235	16.1%
96.3%	1,268	1,501	233	18.4%
97.5%	1,265	1,277	13	1.0%
98.8%	992	1,270	278	28.0%
100.0%	872	1,177	306	35.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,375	4,308	-67	-1.5%
1.2%	4,280	4,280	0	0.0%
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	4,229	-20	-0.5%
7.4%	4,246	4,226	-20	-0.5%
8.6%	4,229	4,226	-3	-0.1%
9.9%	4,226	4,221	-5	-0.1%
11.1%	4,226	4,215	-11	-0.2%
12.3%	4,222	4,210	-12	-0.3%
13.6%	4,221	4,199	-22	-0.5%
14.8%	4,199	4,175	-23	-0.6%
16.0%	4,162	4,162	0	0.0%
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	4,058	-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	3,949	-4	-0.1%
40.7%	3,943	3,940	-3	-0.1%
42.0%	3,940	3,929	-11	-0.3%
43.2%	3,940	3,874	-66	-1.7%
44.4%	3,927	3,873	-54	-1.4%
45.7%	3,918	3,850	-68	-1.7%
46.9%	3,891	3,847	-45	-1.2%
48.1%	3,874	3,821	-54	-1.4%
49.4%	3,873	3,814	-59	-1.5%
50.6%	3,859	3,795	-64	-1.7%
51.9%	3,842	3,791	-51	-1.3%
53.1%	3,797	3,758	-40	-1.0%
54.3%	3,795	3,756	-39	-1.0%
55.6%	3,778	3,741	-37	-1.0%
56.8%	3,756	3,732	-24	-0.6%
58.0%	3,732	3,703	-29	-0.8%
59.3%	3,703	3,703	0	0.0%
60.5%	3,688	3,682	-6	-0.2%
61.7%	3,668	3,667	-1	0.0%
63.0%	3,667	3,623	-43	-1.2%
64.2%	3,657	3,605	-53	-1.4%
65.4%	3,589	3,570	-19	-0.5%
66.7%	3,568	3,534	-34	-1.0%
67.9%	3,543	3,530	-13	-0.4%
69.1%	3,540	3,520	-20	-0.6%
70.4%	3,534	3,504	-30	-0.9%
71.6%	3,504	3,500	-4	-0.1%
72.8%	3,435	3,477	42	1.2%
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	3,347	-12	-0.3%
81.5%	3,274	3,338	65	2.0%
82.7%	3,113	3,317	204	6.6%
84.0%	3,086	3,260	174	5.6%
85.2%	3,018	3,233	215	7.1%
86.4%	3,006	3,211	205	6.8%
87.7%	2,985	3,198	213	7.1%
88.9%	2,912	3,095	183	6.3%
90.1%	2,839	2,830	-9	-0.3%
91.4%	2,479	2,817	338	13.6%
92.6%	2,307	2,627	320	13.9%
93.8%	2,001	2,157	156	7.8%
95.1%	1,896	2,131	235	12.4%
96.3%	1,659	1,755	96	5.8%
97.5%	1,527	1,728	201	13.2%
98.8%	1,465	1,713	248	16.9%
100.0%	1,455	1,672	217	14.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	4,546	-6	-0.1%
7.4%	4,546	4,523	-23	-0.5%
8.6%	4,541	4,522	-19	-0.4%
9.9%	4,522	4,518	-4	-0.1%
11.1%	4,503	4,502	0	0.0%
12.3%	4,500	4,500	0	0.0%
13.6%	4,499	4,498	-1	0.0%
14.8%	4,488	4,498	10	0.2%
16.0%	4,479	4,488	9	0.2%
17.3%	4,470	4,479	9	0.2%
18.5%	4,461	4,472	12	0.3%
19.8%	4,456	4,456	0	0.0%
21.0%	4,451	4,456	5	0.1%
22.2%	4,442	4,451	9	0.2%
23.5%	4,438	4,434	-4	-0.1%
24.7%	4,434	4,428	-6	-0.1%
25.9%	4,432	4,427	-4	-0.1%
27.2%	4,418	4,418	-1	0.0%
28.4%	4,418	4,407	-11	-0.3%
29.6%	4,398	4,405	7	0.2%
30.9%	4,396	4,383	-12	-0.3%
32.1%	4,380	4,341	-38	-0.9%
33.3%	4,341	4,333	-9	-0.2%
34.6%	4,334	4,332	-2	-0.1%
35.8%	4,332	4,329	-4	-0.1%
37.0%	4,332	4,305	-27	-0.6%
38.3%	4,329	4,290	-39	-0.9%
39.5%	4,316	4,289	-27	-0.6%
40.7%	4,292	4,289	-3	-0.1%
42.0%	4,290	4,263	-27	-0.6%
43.2%	4,289	4,237	-52	-1.2%
44.4%	4,289	4,234	-55	-1.3%
45.7%	4,271	4,228	-43	-1.0%
46.9%	4,230	4,217	-13	-0.3%
48.1%	4,217	4,212	-5	-0.1%
49.4%	4,177	4,173	-4	-0.1%
50.6%	4,173	4,163	-10	-0.2%
51.9%	4,137	4,137	0	0.0%
53.1%	4,131	4,131	0	0.0%
54.3%	4,105	4,094	-11	-0.3%
55.6%	4,094	4,074	-20	-0.5%
56.8%	4,085	4,058	-27	-0.7%
58.0%	4,074	4,050	-24	-0.6%
59.3%	4,064	4,049	-14	-0.4%
60.5%	4,058	4,032	-26	-0.6%
61.7%	4,014	4,015	1	0.0%
63.0%	4,001	3,999	-1	0.0%
64.2%	3,990	3,992	2	0.1%
65.4%	3,952	3,976	24	0.6%
66.7%	3,943	3,975	31	0.8%
67.9%	3,928	3,955	27	0.7%
69.1%	3,919	3,951	32	0.8%
70.4%	3,888	3,937	49	1.3%
71.6%	3,850	3,921	70	1.8%
72.8%	3,843	3,915	73	1.9%
74.1%	3,819	3,905	86	2.2%
75.3%	3,812	3,802	-11	-0.3%
76.5%	3,796	3,724	-72	-1.9%
77.8%	3,762	3,697	-65	-1.7%
79.0%	3,758	3,685	-73	-1.9%
80.2%	3,724	3,682	-42	-1.1%
81.5%	3,612	3,652	40	1.1%
82.7%	3,525	3,576	51	1.4%
84.0%	3,306	3,346	40	1.2%
85.2%	3,147	3,267	120	3.8%
86.4%	3,127	3,263	136	4.4%
87.7%	2,991	3,134	143	4.8%
88.9%	2,835	3,014	179	6.3%
90.1%	2,699	2,712	13	0.5%
91.4%	2,598	2,707	109	4.2%
92.6%	2,163	2,521	358	16.5%
93.8%	2,148	2,382	234	10.9%
95.1%	2,069	2,361	292	14.1%
96.3%	1,998	2,319	321	16.0%
97.5%	1,588	1,865	278	17.5%
98.8%	1,583	1,835	252	15.9%
100.0%	1,527	1,829	302	19.8%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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%	4,552	4,552	0	0.0%
8.6%	4,552	4,552	0	0.0%
9.9%	4,552	4,552	0	0.0%
11.1%	4,552	4,552	0	0.0%
12.3%	4,552	4,552	0	0.0%
13.6%	4,552	4,552	0	0.0%
14.8%	4,552	4,552	0	0.0%
16.0%	4,552	4,552	0	0.0%
17.3%	4,552	4,552	0	0.0%
18.5%	4,552	4,552	0	0.0%
19.8%	4,552	4,552	0	0.0%
21.0%	4,552	4,552	0	0.0%
22.2%	4,552	4,552	0	0.0%
23.5%	4,552	4,552	0	0.0%
24.7%	4,552	4,552	0	0.0%
25.9%	4,552	4,552	0	0.0%
27.2%	4,552	4,552	0	0.0%
28.4%	4,552	4,552	0	0.0%
29.6%	4,552	4,552	0	0.0%
30.9%	4,552	4,552	0	0.0%
32.1%	4,552	4,552	0	0.0%
33.3%	4,552	4,543	-9	-0.2%
34.6%	4,543	4,526	-16	-0.4%
35.8%	4,528	4,513	-16	-0.3%
37.0%	4,495	4,492	-3	-0.1%
38.3%	4,494	4,459	-35	-0.8%
39.5%	4,487	4,450	-37	-0.8%
40.7%	4,482	4,448	-34	-0.8%
42.0%	4,458	4,435	-23	-0.5%
43.2%	4,450	4,434	-16	-0.4%
44.4%	4,440	4,420	-20	-0.4%
45.7%	4,429	4,398	-31	-0.7%
46.9%	4,425	4,391	-34	-0.8%
48.1%	4,358	4,391	33	0.8%
49.4%	4,278	4,360	81	1.9%
50.6%	4,265	4,262	-3	-0.1%
51.9%	4,259	4,256	-3	-0.1%
53.1%	4,258	4,224	-34	-0.8%
54.3%	4,224	4,173	-51	-1.2%
55.6%	4,222	4,157	-65	-1.5%
56.8%	4,155	4,155	0	0.0%
58.0%	4,134	4,127	-6	-0.2%
59.3%	4,082	4,122	40	1.0%
60.5%	4,079	4,121	42	1.0%
61.7%	4,004	4,105	102	2.5%
63.0%	4,001	4,052	51	1.3%
64.2%	3,941	4,033	92	2.3%
65.4%	3,934	3,971	37	1.0%
66.7%	3,859	3,971	112	2.9%
67.9%	3,813	3,965	151	4.0%
69.1%	3,785	3,884	99	2.6%
70.4%	3,778	3,787	9	0.2%
71.6%	3,759	3,708	-51	-1.4%
72.8%	3,714	3,698	-16	-0.4%
74.1%	3,647	3,678	31	0.8%
75.3%	3,626	3,649	24	0.6%
76.5%	3,622	3,567	-55	-1.5%
77.8%	3,589	3,537	-52	-1.4%
79.0%	3,573	3,447	-126	-3.5%
80.2%	3,557	3,438	-119	-3.4%
81.5%	3,523	3,414	-109	-3.1%
82.7%	3,406	3,385	-22	-0.6%
84.0%	3,326	3,327	1	0.0%
85.2%	3,125	3,313	188	6.0%
86.4%	3,049	3,231	182	6.0%
87.7%	3,012	3,185	173	5.8%
88.9%	3,006	3,026	21	0.7%
90.1%	2,975	3,016	41	1.4%
91.4%	2,308	2,545	237	10.3%
92.6%	2,124	2,331	207	9.7%
93.8%	1,927	2,318	391	20.3%
95.1%	1,834	2,262	428	23.3%
96.3%	1,769	2,167	398	22.5%
97.5%	1,735	2,094	360	20.7%
98.8%	1,678	1,926	249	14.8%
100.0%	1,397	1,731	334	23.9%

Table SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	4,471	-29	-0.6%
4.9%	4,500	4,465	-35	-0.8%
6.2%	4,500	4,457	-43	-0.9%
7.4%	4,500	4,457	-43	-1.0%
8.6%	4,500	4,457	-43	-1.0%
9.9%	4,465	4,448	-17	-0.4%
11.1%	4,465	4,446	-19	-0.4%
12.3%	4,463	4,424	-39	-0.9%
13.6%	4,439	4,414	-25	-0.6%
14.8%	4,420	4,410	-9	-0.2%
16.0%	4,349	4,362	13	0.3%
17.3%	4,348	4,349	1	0.0%
18.5%	4,341	4,349	7	0.2%
19.8%	4,339	4,331	-8	-0.2%
21.0%	4,332	4,323	-10	-0.2%
22.2%	4,329	4,322	-6	-0.1%
23.5%	4,318	4,299	-19	-0.4%
24.7%	4,287	4,298	11	0.3%
25.9%	4,273	4,298	25	0.6%
27.2%	4,244	4,276	32	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	4,230	38	0.9%
34.6%	4,187	4,203	15	0.4%
35.8%	4,181	4,201	20	0.5%
37.0%	4,165	4,187	22	0.5%
38.3%	4,078	4,155	77	1.9%
39.5%	4,036	4,124	88	2.2%
40.7%	4,033	4,092	58	1.4%
42.0%	4,027	4,085	58	1.4%
43.2%	4,012	4,085	72	1.8%
44.4%	3,990	4,081	91	2.3%
45.7%	3,987	4,071	84	2.1%
46.9%	3,973	4,062	89	2.2%
48.1%	3,886	4,002	116	3.0%
49.4%	3,881	3,999	118	3.0%
50.6%	3,870	3,963	92	2.4%
51.9%	3,852	3,962	110	2.9%
53.1%	3,839	3,946	108	2.8%
54.3%	3,832	3,919	87	2.3%
55.6%	3,783	3,909	125	3.3%
56.8%	3,774	3,866	92	2.4%
58.0%	3,749	3,844	95	2.5%
59.3%	3,737	3,772	34	0.9%
60.5%	3,711	3,771	59	1.6%
61.7%	3,682	3,760	78	2.1%
63.0%	3,662	3,757	95	2.6%
64.2%	3,659	3,728	70	1.9%
65.4%	3,610	3,719	109	3.0%
66.7%	3,565	3,684	120	3.4%
67.9%	3,538	3,619	82	2.3%
69.1%	3,429	3,545	116	3.4%
70.4%	3,412	3,463	51	1.5%
71.6%	3,412	3,369	-43	-1.3%
72.8%	3,401	3,345	-55	-1.6%
74.1%	3,299	3,339	41	1.2%
75.3%	3,228	3,310	83	2.6%
76.5%	3,201	3,305	104	3.2%
77.8%	3,200	3,299	99	3.1%
79.0%	3,200	3,281	81	2.5%
80.2%	3,155	3,201	46	1.5%
81.5%	3,152	3,170	19	0.6%
82.7%	2,894	3,170	277	9.6%
84.0%	2,886	3,026	140	4.8%
85.2%	2,782	2,972	190	6.8%
86.4%	2,779	2,902	123	4.4%
87.7%	2,772	2,877	105	3.8%
88.9%	2,690	2,807	117	4.3%
90.1%	2,509	2,804	295	11.8%
91.4%	1,869	2,128	259	13.9%
92.6%	1,843	2,064	221	12.0%
93.8%	1,563	1,897	335	21.4%
95.1%	1,531	1,870	340	22.2%
96.3%	1,476	1,816	339	23.0%
97.5%	1,360	1,689	329	24.2%
98.8%	1,260	1,629	369	29.3%
100.0%	878	1,198	320	36.4%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	4,140	-10	-0.2%
3.7%	4,150	4,120	-30	-0.7%
4.9%	4,150	4,106	-44	-1.1%
6.2%	4,150	4,102	-48	-1.2%
7.4%	4,112	4,098	-15	-0.4%
8.6%	4,100	4,095	-4	-0.1%
9.9%	4,079	4,080	1	0.0%
11.1%	4,039	4,079	40	1.0%
12.3%	4,036	4,058	22	0.5%
13.6%	4,026	3,995	-31	-0.8%
14.8%	3,995	3,994	-1	0.0%
16.0%	3,975	3,967	-8	-0.2%
17.3%	3,973	3,961	-12	-0.3%
18.5%	3,943	3,938	-6	-0.1%
19.8%	3,935	3,918	-16	-0.4%
21.0%	3,931	3,909	-22	-0.6%
22.2%	3,917	3,885	-32	-0.8%
23.5%	3,866	3,803	-63	-1.6%
24.7%	3,728	3,785	57	1.5%
25.9%	3,718	3,781	63	1.7%
27.2%	3,699	3,770	71	1.9%
28.4%	3,698	3,766	69	1.9%
29.6%	3,689	3,758	69	1.9%
30.9%	3,677	3,719	42	1.1%
32.1%	3,635	3,698	62	1.7%
33.3%	3,623	3,688	65	1.8%
34.6%	3,620	3,682	62	1.7%
35.8%	3,585	3,661	76	2.1%
37.0%	3,568	3,621	53	1.5%
38.3%	3,480	3,594	114	3.3%
39.5%	3,462	3,586	124	3.6%
40.7%	3,413	3,574	161	4.7%
42.0%	3,408	3,571	163	4.8%
43.2%	3,408	3,518	110	3.2%
44.4%	3,400	3,509	109	3.2%
45.7%	3,389	3,509	120	3.5%
46.9%	3,388	3,455	68	2.0%
48.1%	3,380	3,431	52	1.5%
49.4%	3,375	3,430	54	1.6%
50.6%	3,361	3,429	68	2.0%
51.9%	3,355	3,423	68	2.0%
53.1%	3,346	3,421	75	2.2%
54.3%	3,334	3,400	66	2.0%
55.6%	3,278	3,391	113	3.4%
56.8%	3,257	3,331	74	2.3%
58.0%	3,207	3,327	120	3.7%
59.3%	3,206	3,315	110	3.4%
60.5%	3,200	3,269	69	2.2%
61.7%	3,174	3,263	90	2.8%
63.0%	3,149	3,238	89	2.8%
64.2%	3,137	3,212	75	2.4%
65.4%	3,113	3,188	75	2.4%
66.7%	3,038	3,156	119	3.9%
67.9%	2,984	3,092	108	3.6%
69.1%	2,977	3,083	106	3.5%
70.4%	2,890	2,994	114	4.0%
71.6%	2,873	2,967	94	3.3%
72.8%	2,846	2,955	109	3.8%
74.1%	2,778	2,937	160	5.7%
75.3%	2,770	2,937	168	6.1%
76.5%	2,733	2,894	161	5.9%
77.8%	2,712	2,825	113	4.2%
79.0%	2,674	2,825	151	5.6%
80.2%	2,600	2,808	208	8.0%
81.5%	2,593	2,779	186	7.2%
82.7%	2,397	2,661	264	11.0%
84.0%	2,383	2,507	124	5.2%
85.2%	2,361	2,484	124	5.2%
86.4%	2,261	2,418	157	6.9%
87.7%	2,258	2,404	146	6.5%
88.9%	2,192	2,392	199	9.1%
90.1%	1,997	2,323	326	16.3%
91.4%	1,509	1,673	164	10.9%
92.6%	1,423	1,610	187	13.1%
93.8%	1,305	1,600	294	22.5%
95.1%	1,139	1,391	252	22.2%
96.3%	1,040	1,314	274	26.3%
97.5%	897	1,306	409	45.5%
98.8%	650	1,240	590	90.8%
100.0%	606	862	256	42.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,700	0	0.0%
14.8%	3,700	3,700	0	0.0%
16.0%	3,682	3,685	3	0.1%
17.3%	3,652	3,665	14	0.4%
18.5%	3,651	3,648	-3	-0.1%
19.8%	3,619	3,644	26	0.7%
21.0%	3,592	3,583	-9	-0.2%
22.2%	3,572	3,547	-25	-0.7%
23.5%	3,539	3,540	1	0.0%
24.7%	3,420	3,536	116	3.4%
25.9%	3,402	3,534	132	3.9%
27.2%	3,380	3,531	151	4.5%
28.4%	3,367	3,527	160	4.8%
29.6%	3,334	3,525	192	5.8%
30.9%	3,333	3,470	137	4.1%
32.1%	3,331	3,435	104	3.1%
33.3%	3,297	3,430	132	4.0%
34.6%	3,286	3,402	116	3.5%
35.8%	3,250	3,394	144	4.4%
37.0%	3,217	3,325	109	3.4%
38.3%	3,210	3,318	108	3.4%
39.5%	3,205	3,312	106	3.3%
40.7%	3,112	3,293	181	5.8%
42.0%	3,107	3,254	147	4.7%
43.2%	3,090	3,212	122	4.0%
44.4%	3,074	3,200	126	4.1%
45.7%	3,066	3,160	94	3.1%
46.9%	3,060	3,147	87	2.8%
48.1%	3,039	3,127	88	2.9%
49.4%	3,019	3,120	101	3.4%
50.6%	3,017	3,089	72	2.4%
51.9%	2,951	3,085	133	4.5%
53.1%	2,947	3,077	130	4.4%
54.3%	2,941	3,048	107	3.6%
55.6%	2,931	3,016	86	2.9%
56.8%	2,901	3,007	106	3.7%
58.0%	2,897	2,998	101	3.5%
59.3%	2,864	2,997	133	4.6%
60.5%	2,858	2,966	109	3.8%
61.7%	2,851	2,955	103	3.6%
63.0%	2,793	2,952	159	5.7%
64.2%	2,749	2,933	184	6.7%
65.4%	2,701	2,883	182	6.7%
66.7%	2,698	2,870	172	6.4%
67.9%	2,673	2,847	174	6.5%
69.1%	2,642	2,771	129	4.9%
70.4%	2,635	2,737	102	3.9%
71.6%	2,634	2,708	75	2.8%
72.8%	2,617	2,685	68	2.6%
74.1%	2,585	2,680	94	3.6%
75.3%	2,483	2,678	195	7.8%
76.5%	2,438	2,624	186	7.6%
77.8%	2,434	2,569	134	5.5%
79.0%	2,280	2,534	255	11.2%
80.2%	2,169	2,462	293	13.5%
81.5%	2,146	2,440	294	13.7%
82.7%	2,097	2,236	140	6.7%
84.0%	2,045	2,228	182	8.9%
85.2%	2,018	2,144	126	6.3%
86.4%	1,932	2,082	149	7.7%
87.7%	1,805	2,053	248	13.7%
88.9%	1,734	1,862	128	7.4%
90.1%	1,719	1,769	50	2.9%
91.4%	1,220	1,383	163	13.4%
92.6%	1,142	1,382	239	21.0%
93.8%	1,064	1,364	299	28.1%
95.1%	757	1,049	292	38.5%
96.3%	642	1,031	389	60.7%
97.5%	557	956	398	71.4%
98.8%	550	868	318	57.8%
100.0%	550	578	28	5.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,400	3,400	0	0.0%
4.9%	3,398	3,400	2	0.0%
6.2%	3,391	3,400	9	0.3%
7.4%	3,384	3,400	16	0.5%
8.6%	3,380	3,400	20	0.6%
9.9%	3,378	3,400	22	0.7%
11.1%	3,376	3,400	24	0.7%
12.3%	3,374	3,400	26	0.8%
13.6%	3,353	3,400	47	1.4%
14.8%	3,352	3,400	48	1.4%
16.0%	3,349	3,400	51	1.5%
17.3%	3,333	3,377	44	1.3%
18.5%	3,242	3,360	118	3.6%
19.8%	3,237	3,339	103	3.2%
21.0%	3,232	3,333	101	3.1%
22.2%	3,199	3,315	115	3.6%
23.5%	3,198	3,272	74	2.3%
24.7%	3,187	3,264	77	2.4%
25.9%	3,170	3,258	87	2.8%
27.2%	3,160	3,251	91	2.9%
28.4%	3,146	3,222	75	2.4%
29.6%	3,144	3,213	69	2.2%
30.9%	3,119	3,210	91	2.9%
32.1%	3,083	3,208	124	4.0%
33.3%	3,078	3,200	122	4.0%
34.6%	3,064	3,189	125	4.1%
35.8%	3,028	3,185	157	5.2%
37.0%	3,022	3,176	154	5.1%
38.3%	2,979	3,150	171	5.7%
39.5%	2,976	3,125	149	5.0%
40.7%	2,970	3,101	131	4.4%
42.0%	2,964	3,095	132	4.4%
43.2%	2,955	3,090	135	4.6%
44.4%	2,941	3,075	134	4.5%
45.7%	2,929	3,050	121	4.1%
46.9%	2,921	3,049	128	4.4%
48.1%	2,896	3,033	138	4.8%
49.4%	2,891	3,020	129	4.4%
50.6%	2,844	3,016	171	6.0%
51.9%	2,838	3,005	167	5.9%
53.1%	2,830	2,997	167	5.9%
54.3%	2,823	2,956	133	4.7%
55.6%	2,821	2,935	115	4.1%
56.8%	2,796	2,907	111	4.0%
58.0%	2,796	2,885	89	3.2%
59.3%	2,708	2,877	168	6.2%
60.5%	2,664	2,849	186	7.0%
61.7%	2,658	2,814	157	5.9%
63.0%	2,646	2,812	166	6.3%
64.2%	2,630	2,723	92	3.5%
65.4%	2,615	2,720	105	4.0%
66.7%	2,569	2,716	146	5.7%
67.9%	2,554	2,707	152	6.0%
69.1%	2,545	2,687	142	5.6%
70.4%	2,538	2,673	135	5.3%
71.6%	2,491	2,639	147	5.9%
72.8%	2,399	2,628	229	9.6%
74.1%	2,335	2,615	280	12.0%
75.3%	2,332	2,558	226	9.7%
76.5%	2,315	2,526	211	9.1%
77.8%	2,237	2,427	190	8.5%
79.0%	2,233	2,408	175	7.8%
80.2%	2,228	2,381	153	6.9%
81.5%	2,099	2,380	282	13.4%
82.7%	2,086	2,229	143	6.9%
84.0%	2,055	2,222	167	8.1%
85.2%	1,928	2,055	127	6.6%
86.4%	1,906	1,990	84	4.4%
87.7%	1,623	1,898	275	17.0%
88.9%	1,615	1,814	198	12.3%
90.1%	1,609	1,700	91	5.7%
91.4%	1,118	1,302	183	16.4%
92.6%	971	1,274	303	31.3%
93.8%	965	1,228	263	27.3%
95.1%	640	950	310	48.3%
96.3%	569	950	381	67.0%
97.5%	550	923	373	67.9%
98.8%	550	814	264	48.0%
100.0%	550	550	0	0.0%

Table SW-08-9a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative D	987	986	992	1,005	1,016	1,032	1,043	1,045	1,034	1,014	999	991
Difference	7	7	4	3	1	1	2	2	4	6	7	8
Percent Difference[3]	0.7%	0.7%	0.4%	0.3%	0.1%	0.1%	0.2%	0.2%	0.4%	0.6%	0.7%	0.8%
	Water Year Types[2]											
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 D	1,010	1,007	1,011	1,024	1,033	1,042	1,059	1,064	1,057	1,043	1,031	1,015
Difference	2	4	1	0	-1	0	0	0	0	1	2	3
Percent Difference	0.2%	0.4%	0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.3%
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 D	1,009	1,005	1,009	1,011	1,022	1,045	1,061	1,064	1,053	1,032	1,020	1,013
Difference	5	4	1	2	-1	0	-1	-1	1	2	5	6
Percent Difference	0.5%	0.4%	0.1%	0.2%	-0.1%	0.0%	-0.1%	-0.1%	0.1%	0.2%	0.5%	0.6%
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 D	1,002	1,004	1,005	1,002	1,017	1,034	1,049	1,051	1,040	1,020	1,006	1,004
Difference	3	2	0	2	0	1	0	0	2	3	4	4
Percent Difference	0.3%	0.2%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.2%	0.3%	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 D	984	986	996	998	1,012	1,034	1,040	1,037	1,025	1,005	990	987
Difference	12	10	8	3	1	2	2	2	6	8	10	10
Percent Difference	1.2%	1.0%	0.8%	0.3%	0.1%	0.2%	0.2%	0.2%	0.6%	0.8%	1.0%	1.0%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative D	902	902	914	968	978	991	990	987	968	941	916	910
Difference	17	16	16	10	8	7	9	12	15	21	18	19
Percent Difference	1.9%	1.8%	1.7%	1.1%	0.9%	0.7%	0.9%	1.2%	1.6%	2.2%	2.0%	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-08-9b
Shasta Lake, End of Month Elevation
Probability of Exceedance

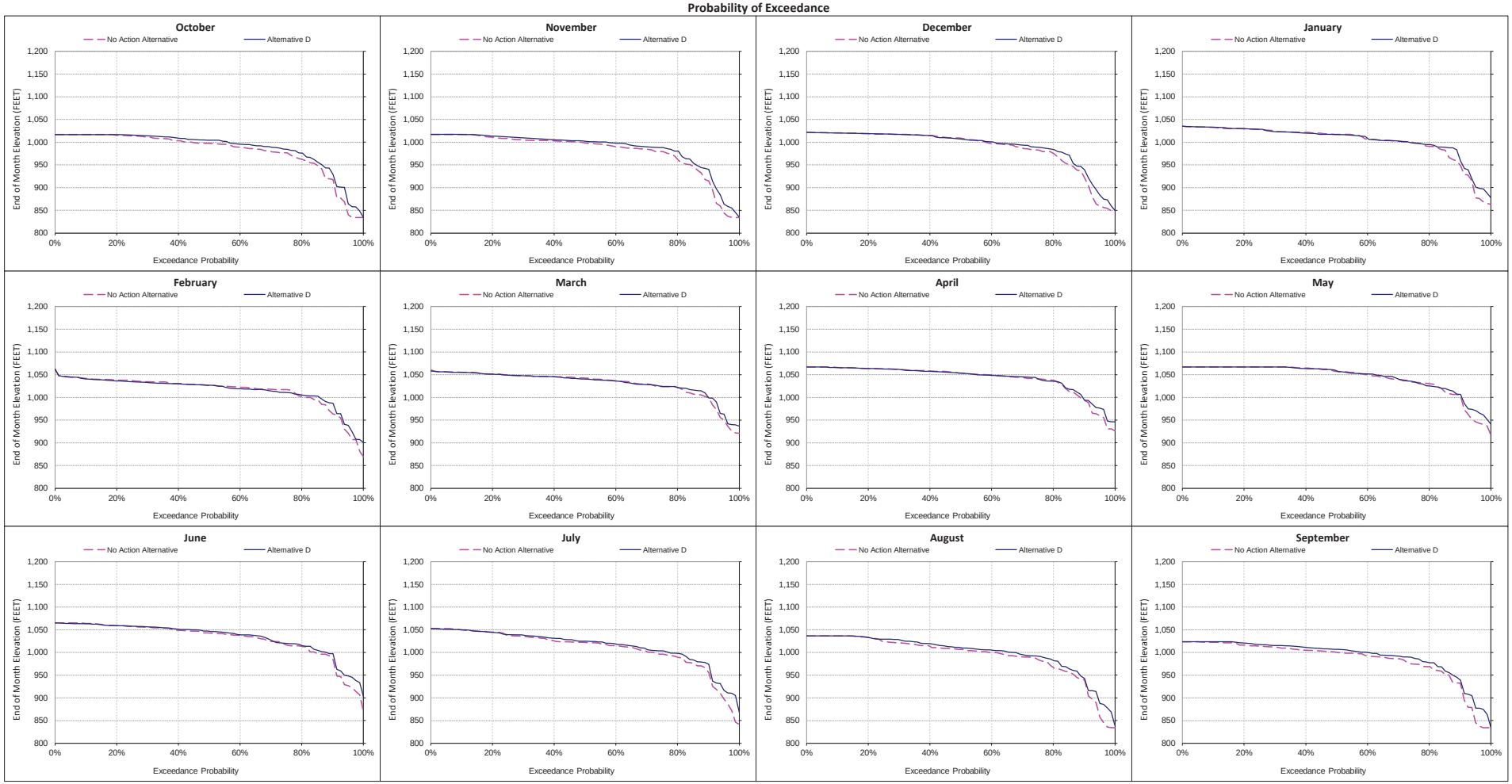

Table SW-08-9b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	1,017	1	0.1%
21.0%	1,015	1,017	2	0.2%
22.2%	1,015	1,016	1	0.1%
23.5%	1,015	1,016	2	0.2%
24.7%	1,014	1,016	2	0.2%
25.9%	1,014	1,015	1	0.1%
27.2%	1,014	1,015	1	0.1%
28.4%	1,013	1,015	2	0.2%
29.6%	1,011	1,014	3	0.3%
30.9%	1,011	1,014	3	0.3%
32.1%	1,009	1,013	5	0.5%
33.3%	1,008	1,013	4	0.4%
34.6%	1,008	1,013	4	0.4%
35.8%	1,007	1,012	4	0.4%
37.0%	1,007	1,012	4	0.4%
38.3%	1,004	1,011	7	0.7%
39.5%	1,003	1,009	6	0.6%
40.7%	1,003	1,008	5	0.5%
42.0%	1,000	1,008	8	0.8%
43.2%	1,000	1,006	6	0.6%
44.4%	1,000	1,006	6	0.6%
45.7%	998	1,006	7	0.7%
46.9%	998	1,005	7	0.7%
48.1%	998	1,005	7	0.7%
49.4%	998	1,005	7	0.7%
50.6%	997	1,004	7	0.7%
51.9%	996	1,004	8	0.8%
53.1%	996	1,004	8	0.8%
54.3%	996	1,002	7	0.7%
55.6%	996	1,002	6	0.6%
56.8%	993	998	4	0.4%
58.0%	990	997	8	0.8%
59.3%	989	996	7	0.7%
60.5%	989	995	7	0.7%
61.7%	987	995	8	0.8%
63.0%	986	995	9	0.9%
64.2%	986	993	7	0.8%
65.4%	985	992	7	0.7%
66.7%	984	992	8	0.8%
67.9%	981	991	9	1.0%
69.1%	981	990	9	1.0%
70.4%	978	989	10	1.0%
71.6%	978	988	10	1.0%
72.8%	977	987	10	1.1%
74.1%	977	985	8	0.8%
75.3%	977	984	8	0.8%
76.5%	971	982	11	1.1%
77.8%	967	982	15	1.5%
79.0%	964	976	12	1.3%
80.2%	962	976	14	1.4%
81.5%	958	968	9	1.0%
82.7%	955	966	12	1.2%
84.0%	954	962	8	0.9%
85.2%	948	956	7	0.8%
86.4%	942	951	8	0.9%
87.7%	921	943	23	2.5%
88.9%	920	943	23	2.5%
90.1%	918	929	11	1.2%
91.4%	878	902	25	2.8%
92.6%	877	901	24	2.7%
93.8%	869	900	32	3.6%
95.1%	840	864	24	2.9%
96.3%	834	858	24	2.9%
97.5%	834	857	23	2.8%
98.8%	834	848	14	1.7%
100.0%	834	834	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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%	1,015	1,016	1	0.1%
16.0%	1,014	1,015	1	0.1%
17.3%	1,013	1,015	2	0.2%
18.5%	1,011	1,014	3	0.3%
19.8%	1,011	1,014	3	0.3%
21.0%	1,010	1,013	3	0.3%
22.2%	1,009	1,013	4	0.4%
23.5%	1,008	1,012	4	0.4%
24.7%	1,008	1,012	4	0.4%
25.9%	1,007	1,011	4	0.4%
27.2%	1,006	1,011	4	0.4%
28.4%	1,006	1,010	5	0.5%
29.6%	1,005	1,010	4	0.4%
30.9%	1,005	1,009	4	0.4%
32.1%	1,004	1,009	4	0.4%
33.3%	1,004	1,008	4	0.4%
34.6%	1,004	1,008	4	0.4%
35.8%	1,004	1,007	3	0.3%
37.0%	1,004	1,007	3	0.3%
38.3%	1,004	1,006	2	0.2%
39.5%	1,003	1,005	2	0.2%
40.7%	1,002	1,005	3	0.3%
42.0%	1,002	1,005	3	0.3%
43.2%	1,002	1,004	2	0.2%
44.4%	1,001	1,004	3	0.3%
45.7%	1,001	1,003	2	0.2%
46.9%	1,001	1,003	2	0.2%
48.1%	1,001	1,003	2	0.2%
49.4%	999	1,002	3	0.3%
50.6%	998	1,002	4	0.4%
51.9%	998	1,001	4	0.4%
53.1%	997	1,001	5	0.5%
54.3%	996	1,001	5	0.5%
55.6%	996	1,000	5	0.5%
56.8%	994	1,000	7	0.7%
58.0%	993	999	6	0.6%
59.3%	991	999	8	0.8%
60.5%	990	998	8	0.8%
61.7%	989	998	9	0.9%
63.0%	988	997	9	0.9%
64.2%	987	994	7	0.7%
65.4%	987	993	6	0.6%
66.7%	987	992	5	0.5%
67.9%	986	991	5	0.5%
69.1%	985	990	6	0.6%
70.4%	984	990	6	0.6%
71.6%	983	989	6	0.6%
72.8%	979	989	9	0.9%
74.1%	979	988	9	0.9%
75.3%	979	988	9	0.9%
76.5%	976	986	10	1.1%
77.8%	974	984	11	1.1%
79.0%	969	981	11	1.2%
80.2%	960	981	20	2.1%
81.5%	954	968	14	1.4%
82.7%	952	964	12	1.2%
84.0%	951	963	12	1.3%
85.2%	947	954	7	0.7%
86.4%	938	948	10	1.1%
87.7%	933	944	11	1.2%
88.9%	918	943	25	2.7%
90.1%	914	940	26	2.8%
91.4%	894	914	20	2.2%
92.6%	866	897	32	3.7%
93.8%	860	884	25	2.9%
95.1%	844	864	19	2.3%
96.3%	837	859	22	2.6%
97.5%	835	855	21	2.5%
98.8%	834	845	11	1.3%
100.0%	834	835	1	0.1%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	1,020	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	1,019	0	0.0%
19.8%	1,019	1,019	0	0.0%
21.0%	1,018	1,019	0	0.0%
22.2%	1,018	1,018	0	0.0%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,018	0	0.0%
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	1,017	0	0.0%
34.6%	1,017	1,016	-1	-0.1%
35.8%	1,016	1,015	-1	-0.1%
37.0%	1,015	1,015	0	0.0%
38.3%	1,015	1,015	0	0.0%
39.5%	1,015	1,015	0	0.0%
40.7%	1,014	1,014	0	0.0%
42.0%	1,013	1,011	-2	-0.2%
43.2%	1,011	1,010	-1	-0.1%
44.4%	1,011	1,010	-1	-0.1%
45.7%	1,010	1,010	0	0.0%
46.9%	1,010	1,009	-1	-0.1%
48.1%	1,010	1,009	-1	-0.1%
49.4%	1,009	1,007	-2	-0.2%
50.6%	1,008	1,006	-2	-0.2%
51.9%	1,006	1,005	-1	-0.1%
53.1%	1,006	1,004	-1	-0.1%
54.3%	1,005	1,004	-1	-0.1%
55.6%	1,003	1,004	0	0.0%
56.8%	1,003	1,004	1	0.1%
58.0%	1,000	1,002	2	0.2%
59.3%	998	1,001	4	0.4%
60.5%	997	1,000	3	0.3%
61.7%	996	998	2	0.2%
63.0%	996	997	1	0.1%
64.2%	995	997	2	0.2%
65.4%	994	996	2	0.2%
66.7%	994	996	2	0.2%
67.9%	990	995	6	0.6%
69.1%	989	994	4	0.4%
70.4%	986	994	8	0.8%
71.6%	986	993	8	0.8%
72.8%	984	990	6	0.6%
74.1%	983	989	6	0.6%
75.3%	982	988	6	0.6%
76.5%	979	988	9	0.9%
77.8%	979	987	8	0.8%
79.0%	979	985	6	0.6%
80.2%	974	983	9	0.9%
81.5%	968	979	12	1.2%
82.7%	960	978	18	1.9%
84.0%	954	974	21	2.2%
85.2%	951	971	21	2.2%
86.4%	946	953	7	0.7%
87.7%	938	947	9	0.9%
88.9%	937	947	9	1.0%
90.1%	921	939	18	1.9%
91.4%	905	922	17	1.9%
92.6%	880	908	27	3.1%
93.8%	864	896	32	3.7%
95.1%	859	884	25	2.9%
96.3%	857	875	19	2.2%
97.5%	854	873	19	2.2%
98.8%	849	860	10	1.2%
100.0%	848	850	2	0.2%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,035	0	0.0%
1.2%	1,034	1,035	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	1,034	1	0.1%
6.2%	1,033	1,034	1	0.1%
7.4%	1,033	1,034	1	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,032	1,033	1	0.1%
12.3%	1,031	1,033	2	0.2%
13.6%	1,030	1,032	2	0.2%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,030	1,030	0	0.0%
19.8%	1,030	1,030	0	0.0%
21.0%	1,029	1,030	0	0.0%
22.2%	1,029	1,029	0	0.0%
23.5%	1,028	1,029	1	0.1%
24.7%	1,028	1,028	0	0.0%
25.9%	1,027	1,028	1	0.1%
27.2%	1,027	1,026	-1	-0.1%
28.4%	1,026	1,024	-2	-0.2%
29.6%	1,025	1,023	-2	-0.2%
30.9%	1,024	1,023	-1	-0.1%
32.1%	1,023	1,023	0	0.0%
33.3%	1,023	1,022	-1	-0.1%
34.6%	1,023	1,022	-1	-0.1%
35.8%	1,022	1,022	0	0.0%
37.0%	1,022	1,022	0	0.0%
38.3%	1,022	1,021	-1	-0.1%
39.5%	1,022	1,020	-2	-0.2%
40.7%	1,022	1,020	-2	-0.2%
42.0%	1,021	1,020	-1	-0.1%
43.2%	1,020	1,019	-1	-0.1%
44.4%	1,020	1,017	-2	-0.2%
45.7%	1,019	1,017	-2	-0.2%
46.9%	1,018	1,017	-1	-0.1%
48.1%	1,018	1,017	-1	-0.1%
49.4%	1,017	1,017	0	0.0%
50.6%	1,017	1,017	0	0.0%
51.9%	1,017	1,017	0	0.0%
53.1%	1,017	1,016	-1	-0.1%
54.3%	1,017	1,016	-1	-0.1%
55.6%	1,016	1,015	-1	-0.1%
56.8%	1,016	1,014	-2	-0.1%
58.0%	1,012	1,013	1	0.1%
59.3%	1,007	1,013	6	0.6%
60.5%	1,007	1,006	-1	-0.1%
61.7%	1,006	1,006	0	0.0%
63.0%	1,005	1,006	1	0.1%
64.2%	1,005	1,004	-1	-0.1%
65.4%	1,005	1,004	-1	-0.1%
66.7%	1,004	1,003	-1	-0.1%
67.9%	1,003	1,003	0	0.0%
69.1%	1,003	1,003	0	0.0%
70.4%	1,002	1,002	0	0.0%
71.6%	1,001	1,001	0	0.0%
72.8%	1,001	1,001	0	0.0%
74.1%	1,001	999	-2	-0.2%
75.3%	999	998	-1	-0.1%
76.5%	997	998	1	0.1%
77.8%	995	996	1	0.1%
79.0%	991	995	4	0.4%
80.2%	991	995	4	0.4%
81.5%	991	993	3	0.3%
82.7%	988	989	2	0.2%
84.0%	984	989	6	0.6%
85.2%	983	989	6	0.6%
86.4%	966	988	22	2.2%
87.7%	962	987	25	2.6%
88.9%	958	983	25	2.6%
90.1%	949	959	10	1.0%
91.4%	929	943	14	1.5%
92.6%	928	939	11	1.2%
93.8%	915	919	4	0.4%
95.1%	878	901	24	2.7%
96.3%	876	899	22	2.6%
97.5%	869	897	28	3.3%
98.8%	865	888	22	2.6%
100.0%	863	877	14	1.7%

Table SW-08-9b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,063	1,063	0	0.0%
1.2%	1,047	1,048	1	0.1%
2.5%	1,047	1,046	-1	-0.1%
3.7%	1,046	1,045	-1	-0.1%
4.9%	1,045	1,044	-1	-0.1%
6.2%	1,044	1,044	0	0.0%
7.4%	1,044	1,044	0	0.0%
8.6%	1,043	1,042	-1	-0.1%
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	1,034	-2	-0.2%
27.2%	1,035	1,034	-2	-0.2%
28.4%	1,035	1,033	-1	-0.1%
29.6%	1,034	1,033	-1	-0.1%
30.9%	1,034	1,033	-2	-0.2%
32.1%	1,034	1,032	-2	-0.2%
33.3%	1,034	1,031	-3	-0.3%
34.6%	1,034	1,031	-3	-0.3%
35.8%	1,034	1,031	-3	-0.3%
37.0%	1,032	1,031	-1	-0.1%
38.3%	1,031	1,030	0	0.0%
39.5%	1,031	1,030	0	0.0%
40.7%	1,030	1,029	-1	-0.1%
42.0%	1,029	1,029	0	0.0%
43.2%	1,029	1,028	-1	-0.1%
44.4%	1,028	1,028	0	0.0%
45.7%	1,028	1,028	-1	-0.1%
46.9%	1,028	1,028	0	0.0%
48.1%	1,028	1,028	0	0.0%
49.4%	1,027	1,027	0	0.0%
50.6%	1,026	1,027	0	0.0%
51.9%	1,026	1,026	0	0.0%
53.1%	1,025	1,025	0	0.0%
54.3%	1,024	1,024	0	0.0%
55.6%	1,024	1,022	-3	-0.3%
56.8%	1,024	1,020	-4	-0.4%
58.0%	1,024	1,019	-4	-0.4%
59.3%	1,023	1,019	-4	-0.4%
60.5%	1,022	1,019	-3	-0.3%
61.7%	1,022	1,019	-4	-0.3%
63.0%	1,021	1,018	-3	-0.3%
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	1,013	-4	-0.4%
71.6%	1,017	1,013	-4	-0.4%
72.8%	1,017	1,011	-6	-0.6%
74.1%	1,017	1,011	-6	-0.6%
75.3%	1,017	1,011	-6	-0.6%
76.5%	1,015	1,010	-6	-0.5%
77.8%	1,009	1,007	-2	-0.2%
79.0%	1,003	1,007	3	0.3%
80.2%	1,001	1,005	4	0.4%
81.5%	1,000	1,004	4	0.4%
82.7%	1,000	1,003	3	0.3%
84.0%	995	1,003	8	0.8%
85.2%	995	1,003	8	0.8%
86.4%	985	997	12	1.2%
87.7%	984	991	8	0.8%
88.9%	971	988	17	1.8%
90.1%	963	987	24	2.5%
91.4%	961	964	3	0.3%
92.6%	955	964	9	1.0%
93.8%	930	941	11	1.1%
95.1%	921	938	17	1.9%
96.3%	907	924	17	1.9%
97.5%	907	908	1	0.1%
98.8%	882	907	26	2.9%
100.0%	869	901	32	3.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,061	1,058	-2	-0.2%
1.2%	1,057	1,057	0	0.0%
2.5%	1,057	1,056	-1	-0.1%
3.7%	1,056	1,056	0	0.0%
4.9%	1,056	1,056	0	0.0%
6.2%	1,056	1,055	-1	-0.1%
7.4%	1,056	1,055	-1	-0.1%
8.6%	1,055	1,055	0	0.0%
9.9%	1,055	1,055	0	0.0%
11.1%	1,055	1,055	0	0.0%
12.3%	1,055	1,055	0	0.0%
13.6%	1,055	1,054	-1	-0.1%
14.8%	1,054	1,054	-1	-0.1%
16.0%	1,053	1,053	0	0.0%
17.3%	1,052	1,052	0	0.0%
18.5%	1,052	1,051	0	0.0%
19.8%	1,051	1,051	0	0.0%
21.0%	1,051	1,051	0	0.0%
22.2%	1,051	1,051	0	0.0%
23.5%	1,050	1,050	-1	-0.1%
24.7%	1,050	1,049	0	0.0%
25.9%	1,048	1,048	0	0.0%
27.2%	1,048	1,048	0	0.0%
28.4%	1,048	1,048	0	0.0%
29.6%	1,048	1,048	0	0.0%
30.9%	1,048	1,048	0	0.0%
32.1%	1,047	1,047	0	0.0%
33.3%	1,047	1,047	0	0.0%
34.6%	1,046	1,046	0	0.0%
35.8%	1,046	1,046	0	0.0%
37.0%	1,046	1,046	0	0.0%
38.3%	1,046	1,046	0	0.0%
39.5%	1,046	1,045	0	0.0%
40.7%	1,045	1,045	0	0.0%
42.0%	1,045	1,045	0	0.0%
43.2%	1,045	1,043	-2	-0.2%
44.4%	1,045	1,043	-2	-0.2%
45.7%	1,044	1,042	-2	-0.2%
46.9%	1,043	1,042	-2	-0.2%
48.1%	1,043	1,041	-2	-0.2%
49.4%	1,043	1,041	-2	-0.2%
50.6%	1,042	1,040	-2	-0.2%
51.9%	1,042	1,040	-2	-0.2%
53.1%	1,040	1,039	-1	-0.1%
54.3%	1,040	1,039	-1	-0.1%
55.6%	1,039	1,038	-1	-0.1%
56.8%	1,039	1,038	-1	-0.1%
58.0%	1,038	1,037	-1	-0.1%
59.3%	1,037	1,037	0	0.0%
60.5%	1,036	1,036	0	0.0%
61.7%	1,035	1,035	0	0.0%
63.0%	1,035	1,033	-2	-0.2%
64.2%	1,035	1,032	-2	-0.2%
65.4%	1,032	1,031	-1	-0.1%
66.7%	1,031	1,029	-1	-0.1%
67.9%	1,030	1,029	-1	-0.1%
69.1%	1,029	1,029	-1	-0.1%
70.4%	1,029	1,028	-1	-0.1%
71.6%	1,028	1,028	0	0.0%
72.8%	1,025	1,027	2	0.2%
74.1%	1,024	1,025	1	0.1%
75.3%	1,024	1,024	0	0.0%
76.5%	1,024	1,024	0	0.0%
77.8%	1,024	1,024	0	0.0%
79.0%	1,024	1,024	0	0.0%
80.2%	1,022	1,021	-1	0.0%
81.5%	1,018	1,021	3	0.3%
82.7%	1,011	1,020	9	0.9%
84.0%	1,010	1,017	8	0.7%
85.2%	1,007	1,016	9	0.9%
86.4%	1,006	1,015	9	0.9%
87.7%	1,005	1,015	9	0.9%
88.9%	1,002	1,010	8	0.8%
90.1%	999	999	0	0.0%
91.4%	983	998	15	1.5%
92.6%	973	990	17	1.7%
93.8%	956	965	9	0.9%
95.1%	950	963	13	1.4%
96.3%	936	942	6	0.6%
97.5%	926	940	14	1.5%
98.8%	922	940	18	1.9%
100.0%	921	937	16	1.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	1,066	-1	-0.1%
8.6%	1,067	1,066	-1	-0.1%
9.9%	1,066	1,066	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	1,065	0	0.0%
14.8%	1,065	1,065	0	0.0%
16.0%	1,064	1,065	0	0.0%
17.3%	1,064	1,064	0	0.0%
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	1,063	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	1,062	0	0.0%
28.4%	1,062	1,062	0	0.0%
29.6%	1,061	1,062	0	0.0%
30.9%	1,061	1,061	0	0.0%
32.1%	1,061	1,059	-1	-0.1%
33.3%	1,059	1,059	0	0.0%
34.6%	1,059	1,059	0	0.0%
35.8%	1,059	1,059	0	0.0%
37.0%	1,059	1,058	-1	-0.1%
38.3%	1,059	1,058	-1	-0.1%
39.5%	1,059	1,058	-1	-0.1%
40.7%	1,058	1,058	0	0.0%
42.0%	1,058	1,057	-1	-0.1%
43.2%	1,058	1,056	-2	-0.2%
44.4%	1,058	1,056	-2	-0.2%
45.7%	1,057	1,055	-2	-0.1%
46.9%	1,055	1,055	0	0.0%
48.1%	1,055	1,055	0	0.0%
49.4%	1,054	1,053	0	0.0%
50.6%	1,053	1,053	0	0.0%
51.9%	1,052	1,052	0	0.0%
53.1%	1,052	1,052	0	0.0%
54.3%	1,051	1,051	0	0.0%
55.6%	1,051	1,050	-1	-0.1%
56.8%	1,050	1,049	-1	-0.1%
58.0%	1,050	1,049	-1	-0.1%
59.3%	1,050	1,049	-1	0.0%
60.5%	1,049	1,048	-1	-0.1%
61.7%	1,048	1,048	0	0.0%
63.0%	1,047	1,047	0	0.0%
64.2%	1,047	1,047	0	0.0%
65.4%	1,046	1,046	1	0.1%
66.7%	1,045	1,046	1	0.1%
67.9%	1,045	1,046	1	0.1%
69.1%	1,044	1,046	1	0.1%
70.4%	1,043	1,045	2	0.2%
71.6%	1,042	1,044	3	0.2%
72.8%	1,042	1,044	3	0.2%
74.1%	1,041	1,044	3	0.3%
75.3%	1,041	1,040	0	0.0%
76.5%	1,040	1,037	-3	-0.2%
77.8%	1,039	1,036	-2	-0.2%
79.0%	1,039	1,036	-3	-0.3%
80.2%	1,037	1,036	-2	-0.2%
81.5%	1,033	1,034	2	0.2%
82.7%	1,029	1,031	2	0.2%
84.0%	1,019	1,021	2	0.2%
85.2%	1,012	1,018	5	0.5%
86.4%	1,012	1,017	6	0.6%
87.7%	1,006	1,012	6	0.6%
88.9%	999	1,007	8	0.8%
90.1%	993	994	1	0.1%
91.4%	989	993	5	0.5%
92.6%	965	985	20	2.1%
93.8%	964	977	13	1.4%
95.1%	960	976	17	1.7%
96.3%	956	974	18	1.9%
97.5%	931	948	17	1.9%
98.8%	930	946	16	1.7%
100.0%	926	946	20	2.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,067	1,067	0	0.0%
22.2%	1,067	1,067	0	0.0%
23.5%	1,067	1,067	0	0.0%
24.7%	1,067	1,067	0	0.0%
25.9%	1,067	1,067	0	0.0%
27.2%	1,067	1,067	0	0.0%
28.4%	1,067	1,067	0	0.0%
29.6%	1,067	1,067	0	0.0%
30.9%	1,067	1,067	0	0.0%
32.1%	1,067	1,067	0	0.0%
33.3%	1,067	1,067	0	0.0%
34.6%	1,067	1,066	-1	-0.1%
35.8%	1,066	1,066	-1	-0.1%
37.0%	1,065	1,065	0	0.0%
38.3%	1,065	1,064	-1	-0.1%
39.5%	1,065	1,063	-1	-0.1%
40.7%	1,064	1,063	-1	-0.1%
42.0%	1,064	1,063	-1	-0.1%
43.2%	1,063	1,063	-1	-0.1%
44.4%	1,063	1,062	-1	-0.1%
45.7%	1,063	1,061	-1	-0.1%
46.9%	1,062	1,061	-1	-0.1%
48.1%	1,060	1,061	1	0.1%
49.4%	1,057	1,060	3	0.3%
50.6%	1,057	1,057	0	0.0%
51.9%	1,057	1,056	0	0.0%
53.1%	1,056	1,055	-1	-0.1%
54.3%	1,055	1,053	-2	-0.2%
55.6%	1,055	1,053	-2	-0.2%
56.8%	1,053	1,053	0	0.0%
58.0%	1,052	1,052	0	0.0%
59.3%	1,050	1,052	1	0.1%
60.5%	1,050	1,052	1	0.1%
61.7%	1,047	1,051	4	0.3%
63.0%	1,047	1,049	2	0.2%
64.2%	1,045	1,048	3	0.3%
65.4%	1,045	1,046	1	0.1%
66.7%	1,042	1,046	4	0.4%
67.9%	1,041	1,046	5	0.5%
69.1%	1,040	1,043	4	0.3%
70.4%	1,039	1,040	0	0.0%
71.6%	1,039	1,037	-2	-0.2%
72.8%	1,037	1,036	-1	-0.1%
74.1%	1,034	1,035	1	0.1%
75.3%	1,033	1,034	1	0.1%
76.5%	1,033	1,031	-2	-0.2%
77.8%	1,032	1,029	-2	-0.2%
79.0%	1,031	1,025	-5	-0.5%
80.2%	1,030	1,025	-5	-0.5%
81.5%	1,029	1,024	-5	-0.5%
82.7%	1,024	1,023	-1	-0.1%
84.0%	1,020	1,020	0	0.0%
85.2%	1,011	1,020	8	0.8%
86.4%	1,008	1,016	8	0.8%
87.7%	1,007	1,014	8	0.7%
88.9%	1,006	1,007	1	0.1%
90.1%	1,005	1,007	2	0.2%
91.4%	973	986	13	1.3%
92.6%	963	975	12	1.2%
93.8%	952	974	22	2.3%
95.1%	946	971	24	2.6%
96.3%	943	965	23	2.4%
97.5%	941	961	20	2.2%
98.8%	937	952	14	1.5%
100.0%	917	941	24	2.6%

Table SW-08-9b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	-1	-0.1%
6.2%	1,065	1,064	-2	-0.1%
7.4%	1,065	1,064	-2	-0.1%
8.6%	1,065	1,064	-2	-0.1%
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	1,060	0	0.0%
18.5%	1,059	1,060	0	0.0%
19.8%	1,059	1,059	0	0.0%
21.0%	1,059	1,059	0	0.0%
22.2%	1,059	1,059	0	0.0%
23.5%	1,059	1,058	-1	-0.1%
24.7%	1,058	1,058	0	0.0%
25.9%	1,057	1,058	1	0.1%
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	1,055	1	0.1%
34.6%	1,054	1,055	1	0.1%
35.8%	1,054	1,054	1	0.1%
37.0%	1,053	1,054	1	0.1%
38.3%	1,050	1,053	3	0.3%
39.5%	1,049	1,052	3	0.3%
40.7%	1,048	1,051	2	0.2%
42.0%	1,048	1,050	2	0.2%
43.2%	1,048	1,050	3	0.2%
44.4%	1,047	1,050	3	0.3%
45.7%	1,047	1,050	3	0.3%
46.9%	1,046	1,049	3	0.3%
48.1%	1,043	1,047	4	0.4%
49.4%	1,043	1,047	4	0.4%
50.6%	1,043	1,046	3	0.3%
51.9%	1,042	1,046	4	0.4%
53.1%	1,041	1,045	4	0.4%
54.3%	1,041	1,044	3	0.3%
55.6%	1,040	1,044	4	0.4%
56.8%	1,039	1,042	3	0.3%
58.0%	1,038	1,042	3	0.3%
59.3%	1,038	1,039	1	0.1%
60.5%	1,037	1,039	2	0.2%
61.7%	1,036	1,039	3	0.3%
63.0%	1,035	1,039	4	0.4%
64.2%	1,035	1,038	3	0.3%
65.4%	1,033	1,037	5	0.5%
66.7%	1,031	1,036	5	0.5%
67.9%	1,029	1,033	4	0.3%
69.1%	1,025	1,030	5	0.5%
70.4%	1,024	1,026	2	0.2%
71.6%	1,024	1,022	-2	-0.2%
72.8%	1,023	1,021	-2	-0.2%
74.1%	1,019	1,021	2	0.2%
75.3%	1,016	1,020	4	0.4%
76.5%	1,015	1,019	5	0.4%
77.8%	1,015	1,019	4	0.4%
79.0%	1,015	1,018	4	0.3%
80.2%	1,013	1,015	2	0.2%
81.5%	1,013	1,013	1	0.1%
82.7%	1,001	1,013	12	1.2%
84.0%	1,001	1,007	6	0.6%
85.2%	997	1,005	8	0.8%
86.4%	996	1,002	5	0.5%
87.7%	996	1,001	5	0.5%
88.9%	993	998	5	0.5%
90.1%	985	998	13	1.3%
91.4%	948	963	15	1.5%
92.6%	947	959	13	1.3%
93.8%	929	950	21	2.3%
95.1%	927	948	22	2.4%
96.3%	923	945	23	2.5%
97.5%	914	938	24	2.6%
98.8%	907	934	27	3.0%
100.0%	870	902	32	3.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,053	1,053	0	0.0%
1.2%	1,053	1,053	0	0.0%
2.5%	1,053	1,052	0	0.0%
3.7%	1,053	1,052	-1	-0.1%
4.9%	1,053	1,051	-2	-0.1%
6.2%	1,053	1,051	-2	-0.2%
7.4%	1,051	1,051	-1	0.0%
8.6%	1,051	1,051	0	0.0%
9.9%	1,050	1,050	0	0.0%
11.1%	1,049	1,050	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	1,046	0	0.0%
18.5%	1,045	1,045	0	0.0%
19.8%	1,045	1,044	-1	-0.1%
21.0%	1,045	1,044	-1	-0.1%
22.2%	1,044	1,043	-1	-0.1%
23.5%	1,042	1,040	-2	-0.2%
24.7%	1,038	1,040	2	0.2%
25.9%	1,037	1,039	2	0.2%
27.2%	1,036	1,039	3	0.3%
28.4%	1,036	1,039	3	0.2%
29.6%	1,036	1,039	3	0.3%
30.9%	1,035	1,037	2	0.2%
32.1%	1,034	1,036	3	0.3%
33.3%	1,033	1,036	3	0.3%
34.6%	1,033	1,036	3	0.3%
35.8%	1,031	1,035	3	0.3%
37.0%	1,031	1,033	2	0.2%
38.3%	1,027	1,032	5	0.5%
39.5%	1,026	1,031	5	0.5%
40.7%	1,024	1,031	7	0.7%
42.0%	1,024	1,031	7	0.7%
43.2%	1,024	1,029	5	0.5%
44.4%	1,023	1,028	5	0.5%
45.7%	1,023	1,028	5	0.5%
46.9%	1,023	1,026	3	0.3%
48.1%	1,023	1,025	2	0.2%
49.4%	1,022	1,025	2	0.2%
50.6%	1,022	1,025	3	0.3%
51.9%	1,021	1,024	3	0.3%
53.1%	1,021	1,024	3	0.3%
54.3%	1,021	1,023	3	0.3%
55.6%	1,018	1,023	5	0.5%
56.8%	1,017	1,020	3	0.3%
58.0%	1,015	1,020	5	0.5%
59.3%	1,015	1,020	5	0.5%
60.5%	1,015	1,018	3	0.3%
61.7%	1,014	1,017	4	0.4%
63.0%	1,013	1,016	4	0.4%
64.2%	1,012	1,015	3	0.3%
65.4%	1,011	1,014	3	0.3%
66.7%	1,008	1,013	5	0.5%
67.9%	1,005	1,010	5	0.5%
69.1%	1,005	1,010	5	0.5%
70.4%	1,001	1,006	5	0.5%
71.6%	1,001	1,005	4	0.4%
72.8%	999	1,004	5	0.5%
74.1%	996	1,003	7	0.7%
75.3%	996	1,003	7	0.7%
76.5%	994	1,001	7	0.7%
77.8%	994	998	5	0.5%
79.0%	992	998	7	0.7%
80.2%	989	998	9	0.9%
81.5%	988	996	8	0.8%
82.7%	978	991	13	1.3%
84.0%	978	985	7	0.7%
85.2%	976	983	7	0.7%
86.4%	971	980	9	0.9%
87.7%	970	979	8	0.9%
88.9%	967	978	11	1.2%
90.1%	956	974	18	1.9%
91.4%	925	937	12	1.3%
92.6%	919	932	14	1.5%
93.8%	910	932	22	2.4%
95.1%	897	916	19	2.2%
96.3%	887	911	24	2.7%
97.5%	872	910	38	4.4%
98.8%	846	905	59	7.0%
100.0%	842	868	27	3.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	0	0.0%
16.0%	1,036	1,036	0	0.0%
17.3%	1,034	1,035	1	0.1%
18.5%	1,034	1,034	0	0.0%
19.8%	1,033	1,034	1	0.1%
21.0%	1,032	1,031	0	0.0%
22.2%	1,031	1,030	-1	-0.1%
23.5%	1,029	1,029	0	0.0%
24.7%	1,024	1,029	5	0.5%
25.9%	1,024	1,029	6	0.6%
27.2%	1,023	1,029	7	0.6%
28.4%	1,022	1,029	7	0.7%
29.6%	1,021	1,029	8	0.8%
30.9%	1,021	1,026	6	0.6%
32.1%	1,020	1,025	5	0.4%
33.3%	1,019	1,025	6	0.6%
34.6%	1,018	1,024	5	0.5%
35.8%	1,017	1,023	6	0.6%
37.0%	1,015	1,020	5	0.5%
38.3%	1,015	1,020	5	0.5%
39.5%	1,015	1,020	5	0.5%
40.7%	1,011	1,019	8	0.8%
42.0%	1,011	1,017	6	0.6%
43.2%	1,010	1,015	5	0.5%
44.4%	1,009	1,015	5	0.5%
45.7%	1,009	1,013	4	0.4%
46.9%	1,009	1,012	4	0.4%
48.1%	1,008	1,012	4	0.4%
49.4%	1,007	1,011	4	0.4%
50.6%	1,007	1,010	3	0.3%
51.9%	1,004	1,010	6	0.6%
53.1%	1,004	1,009	6	0.6%
54.3%	1,003	1,008	5	0.5%
55.6%	1,003	1,007	4	0.4%
56.8%	1,002	1,006	5	0.5%
58.0%	1,002	1,006	4	0.4%
59.3%	1,000	1,006	6	0.6%
60.5%	1,000	1,005	5	0.5%
61.7%	1,000	1,004	4	0.4%
63.0%	997	1,004	7	0.7%
64.2%	995	1,003	8	0.8%
65.4%	993	1,001	8	0.8%
66.7%	993	1,000	7	0.7%
67.9%	992	999	8	0.8%
69.1%	991	996	6	0.6%
70.4%	990	995	4	0.4%
71.6%	990	993	3	0.3%
72.8%	989	992	3	0.3%
74.1%	988	992	4	0.4%
75.3%	983	992	9	0.9%
76.5%	981	990	9	0.9%
77.8%	980	987	7	0.7%
79.0%	972	986	14	1.5%
80.2%	965	982	17	1.7%
81.5%	964	981	17	1.7%
82.7%	961	969	8	0.8%
84.0%	958	969	10	1.1%
85.2%	957	964	7	0.7%
86.4%	952	960	8	0.9%
87.7%	945	959	14	1.5%
88.9%	941	948	7	0.8%
90.1%	940	943	3	0.3%
91.4%	904	916	12	1.3%
92.6%	897	916	18	2.0%
93.8%	889	914	25	2.8%
95.1%	857	888	30	3.5%
96.3%	845	886	41	4.8%
97.5%	836	878	42	5.1%
98.8%	834	869	35	4.1%
100.0%	834	839	4	0.5%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,023	1,023	0	0.0%
1.2%	1,023	1,023	0	0.0%
2.5%	1,023	1,023	0	0.0%
3.7%	1,023	1,023	0	0.0%
4.9%	1,023	1,023	0	0.0%
6.2%	1,023	1,023	0	0.0%
7.4%	1,023	1,023	1	0.1%
8.6%	1,023	1,023	1	0.1%
9.9%	1,022	1,023	1	0.1%
11.1%	1,022	1,023	1	0.1%
12.3%	1,022	1,023	1	0.1%
13.6%	1,021	1,023	2	0.2%
14.8%	1,021	1,023	2	0.2%
16.0%	1,021	1,023	2	0.2%
17.3%	1,021	1,022	2	0.2%
18.5%	1,017	1,022	5	0.5%
19.8%	1,016	1,021	4	0.4%
21.0%	1,016	1,021	4	0.4%
22.2%	1,015	1,020	5	0.5%
23.5%	1,015	1,018	3	0.3%
24.7%	1,014	1,018	3	0.3%
25.9%	1,013	1,017	4	0.4%
27.2%	1,013	1,017	4	0.4%
28.4%	1,012	1,016	3	0.3%
29.6%	1,012	1,015	3	0.3%
30.9%	1,011	1,015	4	0.4%
32.1%	1,010	1,015	5	0.5%
33.3%	1,009	1,015	5	0.5%
34.6%	1,009	1,014	5	0.5%
35.8%	1,007	1,014	7	0.7%
37.0%	1,007	1,014	7	0.7%
38.3%	1,005	1,013	7	0.7%
39.5%	1,005	1,011	6	0.6%
40.7%	1,005	1,010	6	0.6%
42.0%	1,004	1,010	6	0.6%
43.2%	1,004	1,010	6	0.6%
44.4%	1,003	1,009	6	0.6%
45.7%	1,003	1,008	5	0.5%
46.9%	1,003	1,008	6	0.6%
48.1%	1,002	1,008	6	0.6%
49.4%	1,001	1,007	6	0.6%
50.6%	999	1,007	7	0.7%
51.9%	999	1,006	7	0.7%
53.1%	999	1,006	7	0.7%
54.3%	998	1,004	6	0.6%
55.6%	998	1,003	5	0.5%
56.8%	997	1,002	5	0.5%
58.0%	997	1,001	4	0.4%
59.3%	993	1,001	7	0.7%
60.5%	991	1,000	8	0.8%
61.7%	991	998	7	0.7%
63.0%	991	998	7	0.7%
64.2%	990	994	4	0.4%
65.4%	989	994	5	0.5%
66.7%	987	994	6	0.6%
67.9%	987	993	7	0.7%
69.1%	986	992	6	0.6%
70.4%	986	992	6	0.6%
71.6%	984	990	7	0.7%
72.8%	978	990	11	1.2%
74.1%	975	989	15	1.5%
75.3%	975	987	12	1.3%
76.5%	974	985	12	1.2%
77.8%	969	980	11	1.1%
79.0%	969	979	10	1.0%
80.2%	969	977	9	0.9%
81.5%	961	977	16	1.7%
82.7%	961	969	8	0.8%
84.0%	959	968	9	1.0%
85.2%	952	959	7	0.8%
86.4%	950	955	5	0.5%
87.7%	933	950	17	1.8%
88.9%	933	945	12	1.3%
90.1%	932	939	6	0.7%
91.4%	895	910	15	1.7%
92.6%	879	908	28	3.2%
93.8%	879	904	26	2.9%
95.1%	845	877	32	3.8%
96.3%	837	877	40	4.8%
97.5%	834	875	40	4.8%
98.8%	834	863	29	3.5%
100.0%	834	834	0	0.0%

Table SW-09-9a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
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 D	20,701	20,592	21,244	22,627	23,942	25,797	27,173	27,319	26,041	23,757	22,081	21,168
Difference	730	672	393	254	72	150	179	215	427	589	693	782
Percent Difference[3]	3.7%	3.4%	1.9%	1.1%	0.3%	0.6%	0.7%	0.8%	1.7%	2.5%	3.2%	3.8%
	Water Year Types[2]											
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 D	23,145	22,712	23,176	24,841	25,845	26,952	28,983	29,643	28,846	27,076	25,606	23,721
Difference	286	432	65	25	-91	-14	-5	-16	-3	105	243	414
Percent Difference	1.3%	1.9%	0.3%	0.1%	-0.4%	-0.1%	0.0%	-0.1%	0.0%	0.4%	1.0%	1.8%
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 D	22,972	22,457	22,978	23,380	24,606	27,358	29,281	29,593	28,286	25,747	24,250	23,484
Difference	641	481	81	181	-128	-42	-69	-85	150	272	592	703
Percent Difference	2.9%	2.2%	0.4%	0.8%	-0.5%	-0.2%	-0.2%	-0.3%	0.5%	1.1%	2.5%	3.1%
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 D	22,135	22,355	22,550	22,396	24,135	26,119	27,885	28,042	26,783	24,292	22,650	22,330
Difference	390	198	-62	211	20	70	40	49	286	371	516	503
Percent Difference	1.8%	0.9%	-0.3%	1.0%	0.1%	0.3%	0.1%	0.2%	1.1%	1.6%	2.3%	2.3%
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 D	20,070	20,370	21,465	21,774	23,517	26,094	26,825	26,441	24,986	22,526	20,757	20,398
Difference	1,259	1,074	790	248	34	202	215	222	665	893	1,024	1,078
Percent Difference	6.7%	5.6%	3.8%	1.2%	0.1%	0.8%	0.8%	0.8%	2.7%	4.1%	5.2%	5.6%
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 D	12,410	12,412	13,465	18,628	19,565	20,912	20,834	20,482	18,439	15,800	13,599	13,116
Difference	1,381	1,331	1,349	880	745	715	929	1,194	1,445	1,752	1,482	1,543
Percent Difference	12.5%	12.0%	11.1%	5.0%	4.0%	3.5%	4.7%	6.2%	8.5%	12.5%	12.2%	13.3%

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-09-9b
Shasta Lake, End of Month Area
Probability of Exceedance

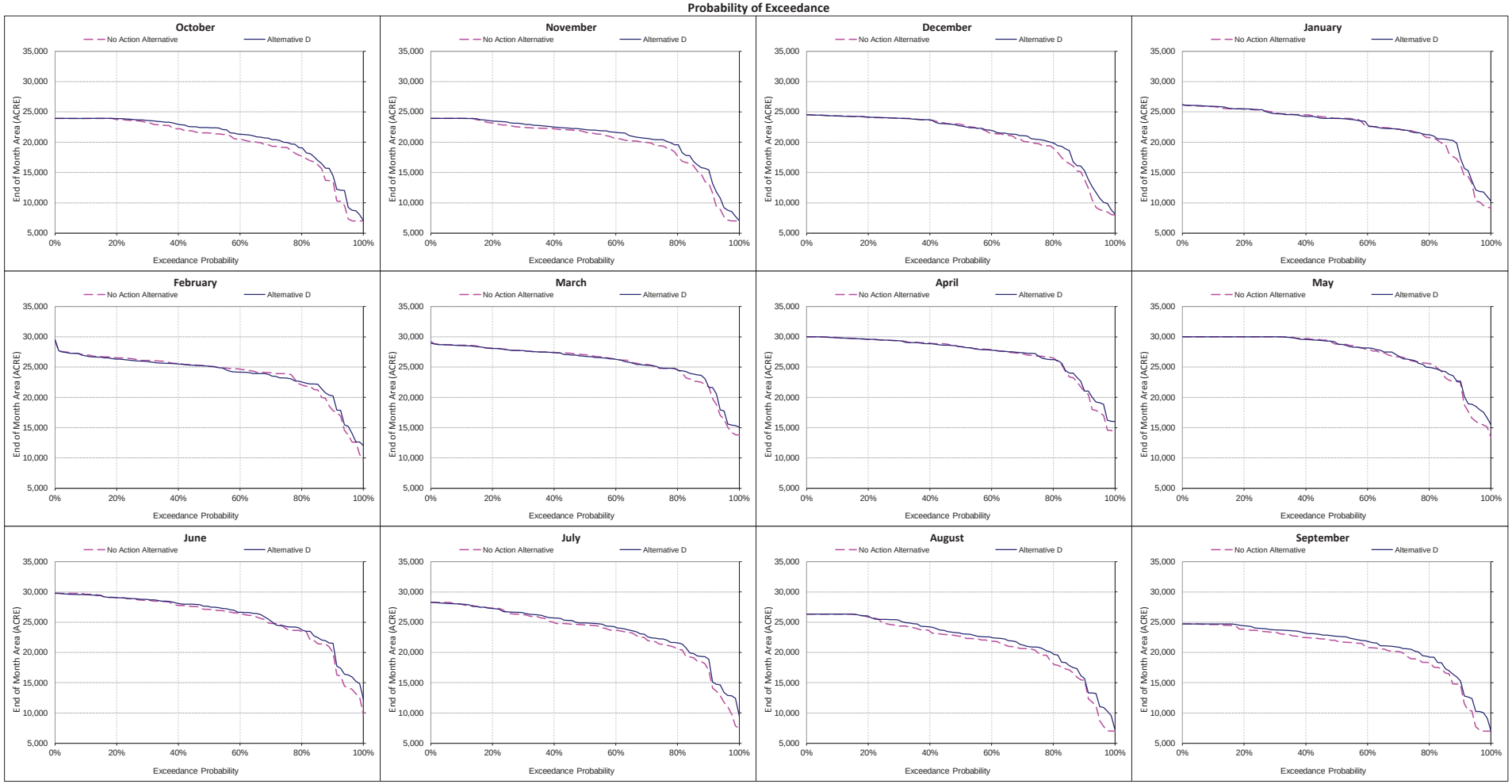

Table SW-09-9b

Shasta Lake, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,927	23,927	0	0.0%
8.6%	23,927	23,927	0	0.0%
9.9%	23,927	23,927	0	0.0%
11.1%	23,927	23,927	0	0.0%
12.3%	23,927	23,927	0	0.0%
13.6%	23,927	23,927	0	0.0%
14.8%	23,927	23,927	0	0.0%
16.0%	23,927	23,927	0	0.0%
17.3%	23,927	23,927	0	0.0%
18.5%	23,927	23,927	0	0.0%
19.8%	23,751	23,927	175	0.7%
21.0%	23,712	23,905	192	0.8%
22.2%	23,705	23,874	169	0.7%
23.5%	23,649	23,856	206	0.9%
24.7%	23,583	23,813	230	1.0%
25.9%	23,572	23,706	134	0.6%
27.2%	23,514	23,679	165	0.7%
28.4%	23,447	23,667	220	0.9%
29.6%	23,240	23,580	341	1.5%
30.9%	23,179	23,572	394	1.7%
32.1%	22,915	23,504	589	2.6%
33.3%	22,887	23,408	521	2.3%
34.6%	22,846	23,388	543	2.4%
35.8%	22,765	23,299	533	2.3%
37.0%	22,747	23,297	550	2.4%
38.3%	22,304	23,167	863	3.9%
39.5%	22,223	22,996	773	3.5%
40.7%	22,222	22,864	643	2.9%
42.0%	21,904	22,839	935	4.3%
43.2%	21,876	22,584	708	3.2%
44.4%	21,858	22,568	710	3.2%
45.7%	21,653	22,554	901	4.2%
46.9%	21,586	22,441	855	4.0%
48.1%	21,545	22,430	884	4.1%
49.4%	21,542	22,404	863	4.0%
50.6%	21,500	22,379	879	4.1%
51.9%	21,392	22,364	972	4.5%
53.1%	21,359	22,357	998	4.7%
54.3%	21,300	22,109	809	3.8%
55.6%	21,300	22,032	733	3.4%
56.8%	21,038	21,549	512	2.4%
58.0%	20,572	21,514	942	4.6%
59.3%	20,507	21,346	839	4.1%
60.5%	20,445	21,290	846	4.1%
61.7%	20,290	21,233	943	4.6%
63.0%	20,132	21,228	1,096	5.4%
64.2%	20,118	21,035	917	4.6%
65.4%	19,999	20,868	869	4.3%
66.7%	19,926	20,847	921	4.6%
67.9%	19,624	20,695	1,071	5.5%
69.1%	19,584	20,651	1,067	5.5%
70.4%	19,332	20,434	1,102	5.7%
71.6%	19,306	20,421	1,114	5.8%
72.8%	19,175	20,273	1,098	5.7%
74.1%	19,175	19,977	802	4.2%
75.3%	19,134	19,939	805	4.2%
76.5%	18,569	19,691	1,122	6.0%
77.8%	18,176	19,659	1,483	8.2%
79.0%	17,868	19,103	1,235	6.9%
80.2%	17,645	19,052	1,407	8.0%
81.5%	17,279	18,241	962	5.6%
82.7%	16,917	18,107	1,190	7.0%
84.0%	16,784	17,620	835	5.0%
85.2%	16,267	16,999	731	4.5%
86.4%	15,617	16,479	862	5.5%
87.7%	13,729	15,738	2,009	14.6%
88.9%	13,662	15,683	2,021	14.8%
90.1%	13,495	14,450	955	7.1%
91.4%	10,270	12,190	1,920	18.7%
92.6%	10,218	12,083	1,865	18.3%
93.8%	9,580	12,035	2,455	25.6%
95.1%	7,356	9,222	1,866	25.4%
96.3%	7,002	8,769	1,767	25.2%
97.5%	7,002	8,703	1,701	24.3%
98.8%	7,002	8,004	1,003	14.3%
100.0%	7,002	7,002	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,937	23,937	0	0.0%
9.9%	23,937	23,937	0	0.0%
11.1%	23,937	23,937	0	0.0%
12.3%	23,937	23,929	-8	0.0%
13.6%	23,937	23,880	-57	-0.2%
14.8%	23,732	23,876	144	0.6%
16.0%	23,626	23,742	116	0.5%
17.3%	23,409	23,659	251	1.1%
18.5%	23,244	23,598	354	1.5%
19.8%	23,177	23,509	332	1.4%
21.0%	23,130	23,459	329	1.4%
22.2%	22,919	23,431	512	2.2%
23.5%	22,851	23,383	531	2.3%
24.7%	22,836	23,335	499	2.2%
25.9%	22,695	23,181	486	2.1%
27.2%	22,599	23,151	552	2.4%
28.4%	22,525	23,130	604	2.7%
29.6%	22,520	23,054	534	2.4%
30.9%	22,411	22,940	528	2.4%
32.1%	22,391	22,919	528	2.4%
33.3%	22,346	22,821	475	2.1%
34.6%	22,344	22,786	442	2.0%
35.8%	22,306	22,714	407	1.8%
37.0%	22,297	22,685	388	1.7%
38.3%	22,283	22,590	307	1.4%
39.5%	22,234	22,497	262	1.2%
40.7%	22,153	22,484	331	1.5%
42.0%	22,094	22,442	348	1.6%
43.2%	22,084	22,385	300	1.4%
44.4%	22,024	22,347	322	1.5%
45.7%	21,990	22,247	257	1.2%
46.9%	21,942	22,237	296	1.3%
48.1%	21,921	22,216	295	1.3%
49.4%	21,783	22,148	365	1.7%
50.6%	21,584	22,046	462	2.1%
51.9%	21,567	22,009	441	2.0%
53.1%	21,418	22,006	588	2.7%
54.3%	21,331	21,909	579	2.7%
55.6%	21,314	21,889	575	2.7%
56.8%	21,068	21,873	805	3.8%
58.0%	20,969	21,695	726	3.5%
59.3%	20,720	21,664	944	4.6%
60.5%	20,615	21,570	955	4.6%
61.7%	20,500	21,556	1,056	5.2%
63.0%	20,347	21,489	1,142	5.6%
64.2%	20,260	21,130	871	4.3%
65.4%	20,215	20,954	739	3.7%
66.7%	20,214	20,829	615	3.0%
67.9%	20,070	20,737	667	3.3%
69.1%	19,985	20,660	676	3.4%
70.4%	19,935	20,608	674	3.4%
71.6%	19,838	20,493	655	3.3%
72.8%	19,415	20,433	1,018	5.2%
74.1%	19,404	20,411	1,006	5.2%
75.3%	19,385	20,400	1,015	5.2%
76.5%	19,041	20,119	1,078	5.7%
77.8%	18,832	19,908	1,076	5.7%
79.0%	18,416	19,557	1,142	6.2%
80.2%	17,489	19,556	2,067	11.8%
81.5%	16,868	18,281	1,413	8.4%
82.7%	16,634	17,818	1,185	7.1%
84.0%	16,529	17,763	1,235	7.5%
85.2%	16,098	16,812	714	4.4%
86.4%	15,225	16,269	1,044	6.9%
87.7%	14,745	15,811	1,066	7.2%
88.9%	13,502	15,667	2,166	16.0%
90.1%	13,207	15,418	2,211	16.7%
91.4%	11,571	13,186	1,616	14.0%
92.6%	9,329	11,800	2,471	26.5%
93.8%	8,874	10,774	1,900	21.4%
95.1%	7,685	9,181	1,496	19.5%
96.3%	7,146	8,792	1,645	23.0%
97.5%	7,018	8,551	1,533	21.8%
98.8%	7,002	7,746	745	10.6%
100.0%	7,002	7,050	48	0.7%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,552	24,514	-37	-0.2%
1.2%	24,514	24,514	0	0.0%
2.5%	24,461	24,455	-5	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,455	24,439	-16	-0.1%
6.2%	24,439	24,397	-43	-0.2%
7.4%	24,397	24,381	-16	-0.1%
8.6%	24,381	24,343	-37	-0.2%
9.9%	24,356	24,311	-44	-0.2%
11.1%	24,343	24,295	-48	-0.2%
12.3%	24,311	24,284	-27	-0.1%
13.6%	24,295	24,280	-16	-0.1%
14.8%	24,284	24,279	-5	0.0%
16.0%	24,279	24,267	-12	0.0%
17.3%	24,247	24,247	0	0.0%
18.5%	24,180	24,226	46	0.2%
19.8%	24,156	24,156	0	0.0%
21.0%	24,114	24,147	34	0.1%
22.2%	24,065	24,114	48	0.2%
23.5%	24,054	24,113	59	0.2%
24.7%	24,018	24,065	47	0.2%
25.9%	24,017	24,017	0	0.0%
27.2%	24,007	24,009	2	0.0%
28.4%	23,992	24,007	15	0.1%
29.6%	23,938	23,938	0	0.0%
30.9%	23,937	23,937	0	0.0%
32.1%	23,937	23,937	0	0.0%
33.3%	23,921	23,881	-40	-0.2%
34.6%	23,887	23,821	-67	-0.3%
35.8%	23,825	23,748	-77	-0.3%
37.0%	23,734	23,738	4	0.0%
38.3%	23,694	23,724	30	0.1%
39.5%	23,682	23,710	28	0.1%
40.7%	23,627	23,596	-31	-0.1%
42.0%	23,486	23,200	-287	-1.2%
43.2%	23,249	23,079	-169	-0.7%
44.4%	23,198	23,058	-140	-0.6%
45.7%	23,055	23,025	-30	-0.1%
46.9%	23,038	22,970	-68	-0.3%
48.1%	23,017	22,900	-117	-0.5%
49.4%	23,006	22,736	-270	-1.2%
50.6%	22,890	22,636	-254	-1.1%
51.9%	22,618	22,521	-96	-0.4%
53.1%	22,542	22,390	-152	-0.7%
54.3%	22,480	22,374	-106	-0.5%
55.6%	22,268	22,317	49	0.2%
56.8%	22,170	22,301	131	0.6%
58.0%	21,863	22,053	189	0.9%
59.3%	21,545	21,995	450	2.1%
60.5%	21,478	21,900	422	2.0%
61.7%	21,387	21,593	205	1.0%
63.0%	21,365	21,517	152	0.7%
64.2%	21,199	21,486	287	1.4%
65.4%	21,140	21,375	235	1.1%
66.7%	21,051	21,335	284	1.3%
67.9%	20,588	21,283	695	3.4%
69.1%	20,552	21,072	520	2.5%
70.4%	20,107	21,070	963	4.8%
71.6%	20,071	21,003	932	4.6%
72.8%	19,890	20,592	702	3.5%
74.1%	19,828	20,515	688	3.5%
75.3%	19,732	20,400	668	3.4%
76.5%	19,407	20,387	979	5.0%
77.8%	19,403	20,221	818	4.2%
79.0%	19,394	19,974	580	3.0%
80.2%	18,910	19,844	934	4.9%
81.5%	18,234	19,412	1,178	6.5%
82.7%	17,431	19,313	1,882	10.8%
84.0%	16,806	18,901	2,095	12.5%
85.2%	16,478	18,615	2,137	13.0%
86.4%	16,058	16,772	714	4.4%
87.7%	15,251	16,144	893	5.9%
88.9%	15,129	16,079	950	6.3%
90.1%	13,789	15,305	1,516	11.0%
91.4%	12,387	13,855	1,469	11.9%
92.6%	10,483	12,666	2,182	20.8%
93.8%	9,243	11,709	2,466	26.7%
95.1%	8,852	10,750	1,898	21.4%
96.3%	8,637	10,070	1,433	16.6%
97.5%	8,457	9,909	1,452	17.2%
98.8%	8,071	8,872	802	9.9%
100.0%	7,967	8,129	162	2.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,215	26,160	-56	-0.2%
1.2%	26,063	26,102	39	0.1%
2.5%	26,053	26,086	34	0.1%
3.7%	26,011	26,063	53	0.2%
4.9%	25,972	26,053	81	0.3%
6.2%	25,926	26,011	84	0.3%
7.4%	25,925	25,987	63	0.2%
8.6%	25,914	25,925	11	0.0%
9.9%	25,882	25,914	32	0.1%
11.1%	25,818	25,882	64	0.2%
12.3%	25,640	25,874	234	0.9%
13.6%	25,551	25,818	267	1.0%
14.8%	25,540	25,598	58	0.2%
16.0%	25,540	25,540	0	0.0%
17.3%	25,535	25,540	5	0.0%
18.5%	25,527	25,535	8	0.0%
19.8%	25,481	25,525	44	0.2%
21.0%	25,428	25,481	53	0.2%
22.2%	25,412	25,428	16	0.1%
23.5%	25,343	25,412	68	0.3%
24.7%	25,342	25,343	1	0.0%
25.9%	25,206	25,342	137	0.5%
27.2%	25,128	25,014	-114	-0.5%
28.4%	25,056	24,849	-207	-0.8%
29.6%	24,969	24,728	-241	-1.0%
30.9%	24,750	24,677	-73	-0.3%
32.1%	24,679	24,669	-10	0.0%
33.3%	24,669	24,573	-96	-0.4%
34.6%	24,634	24,557	-77	-0.3%
35.8%	24,573	24,546	-27	-0.1%
37.0%	24,557	24,504	-53	-0.2%
38.3%	24,546	24,399	-147	-0.6%
39.5%	24,505	24,284	-221	-0.9%
40.7%	24,504	24,269	-234	-1.0%
42.0%	24,399	24,263	-137	-0.6%
43.2%	24,334	24,168	-166	-0.7%
44.4%	24,284	23,996	-289	-1.2%
45.7%	24,174	23,938	-237	-1.0%
46.9%	24,121	23,938	-183	-0.8%
48.1%	24,061	23,937	-123	-0.5%
49.4%	23,938	23,937	-1	0.0%
50.6%	23,938	23,937	-1	0.0%
51.9%	23,937	23,880	-57	-0.2%
53.1%	23,937	23,835	-102	-0.4%
54.3%	23,937	23,780	-157	-0.7%
55.6%	23,807	23,724	-93	-0.3%
56.8%	23,787	23,600	-186	-0.8%
58.0%	23,384	23,503	119	0.5%
59.3%	22,694	23,445	750	3.3%
60.5%	22,684	22,604	-80	-0.4%
61.7%	22,583	22,586	4	0.0%
63.0%	22,484	22,552	67	0.3%
64.2%	22,461	22,335	-126	-0.6%
65.4%	22,411	22,300	-112	-0.5%
66.7%	22,378	22,269	-109	-0.5%
67.9%	22,258	22,228	-30	-0.1%
69.1%	22,184	22,225	42	0.2%
70.4%	22,124	22,126	2	0.0%
71.6%	22,024	21,993	-31	-0.1%
72.8%	22,001	21,959	-42	-0.2%
74.1%	21,934	21,712	-222	-1.0%
75.3%	21,714	21,595	-118	-0.5%
76.5%	21,466	21,568	102	0.5%
77.8%	21,252	21,367	115	0.5%
79.0%	20,785	21,250	465	2.2%
80.2%	20,753	21,204	451	2.2%
81.5%	20,693	21,007	314	1.5%
82.7%	20,327	20,533	206	1.0%
84.0%	19,862	20,530	669	3.4%
85.2%	19,767	20,491	724	3.7%
86.4%	18,091	20,358	2,266	12.5%
87.7%	17,646	20,294	2,647	15.0%
88.9%	17,282	19,830	2,548	14.7%
90.1%	16,310	17,301	991	6.1%
91.4%	14,444	15,676	1,232	8.5%
92.6%	14,361	15,320	959	6.7%
93.8%	13,245	13,584	340	2.6%
95.1%	10,267	12,113	1,846	18.0%
96.3%	10,157	11,887	1,730	17.0%
97.5%	9,584	11,780	2,195	22.9%
98.8%	9,316	11,033	1,718	18.4%
100.0%	9,137	10,258	1,121	12.3%

Table SW-09-9b
Shasta Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,489	29,487	-2	0.0%
1.2%	27,607	27,721	114	0.4%
2.5%	27,571	27,483	-87	-0.3%
3.7%	27,482	27,391	-91	-0.3%
4.9%	27,391	27,288	-103	-0.4%
6.2%	27,288	27,283	-5	0.0%
7.4%	27,262	27,262	0	0.0%
8.6%	27,103	26,979	-123	-0.5%
9.9%	26,979	26,860	-119	-0.4%
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	26,382	-269	-1.0%
19.8%	26,527	26,333	-193	-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	26,122	-278	-1.1%
25.9%	26,298	26,085	-214	-0.8%
27.2%	26,197	25,989	-208	-0.8%
28.4%	26,122	25,964	-158	-0.6%
29.6%	26,085	25,936	-148	-0.6%
30.9%	26,085	25,848	-236	-0.9%
32.1%	26,047	25,757	-291	-1.1%
33.3%	26,022	25,677	-345	-1.3%
34.6%	25,989	25,653	-335	-1.3%
35.8%	25,988	25,634	-354	-1.4%
37.0%	25,778	25,620	-158	-0.6%
38.3%	25,634	25,583	-51	-0.2%
39.5%	25,620	25,565	-55	-0.2%
40.7%	25,583	25,468	-115	-0.4%
42.0%	25,453	25,422	-31	-0.1%
43.2%	25,422	25,348	-75	-0.3%
44.4%	25,348	25,310	-38	-0.1%
45.7%	25,343	25,279	-64	-0.3%
46.9%	25,279	25,250	-29	-0.1%
48.1%	25,270	25,239	-31	-0.1%
49.4%	25,155	25,155	0	0.0%
50.6%	25,100	25,115	15	0.1%
51.9%	25,059	25,059	0	0.0%
53.1%	24,893	24,893	0	0.0%
54.3%	24,851	24,851	0	0.0%
55.6%	24,836	24,504	-332	-1.3%
56.8%	24,783	24,319	-464	-1.9%
58.0%	24,740	24,245	-495	-2.0%
59.3%	24,711	24,178	-532	-2.2%
60.5%	24,582	24,151	-431	-1.8%
61.7%	24,566	24,130	-436	-1.8%
63.0%	24,415	24,095	-320	-1.3%
64.2%	24,339	23,937	-402	-1.7%
65.4%	24,151	23,937	-214	-0.9%
66.7%	24,131	23,937	-194	-0.8%
67.9%	24,130	23,928	-202	-0.8%
69.1%	24,095	23,793	-301	-1.3%
70.4%	24,047	23,493	-554	-2.3%
71.6%	23,938	23,473	-465	-1.9%
72.8%	23,937	23,222	-715	-3.0%
74.1%	23,937	23,211	-726	-3.0%
75.3%	23,937	23,170	-767	-3.2%
76.5%	23,752	23,066	-685	-2.9%
77.8%	22,982	22,710	-272	-1.2%
79.0%	22,256	22,661	405	1.8%
80.2%	22,005	22,489	484	2.2%
81.5%	21,840	22,324	484	2.2%
82.7%	21,815	22,232	417	1.9%
84.0%	21,272	22,231	958	4.5%
85.2%	21,232	22,185	953	4.5%
86.4%	19,969	21,422	1,453	7.3%
87.7%	19,866	20,762	896	4.5%
88.9%	18,551	20,378	1,827	9.8%
90.1%	17,794	20,266	2,472	13.9%
91.4%	17,560	17,900	340	1.9%
92.6%	16,910	17,878	968	5.7%
93.8%	14,547	15,492	946	6.5%
95.1%	13,783	15,233	1,450	10.5%
96.3%	12,620	14,060	1,440	11.4%
97.5%	12,598	12,676	78	0.6%
98.8%	10,583	12,631	2,048	19.4%
100.0%	9,614	12,058	2,444	25.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,239	28,952	-287	-1.0%
1.2%	28,833	28,833	0	0.0%
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%	28,700	28,614	-86	-0.3%
7.4%	28,687	28,603	-84	-0.3%
8.6%	28,614	28,601	-13	0.0%
9.9%	28,603	28,580	-23	-0.1%
11.1%	28,601	28,556	-45	-0.2%
12.3%	28,584	28,532	-51	-0.2%
13.6%	28,580	28,484	-96	-0.3%
14.8%	28,484	28,384	-100	-0.4%
16.0%	28,326	28,326	0	0.0%
17.3%	28,185	28,185	0	0.0%
18.5%	28,163	28,138	-25	-0.1%
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	27,882	-54	-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	27,414	-16	-0.1%
40.7%	27,387	27,374	-13	0.0%
42.0%	27,374	27,325	-49	-0.2%
43.2%	27,374	27,089	-285	-1.0%
44.4%	27,317	27,086	-230	-0.8%
45.7%	27,279	26,990	-290	-1.1%
46.9%	27,166	26,974	-192	-0.7%
48.1%	27,093	26,862	-231	-0.9%
49.4%	27,086	26,832	-255	-0.9%
50.6%	27,025	26,752	-273	-1.0%
51.9%	26,953	26,734	-219	-0.8%
53.1%	26,761	26,592	-170	-0.6%
54.3%	26,752	26,584	-167	-0.6%
55.6%	26,679	26,521	-158	-0.6%
56.8%	26,584	26,480	-105	-0.4%
58.0%	26,483	26,347	-135	-0.5%
59.3%	26,345	26,344	-1	0.0%
60.5%	26,267	26,234	-34	-0.1%
61.7%	26,160	26,153	-7	0.0%
63.0%	26,153	25,920	-232	-0.9%
64.2%	26,103	25,822	-281	-1.1%
65.4%	25,738	25,634	-104	-0.4%
66.7%	25,626	25,444	-182	-0.7%
67.9%	25,492	25,421	-71	-0.3%
69.1%	25,475	25,368	-107	-0.4%
70.4%	25,444	25,283	-161	-0.6%
71.6%	25,283	25,260	-23	-0.1%
72.8%	24,915	25,139	224	0.9%
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	24,446	-63	-0.3%
81.5%	24,054	24,399	345	1.4%
82.7%	23,193	24,284	1,090	4.7%
84.0%	23,052	23,979	927	4.0%
85.2%	22,689	23,838	1,149	5.1%
86.4%	22,625	23,719	1,094	4.8%
87.7%	22,509	23,646	1,137	5.1%
88.9%	22,119	23,097	979	4.4%
90.1%	21,730	21,683	-47	-0.2%
91.4%	19,789	21,612	1,823	9.2%
92.6%	18,797	20,599	1,802	9.6%
93.8%	17,021	17,925	904	5.3%
95.1%	16,417	17,776	1,359	8.3%
96.3%	15,034	15,601	567	3.8%
97.5%	14,218	15,442	1,225	8.6%
98.8%	13,836	15,356	1,519	11.0%
100.0%	13,771	15,112	1,341	9.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	29,974	-26	-0.1%
7.4%	29,974	29,876	-98	-0.3%
8.6%	29,953	29,872	-82	-0.3%
9.9%	29,872	29,852	-19	-0.1%
11.1%	29,788	29,786	-2	0.0%
12.3%	29,776	29,776	0	0.0%
13.6%	29,771	29,769	-3	0.0%
14.8%	29,725	29,768	43	0.1%
16.0%	29,686	29,724	37	0.1%
17.3%	29,649	29,686	38	0.1%
18.5%	29,607	29,657	50	0.2%
19.8%	29,588	29,588	1	0.0%
21.0%	29,568	29,588	20	0.1%
22.2%	29,528	29,568	40	0.1%
23.5%	29,512	29,493	-19	-0.1%
24.7%	29,493	29,468	-25	-0.1%
25.9%	29,484	29,465	-19	-0.1%
27.2%	29,426	29,423	-2	0.0%
28.4%	29,424	29,375	-49	-0.2%
29.6%	29,338	29,369	31	0.1%
30.9%	29,328	29,275	-53	-0.2%
32.1%	29,261	29,096	-165	-0.6%
33.3%	29,096	29,058	-38	-0.1%
34.6%	29,065	29,054	-10	0.0%
35.8%	29,058	29,042	-16	-0.1%
37.0%	29,055	28,939	-116	-0.4%
38.3%	29,042	28,876	-166	-0.6%
39.5%	28,988	28,871	-117	-0.4%
40.7%	28,885	28,871	-14	0.0%
42.0%	28,876	28,759	-117	-0.4%
43.2%	28,871	28,649	-222	-0.8%
44.4%	28,871	28,635	-237	-0.8%
45.7%	28,795	28,609	-186	-0.6%
46.9%	28,617	28,561	-56	-0.2%
48.1%	28,561	28,539	-22	-0.1%
49.4%	28,389	28,374	-15	-0.1%
50.6%	28,374	28,332	-41	-0.1%
51.9%	28,219	28,219	0	0.0%
53.1%	28,194	28,194	0	0.0%
54.3%	28,080	28,035	-45	-0.2%
55.6%	28,035	27,949	-86	-0.3%
56.8%	27,997	27,880	-117	-0.4%
58.0%	27,949	27,848	-101	-0.4%
59.3%	27,904	27,842	-62	-0.2%
60.5%	27,880	27,769	-111	-0.4%
61.7%	27,693	27,697	4	0.0%
63.0%	27,634	27,628	-6	0.0%
64.2%	27,589	27,598	9	0.0%
65.4%	27,426	27,530	104	0.4%
66.7%	27,389	27,524	135	0.5%
67.9%	27,324	27,440	116	0.4%
69.1%	27,284	27,421	137	0.5%
70.4%	27,151	27,363	212	0.8%
71.6%	26,990	27,291	301	1.1%
72.8%	26,957	27,269	312	1.2%
74.1%	26,855	27,223	368	1.4%
75.3%	26,827	26,781	-46	-0.2%
76.5%	26,754	26,446	-309	-1.2%
77.8%	26,610	26,316	-294	-1.1%
79.0%	26,595	26,251	-344	-1.3%
80.2%	26,446	26,235	-211	-0.8%
81.5%	25,860	26,073	212	0.8%
82.7%	25,396	25,667	271	1.1%
84.0%	24,227	24,439	212	0.9%
85.2%	23,379	24,017	639	2.7%
86.4%	23,268	23,996	728	3.1%
87.7%	22,544	23,307	763	3.4%
88.9%	21,709	22,666	957	4.4%
90.1%	20,985	21,052	67	0.3%
91.4%	20,446	21,026	580	2.8%
92.6%	17,962	20,030	2,068	11.5%
93.8%	17,874	19,229	1,355	7.6%
95.1%	17,420	19,109	1,689	9.7%
96.3%	17,007	18,863	1,856	10.9%
97.5%	14,594	16,239	1,645	11.3%
98.8%	14,564	16,065	1,501	10.3%
100.0%	14,219	16,027	1,809	12.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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%	30,000	30,000	0	0.0%
8.6%	30,000	30,000	0	0.0%
9.9%	30,000	30,000	0	0.0%
11.1%	30,000	30,000	0	0.0%
12.3%	30,000	30,000	0	0.0%
13.6%	30,000	30,000	0	0.0%
14.8%	30,000	30,000	0	0.0%
16.0%	30,000	30,000	0	0.0%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	30,000	0	0.0%
19.8%	30,000	30,000	0	0.0%
21.0%	30,000	30,000	0	0.0%
22.2%	30,000	30,000	0	0.0%
23.5%	30,000	30,000	0	0.0%
24.7%	30,000	30,000	0	0.0%
25.9%	30,000	30,000	0	0.0%
27.2%	30,000	30,000	0	0.0%
28.4%	30,000	30,000	0	0.0%
29.6%	30,000	30,000	0	0.0%
30.9%	30,000	30,000	0	0.0%
32.1%	30,000	30,000	0	0.0%
33.3%	30,000	29,962	-38	-0.1%
34.6%	29,959	29,890	-70	-0.2%
35.8%	29,899	29,832	-67	-0.2%
37.0%	29,755	29,742	-14	0.0%
38.3%	29,753	29,602	-151	-0.5%
39.5%	29,720	29,561	-159	-0.5%
40.7%	29,700	29,554	-145	-0.5%
42.0%	29,596	29,497	-99	-0.3%
43.2%	29,563	29,494	-69	-0.2%
44.4%	29,518	29,433	-85	-0.3%
45.7%	29,472	29,337	-134	-0.5%
46.9%	29,454	29,309	-145	-0.5%
48.1%	29,166	29,308	142	0.5%
49.4%	28,826	29,175	350	1.2%
50.6%	28,768	28,755	-14	0.0%
51.9%	28,741	28,730	-11	0.0%
53.1%	28,737	28,590	-147	-0.5%
54.3%	28,593	28,372	-221	-0.8%
55.6%	28,584	28,304	-280	-1.0%
56.8%	28,295	28,295	0	0.0%
58.0%	28,205	28,178	-27	-0.1%
59.3%	27,982	28,154	172	0.6%
60.5%	27,972	28,151	179	0.6%
61.7%	27,648	28,083	436	1.6%
63.0%	27,636	27,857	220	0.8%
64.2%	27,379	27,774	394	1.4%
65.4%	27,346	27,507	161	0.6%
66.7%	27,025	27,507	481	1.8%
67.9%	26,831	27,480	649	2.4%
69.1%	26,708	27,135	426	1.6%
70.4%	26,679	26,717	38	0.1%
71.6%	26,595	26,371	-225	-0.8%
72.8%	26,403	26,320	-83	-0.3%
74.1%	26,049	26,213	164	0.6%
75.3%	25,933	26,059	126	0.5%
76.5%	25,913	25,622	-291	-1.1%
77.8%	25,737	25,461	-276	-1.1%
79.0%	25,652	24,981	-671	-2.6%
80.2%	25,567	24,929	-637	-2.5%
81.5%	25,387	24,804	-583	-2.3%
82.7%	24,762	24,646	-116	-0.5%
84.0%	24,332	24,337	5	0.0%
85.2%	23,256	24,261	1,005	4.3%
86.4%	22,851	23,823	973	4.3%
87.7%	22,655	23,581	926	4.1%
88.9%	22,620	22,730	110	0.5%
90.1%	22,458	22,675	216	1.0%
91.4%	18,801	20,158	1,358	7.2%
92.6%	17,737	18,933	1,196	6.7%
93.8%	16,595	18,858	2,263	13.6%
95.1%	16,054	18,533	2,479	15.4%
96.3%	15,680	17,987	2,307	14.7%
97.5%	15,482	17,565	2,083	13.5%
98.8%	15,148	16,591	1,443	9.5%
100.0%	13,413	15,461	2,048	15.3%

Table SW-09-9b
Shasta Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%
1.2%	29,776	29,776	0	0.0%
2.5%	29,776	29,718	-58	-0.2%
3.7%	29,776	29,653	-124	-0.4%
4.9%	29,776	29,626	-150	-0.5%
6.2%	29,776	29,594	-183	-0.6%
7.4%	29,776	29,593	-184	-0.6%
8.6%	29,776	29,592	-185	-0.6%
9.9%	29,626	29,555	-72	-0.2%
11.1%	29,626	29,544	-82	-0.3%
12.3%	29,619	29,451	-168	-0.6%
13.6%	29,516	29,409	-107	-0.4%
14.8%	29,433	29,392	-41	-0.1%
16.0%	29,129	29,186	57	0.2%
17.3%	29,125	29,128	3	0.0%
18.5%	29,096	29,127	31	0.1%
19.8%	29,084	29,050	-34	-0.1%
21.0%	29,057	29,016	-41	-0.1%
22.2%	29,041	29,013	-28	-0.1%
23.5%	28,994	28,912	-82	-0.3%
24.7%	28,864	28,910	46	0.2%
25.9%	28,801	28,910	108	0.4%
27.2%	28,678	28,816	138	0.5%
28.4%	28,651	28,796	145	0.5%
29.6%	28,601	28,765	165	0.6%
30.9%	28,586	28,698	111	0.4%
32.1%	28,486	28,678	192	0.7%
33.3%	28,458	28,620	162	0.6%
34.6%	28,435	28,502	66	0.2%
35.8%	28,408	28,495	87	0.3%
37.0%	28,339	28,433	94	0.3%
38.3%	27,968	28,297	329	1.2%
39.5%	27,787	28,164	376	1.4%
40.7%	27,775	28,025	250	0.9%
42.0%	27,747	27,996	249	0.9%
43.2%	27,685	27,994	310	1.1%
44.4%	27,587	27,977	390	1.4%
45.7%	27,577	27,937	361	1.3%
46.9%	27,516	27,896	380	1.4%
48.1%	27,141	27,638	497	1.8%
49.4%	27,121	27,629	508	1.9%
50.6%	27,074	27,471	397	1.5%
51.9%	26,995	27,467	471	1.7%
53.1%	26,939	27,402	463	1.7%
54.3%	26,910	27,283	373	1.4%
55.6%	26,702	27,240	538	2.0%
56.8%	26,663	27,058	395	1.5%
58.0%	26,554	26,964	410	1.5%
59.3%	26,505	26,652	147	0.6%
60.5%	26,390	26,647	257	1.0%
61.7%	26,233	26,602	369	1.4%
63.0%	26,128	26,588	460	1.8%
64.2%	26,109	26,465	356	1.4%
65.4%	25,851	26,425	574	2.2%
66.7%	25,607	26,247	640	2.5%
67.9%	25,463	25,900	437	1.7%
69.1%	24,883	25,505	622	2.5%
70.4%	24,793	25,067	274	1.1%
71.6%	24,791	24,561	-231	-0.9%
72.8%	24,731	24,436	-295	-1.2%
74.1%	24,186	24,404	217	0.9%
75.3%	23,806	24,248	442	1.9%
76.5%	23,664	24,219	555	2.3%
77.8%	23,659	24,189	530	2.2%
79.0%	23,659	24,092	433	1.8%
80.2%	23,418	23,665	247	1.1%
81.5%	23,403	23,501	99	0.4%
82.7%	22,023	23,501	1,477	6.7%
84.0%	21,981	22,728	747	3.4%
85.2%	21,426	22,440	1,014	4.7%
86.4%	21,408	22,065	657	3.1%
87.7%	21,373	21,932	559	2.6%
88.9%	20,934	21,559	624	3.0%
90.1%	19,966	21,543	1,578	7.9%
91.4%	16,257	17,757	1,499	9.2%
92.6%	16,108	17,390	1,282	8.0%
93.8%	14,438	16,424	1,986	13.8%
95.1%	14,241	16,268	2,026	14.2%
96.3%	13,904	15,950	2,046	14.7%
97.5%	13,184	15,216	2,032	15.4%
98.8%	12,568	14,846	2,278	18.1%
100.0%	9,666	12,187	2,521	26.1%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,275	0	0.0%
1.2%	28,275	28,275	0	0.0%
2.5%	28,275	28,233	-42	-0.1%
3.7%	28,275	28,148	-127	-0.4%
4.9%	28,275	28,088	-187	-0.7%
6.2%	28,275	28,068	-207	-0.7%
7.4%	28,113	28,051	-62	-0.2%
8.6%	28,060	28,041	-19	-0.1%
9.9%	27,970	27,974	4	0.0%
11.1%	27,798	27,970	172	0.6%
12.3%	27,785	27,878	93	0.3%
13.6%	27,742	27,610	-132	-0.5%
14.8%	27,610	27,608	-2	0.0%
16.0%	27,525	27,491	-35	-0.1%
17.3%	27,515	27,463	-53	-0.2%
18.5%	27,389	27,363	-25	-0.1%
19.8%	27,351	27,280	-71	-0.3%
21.0%	27,336	27,240	-96	-0.4%
22.2%	27,274	27,137	-137	-0.5%
23.5%	27,056	26,786	-270	-1.0%
24.7%	26,466	26,710	243	0.9%
25.9%	26,421	26,692	272	1.0%
27.2%	26,326	26,644	318	1.2%
28.4%	26,318	26,629	311	1.2%
29.6%	26,272	26,592	321	1.2%
30.9%	26,210	26,427	217	0.8%
32.1%	25,986	26,318	332	1.3%
33.3%	25,918	26,267	350	1.3%
34.6%	25,901	26,234	333	1.3%
35.8%	25,716	26,122	406	1.6%
37.0%	25,625	25,908	284	1.1%
38.3%	25,154	25,765	611	2.4%
39.5%	25,058	25,720	662	2.6%
40.7%	24,798	25,658	860	3.5%
42.0%	24,771	25,641	869	3.5%
43.2%	24,770	25,359	589	2.4%
44.4%	24,727	25,312	585	2.4%
45.7%	24,669	25,308	639	2.6%
46.9%	24,662	25,023	361	1.5%
48.1%	24,619	24,896	277	1.1%
49.4%	24,597	24,887	290	1.2%
50.6%	24,520	24,884	364	1.5%
51.9%	24,487	24,848	361	1.5%
53.1%	24,439	24,839	399	1.6%
54.3%	24,374	24,727	353	1.4%
55.6%	24,074	24,677	604	2.5%
56.8%	23,963	24,361	398	1.7%
58.0%	23,696	24,336	640	2.7%
59.3%	23,691	24,276	585	2.5%
60.5%	23,659	24,030	370	1.6%
61.7%	23,518	23,999	481	2.0%
63.0%	23,389	23,864	475	2.0%
64.2%	23,323	23,726	403	1.7%
65.4%	23,196	23,595	399	1.7%
66.7%	22,792	23,427	634	2.8%
67.9%	22,506	23,081	575	2.6%
69.1%	22,470	23,034	564	2.5%
70.4%	21,948	22,557	610	2.8%
71.6%	21,914	22,414	500	2.3%
72.8%	21,766	22,350	584	2.7%
74.1%	21,404	22,257	853	4.0%
75.3%	21,360	22,256	895	4.2%
76.5%	21,166	22,027	860	4.1%
77.8%	21,052	21,657	605	2.9%
79.0%	20,850	21,655	805	3.9%
80.2%	20,452	21,564	1,112	5.4%
81.5%	20,416	21,411	994	4.9%
82.7%	19,317	20,778	1,461	7.6%
84.0%	19,234	19,953	719	3.7%
85.2%	19,106	19,822	716	3.7%
86.4%	18,531	19,439	907	4.9%
87.7%	18,512	19,358	847	4.6%
88.9%	18,133	19,286	1,154	6.4%
90.1%	17,001	18,888	1,887	11.1%
91.4%	14,105	15,121	1,016	7.2%
92.6%	13,578	14,733	1,155	8.5%
93.8%	12,848	14,666	1,818	14.2%
95.1%	11,766	13,380	1,614	13.7%
96.3%	10,972	12,904	1,932	17.6%
97.5%	9,818	12,850	3,032	30.9%
98.8%	7,828	12,447	4,618	59.0%
100.0%	7,478	9,537	2,059	27.5%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,331	0	0.0%
3.7%	26,331	26,331	0	0.0%
4.9%	26,331	26,331	0	0.0%
6.2%	26,331	26,331	0	0.0%
7.4%	26,331	26,331	0	0.0%
8.6%	26,331	26,331	0	0.0%
9.9%	26,331	26,331	0	0.0%
11.1%	26,331	26,331	0	0.0%
12.3%	26,331	26,331	0	0.0%
13.6%	26,331	26,331	0	0.0%
14.8%	26,331	26,331	0	0.0%
16.0%	26,234	26,248	14	0.1%
17.3%	26,073	26,145	72	0.3%
18.5%	26,071	26,055	-16	-0.1%
19.8%	25,897	26,034	137	0.5%
21.0%	25,752	25,706	-46	-0.2%
22.2%	25,649	25,515	-133	-0.5%
23.5%	25,469	25,475	7	0.0%
24.7%	24,833	25,454	621	2.5%
25.9%	24,739	25,446	707	2.9%
27.2%	24,622	25,427	805	3.3%
28.4%	24,553	25,408	856	3.5%
29.6%	24,373	25,398	1,025	4.2%
30.9%	24,371	25,103	732	3.0%
32.1%	24,359	24,917	558	2.3%
33.3%	24,180	24,885	705	2.9%
34.6%	24,117	24,738	622	2.6%
35.8%	23,929	24,696	767	3.2%
37.0%	23,748	24,330	582	2.4%
38.3%	23,711	24,287	576	2.4%
39.5%	23,687	24,256	569	2.4%
40.7%	23,187	24,154	967	4.2%
42.0%	23,162	23,946	785	3.4%
43.2%	23,070	23,723	653	2.8%
44.4%	22,986	23,659	673	2.9%
45.7%	22,946	23,447	501	2.2%
46.9%	22,909	23,375	465	2.0%
48.1%	22,798	23,268	471	2.1%
49.4%	22,691	23,232	540	2.4%
50.6%	22,681	23,064	383	1.7%
51.9%	22,331	23,043	712	3.2%
53.1%	22,306	23,003	697	3.1%
54.3%	22,276	22,846	570	2.6%
55.6%	22,220	22,678	457	2.1%
56.8%	22,070	22,626	566	2.6%
58.0%	22,041	22,579	538	2.4%
59.3%	21,864	22,573	709	3.2%
60.5%	21,832	22,411	580	2.7%
61.7%	21,797	22,348	551	2.5%
63.0%	21,485	22,337	851	4.0%
64.2%	21,250	22,235	985	4.6%
65.4%	20,994	21,964	970	4.6%
66.7%	20,977	21,894	916	4.4%
67.9%	20,844	21,776	931	4.5%
69.1%	20,680	21,370	689	3.3%
70.4%	20,641	21,187	546	2.6%
71.6%	20,634	21,034	400	1.9%
72.8%	20,545	20,908	363	1.8%
74.1%	20,377	20,880	503	2.5%
75.3%	19,815	20,869	1,054	5.3%
76.5%	19,554	20,584	1,030	5.3%
77.8%	19,533	20,288	754	3.9%
79.0%	18,637	20,102	1,465	7.9%
80.2%	17,995	19,693	1,697	9.4%
81.5%	17,866	19,567	1,702	9.5%
82.7%	17,577	18,387	810	4.6%
84.0%	17,280	18,336	1,056	6.1%
85.2%	17,120	17,851	731	4.3%
86.4%	16,626	17,490	864	5.2%
87.7%	15,891	17,327	1,436	9.0%
88.9%	15,479	16,219	740	4.8%
90.1%	15,389	15,678	289	1.9%
91.4%	12,318	13,326	1,007	8.2%
92.6%	11,791	13,319	1,528	13.0%
93.8%	11,166	13,208	2,042	18.3%
95.1%	8,692	11,040	2,348	27.0%
96.3%	7,763	10,899	3,136	40.4%
97.5%	7,069	10,289	3,220	45.5%
98.8%	7,002	9,583	2,581	36.9%
100.0%	7,002	7,246	244	3.5%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,728	24,728	0	0.0%
1.2%	24,728	24,728	0	0.0%
2.5%	24,728	24,728	0	0.0%
3.7%	24,728	24,728	0	0.0%
4.9%	24,719	24,728	9	0.0%
6.2%	24,680	24,728	48	0.2%
7.4%	24,644	24,728	84	0.3%
8.6%	24,620	24,728	108	0.4%
9.9%	24,610	24,728	118	0.5%
11.1%	24,601	24,728	126	0.5%
12.3%	24,591	24,728	137	0.6%
13.6%	24,476	24,728	252	1.0%
14.8%	24,473	24,728	254	1.0%
16.0%	24,455	24,728	273	1.1%
17.3%	24,372	24,607	235	1.0%
18.5%	23,882	24,512	630	2.6%
19.8%	23,855	24,403	548	2.3%
21.0%	23,829	24,369	540	2.3%
22.2%	23,656	24,272	617	2.6%
23.5%	23,650	24,045	395	1.7%
24.7%	23,592	24,003	411	1.7%
25.9%	23,500	23,967	467	2.0%
27.2%	23,445	23,933	488	2.1%
28.4%	23,373	23,776	403	1.7%
29.6%	23,362	23,730	368	1.6%
30.9%	23,226	23,714	488	2.1%
32.1%	23,036	23,700	664	2.9%
33.3%	23,005	23,659	654	2.8%
34.6%	22,935	23,603	668	2.9%
35.8%	22,740	23,579	840	3.7%
37.0%	22,710	23,534	824	3.6%
38.3%	22,479	23,391	913	4.1%
39.5%	22,464	23,258	794	3.5%
40.7%	22,432	23,130	698	3.1%
42.0%	22,396	23,100	704	3.1%
43.2%	22,348	23,072	724	3.2%
44.4%	22,275	22,989	715	3.2%
45.7%	22,210	22,859	649	2.9%
46.9%	22,167	22,851	684	3.1%
48.1%	22,033	22,770	736	3.3%
49.4%	22,011	22,697	687	3.1%
50.6%	21,759	22,674	915	4.2%
51.9%	21,724	22,616	892	4.1%
53.1%	21,680	22,572	892	4.1%
54.3%	21,646	22,354	708	3.3%
55.6%	21,633	22,246	613	2.8%
56.8%	21,503	22,093	591	2.7%
58.0%	21,501	21,975	474	2.2%
59.3%	21,034	21,933	900	4.3%
60.5%	20,795	21,786	991	4.8%
61.7%	20,762	21,598	836	4.0%
63.0%	20,699	21,586	887	4.3%
64.2%	20,615	21,109	494	2.4%
65.4%	20,535	21,097	562	2.7%
66.7%	20,291	21,072	782	3.9%
67.9%	20,211	21,023	813	4.0%
69.1%	20,160	20,919	760	3.8%
70.4%	20,122	20,845	723	3.6%
71.6%	19,862	20,661	798	4.0%
72.8%	19,328	20,605	1,277	6.6%
74.1%	18,960	20,535	1,575	8.3%
75.3%	18,943	20,231	1,288	6.8%
76.5%	18,844	20,061	1,217	6.5%
77.8%	18,391	19,491	1,100	6.0%
79.0%	18,369	19,383	1,015	5.5%
80.2%	18,340	19,224	885	4.8%
81.5%	17,589	19,219	1,630	9.3%
82.7%	17,514	18,344	829	4.7%
84.0%	17,337	18,306	969	5.6%
85.2%	16,601	17,336	735	4.4%
86.4%	16,475	16,960	485	2.9%
87.7%	14,808	16,428	1,619	10.9%
88.9%	14,763	15,939	1,176	8.0%
90.1%	14,722	15,280	558	3.8%
91.4%	11,601	12,825	1,224	10.6%
92.6%	10,412	12,657	2,244	21.6%
93.8%	10,363	12,369	2,006	19.4%
95.1%	7,751	10,244	2,493	32.2%
96.3%	7,171	10,244	3,074	42.9%
97.5%	7,002	10,029	3,027	43.2%
98.8%	7,002	9,150	2,149	30.7%
100.0%	7,002	7,002	0	0.0%

Table SW-10-9a
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 D	6,192	6,453	7,555	8,712	10,834	8,351	6,814	7,734	10,183	12,887	10,271	7,808
Difference	1	80	860	438	623	-204	-127	-132	-663	-323	-280	-261
Percent Difference[3]	0.0%	1.3%	12.8%	5.3%	6.1%	-2.4%	-1.8%	-1.7%	-6.1%	-2.4%	-2.6%	-3.2%
Water Year Types[2]												
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 D	7,658	8,148	8,526	16,352	18,818	15,983	9,453	9,497	10,516	12,618	10,802	11,861
Difference	362	-501	1,157	454	461	-243	-26	32	1	-346	-214	-515
Percent Difference	5.0%	-5.8%	15.7%	2.9%	2.5%	-1.5%	-0.3%	0.3%	0.0%	-2.7%	-1.9%	-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 D	6,215	8,681	7,985	7,648	15,181	8,341	6,186	7,775	10,414	14,059	10,158	7,758
Difference	263	408	1,142	12	1,027	-72	93	83	-921	-235	-544	-440
Percent Difference	4.4%	4.9%	16.7%	0.2%	7.3%	-0.9%	1.5%	1.1%	-8.1%	-1.6%	-5.1%	-5.4%
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 D	5,622	5,562	8,745	4,850	6,477	4,568	5,178	6,868	9,873	13,005	9,648	5,413
Difference	361	496	826	564	777	-178	12	-90	-861	7	-533	16
Percent Difference	6.9%	9.8%	10.4%	13.2%	13.6%	-3.8%	0.2%	-1.3%	-8.0%	0.1%	-5.2%	0.3%
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 D	5,230	4,891	7,726	4,623	4,504	3,558	5,458	7,083	9,865	12,883	10,244	5,458
Difference	-706	426	810	734	739	-320	-190	-125	-1,379	-543	-437	-198
Percent Difference	-11.9%	9.5%	11.7%	18.9%	19.6%	-8.2%	-3.4%	-1.7%	-12.3%	-4.0%	-4.1%	-3.5%
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 D	5,100	3,936	3,380	3,861	3,767	3,429	5,669	5,862	10,071	12,164	9,999	5,393
Difference	-404	5	49	237	214	-110	-636	-763	-535	-419	376	48
Percent Difference	-7.3%	0.1%	1.5%	6.5%	6.0%	-3.1%	-10.1%	-11.5%	-5.0%	-3.3%	3.9%	0.9%

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-10-9b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

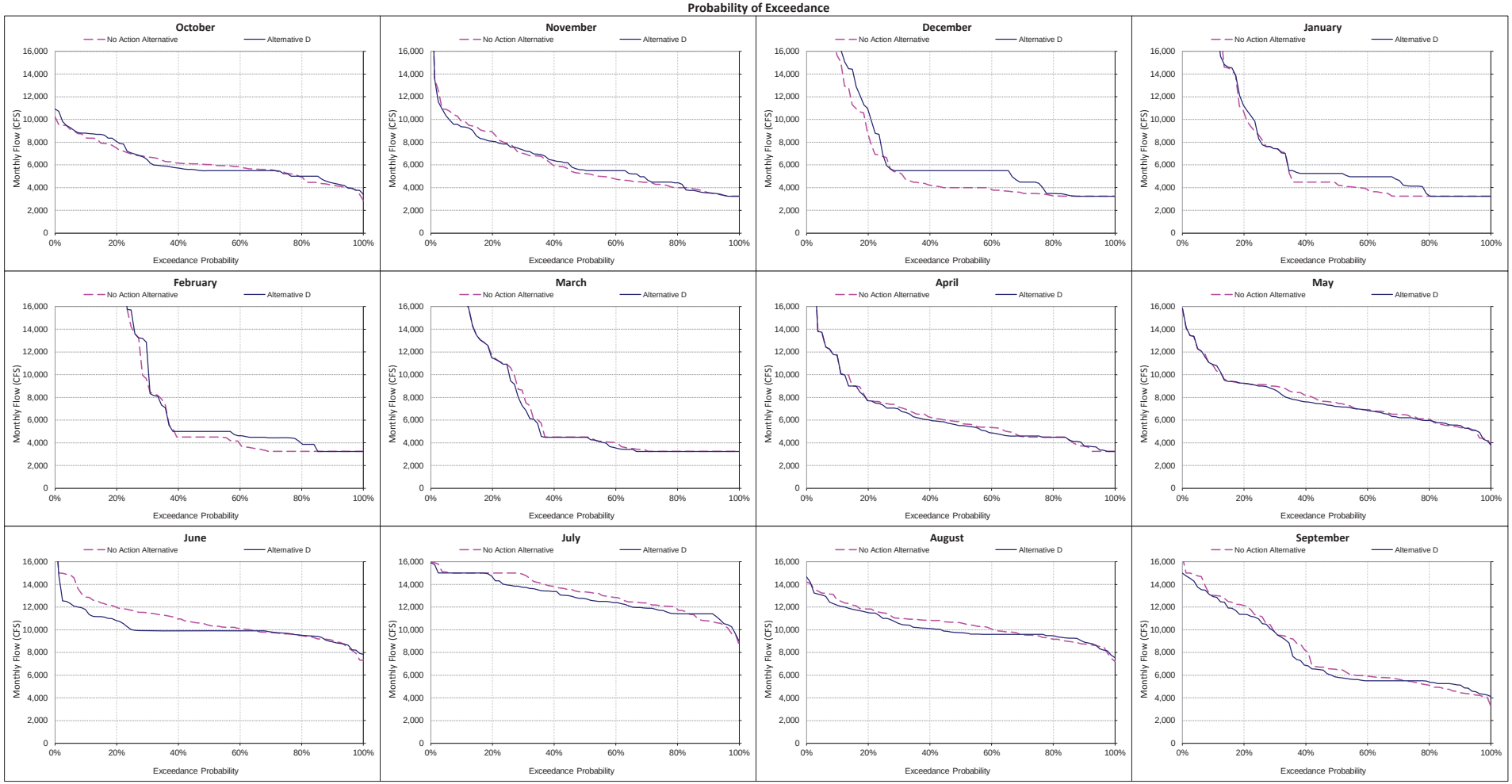

Table SW-10-9b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	10,925	682	6.7%
1.2%	9,547	10,728	1,181	12.4%
2.5%	9,499	9,827	328	3.5%
3.7%	9,474	9,474	0	0.0%
4.9%	9,132	9,287	155	1.7%
6.2%	8,999	9,048	49	0.5%
7.4%	8,745	8,840	95	1.1%
8.6%	8,730	8,809	79	0.9%
9.9%	8,370	8,795	425	5.1%
11.1%	8,361	8,757	396	4.7%
12.3%	8,352	8,737	384	4.6%
13.6%	8,299	8,700	401	4.8%
14.8%	7,926	8,684	758	9.6%
16.0%	7,889	8,626	737	9.3%
17.3%	7,852	8,361	509	6.5%
18.5%	7,727	8,353	627	8.1%
19.8%	7,525	8,102	577	7.7%
21.0%	7,275	7,896	621	8.5%
22.2%	7,215	7,848	634	8.8%
23.5%	7,087	7,197	111	1.6%
24.7%	6,974	7,063	88	1.3%
25.9%	6,848	6,957	109	1.6%
27.2%	6,820	6,862	42	0.6%
28.4%	6,788	6,733	-56	-0.8%
29.6%	6,701	6,531	-170	-2.5%
30.9%	6,670	6,173	-497	-7.5%
32.1%	6,641	5,995	-646	-9.7%
33.3%	6,561	5,965	-595	-9.1%
34.6%	6,428	5,920	-509	-7.9%
35.8%	6,303	5,908	-395	-6.3%
37.0%	6,280	5,845	-436	-6.9%
38.3%	6,266	5,777	-489	-7.8%
39.5%	6,171	5,747	-424	-6.9%
40.7%	6,153	5,706	-447	-7.3%
42.0%	6,130	5,633	-497	-8.1%
43.2%	6,112	5,605	-507	-8.3%
44.4%	6,099	5,601	-498	-8.2%
45.7%	6,096	5,561	-535	-8.8%
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	5,500	-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	5,440	63	1.2%
74.1%	5,367	5,234	-133	-2.5%
75.3%	5,248	5,222	-27	-0.5%
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	4,751	388	8.9%
87.7%	4,328	4,594	266	6.1%
88.9%	4,256	4,458	202	4.7%
90.1%	4,231	4,396	165	3.9%
91.4%	4,148	4,323	175	4.2%
92.6%	4,108	4,239	131	3.2%
93.8%	4,052	4,176	124	3.1%
95.1%	4,000	3,961	-39	-1.0%
96.3%	3,955	3,943	-12	-0.3%
97.5%	3,774	3,787	13	0.3%
98.8%	3,390	3,746	356	10.5%
100.0%	2,836	3,390	554	19.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	27,983	473	1.7%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	11,552	-968	-7.7%
3.7%	10,931	10,931	0	0.0%
4.9%	10,889	10,344	-545	-5.0%
6.2%	10,724	9,935	-789	-7.4%
7.4%	10,436	9,594	-841	-8.1%
8.6%	10,295	9,590	-706	-6.9%
9.9%	9,856	9,363	-492	-5.0%
11.1%	9,831	9,327	-504	-5.1%
12.3%	9,497	9,238	-259	-2.7%
13.6%	9,433	9,052	-381	-4.0%
14.8%	9,384	8,564	-820	-8.7%
16.0%	9,095	8,322	-773	-8.5%
17.3%	8,986	8,271	-715	-8.0%
18.5%	8,949	8,128	-820	-9.2%
19.8%	8,948	8,080	-868	-9.7%
21.0%	8,590	8,050	-540	-6.3%
22.2%	8,173	7,918	-255	-3.1%
23.5%	8,012	7,840	-172	-2.1%
24.7%	7,918	7,833	-84	-1.1%
25.9%	7,839	7,577	-262	-3.3%
27.2%	7,482	7,574	92	1.2%
28.4%	7,071	7,470	399	5.6%
29.6%	7,043	7,341	299	4.2%
30.9%	6,937	7,225	288	4.2%
32.1%	6,822	7,174	352	5.2%
33.3%	6,803	6,970	167	2.5%
34.6%	6,799	6,940	141	2.1%
35.8%	6,758	6,912	154	2.3%
37.0%	6,493	6,758	265	4.1%
38.3%	6,296	6,472	176	2.8%
39.5%	6,015	6,406	391	6.5%
40.7%	5,857	6,312	455	7.8%
42.0%	5,849	6,296	446	7.6%
43.2%	5,827	6,202	375	6.4%
44.4%	5,673	6,187	514	9.1%
45.7%	5,437	5,813	375	6.9%
46.9%	5,321	5,667	346	6.5%
48.1%	5,279	5,583	304	5.8%
49.4%	5,250	5,559	309	5.9%
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	5,239	609	13.2%
65.4%	4,553	5,212	659	14.5%
66.7%	4,521	5,204	683	15.1%
67.9%	4,511	4,950	439	9.7%
69.1%	4,473	4,950	477	10.7%
70.4%	4,458	4,637	179	4.0%
71.6%	4,430	4,500	70	1.6%
72.8%	4,286	4,500	214	5.0%
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	4,418	418	10.5%
80.2%	4,000	4,416	416	10.4%
81.5%	4,000	4,297	297	7.4%
82.7%	4,000	3,792	-208	-5.2%
84.0%	4,000	3,761	-239	-6.0%
85.2%	3,885	3,751	-134	-3.5%
86.4%	3,834	3,691	-143	-3.7%
87.7%	3,755	3,596	-159	-4.2%
88.9%	3,635	3,547	-88	-2.4%
90.1%	3,556	3,525	-31	-0.9%
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	3,330	33	1.0%
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%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	27,414	1,187	4.5%
1.2%	24,964	25,226	261	1.0%
2.5%	24,622	24,622	0	0.0%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	20,733	-885	-4.1%
6.2%	20,314	20,314	0	0.0%
7.4%	18,063	17,876	-187	-1.0%
8.6%	17,244	17,294	51	0.3%
9.9%	15,658	16,417	760	4.9%
11.1%	15,051	16,107	1,056	7.0%
12.3%	12,935	15,051	2,116	16.4%
13.6%	12,898	14,483	1,585	12.3%
14.8%	11,307	14,429	3,122	27.6%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	12,126	1,440	13.5%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,804	9,881	2,077	26.6%
22.2%	6,930	8,778	1,848	26.7%
23.5%	6,907	8,699	1,792	26.0%
24.7%	6,742	6,907	165	2.4%
25.9%	6,656	5,944	-712	-10.7%
27.2%	5,642	5,642	0	0.0%
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	5,500	1,810	49.1%
66.7%	3,650	4,950	1,300	35.6%
67.9%	3,609	4,691	1,082	30.0%
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	4,500	1,010	28.9%
74.1%	3,481	4,500	1,019	29.3%
75.3%	3,472	4,378	906	26.1%
76.5%	3,471	4,000	529	15.3%
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	3,314	64	2.0%
86.4%	3,250	3,273	23	0.7%
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%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,735	52,735	0	0.0%
1.2%	38,615	38,615	0	0.0%
2.5%	34,203	34,203	0	0.0%
3.7%	30,587	30,587	0	0.0%
4.9%	26,924	27,611	687	2.6%
6.2%	25,153	25,153	0	0.0%
7.4%	24,008	22,380	-1,628	-6.8%
8.6%	20,927	20,927	0	0.0%
9.9%	19,053	19,053	0	0.0%
11.1%	18,323	18,323	0	0.0%
12.3%	18,115	15,567	-2,548	-14.1%
13.6%	14,598	14,826	228	1.6%
14.8%	14,544	14,598	55	0.4%
16.0%	14,354	14,544	190	1.3%
17.3%	13,878	13,878	0	0.0%
18.5%	11,161	12,119	958	8.6%
19.8%	10,786	11,266	479	4.4%
21.0%	9,852	10,761	909	9.2%
22.2%	9,385	10,331	946	10.1%
23.5%	8,989	9,852	863	9.6%
24.7%	8,666	8,333	-333	-3.8%
25.9%	8,193	7,766	-427	-5.2%
27.2%	7,628	7,628	0	0.0%
28.4%	7,626	7,626	0	0.0%
29.6%	7,446	7,446	0	0.0%
30.9%	7,419	7,419	0	0.0%
32.1%	7,140	7,049	-91	-1.3%
33.3%	7,049	7,005	-44	-0.6%
34.6%	5,316	5,500	184	3.5%
35.8%	4,500	5,500	1,000	22.2%
37.0%	4,500	5,349	849	18.9%
38.3%	4,500	5,250	750	16.7%
39.5%	4,500	5,250	750	16.7%
40.7%	4,500	5,250	750	16.7%
42.0%	4,500	5,250	750	16.7%
43.2%	4,500	5,250	750	16.7%
44.4%	4,500	5,250	750	16.7%
45.7%	4,500	5,250	750	16.7%
46.9%	4,500	5,250	750	16.7%
48.1%	4,500	5,250	750	16.7%
49.4%	4,465	5,250	785	17.6%
50.6%	4,202	5,250	1,048	24.9%
51.9%	4,165	5,250	1,085	26.0%
53.1%	4,087	5,069	981	24.0%
54.3%	4,082	4,950	868	21.3%
55.6%	4,040	4,950	910	22.5%
56.8%	4,025	4,950	925	23.0%
58.0%	3,979	4,950	971	24.4%
59.3%	3,926	4,950	1,024	26.1%
60.5%	3,738	4,950	1,212	32.4%
61.7%	3,638	4,950	1,312	36.1%
63.0%	3,629	4,950	1,321	36.4%
64.2%	3,584	4,950	1,366	38.1%
65.4%	3,502	4,950	1,448	41.4%
66.7%	3,488	4,950	1,462	41.9%
67.9%	3,255	4,950	1,695	52.1%
69.1%	3,250	4,750	1,500	46.2%
70.4%	3,250	4,618	1,368	42.1%
71.6%	3,250	4,222	972	29.9%
72.8%	3,250	4,165	915	28.2%
74.1%	3,250	4,125	875	26.9%
75.3%	3,250	4,125	875	26.9%
76.5%	3,250	4,125	875	26.9%
77.8%	3,250	4,094	844	26.0%
79.0%	3,250	3,488	238	7.3%
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%

Table SW-10-9b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,368	3,361	7.6%
1.2%	42,028	45,507	3,479	8.3%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	32,487	9	0.0%
6.2%	31,736	31,785	49	0.2%
7.4%	30,069	30,288	219	0.7%
8.6%	28,992	30,069	1,077	3.7%
9.9%	27,512	29,841	2,329	8.5%
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	15,744	39	0.2%
24.7%	14,217	15,705	1,488	10.5%
25.9%	13,598	13,598	0	0.0%
27.2%	13,212	13,252	40	0.3%
28.4%	9,952	13,212	3,260	32.8%
29.6%	9,642	12,865	3,223	33.4%
30.9%	8,436	8,323	-113	-1.3%
32.1%	8,323	8,164	-159	-1.9%
33.3%	8,164	8,111	-53	-0.6%
34.6%	7,864	7,328	-536	-6.8%
35.8%	7,324	7,087	-237	-3.2%
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	4,562	925	25.4%
63.0%	3,588	4,500	912	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	4,500	1,149	34.3%
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	4,455	1,205	37.1%
76.5%	3,250	4,455	1,205	37.1%
77.8%	3,250	4,375	1,125	34.6%
79.0%	3,250	4,148	898	27.6%
80.2%	3,250	3,875	625	19.2%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,101	41,100	-1	0.0%
2.5%	40,248	40,240	-9	0.0%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	22,203	-4,341	-16.4%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	17,191	-1,353	-7.3%
11.1%	17,063	16,582	-482	-2.8%
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	11,506	-213	-1.8%
21.0%	11,423	11,344	-78	-0.7%
22.2%	11,165	11,165	0	0.0%
23.5%	11,012	10,926	-86	-0.8%
24.7%	10,926	10,912	-14	-0.1%
25.9%	10,601	9,444	-1,157	-10.9%
27.2%	9,911	9,161	-750	-7.6%
28.4%	8,704	8,020	-684	-7.9%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,848	-680	-9.0%
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	4,552	-1,176	-20.5%
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	4,500	0	0.0%
51.9%	4,461	4,257	-204	-4.6%
53.1%	4,250	4,250	0	0.0%
54.3%	4,143	4,134	-9	-0.2%
55.6%	4,134	4,048	-86	-2.1%
56.8%	4,087	3,979	-108	-2.6%
58.0%	4,060	3,657	-403	-9.9%
59.3%	4,048	3,602	-446	-11.0%
60.5%	3,979	3,510	-468	-11.8%
61.7%	3,658	3,436	-221	-6.1%
63.0%	3,602	3,422	-180	-5.0%
64.2%	3,510	3,422	-89	-2.5%
65.4%	3,494	3,419	-75	-2.1%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,039	2	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,798	1	0.0%
4.9%	13,739	13,739	0	0.0%
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	9,012	-975	-9.8%
14.8%	9,031	9,000	-31	-0.3%
16.0%	9,000	8,989	-11	-0.1%
17.3%	8,925	8,463	-462	-5.2%
18.5%	8,301	8,180	-121	-1.5%
19.8%	7,716	7,705	-10	-0.1%
21.0%	7,694	7,694	0	0.0%
22.2%	7,637	7,502	-135	-1.8%
23.5%	7,635	7,460	-175	-2.3%
24.7%	7,467	7,324	-143	-1.9%
25.9%	7,463	7,061	-402	-5.4%
27.2%	7,395	7,060	-335	-4.5%
28.4%	7,381	7,050	-331	-4.5%
29.6%	7,158	6,985	-172	-2.4%
30.9%	7,069	6,741	-329	-4.7%
32.1%	6,958	6,680	-278	-4.0%
33.3%	6,804	6,544	-260	-3.8%
34.6%	6,680	6,298	-382	-5.7%
35.8%	6,529	6,215	-314	-4.8%
37.0%	6,525	6,152	-372	-5.7%
38.3%	6,515	6,050	-466	-7.1%
39.5%	6,298	6,030	-268	-4.3%
40.7%	6,213	5,951	-262	-4.2%
42.0%	6,127	5,921	-206	-3.4%
43.2%	6,093	5,886	-207	-3.4%
44.4%	6,031	5,843	-188	-3.1%
45.7%	6,010	5,734	-277	-4.6%
46.9%	5,946	5,664	-281	-4.7%
48.1%	5,889	5,610	-278	-4.7%
49.4%	5,878	5,524	-354	-6.0%
50.6%	5,664	5,521	-143	-2.5%
51.9%	5,645	5,477	-168	-3.0%
53.1%	5,625	5,437	-188	-3.3%
54.3%	5,577	5,379	-198	-3.6%
55.6%	5,409	5,303	-106	-2.0%
56.8%	5,378	5,091	-287	-5.3%
58.0%	5,373	5,046	-326	-6.1%
59.3%	5,356	4,895	-461	-8.6%
60.5%	5,347	4,837	-510	-9.5%
61.7%	5,312	4,805	-507	-9.5%
63.0%	5,243	4,730	-513	-9.8%
64.2%	5,046	4,643	-403	-8.0%
65.4%	4,980	4,603	-377	-7.6%
66.7%	4,927	4,600	-327	-6.6%
67.9%	4,758	4,600	-158	-3.3%
69.1%	4,580	4,600	20	0.4%
70.4%	4,532	4,600	68	1.5%
71.6%	4,512	4,600	88	2.0%
72.8%	4,500	4,600	100	2.2%
74.1%	4,500	4,600	100	2.2%
75.3%	4,500	4,600	100	2.2%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,266	4,219	-47	-1.1%
86.4%	3,990	4,126	136	3.4%
87.7%	3,818	4,124	306	8.0%
88.9%	3,719	4,076	358	9.6%
90.1%	3,700	3,719	19	0.5%
91.4%	3,622	3,711	89	2.5%
92.6%	3,250	3,655	405	12.5%
93.8%	3,250	3,639	389	12.0%
95.1%	3,250	3,365	115	3.5%
96.3%	3,250	3,353	103	3.2%
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%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,837	15,837	0	0.0%
1.2%	14,124	14,124	0	0.0%
2.5%	13,439	13,439	0	0.0%
3.7%	13,385	13,385	0	0.0%
4.9%	12,281	12,281	0	0.0%
6.2%	12,057	12,057	0	0.0%
7.4%	11,783	11,531	-252	-2.1%
8.6%	10,962	11,059	97	0.9%
9.9%	10,855	10,890	35	0.3%
11.1%	10,307	10,783	477	4.6%
12.3%	10,242	10,242	0	0.0%
13.6%	9,608	9,508	-100	-1.0%
14.8%	9,473	9,414	-59	-0.6%
16.0%	9,395	9,395	0	0.0%
17.3%	9,324	9,392	68	0.7%
18.5%	9,264	9,281	17	0.2%
19.8%	9,247	9,252	5	0.1%
21.0%	9,212	9,208	-5	-0.1%
22.2%	9,150	9,140	-10	-0.1%
23.5%	9,140	9,102	-39	-0.4%
24.7%	9,138	9,002	-136	-1.5%
25.9%	9,129	8,996	-133	-1.5%
27.2%	9,102	8,966	-136	-1.5%
28.4%	9,002	8,830	-172	-1.9%
29.6%	8,996	8,707	-289	-3.2%
30.9%	8,966	8,534	-432	-4.8%
32.1%	8,869	8,262	-607	-6.8%
33.3%	8,778	8,043	-736	-8.4%
34.6%	8,584	7,926	-658	-7.7%
35.8%	8,453	7,829	-623	-7.4%
37.0%	8,436	7,775	-661	-7.8%
38.3%	8,423	7,684	-739	-8.8%
39.5%	8,226	7,619	-607	-7.4%
40.7%	8,140	7,587	-554	-6.8%
42.0%	8,043	7,548	-495	-6.1%
43.2%	7,872	7,467	-405	-5.1%
44.4%	7,684	7,449	-235	-3.1%
45.7%	7,657	7,416	-241	-3.1%
46.9%	7,626	7,329	-298	-3.9%
48.1%	7,591	7,294	-297	-3.9%
49.4%	7,585	7,216	-369	-4.9%
50.6%	7,467	7,201	-266	-3.6%
51.9%	7,427	7,152	-275	-3.7%
53.1%	7,335	7,150	-185	-2.5%
54.3%	7,260	7,102	-158	-2.2%
55.6%	7,071	7,006	-65	-0.9%
56.8%	6,943	6,990	47	0.7%
58.0%	6,936	6,948	12	0.2%
59.3%	6,925	6,902	-23	-0.3%
60.5%	6,923	6,816	-107	-1.5%
61.7%	6,802	6,801	-1	0.0%
63.0%	6,795	6,733	-62	-0.9%
64.2%	6,777	6,684	-93	-1.4%
65.4%	6,725	6,561	-163	-2.4%
66.7%	6,622	6,519	-103	-1.6%
67.9%	6,519	6,322	-197	-3.0%
69.1%	6,519	6,306	-213	-3.3%
70.4%	6,513	6,200	-313	-4.8%
71.6%	6,477	6,200	-277	-4.3%
72.8%	6,446	6,200	-246	-3.8%
74.1%	6,307	6,200	-107	-1.7%
75.3%	6,299	6,133	-166	-2.6%
76.5%	6,123	6,064	-59	-1.0%
77.8%	6,121	5,981	-140	-2.3%
79.0%	6,092	5,970	-121	-2.0%
80.2%	6,064	5,961	-102	-1.7%
81.5%	5,811	5,876	65	1.1%
82.7%	5,663	5,766	103	1.8%
84.0%	5,619	5,765	146	2.6%
85.2%	5,530	5,716	185	3.3%
86.4%	5,504	5,580	76	1.4%
87.7%	5,441	5,563	122	2.3%
88.9%	5,426	5,561	135	2.5%
90.1%	5,331	5,514	183	3.4%
91.4%	5,321	5,302	-19	-0.4%
92.6%	5,319	5,277	-42	-0.8%
93.8%	5,178	5,103	-75	-1.4%
95.1%	5,092	5,084	-7	-0.1%
96.3%	4,410	4,905	495	11.2%
97.5%	4,407	4,308	-99	-2.2%
98.8%	4,388	4,187	-201	-4.6%
100.0%	3,737	3,818	81	2.2%

Table SW-10-9b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	15,000	14,846	-154	-1.0%
2.5%	14,970	12,554	-2,416	-16.1%
3.7%	14,882	12,500	-2,382	-16.0%
4.9%	14,846	12,324	-2,522	-17.0%
6.2%	14,582	12,073	-2,509	-17.2%
7.4%	13,652	12,020	-1,632	-12.0%
8.6%	13,166	11,949	-1,216	-9.2%
9.9%	12,879	11,778	-1,101	-8.5%
11.1%	12,855	11,337	-1,517	-11.8%
12.3%	12,607	11,187	-1,420	-11.3%
13.6%	12,555	11,162	-1,394	-11.1%
14.8%	12,388	11,155	-1,232	-9.9%
16.0%	12,299	11,115	-1,183	-9.6%
17.3%	12,170	11,000	-1,169	-9.6%
18.5%	12,142	10,988	-1,154	-9.5%
19.8%	11,998	10,834	-1,165	-9.7%
21.0%	11,875	10,735	-1,140	-9.6%
22.2%	11,859	10,532	-1,327	-11.2%
23.5%	11,816	10,266	-1,550	-13.1%
24.7%	11,714	10,019	-1,695	-14.5%
25.9%	11,672	9,950	-1,722	-14.8%
27.2%	11,530	9,922	-1,608	-13.9%
28.4%	11,528	9,920	-1,608	-14.0%
29.6%	11,525	9,917	-1,607	-13.9%
30.9%	11,471	9,906	-1,565	-13.6%
32.1%	11,419	9,903	-1,516	-13.3%
33.3%	11,360	9,900	-1,460	-12.9%
34.6%	11,299	9,900	-1,399	-12.4%
35.8%	11,275	9,900	-1,375	-12.2%
37.0%	11,203	9,900	-1,303	-11.6%
38.3%	11,132	9,900	-1,232	-11.1%
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%	10,693	9,900	-793	-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	9,844	74	0.8%
70.4%	9,740	9,802	62	0.6%
71.6%	9,719	9,758	39	0.4%
72.8%	9,672	9,736	64	0.7%
74.1%	9,645	9,716	71	0.7%
75.3%	9,643	9,678	35	0.4%
76.5%	9,623	9,650	27	0.3%
77.8%	9,606	9,582	-25	-0.3%
79.0%	9,494	9,557	63	0.7%
80.2%	9,472	9,513	41	0.4%
81.5%	9,415	9,477	62	0.7%
82.7%	9,402	9,462	60	0.6%
84.0%	9,310	9,437	127	1.4%
85.2%	9,191	9,425	234	2.6%
86.4%	9,179	9,322	143	1.6%
87.7%	9,176	9,100	-76	-0.8%
88.9%	9,151	9,001	-150	-1.6%
90.1%	9,048	8,916	-132	-1.5%
91.4%	8,928	8,843	-85	-1.0%
92.6%	8,887	8,784	-103	-1.2%
93.8%	8,668	8,752	85	1.0%
95.1%	8,376	8,636	260	3.1%
96.3%	8,186	8,235	49	0.6%
97.5%	7,946	8,221	275	3.5%
98.8%	7,334	7,921	587	8.0%
100.0%	7,300	7,823	522	7.2%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,897	-90	-0.6%
1.2%	15,912	15,775	-137	-0.9%
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	14,947	-53	-0.4%
19.8%	15,000	14,741	-259	-1.7%
21.0%	15,000	14,316	-684	-4.6%
22.2%	15,000	14,303	-697	-4.6%
23.5%	15,000	14,018	-982	-6.5%
24.7%	15,000	13,945	-1,055	-7.0%
25.9%	15,000	13,912	-1,088	-7.3%
27.2%	15,000	13,840	-1,160	-7.7%
28.4%	15,000	13,835	-1,165	-7.8%
29.6%	14,903	13,755	-1,148	-7.7%
30.9%	14,780	13,739	-1,041	-7.0%
32.1%	14,539	13,632	-907	-6.2%
33.3%	14,273	13,626	-647	-4.5%
34.6%	14,165	13,536	-629	-4.4%
35.8%	14,115	13,433	-682	-4.8%
37.0%	13,988	13,428	-559	-4.0%
38.3%	13,875	13,423	-452	-3.3%
39.5%	13,837	13,373	-465	-3.4%
40.7%	13,725	13,368	-357	-2.6%
42.0%	13,678	13,072	-606	-4.4%
43.2%	13,641	13,034	-606	-4.4%
44.4%	13,548	13,007	-540	-4.0%
45.7%	13,539	12,941	-598	-4.4%
46.9%	13,410	12,847	-563	-4.2%
48.1%	13,348	12,780	-568	-4.3%
49.4%	13,338	12,770	-568	-4.3%
50.6%	13,332	12,713	-619	-4.6%
51.9%	13,286	12,589	-697	-5.2%
53.1%	13,224	12,554	-670	-5.1%
54.3%	13,219	12,500	-719	-5.4%
55.6%	13,011	12,500	-511	-3.9%
56.8%	12,972	12,500	-472	-3.6%
58.0%	12,921	12,449	-472	-3.7%
59.3%	12,864	12,400	-464	-3.6%
60.5%	12,824	12,397	-427	-3.3%
61.7%	12,720	12,302	-417	-3.3%
63.0%	12,535	12,240	-295	-2.4%
64.2%	12,447	12,090	-357	-2.9%
65.4%	12,444	11,979	-465	-3.7%
66.7%	12,438	11,974	-464	-3.7%
67.9%	12,395	11,955	-440	-3.5%
69.1%	12,369	11,919	-450	-3.6%
70.4%	12,355	11,900	-455	-3.7%
71.6%	12,189	11,900	-289	-2.4%
72.8%	12,185	11,813	-372	-3.1%
74.1%	12,134	11,730	-404	-3.3%
75.3%	12,107	11,701	-405	-3.3%
76.5%	12,077	11,558	-519	-4.3%
77.8%	12,053	11,460	-593	-4.9%
79.0%	12,042	11,427	-615	-5.1%
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	11,400	697	6.5%
92.6%	10,629	11,156	527	5.0%
93.8%	10,571	10,870	299	2.8%
95.1%	10,401	10,524	124	1.2%
96.3%	10,147	10,439	292	2.9%
97.5%	9,660	10,269	609	6.3%
98.8%	9,616	9,634	18	0.2%
100.0%	8,623	8,959	336	3.9%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,679	473	3.3%
1.2%	14,094	14,207	112	0.8%
2.5%	13,568	13,238	-330	-2.4%
3.7%	13,414	13,161	-252	-1.9%
4.9%	13,238	13,054	-184	-1.4%
6.2%	13,212	12,948	-263	-2.0%
7.4%	13,146	12,446	-701	-5.3%
8.6%	13,133	12,310	-823	-6.3%
9.9%	12,632	12,168	-464	-3.7%
11.1%	12,511	12,046	-465	-3.7%
12.3%	12,356	12,010	-345	-2.8%
13.6%	12,313	11,906	-408	-3.3%
14.8%	12,182	11,805	-377	-3.1%
16.0%	12,127	11,737	-390	-3.2%
17.3%	11,864	11,676	-188	-1.6%
18.5%	11,841	11,614	-227	-1.9%
19.8%	11,834	11,526	-308	-2.6%
21.0%	11,825	11,482	-343	-2.9%
22.2%	11,607	11,471	-136	-1.2%
23.5%	11,565	11,278	-287	-2.5%
24.7%	11,483	11,014	-469	-4.1%
25.9%	11,451	11,014	-437	-3.8%
27.2%	11,274	10,896	-378	-3.3%
28.4%	11,036	10,727	-309	-2.8%
29.6%	11,014	10,597	-417	-3.8%
30.9%	10,987	10,446	-541	-4.9%
32.1%	10,972	10,417	-555	-5.1%
33.3%	10,933	10,411	-523	-4.8%
34.6%	10,923	10,219	-704	-6.4%
35.8%	10,907	10,207	-700	-6.4%
37.0%	10,874	10,178	-696	-6.4%
38.3%	10,850	10,124	-725	-6.7%
39.5%	10,849	10,107	-741	-6.8%
40.7%	10,832	10,100	-731	-6.8%
42.0%	10,829	10,052	-777	-7.2%
43.2%	10,829	10,033	-796	-7.3%
44.4%	10,717	9,881	-835	-7.8%
45.7%	10,696	9,863	-833	-7.8%
46.9%	10,667	9,796	-871	-8.2%
48.1%	10,658	9,778	-880	-8.3%
49.4%	10,638	9,743	-895	-8.4%
50.6%	10,564	9,722	-843	-8.0%
51.9%	10,486	9,700	-786	-7.5%
53.1%	10,436	9,621	-814	-7.8%
54.3%	10,368	9,619	-749	-7.2%
55.6%	10,314	9,617	-698	-6.8%
56.8%	10,291	9,600	-691	-6.7%
58.0%	10,263	9,600	-663	-6.5%
59.3%	10,150	9,600	-550	-5.4%
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	9,478	183	2.0%
79.0%	9,217	9,478	261	2.8%
80.2%	9,159	9,459	300	3.3%
81.5%	9,158	9,372	215	2.3%
82.7%	9,039	9,331	291	3.2%
84.0%	9,001	9,287	286	3.2%
85.2%	8,954	9,266	311	3.5%
86.4%	8,921	9,260	339	3.8%
87.7%	8,875	9,246	372	4.2%
88.9%	8,753	9,063	310	3.5%
90.1%	8,734	8,912	178	2.0%
91.4%	8,720	8,829	109	1.2%
92.6%	8,663	8,762	99	1.1%
93.8%	8,605	8,642	37	0.4%
95.1%	8,526	8,324	-202	-2.4%
96.3%	8,503	8,210	-293	-3.4%
97.5%	7,966	8,141	175	2.2%
98.8%	7,494	7,767	273	3.6%
100.0%	7,199	7,545	346	4.8%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,437	14,993	-1,443	-8.8%
1.2%	15,000	14,748	-252	-1.7%
2.5%	15,000	14,544	-456	-3.0%
3.7%	14,861	14,294	-567	-3.8%
4.9%	14,762	13,746	-1,016	-6.9%
6.2%	14,683	13,521	-1,162	-7.9%
7.4%	13,885	13,493	-392	-2.8%
8.6%	13,220	13,120	-99	-0.8%
9.9%	13,042	12,923	-120	-0.9%
11.1%	13,001	12,869	-133	-1.0%
12.3%	12,974	12,467	-507	-3.9%
13.6%	12,778	12,431	-347	-2.7%
14.8%	12,497	11,921	-575	-4.6%
16.0%	12,431	11,906	-526	-4.2%
17.3%	12,244	11,695	-549	-4.5%
18.5%	12,224	11,362	-862	-7.1%
19.8%	12,156	11,358	-797	-6.6%
21.0%	12,047	11,342	-705	-5.8%
22.2%	11,757	11,174	-582	-5.0%
23.5%	11,342	11,109	-233	-2.1%
24.7%	11,260	10,961	-299	-2.7%
25.9%	11,141	10,531	-610	-5.5%
27.2%	10,527	10,480	-47	-0.4%
28.4%	10,460	10,116	-344	-3.3%
29.6%	9,887	9,892	4	0.0%
30.9%	9,526	9,523	-3	0.0%
32.1%	9,501	9,355	-146	-1.5%
33.3%	9,424	9,116	-308	-3.3%
34.6%	9,252	8,846	-406	-4.4%
35.8%	9,192	7,654	-1,538	-16.7%
37.0%	8,816	7,383	-1,433	-16.3%
38.3%	8,734	7,297	-1,437	-16.5%
39.5%	8,250	6,900	-1,350	-16.4%
40.7%	8,014	6,813	-1,200	-15.0%
42.0%	6,843	6,564	-279	-4.1%
43.2%	6,746	6,536	-210	-3.1%
44.4%	6,718	6,491	-227	-3.4%
45.7%	6,706	6,440	-266	-4.0%
46.9%	6,577	6,134	-442	-6.7%
48.1%	6,547	6,023	-524	-8.0%
49.4%	6,535	5,872	-664	-10.2%
50.6%	6,465	5,786	-679	-10.5%
51.9%	6,450	5,760	-689	-10.7%
53.1%	6,260	5,702	-558	-8.9%
54.3%	6,061	5,658	-403	-6.7%
55.6%	6,013	5,625	-388	-6.4%
56.8%	5,967	5,625	-343	-5.7%
58.0%	5,962	5,548	-414	-7.0%
59.3%	5,916	5,500	-416	-7.0%
60.5%	5,907	5,500	-407	-6.9%
61.7%	5,849	5,500	-349	-6.0%
63.0%	5,814	5,500	-314	-5.4%
64.2%	5,792	5,500	-292	-5.0%
65.4%	5,786	5,500	-286	-4.9%
66.7%	5,779	5,500	-279	-4.8%
67.9%	5,778	5,500	-278	-4.8%
69.1%	5,675	5,500	-175	-3.1%
70.4%	5,636	5,500	-136	-2.4%
71.6%	5,515	5,500	-15	-0.3%
72.8%	5,456	5,500	44	0.8%
74.1%	5,446	5,500	54	1.0%
75.3%	5,359	5,500	141	2.6%
76.5%	5,348	5,500	152	2.8%
77.8%	5,207	5,500	293	5.6%
79.0%	5,168	5,473	305	5.9%
80.2%	5,086	5,360	273	5.4%
81.5%	4,946	5,349	403	8.2%
82.7%	4,935	5,250	315	6.4%
84.0%	4,894	5,250	356	7.3%
85.2%	4,771	5,250	479	10.0%
86.4%	4,758	5,250	492	10.3%
87.7%	4,606	5,203	597	13.0%
88.9%	4,578	5,154	577	12.6%
90.1%	4,441	5,125	684	15.4%
91.4%	4,395	4,876	481	11.0%
92.6%	4,351	4,862	511	11.7%
93.8%	4,342	4,577	235	5.4%
95.1%	4,238	4,540	302	7.1%
96.3%	4,231	4,367	136	3.2%
97.5%	4,119	4,322	204	4.9%
98.8%	4,100	4,256	156	3.8%
100.0%	3,250	4,108	858	26.4%

Table SW-11-9a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
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 D	7,120	8,681	12,329	15,526	18,515	14,329	10,528	9,780	11,129	13,127	10,431	8,224
Difference	2	79	858	431	621	-207	-124	-131	-662	-299	-282	-262
Percent Difference[3]	0.0%	0.9%	7.5%	2.9%	3.5%	-1.4%	-1.2%	-1.3%	-5.6%	-2.2%	-2.6%	-3.1%
	Water Year Types[2]											
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 D	8,621	10,635	13,179	27,874	30,517	24,822	15,250	12,551	12,054	13,088	11,052	12,331
Difference	365	-505	1,160	449	460	-243	-23	33	0	-347	-214	-514
Percent Difference	4.4%	-4.5%	9.7%	1.6%	1.5%	-1.0%	-0.2%	0.3%	0.0%	-2.6%	-1.9%	-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 D	7,268	10,977	12,903	16,072	24,292	15,842	10,518	10,099	11,268	14,187	10,285	8,181
Difference	266	405	1,137	2	1,028	-85	95	82	-924	-175	-547	-440
Percent Difference	3.8%	3.8%	9.7%	0.0%	4.4%	-0.5%	0.9%	0.8%	-7.6%	-1.2%	-5.0%	-5.1%
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 D	6,788	7,861	13,810	9,773	12,522	8,734	8,510	8,495	10,617	13,152	9,729	5,767
Difference	360	493	822	557	774	-181	14	-90	-862	85	-536	17
Percent Difference	5.6%	6.7%	6.3%	6.0%	6.6%	-2.0%	0.2%	-1.1%	-7.5%	0.7%	-5.2%	0.3%
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 D	6,051	7,128	13,494	7,770	9,792	8,074	7,647	8,449	10,448	12,976	10,380	5,895
Difference	-707	431	804	726	735	-323	-185	-123	-1,379	-538	-439	-200
Percent Difference	-10.5%	6.4%	6.3%	10.3%	8.1%	-3.8%	-2.4%	-1.4%	-11.7%	-4.0%	-4.1%	-3.3%
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 D	5,711	5,436	6,434	6,573	6,810	5,987	6,985	6,951	10,601	12,346	10,128	5,728
Difference	-405	9	48	233	213	-110	-634	-757	-529	-410	366	43
Percent Difference	-6.6%	0.2%	0.7%	3.7%	3.2%	-1.8%	-8.3%	-9.8%	-4.8%	-3.2%	3.7%	0.8%

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-11-9b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

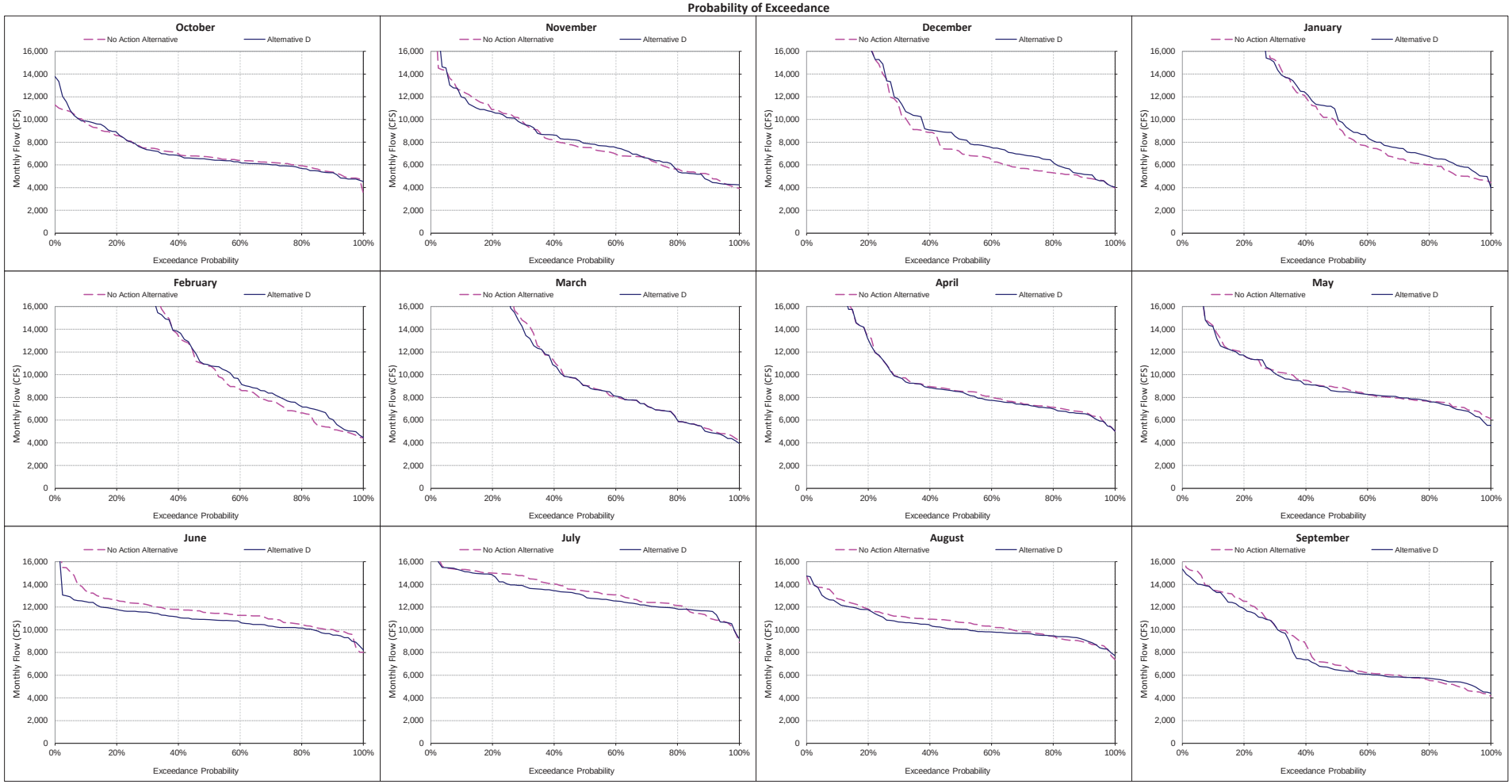

Table SW-11-9b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	13,791	2,513	22.3%
1.2%	11,021	13,347	2,327	21.1%
2.5%	10,886	12,039	1,154	10.6%
3.7%	10,809	11,559	750	6.9%
4.9%	10,697	10,810	113	1.1%
6.2%	10,470	10,367	-103	-1.0%
7.4%	10,086	10,096	10	0.1%
8.6%	10,046	9,880	-167	-1.7%
9.9%	9,702	9,868	167	1.7%
11.1%	9,490	9,798	307	3.2%
12.3%	9,320	9,718	398	4.3%
13.6%	9,276	9,605	329	3.5%
14.8%	9,047	9,577	530	5.9%
16.0%	8,947	9,392	445	5.0%
17.3%	8,943	9,074	131	1.5%
18.5%	8,799	8,949	150	1.7%
19.8%	8,607	8,942	335	3.9%
21.0%	8,555	8,603	49	0.6%
22.2%	8,390	8,403	13	0.2%
23.5%	8,131	8,134	3	0.0%
24.7%	8,081	8,017	-64	-0.8%
25.9%	7,773	7,894	121	1.6%
27.2%	7,713	7,623	-90	-1.2%
28.4%	7,498	7,482	-17	-0.2%
29.6%	7,492	7,353	-139	-1.9%
30.9%	7,473	7,306	-167	-2.2%
32.1%	7,460	7,242	-217	-2.9%
33.3%	7,395	7,196	-199	-2.7%
34.6%	7,244	6,994	-250	-3.4%
35.8%	7,219	6,960	-260	-3.6%
37.0%	7,177	6,890	-288	-4.0%
38.3%	7,147	6,874	-273	-3.8%
39.5%	7,066	6,867	-199	-2.8%
40.7%	6,852	6,770	-83	-1.2%
42.0%	6,822	6,611	-211	-3.1%
43.2%	6,805	6,611	-195	-2.9%
44.4%	6,792	6,583	-209	-3.1%
45.7%	6,780	6,574	-206	-3.0%
46.9%	6,757	6,538	-218	-3.2%
48.1%	6,753	6,538	-215	-3.2%
49.4%	6,719	6,496	-222	-3.3%
50.6%	6,681	6,467	-214	-3.2%
51.9%	6,634	6,419	-215	-3.2%
53.1%	6,591	6,416	-176	-2.7%
54.3%	6,495	6,386	-110	-1.7%
55.6%	6,493	6,367	-126	-1.9%
56.8%	6,486	6,365	-120	-1.9%
58.0%	6,475	6,286	-189	-2.9%
59.3%	6,415	6,272	-143	-2.2%
60.5%	6,397	6,168	-230	-3.6%
61.7%	6,364	6,163	-201	-3.2%
63.0%	6,357	6,130	-227	-3.6%
64.2%	6,334	6,110	-224	-3.5%
65.4%	6,301	6,107	-194	-3.1%
66.7%	6,251	6,095	-156	-2.5%
67.9%	6,243	6,094	-149	-2.4%
69.1%	6,226	6,042	-184	-3.0%
70.4%	6,210	6,018	-192	-3.1%
71.6%	6,196	6,008	-188	-3.0%
72.8%	6,162	5,924	-239	-3.9%
74.1%	6,115	5,912	-202	-3.3%
75.3%	6,113	5,910	-204	-3.3%
76.5%	6,032	5,876	-156	-2.6%
77.8%	6,017	5,853	-164	-2.7%
79.0%	5,939	5,744	-194	-3.3%
80.2%	5,920	5,666	-254	-4.3%
81.5%	5,845	5,647	-198	-3.4%
82.7%	5,792	5,502	-289	-5.0%
84.0%	5,696	5,493	-203	-3.6%
85.2%	5,619	5,470	-150	-2.7%
86.4%	5,481	5,379	-101	-1.8%
87.7%	5,443	5,347	-97	-1.8%
88.9%	5,399	5,309	-91	-1.7%
90.1%	5,369	5,308	-61	-1.1%
91.4%	5,261	5,137	-124	-2.4%
92.6%	5,144	4,842	-302	-5.9%
93.8%	4,960	4,821	-139	-2.8%
95.1%	4,854	4,757	-97	-2.0%
96.3%	4,850	4,749	-101	-2.1%
97.5%	4,838	4,749	-90	-1.9%
98.8%	4,746	4,643	-103	-2.2%
100.0%	3,451	4,532	1,081	31.3%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	36,790	470	1.3%
1.2%	20,310	20,311	0	0.0%
2.5%	14,530	17,843	3,313	22.8%
3.7%	14,384	14,627	244	1.7%
4.9%	14,311	14,531	220	1.5%
6.2%	13,627	13,017	-609	-4.5%
7.4%	13,326	12,781	-545	-4.1%
8.6%	12,640	12,746	105	0.8%
9.9%	12,564	11,991	-573	-4.6%
11.1%	12,357	11,893	-464	-3.8%
12.3%	12,201	11,363	-838	-6.9%
13.6%	11,943	11,187	-756	-6.3%
14.8%	11,732	11,014	-717	-6.1%
16.0%	11,535	10,887	-648	-5.6%
17.3%	11,403	10,886	-517	-4.5%
18.5%	11,371	10,776	-595	-5.2%
19.8%	10,885	10,696	-189	-1.7%
21.0%	10,881	10,567	-314	-2.9%
22.2%	10,734	10,533	-201	-1.9%
23.5%	10,536	10,411	-125	-1.2%
24.7%	10,508	10,175	-333	-3.2%
25.9%	10,442	10,151	-292	-2.8%
27.2%	10,198	10,117	-82	-0.8%
28.4%	10,154	9,834	-320	-3.2%
29.6%	9,847	9,650	-197	-2.0%
30.9%	9,511	9,510	-1	0.0%
32.1%	9,280	9,449	170	1.8%
33.3%	9,127	9,268	142	1.6%
34.6%	9,085	8,776	-309	-3.4%
35.8%	8,732	8,690	-42	-0.5%
37.0%	8,365	8,668	303	3.6%
38.3%	8,275	8,661	387	4.7%
39.5%	8,215	8,655	441	5.4%
40.7%	8,058	8,589	532	6.6%
42.0%	7,979	8,305	326	4.1%
43.2%	7,920	8,269	349	4.4%
44.4%	7,798	8,267	469	6.0%
45.7%	7,766	8,230	464	6.0%
46.9%	7,692	8,187	495	6.4%
48.1%	7,557	8,140	583	7.7%
49.4%	7,552	7,936	384	5.1%
50.6%	7,531	7,887	356	4.7%
51.9%	7,531	7,843	313	4.2%
53.1%	7,323	7,810	487	6.7%
54.3%	7,258	7,708	450	6.2%
55.6%	7,221	7,687	466	6.5%
56.8%	7,166	7,657	492	6.9%
58.0%	7,119	7,599	480	6.7%
59.3%	7,037	7,587	550	7.8%
60.5%	6,869	7,473	604	8.8%
61.7%	6,795	7,427	633	9.3%
63.0%	6,786	7,291	505	7.4%
64.2%	6,771	7,166	395	5.8%
65.4%	6,760	6,955	195	2.9%
66.7%	6,737	6,939	202	3.0%
67.9%	6,732	6,788	55	0.8%
69.1%	6,732	6,642	-90	-1.3%
70.4%	6,580	6,594	14	0.2%
71.6%	6,343	6,469	126	2.0%
72.8%	6,225	6,368	143	2.3%
74.1%	6,082	6,358	276	4.5%
75.3%	5,913	6,239	326	5.5%
76.5%	5,806	6,236	430	7.4%
77.8%	5,668	6,132	464	8.2%
79.0%	5,648	5,764	117	2.1%
80.2%	5,638	5,376	-262	-4.6%
81.5%	5,449	5,295	-154	-2.8%
82.7%	5,429	5,294	-135	-2.5%
84.0%	5,387	5,253	-134	-2.5%
85.2%	5,379	5,218	-162	-3.0%
86.4%	5,280	5,189	-92	-1.7%
87.7%	5,259	5,172	-86	-1.6%
88.9%	5,253	4,774	-480	-9.1%
90.1%	5,153	4,648	-504	-9.8%
91.4%	4,790	4,439	-351	-7.3%
92.6%	4,748	4,425	-322	-6.8%
93.8%	4,579	4,358	-221	-4.8%
95.1%	4,376	4,321	-55	-1.3%
96.3%	4,239	4,286	47	1.1%
97.5%	4,128	4,279	152	3.7%
98.8%	4,029	4,259	231	5.7%
100.0%	3,936	4,255	319	8.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,823	1	0.0%
1.2%	41,259	40,251	-1,008	-2.4%
2.5%	34,922	35,866	943	2.7%
3.7%	34,074	34,904	830	2.4%
4.9%	33,410	33,177	-233	-0.7%
6.2%	31,136	31,184	47	0.2%
7.4%	29,912	29,910	-2	0.0%
8.6%	29,696	29,515	-181	-0.6%
9.9%	25,091	28,426	3,334	13.3%
11.1%	23,809	25,860	2,051	8.6%
12.3%	22,287	23,835	1,548	6.9%
13.6%	21,560	23,820	2,260	10.5%
14.8%	21,351	23,004	1,653	7.7%
16.0%	20,125	21,347	1,222	6.1%
17.3%	18,729	21,134	2,406	12.8%
18.5%	18,189	20,751	2,562	14.1%
19.8%	17,210	20,060	2,850	16.6%
21.0%	16,249	16,052	-197	-1.2%
22.2%	15,283	15,286	3	0.0%
23.5%	14,883	15,278	396	2.7%
24.7%	14,038	14,884	846	6.0%
25.9%	13,574	13,403	-171	-1.3%
27.2%	11,964	13,341	1,377	11.5%
28.4%	11,837	11,962	125	1.1%
29.6%	11,462	11,828	366	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.8%
33.3%	9,607	10,540	934	9.7%
34.6%	9,114	10,367	1,253	13.8%
35.8%	9,104	10,323	1,219	13.4%
37.0%	9,074	10,244	1,171	12.9%
38.3%	8,927	9,184	257	2.9%
39.5%	8,872	9,083	211	2.4%
40.7%	8,860	9,067	207	2.3%
42.0%	8,688	8,983	295	3.4%
43.2%	7,771	8,927	1,155	14.9%
44.4%	7,415	8,917	1,502	20.3%
45.7%	7,384	8,875	1,491	20.2%
46.9%	7,383	8,874	1,490	20.2%
48.1%	7,342	8,502	1,161	15.8%
49.4%	7,231	8,279	1,048	14.5%
50.6%	6,951	8,226	1,275	18.3%
51.9%	6,923	8,173	1,251	18.1%
53.1%	6,810	7,840	1,030	15.1%
54.3%	6,783	7,767	984	14.5%
55.6%	6,775	7,763	987	14.6%
56.8%	6,771	7,738	968	14.3%
58.0%	6,681	7,654	973	14.6%
59.3%	6,603	7,586	983	14.9%
60.5%	6,255	7,485	1,230	19.7%
61.7%	6,243	7,483	1,240	19.9%
63.0%	6,143	7,389	1,246	20.3%
64.2%	5,994	7,325	1,330	22.2%
65.4%	5,954	7,103	1,149	19.3%
66.7%	5,831	7,059	1,228	21.1%
67.9%	5,815	6,970	1,155	19.9%
69.1%	5,705	6,951	1,246	21.8%
70.4%	5,690	6,877	1,187	20.9%
71.6%	5,676	6,816	1,140	20.1%
72.8%	5,570	6,793	1,222	21.9%
74.1%	5,524	6,728	1,204	21.8%
75.3%	5,475	6,690	1,215	22.2%
76.5%	5,461	6,529	1,068	19.6%
77.8%	5,365	6,469	1,104	20.6%
79.0%	5,347	6,449	1,102	20.6%
80.2%	5,293	6,154	861	16.3%
81.5%	5,235	5,951	717	13.7%
82.7%	5,225	5,838	614	11.7%
84.0%	5,163	5,711	548	10.6%
85.2%	5,153	5,659	506	9.8%
86.4%	5,126	5,345	220	4.3%
87.7%	5,121	5,269	149	2.9%
88.9%	4,931	5,236	305	6.2%
90.1%	4,891	5,154	262	5.4%
91.4%	4,816	5,138	322	6.7%
92.6%	4,778	5,127	349	7.3%
93.8%	4,711	4,711	0	0.0%
95.1%	4,676	4,605	-70	-1.5%
96.3%	4,606	4,605	0	0.0%
97.5%	4,303	4,304	1	0.0%
98.8%	4,144	4,142	-2	0.0%
100.0%	3,976	4,046	70	1.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,541	77,537	-4	0.0%
1.2%	57,064	57,067	3	0.0%
2.5%	51,783	51,792	9	0.0%
3.7%	50,578	50,564	-14	0.0%
4.9%	42,791	43,485	694	1.6%
6.2%	41,455	40,565	-890	-2.1%
7.4%	40,574	40,493	-81	-0.2%
8.6%	34,319	39,823	5,504	16.0%
9.9%	31,949	31,951	2	0.0%
11.1%	30,488	30,485	-3	0.0%
12.3%	27,474	26,703	-771	-2.8%
13.6%	26,710	26,633	-76	-0.3%
14.8%	26,677	26,523	-154	-0.6%
16.0%	26,519	26,243	-276	-1.0%
17.3%	25,821	23,502	-2,319	-9.0%
18.5%	23,516	22,712	-805	-3.4%
19.8%	22,709	22,141	-568	-2.5%
21.0%	20,817	20,622	-195	-0.9%
22.2%	20,128	20,484	356	1.8%
23.5%	19,931	20,111	180	0.9%
24.7%	19,542	19,932	390	2.0%
25.9%	18,554	18,685	131	0.7%
27.2%	17,321	15,410	-1,911	-11.0%
28.4%	15,412	15,294	-118	-0.8%
29.6%	15,293	15,069	-224	-1.5%
30.9%	15,065	14,358	-707	-4.7%
32.1%	14,349	13,907	-442	-3.1%
33.3%	13,725	13,716	-10	-0.1%
34.6%	13,620	13,619	-1	0.0%
35.8%	12,821	13,433	612	4.8%
37.0%	12,374	12,986	613	5.0%
38.3%	12,238	12,490	252	2.1%
39.5%	12,136	12,434	297	2.4%
40.7%	11,655	12,137	482	4.1%
42.0%	11,231	11,659	428	3.8%
43.2%	11,163	11,358	194	1.7%
44.4%	10,534	11,270	736	7.0%
45.7%	10,196	11,225	1,029	10.1%
46.9%	10,174	11,180	1,006	9.9%
48.1%	10,158	11,164	1,007	9.9%
49.4%	9,932	10,935	1,003	10.1%
50.6%	9,218	9,887	669	7.3%
51.9%	8,976	9,746	769	8.6%
53.1%	8,414	9,347	933	11.1%
54.3%	8,351	9,092	741	8.9%
55.6%	8,186	8,860	674	8.2%
56.8%	7,851	8,844	993	12.7%
58.0%	7,754	8,684	930	12.0%
59.3%	7,709	8,657	948	12.3%
60.5%	7,524	8,301	777	10.3%
61.7%	7,468	8,136	668	8.9%
63.0%	7,444	7,999	554	7.4%
64.2%	7,302	7,996	693	9.5%
65.4%	7,132	7,739	607	8.5%
66.7%	6,786	7,658	872	12.9%
67.9%	6,714	7,565	851	12.7%
69.1%	6,603	7,526	924	14.0%
70.4%	6,528	7,470	942	14.4%
71.6%	6,516	7,436	921	14.1%
72.8%	6,302	7,137	835	13.2%
74.1%	6,212	7,078	865	13.9%
75.3%	6,147	7,073	926	15.1%
76.5%	6,125	6,985	860	14.0%
77.8%	6,103	6,902	799	13.1%
79.0%	6,029	6,784	755	12.5%
80.2%	6,012	6,715	703	11.7%
81.5%	5,973	6,587	614	10.3%
82.7%	5,883	6,530	647	11.0%
84.0%	5,882	6,516	634	10.8%
85.2%	5,483	6,475	992	18.1%
86.4%	5,441	6,290	848	15.6%
87.7%	5,282	6,160	878	16.6%
88.9%	5,048	5,974	926	18.3%
90.1%	5,016	5,880	864	17.2%
91.4%	5,009	5,797	788	15.7%
92.6%	4,992	5,787	795	15.9%
93.8%	4,841	5,515	674	13.9%
95.1%	4,793	5,311	518	10.8%
96.3%	4,680	5,047	366	7.8%
97.5%	4,671	5,014	343	7.4%
98.8%	4,595	4,988	394	8.6%
100.0%	4,441	3,966	-475	-10.7%

Table SW-11-9b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,741	75,254	1,513	2.1%
1.2%	62,985	68,129	5,144	8.2%
2.5%	62,796	62,996	200	0.3%
3.7%	55,334	55,332	-2	0.0%
4.9%	48,194	49,753	1,558	3.2%
6.2%	47,418	49,576	2,158	4.6%
7.4%	45,743	47,086	1,343	2.9%
8.6%	43,850	43,894	44	0.1%
9.9%	43,343	43,346	3	0.0%
11.1%	42,098	43,109	1,012	2.4%
12.3%	39,597	42,143	2,546	6.4%
13.6%	39,566	39,600	34	0.1%
14.8%	37,756	37,772	16	0.0%
16.0%	32,915	32,919	3	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	27,913	0	0.0%
22.2%	27,169	27,167	-2	0.0%
23.5%	24,392	25,650	1,258	5.2%
24.7%	24,232	24,230	-1	0.0%
25.9%	23,284	23,282	-1	0.0%
27.2%	20,793	23,042	2,249	10.8%
28.4%	20,711	22,551	1,841	8.9%
29.6%	19,550	20,791	1,241	6.3%
30.9%	17,705	20,712	3,008	17.0%
32.1%	17,162	16,555	-608	-3.5%
33.3%	16,589	15,457	-1,132	-6.8%
34.6%	15,790	15,289	-501	-3.2%
35.8%	15,288	14,919	-370	-2.4%
37.0%	14,927	14,828	-100	-0.7%
38.3%	13,915	13,909	-6	0.0%
39.5%	13,642	13,860	219	1.6%
40.7%	13,102	13,643	542	4.1%
42.0%	12,925	13,110	184	1.4%
43.2%	12,797	12,911	114	0.9%
44.4%	12,302	12,303	1	0.0%
45.7%	11,183	11,833	651	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,953	-1	0.0%
49.4%	10,770	10,902	132	1.2%
50.6%	10,733	10,767	34	0.3%
51.9%	10,471	10,720	250	2.4%
53.1%	9,836	10,703	867	8.8%
54.3%	9,691	10,473	782	8.1%
55.6%	9,214	10,336	1,122	12.2%
56.8%	8,953	10,134	1,182	13.2%
58.0%	8,944	9,717	773	8.6%
59.3%	8,826	9,679	852	9.7%
60.5%	8,597	9,147	550	6.4%
61.7%	8,587	9,019	432	5.0%
63.0%	8,528	8,951	423	5.0%
64.2%	8,450	8,841	391	4.6%
65.4%	8,182	8,800	619	7.6%
66.7%	7,885	8,600	715	9.1%
67.9%	7,822	8,584	762	9.7%
69.1%	7,680	8,387	708	9.2%
70.4%	7,649	8,383	734	9.6%
71.6%	7,575	8,180	605	8.0%
72.8%	7,354	8,024	670	9.1%
74.1%	7,145	7,859	714	10.0%
75.3%	6,833	7,695	862	12.6%
76.5%	6,828	7,590	763	11.2%
77.8%	6,797	7,576	780	11.5%
79.0%	6,633	7,328	695	10.5%
80.2%	6,630	7,148	519	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,045	552	8.5%
84.0%	5,844	6,967	1,123	19.2%
85.2%	5,509	6,874	1,364	24.8%
86.4%	5,471	6,777	1,305	23.9%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,161	784	14.6%
90.1%	5,165	6,021	857	16.6%
91.4%	5,143	5,614	471	9.1%
92.6%	5,056	5,376	319	6.3%
93.8%	4,970	5,165	195	3.9%
95.1%	4,910	5,058	148	3.0%
96.3%	4,794	5,031	238	5.0%
97.5%	4,666	4,972	306	6.5%
98.8%	4,495	4,667	172	3.8%
100.0%	4,441	4,460	19	0.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,281	69,286	6	0.0%
1.2%	69,130	69,128	-2	0.0%
2.5%	53,612	53,621	9	0.0%
3.7%	50,175	50,168	-7	0.0%
4.9%	46,777	46,778	2	0.0%
6.2%	39,468	35,137	-4,331	-11.0%
7.4%	33,138	33,113	-25	-0.1%
8.6%	31,967	31,946	-22	-0.1%
9.9%	29,384	28,031	-1,352	-4.6%
11.1%	26,760	26,735	-25	-0.1%
12.3%	25,167	25,169	2	0.0%
13.6%	23,886	23,403	-483	-2.0%
14.8%	21,386	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	19,137	-793	-4.0%
19.8%	19,871	19,060	-811	-4.1%
21.0%	19,134	18,980	-154	-0.8%
22.2%	18,532	18,570	39	0.2%
23.5%	18,238	18,535	297	1.6%
24.7%	17,674	17,675	1	0.0%
25.9%	17,354	15,862	-1,492	-8.6%
27.2%	15,647	15,487	-160	-1.0%
28.4%	15,302	14,804	-499	-3.3%
29.6%	14,801	14,257	-544	-3.7%
30.9%	14,581	13,450	-1,131	-7.8%
32.1%	14,256	13,182	-1,073	-7.5%
33.3%	13,653	12,560	-1,094	-8.0%
34.6%	12,557	12,340	-218	-1.7%
35.8%	12,342	12,233	-109	-0.9%
37.0%	11,751	11,809	57	0.5%
38.3%	11,699	11,695	-4	0.0%
39.5%	11,358	10,888	-469	-4.1%
40.7%	10,908	10,668	-240	-2.2%
42.0%	10,645	10,140	-505	-4.7%
43.2%	9,868	9,869	1	0.0%
44.4%	9,798	9,804	6	0.1%
45.7%	9,735	9,731	-3	0.0%
46.9%	9,700	9,691	-9	-0.1%
48.1%	9,419	9,417	-2	0.0%
49.4%	9,087	9,056	-31	-0.3%
50.6%	9,033	9,028	-4	0.0%
51.9%	8,992	8,780	-213	-2.4%
53.1%	8,776	8,699	-77	-0.9%
54.3%	8,697	8,665	-33	-0.4%
55.6%	8,605	8,606	1	0.0%
56.8%	8,491	8,536	45	0.5%
58.0%	8,153	8,496	343	4.2%
59.3%	8,092	8,164	73	0.9%
60.5%	8,017	8,097	80	1.0%
61.7%	7,902	8,012	110	1.4%
63.0%	7,809	7,806	-4	0.0%
64.2%	7,765	7,767	2	0.0%
65.4%	7,764	7,763	-1	0.0%
66.7%	7,759	7,755	-4	-0.1%
67.9%	7,467	7,467	0	0.0%
69.1%	7,448	7,444	-4	-0.1%
70.4%	7,189	7,189	0	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,893	-7	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,839	6	0.1%
76.5%	6,801	6,798	-3	0.0%
77.8%	6,755	6,753	-2	0.0%
79.0%	6,399	6,398	-1	0.0%
80.2%	5,876	5,867	-9	-0.2%
81.5%	5,846	5,848	2	0.0%
82.7%	5,793	5,794	1	0.0%
84.0%	5,674	5,673	0	0.0%
85.2%	5,665	5,654	-11	-0.2%
86.4%	5,531	5,532	1	0.0%
87.7%	5,469	5,470	1	0.0%
88.9%	5,283	5,030	-253	-4.8%
90.1%	5,214	4,931	-283	-5.4%
91.4%	5,038	4,861	-177	-3.5%
92.6%	4,930	4,816	-115	-2.3%
93.8%	4,813	4,756	-57	-1.2%
95.1%	4,805	4,605	-200	-4.2%
96.3%	4,767	4,389	-378	-7.9%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,183	-205	-4.7%
100.0%	4,197	3,964	-233	-5.6%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,231	41,236	5	0.0%
1.2%	33,731	33,732	2	0.0%
2.5%	24,731	24,732	2	0.0%
3.7%	23,667	23,666	-1	0.0%
4.9%	22,398	22,399	1	0.0%
6.2%	22,070	22,070	1	0.0%
7.4%	17,934	17,933	0	0.0%
8.6%	17,612	17,615	4	0.0%
9.9%	17,573	17,573	1	0.0%
11.1%	16,912	16,914	2	0.0%
12.3%	16,879	16,884	6	0.0%
13.6%	16,204	15,746	-458	-2.8%
14.8%	15,744	15,741	-4	0.0%
16.0%	14,572	14,575	3	0.0%
17.3%	14,317	14,322	4	0.0%
18.5%	14,172	14,181	9	0.1%
19.8%	13,397	13,197	-200	-1.5%
21.0%	13,196	12,502	-694	-5.3%
22.2%	11,941	11,953	12	0.1%
23.5%	11,702	11,704	2	0.0%
24.7%	11,304	11,305	1	0.0%
25.9%	10,873	10,873	0	0.0%
27.2%	10,482	10,331	-151	-1.4%
28.4%	9,935	9,887	-48	-0.5%
29.6%	9,824	9,775	-48	-0.5%
30.9%	9,743	9,683	-59	-0.6%
32.1%	9,704	9,359	-345	-3.6%
33.3%	9,425	9,256	-169	-1.8%
34.6%	9,256	9,253	-3	0.0%
35.8%	9,204	9,211	7	0.1%
37.0%	9,191	9,169	-22	-0.2%
38.3%	9,091	8,928	-163	-1.8%
39.5%	8,944	8,868	-76	-0.8%
40.7%	8,926	8,822	-104	-1.2%
42.0%	8,890	8,748	-143	-1.6%
43.2%	8,836	8,741	-95	-1.1%
44.4%	8,818	8,685	-133	-1.5%
45.7%	8,759	8,653	-107	-1.2%
46.9%	8,719	8,603	-116	-1.3%
48.1%	8,604	8,530	-74	-0.9%
49.4%	8,552	8,502	-50	-0.6%
50.6%	8,533	8,442	-91	-1.1%
51.9%	8,509	8,286	-224	-2.6%
53.1%	8,502	8,155	-347	-4.1%
54.3%	8,479	8,104	-375	-4.4%
55.6%	8,440	7,930	-510	-6.0%
56.8%	8,195	7,914	-281	-3.4%
58.0%	8,110	7,796	-314	-3.9%
59.3%	8,105	7,761	-344	-4.2%
60.5%	7,964	7,729	-235	-2.9%
61.7%	7,912	7,673	-238	-3.0%
63.0%	7,866	7,650	-215	-2.7%
64.2%	7,734	7,563	-171	-2.2%
65.4%	7,657	7,553	-104	-1.4%
66.7%	7,630	7,553	-77	-1.0%
67.9%	7,556	7,419	-138	-1.8%
69.1%	7,550	7,406	-144	-1.9%
70.4%	7,418	7,353	-65	-0.9%
71.6%	7,381	7,339	-42	-0.6%
72.8%	7,305	7,264	-41	-0.6%
74.1%	7,286	7,205	-81	-1.1%
75.3%	7,256	7,132	-124	-1.7%
76.5%	7,254	7,127	-127	-1.7%
77.8%	7,228	7,076	-152	-2.1%
79.0%	7,147	7,055	-92	-1.3%
80.2%	7,122	6,972	-150	-2.1%
81.5%	7,050	6,813	-238	-3.4%
82.7%	7,016	6,787	-229	-3.3%
84.0%	6,940	6,773	-167	-2.4%
85.2%	6,872	6,657	-216	-3.1%
86.4%	6,806	6,653	-153	-2.2%
87.7%	6,783	6,620	-162	-2.4%
88.9%	6,733	6,576	-157	-2.3%
90.1%	6,694	6,563	-131	-2.0%
91.4%	6,557	6,488	-69	-1.1%
92.6%	6,369	6,299	-70	-1.1%
93.8%	6,322	6,079	-243	-3.8%
95.1%	6,318	5,915	-403	-6.4%
96.3%	5,821	5,900	79	1.4%
97.5%	5,651	5,489	-163	-2.9%
98.8%	5,380	5,380	1	0.0%
100.0%	5,024	5,022	-1	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,596	22,597	2	0.0%
1.2%	19,337	19,340	2	0.0%
2.5%	18,463	18,466	3	0.0%
3.7%	18,153	18,156	3	0.0%
4.9%	17,616	17,616	0	0.0%
6.2%	17,362	17,363	1	0.0%
7.4%	14,874	14,802	-72	-0.5%
8.6%	14,596	14,345	-251	-1.7%
9.9%	14,329	14,257	-72	-0.5%
11.1%	13,696	13,204	-492	-3.6%
12.3%	13,203	12,532	-671	-5.1%
13.6%	12,531	12,368	-163	-1.3%
14.8%	12,265	12,264	-1	0.0%
16.0%	12,225	12,133	-91	-0.7%
17.3%	12,133	12,010	-123	-1.0%
18.5%	12,062	11,747	-315	-2.6%
19.8%	11,691	11,727	36	0.3%
21.0%	11,497	11,498	1	0.0%
22.2%	11,382	11,363	-19	-0.2%
23.5%	11,357	11,316	-40	-0.4%
24.7%	11,312	11,315	4	0.0%
25.9%	10,585	11,310	725	6.8%
27.2%	10,572	10,677	105	1.0%
28.4%	10,483	10,495	12	0.1%
29.6%	10,388	10,196	-192	-1.9%
30.9%	10,231	9,972	-259	-2.5%
32.1%	10,177	9,817	-361	-3.5%
33.3%	10,136	9,630	-506	-5.0%
34.6%	10,069	9,601	-469	-4.7%
35.8%	9,956	9,506	-450	-4.5%
37.0%	9,623	9,498	-125	-1.3%
38.3%	9,548	9,457	-91	-1.0%
39.5%	9,509	9,156	-353	-3.7%
40.7%	9,465	9,131	-334	-3.5%
42.0%	9,292	9,089	-203	-2.2%
43.2%	9,083	9,088	5	0.1%
44.4%	9,049	8,981	-68	-0.8%
45.7%	8,992	8,955	-37	-0.4%
46.9%	8,986	8,867	-118	-1.3%
48.1%	8,979	8,602	-377	-4.2%
49.4%	8,892	8,562	-330	-3.7%
50.6%	8,866	8,510	-357	-4.0%
51.9%	8,860	8,494	-366	-4.1%
53.1%	8,751	8,485	-266	-3.0%
54.3%	8,622	8,464	-157	-1.8%
55.6%	8,599	8,454	-145	-1.7%
56.8%	8,469	8,371	-98	-1.2%
58.0%	8,449	8,304	-145	-1.7%
59.3%	8,268	8,298	30	0.4%
60.5%	8,238	8,250	12	0.1%
61.7%	8,173	8,238	65	0.8%
63.0%	8,074	8,206	133	1.6%
64.2%	8,064	8,154	90	1.1%
65.4%	8,061	8,106	44	0.6%
66.7%	8,026	8,101	75	0.9%
67.9%	8,005	8,101	96	1.2%
69.1%	7,958	8,085	127	1.6%
70.4%	7,941	7,967	26	0.3%
71.6%	7,859	7,954	95	1.2%
72.8%	7,841	7,946	105	1.3%
74.1%	7,816	7,867	51	0.7%
75.3%	7,759	7,863	104	1.3%
76.5%	7,732	7,842	110	1.4%
77.8%	7,702	7,775	73	1.0%
79.0%	7,691	7,726	35	0.5%
80.2%	7,664	7,594	-70	-0.9%
81.5%	7,622	7,593	-29	-0.4%
82.7%	7,612	7,536	-76	-1.0%
84.0%	7,572	7,407	-165	-2.2%
85.2%	7,555	7,333	-222	-2.9%
86.4%	7,493	7,276	-217	-2.9%
87.7%	7,170	7,076	-94	-1.3%
88.9%	7,164	6,939	-225	-3.1%
90.1%	7,147	6,908	-238	-3.3%
91.4%	7,104	6,829	-276	-3.9%
92.6%	6,900	6,768	-133	-1.9%
93.8%	6,834	6,567	-267	-3.9%
95.1%	6,809	6,324	-486	-7.1%
96.3%	6,719	6,246	-472	-7.0%
97.5%	6,356	5,886	-470	-7.4%
98.8%	6,283	5,540	-743	-11.8%
100.0%	6,118	5,535	-583	-9.5%

Table SW-11-9b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,043	25,045	2	0.0%
1.2%	17,350	17,350	0	0.0%
2.5%	15,488	13,072	-2,417	-15.6%
3.7%	15,474	12,987	-2,487	-16.1%
4.9%	15,121	12,898	-2,223	-14.7%
6.2%	14,805	12,632	-2,172	-14.7%
7.4%	13,967	12,568	-1,399	-10.0%
8.6%	13,840	12,557	-1,283	-9.3%
9.9%	13,454	12,472	-982	-7.3%
11.1%	13,235	12,408	-827	-6.2%
12.3%	13,234	12,406	-828	-6.3%
13.6%	13,019	12,177	-841	-6.5%
14.8%	12,908	12,008	-901	-7.0%
16.0%	12,759	11,965	-794	-6.2%
17.3%	12,745	11,941	-804	-6.3%
18.5%	12,674	11,864	-810	-6.4%
19.8%	12,625	11,812	-813	-6.4%
21.0%	12,521	11,745	-776	-6.2%
22.2%	12,493	11,651	-843	-6.7%
23.5%	12,391	11,640	-751	-6.1%
24.7%	12,359	11,622	-737	-6.0%
25.9%	12,351	11,620	-731	-5.9%
27.2%	12,323	11,583	-740	-6.0%
28.4%	12,305	11,575	-731	-5.9%
29.6%	12,235	11,553	-682	-5.6%
30.9%	12,135	11,523	-613	-5.0%
32.1%	12,031	11,453	-577	-4.8%
33.3%	12,014	11,432	-582	-4.8%
34.6%	11,959	11,297	-662	-5.5%
35.8%	11,839	11,281	-558	-4.7%
37.0%	11,817	11,208	-609	-5.2%
38.3%	11,808	11,188	-620	-5.3%
39.5%	11,803	11,134	-669	-5.7%
40.7%	11,756	11,048	-708	-6.0%
42.0%	11,745	11,018	-727	-6.2%
43.2%	11,735	11,018	-717	-6.1%
44.4%	11,711	10,944	-768	-6.6%
45.7%	11,672	10,940	-732	-6.3%
46.9%	11,668	10,916	-753	-6.4%
48.1%	11,546	10,912	-634	-5.5%
49.4%	11,509	10,894	-615	-5.3%
50.6%	11,473	10,893	-581	-5.1%
51.9%	11,451	10,839	-611	-5.3%
53.1%	11,448	10,828	-619	-5.4%
54.3%	11,438	10,822	-615	-5.4%
55.6%	11,420	10,816	-603	-5.3%
56.8%	11,354	10,807	-546	-4.8%
58.0%	11,330	10,791	-539	-4.8%
59.3%	11,279	10,786	-493	-4.4%
60.5%	11,266	10,599	-667	-5.9%
61.7%	11,258	10,565	-693	-6.2%
63.0%	11,255	10,540	-715	-6.4%
64.2%	11,228	10,470	-757	-6.7%
65.4%	11,227	10,468	-758	-6.8%
66.7%	11,214	10,461	-752	-6.7%
67.9%	11,120	10,451	-668	-6.0%
69.1%	10,966	10,332	-634	-5.8%
70.4%	10,950	10,314	-637	-5.8%
71.6%	10,921	10,246	-675	-6.2%
72.8%	10,873	10,203	-670	-6.2%
74.1%	10,641	10,202	-439	-4.1%
75.3%	10,609	10,197	-412	-3.9%
76.5%	10,600	10,193	-407	-3.8%
77.8%	10,549	10,192	-357	-3.4%
79.0%	10,507	10,163	-344	-3.3%
80.2%	10,444	10,162	-282	-2.7%
81.5%	10,359	10,072	-287	-2.8%
82.7%	10,334	10,068	-267	-2.6%
84.0%	10,228	9,978	-249	-2.4%
85.2%	10,155	9,892	-264	-2.6%
86.4%	10,111	9,728	-383	-3.8%
87.7%	10,048	9,659	-389	-3.9%
88.9%	10,039	9,658	-381	-3.8%
90.1%	10,016	9,535	-481	-4.8%
91.4%	9,858	9,526	-332	-3.4%
92.6%	9,853	9,472	-381	-3.9%
93.8%	9,811	9,300	-511	-5.2%
95.1%	9,657	9,297	-360	-3.7%
96.3%	9,601	8,994	-607	-6.3%
97.5%	8,461	8,905	444	5.2%
98.8%	8,032	8,558	526	6.6%
100.0%	8,015	8,204	189	2.4%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,021	17,022	1	0.0%
1.2%	16,939	16,925	-15	-0.1%
2.5%	16,320	15,982	-338	-2.1%
3.7%	15,597	15,496	-101	-0.6%
4.9%	15,434	15,475	41	0.3%
6.2%	15,395	15,445	49	0.3%
7.4%	15,362	15,435	72	0.5%
8.6%	15,324	15,322	-2	0.0%
9.9%	15,321	15,223	-97	-0.6%
11.1%	15,320	15,127	-193	-1.3%
12.3%	15,281	15,088	-193	-1.3%
13.6%	15,205	15,014	-191	-1.3%
14.8%	15,171	14,973	-198	-1.3%
16.0%	15,092	14,946	-146	-1.0%
17.3%	15,031	14,925	-106	-0.7%
18.5%	15,018	14,906	-112	-0.7%
19.8%	15,008	14,874	-134	-0.9%
21.0%	14,977	14,653	-324	-2.2%
22.2%	14,960	14,226	-734	-4.9%
23.5%	14,941	14,217	-725	-4.9%
24.7%	14,908	14,043	-865	-5.8%
25.9%	14,899	13,960	-939	-6.3%
27.2%	14,870	13,950	-920	-6.2%
28.4%	14,783	13,922	-861	-5.8%
29.6%	14,772	13,909	-863	-5.8%
30.9%	14,679	13,775	-904	-6.2%
32.1%	14,480	13,642	-838	-5.8%
33.3%	14,460	13,620	-840	-5.8%
34.6%	14,421	13,603	-818	-5.7%
35.8%	14,212	13,579	-633	-4.5%
37.0%	14,145	13,538	-607	-4.3%
38.3%	14,092	13,525	-567	-4.0%
39.5%	14,041	13,472	-568	-4.0%
40.7%	14,027	13,413	-614	-4.4%
42.0%	13,901	13,362	-539	-3.9%
43.2%	13,866	13,336	-530	-3.8%
44.4%	13,591	13,312	-279	-2.1%
45.7%	13,564	13,283	-281	-2.1%
46.9%	13,545	13,185	-361	-2.7%
48.1%	13,489	13,147	-342	-2.5%
49.4%	13,448	13,048	-400	-3.0%
50.6%	13,397	12,809	-589	-4.4%
51.9%	13,363	12,760	-603	-4.5%
53.1%	13,315	12,760	-556	-4.2%
54.3%	13,291	12,728	-563	-4.2%
55.6%	13,175	12,685	-489	-3.7%
56.8%	13,125	12,677	-448	-3.4%
58.0%	13,104	12,617	-486	-3.7%
59.3%	13,079	12,546	-533	-4.1%
60.5%	13,071	12,525	-546	-4.2%
61.7%	13,009	12,494	-515	-4.0%
63.0%	12,853	12,409	-443	-3.4%
64.2%	12,790	12,368	-421	-3.3%
65.4%	12,710	12,352	-358	-2.8%
66.7%	12,657	12,274	-384	-3.0%
67.9%	12,487	12,197	-290	-2.3%
69.1%	12,464	12,195	-268	-2.2%
70.4%	12,406	12,113	-293	-2.4%
71.6%	12,405	12,053	-352	-2.8%
72.8%	12,403	12,040	-363	-2.9%
74.1%	12,386	12,004	-382	-3.1%
75.3%	12,360	11,965	-395	-3.2%
76.5%	12,336	11,962	-374	-3.0%
77.8%	12,320	11,943	-377	-3.1%
79.0%	12,155	11,903	-252	-2.1%
80.2%	12,130	11,816	-314	-2.6%
81.5%	12,099	11,812	-288	-2.4%
82.7%	11,898	11,809	-89	-0.7%
84.0%	11,579	11,791	213	1.8%
85.2%	11,472	11,753	281	2.4%
86.4%	11,450	11,701	251	2.2%
87.7%	11,409	11,679	270	2.4%
88.9%	11,334	11,678	344	3.0%
90.1%	11,024	11,663	639	5.8%
91.4%	10,935	11,616	681	6.2%
92.6%	10,851	11,323	472	4.3%
93.8%	10,844	10,685	-159	-1.5%
95.1%	10,743	10,661	-82	-0.8%
96.3%	10,604	10,635	32	0.3%
97.5%	10,317	10,537	221	2.1%
98.8%	9,776	9,733	-44	-0.4%
100.0%	8,895	9,223	328	3.7%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,735	14,737	1	0.0%
1.2%	13,942	14,680	738	5.3%
2.5%	13,922	13,938	16	0.1%
3.7%	13,739	13,729	-11	-0.1%
4.9%	13,725	13,046	-678	-4.9%
6.2%	13,606	12,784	-823	-6.0%
7.4%	13,569	12,643	-927	-6.8%
8.6%	13,206	12,624	-582	-4.4%
9.9%	12,741	12,391	-350	-2.7%
11.1%	12,673	12,171	-502	-4.0%
12.3%	12,537	12,102	-436	-3.5%
13.6%	12,438	12,042	-396	-3.2%
14.8%	12,340	11,995	-345	-2.8%
16.0%	12,252	11,916	-337	-2.7%
17.3%	12,151	11,810	-341	-2.8%
18.5%	11,955	11,797	-158	-1.3%
19.8%	11,841	11,786	-55	-0.5%
21.0%	11,691	11,598	-93	-0.8%
22.2%	11,601	11,408	-192	-1.7%
23.5%	11,588	11,256	-333	-2.9%
24.7%	11,443	11,124	-319	-2.8%
25.9%	11,434	10,845	-588	-5.1%
27.2%	11,301	10,832	-470	-4.2%
28.4%	11,208	10,777	-430	-3.8%
29.6%	11,206	10,685	-522	-4.7%
30.9%	11,183	10,664	-520	-4.6%
32.1%	11,132	10,624	-508	-4.6%
33.3%	11,053	10,616	-437	-4.0%
34.6%	11,048	10,573	-475	-4.3%
35.8%	10,995	10,553	-442	-4.0%
37.0%	10,989	10,499	-491	-4.5%
38.3%	10,950	10,490	-460	-4.2%
39.5%	10,930	10,460	-471	-4.3%
40.7%	10,930	10,317	-612	-5.6%
42.0%	10,914	10,256	-658	-6.0%
43.2%	10,898	10,238	-660	-6.1%
44.4%	10,885	10,174	-710	-6.5%
45.7%	10,852	10,119	-733	-6.8%
46.9%	10,811	10,071	-740	-6.8%
48.1%	10,736	10,070	-667	-6.2%
49.4%	10,674	10,065	-609	-5.7%
50.6%	10,649	10,046	-603	-5.7%
51.9%	10,630	10,035	-595	-5.6%
53.1%	10,593	9,927	-665	-6.3%
54.3%	10,492	9,915	-578	-5.5%
55.6%	10,462	9,846	-616	-5.9%
56.8%	10,351	9,844	-507	-4.9%
58.0%	10,334	9,818	-516	-5.0%
59.3%	10,334	9,812	-522	-5.0%
60.5%	10,227	9,798	-430	-4.2%
61.7%	10,203	9,785	-418	-4.1%
63.0%	10,198	9,771	-426	-4.2%
64.2%	10,125	9,740	-385	-3.8%
65.4%	10,078	9,708	-370	-3.7%
66.7%	9,991	9,705	-286	-2.9%
67.9%	9,913	9,691	-222	-2.2%
69.1%	9,893	9,690	-203	-2.1%
70.4%	9,835	9,667	-168	-1.7%
71.6%	9,823	9,662	-160	-1.6%
72.8%	9,798	9,640	-158	-1.6%
74.1%	9,707	9,544	-163	-1.7%
75.3%	9,659	9,526	-133	-1.4%
76.5%	9,614	9,510	-103	-1.1%
77.8%	9,469	9,505	36	0.4%
79.0%	9,462	9,471	9	0.1%
80.2%	9,406	9,462	55	0.6%
81.5%	9,203	9,405	201	2.2%
82.7%	9,195	9,404	209	2.3%
84.0%	9,127	9,397	270	3.0%
85.2%	9,088	9,376	288	3.2%
86.4%	9,081	9,319	238	2.6%
87.7%	9,061	9,306	245	2.7%
88.9%	8,977	9,221	244	2.7%
90.1%	8,892	9,099	207	2.3%
91.4%	8,856	8,973	117	1.3%
92.6%	8,702	8,857	155	1.8%
93.8%	8,666	8,679	14	0.2%
95.1%	8,658	8,403	-255	-2.9%
96.3%	8,584	8,312	-272	-3.2%
97.5%	8,264	8,301	38	0.5%
98.8%	7,686	7,956	269	3.5%
100.0%	7,375	7,715	340	4.6%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,774	15,340	-1,434	-8.6%
1.2%	15,495	14,902	-593	-3.8%
2.5%	15,276	14,640	-637	-4.2%
3.7%	15,182	14,336	-846	-5.6%
4.9%	15,152	14,017	-1,135	-7.5%
6.2%	14,779	13,987	-792	-5.4%
7.4%	13,926	13,896	-30	-0.2%
8.6%	13,864	13,814	-50	-0.4%
9.9%	13,501	13,502	1	0.0%
11.1%	13,438	13,291	-147	-1.1%
12.3%	13,376	13,276	-99	-0.7%
13.6%	13,290	12,890	-400	-3.0%
14.8%	13,217	12,441	-776	-5.9%
16.0%	13,177	12,415	-761	-5.8%
17.3%	12,779	12,309	-470	-3.7%
18.5%	12,769	12,024	-745	-5.8%
19.8%	12,525	11,907	-618	-4.9%
21.0%	12,507	11,637	-870	-7.0%
22.2%	12,136	11,572	-564	-4.7%
23.5%	12,020	11,425	-595	-5.0%
24.7%	11,717	11,109	-608	-5.2%
25.9%	11,467	11,071	-396	-3.5%
27.2%	10,974	10,920	-54	-0.5%
28.4%	10,941	10,849	-92	-0.8%
29.6%	10,465	10,542	77	0.7%
30.9%	10,056	9,999	-57	-0.6%
32.1%	9,977	9,808	-170	-1.7%
33.3%	9,958	9,695	-263	-2.6%
34.6%	9,575	9,047	-528	-5.5%
35.8%	9,470	8,046	-1,424	-15.0%
37.0%	9,222	7,466	-1,757	-19.0%
38.3%	8,940	7,459	-1,481	-16.6%
39.5%	8,934	7,358	-1,576	-17.6%
40.7%	8,306	7,351	-955	-11.5%
42.0%	7,604	7,132	-472	-6.2%
43.2%	7,217	6,997	-219	-3.0%
44.4%	7,183	6,775	-408	-5.7%
45.7%	7,143	6,735	-409	-5.7%
46.9%	7,113	6,711	-402	-5.6%
48.1%	7,057	6,591	-466	-6.6%
49.4%	6,913	6,490	-423	-6.1%
50.6%	6,855	6,438	-416	-6.1%
51.9%	6,830	6,395	-435	-6.4%
53.1%	6,700	6,357	-343	-5.1%
54.3%	6,415	6,334	-81	-1.3%
55.6%	6,394	6,304	-90	-1.4%
56.8%	6,370	6,140	-230	-3.6%
58.0%	6,322	6,104	-219	-3.5%
59.3%	6,227	6,091	-135	-2.2%
60.5%	6,207	6,091	-116	-1.9%
61.7%	6,141	6,029	-113	-1.8%
63.0%	6,133	6,012	-121	-2.0%
64.2%	6,122	5,988	-134	-2.2%
65.4%	6,032	5,938	-94	-1.6%
66.7%	6,027	5,852	-175	-2.9%
67.9%	6,019	5,842	-176	-2.9%
69.1%	5,995	5,841	-155	-2.6%
70.4%	5,991	5,831	-160	-2.7%
71.6%	5,823	5,810	-12	-0.2%
72.8%	5,806	5,805	-1	0.0%
74.1%	5,792	5,796	4	0.1%
75.3%	5,751	5,787	35	0.6%
76.5%	5,736	5,785	48	0.8%
77.8%	5,708	5,761	53	0.9%
79.0%	5,636	5,752	116	2.1%
80.2%	5,514	5,706	192	3.5%
81.5%	5,510	5,675	165	3.0%
82.7%	5,427	5,648	221	4.1%
84.0%	5,345	5,571	226	4.2%
85.2%	5,238	5,514	276	5.3%
86.4%	5,214	5,420	206	4.0%
87.7%	5,176	5,417	241	4.7%
88.9%	5,048	5,410	362	7.2%
90.1%	4,943	5,402	459	9.3%
91.4%	4,868	5,315	447	9.2%
92.6%	4,634	5,216	582	12.6%
93.8%	4,577	5,108	531	11.6%
95.1%	4,529	4,947	418	9.2%
96.3%	4,509	4,718	209	4.6%
97.5%	4,373	4,519	146	3.3%
98.8%	4,353	4,501	147	3.4%
100.0%	4,127	4,404	276	6.7%

Table SW-12-9a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	6,995	8,593	11,639	14,426	17,333	13,410	10,199	9,309	10,455	12,440	9,776	8,122
Difference	-13	-26	114	-837	-692	-1,214	-368	-196	-588	-175	-276	-215
Percent Difference[3]	-0.2%	-0.3%	1.0%	-5.5%	-3.8%	-8.3%	-3.5%	-2.1%	-5.3%	-1.4%	-2.7%	-2.6%
	Water Year Types[2]											
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 D	8,503	10,549	12,213	26,747	29,578	24,275	15,004	11,877	11,086	12,066	10,051	12,233
Difference	393	-616	139	-962	-694	-946	-208	-48	111	-159	-255	-384
Percent Difference	4.8%	-5.5%	1.2%	-3.5%	-2.3%	-3.8%	-1.4%	-0.4%	1.0%	-1.3%	-2.5%	-3.0%
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 D	6,986	10,807	11,936	14,431	22,467	14,726	9,790	9,350	10,382	13,385	9,504	8,005
Difference	97	222	123	-1,885	-994	-1,321	-522	-91	-759	144	-452	-414
Percent Difference	1.4%	2.1%	1.0%	-11.6%	-4.2%	-8.2%	-5.1%	-1.0%	-6.8%	1.1%	-4.5%	-4.9%
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 D	6,691	7,808	13,262	8,370	11,255	7,396	8,065	8,059	9,976	12,557	9,225	5,677
Difference	366	412	216	-961	-580	-1,546	-311	-167	-858	194	-484	31
Percent Difference	5.8%	5.6%	1.7%	-10.3%	-4.9%	-17.3%	-3.7%	-2.0%	-7.9%	1.6%	-5.0%	0.6%
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 D	5,960	7,030	13,098	6,898	8,508	6,835	7,375	8,210	10,024	12,557	10,011	5,808
Difference	-703	318	333	-219	-616	-1,622	-355	-114	-1,310	-483	-421	-194
Percent Difference	-10.5%	4.7%	2.6%	-3.1%	-6.8%	-19.2%	-4.6%	-1.4%	-11.6%	-3.7%	-4.0%	-3.2%
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 D	5,647	5,403	6,014	6,085	5,992	5,437	6,921	6,810	10,368	11,992	9,745	5,652
Difference	-410	-25	-400	-298	-633	-687	-644	-775	-535	-502	315	34
Percent Difference	-6.8%	-0.5%	-6.2%	-4.7%	-9.6%	-11.2%	-8.5%	-10.2%	-4.9%	-4.0%	3.3%	0.6%

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-12-9b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

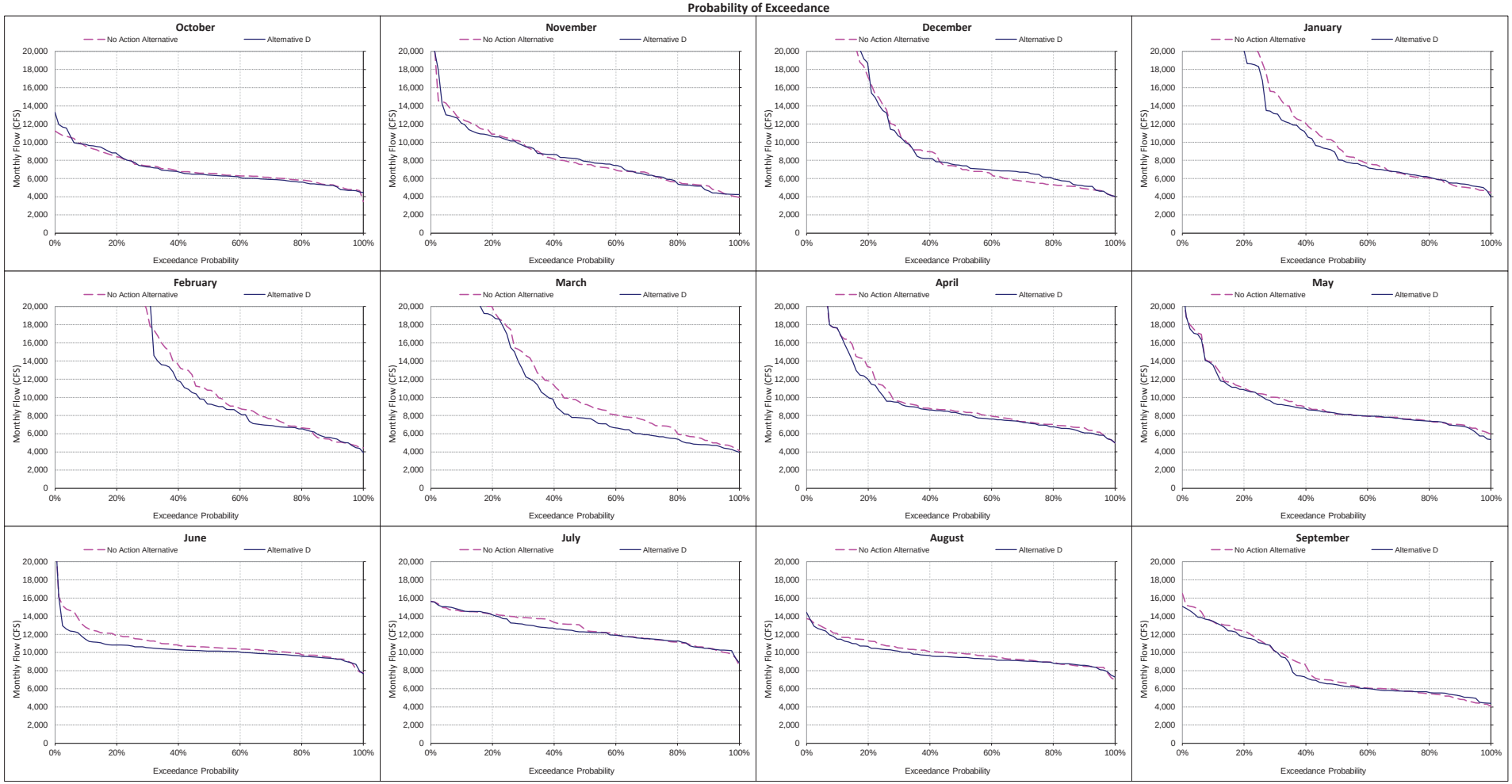

Table SW-12-9b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,234	13,303	2,068	18.4%
1.2%	10,967	11,956	988	9.0%
2.5%	10,748	11,676	928	8.6%
3.7%	10,673	11,549	876	8.2%
4.9%	10,532	10,731	200	1.9%
6.2%	10,406	9,930	-477	-4.6%
7.4%	9,911	9,867	-44	-0.4%
8.6%	9,860	9,799	-62	-0.6%
9.9%	9,573	9,771	198	2.1%
11.1%	9,412	9,632	219	2.3%
12.3%	9,271	9,618	347	3.7%
13.6%	9,162	9,518	356	3.9%
14.8%	8,923	9,462	539	6.0%
16.0%	8,855	9,249	393	4.4%
17.3%	8,703	9,018	315	3.6%
18.5%	8,581	8,826	244	2.8%
19.8%	8,400	8,824	424	5.0%
21.0%	8,335	8,488	153	1.8%
22.2%	8,165	8,211	45	0.6%
23.5%	8,026	8,021	-5	-0.1%
24.7%	7,987	7,935	-53	-0.7%
25.9%	7,578	7,767	190	2.5%
27.2%	7,566	7,443	-123	-1.6%
28.4%	7,443	7,380	-63	-0.8%
29.6%	7,403	7,293	-110	-1.5%
30.9%	7,384	7,250	-134	-1.8%
32.1%	7,369	7,173	-196	-2.7%
33.3%	7,273	7,140	-133	-1.8%
34.6%	7,103	6,936	-167	-2.4%
35.8%	7,092	6,884	-209	-2.9%
37.0%	7,075	6,833	-242	-3.4%
38.3%	6,976	6,817	-159	-2.3%
39.5%	6,881	6,780	-101	-1.5%
40.7%	6,767	6,672	-95	-1.4%
42.0%	6,759	6,554	-205	-3.0%
43.2%	6,751	6,524	-227	-3.4%
44.4%	6,678	6,487	-191	-2.9%
45.7%	6,652	6,483	-168	-2.5%
46.9%	6,602	6,467	-134	-2.0%
48.1%	6,592	6,451	-141	-2.1%
49.4%	6,578	6,407	-171	-2.6%
50.6%	6,562	6,369	-193	-2.9%
51.9%	6,551	6,337	-214	-3.3%
53.1%	6,516	6,310	-206	-3.2%
54.3%	6,432	6,295	-137	-2.1%
55.6%	6,359	6,288	-71	-1.1%
56.8%	6,352	6,266	-86	-1.4%
58.0%	6,343	6,223	-120	-1.9%
59.3%	6,312	6,206	-106	-1.7%
60.5%	6,288	6,059	-229	-3.6%
61.7%	6,284	6,029	-255	-4.1%
63.0%	6,282	6,024	-258	-4.1%
64.2%	6,263	6,019	-244	-3.9%
65.4%	6,241	5,999	-242	-3.9%
66.7%	6,186	5,964	-222	-3.6%
67.9%	6,155	5,948	-207	-3.4%
69.1%	6,137	5,901	-236	-3.8%
70.4%	6,063	5,900	-164	-2.7%
71.6%	6,059	5,878	-182	-3.0%
72.8%	6,023	5,856	-167	-2.8%
74.1%	6,003	5,841	-163	-2.7%
75.3%	5,989	5,756	-233	-3.9%
76.5%	5,904	5,707	-197	-3.3%
77.8%	5,860	5,658	-202	-3.4%
79.0%	5,845	5,607	-238	-4.1%
80.2%	5,845	5,601	-244	-4.2%
81.5%	5,778	5,511	-267	-4.6%
82.7%	5,720	5,430	-290	-5.1%
84.0%	5,602	5,422	-181	-3.2%
85.2%	5,522	5,354	-168	-3.0%
86.4%	5,387	5,325	-62	-1.1%
87.7%	5,345	5,291	-54	-1.0%
88.9%	5,327	5,255	-72	-1.4%
90.1%	5,301	5,246	-54	-1.0%
91.4%	5,150	5,084	-66	-1.3%
92.6%	5,082	4,783	-299	-5.9%
93.8%	4,907	4,746	-161	-3.3%
95.1%	4,798	4,683	-115	-2.4%
96.3%	4,790	4,679	-110	-2.3%
97.5%	4,764	4,663	-101	-2.1%
98.8%	4,673	4,524	-149	-3.2%
100.0%	3,452	4,471	1,019	29.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,392	34,740	-1,652	-4.5%
1.2%	20,440	20,112	-328	-1.6%
2.5%	14,550	17,932	3,382	23.2%
3.7%	14,481	14,205	-276	-1.9%
4.9%	14,307	13,007	-1,300	-9.1%
6.2%	13,757	12,919	-837	-6.1%
7.4%	13,366	12,778	-588	-4.4%
8.6%	12,788	12,636	-151	-1.2%
9.9%	12,591	12,123	-468	-3.7%
11.1%	12,356	11,883	-472	-3.8%
12.3%	12,239	11,394	-844	-6.9%
13.6%	11,992	11,184	-809	-6.7%
14.8%	11,841	11,019	-822	-6.9%
16.0%	11,510	10,904	-606	-5.3%
17.3%	11,403	10,888	-515	-4.5%
18.5%	11,402	10,805	-596	-5.2%
19.8%	10,888	10,680	-208	-1.9%
21.0%	10,881	10,584	-297	-2.7%
22.2%	10,744	10,573	-171	-1.6%
23.5%	10,586	10,423	-164	-1.5%
24.7%	10,483	10,276	-207	-2.0%
25.9%	10,463	10,142	-321	-3.1%
27.2%	10,187	10,140	-47	-0.5%
28.4%	10,169	9,849	-320	-3.1%
29.6%	9,987	9,688	-300	-3.0%
30.9%	9,513	9,498	-15	-0.2%
32.1%	9,294	9,467	173	1.9%
33.3%	9,132	9,302	171	1.9%
34.6%	9,057	8,767	-290	-3.2%
35.8%	8,775	8,753	-22	-0.2%
37.0%	8,363	8,673	310	3.7%
38.3%	8,321	8,667	346	4.2%
39.5%	8,211	8,644	433	5.3%
40.7%	8,076	8,617	541	6.7%
42.0%	8,013	8,310	296	3.7%
43.2%	7,979	8,309	330	4.1%
44.4%	7,877	8,259	382	4.9%
45.7%	7,770	8,236	466	6.0%
46.9%	7,750	8,221	471	6.1%
48.1%	7,558	8,120	562	7.4%
49.4%	7,550	7,938	387	5.1%
50.6%	7,545	7,882	337	4.5%
51.9%	7,535	7,832	297	3.9%
53.1%	7,354	7,700	347	4.7%
54.3%	7,284	7,691	407	5.6%
55.6%	7,231	7,640	409	5.7%
56.8%	7,198	7,608	410	5.7%
58.0%	7,109	7,590	481	6.8%
59.3%	7,026	7,460	435	6.2%
60.5%	6,867	7,424	557	8.1%
61.7%	6,820	7,283	462	6.8%
63.0%	6,787	6,949	163	2.4%
64.2%	6,781	6,809	28	0.4%
65.4%	6,770	6,798	28	0.4%
66.7%	6,745	6,627	-117	-1.7%
67.9%	6,728	6,581	-147	-2.2%
69.1%	6,715	6,471	-244	-3.6%
70.4%	6,580	6,379	-202	-3.1%
71.6%	6,355	6,363	7	0.1%
72.8%	6,231	6,223	-8	-0.1%
74.1%	6,101	6,213	112	1.8%
75.3%	5,887	6,131	244	4.1%
76.5%	5,806	5,919	113	1.9%
77.8%	5,668	5,904	236	4.2%
79.0%	5,632	5,768	136	2.4%
80.2%	5,627	5,368	-259	-4.6%
81.5%	5,454	5,296	-158	-2.9%
82.7%	5,412	5,287	-125	-2.3%
84.0%	5,382	5,284	-98	-1.8%
85.2%	5,372	5,207	-166	-3.1%
86.4%	5,302	5,174	-128	-2.4%
87.7%	5,290	5,164	-126	-2.4%
88.9%	5,237	4,771	-466	-8.9%
90.1%	5,165	4,645	-520	-10.1%
91.4%	4,789	4,422	-367	-7.7%
92.6%	4,735	4,412	-323	-6.8%
93.8%	4,569	4,348	-221	-4.8%
95.1%	4,363	4,308	-55	-1.3%
96.3%	4,241	4,280	38	0.9%
97.5%	4,111	4,265	154	3.7%
98.8%	4,018	4,258	239	6.0%
100.0%	3,921	4,238	317	8.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,097	43,098	1	0.0%
1.2%	41,516	40,508	-1,008	-2.4%
2.5%	35,067	33,913	-1,154	-3.3%
3.7%	34,216	33,319	-897	-2.6%
4.9%	33,579	32,927	-652	-1.9%
6.2%	31,369	31,416	47	0.2%
7.4%	29,999	28,466	-1,534	-5.1%
8.6%	29,836	27,534	-2,302	-7.7%
9.9%	25,158	26,542	1,384	5.5%
11.1%	23,886	23,806	-80	-0.3%
12.3%	22,411	21,838	-574	-2.6%
13.6%	21,681	21,776	95	0.4%
14.8%	21,471	21,466	-4	0.0%
16.0%	20,363	21,004	641	3.1%
17.3%	18,832	20,180	1,347	7.2%
18.5%	18,360	19,184	824	4.5%
19.8%	17,352	18,734	1,382	8.0%
21.0%	16,368	15,404	-965	-5.9%
22.2%	15,339	14,906	-434	-2.8%
23.5%	14,905	14,073	-832	-5.6%
24.7%	14,163	13,473	-690	-4.9%
25.9%	13,589	13,221	-367	-2.7%
27.2%	12,050	11,411	-639	-5.3%
28.4%	11,913	11,296	-617	-5.2%
29.6%	11,594	10,728	-865	-7.5%
30.9%	10,337	10,429	92	0.9%
32.1%	10,161	9,927	-234	-2.3%
33.3%	9,694	9,783	89	0.9%
34.6%	9,158	9,167	9	0.1%
35.8%	9,152	8,461	-691	-7.5%
37.0%	9,145	8,260	-885	-9.7%
38.3%	8,968	8,221	-747	-8.3%
39.5%	8,966	8,197	-769	-8.6%
40.7%	8,923	8,169	-754	-8.4%
42.0%	8,719	7,847	-872	-10.0%
43.2%	7,848	7,844	-4	-0.1%
44.4%	7,474	7,778	304	4.1%
45.7%	7,418	7,743	325	4.4%
46.9%	7,413	7,608	195	2.6%
48.1%	7,382	7,504	122	1.7%
49.4%	7,271	7,494	222	3.1%
50.6%	6,970	7,395	425	6.1%
51.9%	6,966	7,389	424	6.1%
53.1%	6,815	7,108	294	4.3%
54.3%	6,797	7,106	310	4.6%
55.6%	6,787	7,066	280	4.1%
56.8%	6,778	7,062	284	4.2%
58.0%	6,705	6,984	279	4.2%
59.3%	6,610	6,976	366	5.5%
60.5%	6,284	6,902	618	9.8%
61.7%	6,248	6,884	636	10.2%
63.0%	6,163	6,855	692	11.2%
64.2%	6,003	6,849	847	14.1%
65.4%	5,962	6,844	882	14.8%
66.7%	5,853	6,820	968	16.5%
67.9%	5,818	6,796	978	16.8%
69.1%	5,737	6,714	977	17.0%
70.4%	5,709	6,693	985	17.3%
71.6%	5,681	6,668	987	17.4%
72.8%	5,573	6,529	956	17.2%
74.1%	5,539	6,473	934	16.9%
75.3%	5,475	6,451	976	17.8%
76.5%	5,468	6,162	694	12.7%
77.8%	5,369	6,154	786	14.6%
79.0%	5,351	6,134	783	14.6%
80.2%	5,314	5,959	644	12.1%
81.5%	5,250	5,860	610	11.6%
82.7%	5,245	5,758	513	9.8%
84.0%	5,163	5,712	548	10.6%
85.2%	5,162	5,663	501	9.7%
86.4%	5,136	5,349	213	4.2%
87.7%	5,126	5,269	144	2.8%
88.9%	4,935	5,251	317	6.4%
90.1%	4,894	5,162	268	5.5%
91.4%	4,821	5,143	322	6.7%
92.6%	4,778	5,142	364	7.6%
93.8%	4,718	4,718	0	0.0%
95.1%	4,677	4,607	-69	-1.5%
96.3%	4,608	4,606	-1	0.0%
97.5%	4,306	4,307	1	0.0%
98.8%	4,147	4,145	-2	0.0%
100.0%	3,977	4,047	70	1.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,092	76,606	-1,486	-1.9%
1.2%	57,390	57,393	3	0.0%
2.5%	52,217	50,105	-2,112	-4.0%
3.7%	51,046	48,911	-2,135	-4.2%
4.9%	43,122	43,816	694	1.6%
6.2%	41,929	39,304	-2,626	-6.3%
7.4%	40,889	38,759	-2,130	-5.2%
8.6%	35,251	38,176	2,925	8.3%
9.9%	32,236	30,869	-1,367	-4.2%
11.1%	30,871	30,116	-755	-2.4%
12.3%	27,604	25,870	-1,734	-6.3%
13.6%	27,045	24,876	-2,169	-8.0%
14.8%	27,041	24,766	-2,276	-8.4%
16.0%	26,882	24,412	-2,470	-9.2%
17.3%	26,112	22,947	-3,164	-12.1%
18.5%	23,617	21,482	-2,135	-9.0%
19.8%	22,945	20,370	-2,575	-11.2%
21.0%	21,167	18,660	-2,507	-11.8%
22.2%	20,626	18,630	-1,996	-9.7%
23.5%	20,445	18,507	-1,939	-9.5%
24.7%	19,839	18,307	-1,532	-7.7%
25.9%	18,772	16,782	-1,990	-10.6%
27.2%	17,647	13,476	-4,171	-23.6%
28.4%	15,596	13,439	-2,157	-13.8%
29.6%	15,562	13,153	-2,409	-15.5%
30.9%	15,203	13,086	-2,117	-13.9%
32.1%	14,569	12,457	-2,112	-14.5%
33.3%	14,023	12,265	-1,758	-12.5%
34.6%	13,976	12,112	-1,864	-13.3%
35.8%	12,934	11,893	-1,042	-8.1%
37.0%	12,561	11,854	-708	-5.6%
38.3%	12,405	11,425	-980	-7.9%
39.5%	12,265	11,202	-1,063	-8.7%
40.7%	11,742	10,556	-1,186	-10.1%
42.0%	11,388	10,381	-1,007	-8.8%
43.2%	11,201	9,625	-1,575	-14.1%
44.4%	10,740	9,551	-1,189	-11.1%
45.7%	10,472	9,356	-1,117	-10.7%
46.9%	10,301	9,261	-1,039	-10.1%
48.1%	10,270	9,154	-1,116	-10.9%
49.4%	10,000	8,919	-1,082	-10.8%
50.6%	9,337	8,053	-1,285	-13.8%
51.9%	9,033	8,025	-1,008	-11.2%
53.1%	8,455	7,822	-633	-7.5%
54.3%	8,378	7,744	-634	-7.6%
55.6%	8,361	7,663	-698	-8.3%
56.8%	8,043	7,647	-396	-4.9%
58.0%	7,922	7,460	-462	-5.8%
59.3%	7,744	7,395	-350	-4.5%
60.5%	7,620	7,160	-460	-6.0%
61.7%	7,540	7,105	-435	-5.8%
63.0%	7,508	7,016	-492	-6.6%
64.2%	7,308	6,998	-310	-4.2%
65.4%	7,220	6,927	-293	-4.1%
66.7%	6,860	6,859	-2	0.0%
67.9%	6,766	6,779	13	0.2%
69.1%	6,650	6,758	108	1.6%
70.4%	6,619	6,711	92	1.4%
71.6%	6,530	6,587	57	0.9%
72.8%	6,314	6,531	217	3.4%
74.1%	6,244	6,423	179	2.9%
75.3%	6,172	6,398	226	3.7%
76.5%	6,154	6,301	147	2.4%
77.8%	6,107	6,227	120	2.0%
79.0%	6,074	6,216	142	2.3%
80.2%	6,033	6,102	69	1.1%
81.5%	6,001	6,001	0	0.0%
82.7%	5,888	5,882	-5	-0.1%
84.0%	5,885	5,842	-42	-0.7%
85.2%	5,483	5,801	318	5.8%
86.4%	5,464	5,536	72	1.3%
87.7%	5,282	5,515	233	4.4%
88.9%	5,128	5,500	372	7.3%
90.1%	5,079	5,411	332	6.5%
91.4%	5,040	5,389	349	6.9%
92.6%	4,997	5,333	336	6.7%
93.8%	4,941	5,188	247	5.0%
95.1%	4,886	5,126	241	4.9%
96.3%	4,727	5,078	351	7.4%
97.5%	4,692	4,993	301	6.4%
98.8%	4,608	4,637	28	0.6%
100.0%	4,463	3,970	-493	-11.0%

Table SW-12-9b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	73,997	-350	-0.5%
1.2%	63,776	66,551	2,775	4.4%
2.5%	63,339	63,787	448	0.7%
3.7%	55,701	55,699	-2	0.0%
4.9%	48,307	47,903	-405	-0.8%
6.2%	47,665	47,703	37	0.1%
7.4%	46,014	45,078	-936	-2.0%
8.6%	44,215	43,523	-692	-1.6%
9.9%	43,520	42,363	-1,157	-2.7%
11.1%	42,318	42,138	-180	-0.4%
12.3%	39,842	41,259	1,417	3.6%
13.6%	39,837	37,725	-2,112	-5.3%
14.8%	38,278	36,173	-2,105	-5.5%
16.0%	33,017	32,938	-80	-0.2%
17.3%	32,937	31,873	-1,063	-3.2%
18.5%	31,197	29,077	-2,119	-6.8%
19.8%	30,223	28,833	-1,390	-4.6%
21.0%	28,064	25,942	-2,121	-7.6%
22.2%	27,321	25,197	-2,124	-7.8%
23.5%	24,548	23,753	-795	-3.2%
24.7%	24,343	22,221	-2,123	-8.7%
25.9%	23,544	21,688	-1,857	-7.9%
27.2%	20,903	21,422	518	2.5%
28.4%	20,834	20,835	1	0.0%
29.6%	19,774	20,691	917	4.6%
30.9%	17,823	20,571	2,748	15.4%
32.1%	17,423	14,611	-2,813	-16.1%
33.3%	16,767	14,003	-2,764	-16.5%
34.6%	15,985	13,598	-2,387	-14.9%
35.8%	15,464	13,531	-1,933	-12.5%
37.0%	15,145	13,344	-1,801	-11.9%
38.3%	14,009	12,824	-1,185	-8.5%
39.5%	13,805	11,927	-1,878	-13.6%
40.7%	13,192	11,686	-1,506	-11.4%
42.0%	13,023	11,078	-1,945	-14.9%
43.2%	12,985	10,889	-2,097	-16.1%
44.4%	12,511	10,519	-1,993	-15.9%
45.7%	11,237	10,391	-846	-7.5%
46.9%	11,170	9,827	-1,343	-12.0%
48.1%	11,117	9,799	-1,318	-11.9%
49.4%	10,802	9,260	-1,542	-14.3%
50.6%	10,784	9,239	-1,545	-14.3%
51.9%	10,516	9,111	-1,406	-13.4%
53.1%	9,976	8,995	-981	-9.8%
54.3%	9,827	8,993	-834	-8.5%
55.6%	9,296	8,677	-620	-6.7%
56.8%	9,048	8,668	-379	-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	8,100	-551	-6.4%
63.0%	8,615	7,383	-1,232	-14.3%
64.2%	8,492	7,113	-1,379	-16.2%
65.4%	8,210	7,078	-1,132	-13.8%
66.7%	7,908	7,012	-896	-11.3%
67.9%	7,864	6,940	-924	-11.7%
69.1%	7,681	6,929	-752	-9.8%
70.4%	7,618	6,889	-728	-9.6%
71.6%	7,605	6,811	-795	-10.4%
72.8%	7,373	6,752	-621	-8.4%
74.1%	7,209	6,737	-471	-6.5%
75.3%	6,888	6,715	-172	-2.5%
76.5%	6,850	6,708	-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	6,523	-114	-1.7%
81.5%	6,576	6,397	-179	-2.7%
82.7%	6,545	6,289	-257	-3.9%
84.0%	5,881	6,200	319	5.4%
85.2%	5,554	5,925	371	6.7%
86.4%	5,487	5,757	270	4.9%
87.7%	5,453	5,626	172	3.2%
88.9%	5,406	5,619	214	4.0%
90.1%	5,174	5,508	334	6.4%
91.4%	5,092	5,404	313	6.1%
92.6%	5,082	5,175	93	1.8%
93.8%	4,983	5,028	45	0.9%
95.1%	4,913	4,985	72	1.5%
96.3%	4,792	4,678	-113	-2.4%
97.5%	4,678	4,466	-212	-4.5%
98.8%	4,502	4,390	-112	-2.5%
100.0%	4,447	3,903	-544	-12.2%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,635	-42	-0.1%
1.2%	69,651	67,561	-2,090	-3.0%
2.5%	53,836	52,824	-1,012	-1.9%
3.7%	50,420	50,405	-16	0.0%
4.9%	47,071	47,065	-6	0.0%
6.2%	39,950	35,611	-4,339	-10.9%
7.4%	33,325	31,179	-2,147	-6.4%
8.6%	32,127	29,984	-2,143	-6.7%
9.9%	29,614	28,254	-1,361	-4.6%
11.1%	27,030	24,884	-2,146	-7.9%
12.3%	25,386	24,672	-714	-2.8%
13.6%	23,894	23,277	-616	-2.6%
14.8%	21,569	21,563	-6	0.0%
16.0%	20,575	20,047	-528	-2.6%
17.3%	20,155	19,231	-924	-4.6%
18.5%	20,054	19,209	-845	-4.2%
19.8%	20,050	19,044	-1,006	-5.0%
21.0%	19,215	18,684	-531	-2.8%
22.2%	18,633	18,628	-5	0.0%
23.5%	18,359	17,807	-553	-3.0%
24.7%	17,814	16,989	-825	-4.6%
25.9%	17,485	15,491	-1,993	-11.4%
27.2%	15,479	15,017	-461	-3.0%
28.4%	15,310	13,949	-1,361	-8.9%
29.6%	15,023	13,179	-1,844	-12.3%
30.9%	14,594	12,251	-2,343	-16.1%
32.1%	14,371	12,044	-2,327	-16.2%
33.3%	13,660	11,782	-1,879	-13.8%
34.6%	12,704	11,361	-1,343	-10.6%
35.8%	12,401	10,585	-1,816	-14.6%
37.0%	11,893	10,277	-1,616	-13.6%
38.3%	11,794	9,943	-1,851	-15.7%
39.5%	11,488	9,829	-1,658	-14.4%
40.7%	11,038	8,896	-2,141	-19.4%
42.0%	10,674	8,576	-2,098	-19.7%
43.2%	9,951	8,178	-1,773	-17.8%
44.4%	9,918	8,149	-1,769	-17.8%
45.7%	9,794	7,803	-1,991	-20.3%
46.9%	9,771	7,789	-1,982	-20.3%
48.1%	9,525	7,763	-1,762	-18.5%
49.4%	9,242	7,738	-1,504	-16.3%
50.6%	9,204	7,669	-1,535	-16.7%
51.9%	9,025	7,641	-1,385	-15.3%
53.1%	8,802	7,402	-1,400	-15.9%
54.3%	8,741	7,130	-1,612	-18.4%
55.6%	8,631	7,090	-1,542	-17.9%
56.8%	8,564	7,079	-1,485	-17.3%
58.0%	8,174	6,777	-1,398	-17.1%
59.3%	8,127	6,684	-1,443	-17.8%
60.5%	8,026	6,622	-1,404	-17.5%
61.7%	7,927	6,526	-1,401	-17.7%
63.0%	7,870	6,448	-1,422	-18.1%
64.2%	7,805	6,447	-1,358	-17.4%
65.4%	7,774	6,115	-1,659	-21.3%
66.7%	7,752	6,011	-1,742	-22.5%
67.9%	7,615	6,005	-1,610	-21.1%
69.1%	7,512	5,889	-1,623	-21.6%
70.4%	7,258	5,884	-1,374	-18.9%
71.6%	7,136	5,802	-1,334	-18.7%
72.8%	6,904	5,750	-1,154	-16.7%
74.1%	6,870	5,671	-1,199	-17.5%
75.3%	6,853	5,667	-1,186	-17.3%
76.5%	6,836	5,566	-1,270	-18.6%
77.8%	6,731	5,493	-1,238	-18.4%
79.0%	6,474	5,483	-991	-15.3%
80.2%	5,912	5,387	-526	-8.9%
81.5%	5,892	5,137	-755	-12.8%
82.7%	5,808	4,997	-811	-14.0%
84.0%	5,690	4,974	-716	-12.6%
85.2%	5,676	4,872	-804	-14.2%
86.4%	5,573	4,832	-742	-13.3%
87.7%	5,491	4,800	-690	-12.6%
88.9%	5,260	4,790	-470	-8.9%
90.1%	5,234	4,769	-465	-8.9%
91.4%	5,004	4,720	-284	-5.7%
92.6%	5,004	4,710	-295	-5.9%
93.8%	4,837	4,567	-270	-5.6%
95.1%	4,784	4,399	-385	-8.0%
96.3%	4,741	4,363	-379	-8.0%
97.5%	4,602	4,265	-336	-7.3%
98.8%	4,393	4,114	-280	-6.4%
100.0%	4,145	3,953	-192	-4.6%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	41,371	5	0.0%
1.2%	33,800	33,802	2	0.0%
2.5%	24,788	24,790	2	0.0%
3.7%	23,656	23,655	-1	0.0%
4.9%	22,542	22,543	1	0.0%
6.2%	22,166	22,167	1	0.0%
7.4%	17,986	17,983	-2	0.0%
8.6%	17,705	17,709	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	15,824	-596	-3.6%
13.6%	16,384	14,953	-1,431	-8.7%
14.8%	15,822	14,038	-1,784	-11.3%
16.0%	14,515	12,969	-1,547	-10.7%
17.3%	14,356	12,461	-1,895	-13.2%
18.5%	14,276	12,373	-1,904	-13.3%
19.8%	13,396	12,035	-1,361	-10.2%
21.0%	13,258	11,441	-1,817	-13.7%
22.2%	12,023	11,326	-697	-5.8%
23.5%	11,442	10,697	-745	-6.5%
24.7%	11,325	10,194	-1,130	-10.0%
25.9%	10,893	9,585	-1,309	-12.0%
27.2%	10,409	9,576	-833	-8.0%
28.4%	9,609	9,497	-112	-1.2%
29.6%	9,607	9,455	-151	-1.6%
30.9%	9,478	9,183	-295	-3.1%
32.1%	9,329	9,057	-272	-2.9%
33.3%	9,304	8,979	-325	-3.5%
34.6%	9,202	8,952	-251	-2.7%
35.8%	9,120	8,895	-225	-2.5%
37.0%	8,873	8,749	-124	-1.4%
38.3%	8,818	8,693	-126	-1.4%
39.5%	8,818	8,621	-197	-2.2%
40.7%	8,720	8,595	-125	-1.4%
42.0%	8,704	8,551	-153	-1.8%
43.2%	8,665	8,546	-119	-1.4%
44.4%	8,656	8,497	-159	-1.8%
45.7%	8,615	8,488	-127	-1.5%
46.9%	8,597	8,362	-236	-2.7%
48.1%	8,492	8,335	-157	-1.8%
49.4%	8,451	8,227	-223	-2.6%
50.6%	8,450	8,123	-327	-3.9%
51.9%	8,351	8,072	-278	-3.3%
53.1%	8,335	8,049	-286	-3.4%
54.3%	8,277	7,862	-415	-5.0%
55.6%	8,261	7,743	-518	-6.3%
56.8%	8,088	7,707	-380	-4.7%
58.0%	8,051	7,681	-370	-4.6%
59.3%	8,015	7,628	-386	-4.8%
60.5%	7,897	7,610	-288	-3.6%
61.7%	7,864	7,538	-326	-4.1%
63.0%	7,749	7,537	-212	-2.7%
64.2%	7,743	7,473	-270	-3.5%
65.4%	7,663	7,452	-210	-2.7%
66.7%	7,582	7,418	-164	-2.2%
67.9%	7,478	7,389	-89	-1.2%
69.1%	7,346	7,346	0	0.0%
70.4%	7,334	7,223	-112	-1.5%
71.6%	7,275	7,206	-69	-0.9%
72.8%	7,270	7,124	-146	-2.0%
74.1%	7,166	7,106	-60	-0.8%
75.3%	7,105	6,954	-151	-2.1%
76.5%	7,073	6,947	-126	-1.8%
77.8%	7,044	6,935	-109	-1.6%
79.0%	7,029	6,751	-278	-4.0%
80.2%	7,023	6,748	-276	-3.9%
81.5%	6,907	6,673	-234	-3.4%
82.7%	6,896	6,602	-294	-4.3%
84.0%	6,866	6,601	-265	-3.9%
85.2%	6,805	6,568	-237	-3.5%
86.4%	6,736	6,474	-261	-3.9%
87.7%	6,710	6,374	-336	-5.0%
88.9%	6,689	6,203	-486	-7.3%
90.1%	6,633	6,088	-545	-8.2%
91.4%	6,392	6,081	-311	-4.9%
92.6%	6,358	6,056	-302	-4.7%
93.8%	6,198	5,921	-277	-4.5%
95.1%	6,162	5,833	-329	-5.3%
96.3%	5,820	5,831	11	0.2%
97.5%	5,479	5,436	-43	-0.8%
98.8%	5,336	5,340	4	0.1%
100.0%	4,994	4,992	-1	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,541	22,543	2	0.0%
1.2%	18,878	18,881	2	0.0%
2.5%	18,005	17,548	-457	-2.5%
3.7%	17,546	17,072	-473	-2.7%
4.9%	17,072	16,960	-112	-0.7%
6.2%	16,959	16,333	-626	-3.7%
7.4%	14,152	14,080	-72	-0.5%
8.6%	13,944	13,872	-72	-0.5%
9.9%	13,824	13,573	-251	-1.8%
11.1%	13,268	12,684	-584	-4.4%
12.3%	12,683	11,801	-881	-6.9%
13.6%	11,801	11,694	-107	-0.9%
14.8%	11,693	11,362	-331	-2.8%
16.0%	11,679	11,112	-567	-4.9%
17.3%	11,364	11,100	-263	-2.3%
18.5%	11,220	10,886	-334	-3.0%
19.8%	11,070	10,852	-218	-2.0%
21.0%	10,851	10,713	-138	-1.3%
22.2%	10,668	10,598	-71	-0.7%
23.5%	10,569	10,596	28	0.3%
24.7%	10,425	10,287	-138	-1.3%
25.9%	10,393	10,059	-334	-3.2%
27.2%	10,288	9,767	-521	-5.1%
28.4%	10,032	9,646	-386	-3.8%
29.6%	10,024	9,341	-683	-6.8%
30.9%	9,985	9,224	-761	-7.6%
32.1%	9,857	9,221	-636	-6.4%
33.3%	9,712	9,128	-584	-6.0%
34.6%	9,558	9,067	-491	-5.1%
35.8%	9,533	8,987	-546	-5.7%
37.0%	9,110	8,870	-240	-2.6%
38.3%	9,107	8,833	-274	-3.0%
39.5%	8,980	8,828	-152	-1.7%
40.7%	8,870	8,615	-255	-2.9%
42.0%	8,690	8,612	-78	-0.9%
43.2%	8,685	8,577	-108	-1.2%
44.4%	8,639	8,519	-120	-1.4%
45.7%	8,623	8,415	-208	-2.4%
46.9%	8,385	8,413	28	0.3%
48.1%	8,314	8,338	23	0.3%
49.4%	8,186	8,280	93	1.1%
50.6%	8,182	8,173	-9	-0.1%
51.9%	8,136	8,166	31	0.4%
53.1%	8,132	8,134	2	0.0%
54.3%	8,121	8,122	1	0.0%
55.6%	8,025	8,018	-7	-0.1%
56.8%	7,986	8,010	24	0.3%
58.0%	7,945	7,995	49	0.6%
59.3%	7,945	7,951	6	0.1%
60.5%	7,938	7,924	-13	-0.2%
61.7%	7,932	7,923	-9	-0.1%
63.0%	7,846	7,923	77	1.0%
64.2%	7,843	7,899	56	0.7%
65.4%	7,821	7,832	11	0.1%
66.7%	7,818	7,831	13	0.2%
67.9%	7,808	7,792	-16	-0.2%
69.1%	7,807	7,709	-98	-1.3%
70.4%	7,784	7,705	-78	-1.0%
71.6%	7,646	7,585	-61	-0.8%
72.8%	7,616	7,569	-47	-0.6%
74.1%	7,608	7,546	-63	-0.8%
75.3%	7,599	7,472	-127	-1.7%
76.5%	7,554	7,442	-112	-1.5%
77.8%	7,519	7,434	-85	-1.1%
79.0%	7,440	7,419	-21	-0.3%
80.2%	7,400	7,383	-17	-0.2%
81.5%	7,298	7,346	48	0.7%
82.7%	7,273	7,342	69	1.0%
84.0%	7,257	7,277	20	0.3%
85.2%	7,136	7,192	56	0.8%
86.4%	7,059	6,961	-98	-1.4%
87.7%	7,042	6,919	-123	-1.7%
88.9%	7,038	6,901	-137	-1.9%
90.1%	6,996	6,854	-141	-2.0%
91.4%	6,950	6,781	-168	-2.4%
92.6%	6,773	6,673	-100	-1.5%
93.8%	6,624	6,419	-206	-3.1%
95.1%	6,607	6,149	-458	-6.9%
96.3%	6,340	5,751	-589	-9.3%
97.5%	6,267	5,744	-522	-8.3%
98.8%	6,148	5,430	-718	-11.7%
100.0%	5,942	5,358	-585	-9.8%

Table SW-12-9b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	23,932	2	0.0%
1.2%	16,154	16,154	0	0.0%
2.5%	15,144	12,934	-2,210	-14.6%
3.7%	14,772	12,589	-2,182	-14.8%
4.9%	14,616	12,348	-2,269	-15.5%
6.2%	14,495	12,295	-2,200	-15.2%
7.4%	13,808	12,177	-1,630	-11.8%
8.6%	13,165	11,810	-1,355	-10.3%
9.9%	12,789	11,451	-1,338	-10.5%
11.1%	12,580	11,222	-1,357	-10.8%
12.3%	12,448	11,170	-1,278	-10.3%
13.6%	12,358	11,126	-1,232	-10.0%
14.8%	12,189	11,079	-1,110	-9.1%
16.0%	12,138	10,939	-1,199	-9.9%
17.3%	12,123	10,860	-1,263	-10.4%
18.5%	12,108	10,828	-1,280	-10.6%
19.8%	11,882	10,824	-1,059	-8.9%
21.0%	11,863	10,823	-1,040	-8.8%
22.2%	11,727	10,816	-911	-7.8%
23.5%	11,724	10,795	-929	-7.9%
24.7%	11,706	10,747	-960	-8.2%
25.9%	11,527	10,632	-895	-7.8%
27.2%	11,492	10,623	-869	-7.6%
28.4%	11,421	10,613	-808	-7.1%
29.6%	11,345	10,530	-815	-7.2%
30.9%	11,274	10,500	-775	-6.9%
32.1%	11,267	10,464	-804	-7.1%
33.3%	11,137	10,463	-674	-6.1%
34.6%	10,988	10,405	-583	-5.3%
35.8%	10,963	10,384	-579	-5.3%
37.0%	10,951	10,349	-602	-5.5%
38.3%	10,854	10,317	-537	-4.9%
39.5%	10,833	10,316	-518	-4.8%
40.7%	10,739	10,293	-446	-4.2%
42.0%	10,706	10,286	-420	-3.9%
43.2%	10,689	10,225	-464	-4.3%
44.4%	10,683	10,212	-472	-4.4%
45.7%	10,658	10,198	-460	-4.3%
46.9%	10,622	10,195	-426	-4.0%
48.1%	10,620	10,170	-450	-4.2%
49.4%	10,589	10,158	-430	-4.1%
50.6%	10,551	10,156	-395	-3.7%
51.9%	10,528	10,147	-381	-3.6%
53.1%	10,521	10,142	-379	-3.6%
54.3%	10,476	10,133	-343	-3.3%
55.6%	10,468	10,130	-338	-3.2%
56.8%	10,465	10,123	-342	-3.3%
58.0%	10,423	10,098	-324	-3.1%
59.3%	10,383	10,095	-288	-2.8%
60.5%	10,365	10,019	-347	-3.3%
61.7%	10,356	9,991	-365	-3.5%
63.0%	10,337	9,944	-392	-3.8%
64.2%	10,306	9,942	-364	-3.5%
65.4%	10,302	9,889	-413	-4.0%
66.7%	10,257	9,873	-384	-3.7%
67.9%	10,225	9,859	-365	-3.6%
69.1%	10,211	9,837	-374	-3.7%
70.4%	10,208	9,816	-392	-3.8%
71.6%	10,107	9,804	-303	-3.0%
72.8%	10,098	9,786	-312	-3.1%
74.1%	10,074	9,753	-320	-3.2%
75.3%	10,022	9,747	-275	-2.7%
76.5%	9,967	9,666	-301	-3.0%
77.8%	9,918	9,663	-255	-2.6%
79.0%	9,906	9,658	-248	-2.5%
80.2%	9,727	9,575	-151	-1.6%
81.5%	9,714	9,556	-158	-1.6%
82.7%	9,706	9,548	-158	-1.6%
84.0%	9,686	9,516	-170	-1.8%
85.2%	9,676	9,483	-193	-2.0%
86.4%	9,600	9,418	-182	-1.9%
87.7%	9,535	9,406	-130	-1.4%
88.9%	9,466	9,367	-99	-1.0%
90.1%	9,436	9,347	-89	-0.9%
91.4%	9,292	9,264	-28	-0.3%
92.6%	9,290	9,243	-47	-0.5%
93.8%	9,252	9,049	-203	-2.2%
95.1%	9,035	8,956	-79	-0.9%
96.3%	8,803	8,841	38	0.4%
97.5%	8,189	8,688	499	6.1%
98.8%	7,856	7,932	76	1.0%
100.0%	7,758	7,624	-135	-1.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	15,626	1	0.0%
1.2%	15,557	15,538	-20	-0.1%
2.5%	15,348	15,218	-130	-0.8%
3.7%	14,954	15,034	81	0.5%
4.9%	14,936	15,031	94	0.6%
6.2%	14,714	14,974	260	1.8%
7.4%	14,702	14,924	222	1.5%
8.6%	14,648	14,790	142	1.0%
9.9%	14,539	14,662	122	0.8%
11.1%	14,526	14,545	20	0.1%
12.3%	14,506	14,518	12	0.1%
13.6%	14,506	14,514	9	0.1%
14.8%	14,474	14,511	37	0.3%
16.0%	14,418	14,499	81	0.6%
17.3%	14,353	14,406	53	0.4%
18.5%	14,269	14,343	74	0.5%
19.8%	14,241	14,164	-77	-0.5%
21.0%	14,212	14,031	-181	-1.3%
22.2%	14,103	13,929	-174	-1.2%
23.5%	14,091	13,725	-367	-2.6%
24.7%	14,027	13,692	-335	-2.4%
25.9%	13,984	13,264	-720	-5.1%
27.2%	13,943	13,233	-709	-5.1%
28.4%	13,836	13,174	-663	-4.8%
29.6%	13,827	13,133	-693	-5.0%
30.9%	13,821	13,029	-792	-5.7%
32.1%	13,816	12,992	-824	-6.0%
33.3%	13,768	12,945	-823	-6.0%
34.6%	13,720	12,838	-882	-6.4%
35.8%	13,719	12,788	-932	-6.8%
37.0%	13,700	12,744	-957	-7.0%
38.3%	13,616	12,695	-922	-6.8%
39.5%	13,374	12,682	-692	-5.2%
40.7%	13,258	12,588	-669	-5.0%
42.0%	13,150	12,579	-571	-4.3%
43.2%	13,142	12,496	-646	-4.9%
44.4%	13,107	12,466	-641	-4.9%
45.7%	13,102	12,455	-647	-4.9%
46.9%	13,086	12,330	-755	-5.8%
48.1%	13,049	12,268	-780	-6.0%
49.4%	12,710	12,263	-447	-3.5%
50.6%	12,386	12,258	-128	-1.0%
51.9%	12,318	12,212	-105	-0.9%
53.1%	12,304	12,199	-104	-0.8%
54.3%	12,281	12,194	-87	-0.7%
55.6%	12,211	12,191	-20	-0.2%
56.8%	12,175	12,180	5	0.0%
58.0%	12,166	11,933	-233	-1.9%
59.3%	12,089	11,903	-186	-1.5%
60.5%	11,896	11,879	-18	-0.1%
61.7%	11,799	11,847	48	0.4%
63.0%	11,748	11,747	-1	0.0%
64.2%	11,746	11,726	-19	-0.2%
65.4%	11,737	11,692	-44	-0.4%
66.7%	11,668	11,593	-75	-0.6%
67.9%	11,643	11,574	-69	-0.6%
69.1%	11,544	11,520	-25	-0.2%
70.4%	11,529	11,515	-14	-0.1%
71.6%	11,423	11,495	72	0.6%
72.8%	11,402	11,450	48	0.4%
74.1%	11,368	11,401	33	0.3%
75.3%	11,354	11,379	25	0.2%
76.5%	11,271	11,291	20	0.2%
77.8%	11,187	11,271	84	0.8%
79.0%	11,156	11,270	113	1.0%
80.2%	11,151	11,267	116	1.0%
81.5%	11,027	11,127	101	0.9%
82.7%	11,025	11,032	7	0.1%
84.0%	10,872	10,732	-140	-1.3%
85.2%	10,750	10,619	-130	-1.2%
86.4%	10,629	10,569	-60	-0.6%
87.7%	10,629	10,530	-99	-0.9%
88.9%	10,553	10,459	-94	-0.9%
90.1%	10,445	10,452	7	0.1%
91.4%	10,420	10,339	-81	-0.8%
92.6%	10,218	10,316	97	1.0%
93.8%	10,127	10,274	147	1.5%
95.1%	10,017	10,259	241	2.4%
96.3%	9,960	10,238	277	2.8%
97.5%	9,778	10,220	442	4.5%
98.8%	9,423	9,396	-27	-0.3%
100.0%	8,541	8,867	326	3.8%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	14,414	679	4.9%
1.2%	13,621	13,623	1	0.0%
2.5%	13,216	12,875	-341	-2.6%
3.7%	13,085	12,637	-448	-3.4%
4.9%	12,860	12,487	-372	-2.9%
6.2%	12,633	12,355	-278	-2.2%
7.4%	12,489	11,944	-545	-4.4%
8.6%	12,160	11,770	-389	-3.2%
9.9%	12,104	11,458	-646	-5.3%
11.1%	11,691	11,453	-238	-2.0%
12.3%	11,657	11,248	-409	-3.5%
13.6%	11,645	11,168	-477	-4.1%
14.8%	11,503	10,999	-504	-4.4%
16.0%	11,473	10,963	-510	-4.4%
17.3%	11,451	10,715	-736	-6.4%
18.5%	11,436	10,710	-726	-6.3%
19.8%	11,301	10,695	-606	-5.4%
21.0%	11,235	10,469	-766	-6.8%
22.2%	11,211	10,459	-752	-6.7%
23.5%	10,863	10,405	-459	-4.2%
24.7%	10,839	10,343	-495	-4.6%
25.9%	10,741	10,319	-421	-3.9%
27.2%	10,694	10,303	-390	-3.7%
28.4%	10,689	10,202	-487	-4.6%
29.6%	10,513	10,141	-372	-3.5%
30.9%	10,472	10,049	-423	-4.0%
32.1%	10,458	10,020	-438	-4.2%
33.3%	10,335	10,007	-328	-3.2%
34.6%	10,327	9,828	-499	-4.8%
35.8%	10,284	9,824	-460	-4.5%
37.0%	10,246	9,727	-519	-5.1%
38.3%	10,244	9,704	-540	-5.3%
39.5%	10,126	9,673	-453	-4.5%
40.7%	10,104	9,599	-505	-5.0%
42.0%	10,063	9,566	-497	-4.9%
43.2%	10,027	9,561	-466	-4.7%
44.4%	9,990	9,558	-432	-4.3%
45.7%	9,990	9,537	-453	-4.5%
46.9%	9,974	9,505	-469	-4.7%
48.1%	9,933	9,479	-455	-4.6%
49.4%	9,930	9,452	-479	-4.8%
50.6%	9,886	9,443	-443	-4.5%
51.9%	9,836	9,438	-397	-4.0%
53.1%	9,825	9,408	-417	-4.2%
54.3%	9,795	9,349	-446	-4.5%
55.6%	9,662	9,342	-319	-3.3%
56.8%	9,633	9,301	-332	-3.4%
58.0%	9,608	9,278	-330	-3.4%
59.3%	9,599	9,271	-327	-3.4%
60.5%	9,593	9,245	-349	-3.6%
61.7%	9,509	9,148	-361	-3.8%
63.0%	9,439	9,147	-291	-3.1%
64.2%	9,321	9,137	-184	-2.0%
65.4%	9,277	9,134	-143	-1.5%
66.7%	9,268	9,113	-155	-1.7%
67.9%	9,250	9,107	-143	-1.5%
69.1%	9,209	9,092	-117	-1.3%
70.4%	9,199	9,071	-128	-1.4%
71.6%	9,192	9,045	-147	-1.6%
72.8%	9,125	9,035	-90	-1.0%
74.1%	9,076	9,009	-68	-0.7%
75.3%	8,983	8,987	4	0.0%
76.5%	8,946	8,956	10	0.1%
77.8%	8,945	8,941	-4	0.0%
79.0%	8,929	8,916	-13	-0.1%
80.2%	8,927	8,813	-113	-1.3%
81.5%	8,772	8,760	-11	-0.1%
82.7%	8,699	8,751	52	0.6%
84.0%	8,682	8,750	67	0.8%
85.2%	8,666	8,746	81	0.9%
86.4%	8,584	8,705	121	1.4%
87.7%	8,531	8,646	115	1.3%
88.9%	8,514	8,591	77	0.9%
90.1%	8,480	8,588	108	1.3%
91.4%	8,470	8,540	70	0.8%
92.6%	8,459	8,413	-47	-0.6%
93.8%	8,389	8,363	-27	-0.3%
95.1%	8,368	8,107	-260	-3.1%
96.3%	8,350	8,041	-309	-3.7%
97.5%	7,769	7,899	129	1.7%
98.8%	7,219	7,487	268	3.7%
100.0%	6,951	7,298	347	5.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,501	15,067	-1,434	-8.7%
1.2%	15,191	14,840	-351	-2.3%
2.5%	15,100	14,580	-519	-3.4%
3.7%	15,001	14,289	-712	-4.7%
4.9%	14,843	13,898	-945	-6.4%
6.2%	14,483	13,848	-635	-4.4%
7.4%	13,768	13,683	-85	-0.6%
8.6%	13,614	13,600	-14	-0.1%
9.9%	13,409	13,453	44	0.3%
11.1%	13,161	13,219	58	0.4%
12.3%	13,158	13,025	-133	-1.0%
13.6%	13,024	12,781	-243	-1.9%
14.8%	12,997	12,383	-614	-4.7%
16.0%	12,918	12,353	-565	-4.4%
17.3%	12,506	12,251	-254	-2.0%
18.5%	12,468	11,852	-616	-4.9%
19.8%	12,352	11,721	-632	-5.1%
21.0%	12,237	11,589	-648	-5.3%
22.2%	11,964	11,515	-449	-3.8%
23.5%	11,717	11,371	-345	-2.9%
24.7%	11,442	11,066	-376	-3.3%
25.9%	11,169	11,013	-155	-1.4%
27.2%	10,910	10,877	-33	-0.3%
28.4%	10,709	10,802	94	0.9%
29.6%	10,201	10,229	28	0.3%
30.9%	9,965	9,945	-19	-0.2%
32.1%	9,957	9,515	-442	-4.4%
33.3%	9,698	9,431	-267	-2.8%
34.6%	9,363	8,885	-478	-5.1%
35.8%	9,157	7,790	-1,367	-14.9%
37.0%	8,974	7,447	-1,527	-17.0%
38.3%	8,806	7,414	-1,391	-15.8%
39.5%	8,803	7,338	-1,465	-16.6%
40.7%	8,082	7,110	-972	-12.0%
42.0%	7,392	6,951	-441	-6.0%
43.2%	7,113	6,936	-177	-2.5%
44.4%	7,033	6,709	-324	-4.6%
45.7%	7,023	6,643	-381	-5.4%
46.9%	6,989	6,558	-430	-6.2%
48.1%	6,953	6,554	-400	-5.7%
49.4%	6,830	6,475	-356	-5.2%
50.6%	6,733	6,424	-309	-4.6%
51.9%	6,683	6,323	-360	-5.4%
53.1%	6,630	6,226	-404	-6.1%
54.3%	6,378	6,198	-180	-2.8%
55.6%	6,348	6,198	-151	-2.4%
56.8%	6,219	6,121	-98	-1.6%
58.0%	6,131	6,053	-79	-1.3%
59.3%	6,079	6,031	-48	-0.8%
60.5%	6,069	6,017	-52	-0.9%
61.7%	6,046	5,982	-64	-1.1%
63.0%	6,029	5,885	-144	-2.4%
64.2%	6,026	5,837	-189	-3.1%
65.4%	6,004	5,830	-174	-2.9%
66.7%	5,977	5,819	-158	-2.6%
67.9%	5,968	5,792	-176	-3.0%
69.1%	5,916	5,767	-149	-2.5%
70.4%	5,760	5,754	-6	-0.1%
71.6%	5,736	5,736	0	0.0%
72.8%	5,718	5,730	12	0.2%
74.1%	5,701	5,726	25	0.4%
75.3%	5,664	5,692	28	0.5%
76.5%	5,547	5,684	137	2.5%
77.8%	5,544	5,680	135	2.4%
79.0%	5,489	5,675	186	3.4%
80.2%	5,454	5,564	110	2.0%
81.5%	5,411	5,548	138	2.5%
82.7%	5,369	5,542	172	3.2%
84.0%	5,333	5,534	201	3.8%
85.2%	5,196	5,502	306	5.9%
86.4%	5,188	5,403	215	4.1%
87.7%	5,046	5,333	286	5.7%
88.9%	4,940	5,293	353	7.1%
90.1%	4,826	5,207	381	7.9%
91.4%	4,815	5,071	256	5.3%
92.6%	4,577	5,071	494	10.8%
93.8%	4,561	5,015	454	10.0%
95.1%	4,446	4,938	492	11.1%
96.3%	4,405	4,493	88	2.0%
97.5%	4,302	4,445	143	3.3%
98.8%	4,290	4,428	138	3.2%
100.0%	4,046	4,397	352	8.7%

Table SW-13-9a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	6,558	8,845	12,531	16,299	19,468	14,957	9,675	8,457	8,530	10,314	7,875	7,741
Difference	26	-6	-262	-993	-902	-1,746	-488	-199	-136	370	-166	-138
Percent Difference[3]	0.4%	-0.1%	-2.0%	-5.7%	-4.4%	-10.5%	-4.8%	-2.3%	-1.6%	3.7%	-2.1%	-1.8%
	Water Year Types[2]											
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 D	8,121	10,942	12,969	30,213	33,071	27,047	15,543	11,692	9,224	10,047	7,878	11,917
Difference	510	-525	-316	-1,139	-894	-1,232	-302	-179	254	415	-403	-270
Percent Difference	6.7%	-4.6%	-2.4%	-3.6%	-2.6%	-4.4%	-1.9%	-1.5%	2.8%	4.3%	-4.9%	-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 D	6,421	11,021	12,648	16,802	25,305	16,564	9,297	8,436	8,484	11,202	7,599	7,608
Difference	2	159	-467	-2,139	-1,281	-2,154	-904	-354	-271	739	-254	-349
Percent Difference	0.0%	1.5%	-3.6%	-11.3%	-4.8%	-11.5%	-8.9%	-4.0%	-3.1%	7.1%	-3.2%	-4.4%
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 D	6,386	8,129	14,212	9,526	12,767	8,112	7,059	6,809	7,845	10,321	7,415	5,272
Difference	437	442	-201	-1,153	-801	-2,249	-734	-229	-423	793	-165	118
Percent Difference	7.3%	5.7%	-1.4%	-10.8%	-5.9%	-21.7%	-9.4%	-3.3%	-5.1%	8.3%	-2.2%	2.3%
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 D	5,444	7,240	14,492	7,604	9,674	7,664	6,249	6,987	8,243	10,338	8,191	5,381
Difference	-651	282	93	-312	-842	-2,370	-355	154	-340	102	-153	-144
Percent Difference	-10.7%	4.0%	0.6%	-3.9%	-8.0%	-23.6%	-5.4%	2.3%	-4.0%	1.0%	-1.8%	-2.6%
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 D	5,180	5,367	6,561	6,590	6,670	6,078	5,530	5,600	8,300	9,958	8,212	5,250
Difference	-462	-2	-546	-368	-747	-932	-387	-578	-204	-189	418	69
Percent Difference	-8.2%	0.0%	-7.7%	-5.3%	-10.1%	-13.3%	-6.5%	-9.4%	-2.4%	-1.9%	5.4%	1.3%

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-13-9b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

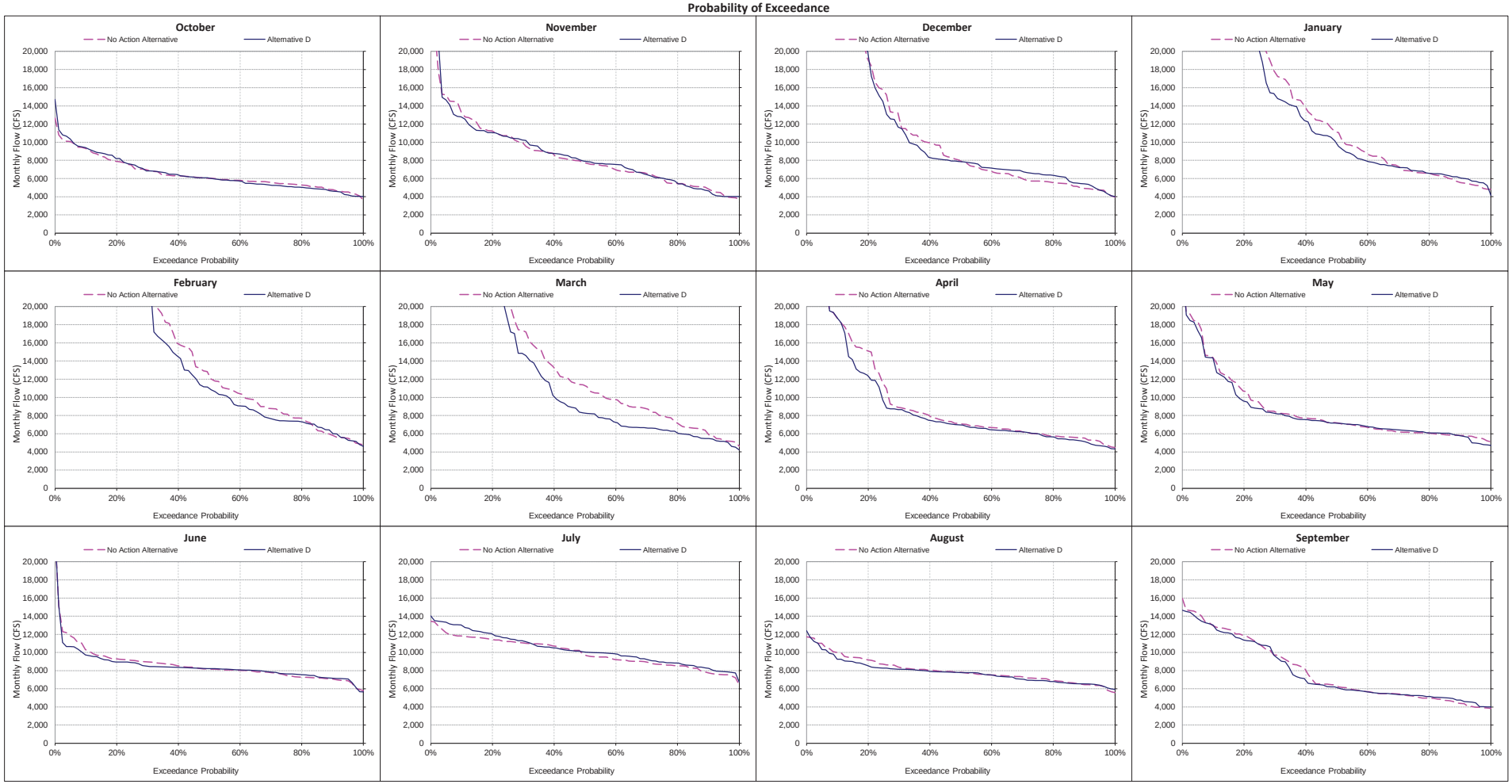

Table SW-13-9b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,650	14,719	2,068	16.4%
1.2%	10,812	11,354	542	5.0%
2.5%	10,263	10,816	553	5.4%
3.7%	10,097	10,669	572	5.7%
4.9%	10,066	10,354	288	2.9%
6.2%	9,845	9,846	2	0.0%
7.4%	9,457	9,576	119	1.3%
8.6%	9,426	9,497	72	0.8%
9.9%	9,329	9,407	78	0.8%
11.1%	9,110	9,226	117	1.3%
12.3%	8,810	9,036	226	2.6%
13.6%	8,707	8,884	177	2.0%
14.8%	8,447	8,823	377	4.5%
16.0%	8,380	8,728	348	4.1%
17.3%	8,099	8,611	512	6.3%
18.5%	8,005	8,569	563	7.0%
19.8%	7,899	8,214	315	4.0%
21.0%	7,850	8,203	353	4.5%
22.2%	7,762	7,806	45	0.6%
23.5%	7,564	7,652	88	1.2%
24.7%	7,511	7,577	66	0.9%
25.9%	7,056	7,488	431	6.1%
27.2%	7,055	7,239	184	2.6%
28.4%	7,036	7,116	79	1.1%
29.6%	6,990	6,852	-138	-2.0%
30.9%	6,851	6,850	-1	0.0%
32.1%	6,788	6,820	31	0.5%
33.3%	6,745	6,753	7	0.1%
34.6%	6,462	6,714	252	3.9%
35.8%	6,391	6,640	249	3.9%
37.0%	6,374	6,487	114	1.8%
38.3%	6,311	6,483	173	2.7%
39.5%	6,301	6,440	139	2.2%
40.7%	6,292	6,316	24	0.4%
42.0%	6,247	6,259	12	0.2%
43.2%	6,232	6,187	-45	-0.7%
44.4%	6,188	6,164	-24	-0.4%
45.7%	6,139	6,124	-14	-0.2%
46.9%	6,093	6,089	-3	-0.1%
48.1%	6,080	6,088	8	0.1%
49.4%	6,034	6,075	41	0.7%
50.6%	6,018	6,016	-3	0.0%
51.9%	5,994	5,962	-32	-0.5%
53.1%	5,901	5,892	-9	-0.2%
54.3%	5,890	5,847	-42	-0.7%
55.6%	5,882	5,826	-56	-1.0%
56.8%	5,807	5,782	-25	-0.4%
58.0%	5,796	5,781	-15	-0.3%
59.3%	5,795	5,762	-32	-0.6%
60.5%	5,772	5,696	-76	-1.3%
61.7%	5,742	5,479	-263	-4.6%
63.0%	5,687	5,465	-222	-3.9%
64.2%	5,686	5,432	-254	-4.5%
65.4%	5,670	5,387	-283	-5.0%
66.7%	5,662	5,378	-284	-5.0%
67.9%	5,659	5,359	-301	-5.3%
69.1%	5,597	5,315	-282	-5.0%
70.4%	5,542	5,263	-279	-5.0%
71.6%	5,504	5,253	-251	-4.6%
72.8%	5,455	5,220	-234	-4.3%
74.1%	5,430	5,172	-259	-4.8%
75.3%	5,413	5,119	-293	-5.4%
76.5%	5,375	5,104	-271	-5.0%
77.8%	5,346	5,065	-282	-5.3%
79.0%	5,291	5,054	-236	-4.5%
80.2%	5,277	5,033	-245	-4.6%
81.5%	5,237	4,972	-265	-5.1%
82.7%	5,138	4,946	-192	-3.7%
84.0%	5,124	4,885	-240	-4.7%
85.2%	5,055	4,860	-195	-3.9%
86.4%	5,041	4,821	-220	-4.4%
87.7%	4,880	4,806	-74	-1.5%
88.9%	4,795	4,656	-138	-2.9%
90.1%	4,767	4,622	-146	-3.1%
91.4%	4,644	4,585	-59	-1.3%
92.6%	4,613	4,538	-75	-1.6%
93.8%	4,525	4,246	-280	-6.2%
95.1%	4,514	4,195	-320	-7.1%
96.3%	4,367	4,087	-281	-6.4%
97.5%	4,264	4,062	-202	-4.7%
98.8%	4,076	4,038	-39	-0.9%
100.0%	3,617	4,014	397	11.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	39,883	36,940	-2,943	-7.4%
1.2%	22,766	22,446	-319	-1.4%
2.5%	17,745	21,204	3,459	19.5%
3.7%	15,278	14,925	-354	-2.3%
4.9%	15,209	14,653	-556	-3.7%
6.2%	14,513	14,113	-400	-2.8%
7.4%	14,497	13,080	-1,417	-9.8%
8.6%	14,412	12,856	-1,556	-10.8%
9.9%	13,310	12,797	-512	-3.8%
11.1%	12,787	12,534	-253	-2.0%
12.3%	12,699	11,951	-748	-5.9%
13.6%	12,493	11,613	-881	-7.0%
14.8%	12,206	11,302	-904	-7.4%
16.0%	11,527	11,279	-248	-2.2%
17.3%	11,482	11,274	-208	-1.8%
18.5%	11,281	11,070	-211	-1.9%
19.8%	11,253	11,057	-196	-1.7%
21.0%	11,060	11,024	-36	-0.3%
22.2%	10,839	10,867	27	0.3%
23.5%	10,719	10,674	-45	-0.4%
24.7%	10,713	10,644	-69	-0.6%
25.9%	10,674	10,462	-212	-2.0%
27.2%	10,258	10,406	147	1.4%
28.4%	10,044	10,393	349	3.5%
29.6%	10,036	10,254	219	2.2%
30.9%	9,552	10,199	647	6.8%
32.1%	9,299	9,686	387	4.2%
33.3%	9,092	9,628	536	5.9%
34.6%	9,069	9,588	520	5.7%
35.8%	9,030	9,149	119	1.3%
37.0%	8,987	8,934	-53	-0.6%
38.3%	8,840	8,802	-38	-0.4%
39.5%	8,792	8,756	-37	-0.4%
40.7%	8,307	8,748	440	5.3%
42.0%	8,254	8,674	420	5.1%
43.2%	8,201	8,574	373	4.5%
44.4%	8,112	8,511	399	4.9%
45.7%	8,060	8,284	224	2.8%
46.9%	7,975	8,271	296	3.7%
48.1%	7,958	8,080	122	1.5%
49.4%	7,777	7,938	161	2.1%
50.6%	7,675	7,882	208	2.7%
51.9%	7,578	7,830	252	3.3%
53.1%	7,548	7,678	131	1.7%
54.3%	7,510	7,661	151	2.0%
55.6%	7,421	7,647	226	3.0%
56.8%	7,402	7,590	188	2.5%
58.0%	7,259	7,587	328	4.5%
59.3%	7,050	7,569	519	7.4%
60.5%	6,893	7,534	642	9.3%
61.7%	6,811	7,504	692	10.2%
63.0%	6,800	7,197	397	5.8%
64.2%	6,706	7,055	349	5.2%
65.4%	6,692	6,984	292	4.4%
66.7%	6,673	6,707	34	0.5%
67.9%	6,666	6,688	22	0.3%
69.1%	6,647	6,494	-153	-2.3%
70.4%	6,502	6,399	-103	-1.6%
71.6%	6,424	6,242	-181	-2.8%
72.8%	6,229	6,100	-129	-2.1%
74.1%	6,075	6,087	12	0.2%
75.3%	5,938	6,020	82	1.4%
76.5%	5,531	5,917	386	7.0%
77.8%	5,481	5,857	376	6.9%
79.0%	5,472	5,758	286	5.2%
80.2%	5,452	5,430	-22	-0.4%
81.5%	5,436	5,419	-17	-0.3%
82.7%	5,301	5,193	-108	-2.0%
84.0%	5,241	5,090	-151	-2.9%
85.2%	5,146	4,903	-244	-4.7%
86.4%	5,117	4,861	-256	-5.0%
87.7%	5,098	4,849	-249	-4.9%
88.9%	5,059	4,714	-345	-6.8%
90.1%	4,833	4,624	-209	-4.3%
91.4%	4,612	4,264	-348	-7.6%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,641	48,734	92	0.2%
1.2%	47,931	46,923	-1,008	-2.1%
2.5%	38,663	38,554	-110	-0.3%
3.7%	38,506	37,016	-1,490	-3.9%
4.9%	37,913	36,759	-1,154	-3.0%
6.2%	37,864	35,084	-2,780	-7.3%
7.4%	34,005	31,602	-2,403	-7.1%
8.6%	33,136	30,263	-2,873	-8.7%
9.9%	28,160	28,696	536	1.9%
11.1%	26,314	25,368	-946	-3.6%
12.3%	25,784	23,911	-1,873	-7.3%
13.6%	24,405	23,772	-633	-2.6%
14.8%	23,956	22,765	-1,191	-5.0%
16.0%	23,915	22,289	-1,627	-6.8%
17.3%	21,577	22,218	641	3.0%
18.5%	20,868	20,253	-615	-2.9%
19.8%	19,202	20,039	838	4.4%
21.0%	18,407	17,239	-1,168	-6.3%
22.2%	16,615	15,939	-675	-4.1%
23.5%	15,998	15,143	-855	-5.3%
24.7%	15,793	14,483	-1,310	-8.3%
25.9%	15,219	13,057	-2,162	-14.2%
27.2%	13,350	12,561	-790	-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	11,487	-28	-0.2%
32.1%	11,490	10,799	-691	-6.0%
33.3%	11,054	9,951	-1,103	-10.0%
34.6%	10,790	9,788	-1,002	-9.3%
35.8%	10,789	9,665	-1,124	-10.4%
37.0%	10,255	9,174	-1,081	-10.5%
38.3%	10,055	8,877	-1,177	-11.7%
39.5%	9,955	8,363	-1,592	-16.0%
40.7%	9,915	8,247	-1,667	-16.8%
42.0%	9,694	8,176	-1,518	-15.7%
43.2%	9,662	8,121	-1,541	-16.0%
44.4%	8,583	8,080	-503	-5.9%
45.7%	8,410	8,030	-380	-4.5%
46.9%	8,332	7,934	-398	-4.8%
48.1%	8,156	7,931	-225	-2.8%
49.4%	8,048	7,864	-184	-2.3%
50.6%	7,822	7,840	19	0.2%
51.9%	7,705	7,790	85	1.1%
53.1%	7,385	7,747	362	4.9%
54.3%	7,310	7,678	368	5.0%
55.6%	7,245	7,592	346	4.8%
56.8%	7,010	7,222	212	3.0%
58.0%	6,915	7,196	281	4.1%
59.3%	6,892	7,186	294	4.3%
60.5%	6,707	7,114	407	6.1%
61.7%	6,585	7,091	507	7.7%
63.0%	6,556	7,022	465	7.1%
64.2%	6,549	6,986	437	6.7%
65.4%	6,524	6,956	431	6.6%
66.7%	6,299	6,938	639	10.1%
67.9%	6,243	6,928	685	11.0%
69.1%	6,124	6,909	786	12.8%
70.4%	5,923	6,722	799	13.5%
71.6%	5,788	6,648	860	14.9%
72.8%	5,733	6,577	844	14.7%
74.1%	5,725	6,535	810	14.2%
75.3%	5,714	6,521	808	14.1%
76.5%	5,688	6,433	745	13.1%
77.8%	5,677	6,406	729	12.9%
79.0%	5,605	6,385	780	13.9%
80.2%	5,523	6,337	813	14.7%
81.5%	5,508	6,250	742	13.5%
82.7%	5,482	6,187	705	12.9%
84.0%	5,453	6,153	700	12.8%
85.2%	5,427	5,704	277	5.1%
86.4%	5,169	5,525	355	6.9%
87.7%	5,124	5,514	390	7.6%
88.9%	4,976	5,451	475	9.5%
90.1%	4,902	5,430	528	10.8%
91.4%	4,876	5,370	494	10.1%
92.6%	4,832	5,155	322	6.7%
93.8%	4,759	4,902	143	3.0%
95.1%	4,735	4,710	-24	-0.5%
96.3%	4,710	4,616	-95	-2.0%
97.5%	4,337	4,338	1	0.0%
98.8%	4,104	4,102	-2	0.0%
100.0%	3,960	4,030	70	1.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	87,516	86,030	-1,486	-1.7%
1.2%	64,102	64,105	3	0.0%
2.5%	57,934	55,490	-2,444	-4.2%
3.7%	57,903	55,482	-2,421	-4.2%
4.9%	48,361	48,755	394	0.8%
6.2%	48,061	46,680	-1,381	-2.9%
7.4%	44,076	44,298	222	0.5%
8.6%	42,936	41,637	-1,299	-3.0%
9.9%	36,581	34,588	-1,993	-5.4%
11.1%	34,591	34,153	-438	-1.3%
12.3%	32,482	29,418	-3,064	-9.4%
13.6%	31,053	28,579	-2,474	-8.0%
14.8%	30,594	27,884	-2,710	-8.9%
16.0%	30,309	26,998	-3,311	-10.9%
17.3%	29,006	25,408	-3,598	-12.4%
18.5%	26,574	24,130	-2,444	-9.2%
19.8%	25,789	23,467	-2,322	-9.0%
21.0%	25,406	23,361	-2,045	-8.1%
22.2%	24,573	23,200	-1,373	-5.6%
23.5%	23,536	21,089	-2,447	-10.4%
24.7%	21,878	20,390	-1,488	-6.8%
25.9%	21,077	18,778	-2,299	-10.9%
27.2%	20,003	16,536	-3,466	-17.3%
28.4%	18,966	15,436	-3,530	-18.6%
29.6%	17,868	15,344	-2,524	-14.1%
30.9%	17,226	14,800	-2,426	-14.1%
32.1%	17,077	14,638	-2,440	-14.3%
33.3%	16,880	14,449	-2,431	-14.4%
34.6%	16,321	14,159	-2,162	-13.2%
35.8%	14,718	14,012	-706	-4.8%
37.0%	14,686	13,900	-786	-5.4%
38.3%	14,595	12,868	-1,728	-11.8%
39.5%	14,012	12,405	-1,607	-11.5%
40.7%	13,333	12,240	-1,093	-8.2%
42.0%	12,991	11,243	-1,748	-13.5%
43.2%	12,453	10,907	-1,546	-12.4%
44.4%	12,407	10,862	-1,545	-12.5%
45.7%	12,239	10,763	-1,477	-12.1%
46.9%	12,092	10,713	-1,379	-11.4%
48.1%	11,578	10,555	-1,022	-8.8%
49.4%	11,171	10,153	-1,018	-9.1%
50.6%	11,067	9,545	-1,522	-13.8%
51.9%	10,102	9,216	-886	-8.8%
53.1%	9,741	8,902	-839	-8.6%
54.3%	9,687	8,788	-899	-9.3%
55.6%	9,536	8,582	-953	-10.0%
56.8%	9,420	8,211	-1,208	-12.8%
58.0%	9,103	8,125	-978	-10.7%
59.3%	8,901	7,987	-914	-10.3%
60.5%	8,602	7,833	-768	-8.9%
61.7%	8,447	7,782	-664	-7.9%
63.0%	8,446	7,689	-757	-9.0%
64.2%	8,439	7,550	-889	-10.5%
65.4%	8,125	7,533	-593	-7.3%
66.7%	7,573	7,423	-150	-2.0%
67.9%	7,551	7,405	-147	-1.9%
69.1%	7,494	7,295	-199	-2.7%
70.4%	7,254	7,216	-38	-0.5%
71.6%	6,908	7,203	295	4.3%
72.8%	6,879	7,170	291	4.2%
74.1%	6,837	6,909	72	1.1%
75.3%	6,672	6,868	196	2.9%
76.5%	6,650	6,823	173	2.6%
77.8%	6,608	6,815	207	3.1%
79.0%	6,599	6,609	10	0.1%
80.2%	6,569	6,574	5	0.1%
81.5%	6,414	6,530	116	1.8%
82.7%	6,327	6,522	194	3.1%
84.0%	6,315	6,514	199	3.2%
85.2%	6,198	6,395	197	3.2%
86.4%	5,993	6,313	319	5.3%
87.7%	5,943	6,210	267	4.5%
88.9%	5,683	6,201	517	9.1%
90.1%	5,548	6,069	521	9.4%
91.4%	5,510	5,990	480	8.7%
92.6%	5,448	5,941	494	9.1%
93.8%	5,334	5,715	381	7.1%
95.1%	5,253	5,688	434	8.3%
96.3%	5,222	5,547	324	6.2%
97.5%	4,920	5,538	618	12.6%
98.8%	4,837	5,219	382	7.9%
100.0%	4,817	4,135	-682	-14.2%

Table SW-13-9b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	81,270	-281	-0.3%
1.2%	73,485	76,252	2,767	3.8%
2.5%	72,391	72,402	11	0.0%
3.7%	60,933	60,931	-2	0.0%
4.9%	52,482	52,147	-335	-0.6%
6.2%	51,691	51,299	-392	-0.8%
7.4%	50,703	48,808	-1,895	-3.7%
8.6%	49,105	47,908	-1,197	-2.4%
9.9%	47,905	47,058	-847	-1.8%
11.1%	47,013	46,687	-326	-0.7%
12.3%	45,694	46,599	905	2.0%
13.6%	45,216	42,654	-2,562	-5.7%
14.8%	41,866	39,316	-2,550	-6.1%
16.0%	36,677	35,815	-863	-2.4%
17.3%	35,814	35,533	-281	-0.8%
18.5%	34,797	32,248	-2,549	-7.3%
19.8%	33,370	31,980	-1,390	-4.2%
21.0%	31,814	29,263	-2,551	-8.0%
22.2%	30,294	27,725	-2,568	-8.5%
23.5%	27,993	26,018	-1,974	-7.1%
24.7%	27,313	25,132	-2,180	-8.0%
25.9%	27,275	25,128	-2,147	-7.9%
27.2%	23,060	24,745	1,685	7.3%
28.4%	22,970	23,400	430	1.9%
29.6%	22,484	22,972	488	2.2%
30.9%	20,577	22,728	2,151	10.5%
32.1%	20,100	17,197	-2,904	-14.4%
33.3%	19,797	16,727	-3,070	-15.5%
34.6%	19,268	16,369	-2,899	-15.0%
35.8%	18,274	15,995	-2,279	-12.5%
37.0%	18,143	15,578	-2,565	-14.1%
38.3%	17,150	14,976	-2,174	-12.7%
39.5%	16,001	14,601	-1,400	-8.7%
40.7%	15,749	14,261	-1,488	-9.4%
42.0%	15,566	13,001	-2,565	-16.5%
43.2%	15,523	12,943	-2,579	-16.6%
44.4%	15,031	12,473	-2,558	-17.0%
45.7%	13,375	12,038	-1,338	-10.0%
46.9%	13,220	11,379	-1,841	-13.9%
48.1%	12,935	11,155	-1,780	-13.8%
49.4%	12,840	11,148	-1,693	-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	10,262	-829	-7.5%
55.6%	10,974	10,165	-809	-7.4%
56.8%	10,876	9,862	-1,014	-9.3%
58.0%	10,677	9,227	-1,450	-13.6%
59.3%	10,457	9,081	-1,376	-13.2%
60.5%	10,351	9,038	-1,313	-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	8,633	-1,147	-11.7%
65.4%	9,468	8,404	-1,064	-11.2%
66.7%	8,995	8,168	-827	-9.2%
67.9%	8,975	7,852	-1,123	-12.5%
69.1%	8,795	7,727	-1,068	-12.1%
70.4%	8,775	7,621	-1,153	-13.1%
71.6%	8,735	7,501	-1,234	-14.1%
72.8%	8,447	7,442	-1,005	-11.9%
74.1%	8,189	7,426	-763	-9.3%
75.3%	8,138	7,407	-732	-9.0%
76.5%	7,786	7,404	-382	-4.9%
77.8%	7,742	7,386	-356	-4.6%
79.0%	7,741	7,348	-393	-5.1%
80.2%	7,700	7,323	-377	-4.9%
81.5%	7,349	7,149	-200	-2.7%
82.7%	7,188	7,070	-118	-1.6%
84.0%	6,765	7,064	299	4.4%
85.2%	6,329	6,717	388	6.1%
86.4%	6,269	6,665	397	6.3%
87.7%	6,039	6,464	425	7.0%
88.9%	5,968	6,409	442	7.4%
90.1%	5,818	6,013	195	3.4%
91.4%	5,602	5,966	364	6.5%
92.6%	5,573	5,604	31	0.6%
93.8%	5,558	5,559	0	0.0%
95.1%	5,510	5,290	-220	-4.0%
96.3%	5,289	5,212	-77	-1.5%
97.5%	4,975	5,167	192	3.9%
98.8%	4,894	4,792	-102	-2.1%
100.0%	4,773	4,602	-171	-3.6%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,959	-2	0.0%
1.2%	76,606	72,703	-3,903	-5.1%
2.5%	59,064	58,060	-1,004	-1.7%
3.7%	53,953	53,945	-8	0.0%
4.9%	52,087	52,089	2	0.0%
6.2%	44,292	39,961	-4,331	-9.8%
7.4%	37,412	33,478	-3,934	-10.5%
8.6%	36,276	32,346	-3,930	-10.8%
9.9%	33,130	31,778	-1,352	-4.1%
11.1%	30,981	28,896	-2,085	-6.7%
12.3%	29,603	27,048	-2,555	-8.6%
13.6%	26,653	26,050	-603	-2.3%
14.8%	24,221	24,217	-4	0.0%
16.0%	24,215	23,410	-805	-3.3%
17.3%	22,756	22,559	-198	-0.9%
18.5%	22,699	22,396	-303	-1.3%
19.8%	22,558	21,277	-1,280	-5.7%
21.0%	22,393	21,246	-1,147	-5.1%
22.2%	21,243	21,176	-67	-0.3%
23.5%	20,945	20,605	-340	-1.6%
24.7%	20,604	18,888	-1,716	-8.3%
25.9%	19,929	17,194	-2,735	-13.7%
27.2%	18,519	17,036	-1,483	-8.0%
28.4%	17,441	14,853	-2,588	-14.8%
29.6%	17,384	14,847	-2,537	-14.6%
30.9%	17,191	14,611	-2,580	-15.0%
32.1%	16,128	14,033	-2,095	-13.0%
33.3%	15,708	13,807	-1,901	-12.1%
34.6%	15,322	13,052	-2,270	-14.8%
35.8%	15,177	12,303	-2,873	-18.9%
37.0%	14,154	11,857	-2,297	-16.2%
38.3%	13,811	11,654	-2,157	-15.6%
39.5%	13,444	10,244	-3,200	-23.8%
40.7%	12,987	9,805	-3,182	-24.5%
42.0%	12,302	9,516	-2,787	-22.7%
43.2%	12,206	9,359	-2,847	-23.3%
44.4%	12,124	9,010	-3,114	-25.7%
45.7%	11,686	8,897	-2,789	-23.9%
46.9%	11,555	8,830	-2,724	-23.6%
48.1%	11,428	8,387	-3,042	-26.6%
49.4%	11,398	8,294	-3,104	-27.2%
50.6%	11,188	8,239	-2,948	-26.4%
51.9%	10,627	8,199	-2,428	-22.8%
53.1%	10,509	8,187	-2,322	-22.1%
54.3%	10,481	7,793	-2,688	-25.6%
55.6%	10,182	7,769	-2,414	-23.7%
56.8%	9,911	7,644	-2,267	-22.9%
58.0%	9,800	7,623	-2,177	-22.2%
59.3%	9,794	7,308	-2,486	-25.4%
60.5%	9,707	7,193	-2,514	-25.9%
61.7%	9,324	6,838	-2,486	-26.7%
63.0%	9,306	6,810	-2,496	-26.8%
64.2%	9,011	6,717	-2,293	-25.5%
65.4%	8,943	6,702	-2,241	-25.1%
66.7%	8,936	6,701	-2,234	-25.0%
67.9%	8,896	6,667	-2,228	-25.0%
69.1%	8,833	6,661	-2,171	-24.6%
70.4%	8,703	6,623	-2,080	-23.9%
71.6%	8,385	6,619	-1,766	-21.1%
72.8%	8,353	6,589	-1,764	-21.1%
74.1%	8,024	6,479	-1,545	-19.3%
75.3%	7,987	6,401	-1,586	-19.9%
76.5%	7,810	6,393	-1,417	-18.1%
77.8%	7,768	6,284	-1,485	-19.1%
79.0%	7,359	6,273	-1,086	-14.8%
80.2%	7,096	6,018	-1,077	-15.2%
81.5%	6,802	5,971	-831	-12.2%
82.7%	6,709	5,960	-748	-11.2%
84.0%	6,665	5,894	-771	-11.6%
85.2%	6,622	5,690	-932	-14.1%
86.4%	6,590	5,660	-929	-14.1%
87.7%	6,490	5,504	-986	-15.2%
88.9%	6,400	5,481	-919	-14.4%
90.1%	5,898	5,480	-417	-7.1%
91.4%	5,830	5,416	-414	-7.1%
92.6%	5,468	5,232	-237	-4.3%
93.8%	5,428	5,173	-254	-4.7%
95.1%	5,234	5,160	-74	-1.4%
96.3%	5,191	5,058	-133	-2.6%
97.5%	5,175	4,608	-567	-11.0%
98.8%	5,065	4,530	-535	-10.6%
100.0%	4,620	4,226	-394	-8.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	44,484	245	0.6%
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	25,006	-1	0.0%
6.2%	23,846	23,847	1	0.0%
7.4%	19,529	19,527	-2	0.0%
8.6%	19,343	19,344	1	0.0%
9.9%	18,754	18,757	4	0.0%
11.1%	18,235	18,237	2	0.0%
12.3%	17,795	17,078	-718	-4.0%
13.6%	17,076	14,490	-2,586	-15.1%
14.8%	16,115	14,168	-1,947	-12.1%
16.0%	15,551	13,119	-2,432	-15.6%
17.3%	15,481	12,791	-2,690	-17.4%
18.5%	15,306	12,662	-2,644	-17.3%
19.8%	15,135	12,421	-2,715	-17.9%
21.0%	14,991	11,888	-3,104	-20.7%
22.2%	13,107	11,865	-1,242	-9.5%
23.5%	12,660	11,142	-1,518	-12.0%
24.7%	11,600	9,680	-1,921	-16.6%
25.9%	10,957	8,826	-2,131	-19.5%
27.2%	9,279	8,740	-539	-5.8%
28.4%	9,094	8,735	-359	-3.9%
29.6%	8,897	8,653	-244	-2.7%
30.9%	8,837	8,648	-189	-2.1%
32.1%	8,742	8,442	-301	-3.4%
33.3%	8,619	8,310	-309	-3.6%
34.6%	8,552	8,064	-488	-5.7%
35.8%	8,381	7,966	-415	-4.9%
37.0%	8,341	7,802	-539	-6.5%
38.3%	8,197	7,668	-529	-6.5%
39.5%	8,079	7,475	-604	-7.5%
40.7%	7,763	7,437	-325	-4.2%
42.0%	7,693	7,315	-377	-4.9%
43.2%	7,557	7,304	-253	-3.3%
44.4%	7,460	7,227	-232	-3.1%
45.7%	7,366	7,125	-241	-3.3%
46.9%	7,334	7,073	-261	-3.6%
48.1%	7,155	6,998	-157	-2.2%
49.4%	7,143	6,975	-169	-2.4%
50.6%	7,058	6,953	-105	-1.5%
51.9%	7,029	6,808	-221	-3.1%
53.1%	6,897	6,702	-195	-2.8%
54.3%	6,874	6,693	-180	-2.6%
55.6%	6,858	6,610	-248	-3.6%
56.8%	6,779	6,600	-179	-2.6%
58.0%	6,710	6,588	-122	-1.8%
59.3%	6,696	6,443	-253	-3.8%
60.5%	6,664	6,412	-252	-3.8%
61.7%	6,639	6,393	-246	-3.7%
63.0%	6,532	6,365	-167	-2.6%
64.2%	6,524	6,360	-163	-2.5%
65.4%	6,505	6,318	-187	-2.9%
66.7%	6,392	6,282	-110	-1.7%
67.9%	6,314	6,240	-74	-1.2%
69.1%	6,308	6,232	-75	-1.2%
70.4%	6,165	6,203	38	0.6%
71.6%	6,133	6,152	19	0.3%
72.8%	6,027	6,070	43	0.7%
74.1%	6,020	6,022	2	0.0%
75.3%	5,971	5,965	-6	-0.1%
76.5%	5,968	5,769	-199	-3.3%
77.8%	5,845	5,656	-189	-3.2%
79.0%	5,750	5,656	-94	-1.6%
80.2%	5,736	5,629	-107	-1.9%
81.5%	5,727	5,455	-272	-4.7%
82.7%	5,677	5,454	-223	-3.9%
84.0%	5,628	5,426	-202	-3.6%
85.2%	5,625	5,342	-283	-5.0%
86.4%	5,617	5,340	-276	-4.9%
87.7%	5,586	5,291	-296	-5.3%
88.9%	5,549	5,220	-329	-5.9%
90.1%	5,538	5,136	-401	-7.2%
91.4%	5,297	4,998	-298	-5.6%
92.6%	5,294	4,830	-463	-8.8%
93.8%	5,277	4,729	-547	-10.4%
95.1%	5,173	4,690	-482	-9.3%
96.3%	4,827	4,640	-187	-3.9%
97.5%	4,723	4,543	-180	-3.8%
98.8%	4,544	4,344	-200	-4.4%
100.0%	4,481	4,325	-157	-3.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,922	24,924	2	0.0%
1.2%	19,421	19,079	-342	-1.8%
2.5%	19,182	18,455	-728	-3.8%
3.7%	18,455	18,292	-163	-0.9%
4.9%	18,395	17,380	-1,015	-5.5%
6.2%	17,484	16,573	-911	-5.2%
7.4%	14,634	14,423	-211	-1.4%
8.6%	14,601	14,383	-218	-1.5%
9.9%	14,416	14,344	-72	-0.5%
11.1%	13,794	12,719	-1,075	-7.8%
12.3%	12,718	12,493	-225	-1.8%
13.6%	12,492	12,238	-255	-2.0%
14.8%	12,343	11,755	-588	-4.8%
16.0%	11,860	11,639	-221	-1.9%
17.3%	11,640	10,292	-1,348	-11.6%
18.5%	11,132	9,895	-1,236	-11.1%
19.8%	10,681	9,610	-1,071	-10.0%
21.0%	10,627	9,490	-1,137	-10.7%
22.2%	9,718	8,898	-820	-8.4%
23.5%	9,562	8,815	-747	-7.8%
24.7%	9,525	8,758	-766	-8.0%
25.9%	9,023	8,735	-288	-3.2%
27.2%	8,534	8,385	-148	-1.7%
28.4%	8,488	8,353	-135	-1.6%
29.6%	8,476	8,261	-214	-2.5%
30.9%	8,264	8,186	-78	-0.9%
32.1%	8,222	8,173	-49	-0.6%
33.3%	8,193	7,997	-197	-2.4%
34.6%	8,154	7,929	-224	-2.8%
35.8%	8,096	7,726	-371	-4.6%
37.0%	7,860	7,629	-231	-2.9%
38.3%	7,766	7,573	-193	-2.5%
39.5%	7,723	7,563	-160	-2.1%
40.7%	7,714	7,532	-182	-2.4%
42.0%	7,655	7,468	-187	-2.4%
43.2%	7,650	7,467	-183	-2.4%
44.4%	7,562	7,415	-147	-1.9%
45.7%	7,459	7,361	-98	-1.3%
46.9%	7,236	7,260	24	0.3%
48.1%	7,220	7,188	-32	-0.4%
49.4%	7,218	7,167	-50	-0.7%
50.6%	7,168	7,135	-33	-0.5%
51.9%	7,072	7,133	61	0.9%
53.1%	7,039	7,074	35	0.5%
54.3%	7,038	7,034	-4	-0.1%
55.6%	6,948	7,019	71	1.0%
56.8%	6,868	6,997	128	1.9%
58.0%	6,778	6,915	137	2.0%
59.3%	6,741	6,852	111	1.6%
60.5%	6,662	6,770	107	1.6%
61.7%	6,588	6,725	137	2.1%
63.0%	6,512	6,622	110	1.7%
64.2%	6,495	6,569	74	1.1%
65.4%	6,389	6,532	143	2.2%
66.7%	6,343	6,514	170	2.7%
67.9%	6,326	6,502	175	2.8%
69.1%	6,228	6,459	231	3.7%
70.4%	6,187	6,421	235	3.8%
71.6%	6,180	6,369	189	3.1%
72.8%	6,178	6,351	173	2.8%
74.1%	6,153	6,336	183	3.0%
75.3%	6,119	6,290	171	2.8%
76.5%	6,110	6,234	124	2.0%
77.8%	6,108	6,226	119	1.9%
79.0%	6,083	6,122	39	0.6%
80.2%	6,060	6,097	37	0.6%
81.5%	5,999	6,094	95	1.6%
82.7%	5,953	6,080	127	2.1%
84.0%	5,947	6,066	118	2.0%
85.2%	5,884	6,057	173	2.9%
86.4%	5,864	6,049	185	3.1%
87.7%	5,839	5,918	79	1.4%
88.9%	5,835	5,850	15	0.3%
90.1%	5,801	5,793	-8	-0.1%
91.4%	5,799	5,700	-99	-1.7%
92.6%	5,753	5,616	-136	-2.4%
93.8%	5,718	4,989	-729	-12.8%
95.1%	5,580	4,961	-619	-11.1%
96.3%	5,546	4,923	-623	-11.2%
97.5%	5,455	4,794	-660	-12.1%
98.8%	5,232	4,773	-459	-8.8%
100.0%	5,112	4,732	-380	-7.4%

Table SW-13-9b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,238	23,240	2	0.0%
1.2%	15,154	15,154	0	0.0%
2.5%	12,310	11,099	-1,211	-9.8%
3.7%	12,186	10,662	-1,525	-12.5%
4.9%	11,855	10,646	-1,209	-10.2%
6.2%	11,585	10,619	-965	-8.3%
7.4%	11,085	10,383	-702	-6.3%
8.6%	11,039	10,079	-960	-8.7%
9.9%	10,316	9,743	-573	-5.6%
11.1%	10,131	9,650	-481	-4.7%
12.3%	9,854	9,568	-287	-2.9%
13.6%	9,691	9,540	-151	-1.6%
14.8%	9,631	9,330	-301	-3.1%
16.0%	9,611	9,198	-413	-4.3%
17.3%	9,443	9,161	-282	-3.0%
18.5%	9,315	8,999	-316	-3.4%
19.8%	9,305	8,959	-346	-3.7%
21.0%	9,256	8,956	-300	-3.2%
22.2%	9,236	8,948	-288	-3.1%
23.5%	9,193	8,943	-250	-2.7%
24.7%	9,141	8,894	-247	-2.7%
25.9%	9,119	8,870	-249	-2.7%
27.2%	9,036	8,747	-289	-3.2%
28.4%	8,985	8,548	-437	-4.9%
29.6%	8,978	8,495	-484	-5.4%
30.9%	8,938	8,444	-494	-5.5%
32.1%	8,921	8,442	-479	-5.4%
33.3%	8,823	8,429	-393	-4.5%
34.6%	8,806	8,420	-385	-4.4%
35.8%	8,743	8,406	-337	-3.9%
37.0%	8,706	8,402	-304	-3.5%
38.3%	8,664	8,365	-299	-3.5%
39.5%	8,555	8,351	-204	-2.4%
40.7%	8,504	8,341	-162	-1.9%
42.0%	8,418	8,338	-80	-1.0%
43.2%	8,378	8,331	-47	-0.6%
44.4%	8,375	8,315	-61	-0.7%
45.7%	8,329	8,272	-58	-0.7%
46.9%	8,232	8,263	31	0.4%
48.1%	8,201	8,244	42	0.5%
49.4%	8,192	8,233	40	0.5%
50.6%	8,167	8,226	59	0.7%
51.9%	8,162	8,214	52	0.6%
53.1%	8,129	8,183	54	0.7%
54.3%	8,090	8,177	87	1.1%
55.6%	8,087	8,161	74	0.9%
56.8%	8,067	8,134	66	0.8%
58.0%	8,067	8,120	53	0.7%
59.3%	8,040	8,074	34	0.4%
60.5%	8,031	8,069	39	0.5%
61.7%	8,027	8,064	37	0.5%
63.0%	8,004	8,053	49	0.6%
64.2%	7,923	8,024	101	1.3%
65.4%	7,864	8,019	155	2.0%
66.7%	7,848	7,965	116	1.5%
67.9%	7,840	7,905	65	0.8%
69.1%	7,829	7,874	45	0.6%
70.4%	7,759	7,838	79	1.0%
71.6%	7,740	7,809	69	0.9%
72.8%	7,670	7,685	15	0.2%
74.1%	7,581	7,661	80	1.1%
75.3%	7,421	7,641	219	3.0%
76.5%	7,395	7,626	231	3.1%
77.8%	7,329	7,617	288	3.9%
79.0%	7,304	7,569	265	3.6%
80.2%	7,265	7,548	283	3.9%
81.5%	7,261	7,534	273	3.8%
82.7%	7,235	7,464	230	3.2%
84.0%	7,223	7,459	235	3.3%
85.2%	7,186	7,296	110	1.5%
86.4%	7,185	7,238	53	0.7%
87.7%	7,118	7,221	103	1.4%
88.9%	7,090	7,185	95	1.3%
90.1%	7,067	7,157	90	1.3%
91.4%	6,982	7,143	161	2.3%
92.6%	6,939	7,131	193	2.8%
93.8%	6,935	7,091	156	2.2%
95.1%	6,879	7,074	195	2.8%
96.3%	6,608	6,683	75	1.1%
97.5%	6,022	6,157	135	2.2%
98.8%	5,932	5,675	-257	-4.3%
100.0%	5,783	5,649	-135	-2.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,440	14,030	590	4.4%
1.2%	13,350	13,514	163	1.2%
2.5%	12,902	13,442	540	4.2%
3.7%	12,551	13,400	849	6.8%
4.9%	12,194	13,327	1,134	9.3%
6.2%	11,959	13,148	1,189	9.9%
7.4%	11,917	13,068	1,151	9.7%
8.6%	11,821	13,048	1,227	10.4%
9.9%	11,811	13,034	1,223	10.4%
11.1%	11,760	12,750	990	8.4%
12.3%	11,714	12,661	947	8.1%
13.6%	11,688	12,412	724	6.2%
14.8%	11,680	12,361	681	5.8%
16.0%	11,624	12,303	680	5.8%
17.3%	11,565	12,192	627	5.4%
18.5%	11,526	12,131	605	5.3%
19.8%	11,421	12,081	659	5.8%
21.0%	11,377	11,840	463	4.1%
22.2%	11,367	11,766	399	3.5%
23.5%	11,230	11,640	410	3.6%
24.7%	11,220	11,604	384	3.4%
25.9%	11,215	11,462	247	2.2%
27.2%	11,141	11,447	306	2.7%
28.4%	11,096	11,296	200	1.8%
29.6%	11,079	11,290	211	1.9%
30.9%	11,012	11,182	170	1.5%
32.1%	10,976	11,041	66	0.6%
33.3%	10,956	10,865	-90	-0.8%
34.6%	10,954	10,689	-265	-2.4%
35.8%	10,935	10,663	-272	-2.5%
37.0%	10,904	10,608	-295	-2.7%
38.3%	10,837	10,607	-230	-2.1%
39.5%	10,730	10,523	-207	-1.9%
40.7%	10,676	10,489	-187	-1.8%
42.0%	10,482	10,362	-120	-1.1%
43.2%	10,464	10,293	-171	-1.6%
44.4%	10,405	10,226	-180	-1.7%
45.7%	10,228	10,212	-15	-0.2%
46.9%	10,223	10,145	-79	-0.8%
48.1%	10,220	10,142	-78	-0.8%
49.4%	9,816	10,073	257	2.6%
50.6%	9,644	10,038	394	4.1%
51.9%	9,551	9,996	445	4.7%
53.1%	9,518	9,987	469	4.9%
54.3%	9,509	9,984	475	5.0%
55.6%	9,507	9,956	449	4.7%
56.8%	9,494	9,929	435	4.6%
58.0%	9,397	9,896	498	5.3%
59.3%	9,243	9,865	622	6.7%
60.5%	9,205	9,823	617	6.7%
61.7%	9,155	9,612	457	5.0%
63.0%	9,154	9,609	455	5.0%
64.2%	9,054	9,598	544	6.0%
65.4%	9,038	9,545	507	5.6%
66.7%	9,037	9,512	474	5.2%
67.9%	9,014	9,317	303	3.4%
69.1%	8,987	9,315	328	3.7%
70.4%	8,923	9,194	270	3.0%
71.6%	8,778	9,082	304	3.5%
72.8%	8,715	9,051	336	3.9%
74.1%	8,696	8,959	263	3.0%
75.3%	8,688	8,954	266	3.1%
76.5%	8,621	8,859	238	2.8%
77.8%	8,618	8,853	236	2.7%
79.0%	8,559	8,832	273	3.2%
80.2%	8,520	8,828	308	3.6%
81.5%	8,515	8,707	193	2.3%
82.7%	8,484	8,627	143	1.7%
84.0%	8,291	8,576	285	3.4%
85.2%	8,283	8,569	286	3.5%
86.4%	8,233	8,384	151	1.8%
87.7%	7,939	8,382	443	5.6%
88.9%	7,842	8,304	462	5.9%
90.1%	7,754	8,238	483	6.2%
91.4%	7,668	8,065	398	5.2%
92.6%	7,599	7,941	343	4.5%
93.8%	7,567	7,919	353	4.7%
95.1%	7,554	7,897	343	4.5%
96.3%	7,553	7,861	308	4.1%
97.5%	7,406	7,806	400	5.4%
98.8%	7,215	7,760	545	7.6%
100.0%	6,416	6,743	326	5.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,725	12,409	685	5.8%
1.2%	11,660	11,661	1	0.0%
2.5%	11,581	11,211	-370	-3.2%
3.7%	11,021	11,026	5	0.0%
4.9%	11,011	10,318	-692	-6.3%
6.2%	10,576	10,283	-293	-2.8%
7.4%	10,435	9,911	-524	-5.0%
8.6%	10,083	9,809	-274	-2.7%
9.9%	10,008	9,267	-741	-7.4%
11.1%	10,001	9,249	-752	-7.5%
12.3%	9,571	9,072	-499	-5.2%
13.6%	9,487	9,039	-448	-4.7%
14.8%	9,481	8,993	-488	-5.1%
16.0%	9,453	8,870	-583	-6.2%
17.3%	9,423	8,845	-578	-6.1%
18.5%	9,278	8,690	-588	-6.3%
19.8%	9,207	8,567	-640	-7.0%
21.0%	9,130	8,394	-736	-8.1%
22.2%	9,031	8,322	-709	-7.8%
23.5%	8,735	8,293	-442	-5.1%
24.7%	8,723	8,291	-432	-5.0%
25.9%	8,636	8,267	-369	-4.3%
27.2%	8,613	8,209	-403	-4.7%
28.4%	8,595	8,188	-407	-4.7%
29.6%	8,419	8,152	-267	-3.2%
30.9%	8,297	8,143	-153	-1.9%
32.1%	8,254	8,133	-121	-1.5%
33.3%	8,229	8,129	-100	-1.2%
34.6%	8,167	8,112	-55	-0.7%
35.8%	8,136	8,044	-92	-1.1%
37.0%	8,130	8,030	-100	-1.2%
38.3%	8,124	7,986	-139	-1.7%
39.5%	8,042	7,953	-88	-1.1%
40.7%	8,038	7,885	-153	-1.9%
42.0%	7,990	7,870	-120	-1.5%
43.2%	7,922	7,858	-64	-0.8%
44.4%	7,906	7,854	-51	-0.7%
45.7%	7,905	7,853	-52	-0.7%
46.9%	7,900	7,822	-78	-1.0%
48.1%	7,828	7,814	-15	-0.2%
49.4%	7,828	7,795	-32	-0.4%
50.6%	7,787	7,775	-11	-0.1%
51.9%	7,729	7,774	45	0.6%
53.1%	7,686	7,774	87	1.1%
54.3%	7,682	7,763	81	1.1%
55.6%	7,592	7,753	161	2.1%
56.8%	7,592	7,642	50	0.7%
58.0%	7,555	7,563	7	0.1%
59.3%	7,527	7,554	27	0.4%
60.5%	7,517	7,500	-17	-0.2%
61.7%	7,501	7,373	-128	-1.7%
63.0%	7,458	7,355	-103	-1.4%
64.2%	7,435	7,337	-98	-1.3%
65.4%	7,416	7,309	-107	-1.4%
66.7%	7,377	7,301	-76	-1.0%
67.9%	7,345	7,108	-237	-3.2%
69.1%	7,341	7,074	-267	-3.6%
70.4%	7,295	7,053	-242	-3.3%
71.6%	7,188	6,945	-243	-3.4%
72.8%	7,173	6,931	-243	-3.4%
74.1%	7,158	6,908	-250	-3.5%
75.3%	7,135	6,902	-232	-3.3%
76.5%	7,118	6,896	-222	-3.1%
77.8%	7,087	6,886	-201	-2.8%
79.0%	6,930	6,804	-125	-1.8%
80.2%	6,913	6,797	-116	-1.7%
81.5%	6,852	6,719	-133	-1.9%
82.7%	6,809	6,695	-113	-1.7%
84.0%	6,725	6,656	-69	-1.0%
85.2%	6,678	6,606	-71	-1.1%
86.4%	6,663	6,564	-99	-1.5%
87.7%	6,562	6,556	-5	-0.1%
88.9%	6,523	6,555	32	0.5%
90.1%	6,461	6,553	92	1.4%
91.4%	6,448	6,547	98	1.5%
92.6%	6,439	6,493	55	0.8%
93.8%	6,381	6,471	89	1.4%
95.1%	6,360	6,415	55	0.9%
96.3%	6,266	6,265	-1	0.0%
97.5%	5,826	6,094	268	4.6%
98.8%	5,678	5,974	297	5.2%
100.0%	5,574	5,921	347	6.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,961	14,661	-1,300	-8.1%
1.2%	14,688	14,506	-182	-1.2%
2.5%	14,611	14,413	-199	-1.4%
3.7%	14,560	14,098	-462	-3.2%
4.9%	14,379	13,714	-665	-4.6%
6.2%	14,033	13,460	-573	-4.1%
7.4%	13,389	13,287	-102	-0.8%
8.6%	13,292	13,162	-130	-1.0%
9.9%	12,971	13,030	59	0.5%
11.1%	12,766	12,462	-304	-2.4%
12.3%	12,705	12,292	-413	-3.3%
13.6%	12,656	12,196	-460	-3.6%
14.8%	12,561	12,170	-391	-3.1%
16.0%	12,476	12,041	-435	-3.5%
17.3%	12,037	11,667	-371	-3.1%
18.5%	12,037	11,577	-460	-3.8%
19.8%	11,870	11,389	-481	-4.0%
21.0%	11,770	11,308	-462	-3.9%
22.2%	11,521	11,271	-250	-2.2%
23.5%	11,267	11,182	-85	-0.8%
24.7%	10,992	10,894	-99	-0.9%
25.9%	10,678	10,785	106	1.0%
27.2%	10,346	10,758	413	4.0%
28.4%	10,236	10,613	377	3.7%
29.6%	9,736	9,716	-20	-0.2%
30.9%	9,696	9,381	-314	-3.2%
32.1%	9,477	9,042	-435	-4.6%
33.3%	9,234	8,966	-268	-2.9%
34.6%	8,976	8,367	-609	-6.8%
35.8%	8,681	7,547	-1,134	-13.1%
37.0%	8,644	7,315	-1,329	-15.4%
38.3%	8,467	7,177	-1,290	-15.2%
39.5%	8,287	7,130	-1,158	-14.0%
40.7%	7,573	6,601	-972	-12.8%
42.0%	7,039	6,548	-490	-7.0%
43.2%	6,539	6,488	51	-0.8%
44.4%	6,531	6,456	-74	-1.1%
45.7%	6,514	6,416	-97	-1.5%
46.9%	6,502	6,250	-252	-3.9%
48.1%	6,456	6,199	-257	-4.0%
49.4%	6,418	6,199	-220	-3.4%
50.6%	6,197	6,058	-139	-2.2%
51.9%	6,141	5,964	-178	-2.9%
53.1%	6,129	5,880	-250	-4.1%
54.3%	5,991	5,879	-112	-1.9%
55.6%	5,887	5,852	-35	-0.6%
56.8%	5,832	5,784	-48	-0.8%
58.0%	5,743	5,756	13	0.2%
59.3%	5,710	5,711	1	0.0%
60.5%	5,673	5,634	-39	-0.7%
61.7%	5,590	5,577	-13	-0.2%
63.0%	5,489	5,529	40	0.7%
64.2%	5,483	5,494	11	0.2%
65.4%	5,479	5,484	5	0.1%
66.7%	5,479	5,476	-4	-0.1%
67.9%	5,465	5,435	-30	-0.5%
69.1%	5,462	5,396	-66	-1.2%
70.4%	5,407	5,350	-57	-1.1%
71.6%	5,327	5,344	17	0.3%
72.8%	5,253	5,340	87	1.7%
74.1%	5,228	5,273	45	0.9%
75.3%	5,162	5,270	108	2.1%
76.5%	5,046	5,262	216	4.3%
77.8%	4,982	5,232	250	5.0%
79.0%	4,963	5,154	191	3.9%
80.2%	4,961	5,142	181	3.6%
81.5%	4,948	5,071	123	2.5%
82.7%	4,869	5,063	195	4.0%
84.0%	4,832	5,046	214	4.4%
85.2%	4,728	4,997	270	5.7%
86.4%	4,682	4,988	305	6.5%
87.7%	4,610	4,930	320	6.9%
88.9%	4,434	4,755	321	7.2%
90.1%	4,377	4,748	372	8.5%
91.4%	4,351	4,576	225	5.2%
92.6%	4,045	4,564	520	12.9%
93.8%	4,041	4,533	492	12.2%
95.1%	3,977	4,452	475	11.9%
96.3%	3,964	4,027	63	1.6%
97.5%	3,909	4,023	114	2.9%
98.8%	3,886	4,012	126	3.2%
100.0%	3,843	4,005	162	4.2%

Table SW-14-9a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
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 D	6,965	9,524	13,957	19,530	23,932	17,940	11,287	8,275	8,395	10,126	7,854	8,850
Difference	731	662	-590	-1,715	-1,566	-2,019	-374	-110	533	1,355	577	784
Percent Difference[3]	11.7%	7.5%	-4.1%	-8.1%	-6.1%	-10.1%	-3.2%	-1.3%	6.8%	15.5%	7.9%	9.7%
	Water Year Types[2]											
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 D	8,749	11,995	14,543	36,555	41,417	31,655	18,932	12,009	9,400	9,737	7,518	13,417
Difference	1,335	582	-794	-1,902	-1,560	-1,383	-306	-182	611	1,129	-4	905
Percent Difference	18.0%	5.1%	-5.2%	-4.9%	-3.6%	-4.2%	-1.6%	-1.5%	7.0%	13.1%	0.0%	7.2%
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 D	7,096	12,219	13,955	21,199	30,168	21,108	11,081	8,529	7,818	10,980	7,759	8,819
Difference	885	1,200	-881	-3,292	-2,231	-2,812	-891	-375	-46	1,893	627	660
Percent Difference	14.2%	10.9%	-5.9%	-13.4%	-6.9%	-11.8%	-7.4%	-4.2%	-0.6%	20.8%	8.8%	8.1%
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 D	6,626	8,709	16,030	10,787	15,753	9,570	8,054	6,550	7,457	10,046	7,392	6,141
Difference	865	627	-549	-2,177	-1,404	-2,602	-728	-237	213	1,806	675	854
Percent Difference	15.0%	7.8%	-3.3%	-16.8%	-8.2%	-21.4%	-8.3%	-3.5%	2.9%	21.9%	10.0%	16.1%
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 D	5,749	7,650	16,000	8,646	11,786	9,438	6,410	6,034	8,102	10,543	8,570	6,450
Difference	130	781	-82	-797	-1,626	-2,752	-288	174	767	1,483	1,116	847
Percent Difference	2.3%	11.4%	-0.5%	-8.4%	-12.1%	-22.6%	-4.3%	3.0%	10.5%	16.4%	15.0%	15.1%
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 D	5,186	5,235	7,208	7,500	7,569	7,574	6,019	5,304	8,329	9,579	8,144	5,746
Difference	15	156	-667	-572	-1,015	-822	283	30	967	589	864	473
Percent Difference	0.3%	3.1%	-8.5%	-7.1%	-11.8%	-9.8%	4.9%	0.6%	13.1%	6.6%	11.9%	9.0%

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-14-9b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

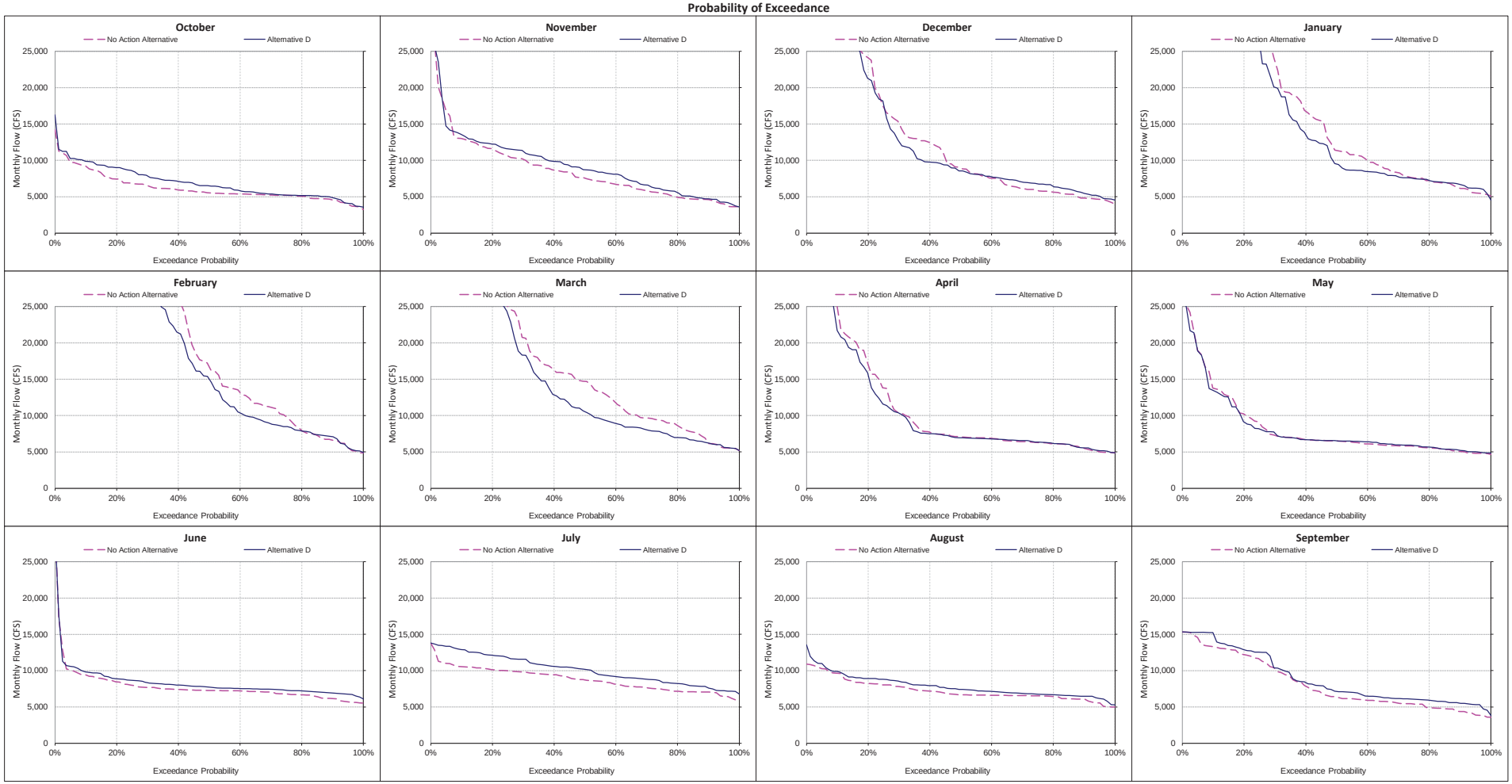

Table SW-14-9b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,202	16,260	2,059	14.5%
1.2%	11,267	11,524	257	2.3%
2.5%	11,029	11,251	222	2.0%
3.7%	10,674	11,228	554	5.2%
4.9%	9,728	10,269	540	5.6%
6.2%	9,703	10,267	563	5.8%
7.4%	9,515	10,137	623	6.5%
8.6%	9,336	10,070	735	7.9%
9.9%	9,236	9,874	638	6.9%
11.1%	8,839	9,840	1,001	11.3%
12.3%	8,677	9,788	1,111	12.8%
13.6%	8,614	9,389	775	9.0%
14.8%	8,331	9,359	1,029	12.3%
16.0%	7,832	9,326	1,493	19.1%
17.3%	7,676	9,075	1,399	18.2%
18.5%	7,475	9,061	1,586	21.2%
19.8%	7,420	9,016	1,596	21.5%
21.0%	7,420	8,991	1,571	21.2%
22.2%	6,924	8,838	1,914	27.6%
23.5%	6,913	8,676	1,763	25.5%
24.7%	6,873	8,630	1,757	25.6%
25.9%	6,783	8,419	1,636	24.1%
27.2%	6,740	8,043	1,302	19.3%
28.4%	6,721	8,013	1,292	19.2%
29.6%	6,589	7,976	1,387	21.1%
30.9%	6,382	7,652	1,270	19.9%
32.1%	6,216	7,584	1,367	22.0%
33.3%	6,178	7,491	1,314	21.3%
34.6%	6,154	7,366	1,213	19.7%
35.8%	6,144	7,266	1,122	18.3%
37.0%	6,118	7,250	1,132	18.5%
38.3%	6,106	7,214	1,109	18.2%
39.5%	5,972	7,167	1,195	20.0%
40.7%	5,908	7,053	1,145	19.4%
42.0%	5,885	6,982	1,097	18.6%
43.2%	5,810	6,977	1,167	20.1%
44.4%	5,805	6,911	1,106	19.1%
45.7%	5,687	6,665	978	17.2%
46.9%	5,648	6,533	885	15.7%
48.1%	5,646	6,523	877	15.5%
49.4%	5,541	6,512	971	17.5%
50.6%	5,525	6,474	949	17.2%
51.9%	5,494	6,454	960	17.5%
53.1%	5,474	6,384	910	16.6%
54.3%	5,458	6,252	794	14.5%
55.6%	5,407	6,221	815	15.1%
56.8%	5,404	6,214	810	15.0%
58.0%	5,395	5,949	554	10.3%
59.3%	5,374	5,911	537	10.0%
60.5%	5,373	5,743	370	6.9%
61.7%	5,360	5,693	333	6.2%
63.0%	5,336	5,690	353	6.6%
64.2%	5,322	5,647	324	6.1%
65.4%	5,314	5,545	231	4.3%
66.7%	5,291	5,475	184	3.5%
67.9%	5,273	5,446	173	3.3%
69.1%	5,237	5,392	155	3.0%
70.4%	5,236	5,381	145	2.8%
71.6%	5,211	5,308	97	1.9%
72.8%	5,204	5,257	53	1.0%
74.1%	5,202	5,243	41	0.8%
75.3%	5,185	5,215	30	0.6%
76.5%	5,160	5,211	51	1.0%
77.8%	5,109	5,210	101	2.0%
79.0%	5,084	5,176	92	1.8%
80.2%	5,055	5,169	114	2.3%
81.5%	5,042	5,169	126	2.5%
82.7%	4,795	5,154	359	7.5%
84.0%	4,755	5,121	366	7.7%
85.2%	4,731	5,116	384	8.1%
86.4%	4,713	5,038	325	6.9%
87.7%	4,708	5,013	304	6.5%
88.9%	4,676	4,990	314	6.7%
90.1%	4,552	4,855	303	6.6%
91.4%	4,517	4,715	198	4.4%
92.6%	4,210	4,574	364	8.6%
93.8%	4,186	4,155	-31	-0.8%
95.1%	3,897	4,082	185	4.7%
96.3%	3,710	4,066	356	9.6%
97.5%	3,673	3,704	31	0.8%
98.8%	3,581	3,658	77	2.1%
100.0%	3,225	3,577	351	10.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,314	37,579	-4,735	-11.2%
1.2%	26,322	25,801	-521	-2.0%
2.5%	20,070	23,523	3,453	17.2%
3.7%	18,483	18,541	58	0.3%
4.9%	16,842	14,741	-2,102	-12.5%
6.2%	16,132	14,169	-1,963	-12.2%
7.4%	13,510	14,014	504	3.7%
8.6%	13,069	13,830	760	5.8%
9.9%	13,002	13,594	591	4.5%
11.1%	12,862	13,311	449	3.5%
12.3%	12,655	12,948	293	2.3%
13.6%	12,525	12,900	375	3.0%
14.8%	12,349	12,638	288	2.3%
16.0%	11,895	12,444	548	4.6%
17.3%	11,871	12,375	504	4.2%
18.5%	11,664	12,362	698	6.0%
19.8%	11,635	12,244	609	5.2%
21.0%	11,341	12,205	864	7.6%
22.2%	11,075	11,934	859	7.8%
23.5%	10,860	11,686	826	7.6%
24.7%	10,692	11,626	934	8.7%
25.9%	10,383	11,565	1,182	11.4%
27.2%	10,333	11,432	1,100	10.6%
28.4%	10,259	11,416	1,157	11.3%
29.6%	10,215	11,375	1,160	11.4%
30.9%	9,988	10,972	983	9.8%
32.1%	9,537	10,778	1,241	13.0%
33.3%	9,365	10,708	1,343	14.3%
34.6%	9,357	10,596	1,239	13.2%
35.8%	9,291	10,538	1,247	13.4%
37.0%	8,911	10,157	1,246	14.0%
38.3%	8,889	9,945	1,056	11.9%
39.5%	8,703	9,878	1,176	13.5%
40.7%	8,640	9,857	1,217	14.1%
42.0%	8,509	9,797	1,288	15.1%
43.2%	8,409	9,463	1,055	12.5%
44.4%	8,407	9,383	976	11.6%
45.7%	8,350	9,123	772	9.3%
46.9%	7,709	9,104	1,395	18.1%
48.1%	7,647	9,048	1,401	18.3%
49.4%	7,641	8,742	1,101	14.4%
50.6%	7,477	8,701	1,225	16.4%
51.9%	7,344	8,643	1,299	17.7%
53.1%	7,187	8,546	1,359	18.9%
54.3%	7,144	8,395	1,251	17.5%
55.6%	7,085	8,372	1,287	18.2%
56.8%	7,046	8,232	1,186	16.8%
58.0%	6,876	8,184	1,309	19.0%
59.3%	6,758	8,115	1,357	20.1%
60.5%	6,682	8,111	1,429	21.4%
61.7%	6,625	7,913	1,288	19.4%
63.0%	6,571	7,544	973	14.8%
64.2%	6,558	7,309	751	11.5%
65.4%	6,232	7,161	930	14.9%
66.7%	6,075	7,085	1,010	16.6%
67.9%	6,004	6,741	737	12.3%
69.1%	5,907	6,639	733	12.4%
70.4%	5,791	6,611	820	14.2%
71.6%	5,656	6,317	661	11.7%
72.8%	5,607	6,180	573	10.2%
74.1%	5,564	6,149	585	10.5%
75.3%	5,444	5,939	495	9.1%
76.5%	5,376	5,872	496	9.2%
77.8%	5,162	5,806	644	12.5%
79.0%	5,030	5,765	735	14.6%
80.2%	4,870	5,522	652	13.4%
81.5%	4,858	5,134	276	5.7%
82.7%	4,725	5,113	388	8.2%
84.0%	4,697	5,109	413	8.8%
85.2%	4,667	4,980	313	6.7%
86.4%	4,655	4,841	186	4.0%
87.7%	4,642	4,825	184	4.0%
88.9%	4,629	4,726	97	2.1%
90.1%	4,616	4,712	95	2.1%
91.4%	4,461	4,658	197	4.4%
92.6%	4,308	4,645	337	7.8%
93.8%	4,082	4,258	176	4.3%
95.1%	4,003	4,249	246	6.1%
96.3%	3,674	4,186	512	13.9%
97.5%	3,640	3,966	326	9.0%
98.8%	3,631	3,753	122	3.4%
100.0%	3,623	3,598	-25	-0.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,762	61,842	80	0.1%
1.2%	52,867	51,788	-1,079	-2.0%
2.5%	43,545	42,161	-1,383	-3.2%
3.7%	43,093	41,259	-1,834	-4.3%
4.9%	41,211	39,499	-1,711	-4.2%
6.2%	39,983	38,221	-1,763	-4.4%
7.4%	39,150	33,723	-5,427	-13.9%
8.6%	36,633	33,177	-3,456	-9.4%
9.9%	31,832	30,690	-1,141	-3.6%
11.1%	30,640	30,474	-166	-0.5%
12.3%	30,000	27,542	-2,458	-8.2%
13.6%	29,163	26,526	-2,637	-9.0%
14.8%	28,219	26,353	-1,865	-6.6%
16.0%	27,201	26,139	-1,062	-3.9%
17.3%	25,261	24,923	-337	-1.3%
18.5%	24,488	22,414	-2,073	-8.5%
19.8%	24,185	21,275	-2,909	-12.0%
21.0%	23,752	20,974	-2,778	-11.7%
22.2%	19,912	19,253	-659	-3.3%
23.5%	19,097	18,436	-661	-3.5%
24.7%	17,569	18,170	601	3.4%
25.9%	16,568	15,766	-802	-4.8%
27.2%	16,154	14,300	-1,854	-11.5%
28.4%	15,742	13,759	-1,982	-12.6%
29.6%	15,402	12,771	-2,631	-17.1%
30.9%	14,309	12,021	-2,288	-16.0%
32.1%	13,417	11,869	-1,549	-11.5%
33.3%	13,111	11,740	-1,371	-10.5%
34.6%	13,031	11,289	-1,741	-13.4%
35.8%	12,995	10,235	-2,760	-21.2%
37.0%	12,702	10,103	-2,600	-20.5%
38.3%	12,689	9,797	-2,892	-22.8%
39.5%	12,528	9,764	-2,764	-22.1%
40.7%	12,269	9,748	-2,521	-20.5%
42.0%	11,992	9,716	-2,276	-19.0%
43.2%	11,756	9,591	-2,165	-18.4%
44.4%	10,928	9,396	-1,531	-14.0%
45.7%	9,541	9,363	-178	-1.9%
46.9%	9,527	8,958	-569	-6.0%
48.1%	9,108	8,940	-168	-1.8%
49.4%	9,082	8,566	-516	-5.7%
50.6%	8,843	8,566	-278	-3.1%
51.9%	8,780	8,376	-404	-4.6%
53.1%	8,313	8,172	-141	-1.7%
54.3%	8,179	8,108	-70	-0.9%
55.6%	8,139	8,072	-67	-0.8%
56.8%	7,877	8,051	175	2.2%
58.0%	7,828	7,816	-12	-0.2%
59.3%	7,562	7,813	251	3.3%
60.5%	7,541	7,687	146	1.9%
61.7%	7,532	7,645	113	1.5%
63.0%	7,269	7,551	282	3.9%
64.2%	6,702	7,419	717	10.7%
65.4%	6,520	7,383	863	13.2%
66.7%	6,426	7,339	913	14.2%
67.9%	6,344	7,252	909	14.3%
69.1%	6,190	7,099	909	14.7%
70.4%	6,090	6,997	907	14.9%
71.6%	6,003	6,953	950	15.8%
72.8%	5,999	6,866	867	14.5%
74.1%	5,998	6,852	853	14.2%
75.3%	5,792	6,731	938	16.2%
76.5%	5,763	6,723	960	16.7%
77.8%	5,749	6,670	921	16.0%
79.0%	5,671	6,657	986	17.4%
80.2%	5,606	6,348	743	13.2%
81.5%	5,592	6,333	741	13.2%
82.7%	5,415	6,173	758	14.0%
84.0%	5,358	6,094	735	13.7%
85.2%	5,346	6,027	681	12.7%
86.4%	5,325	5,897	572	10.7%
87.7%	5,029	5,741	712	14.2%
88.9%	4,819	5,605	787	16.3%
90.1%	4,809	5,437	628	13.1%
91.4%	4,756	5,354	598	12.6%
92.6%	4,729	5,211	482	10.2%
93.8%	4,688	5,193	505	10.8%
95.1%	4,658	5,053	395	8.5%
96.3%	4,593	4,763	171	3.7%
97.5%	4,445	4,727	282	6.3%
98.8%	4,216	4,689	472	11.2%
100.0%	3,979	4,531	553	13.9%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,430	83,037	-393	-0.5%
1.2%	70,938	69,612	-1,327	-1.9%
2.5%	70,411	68,004	-2,407	-3.4%
3.7%	69,603	67,916	-1,687	-2.4%
4.9%	63,527	63,723	196	0.3%
6.2%	62,575	60,829	-1,746	-2.8%
7.4%	60,183	60,624	441	0.7%
8.6%	60,134	54,603	-5,531	-9.2%
9.9%	48,603	45,091	-3,512	-7.2%
11.1%	45,100	44,186	-915	-2.0%
12.3%	43,109	38,765	-4,345	-10.1%
13.6%	42,619	36,585	-6,034	-14.2%
14.8%	40,661	36,462	-4,198	-10.3%
16.0%	40,179	36,191	-3,988	-9.9%
17.3%	39,837	36,127	-3,710	-9.3%
18.5%	37,539	32,746	-4,793	-12.8%
19.8%	36,084	31,704	-4,380	-12.1%
21.0%	33,867	30,561	-3,305	-9.8%
22.2%	31,276	28,266	-3,010	-9.6%
23.5%	30,694	27,717	-2,977	-9.7%
24.7%	30,000	27,086	-2,914	-9.7%
25.9%	28,235	23,291	-4,944	-17.5%
27.2%	27,623	23,257	-4,366	-15.8%
28.4%	26,100	21,703	-4,397	-16.8%
29.6%	24,068	20,088	-3,980	-16.5%
30.9%	22,358	19,918	-2,439	-10.9%
32.1%	19,677	18,748	-930	-4.7%
33.3%	19,417	18,732	-685	-3.5%
34.6%	19,319	16,287	-3,032	-15.7%
35.8%	18,929	15,566	-3,363	-17.8%
37.0%	18,728	15,355	-3,373	-18.0%
38.3%	18,165	14,298	-3,867	-21.3%
39.5%	16,886	13,875	-3,011	-17.8%
40.7%	16,491	12,973	-3,517	-21.3%
42.0%	16,023	12,765	-3,258	-20.3%
43.2%	15,661	12,720	-2,941	-18.8%
44.4%	15,479	12,362	-3,117	-20.1%
45.7%	15,365	12,304	-3,061	-19.9%
46.9%	13,120	12,047	-1,073	-8.2%
48.1%	12,357	10,402	-1,954	-15.8%
49.4%	11,407	9,555	-1,851	-16.2%
50.6%	11,292	9,435	-1,858	-16.4%
51.9%	11,208	8,930	-2,277	-20.3%
53.1%	11,188	8,678	-2,510	-22.4%
54.3%	10,779	8,663	-2,116	-19.6%
55.6%	10,769	8,641	-2,127	-19.8%
56.8%	10,680	8,616	-2,064	-19.3%
58.0%	10,561	8,609	-1,952	-18.5%
59.3%	10,220	8,487	-1,733	-17.0%
60.5%	9,749	8,432	-1,318	-13.5%
61.7%	9,737	8,419	-1,318	-13.5%
63.0%	9,429	8,386	-1,043	-11.1%
64.2%	9,267	8,251	-1,016	-11.0%
65.4%	8,915	8,187	-728	-8.2%
66.7%	8,780	7,921	-859	-9.8%
67.9%	8,394	7,911	-483	-5.8%
69.1%	8,373	7,889	-484	-5.8%
70.4%	8,287	7,678	-609	-7.3%
71.6%	7,916	7,624	-292	-3.7%
72.8%	7,765	7,595	-170	-2.2%
74.1%	7,636	7,582	-54	-0.7%
75.3%	7,565	7,469	-96	-1.3%
76.5%	7,551	7,429	-122	-1.6%
77.8%	7,536	7,400	-136	-1.8%
79.0%	7,224	7,399	176	2.4%
80.2%	7,222	7,206	-16	-0.2%
81.5%	7,018	7,100	82	1.2%
82.7%	6,982	7,065	83	1.2%
84.0%	6,924	7,008	84	1.2%
85.2%	6,924	6,961	37	0.5%
86.4%	6,873	6,882	9	0.1%
87.7%	6,604	6,873	269	4.1%
88.9%	6,322	6,821	499	7.9%
90.1%	6,134	6,652	517	8.4%
91.4%	6,129	6,521	392	6.4%
92.6%	6,018	6,200	182	3.0%
93.8%	5,595	6,184	589	10.5%
95.1%	5,503	6,166	663	12.0%
96.3%	5,473	6,131	658	12.0%
97.5%	5,398	6,004	605	11.2%
98.8%	5,306	5,427	121	2.3%
100.0%	5,083	4,547	-536	-10.6%

Table SW-14-9b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,791	91,652	-139	-0.2%
1.2%	91,357	91,357	0	0.0%
2.5%	79,870	80,820	950	1.2%
3.7%	72,402	72,400	-2	0.0%
4.9%	66,866	66,690	-176	-0.3%
6.2%	65,508	65,514	6	0.0%
7.4%	65,491	61,798	-3,693	-5.6%
8.6%	61,080	59,937	-1,143	-1.9%
9.9%	60,171	59,565	-606	-1.0%
11.1%	59,907	55,711	-4,196	-7.0%
12.3%	57,699	54,187	-3,512	-6.1%
13.6%	53,906	50,984	-2,922	-5.4%
14.8%	50,976	49,723	-1,252	-2.5%
16.0%	43,038	41,450	-1,588	-3.7%
17.3%	40,663	38,514	-2,149	-5.3%
18.5%	40,060	37,497	-2,563	-6.4%
19.8%	39,930	36,845	-3,084	-7.7%
21.0%	39,723	36,138	-3,585	-9.0%
22.2%	37,879	35,629	-2,250	-5.9%
23.5%	37,675	34,454	-3,221	-8.5%
24.7%	33,030	31,201	-1,829	-5.5%
25.9%	30,646	30,353	-292	-1.0%
27.2%	30,372	30,267	-105	-0.3%
28.4%	30,356	30,000	-356	-1.2%
29.6%	29,908	28,814	-1,094	-3.7%
30.9%	29,558	28,288	-1,270	-4.3%
32.1%	29,343	26,318	-3,025	-10.3%
33.3%	28,088	25,874	-2,214	-7.9%
34.6%	26,803	24,925	-1,877	-7.0%
35.8%	26,357	24,570	-1,787	-6.8%
37.0%	26,267	22,890	-3,377	-12.9%
38.3%	26,169	22,338	-3,830	-14.6%
39.5%	25,890	21,513	-4,377	-16.9%
40.7%	25,463	21,228	-4,234	-16.6%
42.0%	24,211	19,946	-4,265	-17.6%
43.2%	21,847	17,876	-3,971	-18.2%
44.4%	19,740	17,166	-2,575	-13.0%
45.7%	18,556	16,130	-2,426	-13.1%
46.9%	17,701	16,087	-1,614	-9.1%
48.1%	17,490	15,460	-2,030	-11.6%
49.4%	17,233	15,402	-1,830	-10.6%
50.6%	16,225	14,599	-1,626	-10.0%
51.9%	16,132	13,565	-2,567	-15.9%
53.1%	15,562	13,347	-2,215	-14.2%
54.3%	14,077	12,171	-1,905	-13.5%
55.6%	13,956	11,757	-2,199	-15.8%
56.8%	13,799	11,235	-2,564	-18.6%
58.0%	13,675	11,197	-2,478	-18.1%
59.3%	13,528	10,499	-3,028	-22.4%
60.5%	12,864	10,254	-2,610	-20.3%
61.7%	12,760	9,987	-2,773	-21.7%
63.0%	12,380	9,858	-2,522	-20.4%
64.2%	11,696	9,780	-1,916	-16.4%
65.4%	11,676	9,550	-2,126	-18.2%
66.7%	11,537	9,402	-2,135	-18.5%
67.9%	11,316	9,145	-2,171	-19.2%
69.1%	11,251	9,006	-2,246	-20.0%
70.4%	11,086	8,805	-2,281	-20.6%
71.6%	10,949	8,724	-2,226	-20.3%
72.8%	10,251	8,627	-1,624	-15.8%
74.1%	10,117	8,493	-1,624	-16.1%
75.3%	9,745	8,469	-1,276	-13.1%
76.5%	9,194	8,349	-845	-9.2%
77.8%	8,657	8,034	-623	-7.2%
79.0%	8,307	7,969	-337	-4.1%
80.2%	7,832	7,862	30	0.4%
81.5%	7,598	7,831	233	3.1%
82.7%	7,509	7,730	222	3.0%
84.0%	7,465	7,398	-67	-0.9%
85.2%	7,226	7,377	151	2.1%
86.4%	6,873	7,283	410	6.0%
87.7%	6,723	7,218	494	7.4%
88.9%	6,717	7,160	443	6.6%
90.1%	6,595	7,098	502	7.6%
91.4%	6,576	6,819	243	3.7%
92.6%	6,213	6,170	-43	-0.7%
93.8%	6,172	6,060	-112	-1.8%
95.1%	5,535	5,537	2	0.0%
96.3%	5,155	5,297	142	2.8%
97.5%	5,134	5,161	27	0.5%
98.8%	4,871	5,120	249	5.1%
100.0%	4,864	4,932	69	1.4%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	86,753	0	0.0%
1.2%	80,957	77,412	-3,545	-4.4%
2.5%	72,387	71,599	-788	-1.1%
3.7%	62,138	62,131	-7	0.0%
4.9%	51,292	51,260	-32	-0.1%
6.2%	51,258	46,994	-4,264	-8.3%
7.4%	50,574	44,619	-5,955	-11.8%
8.6%	43,894	41,291	-2,604	-5.9%
9.9%	42,181	38,065	-4,115	-9.8%
11.1%	39,592	37,943	-1,649	-4.2%
12.3%	39,103	33,137	-5,966	-15.3%
13.6%	32,695	31,875	-820	-2.5%
14.8%	30,218	29,216	-1,002	-3.3%
16.0%	29,208	29,082	-126	-0.4%
17.3%	28,908	27,560	-1,348	-4.7%
18.5%	27,569	27,426	-143	-0.5%
19.8%	27,422	26,925	-497	-1.8%
21.0%	26,585	25,485	-1,100	-4.1%
22.2%	26,250	25,411	-839	-3.2%
23.5%	25,410	25,192	-218	-0.9%
24.7%	25,167	24,362	-805	-3.2%
25.9%	24,560	22,863	-1,698	-6.9%
27.2%	24,357	20,671	-3,686	-15.1%
28.4%	23,242	18,871	-4,372	-18.8%
29.6%	20,767	18,308	-2,459	-11.8%
30.9%	20,610	18,284	-2,327	-11.3%
32.1%	18,879	17,246	-1,633	-8.6%
33.3%	18,185	15,946	-2,239	-12.3%
34.6%	18,000	15,361	-2,639	-14.7%
35.8%	17,293	14,776	-2,517	-14.6%
37.0%	17,002	14,775	-2,227	-13.1%
38.3%	16,845	13,793	-3,053	-18.1%
39.5%	16,480	12,924	-3,555	-21.6%
40.7%	15,949	12,688	-3,261	-20.4%
42.0%	15,942	12,284	-3,658	-22.9%
43.2%	15,829	12,236	-3,594	-22.7%
44.4%	15,792	11,829	-3,963	-25.1%
45.7%	15,676	11,251	-4,426	-28.2%
46.9%	15,028	11,079	-3,950	-26.3%
48.1%	14,827	11,021	-3,807	-25.7%
49.4%	14,736	10,643	-4,093	-27.8%
50.6%	14,697	10,401	-4,296	-29.2%
51.9%	14,225	10,109	-4,116	-28.9%
53.1%	13,539	9,724	-3,814	-28.2%
54.3%	13,306	9,665	-3,642	-27.4%
55.6%	13,186	9,501	-3,685	-27.9%
56.8%	12,882	9,284	-3,598	-27.9%
58.0%	12,486	9,194	-3,292	-26.4%
59.3%	12,021	8,981	-3,039	-25.3%
60.5%	11,529	8,878	-2,651	-23.0%
61.7%	11,248	8,730	-2,518	-22.4%
63.0%	10,627	8,427	-2,200	-20.7%
64.2%	10,233	8,421	-1,812	-17.7%
65.4%	10,117	8,415	-1,701	-16.8%
66.7%	10,077	8,389	-1,689	-16.8%
67.9%	9,728	8,291	-1,436	-14.8%
69.1%	9,680	8,146	-1,534	-15.8%
70.4%	9,662	8,004	-1,658	-17.2%
71.6%	9,583	7,887	-1,697	-17.7%
72.8%	9,450	7,852	-1,598	-16.9%
74.1%	9,392	7,814	-1,578	-16.8%
75.3%	9,292	7,604	-1,688	-18.2%
76.5%	8,992	7,521	-1,471	-16.4%
77.8%	8,975	7,197	-1,778	-19.8%
79.0%	8,895	6,988	-1,907	-21.4%
80.2%	8,558	6,986	-1,572	-18.4%
81.5%	8,240	6,957	-1,282	-15.6%
82.7%	8,003	6,897	-1,106	-13.8%
84.0%	7,821	6,668	-1,153	-14.7%
85.2%	7,714	6,615	-1,098	-14.2%
86.4%	7,622	6,495	-1,127	-14.8%
87.7%	7,216	6,451	-765	-10.6%
88.9%	6,909	6,330	-579	-8.4%
90.1%	6,138	6,209	71	1.2%
91.4%	6,123	6,070	-54	-0.9%
92.6%	6,017	6,010	-7	-0.1%
93.8%	5,675	5,987	312	5.5%
95.1%	5,547	5,626	78	1.4%
96.3%	5,544	5,585	41	0.7%
97.5%	5,473	5,504	31	0.6%
98.8%	5,470	5,470	0	0.0%
100.0%	5,171	5,217	46	0.9%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,950	50,014	65	0.1%
1.2%	44,653	44,647	-6	0.0%
2.5%	43,453	43,449	-3	0.0%
3.7%	34,687	34,687	1	0.0%
4.9%	32,373	32,377	4	0.0%
6.2%	26,009	26,013	4	0.0%
7.4%	25,498	25,481	-17	-0.1%
8.6%	25,192	25,150	-42	-0.2%
9.9%	25,158	21,697	-3,461	-13.8%
11.1%	21,898	20,808	-1,089	-5.0%
12.3%	21,270	20,459	-811	-3.8%
13.6%	20,828	19,357	-1,471	-7.1%
14.8%	20,451	19,059	-1,391	-6.8%
16.0%	20,089	19,040	-1,049	-5.2%
17.3%	19,031	17,351	-1,680	-8.8%
18.5%	18,972	16,697	-2,275	-12.0%
19.8%	17,324	15,882	-1,442	-8.3%
21.0%	15,704	13,831	-1,873	-11.9%
22.2%	15,660	12,975	-2,685	-17.1%
23.5%	14,992	12,366	-2,626	-17.5%
24.7%	13,832	11,600	-2,232	-16.1%
25.9%	13,763	11,368	-2,395	-17.4%
27.2%	11,907	10,914	-993	-8.3%
28.4%	10,820	10,554	-266	-2.5%
29.6%	10,446	10,412	-34	-0.3%
30.9%	10,344	10,110	-234	-2.3%
32.1%	10,004	9,776	-228	-2.3%
33.3%	9,793	8,999	-794	-8.1%
34.6%	9,100	7,913	-1,187	-13.0%
35.8%	8,547	7,773	-775	-9.1%
37.0%	7,910	7,587	-323	-4.1%
38.3%	7,803	7,582	-221	-2.8%
39.5%	7,764	7,500	-263	-3.4%
40.7%	7,583	7,493	-90	-1.2%
42.0%	7,475	7,481	6	0.1%
43.2%	7,447	7,435	-12	-0.2%
44.4%	7,447	7,289	-158	-2.1%
45.7%	7,419	7,264	-155	-2.1%
46.9%	7,187	7,101	-87	-1.2%
48.1%	7,126	6,989	-137	-1.9%
49.4%	7,105	6,956	-149	-2.1%
50.6%	7,031	6,956	-74	-1.1%
51.9%	7,024	6,929	-95	-1.4%
53.1%	6,986	6,924	-62	-0.9%
54.3%	6,976	6,887	-88	-1.3%
55.6%	6,958	6,844	-114	-1.6%
56.8%	6,947	6,841	-105	-1.5%
58.0%	6,929	6,796	-133	-1.9%
59.3%	6,892	6,791	-101	-1.5%
60.5%	6,832	6,770	-62	-0.9%
61.7%	6,812	6,766	-46	-0.7%
63.0%	6,641	6,723	82	1.2%
64.2%	6,541	6,704	163	2.5%
65.4%	6,507	6,642	135	2.1%
66.7%	6,489	6,639	151	2.3%
67.9%	6,441	6,588	147	2.3%
69.1%	6,419	6,579	159	2.5%
70.4%	6,410	6,573	163	2.5%
71.6%	6,407	6,557	150	2.3%
72.8%	6,361	6,453	93	1.5%
74.1%	6,297	6,356	58	0.9%
75.3%	6,288	6,354	66	1.0%
76.5%	6,282	6,312	30	0.5%
77.8%	6,246	6,298	52	0.8%
79.0%	6,144	6,247	103	1.7%
80.2%	6,129	6,156	28	0.5%
81.5%	6,108	6,145	37	0.6%
82.7%	6,097	6,125	28	0.5%
84.0%	6,030	6,086	56	0.9%
85.2%	5,881	6,052	171	2.9%
86.4%	5,841	5,818	-23	-0.4%
87.7%	5,805	5,667	-138	-2.4%
88.9%	5,599	5,596	-3	0.0%
90.1%	5,477	5,546	69	1.3%
91.4%	5,336	5,545	209	3.9%
92.6%	5,195	5,351	156	3.0%
93.8%	5,189	5,221	32	0.6%
95.1%	4,973	5,183	210	4.2%
96.3%	4,947	5,176	229	4.6%
97.5%	4,928	5,085	157	3.2%
98.8%	4,905	4,922	18	0.4%
100.0%	4,864	4,905	41	0.8%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,548	26,548	-1	0.0%
1.2%	25,224	24,925	-300	-1.2%
2.5%	24,224	21,666	-2,558	-10.6%
3.7%	21,662	21,385	-276	-1.3%
4.9%	18,981	18,868	-113	-0.6%
6.2%	18,383	18,273	-110	-0.6%
7.4%	16,707	16,591	-116	-0.7%
8.6%	16,084	13,728	-2,356	-14.7%
9.9%	13,796	13,461	-336	-2.4%
11.1%	13,654	13,231	-423	-3.1%
12.3%	13,491	12,922	-569	-4.2%
13.6%	12,922	12,598	-323	-2.5%
14.8%	12,707	12,560	-148	-1.2%
16.0%	12,558	11,220	-1,338	-10.7%
17.3%	11,551	11,211	-340	-2.9%
18.5%	10,366	10,354	-12	-0.1%
19.8%	10,249	9,174	-1,075	-10.5%
21.0%	9,926	8,829	-1,097	-11.1%
22.2%	9,624	8,710	-914	-9.5%
23.5%	9,240	8,238	-1,001	-10.8%
24.7%	9,129	8,186	-943	-10.3%
25.9%	8,442	7,992	-450	-5.3%
27.2%	8,090	7,773	-317	-3.9%
28.4%	7,426	7,772	346	4.7%
29.6%	7,321	7,743	422	5.8%
30.9%	7,161	7,175	14	0.2%
32.1%	7,160	7,039	-121	-1.7%
33.3%	7,007	7,006	-2	0.0%
34.6%	6,999	6,980	-19	-0.3%
35.8%	6,975	6,932	-43	-0.6%
37.0%	6,934	6,880	-54	-0.8%
38.3%	6,823	6,704	-119	-1.7%
39.5%	6,714	6,702	-12	-0.2%
40.7%	6,650	6,668	18	0.3%
42.0%	6,634	6,653	19	0.3%
43.2%	6,599	6,601	2	0.0%
44.4%	6,583	6,584	1	0.0%
45.7%	6,580	6,573	-7	-0.1%
46.9%	6,531	6,567	36	0.5%
48.1%	6,514	6,549	35	0.5%
49.4%	6,513	6,548	35	0.5%
50.6%	6,483	6,502	19	0.3%
51.9%	6,459	6,500	42	0.6%
53.1%	6,426	6,482	56	0.9%
54.3%	6,393	6,481	87	1.4%
55.6%	6,316	6,457	140	2.2%
56.8%	6,267	6,442	175	2.8%
58.0%	6,186	6,421	234	3.8%
59.3%	6,103	6,381	277	4.5%
60.5%	6,095	6,375	280	4.6%
61.7%	6,067	6,312	244	4.0%
63.0%	6,045	6,305	260	4.3%
64.2%	5,975	6,137	162	2.7%
65.4%	5,925	6,128	203	3.4%
66.7%	5,905	6,089	183	3.1%
67.9%	5,873	6,074	201	3.4%
69.1%	5,859	5,975	116	2.0%
70.4%	5,840	5,972	132	2.3%
71.6%	5,828	5,944	116	2.0%
72.8%	5,826	5,933	107	1.8%
74.1%	5,821	5,923	102	1.8%
75.3%	5,773	5,853	80	1.4%
76.5%	5,675	5,828	153	2.7%
77.8%	5,628	5,698	70	1.3%
79.0%	5,567	5,697	130	2.3%
80.2%	5,532	5,663	131	2.4%
81.5%	5,523	5,606	83	1.5%
82.7%	5,503	5,528	25	0.5%
84.0%	5,405	5,401	-3	-0.1%
85.2%	5,340	5,376	36	0.7%
86.4%	5,335	5,361	26	0.5%
87.7%	5,165	5,333	168	3.2%
88.9%	5,135	5,295	160	3.1%
90.1%	5,043	5,205	162	3.2%
91.4%	5,021	5,153	131	2.6%
92.6%	4,847	5,028	181	3.7%
93.8%	4,842	5,016	175	3.6%
95.1%	4,825	5,010	185	3.8%
96.3%	4,818	4,950	132	2.7%
97.5%	4,810	4,886	76	1.6%
98.8%	4,774	4,862	88	1.8%
100.0%	4,659	4,851	192	4.1%

Table SW-14-9b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,799	29,603	-196	-0.7%
1.2%	17,315	17,730	415	2.4%
2.5%	12,805	11,274	-1,531	-12.0%
3.7%	10,241	10,689	449	4.4%
4.9%	10,063	10,600	537	5.3%
6.2%	9,905	10,524	619	6.3%
7.4%	9,664	10,298	634	6.6%
8.6%	9,431	10,004	574	6.1%
9.9%	9,425	9,825	400	4.2%
11.1%	9,217	9,765	548	5.9%
12.3%	9,200	9,689	490	5.3%
13.6%	8,993	9,688	695	7.7%
14.8%	8,959	9,627	668	7.5%
16.0%	8,832	9,216	383	4.3%
17.3%	8,663	9,151	488	5.6%
18.5%	8,636	8,949	313	3.6%
19.8%	8,470	8,890	419	5.0%
21.0%	8,405	8,843	438	5.2%
22.2%	8,140	8,800	660	8.1%
23.5%	8,090	8,690	599	7.4%
24.7%	8,007	8,683	676	8.4%
25.9%	7,918	8,625	707	8.9%
27.2%	7,740	8,595	855	11.0%
28.4%	7,718	8,526	808	10.5%
29.6%	7,697	8,344	647	8.4%
30.9%	7,691	8,292	601	7.8%
32.1%	7,674	8,224	550	7.2%
33.3%	7,568	8,205	638	8.4%
34.6%	7,525	8,184	659	8.8%
35.8%	7,471	8,119	648	8.7%
37.0%	7,465	8,095	630	8.4%
38.3%	7,447	8,092	645	8.7%
39.5%	7,412	8,019	608	8.2%
40.7%	7,402	7,995	592	8.0%
42.0%	7,355	7,986	631	8.6%
43.2%	7,342	7,894	552	7.5%
44.4%	7,327	7,865	538	7.3%
45.7%	7,313	7,841	528	7.2%
46.9%	7,299	7,818	519	7.1%
48.1%	7,293	7,804	512	7.0%
49.4%	7,265	7,745	481	6.6%
50.6%	7,262	7,692	431	5.9%
51.9%	7,253	7,619	366	5.0%
53.1%	7,248	7,612	364	5.0%
54.3%	7,238	7,598	361	5.0%
55.6%	7,223	7,582	359	5.0%
56.8%	7,222	7,582	360	5.0%
58.0%	7,221	7,556	335	4.6%
59.3%	7,220	7,540	320	4.4%
60.5%	7,212	7,534	322	4.5%
61.7%	7,179	7,532	353	4.9%
63.0%	7,141	7,512	371	5.2%
64.2%	7,137	7,498	361	5.1%
65.4%	7,128	7,465	337	4.7%
66.7%	7,079	7,465	386	5.5%
67.9%	7,060	7,455	395	5.6%
69.1%	7,047	7,445	399	5.7%
70.4%	7,042	7,418	377	5.3%
71.6%	6,830	7,407	577	8.4%
72.8%	6,826	7,405	579	8.5%
74.1%	6,812	7,300	487	7.1%
75.3%	6,781	7,282	501	7.4%
76.5%	6,707	7,246	540	8.0%
77.8%	6,706	7,229	523	7.8%
79.0%	6,657	7,224	566	8.5%
80.2%	6,655	7,205	550	8.3%
81.5%	6,631	7,152	522	7.9%
82.7%	6,626	7,137	511	7.7%
84.0%	6,508	7,062	553	8.5%
85.2%	6,389	7,051	662	10.4%
86.4%	6,212	7,012	800	12.9%
87.7%	6,189	6,977	788	12.7%
88.9%	6,176	6,973	797	12.9%
90.1%	6,145	6,911	766	12.5%
91.4%	6,113	6,855	742	12.1%
92.6%	5,844	6,825	981	16.8%
93.8%	5,768	6,815	1,047	18.1%
95.1%	5,695	6,764	1,069	18.8%
96.3%	5,623	6,716	1,094	19.5%
97.5%	5,619	6,501	882	15.7%
98.8%	5,561	6,380	819	14.7%
100.0%	5,527	6,076	549	9.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,778	13,797	19	0.1%
1.2%	12,871	13,669	798	6.2%
2.5%	11,286	13,505	2,218	19.7%
3.7%	11,129	13,454	2,325	20.9%
4.9%	11,010	13,368	2,358	21.4%
6.2%	10,979	13,343	2,364	21.5%
7.4%	10,750	13,129	2,379	22.1%
8.6%	10,588	12,990	2,402	22.7%
9.9%	10,553	12,908	2,355	22.3%
11.1%	10,498	12,876	2,379	22.7%
12.3%	10,482	12,565	2,083	19.9%
13.6%	10,474	12,540	2,066	19.7%
14.8%	10,384	12,516	2,132	20.5%
16.0%	10,372	12,442	2,071	20.0%
17.3%	10,313	12,251	1,938	18.8%
18.5%	10,231	12,161	1,931	18.9%
19.8%	10,116	12,132	2,015	19.9%
21.0%	10,106	12,043	1,938	19.2%
22.2%	10,030	12,031	2,001	19.9%
23.5%	10,018	12,000	1,981	19.8%
24.7%	9,999	11,834	1,834	18.3%
25.9%	9,935	11,646	1,711	17.2%
27.2%	9,868	11,603	1,734	17.6%
28.4%	9,865	11,569	1,705	17.3%
29.6%	9,812	11,560	1,747	17.8%
30.9%	9,777	11,555	1,779	18.2%
32.1%	9,667	11,081	1,414	14.6%
33.3%	9,633	10,982	1,349	14.0%
34.6%	9,590	10,884	1,294	13.5%
35.8%	9,548	10,792	1,244	13.0%
37.0%	9,516	10,767	1,251	13.1%
38.3%	9,450	10,670	1,220	12.9%
39.5%	9,430	10,592	1,162	12.3%
40.7%	9,424	10,548	1,124	11.9%
42.0%	9,291	10,479	1,188	12.8%
43.2%	9,268	10,476	1,208	13.0%
44.4%	9,105	10,465	1,360	14.9%
45.7%	8,908	10,441	1,533	17.2%
46.9%	8,826	10,364	1,537	17.4%
48.1%	8,766	10,244	1,478	16.9%
49.4%	8,754	10,219	1,465	16.7%
50.6%	8,660	10,121	1,461	16.9%
51.9%	8,611	10,080	1,470	17.1%
53.1%	8,594	9,719	1,125	13.1%
54.3%	8,573	9,487	914	10.7%
55.6%	8,525	9,391	865	10.2%
56.8%	8,366	9,343	977	11.7%
58.0%	8,347	9,290	943	11.3%
59.3%	8,174	9,186	1,013	12.4%
60.5%	8,057	9,168	1,111	13.8%
61.7%	7,994	9,079	1,084	13.6%
63.0%	7,854	9,029	1,175	15.0%
64.2%	7,815	9,025	1,210	15.5%
65.4%	7,810	9,020	1,210	15.5%
66.7%	7,746	8,961	1,215	15.7%
67.9%	7,739	8,880	1,141	14.7%
69.1%	7,704	8,855	1,151	14.9%
70.4%	7,613	8,815	1,203	15.8%
71.6%	7,551	8,765	1,214	16.1%
72.8%	7,501	8,733	1,232	16.4%
74.1%	7,497	8,637	1,140	15.2%
75.3%	7,398	8,347	949	12.8%
76.5%	7,324	8,345	1,022	14.0%
77.8%	7,262	8,297	1,035	14.3%
79.0%	7,173	8,267	1,093	15.2%
80.2%	7,158	8,225	1,067	14.9%
81.5%	7,105	8,190	1,084	15.3%
82.7%	7,091	8,076	984	13.9%
84.0%	7,079	7,948	868	12.3%
85.2%	7,076	7,887	811	11.5%
86.4%	7,073	7,865	792	11.2%
87.7%	7,072	7,842	770	10.9%
88.9%	7,064	7,821	757	10.7%
90.1%	7,061	7,574	513	7.3%
91.4%	7,034	7,493	458	6.5%
92.6%	6,938	7,288	350	5.0%
93.8%	6,527	7,248	721	11.1%
95.1%	6,444	7,230	786	12.2%
96.3%	6,415	7,184	769	12.0%
97.5%	6,197	7,173	976	15.7%
98.8%	5,970	7,130	1,160	19.4%
100.0%	5,586	6,788	1,203	21.5%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,901	13,544	2,644	24.3%
1.2%	10,816	11,939	1,124	10.4%
2.5%	10,694	11,360	666	6.2%
3.7%	10,492	11,018	526	5.0%
4.9%	10,258	10,984	726	7.1%
6.2%	10,227	10,413	186	1.8%
7.4%	9,817	10,108	291	3.0%
8.6%	9,668	9,900	232	2.4%
9.9%	9,650	9,879	229	2.4%
11.1%	9,614	9,723	109	1.1%
12.3%	8,833	9,437	604	6.8%
13.6%	8,656	9,135	479	5.5%
14.8%	8,582	9,118	536	6.2%
16.0%	8,395	9,037	642	7.6%
17.3%	8,383	9,019	636	7.6%
18.5%	8,274	8,932	658	8.0%
19.8%	8,245	8,930	685	8.3%
21.0%	8,193	8,924	731	8.9%
22.2%	8,170	8,923	752	9.2%
23.5%	8,158	8,805	647	7.9%
24.7%	8,041	8,801	760	9.4%
25.9%	8,026	8,789	762	9.5%
27.2%	8,017	8,661	643	8.0%
28.4%	7,834	8,642	808	10.3%
29.6%	7,823	8,582	759	9.7%
30.9%	7,764	8,433	669	8.6%
32.1%	7,721	8,389	669	8.7%
33.3%	7,555	8,199	643	8.5%
34.6%	7,438	8,054	616	8.3%
35.8%	7,301	8,042	741	10.2%
37.0%	7,268	8,021	753	10.4%
38.3%	7,241	8,015	775	10.7%
39.5%	7,183	7,935	751	10.5%
40.7%	7,150	7,929	778	10.9%
42.0%	7,118	7,925	807	11.3%
43.2%	7,060	7,683	623	8.8%
44.4%	6,966	7,677	711	10.2%
45.7%	6,808	7,546	739	10.8%
46.9%	6,794	7,534	740	10.9%
48.1%	6,748	7,507	759	11.3%
49.4%	6,679	7,419	740	11.1%
50.6%	6,670	7,415	745	11.2%
51.9%	6,658	7,379	721	10.8%
53.1%	6,636	7,348	712	10.7%
54.3%	6,626	7,291	665	10.0%
55.6%	6,624	7,217	593	8.9%
56.8%	6,621	7,206	585	8.8%
58.0%	6,619	7,180	561	8.5%
59.3%	6,618	7,169	552	8.3%
60.5%	6,609	7,108	499	7.5%
61.7%	6,608	7,094	486	7.4%
63.0%	6,601	7,069	467	7.1%
64.2%	6,592	7,006	414	6.3%
65.4%	6,579	6,945	366	5.6%
66.7%	6,578	6,940	362	5.5%
67.9%	6,572	6,921	349	5.3%
69.1%	6,562	6,895	333	5.1%
70.4%	6,557	6,843	286	4.4%
71.6%	6,553	6,830	278	4.2%
72.8%	6,524	6,811	287	4.4%
74.1%	6,516	6,761	245	3.8%
75.3%	6,515	6,752	237	3.6%
76.5%	6,507	6,733	226	3.5%
77.8%	6,501	6,715	214	3.3%
79.0%	6,465	6,687	222	3.4%
80.2%	6,431	6,667	236	3.7%
81.5%	6,408	6,632	225	3.5%
82.7%	6,150	6,613	463	7.5%
84.0%	6,141	6,587	445	7.3%
85.2%	6,110	6,572	462	7.6%
86.4%	6,099	6,523	424	6.9%
87.7%	6,087	6,493	406	6.7%
88.9%	6,070	6,483	413	6.8%
90.1%	6,061	6,475	414	6.8%
91.4%	5,798	6,462	665	11.5%
92.6%	5,647	6,461	814	14.4%
93.8%	5,559	6,255	696	12.5%
95.1%	5,546	6,154	608	11.0%
96.3%	5,076	6,090	1,014	20.0%
97.5%	5,056	5,770	713	14.1%
98.8%	5,010	5,317	307	6.1%
100.0%	4,993	5,266	273	5.5%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,306	15,335	30	0.2%
1.2%	15,296	15,311	15	0.1%
2.5%	15,267	15,281	14	0.1%
3.7%	14,876	15,281	405	2.7%
4.9%	14,575	15,275	699	4.8%
6.2%	13,634	15,261	1,626	11.9%
7.4%	13,455	15,260	1,805	13.4%
8.6%	13,364	15,254	1,890	14.1%
9.9%	13,318	15,248	1,930	14.5%
11.1%	13,189	13,952	763	5.8%
12.3%	13,055	13,775	719	5.5%
13.6%	13,044	13,708	664	5.1%
14.8%	12,970	13,442	472	3.6%
16.0%	12,869	13,412	543	4.2%
17.3%	12,805	13,248	442	3.5%
18.5%	12,308	13,120	812	6.6%
19.8%	12,231	12,882	651	5.3%
21.0%	12,129	12,766	637	5.3%
22.2%	11,977	12,711	733	6.1%
23.5%	11,725	12,562	837	7.1%
24.7%	11,660	12,554	893	7.7%
25.9%	11,268	12,529	1,261	11.2%
27.2%	11,059	12,503	1,444	13.1%
28.4%	10,547	12,038	1,491	14.1%
29.6%	10,424	10,390	-35	-0.3%
30.9%	9,854	10,331	477	4.8%
32.1%	9,716	10,126	409	4.2%
33.3%	9,414	9,931	516	5.5%
34.6%	9,318	9,794	476	5.1%
35.8%	8,734	8,874	141	1.6%
37.0%	8,501	8,603	102	1.2%
38.3%	8,474	8,506	32	0.4%
39.5%	7,961	8,473	512	6.4%
40.7%	7,684	8,197	514	6.7%
42.0%	7,316	8,142	826	11.3%
43.2%	7,215	7,985	771	10.7%
44.4%	7,126	7,925	799	11.2%
45.7%	6,694	7,903	1,209	18.1%
46.9%	6,583	7,481	898	13.6%
48.1%	6,430	7,420	991	15.4%
49.4%	6,413	7,163	750	11.7%
50.6%	6,280	7,103	823	13.1%
51.9%	6,143	7,099	955	15.5%
53.1%	6,130	7,058	928	15.1%
54.3%	6,130	7,034	903	14.7%
55.6%	6,117	6,995	878	14.4%
56.8%	6,029	6,920	891	14.8%
58.0%	6,000	6,721	721	12.0%
59.3%	5,923	6,514	591	10.0%
60.5%	5,917	6,467	551	9.3%
61.7%	5,916	6,455	538	9.1%
63.0%	5,826	6,418	592	10.2%
64.2%	5,777	6,371	594	10.3%
65.4%	5,747	6,267	520	9.0%
66.7%	5,721	6,248	527	9.2%
67.9%	5,689	6,184	495	8.7%
69.1%	5,584	6,148	564	10.1%
70.4%	5,479	6,146	667	12.2%
71.6%	5,459	6,130	670	12.3%
72.8%	5,450	6,116	666	12.2%
74.1%	5,435	6,070	635	11.7%
75.3%	5,391	6,054	663	12.3%
76.5%	5,373	6,019	646	12.0%
77.8%	5,370	6,003	633	11.8%
79.0%	4,913	5,954	1,041	21.2%
80.2%	4,898	5,904	1,006	20.5%
81.5%	4,851	5,829	978	20.2%
82.7%	4,831	5,775	944	19.5%
84.0%	4,826	5,759	933	19.3%
85.2%	4,755	5,737	982	20.7%
86.4%	4,723	5,603	880	18.6%
87.7%	4,704	5,595	891	18.9%
88.9%	4,395	5,585	1,190	27.1%
90.1%	4,372	5,498	1,126	25.7%
91.4%	4,351	5,481	1,130	26.0%
92.6%	4,204	5,415	1,211	28.8%
93.8%	4,152	5,335	1,183	28.5%
95.1%	3,867	5,334	1,467	37.9%
96.3%	3,837	5,305	1,468	38.3%
97.5%	3,829	4,717	888	23.2%
98.8%	3,611	4,558	946	26.2%
100.0%	3,589	3,822	233	6.5%

Table SW-15-9a
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 Period[1]												
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 D	6,744	9,140	11,097	12,928	14,563	12,665	8,456	6,740	6,266	8,033	6,271	8,541
Difference	731	690	-223	-782	-753	-1,457	-253	-100	533	1,338	547	792
Percent Difference[3]	12.2%	8.2%	-2.0%	-5.7%	-4.9%	-10.3%	-2.9%	-1.5%	9.3%	20.0%	9.6%	10.2%
Water Year Types[2]												
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 D	8,423	11,715	11,374	18,606	19,450	17,643	13,248	10,267	7,056	7,720	6,009	13,141
Difference	1,333	574	-215	-499	-380	-625	-175	-90	622	1,113	-25	932
Percent Difference	18.8%	5.1%	-1.9%	-2.6%	-1.9%	-3.4%	-1.3%	-0.9%	9.7%	16.9%	-0.4%	7.6%
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 D	6,875	10,805	11,942	15,647	17,990	16,092	9,580	6,886	5,800	8,909	6,157	8,523
Difference	889	1,565	-385	-866	-1,079	-1,540	-619	-358	-42	1,888	573	669
Percent Difference	14.9%	16.9%	-3.1%	-5.2%	-5.7%	-8.7%	-6.1%	-4.9%	-0.7%	26.9%	10.3%	8.5%
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 D	6,470	8,601	12,644	10,564	13,562	9,418	6,549	5,180	5,444	7,931	5,778	5,839
Difference	860	624	15	-1,836	-809	-2,582	-473	-250	203	1,794	623	859
Percent Difference	15.3%	7.8%	0.1%	-14.8%	-5.6%	-21.5%	-6.7%	-4.6%	3.9%	29.2%	12.1%	17.2%
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 D	5,595	7,384	11,553	8,385	10,701	9,223	5,024	4,691	6,039	8,391	6,931	6,120
Difference	133	665	-13	-465	-905	-2,173	-245	158	754	1,459	1,084	839
Percent Difference	2.4%	9.9%	-0.1%	-5.3%	-7.8%	-19.1%	-4.6%	3.5%	14.3%	21.1%	18.5%	15.9%
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 D	5,022	5,158	7,166	7,478	7,510	7,406	4,325	3,845	6,321	7,418	6,541	5,375
Difference	14	180	-668	-556	-942	-789	189	-76	970	559	865	467
Percent Difference	0.3%	3.6%	-8.5%	-6.9%	-11.1%	-9.6%	4.6%	-1.9%	18.1%	8.1%	15.2%	9.5%

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-15-9b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

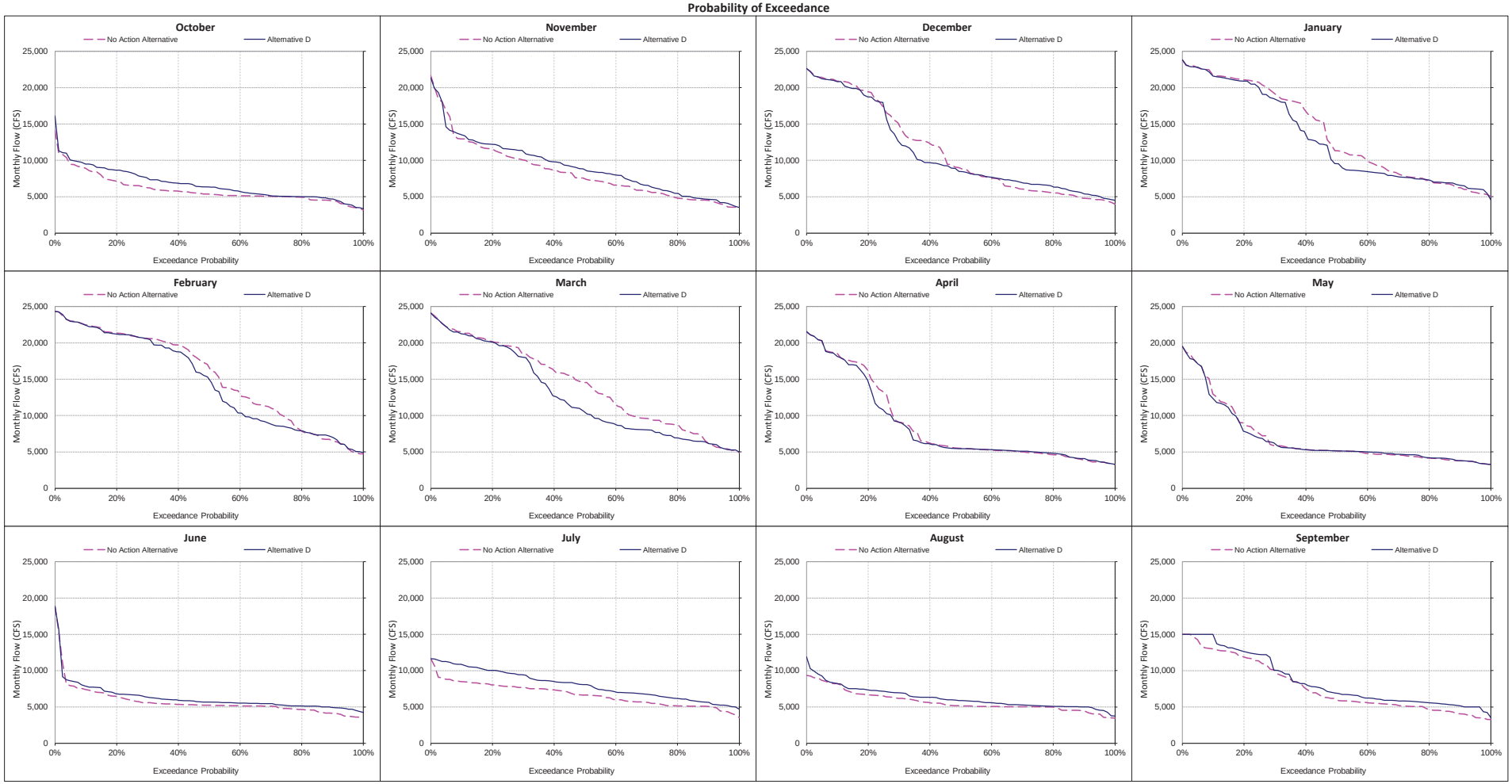

Table SW-15-9b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,099	16,137	2,037	14.4%
1.2%	10,966	11,320	354	3.2%
2.5%	10,836	11,060	224	2.1%
3.7%	10,399	11,010	611	5.9%
4.9%	9,459	10,062	604	6.4%
6.2%	9,414	9,959	545	5.8%
7.4%	9,165	9,848	683	7.4%
8.6%	9,079	9,750	671	7.4%
9.9%	8,942	9,509	566	6.3%
11.1%	8,595	9,492	896	10.4%
12.3%	8,419	9,406	987	11.7%
13.6%	8,396	9,037	640	7.6%
14.8%	8,018	9,006	987	12.3%
16.0%	7,482	8,974	1,491	19.9%
17.3%	7,363	8,757	1,394	18.9%
18.5%	7,269	8,723	1,454	20.0%
19.8%	7,139	8,658	1,519	21.3%
21.0%	7,136	8,643	1,507	21.1%
22.2%	6,653	8,514	1,861	28.0%
23.5%	6,593	8,448	1,855	28.1%
24.7%	6,567	8,311	1,744	26.6%
25.9%	6,538	8,120	1,582	24.2%
27.2%	6,532	7,851	1,319	20.2%
28.4%	6,369	7,746	1,376	21.6%
29.6%	6,229	7,645	1,416	22.7%
30.9%	6,227	7,324	1,097	17.6%
32.1%	6,017	7,321	1,303	21.7%
33.3%	5,920	7,318	1,399	23.6%
34.6%	5,886	7,137	1,251	21.3%
35.8%	5,869	7,085	1,216	20.7%
37.0%	5,809	6,965	1,156	19.9%
38.3%	5,806	6,909	1,103	19.0%
39.5%	5,792	6,871	1,080	18.6%
40.7%	5,733	6,822	1,089	19.0%
42.0%	5,697	6,803	1,106	19.4%
43.2%	5,636	6,801	1,165	20.7%
44.4%	5,548	6,705	1,157	20.8%
45.7%	5,526	6,414	888	16.1%
46.9%	5,462	6,372	910	16.7%
48.1%	5,385	6,356	971	18.0%
49.4%	5,384	6,337	953	17.7%
50.6%	5,334	6,322	988	18.5%
51.9%	5,287	6,311	1,024	19.4%
53.1%	5,257	6,130	873	16.6%
54.3%	5,194	6,070	876	16.9%
55.6%	5,163	6,047	884	17.1%
56.8%	5,158	5,964	806	15.6%
58.0%	5,154	5,843	689	13.4%
59.3%	5,152	5,798	647	12.6%
60.5%	5,130	5,655	525	10.2%
61.7%	5,115	5,541	426	8.3%
63.0%	5,113	5,530	417	8.2%
64.2%	5,107	5,461	354	6.9%
65.4%	5,103	5,382	279	5.5%
66.7%	5,097	5,341	245	4.8%
67.9%	5,058	5,303	245	4.8%
69.1%	5,050	5,212	163	3.2%
70.4%	5,045	5,113	68	1.4%
71.6%	5,037	5,112	75	1.5%
72.8%	5,025	5,070	46	0.9%
74.1%	5,022	5,069	47	0.9%
75.3%	5,012	5,043	31	0.6%
76.5%	5,005	5,033	28	0.6%
77.8%	4,966	5,025	58	1.2%
79.0%	4,957	5,012	56	1.1%
80.2%	4,937	5,000	63	1.3%
81.5%	4,927	5,000	73	1.5%
82.7%	4,570	5,000	430	9.4%
84.0%	4,544	5,000	456	10.0%
85.2%	4,533	4,940	408	9.0%
86.4%	4,523	4,869	345	7.6%
87.7%	4,520	4,853	333	7.4%
88.9%	4,507	4,730	222	4.9%
90.1%	4,395	4,662	267	6.1%
91.4%	4,364	4,520	156	3.6%
92.6%	4,064	4,341	278	6.8%
93.8%	4,026	4,027	0	0.0%
95.1%	3,701	3,933	232	6.3%
96.3%	3,544	3,854	310	8.8%
97.5%	3,504	3,544	39	1.1%
98.8%	3,378	3,504	126	3.7%
100.0%	3,169	3,352	183	5.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,650	21,377	-273	-1.3%
1.2%	20,042	19,909	-132	-0.7%
2.5%	18,479	19,334	855	4.6%
3.7%	18,060	18,035	-25	-0.1%
4.9%	16,907	14,629	-2,278	-13.5%
6.2%	16,004	14,149	-1,855	-11.6%
7.4%	13,533	13,972	438	3.2%
8.6%	13,032	13,710	678	5.2%
9.9%	12,953	13,542	589	4.6%
11.1%	12,933	13,367	434	3.4%
12.3%	12,559	12,857	298	2.4%
13.6%	12,496	12,806	310	2.5%
14.8%	12,256	12,574	318	2.6%
16.0%	11,882	12,382	500	4.2%
17.3%	11,675	12,275	600	5.1%
18.5%	11,635	12,244	609	5.2%
19.8%	11,627	12,209	582	5.0%
21.0%	11,290	12,182	892	7.9%
22.2%	11,086	11,997	911	8.2%
23.5%	10,908	11,620	712	6.5%
24.7%	10,558	11,576	1,019	9.6%
25.9%	10,447	11,511	1,065	10.2%
27.2%	10,284	11,498	1,214	11.8%
28.4%	10,226	11,383	1,157	11.3%
29.6%	10,088	11,373	1,285	12.7%
30.9%	9,970	10,879	909	9.1%
32.1%	9,622	10,750	1,127	11.7%
33.3%	9,429	10,696	1,267	13.4%
34.6%	9,356	10,551	1,195	12.8%
35.8%	9,281	10,467	1,186	12.8%
37.0%	8,876	10,114	1,237	13.9%
38.3%	8,823	9,864	1,041	11.8%
39.5%	8,680	9,816	1,136	13.1%
40.7%	8,618	9,772	1,154	13.4%
42.0%	8,367	9,680	1,313	15.7%
43.2%	8,350	9,364	1,014	12.1%
44.4%	8,338	9,296	958	11.5%
45.7%	8,284	9,158	873	10.5%
46.9%	7,616	9,031	1,415	18.6%
48.1%	7,616	8,879	1,263	16.6%
49.4%	7,558	8,826	1,268	16.8%
50.6%	7,369	8,569	1,200	16.3%
51.9%	7,242	8,494	1,252	17.3%
53.1%	7,212	8,426	1,214	16.8%
54.3%	7,154	8,337	1,184	16.5%
55.6%	7,074	8,336	1,262	17.8%
56.8%	6,920	8,195	1,275	18.4%
58.0%	6,835	8,185	1,350	19.8%
59.3%	6,601	8,042	1,442	21.8%
60.5%	6,584	7,951	1,368	20.8%
61.7%	6,511	7,912	1,401	21.5%
63.0%	6,458	7,504	1,047	16.2%
64.2%	6,447	7,324	876	13.6%
65.4%	6,133	7,137	1,004	16.4%
66.7%	5,911	7,044	1,133	19.2%
67.9%	5,890	6,724	834	14.2%
69.1%	5,877	6,588	711	12.1%
70.4%	5,743	6,579	836	14.6%
71.6%	5,587	6,305	717	12.8%
72.8%	5,581	6,169	588	10.5%
74.1%	5,512	6,086	574	10.4%
75.3%	5,399	5,877	478	8.9%
76.5%	5,188	5,815	627	12.1%
77.8%	5,102	5,693	591	11.6%
79.0%	4,906	5,474	568	11.6%
80.2%	4,788	5,432	644	13.4%
81.5%	4,734	5,073	339	7.2%
82.7%	4,665	5,052	388	8.3%
84.0%	4,619	5,010	391	8.5%
85.2%	4,586	4,866	279	6.1%
86.4%	4,575	4,773	197	4.3%
87.7%	4,551	4,765	214	4.7%
88.9%	4,529	4,675	146	3.2%
90.1%	4,511	4,630	119	2.6%
91.4%	4,364	4,619	255	5.8%
92.6%	4,173	4,586	414	9.9%
93.8%	4,014	4,193	179	4.5%
95.1%	3,915	4,184	269	6.9%
96.3%	3,588	4,093	504	14.1%
97.5%	3,570	3,876	305	8.6%
98.8%	3,552	3,678	126	3.6%
100.0%	3,537	3,542	4	0.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,617	22,639	22	0.1%
1.2%	22,254	22,209	-45	-0.2%
2.5%	21,692	21,620	-72	-0.3%
3.7%	21,468	21,497	29	0.1%
4.9%	21,444	21,217	-227	-1.1%
6.2%	21,229	21,140	-89	-0.4%
7.4%	21,200	21,097	-103	-0.5%
8.6%	21,154	21,009	-145	-0.7%
9.9%	20,890	20,851	-39	-0.2%
11.1%	20,878	20,851	-27	-0.1%
12.3%	20,818	20,217	-602	-2.9%
13.6%	20,743	20,022	-720	-3.5%
14.8%	20,406	19,903	-503	-2.5%
16.0%	20,305	19,895	-409	-2.0%
17.3%	19,691	19,682	-9	0.0%
18.5%	19,602	19,002	-600	-3.1%
19.8%	19,458	18,732	-726	-3.7%
21.0%	19,330	18,717	-613	-3.2%
22.2%	18,426	18,222	-204	-1.1%
23.5%	18,156	18,058	-98	-0.5%
24.7%	17,466	17,959	493	2.8%
25.9%	16,533	15,628	-905	-5.5%
27.2%	16,196	14,211	-1,984	-12.3%
28.4%	15,551	13,643	-1,908	-12.3%
29.6%	15,193	12,674	-2,519	-16.6%
30.9%	14,165	12,079	-2,085	-14.7%
32.1%	13,413	11,970	-1,443	-10.8%
33.3%	12,995	11,705	-1,290	-9.9%
34.6%	12,850	11,092	-1,759	-13.7%
35.8%	12,755	10,120	-2,635	-20.7%
37.0%	12,736	10,031	-2,705	-21.2%
38.3%	12,660	9,707	-2,953	-23.3%
39.5%	12,449	9,700	-2,750	-22.1%
40.7%	12,123	9,650	-2,474	-20.4%
42.0%	12,021	9,616	-2,405	-20.0%
43.2%	11,784	9,447	-2,337	-19.8%
44.4%	10,893	9,272	-1,622	-14.9%
45.7%	9,459	9,235	-223	-2.4%
46.9%	9,420	8,949	-471	-5.0%
48.1%	9,056	8,885	-171	-1.9%
49.4%	9,004	8,483	-522	-5.8%
50.6%	8,792	8,442	-350	-4.0%
51.9%	8,762	8,356	-405	-4.6%
53.1%	8,247	8,166	-81	-1.0%
54.3%	8,131	8,061	-69	-0.9%
55.6%	8,107	8,025	-82	-1.0%
56.8%	7,777	7,946	169	2.2%
58.0%	7,741	7,795	55	0.7%
59.3%	7,552	7,713	161	2.1%
60.5%	7,522	7,642	120	1.6%
61.7%	7,487	7,550	63	0.8%
63.0%	7,226	7,472	246	3.4%
64.2%	6,494	7,337	843	13.0%
65.4%	6,413	7,337	924	14.4%
66.7%	6,363	7,217	853	13.4%
67.9%	6,239	7,159	921	14.8%
69.1%	6,070	7,021	951	15.7%
70.4%	6,023	6,888	865	14.4%
71.6%	5,894	6,850	956	16.2%
72.8%	5,826	6,719	893	15.3%
74.1%	5,803	6,716	913	15.7%
75.3%	5,746	6,690	944	16.4%
76.5%	5,738	6,623	885	15.4%
77.8%	5,663	6,604	942	16.6%
79.0%	5,567	6,536	969	17.4%
80.2%	5,523	6,311	788	14.3%
81.5%	5,512	6,302	790	14.3%
82.7%	5,346	6,161	815	15.2%
84.0%	5,311	6,064	752	14.2%
85.2%	5,269	5,880	611	11.6%
86.4%	5,206	5,758	553	10.6%
87.7%	5,003	5,697	693	13.9%
88.9%	4,821	5,585	764	15.8%
90.1%	4,796	5,384	588	12.3%
91.4%	4,749	5,331	581	12.2%
92.6%	4,697	5,208	511	10.9%
93.8%	4,616	5,177	562	12.2%
95.1%	4,593	5,032	438	9.5%
96.3%	4,539	4,775	236	5.2%
97.5%	4,388	4,700	312	7.1%
98.8%	4,221	4,602	381	9.0%
100.0%	3,981	4,506	524	13.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,795	23,822	27	0.1%
1.2%	23,070	23,093	23	0.1%
2.5%	23,019	22,912	-107	-0.5%
3.7%	22,987	22,861	-126	-0.5%
4.9%	22,751	22,827	76	0.3%
6.2%	22,593	22,599	6	0.0%
7.4%	22,507	22,498	-10	0.0%
8.6%	22,479	22,176	-303	-1.3%
9.9%	21,738	21,617	-121	-0.6%
11.1%	21,620	21,515	-105	-0.5%
12.3%	21,608	21,464	-145	-0.7%
13.6%	21,536	21,312	-224	-1.0%
14.8%	21,427	21,226	-201	-0.9%
16.0%	21,345	21,146	-199	-0.9%
17.3%	21,234	21,022	-212	-1.0%
18.5%	21,172	20,928	-244	-1.2%
19.8%	21,072	20,921	-150	-0.7%
21.0%	21,054	20,906	-148	-0.7%
22.2%	20,989	20,499	-490	-2.3%
23.5%	20,834	20,497	-337	-1.6%
24.7%	20,754	20,085	-669	-3.2%
25.9%	20,384	19,098	-1,286	-6.3%
27.2%	20,117	19,058	-1,059	-5.3%
28.4%	19,677	18,624	-1,053	-5.4%
29.6%	19,262	18,490	-772	-4.0%
30.9%	18,844	18,260	-585	-3.1%
32.1%	18,464	18,015	-448	-2.4%
33.3%	18,346	17,976	-370	-2.0%
34.6%	18,219	16,374	-1,845	-10.1%
35.8%	18,164	15,543	-2,621	-14.4%
37.0%	18,003	15,294	-2,709	-15.0%
38.3%	17,856	14,136	-3,720	-20.8%
39.5%	16,980	14,014	-2,966	-17.5%
40.7%	16,316	12,884	-3,432	-21.0%
42.0%	16,138	12,823	-3,315	-20.5%
43.2%	15,553	12,657	-2,896	-18.6%
44.4%	15,429	12,263	-3,166	-20.5%
45.7%	15,396	12,212	-3,184	-20.7%
46.9%	12,859	12,081	-778	-6.1%
48.1%	12,197	10,169	-2,028	-16.6%
49.4%	11,335	9,581	-1,753	-15.5%
50.6%	11,313	9,523	-1,791	-15.8%
51.9%	11,211	8,957	-2,254	-20.1%
53.1%	11,002	8,683	-2,319	-21.1%
54.3%	10,761	8,664	-2,097	-19.5%
55.6%	10,745	8,644	-2,100	-19.5%
56.8%	10,687	8,622	-2,065	-19.3%
58.0%	10,628	8,523	-2,105	-19.8%
59.3%	10,212	8,477	-1,736	-17.0%
60.5%	9,771	8,437	-1,334	-13.7%
61.7%	9,569	8,348	-1,221	-12.8%
63.0%	9,300	8,305	-996	-10.7%
64.2%	9,236	8,263	-973	-10.5%
65.4%	8,955	8,191	-764	-8.5%
66.7%	8,588	7,925	-663	-7.7%
67.9%	8,424	7,916	-508	-6.0%
69.1%	8,350	7,807	-544	-6.5%
70.4%	8,056	7,704	-352	-4.4%
71.6%	7,892	7,677	-215	-2.7%
72.8%	7,730	7,637	-93	-1.2%
74.1%	7,675	7,596	-78	-1.0%
75.3%	7,648	7,467	-181	-2.4%
76.5%	7,565	7,440	-125	-1.7%
77.8%	7,538	7,423	-115	-1.5%
79.0%	7,274	7,362	89	1.2%
80.2%	7,264	7,268	4	0.1%
81.5%	6,907	7,028	120	1.7%
82.7%	6,863	7,019	156	2.3%
84.0%	6,852	6,991	140	2.0%
85.2%	6,783	6,924	141	2.1%
86.4%	6,765	6,897	132	1.9%
87.7%	6,583	6,869	286	4.3%
88.9%	6,248	6,658	410	6.6%
90.1%	6,237	6,557	319	5.1%
91.4%	6,016	6,503	487	8.1%
92.6%	6,008	6,142	134	2.2%
93.8%	5,639	6,102	463	8.2%
95.1%	5,568	6,057	489	8.8%
96.3%	5,458	6,022	564	10.3%
97.5%	5,419	5,979	560	10.3%
98.8%	5,295	5,446	152	2.9%
100.0%	5,029	4,542	-487	-9.7%

Table SW-15-9b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,355	24,328	-27	-0.1%
1.2%	24,267	24,265	-2	0.0%
2.5%	23,722	23,895	173	0.7%
3.7%	23,248	23,253	4	0.0%
4.9%	23,019	22,966	-53	-0.2%
6.2%	22,972	22,885	-87	-0.4%
7.4%	22,868	22,875	7	0.0%
8.6%	22,677	22,640	-36	-0.2%
9.9%	22,478	22,455	-24	-0.1%
11.1%	22,455	22,221	-234	-1.0%
12.3%	22,274	22,212	-62	-0.3%
13.6%	22,200	22,126	-74	-0.3%
14.8%	22,087	21,896	-191	-0.9%
16.0%	21,522	21,405	-117	-0.5%
17.3%	21,504	21,381	-124	-0.6%
18.5%	21,423	21,287	-136	-0.6%
19.8%	21,367	21,211	-156	-0.7%
21.0%	21,318	21,168	-150	-0.7%
22.2%	21,238	21,136	-101	-0.5%
23.5%	21,123	21,100	-23	-0.1%
24.7%	20,980	21,073	93	0.4%
25.9%	20,904	20,917	13	0.1%
27.2%	20,771	20,783	12	0.1%
28.4%	20,649	20,683	34	0.2%
29.6%	20,624	20,592	-32	-0.2%
30.9%	20,600	20,461	-139	-0.7%
32.1%	20,580	19,711	-868	-4.2%
33.3%	20,442	19,697	-744	-3.6%
34.6%	20,263	19,671	-592	-2.9%
35.8%	20,141	19,302	-839	-4.2%
37.0%	20,091	19,295	-796	-4.0%
38.3%	19,742	18,922	-820	-4.2%
39.5%	19,719	18,786	-932	-4.7%
40.7%	19,692	18,744	-948	-4.8%
42.0%	19,353	18,347	-1,006	-5.2%
43.2%	19,047	17,927	-1,120	-5.9%
44.4%	18,395	17,120	-1,275	-6.9%
45.7%	18,052	15,980	-2,072	-11.5%
46.9%	17,673	15,876	-1,797	-10.2%
48.1%	17,315	15,525	-1,790	-10.3%
49.4%	17,047	15,325	-1,722	-10.1%
50.6%	16,177	14,582	-1,595	-9.9%
51.9%	15,967	13,516	-2,450	-15.3%
53.1%	15,324	13,304	-2,020	-13.2%
54.3%	13,886	11,988	-1,898	-13.7%
55.6%	13,866	11,749	-2,117	-15.3%
56.8%	13,752	11,270	-2,483	-18.1%
58.0%	13,493	11,071	-2,422	-17.9%
59.3%	13,429	10,365	-3,064	-22.8%
60.5%	12,628	10,327	-2,301	-18.2%
61.7%	12,554	9,845	-2,709	-21.6%
63.0%	12,370	9,819	-2,551	-20.6%
64.2%	11,680	9,574	-2,106	-18.0%
65.4%	11,503	9,560	-1,943	-16.9%
66.7%	11,489	9,293	-2,196	-19.1%
67.9%	11,325	9,164	-2,161	-19.1%
69.1%	11,230	8,986	-2,244	-20.0%
70.4%	10,961	8,773	-2,189	-20.0%
71.6%	10,804	8,592	-2,212	-20.5%
72.8%	10,180	8,546	-1,634	-16.1%
74.1%	9,955	8,521	-1,433	-14.4%
75.3%	9,524	8,387	-1,136	-11.9%
76.5%	9,280	8,280	-999	-10.8%
77.8%	8,431	8,036	-395	-4.7%
79.0%	8,152	7,918	-234	-2.9%
80.2%	7,791	7,904	112	1.4%
81.5%	7,574	7,688	114	1.5%
82.7%	7,572	7,623	51	0.7%
84.0%	7,432	7,395	-37	-0.5%
85.2%	7,267	7,346	79	1.1%
86.4%	6,792	7,326	533	7.9%
87.7%	6,730	7,313	584	8.7%
88.9%	6,715	7,182	467	7.0%
90.1%	6,479	6,975	496	7.7%
91.4%	6,387	6,653	266	4.2%
92.6%	6,098	6,079	-19	-0.3%
93.8%	6,062	6,027	-35	-0.6%
95.1%	5,422	5,433	11	0.2%
96.3%	5,025	5,335	310	6.2%
97.5%	4,934	5,054	120	2.4%
98.8%	4,760	5,044	284	6.0%
100.0%	4,735	4,897	162	3.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,114	24,121	8	0.0%
1.2%	23,715	23,544	-171	-0.7%
2.5%	23,222	23,168	-55	-0.2%
3.7%	22,672	22,664	-7	0.0%
4.9%	22,243	22,254	11	0.1%
6.2%	21,973	21,767	-206	-0.9%
7.4%	21,871	21,513	-357	-1.6%
8.6%	21,557	21,507	-50	-0.2%
9.9%	21,542	21,245	-298	-1.4%
11.1%	21,326	21,203	-123	-0.6%
12.3%	21,317	20,969	-348	-1.6%
13.6%	21,018	20,950	-69	-0.3%
14.8%	20,719	20,607	-111	-0.5%
16.0%	20,694	20,482	-212	-1.0%
17.3%	20,595	20,271	-324	-1.6%
18.5%	20,281	20,223	-57	-0.3%
19.8%	20,214	20,125	-90	-0.4%
21.0%	20,063	19,976	-87	-0.4%
22.2%	20,026	19,620	-406	-2.0%
23.5%	19,620	19,618	-3	0.0%
24.7%	19,605	19,457	-148	-0.8%
25.9%	19,539	19,147	-392	-2.0%
27.2%	19,455	18,692	-763	-3.9%
28.4%	19,348	18,134	-1,214	-6.3%
29.6%	18,513	18,050	-463	-2.5%
30.9%	18,486	17,968	-517	-2.8%
32.1%	18,028	17,220	-808	-4.5%
33.3%	17,795	15,889	-1,905	-10.7%
34.6%	17,667	15,404	-2,264	-12.8%
35.8%	17,076	14,585	-2,491	-14.6%
37.0%	17,021	14,403	-2,618	-15.4%
38.3%	16,653	13,677	-2,976	-17.9%
39.5%	16,398	12,742	-3,657	-22.3%
40.7%	15,882	12,552	-3,330	-21.0%
42.0%	15,869	12,200	-3,670	-23.1%
43.2%	15,812	12,112	-3,700	-23.4%
44.4%	15,547	11,577	-3,970	-25.5%
45.7%	15,538	11,137	-4,401	-28.3%
46.9%	14,946	11,082	-3,865	-25.9%
48.1%	14,731	10,986	-3,745	-25.4%
49.4%	14,553	10,632	-3,920	-26.9%
50.6%	14,542	10,222	-4,320	-29.7%
51.9%	13,982	10,123	-3,860	-27.6%
53.1%	13,479	9,620	-3,859	-28.6%
54.3%	13,057	9,608	-3,450	-26.4%
55.6%	12,991	9,289	-3,702	-28.5%
56.8%	12,579	9,120	-3,460	-27.5%
58.0%	12,513	8,990	-3,523	-28.2%
59.3%	11,813	8,898	-2,915	-24.7%
60.5%	11,306	8,667	-2,640	-23.3%
61.7%	11,129	8,639	-2,490	-22.4%
63.0%	10,462	8,237	-2,226	-21.3%
64.2%	10,130	8,206	-1,925	-19.0%
65.4%	9,959	8,148	-1,811	-18.2%
66.7%	9,830	8,094	-1,735	-17.7%
67.9%	9,665	8,052	-1,613	-16.7%
69.1%	9,613	8,047	-1,566	-16.3%
70.4%	9,582	8,031	-1,551	-16.2%
71.6%	9,391	7,983	-1,409	-15.0%
72.8%	9,358	7,685	-1,673	-17.9%
74.1%	9,358	7,667	-1,690	-18.1%
75.3%	8,902	7,348	-1,554	-17.5%
76.5%	8,846	7,258	-1,588	-18.0%
77.8%	8,838	7,255	-1,583	-17.9%
79.0%	8,768	6,932	-1,836	-20.9%
80.2%	8,684	6,918	-1,767	-20.3%
81.5%	8,044	6,786	-1,258	-15.6%
82.7%	7,888	6,716	-1,172	-14.9%
84.0%	7,729	6,621	-1,108	-14.3%
85.2%	7,507	6,507	-1,000	-13.3%
86.4%	7,499	6,453	-1,046	-13.9%
87.7%	7,278	6,443	-834	-11.5%
88.9%	6,573	6,390	-183	-2.8%
90.1%	6,128	6,136	8	0.1%
91.4%	5,946	6,083	136	2.3%
92.6%	5,636	5,993	357	6.3%
93.8%	5,576	5,620	44	0.8%
95.1%	5,439	5,458	19	0.4%
96.3%	5,408	5,305	-103	-1.9%
97.5%	5,241	5,287	46	0.9%
98.8%	5,234	5,264	30	0.6%
100.0%	4,883	5,000	117	2.4%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,507	21,587	81	0.4%
1.2%	21,096	21,102	7	0.0%
2.5%	20,914	20,923	9	0.0%
3.7%	20,459	20,458	-1	0.0%
4.9%	20,290	20,300	10	0.1%
6.2%	18,928	18,796	-132	-0.7%
7.4%	18,785	18,664	-121	-0.6%
8.6%	18,671	18,590	-82	-0.4%
9.9%	18,588	18,161	-426	-2.3%
11.1%	17,944	17,956	12	0.1%
12.3%	17,703	17,629	-74	-0.4%
13.6%	17,629	17,002	-627	-3.6%
14.8%	17,454	16,983	-471	-2.7%
16.0%	17,392	16,940	-452	-2.6%
17.3%	17,206	16,318	-888	-5.2%
18.5%	16,912	15,689	-1,223	-7.2%
19.8%	16,281	14,857	-1,424	-8.7%
21.0%	15,000	13,335	-1,665	-11.1%
22.2%	14,374	11,651	-2,722	-18.9%
23.5%	13,642	11,116	-2,526	-18.5%
24.7%	13,328	10,833	-2,495	-18.7%
25.9%	12,902	10,278	-2,624	-20.3%
27.2%	10,968	10,138	-829	-7.6%
28.4%	9,520	9,241	-279	-2.9%
29.6%	9,122	9,130	7	0.1%
30.9%	9,038	8,945	-94	-1.0%
32.1%	8,835	8,555	-280	-3.2%
33.3%	8,573	8,080	-493	-5.8%
34.6%	7,855	6,641	-1,214	-15.5%
35.8%	7,736	6,539	-1,197	-15.5%
37.0%	6,519	6,271	-248	-3.8%
38.3%	6,472	6,151	-320	-4.9%
39.5%	6,271	6,128	-143	-2.3%
40.7%	6,087	6,006	-81	-1.3%
42.0%	6,084	5,987	-98	-1.6%
43.2%	5,921	5,770	-151	-2.6%
44.4%	5,866	5,623	-243	-4.1%
45.7%	5,784	5,545	-239	-4.1%
46.9%	5,618	5,490	-129	-2.3%
48.1%	5,545	5,482	-63	-1.1%
49.4%	5,504	5,459	-46	-0.8%
50.6%	5,482	5,456	-26	-0.5%
51.9%	5,459	5,439	-19	-0.4%
53.1%	5,439	5,427	-12	-0.2%
54.3%	5,368	5,424	57	1.1%
55.6%	5,340	5,368	28	0.5%
56.8%	5,333	5,351	17	0.3%
58.0%	5,308	5,340	31	0.6%
59.3%	5,276	5,308	32	0.6%
60.5%	5,232	5,297	65	1.3%
61.7%	5,213	5,283	69	1.3%
63.0%	5,195	5,276	81	1.6%
64.2%	5,161	5,195	34	0.7%
65.4%	5,146	5,189	42	0.8%
66.7%	5,144	5,146	2	0.0%
67.9%	5,039	5,134	95	1.9%
69.1%	5,027	5,109	82	1.6%
70.4%	4,977	5,096	118	2.4%
71.6%	4,927	5,094	166	3.4%
72.8%	4,920	5,039	119	2.4%
74.1%	4,896	5,000	104	2.1%
75.3%	4,851	4,947	97	2.0%
76.5%	4,783	4,907	124	2.6%
77.8%	4,744	4,896	152	3.2%
79.0%	4,625	4,831	206	4.5%
80.2%	4,614	4,804	190	4.1%
81.5%	4,609	4,744	135	2.9%
82.7%	4,582	4,671	89	1.9%
84.0%	4,358	4,582	224	5.1%
85.2%	4,300	4,300	0	0.0%
86.4%	4,220	4,220	0	0.0%
87.7%	4,085	4,134	49	1.2%
88.9%	3,972	4,086	113	2.9%
90.1%	3,856	4,085	229	5.9%
91.4%	3,792	3,879	86	2.3%
92.6%	3,635	3,856	221	6.1%
93.8%	3,629	3,792	164	4.5%
95.1%	3,586	3,635	49	1.4%
96.3%	3,581	3,581	0	0.0%
97.5%	3,462	3,462	0	0.0%
98.8%	3,394	3,394	0	0.0%
100.0%	3,285	3,285	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,519	19,528	9	0.0%
1.2%	18,691	18,615	-76	-0.4%
2.5%	18,499	17,852	-647	-3.5%
3.7%	17,681	17,693	12	0.1%
4.9%	17,158	17,135	-23	-0.1%
6.2%	16,778	16,753	-26	-0.2%
7.4%	15,419	15,300	-118	-0.8%
8.6%	15,095	12,912	-2,183	-14.5%
9.9%	12,977	12,343	-633	-4.9%
11.1%	12,550	11,789	-761	-6.1%
12.3%	11,943	11,689	-254	-2.1%
13.6%	11,782	11,471	-310	-2.6%
14.8%	11,467	11,118	-348	-3.0%
16.0%	11,219	10,286	-933	-8.3%
17.3%	10,271	9,948	-322	-3.1%
18.5%	9,048	9,044	-3	0.0%
19.8%	8,998	7,842	-1,157	-12.9%
21.0%	8,575	7,669	-906	-10.6%
22.2%	8,474	7,430	-1,043	-12.3%
23.5%	7,901	7,145	-756	-9.6%
24.7%	7,593	6,956	-637	-8.4%
25.9%	7,237	6,858	-379	-5.2%
27.2%	7,211	6,439	-771	-10.7%
28.4%	6,049	6,401	352	5.8%
29.6%	5,875	6,234	359	6.1%
30.9%	5,857	5,839	-19	-0.3%
32.1%	5,829	5,626	-203	-3.5%
33.3%	5,723	5,593	-129	-2.3%
34.6%	5,551	5,564	13	0.2%
35.8%	5,510	5,538	27	0.5%
37.0%	5,453	5,462	10	0.2%
38.3%	5,432	5,385	-47	-0.9%
39.5%	5,385	5,315	-70	-1.3%
40.7%	5,315	5,254	-61	-1.1%
42.0%	5,254	5,228	-26	-0.5%
43.2%	5,228	5,215	-13	-0.3%
44.4%	5,215	5,206	-9	-0.2%
45.7%	5,196	5,196	0	0.0%
46.9%	5,186	5,186	0	0.0%
48.1%	5,171	5,171	-1	0.0%
49.4%	5,171	5,165	-6	-0.1%
50.6%	5,130	5,130	0	0.0%
51.9%	5,129	5,129	0	0.0%
53.1%	5,113	5,108	-6	-0.1%
54.3%	5,108	5,099	-8	-0.2%
55.6%	5,090	5,090	0	0.0%
56.8%	4,956	5,077	120	2.4%
58.0%	4,941	5,050	109	2.2%
59.3%	4,799	5,000	201	4.2%
60.5%	4,772	5,000	228	4.8%
61.7%	4,733	4,956	224	4.7%
63.0%	4,676	4,941	266	5.7%
64.2%	4,667	4,921	254	5.4%
65.4%	4,665	4,811	146	3.1%
66.7%	4,657	4,799	141	3.0%
67.9%	4,601	4,772	171	3.7%
69.1%	4,593	4,676	83	1.8%
70.4%	4,577	4,667	90	2.0%
71.6%	4,550	4,634	84	1.8%
72.8%	4,421	4,611	190	4.3%
74.1%	4,382	4,601	219	5.0%
75.3%	4,362	4,593	231	5.3%
76.5%	4,324	4,524	200	4.6%
77.8%	4,168	4,324	156	3.8%
79.0%	4,163	4,207	44	1.1%
80.2%	4,145	4,175	30	0.7%
81.5%	4,111	4,168	57	1.4%
82.7%	4,070	4,157	88	2.2%
84.0%	4,059	4,145	86	2.1%
85.2%	3,937	4,114	178	4.5%
86.4%	3,857	4,059	202	5.2%
87.7%	3,850	3,976	126	3.3%
88.9%	3,792	3,792	0	0.0%
90.1%	3,790	3,778	-12	-0.3%
91.4%	3,778	3,764	-14	-0.4%
92.6%	3,733	3,752	19	0.5%
93.8%	3,707	3,701	-6	-0.2%
95.1%	3,583	3,583	0	0.0%
96.3%	3,409	3,409	0	0.0%
97.5%	3,377	3,377	0	0.0%
98.8%	3,319	3,319	0	0.0%
100.0%	3,272	3,272	0	0.0%

Table SW-15-9b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,883	18,845	-37	-0.2%
1.2%	15,258	15,685	427	2.8%
2.5%	11,055	9,174	-1,882	-17.0%
3.7%	8,139	8,747	608	7.5%
4.9%	7,942	8,597	656	8.3%
6.2%	7,852	8,508	656	8.4%
7.4%	7,553	8,402	849	11.2%
8.6%	7,551	8,029	478	6.3%
9.9%	7,416	7,869	453	6.1%
11.1%	7,298	7,730	431	5.9%
12.3%	7,129	7,714	586	8.2%
13.6%	7,032	7,691	659	9.4%
14.8%	6,998	7,670	672	9.6%
16.0%	6,922	7,176	254	3.7%
17.3%	6,598	7,081	483	7.3%
18.5%	6,498	7,044	546	8.4%
19.8%	6,458	6,833	375	5.8%
21.0%	6,321	6,739	419	6.6%
22.2%	6,176	6,733	557	9.0%
23.5%	6,041	6,710	669	11.1%
24.7%	5,934	6,663	728	12.3%
25.9%	5,793	6,643	850	14.7%
27.2%	5,717	6,619	901	15.8%
28.4%	5,585	6,521	936	16.8%
29.6%	5,580	6,356	777	13.9%
30.9%	5,577	6,300	724	13.0%
32.1%	5,502	6,220	718	13.1%
33.3%	5,448	6,177	728	13.4%
34.6%	5,441	6,088	647	11.9%
35.8%	5,427	6,044	617	11.4%
37.0%	5,424	5,999	575	10.6%
38.3%	5,409	5,992	583	10.8%
39.5%	5,342	5,969	627	11.7%
40.7%	5,332	5,885	553	10.4%
42.0%	5,316	5,861	545	10.3%
43.2%	5,307	5,836	530	10.0%
44.4%	5,302	5,823	521	9.8%
45.7%	5,268	5,731	463	8.8%
46.9%	5,265	5,689	423	8.0%
48.1%	5,247	5,679	432	8.2%
49.4%	5,236	5,669	433	8.3%
50.6%	5,235	5,661	426	8.1%
51.9%	5,214	5,653	439	8.4%
53.1%	5,206	5,615	409	7.9%
54.3%	5,204	5,600	396	7.6%
55.6%	5,196	5,593	397	7.6%
56.8%	5,173	5,587	414	8.0%
58.0%	5,159	5,562	403	7.8%
59.3%	5,155	5,530	374	7.3%
60.5%	5,145	5,529	384	7.5%
61.7%	5,144	5,525	381	7.4%
63.0%	5,132	5,500	368	7.2%
64.2%	5,131	5,500	369	7.2%
65.4%	5,128	5,477	349	6.8%
66.7%	5,124	5,467	343	6.7%
67.9%	5,110	5,455	345	6.7%
69.1%	5,098	5,452	354	6.9%
70.4%	5,092	5,441	349	6.8%
71.6%	5,066	5,333	267	5.3%
72.8%	4,793	5,278	485	10.1%
74.1%	4,782	5,235	453	9.5%
75.3%	4,777	5,173	395	8.3%
76.5%	4,751	5,155	404	8.5%
77.8%	4,703	5,144	441	9.4%
79.0%	4,657	5,132	475	10.2%
80.2%	4,632	5,128	495	10.7%
81.5%	4,591	5,118	527	11.5%
82.7%	4,584	5,110	526	11.5%
84.0%	4,582	5,107	525	11.5%
85.2%	4,347	5,091	745	17.1%
86.4%	4,245	5,000	755	17.8%
87.7%	4,168	5,000	832	20.0%
88.9%	4,141	5,000	859	20.7%
90.1%	4,126	4,900	774	18.8%
91.4%	4,085	4,882	797	19.5%
92.6%	3,996	4,863	867	21.7%
93.8%	3,752	4,793	1,041	27.8%
95.1%	3,738	4,676	938	25.1%
96.3%	3,661	4,676	1,015	27.7%
97.5%	3,598	4,515	917	25.5%
98.8%	3,585	4,374	789	22.0%
100.0%	3,524	4,237	713	20.2%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,651	11,650	-1	0.0%
1.2%	10,665	11,620	955	9.0%
2.5%	9,065	11,419	2,354	26.0%
3.7%	8,998	11,272	2,274	25.3%
4.9%	8,814	11,241	2,427	27.5%
6.2%	8,794	11,151	2,357	26.8%
7.4%	8,593	10,954	2,361	27.5%
8.6%	8,544	10,866	2,322	27.2%
9.9%	8,502	10,860	2,358	27.7%
11.1%	8,462	10,683	2,221	26.2%
12.3%	8,410	10,509	2,099	25.0%
13.6%	8,317	10,481	2,164	26.0%
14.8%	8,304	10,444	2,140	25.8%
16.0%	8,218	10,318	2,100	25.6%
17.3%	8,192	10,178	1,986	24.2%
18.5%	8,177	10,037	1,860	22.7%
19.8%	8,035	10,034	1,999	24.9%
21.0%	8,021	10,031	2,010	25.1%
22.2%	7,938	9,939	2,000	25.2%
23.5%	7,866	9,821	1,954	24.8%
24.7%	7,837	9,683	1,846	23.6%
25.9%	7,833	9,628	1,795	22.9%
27.2%	7,774	9,595	1,821	23.4%
28.4%	7,683	9,446	1,763	22.9%
29.6%	7,681	9,441	1,760	22.9%
30.9%	7,661	9,375	1,714	22.4%
32.1%	7,521	8,952	1,431	19.0%
33.3%	7,520	8,817	1,297	17.2%
34.6%	7,498	8,683	1,184	15.8%
35.8%	7,494	8,641	1,147	15.3%
37.0%	7,477	8,621	1,143	15.3%
38.3%	7,365	8,592	1,226	16.7%
39.5%	7,362	8,534	1,172	15.9%
40.7%	7,313	8,421	1,108	15.1%
42.0%	7,241	8,406	1,165	16.1%
43.2%	7,205	8,362	1,156	16.0%
44.4%	7,045	8,355	1,310	18.6%
45.7%	6,831	8,350	1,519	22.2%
46.9%	6,678	8,215	1,538	23.0%
48.1%	6,661	8,105	1,444	21.7%
49.4%	6,629	8,089	1,460	22.0%
50.6%	6,624	8,060	1,435	21.7%
51.9%	6,592	7,929	1,337	20.3%
53.1%	6,582	7,621	1,039	15.8%
54.3%	6,530	7,405	875	13.4%
55.6%	6,483	7,374	891	13.7%
56.8%	6,278	7,262	984	15.7%
58.0%	6,268	7,255	987	15.8%
59.3%	6,017	7,146	1,130	18.8%
60.5%	6,015	7,006	991	16.5%
61.7%	5,970	6,986	1,015	17.0%
63.0%	5,820	6,956	1,136	19.5%
64.2%	5,758	6,947	1,189	20.6%
65.4%	5,720	6,897	1,178	20.6%
66.7%	5,695	6,882	1,187	20.8%
67.9%	5,681	6,857	1,177	20.7%
69.1%	5,669	6,785	1,115	19.7%
70.4%	5,632	6,728	1,096	19.5%
71.6%	5,483	6,662	1,179	21.5%
72.8%	5,471	6,594	1,122	20.5%
74.1%	5,426	6,481	1,054	19.4%
75.3%	5,318	6,413	1,094	20.6%
76.5%	5,177	6,325	1,148	22.2%
77.8%	5,172	6,263	1,091	21.1%
79.0%	5,172	6,177	1,005	19.4%
80.2%	5,142	6,162	1,020	19.8%
81.5%	5,129	6,089	960	18.7%
82.7%	5,129	6,088	959	18.7%
84.0%	5,111	5,908	797	15.6%
85.2%	5,107	5,827	720	14.1%
86.4%	5,104	5,755	650	12.7%
87.7%	5,102	5,693	591	11.6%
88.9%	5,089	5,649	560	11.0%
90.1%	5,080	5,629	549	10.8%
91.4%	4,969	5,353	384	7.7%
92.6%	4,904	5,319	414	8.4%
93.8%	4,442	5,248	806	18.2%
95.1%	4,408	5,238	830	18.8%
96.3%	4,326	5,180	854	19.7%
97.5%	4,096	5,050	954	23.3%
98.8%	3,917	5,000	1,083	27.7%
100.0%	3,541	4,692	1,151	32.5%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,343	11,904	2,560	27.4%
1.2%	9,246	10,287	1,041	11.3%
2.5%	9,013	9,917	904	10.0%
3.7%	8,999	9,550	550	6.1%
4.9%	8,660	9,259	599	6.9%
6.2%	8,540	8,667	127	1.5%
7.4%	8,349	8,420	71	0.9%
8.6%	8,220	8,304	84	1.0%
9.9%	8,206	8,215	9	0.1%
11.1%	8,033	8,144	111	1.4%
12.3%	7,373	7,769	396	5.4%
13.6%	7,162	7,532	370	5.2%
14.8%	6,977	7,526	548	7.9%
16.0%	6,820	7,513	693	10.2%
17.3%	6,776	7,456	680	10.0%
18.5%	6,739	7,434	696	10.3%
19.8%	6,667	7,351	684	10.3%
21.0%	6,631	7,273	642	9.7%
22.2%	6,610	7,259	649	9.8%
23.5%	6,555	7,197	642	9.8%
24.7%	6,527	7,179	652	10.0%
25.9%	6,383	7,102	718	11.3%
27.2%	6,342	7,007	665	10.5%
28.4%	6,307	6,983	675	10.7%
29.6%	6,196	6,957	761	12.3%
30.9%	6,181	6,925	744	12.0%
32.1%	6,118	6,850	733	12.0%
33.3%	6,094	6,521	426	7.0%
34.6%	5,980	6,406	426	7.1%
35.8%	5,868	6,373	504	8.6%
37.0%	5,685	6,338	653	11.5%
38.3%	5,662	6,335	673	11.9%
39.5%	5,616	6,325	709	12.6%
40.7%	5,534	6,314	780	14.1%
42.0%	5,516	6,301	785	14.2%
43.2%	5,503	6,136	633	11.5%
44.4%	5,374	6,048	674	12.5%
45.7%	5,219	5,987	768	14.7%
46.9%	5,217	5,980	762	14.6%
48.1%	5,186	5,953	767	14.8%
49.4%	5,171	5,883	712	13.8%
50.6%	5,130	5,882	751	14.6%
51.9%	5,122	5,855	733	14.3%
53.1%	5,122	5,798	676	13.2%
54.3%	5,087	5,762	675	13.3%
55.6%	5,070	5,757	687	13.5%
56.8%	5,066	5,649	583	11.5%
58.0%	5,062	5,602	540	10.7%
59.3%	5,061	5,600	539	10.7%
60.5%	5,055	5,568	514	10.2%
61.7%	5,053	5,509	456	9.0%
63.0%	5,030	5,480	450	9.0%
64.2%	5,029	5,424	395	7.8%
65.4%	5,029	5,332	303	6.0%
66.7%	5,029	5,328	299	5.9%
67.9%	5,024	5,305	280	5.6%
69.1%	5,023	5,294	272	5.4%
70.4%	5,019	5,258	239	4.8%
71.6%	5,018	5,247	229	4.6%
72.8%	5,016	5,229	213	4.3%
74.1%	5,012	5,210	197	3.9%
75.3%	5,012	5,151	139	2.8%
76.5%	5,011	5,132	121	2.4%
77.8%	5,010	5,120	110	2.2%
79.0%	4,994	5,089	95	1.9%
80.2%	4,951	5,087	136	2.7%
81.5%	4,837	5,068	231	4.8%
82.7%	4,555	5,066	511	11.2%
84.0%	4,546	5,048	502	11.0%
85.2%	4,533	5,044	511	11.3%
86.4%	4,532	5,035	503	11.1%
87.7%	4,530	5,029	499	11.0%
88.9%	4,510	5,016	506	11.2%
90.1%	4,441	5,011	570	12.8%
91.4%	4,182	5,000	818	19.6%
92.6%	4,038	4,896	857	21.2%
93.8%	4,013	4,664	651	16.2%
95.1%	4,009	4,533	524	13.1%
96.3%	3,563	4,508	945	26.5%
97.5%	3,517	4,261	743	21.1%
98.8%	3,505	3,781	276	7.9%
100.0%	3,461	3,742	282	8.1%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	15,000	15,000	0	0.0%
3.7%	14,634	15,000	366	2.5%
4.9%	14,255	15,000	745	5.2%
6.2%	13,378	15,000	1,622	12.1%
7.4%	13,133	15,000	1,867	14.2%
8.6%	13,068	15,000	1,932	14.8%
9.9%	12,990	15,000	2,010	15.5%
11.1%	12,848	13,698	850	6.6%
12.3%	12,746	13,483	737	5.8%
13.6%	12,730	13,419	689	5.4%
14.8%	12,706	13,156	449	3.5%
16.0%	12,542	13,125	582	4.6%
17.3%	12,453	12,969	516	4.1%
18.5%	11,980	12,840	860	7.2%
19.8%	11,924	12,607	683	5.7%
21.0%	11,720	12,514	793	6.8%
22.2%	11,664	12,394	730	6.3%
23.5%	11,385	12,298	913	8.0%
24.7%	11,348	12,244	896	7.9%
25.9%	10,955	12,201	1,246	11.4%
27.2%	10,859	12,198	1,339	12.3%
28.4%	10,213	11,811	1,598	15.6%
29.6%	10,080	10,054	-27	-0.3%
30.9%	9,532	10,050	517	5.4%
32.1%	9,329	9,862	533	5.7%
33.3%	9,123	9,551	428	4.7%
34.6%	8,969	9,497	528	5.9%
35.8%	8,500	8,485	-15	-0.2%
37.0%	8,366	8,477	111	1.3%
38.3%	8,236	8,210	-26	-0.3%
39.5%	7,644	8,207	562	7.4%
40.7%	7,286	7,952	665	9.1%
42.0%	6,958	7,813	855	12.3%
43.2%	6,939	7,772	833	12.0%
44.4%	6,653	7,647	994	14.9%
45.7%	6,321	7,481	1,160	18.4%
46.9%	6,289	7,140	851	13.5%
48.1%	6,168	7,044	876	14.2%
49.4%	6,166	6,933	766	12.4%
50.6%	5,872	6,837	965	16.4%
51.9%	5,844	6,713	869	14.9%
53.1%	5,830	6,703	873	15.0%
54.3%	5,787	6,675	888	15.3%
55.6%	5,776	6,595	819	14.2%
56.8%	5,686	6,561	875	15.4%
58.0%	5,635	6,366	731	13.0%
59.3%	5,625	6,218	593	10.6%
60.5%	5,561	6,218	657	11.8%
61.7%	5,530	6,192	662	12.0%
63.0%	5,514	6,101	587	10.7%
64.2%	5,459	6,060	601	11.0%
65.4%	5,399	5,924	525	9.7%
66.7%	5,382	5,912	531	9.9%
67.9%	5,346	5,901	556	10.4%
69.1%	5,305	5,889	584	11.0%
70.4%	5,175	5,821	646	12.5%
71.6%	5,135	5,811	676	13.2%
72.8%	5,112	5,810	698	13.7%
74.1%	5,073	5,802	728	14.4%
75.3%	5,071	5,723	652	12.9%
76.5%	5,064	5,716	652	12.9%
77.8%	5,058	5,634	576	11.4%
79.0%	4,779	5,629	850	17.8%
80.2%	4,596	5,555	959	20.9%
81.5%	4,554	5,531	977	21.5%
82.7%	4,526	5,493	967	21.4%
84.0%	4,513	5,432	918	20.3%
85.2%	4,403	5,404	1,001	22.7%
86.4%	4,397	5,300	903	20.5%
87.7%	4,311	5,285	974	22.6%
88.9%	4,075	5,227	1,153	28.3%
90.1%	4,061	5,129	1,068	26.3%
91.4%	4,007	5,000	993	24.8%
92.6%	3,891	5,000	1,109	28.5%
93.8%	3,881	5,000	1,119	28.8%
95.1%	3,514	5,000	1,486	42.3%
96.3%	3,506	5,000	1,494	42.6%
97.5%	3,505	4,334	829	23.7%
98.8%	3,278	4,223	945	28.8%
100.0%	3,255	3,505	250	7.7%

Table SW-16-9a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	9,820	12,863	18,495	25,931	30,404	26,889	19,097	15,187	13,381	17,084	13,130	15,705
Difference	562	710	-589	-1,072	-1,037	-1,536	-344	-106	464	1,246	715	1,002
Percent Difference[3]	6.1%	5.8%	-3.1%	-4.0%	-3.3%	-5.4%	-1.8%	-0.7%	3.6%	7.9%	5.8%	6.8%
	Water Year Types[2]											
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 D	12,406	16,292	20,513	43,470	48,643	42,605	31,797	25,544	18,512	17,099	12,413	24,264
Difference	1,161	525	-970	-733	-703	-727	-289	-117	716	1,162	32	1,237
Percent Difference	10.3%	3.3%	-4.5%	-1.7%	-1.4%	-1.7%	-0.9%	-0.5%	4.0%	7.3%	0.3%	5.4%
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 D	10,899	15,513	18,391	30,790	36,866	37,095	21,295	16,377	13,474	19,172	13,893	18,355
Difference	798	1,526	-1,565	-1,893	-1,389	-1,649	-623	-101	313	1,755	180	1,022
Percent Difference	7.9%	10.9%	-7.8%	-5.8%	-3.6%	-4.3%	-2.8%	-0.6%	2.4%	10.1%	1.3%	5.9%
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 D	9,877	12,725	22,615	17,101	24,541	17,930	13,334	10,530	11,063	18,000	13,365	10,365
Difference	480	806	389	-2,073	-789	-2,183	-531	-235	440	1,658	247	582
Percent Difference	5.1%	6.8%	1.7%	-10.8%	-3.1%	-10.9%	-3.8%	-2.2%	4.1%	10.1%	1.9%	5.9%
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 D	7,721	10,441	18,208	13,760	16,838	14,834	10,472	8,779	10,510	17,018	14,909	10,868
Difference	19	731	-114	-671	-1,470	-2,805	-311	21	283	1,054	1,578	1,262
Percent Difference	0.2%	7.5%	-0.6%	-4.7%	-8.0%	-15.9%	-2.9%	0.2%	2.8%	6.6%	11.8%	13.1%
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 D	6,219	6,578	9,854	11,632	11,613	11,164	9,045	6,599	9,184	13,996	10,979	7,999
Difference	-63	152	-640	-420	-1,047	-518	-15	-125	366	728	1,979	570
Percent Difference	-1.0%	2.4%	-6.1%	-3.5%	-8.3%	-4.4%	-0.2%	-1.9%	4.1%	5.5%	22.0%	7.7%

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-16-9b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

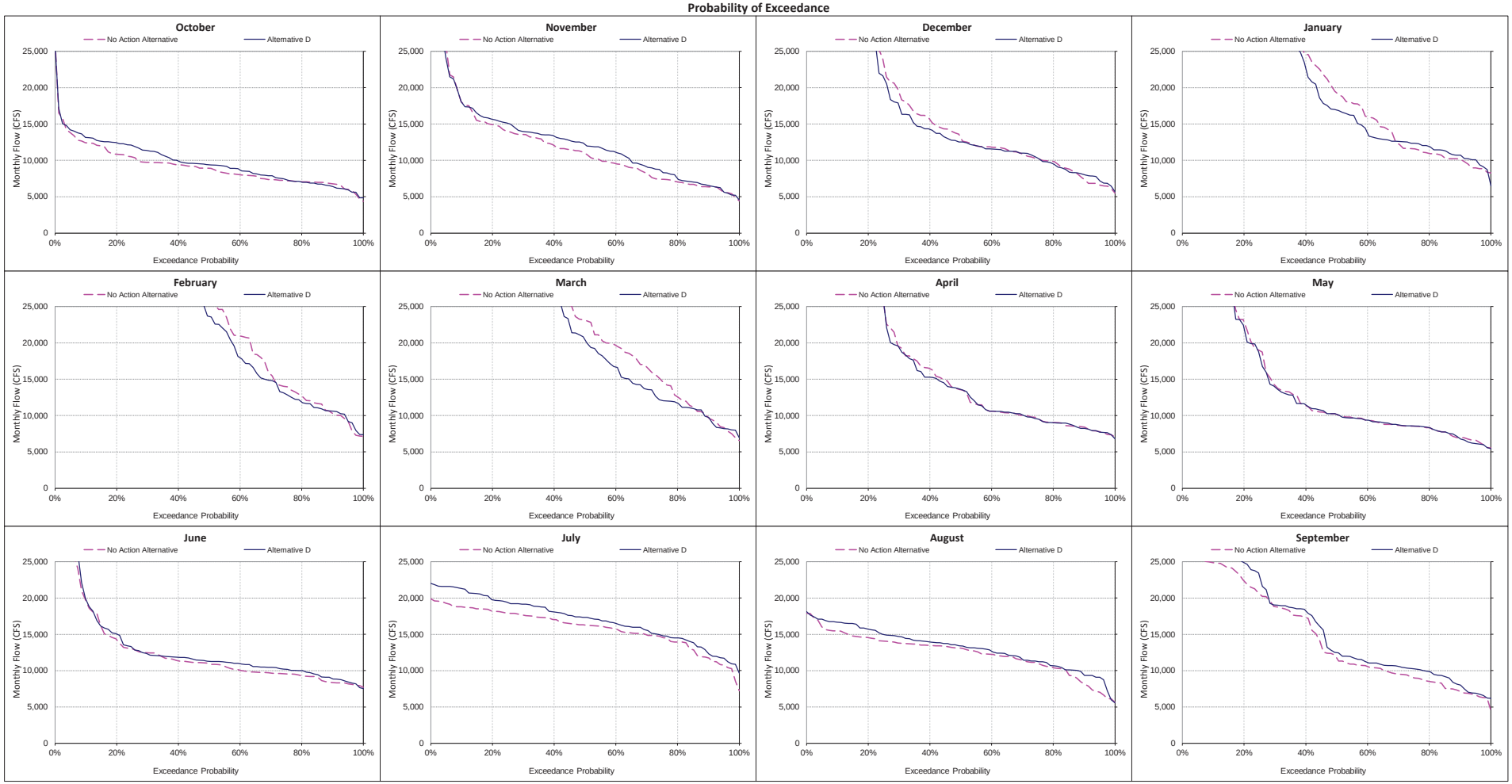

Table SW-16-9b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,681	26,232	-448	-1.7%
1.2%	16,511	17,137	626	3.8%
2.5%	15,779	15,056	-723	-4.6%
3.7%	14,246	14,816	570	4.0%
4.9%	13,804	14,207	403	2.9%
6.2%	13,396	14,023	627	4.7%
7.4%	12,771	13,785	1,014	7.9%
8.6%	12,655	13,664	1,009	8.0%
9.9%	12,427	13,165	738	5.9%
11.1%	12,402	13,139	737	5.9%
12.3%	12,337	13,056	720	5.8%
13.6%	12,073	12,735	662	5.5%
14.8%	12,012	12,642	629	5.2%
16.0%	11,861	12,574	713	6.0%
17.3%	11,162	12,562	1,400	12.5%
18.5%	10,910	12,479	1,570	14.4%
19.8%	10,847	12,463	1,616	14.9%
21.0%	10,825	12,287	1,462	13.5%
22.2%	10,780	12,283	1,503	13.9%
23.5%	10,591	12,151	1,560	14.7%
24.7%	10,497	12,128	1,632	15.5%
25.9%	10,378	11,895	1,517	14.6%
27.2%	9,834	11,695	1,861	18.9%
28.4%	9,767	11,410	1,643	16.8%
29.6%	9,738	11,388	1,650	16.9%
30.9%	9,734	11,273	1,539	15.8%
32.1%	9,708	11,249	1,541	15.9%
33.3%	9,689	11,088	1,400	14.4%
34.6%	9,673	10,780	1,107	11.4%
35.8%	9,655	10,568	913	9.5%
37.0%	9,634	10,379	745	7.7%
38.3%	9,492	10,057	566	6.0%
39.5%	9,398	10,033	635	6.8%
40.7%	9,375	9,759	384	4.1%
42.0%	9,333	9,657	324	3.5%
43.2%	9,224	9,609	385	4.2%
44.4%	9,220	9,607	387	4.2%
45.7%	9,126	9,575	449	4.9%
46.9%	8,950	9,540	591	6.6%
48.1%	8,946	9,511	564	6.3%
49.4%	8,920	9,435	515	5.8%
50.6%	8,893	9,367	474	5.3%
51.9%	8,682	9,353	670	7.7%
53.1%	8,461	9,331	870	10.3%
54.3%	8,351	9,255	904	10.8%
55.6%	8,219	9,168	949	11.5%
56.8%	8,127	8,913	785	9.7%
58.0%	8,126	8,903	777	9.6%
59.3%	8,069	8,852	783	9.7%
60.5%	7,977	8,553	576	7.2%
61.7%	7,955	8,512	556	7.0%
63.0%	7,908	8,468	560	7.1%
64.2%	7,892	8,214	323	4.1%
65.4%	7,824	8,142	318	4.1%
66.7%	7,506	8,007	502	6.7%
67.9%	7,465	7,954	489	6.5%
69.1%	7,368	7,888	519	7.1%
70.4%	7,355	7,877	522	7.1%
71.6%	7,335	7,627	292	4.0%
72.8%	7,270	7,552	282	3.9%
74.1%	7,270	7,472	202	2.8%
75.3%	7,188	7,287	99	1.4%
76.5%	7,184	7,145	-39	-0.5%
77.8%	7,136	7,137	1	0.0%
79.0%	7,100	7,114	14	0.2%
80.2%	7,041	6,998	-44	-0.6%
81.5%	7,040	6,979	-61	-0.9%
82.7%	7,001	6,878	-123	-1.8%
84.0%	7,000	6,867	-133	-1.9%
85.2%	6,992	6,749	-244	-3.5%
86.4%	6,989	6,728	-261	-3.7%
87.7%	6,934	6,593	-340	-4.9%
88.9%	6,837	6,527	-310	-4.5%
90.1%	6,783	6,388	-395	-5.8%
91.4%	6,701	6,189	-512	-7.6%
92.6%	6,565	6,145	-420	-6.4%
93.8%	6,071	6,079	8	0.1%
95.1%	6,006	5,947	-59	-1.0%
96.3%	5,820	5,637	-183	-3.1%
97.5%	5,322	5,624	301	5.7%
98.8%	4,685	4,868	183	3.9%
100.0%	4,369	4,846	477	10.9%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,249	41,113	-1,136	-2.7%
1.2%	41,216	41,015	-201	-0.5%
2.5%	28,205	28,147	-58	-0.2%
3.7%	26,012	27,525	1,513	5.8%
4.9%	25,779	24,035	-1,743	-6.8%
6.2%	21,784	21,495	-289	-1.3%
7.4%	21,475	21,179	-296	-1.4%
8.6%	19,690	19,716	25	0.1%
9.9%	18,033	18,086	53	0.3%
11.1%	17,584	17,369	-215	-1.2%
12.3%	17,537	17,350	-186	-1.1%
13.6%	16,614	17,164	550	3.3%
14.8%	15,538	16,528	990	6.4%
16.0%	15,359	16,156	797	5.2%
17.3%	15,358	15,906	547	3.6%
18.5%	15,056	15,841	784	5.2%
19.8%	14,939	15,665	726	4.9%
21.0%	14,828	15,551	724	4.9%
22.2%	14,687	15,388	701	4.8%
23.5%	14,232	15,243	1,012	7.1%
24.7%	13,989	15,162	1,173	8.4%
25.9%	13,873	14,977	1,104	8.0%
27.2%	13,693	14,572	879	6.4%
28.4%	13,586	14,146	560	4.1%
29.6%	13,582	13,980	398	2.9%
30.9%	13,530	13,923	393	2.9%
32.1%	13,241	13,876	635	4.8%
33.3%	13,192	13,800	608	4.6%
34.6%	13,054	13,719	666	5.1%
35.8%	12,949	13,554	605	4.7%
37.0%	12,382	13,506	1,124	9.1%
38.3%	12,364	13,501	1,137	9.2%
39.5%	12,187	13,427	1,240	10.2%
40.7%	11,833	13,175	1,343	11.3%
42.0%	11,618	13,019	1,401	12.1%
43.2%	11,617	12,939	1,322	11.4%
44.4%	11,533	12,820	1,288	11.2%
45.7%	11,477	12,627	1,150	10.0%
46.9%	11,338	12,545	1,207	10.6%
48.1%	11,319	12,530	1,211	10.7%
49.4%	11,132	12,401	1,269	11.4%
50.6%	10,814	11,958	1,144	10.6%
51.9%	10,363	11,939	1,576	15.2%
53.1%	10,203	11,878	1,675	16.4%
54.3%	10,153	11,858	1,705	16.8%
55.6%	9,867	11,655	1,788	18.1%
56.8%	9,863	11,418	1,555	15.8%
58.0%	9,693	11,270	1,578	16.3%
59.3%	9,620	11,241	1,621	16.8%
60.5%	9,499	11,028	1,528	16.1%
61.7%	9,454	10,889	1,435	15.2%
63.0%	9,257	10,570	1,313	14.2%
64.2%	9,038	10,301	1,264	14.0%
65.4%	8,974	9,630	656	7.3%
66.7%	8,972	9,625	652	7.3%
67.9%	8,603	9,459	856	10.0%
69.1%	8,370	9,271	901	10.8%
70.4%	8,141	9,043	902	11.1%
71.6%	7,635	8,977	1,341	17.6%
72.8%	7,464	8,793	1,330	17.8%
74.1%	7,406	8,777	1,371	18.5%
75.3%	7,401	8,298	898	12.1%
76.5%	7,380	8,270	891	12.1%
77.8%	7,283	8,112	829	11.4%
79.0%	7,105	8,026	920	13.0%
80.2%	7,029	7,356	327	4.7%
81.5%	6,935	7,238	303	4.4%
82.7%	6,787	7,159	372	5.5%
84.0%	6,708	7,091	383	5.7%
85.2%	6,687	7,028	341	5.1%
86.4%	6,540	6,943	402	6.2%
87.7%	6,383	6,746	362	5.7%
88.9%	6,382	6,669	287	4.5%
90.1%	6,366	6,519	153	2.4%
91.4%	6,359	6,406	47	0.7%
92.6%	6,345	6,323	-22	-0.3%
93.8%	5,978	6,250	272	4.5%
95.1%	5,571	5,620	48	0.9%
96.3%	5,544	5,470	-74	-1.3%
97.5%	5,421	5,241	-180	-3.3%
98.8%	4,883	5,208	325	6.7%
100.0%	4,426	4,563	137	3.1%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,305	62,323	19	0.0%
1.2%	56,655	55,135	-1,520	-2.7%
2.5%	55,804	54,933	-872	-1.6%
3.7%	53,645	53,344	-301	-0.6%
4.9%	49,549	50,700	1,151	2.3%
6.2%	47,680	47,233	-447	-0.9%
7.4%	46,598	46,517	-81	-0.2%
8.6%	41,658	39,591	-2,067	-5.0%
9.9%	39,568	39,231	-337	-0.9%
11.1%	39,070	38,341	-729	-1.9%
12.3%	38,714	34,917	-3,797	-9.8%
13.6%	35,411	34,803	-608	-1.7%
14.8%	34,559	34,630	71	0.2%
16.0%	31,082	32,843	1,761	5.7%
17.3%	30,613	32,069	1,456	4.8%
18.5%	30,317	29,993	-324	-1.1%
19.8%	30,228	27,025	-3,203	-10.6%
21.0%	29,838	26,353	-3,485	-11.7%
22.2%	29,106	26,297	-2,808	-9.6%
23.5%	25,261	21,976	-3,284	-13.0%
24.7%	24,054	21,627	-2,427	-10.1%
25.9%	21,469	20,535	-934	-4.4%
27.2%	20,805	18,368	-2,437	-11.7%
28.4%	20,615	18,062	-2,554	-12.4%
29.6%	19,773	17,914	-1,858	-9.4%
30.9%	18,306	16,335	-1,971	-10.8%
32.1%	18,070	16,324	-1,746	-9.7%
33.3%	17,598	16,280	-1,318	-7.5%
34.6%	16,818	15,214	-1,604	-9.5%
35.8%	16,419	14,711	-1,709	-10.4%
37.0%	16,185	14,633	-1,552	-9.6%
38.3%	16,177	14,345	-1,832	-11.3%
39.5%	15,904	14,334	-1,571	-9.9%
40.7%	15,181	14,142	-1,040	-6.8%
42.0%	14,796	13,721	-1,075	-7.3%
43.2%	14,543	13,710	-832	-5.7%
44.4%	14,337	13,273	-1,064	-7.4%
45.7%	14,298	13,033	-1,265	-8.8%
46.9%	14,028	12,774	-1,254	-8.9%
48.1%	13,779	12,733	-1,046	-7.6%
49.4%	13,596	12,540	-1,056	-7.8%
50.6%	12,624	12,533	-91	-0.7%
51.9%	12,514	12,424	-90	-0.7%
53.1%	12,385	12,188	-197	-1.6%
54.3%	12,109	12,093	-16	-0.1%
55.6%	11,932	11,990	58	0.5%
56.8%	11,888	11,875	-13	-0.1%
58.0%	11,865	11,590	-275	-2.3%
59.3%	11,862	11,588	-274	-2.3%
60.5%	11,811	11,550	-261	-2.2%
61.7%	11,792	11,520	-272	-2.3%
63.0%	11,717	11,499	-218	-1.9%
64.2%	11,616	11,281	-335	-2.9%
65.4%	11,391	11,265	-127	-1.1%
66.7%	11,194	11,242	48	0.4%
67.9%	11,161	11,224	62	0.6%
69.1%	11,031	11,004	-27	-0.2%
70.4%	10,776	10,999	223	2.1%
71.6%	10,574	10,958	385	3.6%
72.8%	10,476	10,759	283	2.7%
74.1%	10,291	10,492	202	2.0%
75.3%	10,198	10,237	39	0.4%
76.5%	9,965	9,847	-118	-1.2%
77.8%	9,939	9,825	-114	-1.1%
79.0%	9,906	9,701	-205	-2.1%
80.2%	9,828	9,458	-369	-3.8%
81.5%	9,463	9,084	-379	-4.0%
82.7%	9,030	8,974	-57	-0.6%
84.0%	8,940	8,758	-182	-2.0%
85.2%	8,809	8,374	-435	-4.9%
86.4%	8,470	8,311	-159	-1.9%
87.7%	8,206	8,305	99	1.2%
88.9%	7,757	8,151	394	5.1%
90.1%	7,326	8,002	676	9.2%
91.4%	6,847	7,940	1,093	16.0%
92.6%	6,846	7,871	1,025	15.0%
93.8%	6,832	7,801	969	14.2%
95.1%	6,601	7,183	582	8.8%
96.3%	6,480	6,874	394	6.1%
97.5%	6,440	6,853	414	6.4%
98.8%	6,100	6,467	367	6.0%
100.0%	5,504	5,678	174	3.2%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,167	70,656	-511	-0.7%
1.2%	70,077	69,858	-219	-0.3%
2.5%	62,642	62,646	4	0.0%
3.7%	62,469	61,888	-582	-0.9%
4.9%	58,916	58,309	-606	-1.0%
6.2%	58,137	58,263	127	0.2%
7.4%	56,778	55,666	-1,112	-2.0%
8.6%	55,106	53,716	-1,390	-2.5%
9.9%	54,766	52,883	-1,883	-3.4%
11.1%	52,513	52,452	-61	-0.1%
12.3%	50,642	49,206	-1,436	-2.8%
13.6%	50,222	48,356	-1,865	-3.7%
14.8%	49,209	48,111	-1,098	-2.2%
16.0%	49,206	47,624	-1,582	-3.2%
17.3%	48,130	47,190	-940	-2.0%
18.5%	48,045	46,471	-1,574	-3.3%
19.8%	47,392	45,504	-1,888	-4.0%
21.0%	45,998	44,787	-1,210	-2.6%
22.2%	44,251	42,622	-1,629	-3.7%
23.5%	43,614	41,025	-2,589	-5.9%
24.7%	42,283	40,712	-1,570	-3.7%
25.9%	40,709	40,443	-266	-0.7%
27.2%	40,694	36,695	-3,999	-9.8%
28.4%	39,567	36,681	-2,886	-7.3%
29.6%	36,883	35,210	-1,673	-4.5%
30.9%	36,157	33,343	-2,814	-7.8%
32.1%	33,214	32,126	-1,089	-3.3%
33.3%	32,124	31,340	-785	-2.4%
34.6%	29,948	27,443	-2,505	-8.4%
35.8%	29,568	26,387	-3,181	-10.8%
37.0%	27,143	25,635	-1,509	-5.6%
38.3%	27,032	24,864	-2,168	-8.0%
39.5%	24,577	23,498	-1,079	-4.4%
40.7%	24,568	21,435	-3,133	-12.8%
42.0%	23,508	20,805	-2,703	-11.5%
43.2%	23,043	20,484	-2,559	-11.1%
44.4%	22,552	18,618	-3,935	-17.4%
45.7%	21,773	17,822	-3,951	-18.1%
46.9%	21,197	17,546	-3,651	-17.2%
48.1%	20,325	17,054	-3,271	-16.1%
49.4%	19,519	16,991	-2,528	-13.0%
50.6%	19,047	16,855	-2,192	-11.5%
51.9%	18,784	16,613	-2,170	-11.6%
53.1%	18,090	16,455	-1,635	-9.0%
54.3%	18,028	16,234	-1,794	-10.0%
55.6%	17,808	16,211	-1,597	-9.0%
56.8%	17,749	15,061	-2,688	-15.1%
58.0%	17,425	14,857	-2,568	-14.7%
59.3%	16,080	14,444	-1,636	-10.2%
60.5%	15,926	13,331	-2,595	-16.3%
61.7%	15,849	13,208	-2,641	-16.7%
63.0%	15,516	13,041	-2,475	-16.0%
64.2%	14,610	12,957	-1,653	-11.3%
65.4%	14,536	12,866	-1,670	-11.5%
66.7%	14,243	12,810	-1,433	-10.1%
67.9%	13,891	12,636	-1,255	-9.0%
69.1%	12,495	12,632	138	1.1%
70.4%	12,178	12,587	409	3.4%
71.6%	11,669	12,566	896	7.7%
72.8%	11,665	12,530	865	7.4%
74.1%	11,637	12,357	720	6.2%
75.3%	11,593	12,343	751	6.5%
76.5%	11,444	12,302	858	7.5%
77.8%	11,130	12,058	928	8.3%
79.0%	11,059	12,035	976	8.8%
80.2%	10,937	11,880	943	8.6%
81.5%	10,912	11,439	526	4.8%
82.7%	10,843	11,436	593	5.5%
84.0%	10,713	11,415	703	6.6%
85.2%	10,289	11,298	1,009	9.8%
86.4%	10,239	10,979	740	7.2%
87.7%	10,229	10,771	541	5.3%
88.9%	10,217	10,717	500	4.9%
90.1%	10,156	10,700	544	5.4%
91.4%	9,840	10,259	419	4.3%
92.6%	9,509	10,228	718	7.6%
93.8%	8,975	10,094	1,119	12.5%
95.1%	8,962	10,090	1,128	12.6%
96.3%	8,856	9,401	545	6.1%
97.5%	8,854	9,098	244	2.8%
98.8%	8,369	8,730	361	4.3%
100.0%	8,273	6,478	-1,795	-21.7%

Table SW-16-9b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,468	73,317	850	1.2%
1.2%	66,154	66,380	226	0.3%
2.5%	65,164	64,920	-244	-0.4%
3.7%	62,890	62,891	1	0.0%
4.9%	60,471	60,476	5	0.0%
6.2%	60,156	60,370	214	0.4%
7.4%	59,962	60,157	195	0.3%
8.6%	59,746	59,208	-539	-0.9%
9.9%	59,569	58,978	-591	-1.0%
11.1%	58,689	58,117	-571	-1.0%
12.3%	58,133	57,249	-884	-1.5%
13.6%	57,369	56,315	-1,053	-1.8%
14.8%	56,117	55,822	-296	-0.5%
16.0%	55,772	55,772	0	0.0%
17.3%	55,519	55,521	1	0.0%
18.5%	54,896	54,451	-445	-0.8%
19.8%	52,352	50,549	-1,803	-3.4%
21.0%	49,847	48,370	-1,477	-3.0%
22.2%	49,215	47,800	-1,415	-2.9%
23.5%	48,454	47,311	-1,143	-2.4%
24.7%	44,871	44,220	-651	-1.5%
25.9%	43,929	42,741	-1,187	-2.7%
27.2%	42,987	42,639	-347	-0.8%
28.4%	42,519	42,288	-232	-0.5%
29.6%	42,409	41,719	-689	-1.6%
30.9%	42,397	41,433	-964	-2.3%
32.1%	41,728	41,325	-403	-1.0%
33.3%	41,486	40,215	-1,272	-3.1%
34.6%	41,017	39,527	-1,490	-3.6%
35.8%	40,554	39,261	-1,293	-3.2%
37.0%	40,214	38,976	-1,238	-3.1%
38.3%	39,676	38,430	-1,246	-3.1%
39.5%	37,562	37,156	-406	-1.1%
40.7%	36,607	36,935	327	0.9%
42.0%	33,680	32,531	-1,149	-3.4%
43.2%	32,515	29,713	-2,803	-8.6%
44.4%	31,855	29,432	-2,423	-7.6%
45.7%	31,822	27,674	-4,149	-13.0%
46.9%	29,172	26,508	-2,664	-9.1%
48.1%	28,899	25,245	-3,654	-12.6%
49.4%	26,830	23,685	-3,144	-11.7%
50.6%	26,563	23,545	-3,019	-11.4%
51.9%	25,250	22,566	-2,684	-10.6%
53.1%	24,612	22,563	-2,049	-8.3%
54.3%	24,586	22,032	-2,554	-10.4%
55.6%	23,530	21,519	-2,010	-8.5%
56.8%	21,906	20,460	-1,446	-6.6%
58.0%	21,025	19,566	-1,459	-6.9%
59.3%	21,000	18,159	-2,841	-13.5%
60.5%	20,902	17,800	-3,102	-14.8%
61.7%	20,768	17,169	-3,599	-17.3%
63.0%	20,660	17,125	-3,534	-17.1%
64.2%	18,452	16,615	-1,836	-10.0%
65.4%	18,376	15,788	-2,588	-14.1%
66.7%	18,012	15,173	-2,839	-15.8%
67.9%	17,441	15,007	-2,434	-14.0%
69.1%	15,998	14,880	-1,118	-7.0%
70.4%	15,461	14,796	-665	-4.3%
71.6%	14,449	14,557	109	0.8%
72.8%	14,172	13,312	-860	-6.1%
74.1%	14,022	13,125	-898	-6.4%
75.3%	13,968	12,839	-1,128	-8.1%
76.5%	13,510	12,519	-991	-7.3%
77.8%	13,257	12,254	-1,003	-7.6%
79.0%	12,951	12,175	-776	-6.0%
80.2%	12,600	11,749	-852	-6.8%
81.5%	12,061	11,672	-389	-3.2%
82.7%	12,021	11,623	-398	-3.3%
84.0%	11,755	11,102	-653	-5.6%
85.2%	11,652	11,074	-578	-5.0%
86.4%	11,579	10,942	-637	-5.5%
87.7%	10,754	10,689	-66	-0.6%
88.9%	10,594	10,639	45	0.4%
90.1%	10,242	10,601	359	3.5%
91.4%	10,061	10,524	463	4.6%
92.6%	10,011	10,259	248	2.5%
93.8%	9,587	10,181	594	6.2%
95.1%	9,174	9,197	23	0.2%
96.3%	7,894	9,012	1,118	14.2%
97.5%	7,300	7,949	648	8.9%
98.8%	7,196	7,393	197	2.7%
100.0%	7,145	7,362	217	3.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,020	69,022	2	0.0%
1.2%	67,784	67,055	-728	-1.1%
2.5%	62,846	62,683	-163	-0.3%
3.7%	60,526	60,081	-445	-0.7%
4.9%	59,935	59,934	-1	0.0%
6.2%	59,029	58,888	-141	-0.2%
7.4%	58,885	57,933	-952	-1.6%
8.6%	56,288	55,951	-337	-0.6%
9.9%	55,196	54,989	-208	-0.4%
11.1%	53,009	52,651	-358	-0.7%
12.3%	52,729	52,439	-290	-0.6%
13.6%	52,645	51,826	-820	-1.6%
14.8%	51,481	51,118	-363	-0.7%
16.0%	48,607	48,603	-4	0.0%
17.3%	47,761	47,762	1	0.0%
18.5%	47,686	47,676	-9	0.0%
19.8%	47,084	43,793	-3,292	-7.0%
21.0%	43,472	43,471	0	0.0%
22.2%	42,480	42,483	3	0.0%
23.5%	41,370	41,397	26	0.1%
24.7%	40,719	40,918	199	0.5%
25.9%	39,344	39,824	480	1.2%
27.2%	39,138	37,332	-1,806	-4.6%
28.4%	36,506	32,922	-3,584	-9.8%
29.6%	36,360	31,882	-4,478	-12.3%
30.9%	36,184	31,784	-4,400	-12.2%
32.1%	35,730	31,175	-4,555	-12.7%
33.3%	32,804	30,663	-2,141	-6.5%
34.6%	32,475	30,622	-1,853	-5.7%
35.8%	31,123	30,247	-876	-2.8%
37.0%	30,698	30,037	-661	-2.2%
38.3%	30,632	28,574	-2,059	-6.7%
39.5%	30,209	28,506	-1,703	-5.6%
40.7%	28,606	25,675	-2,931	-10.2%
42.0%	27,915	25,523	-2,392	-8.6%
43.2%	26,733	23,643	-3,090	-11.6%
44.4%	25,243	23,362	-1,881	-7.5%
45.7%	25,089	21,398	-3,691	-14.7%
46.9%	23,630	21,357	-2,273	-9.6%
48.1%	23,262	21,100	-2,162	-9.3%
49.4%	23,162	20,821	-2,341	-10.1%
50.6%	23,043	19,978	-3,065	-13.3%
51.9%	22,820	19,369	-3,451	-15.1%
53.1%	21,105	19,219	-1,886	-8.9%
54.3%	21,095	18,545	-2,549	-12.1%
55.6%	20,277	18,225	-2,052	-10.1%
56.8%	19,996	17,698	-2,298	-11.5%
58.0%	19,975	17,174	-2,801	-14.0%
59.3%	19,812	16,741	-3,071	-15.5%
60.5%	19,507	16,611	-2,897	-14.8%
61.7%	19,216	15,293	-3,923	-20.4%
63.0%	18,715	15,129	-3,586	-19.2%
64.2%	18,557	15,058	-3,498	-18.9%
65.4%	18,211	14,460	-3,751	-20.6%
66.7%	17,748	14,275	-3,473	-19.6%
67.9%	17,045	14,241	-2,803	-16.4%
69.1%	17,036	13,716	-3,320	-19.5%
70.4%	16,498	13,586	-2,911	-17.6%
71.6%	15,937	13,548	-2,389	-15.0%
72.8%	15,635	12,684	-2,951	-18.9%
74.1%	15,151	12,181	-2,970	-19.6%
75.3%	14,592	12,028	-2,564	-17.6%
76.5%	14,212	11,993	-2,219	-15.6%
77.8%	14,081	11,970	-2,111	-15.0%
79.0%	12,843	11,909	-934	-7.3%
80.2%	12,476	11,650	-826	-6.6%
81.5%	12,119	11,148	-972	-8.0%
82.7%	11,984	11,121	-864	-7.2%
84.0%	11,375	11,080	-295	-2.6%
85.2%	11,169	10,962	-207	-1.9%
86.4%	10,581	10,781	200	1.9%
87.7%	10,540	10,779	239	2.3%
88.9%	10,296	9,905	-391	-3.8%
90.1%	9,636	9,731	94	1.0%
91.4%	9,394	8,944	-450	-4.8%
92.6%	9,079	8,367	-712	-7.8%
93.8%	8,493	8,297	-196	-2.3%
95.1%	8,323	8,189	-134	-1.6%
96.3%	7,846	8,176	330	4.2%
97.5%	7,501	8,031	530	7.1%
98.8%	6,926	8,005	1,079	15.6%
100.0%	6,558	6,948	390	5.9%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,606	59,608	2	0.0%
1.2%	56,952	57,122	170	0.3%
2.5%	53,968	53,967	0	0.0%
3.7%	49,215	48,930	-285	-0.6%
4.9%	48,934	48,905	-30	-0.1%
6.2%	48,893	48,432	-461	-0.9%
7.4%	48,425	47,537	-888	-1.8%
8.6%	46,353	46,347	-5	0.0%
9.9%	45,645	45,645	0	0.0%
11.1%	42,911	40,180	-2,731	-6.4%
12.3%	38,249	38,254	5	0.0%
13.6%	35,500	35,377	-124	-0.3%
14.8%	34,515	34,490	-25	-0.1%
16.0%	34,097	32,711	-1,386	-4.1%
17.3%	33,157	32,395	-763	-2.3%
18.5%	32,674	30,217	-2,457	-7.5%
19.8%	32,557	29,223	-3,335	-10.2%
21.0%	30,211	29,024	-1,187	-3.9%
22.2%	29,004	27,580	-1,425	-4.9%
23.5%	28,444	27,134	-1,310	-4.6%
24.7%	26,464	26,578	115	0.4%
25.9%	22,571	22,064	-508	-2.2%
27.2%	22,081	20,030	-2,051	-9.3%
28.4%	21,461	19,769	-1,692	-7.9%
29.6%	19,562	19,568	6	0.0%
30.9%	19,273	18,695	-577	-3.0%
32.1%	18,209	18,313	104	0.6%
33.3%	18,208	17,828	-380	-2.1%
34.6%	17,828	17,623	-205	-1.1%
35.8%	17,528	16,178	-1,350	-7.7%
37.0%	16,833	16,042	-792	-4.7%
38.3%	16,598	15,305	-1,293	-7.8%
39.5%	16,551	15,273	-1,278	-7.7%
40.7%	16,299	15,259	-1,041	-6.4%
42.0%	15,433	15,124	-308	-2.0%
43.2%	15,241	14,739	-502	-3.3%
44.4%	14,953	14,533	-420	-2.8%
45.7%	14,749	14,013	-735	-5.0%
46.9%	14,006	13,905	-102	-0.7%
48.1%	13,819	13,815	-4	0.0%
49.4%	13,599	13,691	93	0.7%
50.6%	13,499	13,499	0	0.0%
51.9%	13,219	13,285	65	0.5%
53.1%	11,828	12,532	704	6.0%
54.3%	11,699	12,050	351	3.0%
55.6%	11,482	11,480	-2	0.0%
56.8%	11,473	11,352	-121	-1.1%
58.0%	10,804	10,803	-1	0.0%
59.3%	10,618	10,613	-6	-0.1%
60.5%	10,600	10,606	6	0.1%
61.7%	10,559	10,577	17	0.2%
63.0%	10,456	10,565	109	1.0%
64.2%	10,407	10,458	51	0.5%
65.4%	10,367	10,454	88	0.8%
66.7%	10,350	10,368	18	0.2%
67.9%	10,249	10,265	16	0.2%
69.1%	10,051	10,252	201	2.0%
70.4%	10,047	10,011	-35	-0.4%
71.6%	9,995	9,800	-195	-2.0%
72.8%	9,798	9,758	-40	-0.4%
74.1%	9,762	9,616	-146	-1.5%
75.3%	9,499	9,508	10	0.1%
76.5%	9,202	9,185	-17	-0.2%
77.8%	9,116	9,048	-67	-0.7%
79.0%	9,088	9,039	-48	-0.5%
80.2%	9,042	8,992	-50	-0.6%
81.5%	9,020	8,983	-37	-0.4%
82.7%	8,959	8,960	1	0.0%
84.0%	8,604	8,959	356	4.1%
85.2%	8,569	8,821	252	2.9%
86.4%	8,547	8,648	101	1.2%
87.7%	8,535	8,427	-107	-1.3%
88.9%	8,483	8,242	-240	-2.8%
90.1%	8,398	8,237	-161	-1.9%
91.4%	8,133	8,134	1	0.0%
92.6%	7,927	7,910	-17	-0.2%
93.8%	7,886	7,908	22	0.3%
95.1%	7,795	7,699	-96	-1.2%
96.3%	7,677	7,674	-2	0.0%
97.5%	7,407	7,649	241	3.3%
98.8%	7,369	7,370	1	0.0%
100.0%	7,057	6,793	-264	-3.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,374	48,204	-1,170	-2.4%
1.2%	47,028	46,934	-94	-0.2%
2.5%	44,132	44,153	21	0.0%
3.7%	41,851	41,742	-109	-0.3%
4.9%	38,526	38,153	-373	-1.0%
6.2%	36,637	36,521	-116	-0.3%
7.4%	34,792	34,739	-53	-0.2%
8.6%	34,247	34,540	293	0.9%
9.9%	33,606	34,139	533	1.6%
11.1%	31,932	33,498	1,566	4.9%
12.3%	31,887	31,843	-45	-0.1%
13.6%	31,807	31,812	4	0.0%
14.8%	31,719	31,728	10	0.0%
16.0%	27,277	27,280	4	0.0%
17.3%	24,594	23,249	-1,346	-5.5%
18.5%	23,256	23,197	-60	-0.3%
19.8%	23,200	22,454	-746	-3.2%
21.0%	21,781	20,093	-1,688	-7.7%
22.2%	20,212	19,888	-323	-1.6%
23.5%	19,306	19,872	566	2.9%
24.7%	19,013	18,779	-234	-1.2%
25.9%	18,752	16,761	-1,991	-10.6%
27.2%	15,944	15,959	16	0.1%
28.4%	15,194	14,299	-894	-5.9%
29.6%	14,298	14,082	-216	-1.5%
30.9%	13,762	13,628	-133	-1.0%
32.1%	13,481	13,237	-244	-1.8%
33.3%	13,337	13,002	-335	-2.5%
34.6%	13,256	12,835	-421	-3.2%
35.8%	12,906	12,824	-82	-0.6%
37.0%	12,821	11,671	-1,150	-9.0%
38.3%	11,671	11,666	-5	0.0%
39.5%	11,455	11,627	172	1.5%
40.7%	11,230	11,240	10	0.1%
42.0%	10,681	10,972	291	2.7%
43.2%	10,600	10,941	340	3.2%
44.4%	10,505	10,798	293	2.8%
45.7%	10,471	10,687	217	2.1%
46.9%	10,318	10,273	-45	-0.4%
48.1%	10,258	10,265	7	0.1%
49.4%	10,254	10,249	-4	0.0%
50.6%	10,047	10,071	24	0.2%
51.9%	9,921	9,775	-146	-1.5%
53.1%	9,817	9,686	-131	-1.3%
54.3%	9,797	9,683	-114	-1.2%
55.6%	9,679	9,679	0	0.0%
56.8%	9,674	9,606	-68	-0.7%
58.0%	9,616	9,555	-61	-0.6%
59.3%	9,381	9,407	25	0.3%
60.5%	9,360	9,364	4	0.0%
61.7%	9,268	9,135	-133	-1.4%
63.0%	9,103	9,133	30	0.3%
64.2%	8,978	9,119	141	1.6%
65.4%	8,806	9,015	209	2.4%
66.7%	8,798	8,978	180	2.0%
67.9%	8,783	8,800	17	0.2%
69.1%	8,687	8,785	98	1.1%
70.4%	8,637	8,687	50	0.6%
71.6%	8,584	8,634	49	0.6%
72.8%	8,563	8,599	36	0.4%
74.1%	8,560	8,585	25	0.3%
75.3%	8,556	8,564	8	0.1%
76.5%	8,513	8,556	43	0.5%
77.8%	8,487	8,495	7	0.1%
79.0%	8,328	8,414	86	1.0%
80.2%	8,323	8,325	1	0.0%
81.5%	7,947	8,061	114	1.4%
82.7%	7,879	7,886	6	0.1%
84.0%	7,765	7,763	-2	0.0%
85.2%	7,761	7,734	-27	-0.4%
86.4%	7,451	7,549	98	1.3%
87.7%	7,144	7,454	310	4.3%
88.9%	6,992	7,146	154	2.2%
90.1%	6,981	6,777	-205	-2.9%
91.4%	6,953	6,620	-333	-4.8%
92.6%	6,777	6,354	-422	-6.2%
93.8%	6,629	6,224	-405	-6.1%
95.1%	6,612	6,140	-472	-7.1%
96.3%	6,297	6,076	-221	-3.5%
97.5%	6,007	6,019	13	0.2%
98.8%	5,614	5,570	-44	-0.8%
100.0%	5,530	5,443	-87	-1.6%

Table SW-16-9b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,597	49,450	-147	-0.3%
1.2%	37,192	37,625	433	1.2%
2.5%	27,160	28,200	1,040	3.8%
3.7%	27,034	28,031	997	3.7%
4.9%	25,878	26,521	643	2.5%
6.2%	25,748	26,346	598	2.3%
7.4%	24,073	26,222	2,149	8.9%
8.6%	21,010	22,112	1,102	5.2%
9.9%	19,784	19,943	160	0.8%
11.1%	18,586	18,816	230	1.2%
12.3%	18,058	18,184	126	0.7%
13.6%	17,874	16,904	-971	-5.4%
14.8%	16,193	16,148	-45	-0.3%
16.0%	15,048	15,865	816	5.4%
17.3%	14,863	15,706	843	5.7%
18.5%	14,560	15,193	633	4.3%
19.8%	14,386	15,116	730	5.1%
21.0%	13,760	14,855	1,095	8.0%
22.2%	13,202	13,544	342	2.6%
23.5%	13,115	13,422	307	2.3%
24.7%	13,077	13,320	243	1.9%
25.9%	12,864	12,823	-40	-0.3%
27.2%	12,607	12,763	156	1.2%
28.4%	12,476	12,465	-11	-0.1%
29.6%	12,456	12,359	-97	-0.8%
30.9%	12,434	12,142	-292	-2.3%
32.1%	12,428	12,098	-330	-2.7%
33.3%	12,211	12,047	-165	-1.3%
34.6%	11,947	12,007	61	0.5%
35.8%	11,693	11,959	265	2.3%
37.0%	11,667	11,902	235	2.0%
38.3%	11,557	11,876	319	2.8%
39.5%	11,402	11,844	442	3.9%
40.7%	11,291	11,810	519	4.6%
42.0%	11,279	11,801	523	4.6%
43.2%	11,202	11,745	544	4.9%
44.4%	11,142	11,611	469	4.2%
45.7%	11,123	11,457	333	3.0%
46.9%	11,105	11,417	312	2.8%
48.1%	11,079	11,384	305	2.8%
49.4%	11,034	11,305	271	2.5%
50.6%	10,879	11,264	385	3.5%
51.9%	10,867	11,250	383	3.5%
53.1%	10,836	11,240	403	3.7%
54.3%	10,773	11,234	461	4.3%
55.6%	10,488	11,143	655	6.2%
56.8%	10,315	11,111	796	7.7%
58.0%	10,150	11,008	858	8.5%
59.3%	10,146	11,003	857	8.4%
60.5%	9,982	10,919	938	9.4%
61.7%	9,931	10,840	908	9.1%
63.0%	9,802	10,824	1,023	10.4%
64.2%	9,799	10,571	772	7.9%
65.4%	9,782	10,543	761	7.8%
66.7%	9,747	10,497	751	7.7%
67.9%	9,741	10,487	745	7.7%
69.1%	9,717	10,452	735	7.6%
70.4%	9,649	10,437	788	8.2%
71.6%	9,610	10,417	807	8.4%
72.8%	9,597	10,282	685	7.1%
74.1%	9,570	10,210	640	6.7%
75.3%	9,543	10,162	619	6.5%
76.5%	9,542	10,046	505	5.3%
77.8%	9,494	10,043	549	5.8%
79.0%	9,386	10,012	626	6.7%
80.2%	9,249	10,002	753	8.1%
81.5%	9,213	9,801	588	6.4%
82.7%	9,192	9,706	515	5.6%
84.0%	9,182	9,545	363	4.0%
85.2%	9,081	9,434	353	3.9%
86.4%	8,637	9,110	473	5.5%
87.7%	8,500	9,096	597	7.0%
88.9%	8,426	9,095	669	7.9%
90.1%	8,356	8,859	503	6.0%
91.4%	8,324	8,801	477	5.7%
92.6%	8,310	8,784	474	5.7%
93.8%	8,310	8,585	275	3.3%
95.1%	8,182	8,430	247	3.0%
96.3%	8,106	8,303	196	2.4%
97.5%	7,993	8,198	206	2.6%
98.8%	7,937	7,668	-269	-3.4%
100.0%	7,710	7,519	-191	-2.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,895	22,027	2,132	10.7%
1.2%	19,581	21,844	2,263	11.6%
2.5%	19,550	21,640	2,090	10.7%
3.7%	19,485	21,607	2,122	10.9%
4.9%	19,277	21,598	2,320	12.0%
6.2%	19,142	21,586	2,444	12.8%
7.4%	18,832	21,532	2,700	14.3%
8.6%	18,797	21,431	2,634	14.0%
9.9%	18,797	21,311	2,514	13.4%
11.1%	18,720	21,213	2,493	13.3%
12.3%	18,688	20,674	1,987	10.6%
13.6%	18,654	20,644	1,990	10.7%
14.8%	18,511	20,631	2,120	11.5%
16.0%	18,504	20,539	2,035	11.0%
17.3%	18,498	20,348	1,851	10.0%
18.5%	18,431	20,321	1,890	10.3%
19.8%	18,184	19,774	1,590	8.7%
21.0%	18,165	19,675	1,510	8.3%
22.2%	18,121	19,624	1,503	8.3%
23.5%	18,016	19,577	1,561	8.7%
24.7%	17,907	19,446	1,539	8.6%
25.9%	17,884	19,235	1,351	7.6%
27.2%	17,880	19,221	1,341	7.5%
28.4%	17,774	19,205	1,431	8.0%
29.6%	17,692	19,168	1,476	8.3%
30.9%	17,589	19,138	1,549	8.8%
32.1%	17,522	19,077	1,554	8.9%
33.3%	17,502	18,856	1,354	7.7%
34.6%	17,378	18,847	1,469	8.5%
35.8%	17,322	18,750	1,427	8.2%
37.0%	17,288	18,718	1,430	8.3%
38.3%	17,248	18,170	921	5.3%
39.5%	17,061	18,104	1,043	6.1%
40.7%	17,027	18,018	991	5.8%
42.0%	16,684	17,973	1,289	7.7%
43.2%	16,596	17,845	1,249	7.5%
44.4%	16,535	17,614	1,079	6.5%
45.7%	16,470	17,569	1,098	6.7%
46.9%	16,415	17,412	998	6.1%
48.1%	16,324	17,409	1,085	6.6%
49.4%	16,308	17,350	1,042	6.4%
50.6%	16,236	17,321	1,085	6.7%
51.9%	16,209	17,190	981	6.1%
53.1%	16,189	17,094	906	5.6%
54.3%	16,153	17,042	889	5.5%
55.6%	16,088	16,862	774	4.8%
56.8%	15,949	16,836	887	5.6%
58.0%	15,885	16,667	782	4.9%
59.3%	15,807	16,617	810	5.1%
60.5%	15,652	16,434	782	5.0%
61.7%	15,378	16,257	879	5.7%
63.0%	15,259	16,127	868	5.7%
64.2%	15,239	16,062	823	5.4%
65.4%	15,166	15,989	823	5.4%
66.7%	15,141	15,989	849	5.6%
67.9%	15,134	15,978	844	5.6%
69.1%	15,057	15,649	592	3.9%
70.4%	14,860	15,527	667	4.5%
71.6%	14,841	15,148	306	2.1%
72.8%	14,818	15,060	242	1.6%
74.1%	14,739	14,947	208	1.4%
75.3%	14,526	14,786	261	1.8%
76.5%	14,511	14,751	240	1.7%
77.8%	14,003	14,530	527	3.8%
79.0%	13,950	14,504	553	4.0%
80.2%	13,945	14,498	553	4.0%
81.5%	13,927	14,422	495	3.6%
82.7%	13,850	14,240	389	2.8%
84.0%	13,007	14,003	995	7.7%
85.2%	12,863	13,851	987	7.7%
86.4%	12,049	13,296	1,247	10.4%
87.7%	11,919	13,237	1,317	11.1%
88.9%	11,864	12,914	1,050	8.9%
90.1%	11,737	12,305	567	4.8%
91.4%	11,273	11,991	717	6.4%
92.6%	11,216	11,942	726	6.5%
93.8%	10,842	11,773	931	8.6%
95.1%	10,764	11,700	936	8.7%
96.3%	10,409	11,216	807	7.7%
97.5%	10,264	10,926	662	6.4%
98.8%	8,516	10,855	2,339	27.5%
100.0%	7,219	9,659	2,441	33.8%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,892	18,147	254	1.4%
1.2%	17,838	17,644	-194	-1.1%
2.5%	17,235	17,395	160	0.9%
3.7%	16,949	17,098	149	0.9%
4.9%	16,030	17,077	1,047	6.5%
6.2%	15,647	16,871	1,223	7.8%
7.4%	15,546	16,753	1,208	7.8%
8.6%	15,479	16,746	1,266	8.2%
9.9%	15,472	16,676	1,204	7.8%
11.1%	15,434	16,628	1,194	7.7%
12.3%	15,180	16,538	1,358	8.9%
13.6%	14,976	16,495	1,519	10.1%
14.8%	14,783	16,487	1,704	11.5%
16.0%	14,692	16,408	1,716	11.7%
17.3%	14,636	15,883	1,247	8.5%
18.5%	14,592	15,855	1,263	8.7%
19.8%	14,572	15,745	1,173	8.0%
21.0%	14,453	15,618	1,165	8.1%
22.2%	14,382	15,557	1,175	8.2%
23.5%	14,100	15,187	1,086	7.7%
24.7%	14,086	14,989	903	6.4%
25.9%	14,057	14,894	837	6.0%
27.2%	13,977	14,863	886	6.3%
28.4%	13,953	14,829	876	6.3%
29.6%	13,783	14,702	919	6.7%
30.9%	13,778	14,630	852	6.2%
32.1%	13,716	14,440	724	5.3%
33.3%	13,709	14,402	693	5.1%
34.6%	13,662	14,189	526	3.9%
35.8%	13,657	14,131	474	3.5%
37.0%	13,510	14,092	582	4.3%
38.3%	13,509	14,052	542	4.0%
39.5%	13,473	13,987	515	3.8%
40.7%	13,433	13,890	457	3.4%
42.0%	13,413	13,884	471	3.5%
43.2%	13,398	13,851	453	3.4%
44.4%	13,371	13,746	375	2.8%
45.7%	13,300	13,731	431	3.2%
46.9%	13,205	13,556	350	2.7%
48.1%	13,149	13,554	405	3.1%
49.4%	13,145	13,416	271	2.1%
50.6%	13,065	13,378	313	2.4%
51.9%	12,905	13,199	295	2.3%
53.1%	12,734	13,158	424	3.3%
54.3%	12,727	13,128	401	3.2%
55.6%	12,558	13,058	500	4.0%
56.8%	12,300	13,032	732	6.0%
58.0%	12,298	12,959	660	5.4%
59.3%	12,259	12,876	616	5.0%
60.5%	12,234	12,534	301	2.5%
61.7%	12,061	12,423	363	3.0%
63.0%	12,019	12,404	385	3.2%
64.2%	11,964	12,382	418	3.5%
65.4%	11,954	12,135	182	1.5%
66.7%	11,907	12,053	147	1.2%
67.9%	11,620	12,022	402	3.5%
69.1%	11,521	11,852	331	2.9%
70.4%	11,343	11,436	93	0.8%
71.6%	11,208	11,415	206	1.8%
72.8%	11,152	11,340	188	1.7%
74.1%	11,137	11,337	201	1.8%
75.3%	10,933	11,238	305	2.8%
76.5%	10,726	11,206	480	4.5%
77.8%	10,596	11,113	517	4.9%
79.0%	10,540	10,695	155	1.5%
80.2%	10,369	10,672	303	2.9%
81.5%	10,290	10,593	302	2.9%
82.7%	10,279	10,427	148	1.4%
84.0%	10,124	10,120	-4	0.0%
85.2%	9,343	10,119	776	8.3%
86.4%	9,282	10,077	795	8.6%
87.7%	8,927	10,044	1,117	12.5%
88.9%	8,453	9,901	1,448	17.1%
90.1%	8,145	9,348	1,203	14.8%
91.4%	7,859	9,347	1,488	18.9%
92.6%	7,351	9,327	1,976	26.9%
93.8%	7,146	9,106	1,960	27.4%
95.1%	7,020	9,100	2,080	29.6%
96.3%	6,652	8,748	2,096	31.5%
97.5%	6,155	7,198	1,043	16.9%
98.8%	6,110	5,988	-122	-2.0%
100.0%	5,625	5,561	-65	-1.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,918	26,727	-191	-0.7%
1.2%	26,415	26,625	210	0.8%
2.5%	26,249	26,593	344	1.3%
3.7%	26,112	26,425	313	1.2%
4.9%	25,778	26,242	464	1.8%
6.2%	25,583	26,197	614	2.4%
7.4%	25,062	26,170	1,108	4.4%
8.6%	24,988	26,095	1,107	4.4%
9.9%	24,860	25,994	1,134	4.6%
11.1%	24,806	25,859	1,054	4.2%
12.3%	24,764	25,859	1,095	4.4%
13.6%	24,458	25,564	1,106	4.5%
14.8%	24,124	25,391	1,266	5.2%
16.0%	24,123	25,352	1,229	5.1%
17.3%	23,696	25,336	1,639	6.9%
18.5%	23,204	25,219	2,015	8.7%
19.8%	22,470	24,898	2,427	10.8%
21.0%	21,907	24,653	2,746	12.5%
22.2%	21,497	23,897	2,400	11.2%
23.5%	21,290	23,775	2,485	11.7%
24.7%	20,678	23,459	2,782	13.5%
25.9%	20,239	21,588	1,348	6.7%
27.2%	20,207	21,136	930	4.6%
28.4%	19,554	19,269	-285	-1.5%
29.6%	18,825	19,054	229	1.2%
30.9%	18,776	19,011	235	1.3%
32.1%	18,626	18,957	331	1.8%
33.3%	18,487	18,957	470	2.5%
34.6%	18,279	18,717	438	2.4%
35.8%	17,637	18,677	1,041	5.9%
37.0%	17,575	18,532	956	5.4%
38.3%	17,542	18,518	976	5.6%
39.5%	17,405	18,451	1,046	6.0%
40.7%	17,195	17,879	684	4.0%
42.0%	15,549	17,575	2,026	13.0%
43.2%	15,092	16,756	1,664	11.0%
44.4%	14,175	16,153	1,979	14.0%
45.7%	12,552	15,578	3,026	24.1%
46.9%	12,409	13,206	797	6.4%
48.1%	12,374	12,829	456	3.7%
49.4%	12,143	12,511	368	3.0%
50.6%	11,310	12,430	1,121	9.9%
51.9%	11,306	12,004	698	6.2%
53.1%	11,060	12,004	944	8.5%
54.3%	10,888	11,969	1,081	9.9%
55.6%	10,883	11,757	874	8.0%
56.8%	10,728	11,559	831	7.7%
58.0%	10,708	11,520	812	7.6%
59.3%	10,676	11,241	565	5.3%
60.5%	10,487	11,063	575	5.5%
61.7%	10,419	11,056	637	6.1%
63.0%	10,364	11,048	684	6.6%
64.2%	10,294	10,869	574	5.6%
65.4%	9,970	10,744	774	7.8%
66.7%	9,840	10,707	867	8.8%
67.9%	9,687	10,682	995	10.3%
69.1%	9,560	10,648	1,088	11.4%
70.4%	9,490	10,567	1,076	11.3%
71.6%	9,482	10,407	925	9.8%
72.8%	9,383	10,352	969	10.3%
74.1%	9,113	10,326	1,213	13.3%
75.3%	8,971	10,215	1,245	13.9%
76.5%	8,941	10,180	1,239	13.9%
77.8%	8,773	10,036	1,263	14.4%
79.0%	8,592	9,936	1,344	15.6%
80.2%	8,495	9,868	1,373	16.2%
81.5%	8,423	9,490	1,067	12.7%
82.7%	8,361	9,376	1,015	12.1%
84.0%	8,264	9,340	1,076	13.0%
85.2%	7,553	9,146	1,593	21.1%
86.4%	7,509	8,992	1,483	19.7%
87.7%	7,482	8,384	902	12.1%
88.9%	7,350	8,132	781	10.6%
90.1%	7,118	8,006	888	12.5%
91.4%	6,915	7,492	578	8.4%
92.6%	6,864	7,041	177	2.6%
93.8%	6,785	6,926	141	2.1%
95.1%	6,641	6,904	263	4.0%
96.3%	6,398	6,741	343	5.4%
97.5%	6,288	6,579	291	4.6%
98.8%	6,261	6,226	-35	-0.6%
100.0%	4,458	6,203	1,745	39.2%

Table SW-17-9a
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 Period[1]												
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 D	11,789	16,465	22,603	30,379	35,572	30,984	22,924	19,007	17,024	20,562	15,889	18,422
Difference	617	784	-488	-986	-1,007	-1,482	-303	-54	373	942	724	859
Percent Difference[3]	5.5%	5.0%	-2.1%	-3.1%	-2.8%	-4.6%	-1.3%	-0.3%	2.2%	4.8%	4.8%	4.9%
Water Year Types[2]												
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 D	14,647	21,106	24,700	49,803	56,004	48,745	37,700	31,709	24,665	21,097	16,199	28,434
Difference	1,309	622	-864	-608	-676	-688	-288	-116	704	974	114	807
Percent Difference	9.8%	3.0%	-3.4%	-1.2%	-1.2%	-1.4%	-0.8%	-0.4%	2.9%	4.8%	0.7%	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 D	12,726	18,990	22,817	36,544	43,340	42,326	25,394	20,678	16,957	23,452	16,735	21,521
Difference	791	1,570	-1,407	-1,655	-1,267	-1,572	-625	-123	316	1,385	147	862
Percent Difference	6.6%	9.0%	-5.8%	-4.3%	-2.8%	-3.6%	-2.4%	-0.6%	1.9%	6.3%	0.9%	4.2%
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 D	12,226	17,133	27,935	20,864	29,923	21,092	17,046	13,829	14,145	22,382	16,194	13,062
Difference	495	901	413	-1,959	-843	-2,156	-412	-178	421	929	347	806
Percent Difference	4.2%	5.5%	1.5%	-8.6%	-2.7%	-9.3%	-2.4%	-1.3%	3.1%	4.3%	2.2%	6.6%
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 D	9,522	13,241	22,349	16,485	19,814	17,688	12,868	10,955	12,760	20,111	17,343	12,491
Difference	27	845	63	-769	-1,408	-2,720	-298	71	124	848	1,487	1,235
Percent Difference	0.3%	6.8%	0.3%	-4.5%	-6.6%	-13.3%	-2.3%	0.7%	1.0%	4.4%	9.4%	11.0%
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 D	7,550	7,944	12,006	14,073	13,764	12,646	10,382	7,934	10,289	15,062	11,833	8,779
Difference	-30	118	-628	-326	-1,052	-469	107	110	33	585	1,919	469
Percent Difference	-0.4%	1.5%	-5.0%	-2.3%	-7.1%	-3.6%	1.0%	1.4%	0.3%	4.0%	19.4%	5.6%

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-17-9b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

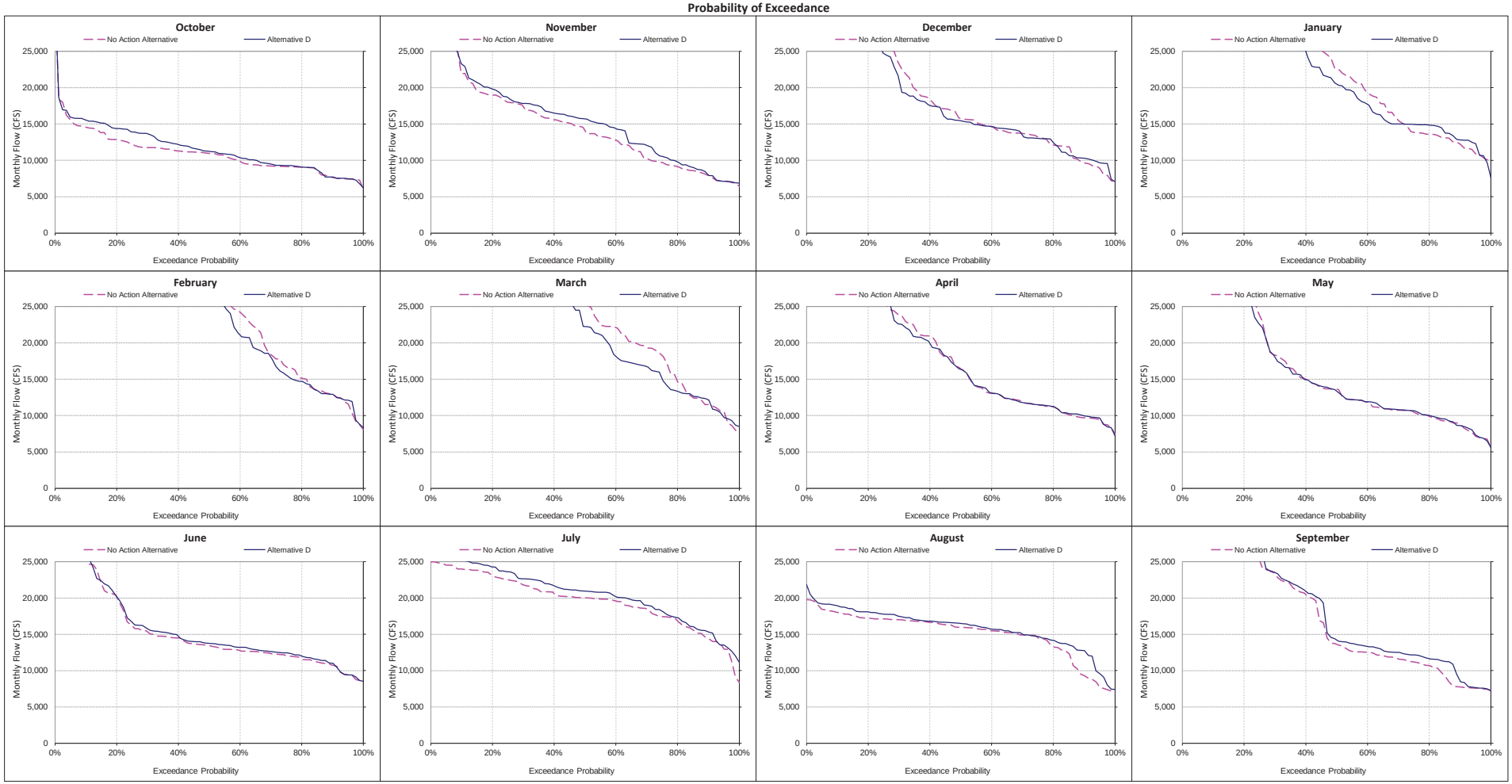

Table SW-17-9b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,173	33,239	66	0.2%
1.2%	18,408	18,626	218	1.2%
2.5%	18,000	16,958	-1,042	-5.8%
3.7%	16,227	16,891	664	4.1%
4.9%	15,586	15,944	358	2.3%
6.2%	14,995	15,794	799	5.3%
7.4%	14,765	15,782	1,017	6.9%
8.6%	14,742	15,761	1,018	6.9%
9.9%	14,603	15,581	978	6.7%
11.1%	14,455	15,398	943	6.5%
12.3%	14,410	15,389	979	6.8%
13.6%	14,237	15,282	1,045	7.3%
14.8%	13,836	15,155	1,319	9.5%
16.0%	13,810	15,112	1,302	9.4%
17.3%	12,912	14,819	1,907	14.8%
18.5%	12,892	14,488	1,596	12.4%
19.8%	12,887	14,397	1,509	11.7%
21.0%	12,760	14,385	1,626	12.7%
22.2%	12,683	14,300	1,618	12.8%
23.5%	12,516	14,271	1,755	14.0%
24.7%	12,245	13,916	1,671	13.6%
25.9%	12,026	13,902	1,876	15.6%
27.2%	11,856	13,760	1,904	16.1%
28.4%	11,789	13,723	1,934	16.4%
29.6%	11,775	13,713	1,938	16.5%
30.9%	11,772	13,531	1,760	14.9%
32.1%	11,771	13,312	1,541	13.1%
33.3%	11,726	12,813	1,087	9.3%
34.6%	11,640	12,585	945	8.1%
35.8%	11,549	12,574	1,025	8.9%
37.0%	11,538	12,466	928	8.0%
38.3%	11,418	12,310	893	7.8%
39.5%	11,318	12,249	931	8.2%
40.7%	11,257	12,070	812	7.2%
42.0%	11,200	12,024	824	7.4%
43.2%	11,169	11,927	758	6.8%
44.4%	11,152	11,688	536	4.8%
45.7%	11,141	11,574	432	3.9%
46.9%	11,138	11,499	361	3.2%
48.1%	11,063	11,318	255	2.3%
49.4%	11,002	11,266	264	2.4%
50.6%	10,936	11,205	269	2.5%
51.9%	10,918	11,153	235	2.2%
53.1%	10,755	10,966	212	2.0%
54.3%	10,748	10,918	169	1.6%
55.6%	10,460	10,869	410	3.9%
56.8%	10,290	10,819	528	5.1%
58.0%	10,109	10,730	620	6.1%
59.3%	10,108	10,466	358	3.5%
60.5%	9,696	10,299	603	6.2%
61.7%	9,531	10,260	729	7.6%
63.0%	9,482	10,093	612	6.4%
64.2%	9,400	10,079	679	7.2%
65.4%	9,396	9,983	588	6.3%
66.7%	9,281	9,706	425	4.6%
67.9%	9,271	9,623	352	3.8%
69.1%	9,239	9,553	314	3.4%
70.4%	9,229	9,455	227	2.5%
71.6%	9,207	9,320	113	1.2%
72.8%	9,182	9,313	131	1.4%
74.1%	9,164	9,290	126	1.4%
75.3%	9,149	9,281	133	1.5%
76.5%	9,123	9,278	155	1.7%
77.8%	9,112	9,207	95	1.0%
79.0%	9,077	9,149	72	0.8%
80.2%	9,066	9,078	12	0.1%
81.5%	9,024	9,024	0	0.0%
82.7%	8,995	9,007	13	0.1%
84.0%	8,973	8,995	22	0.2%
85.2%	8,442	8,624	181	2.1%
86.4%	8,003	8,258	255	3.2%
87.7%	7,942	7,723	-219	-2.8%
88.9%	7,702	7,715	14	0.2%
90.1%	7,655	7,710	55	0.7%
91.4%	7,535	7,550	16	0.2%
92.6%	7,496	7,530	34	0.4%
93.8%	7,471	7,523	52	0.7%
95.1%	7,439	7,474	35	0.5%
96.3%	7,435	7,420	-15	-0.2%
97.5%	7,417	7,282	-134	-1.8%
98.8%	7,254	6,764	-490	-6.8%
100.0%	5,947	6,205	257	4.3%

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,737	54,548	-190	-0.3%
1.2%	48,575	47,761	-814	-1.7%
2.5%	47,715	47,100	-616	-1.3%
3.7%	36,242	34,627	-1,615	-4.5%
4.9%	32,262	34,498	2,236	6.9%
6.2%	26,903	26,298	-605	-2.2%
7.4%	25,756	25,776	20	0.1%
8.6%	25,325	24,941	-384	-1.5%
9.9%	21,956	23,331	1,375	6.3%
11.1%	21,954	22,911	957	4.4%
12.3%	20,776	21,318	542	2.6%
13.6%	20,598	21,089	491	2.4%
14.8%	19,626	20,779	1,154	5.9%
16.0%	19,369	20,502	1,132	5.8%
17.3%	19,239	20,096	857	4.5%
18.5%	19,052	20,073	1,022	5.4%
19.8%	18,997	19,875	878	4.6%
21.0%	18,984	19,676	692	3.6%
22.2%	18,774	19,369	596	3.2%
23.5%	18,396	18,809	413	2.2%
24.7%	18,035	18,735	700	3.9%
25.9%	17,954	18,369	415	2.3%
27.2%	17,950	18,067	118	0.7%
28.4%	17,754	17,960	206	1.2%
29.6%	17,626	17,843	217	1.2%
30.9%	16,889	17,820	931	5.5%
32.1%	16,881	17,814	933	5.5%
33.3%	16,769	17,612	842	5.0%
34.6%	16,441	17,545	1,104	6.7%
35.8%	16,074	17,348	1,274	7.9%
37.0%	15,845	16,785	940	5.9%
38.3%	15,815	16,684	869	5.5%
39.5%	15,602	16,533	932	6.0%
40.7%	15,550	16,431	882	5.7%
42.0%	15,404	16,374	971	6.3%
43.2%	15,224	16,343	1,119	7.3%
44.4%	15,197	16,131	934	6.1%
45.7%	15,052	16,056	1,004	6.7%
46.9%	14,715	15,926	1,211	8.2%
48.1%	14,682	15,761	1,079	7.4%
49.4%	14,551	15,740	1,189	8.2%
50.6%	13,676	15,663	1,987	14.5%
51.9%	13,674	15,387	1,713	12.5%
53.1%	13,669	15,257	1,587	11.6%
54.3%	13,255	15,128	1,873	14.1%
55.6%	13,247	15,082	1,835	13.9%
56.8%	13,201	14,955	1,754	13.3%
58.0%	13,050	14,593	1,543	11.8%
59.3%	12,886	14,514	1,628	12.6%
60.5%	12,707	14,278	1,571	12.4%
61.7%	12,187	14,209	2,022	16.6%
63.0%	12,171	14,057	1,887	15.5%
64.2%	12,062	12,402	340	2.8%
65.4%	11,505	12,314	808	7.0%
66.7%	11,222	12,276	1,054	9.4%
67.9%	11,186	12,236	1,049	9.4%
69.1%	10,272	12,215	1,943	18.9%
70.4%	10,200	11,990	1,790	17.5%
71.6%	9,958	11,806	1,848	18.6%
72.8%	9,863	11,024	1,161	11.8%
74.1%	9,763	10,655	892	9.1%
75.3%	9,683	10,519	836	8.6%
76.5%	9,385	10,369	985	10.5%
77.8%	9,339	10,062	723	7.7%
79.0%	9,252	9,992	740	8.0%
80.2%	9,101	9,724	624	6.9%
81.5%	8,849	9,403	554	6.3%
82.7%	8,761	9,390	629	7.2%
84.0%	8,625	9,151	526	6.1%
85.2%	8,582	9,017	435	5.1%
86.4%	8,476	8,777	300	3.5%
87.7%	8,322	8,702	379	4.6%
88.9%	8,130	8,476	347	4.3%
90.1%	7,873	7,913	41	0.5%
91.4%	7,613	7,883	270	3.5%
92.6%	7,222	7,284	62	0.9%
93.8%	7,180	7,143	-37	-0.5%
95.1%	7,147	7,126	-21	-0.3%
96.3%	7,126	7,092	-34	-0.5%
97.5%	6,929	7,037	109	1.6%
98.8%	6,888	6,929	41	0.6%
100.0%	6,442	6,888	446	6.9%

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,389	76,377	-12	0.0%
1.2%	75,019	73,688	-1,331	-1.8%
2.5%	68,488	66,846	-1,641	-2.4%
3.7%	59,787	59,880	93	0.2%
4.9%	58,754	59,446	692	1.2%
6.2%	57,801	57,767	-34	-0.1%
7.4%	50,442	50,732	291	0.6%
8.6%	50,083	49,760	-322	-0.6%
9.9%	49,647	49,521	-126	-0.3%
11.1%	48,048	46,669	-1,380	-2.9%
12.3%	44,685	45,032	346	0.8%
13.6%	43,096	39,260	-3,836	-8.9%
14.8%	40,888	38,371	-2,517	-6.2%
16.0%	36,649	38,030	1,381	3.8%
17.3%	35,052	37,493	2,441	7.0%
18.5%	34,993	35,120	127	0.4%
19.8%	34,964	34,316	-649	-1.9%
21.0%	33,588	30,633	-2,955	-8.8%
22.2%	33,238	29,403	-3,834	-11.5%
23.5%	28,695	26,945	-1,750	-6.1%
24.7%	27,977	24,765	-3,211	-11.5%
25.9%	26,253	24,452	-1,801	-6.9%
27.2%	25,446	24,209	-1,237	-4.9%
28.4%	24,999	22,820	-2,179	-8.7%
29.6%	23,549	21,691	-1,858	-7.9%
30.9%	22,583	19,371	-3,212	-14.2%
32.1%	21,928	19,215	-2,713	-12.4%
33.3%	21,356	18,854	-2,502	-11.7%
34.6%	20,069	18,847	-1,222	-6.1%
35.8%	19,577	18,349	-1,228	-6.3%
37.0%	18,886	18,140	-747	-4.0%
38.3%	18,768	18,086	-682	-3.6%
39.5%	18,634	17,642	-992	-5.3%
40.7%	18,050	17,448	-602	-3.3%
42.0%	17,481	17,410	-71	-0.4%
43.2%	17,257	17,311	54	0.3%
44.4%	17,098	16,098	-1,000	-5.8%
45.7%	17,053	15,680	-1,373	-8.1%
46.9%	16,897	15,659	-1,238	-7.3%
48.1%	16,744	15,546	-1,199	-7.2%
49.4%	15,855	15,512	-343	-2.2%
50.6%	15,692	15,399	-293	-1.9%
51.9%	15,643	15,287	-356	-2.3%
53.1%	15,616	15,255	-361	-2.3%
54.3%	15,576	14,922	-654	-4.2%
55.6%	15,101	14,889	-212	-1.4%
56.8%	14,987	14,811	-177	-1.2%
58.0%	14,775	14,745	-30	-0.2%
59.3%	14,771	14,691	-79	-0.5%
60.5%	14,567	14,630	64	0.4%
61.7%	14,165	14,434	269	1.9%
63.0%	14,127	14,416	289	2.0%
64.2%	14,019	14,368	349	2.5%
65.4%	13,834	14,322	488	3.5%
66.7%	13,778	14,224	446	3.2%
67.9%	13,764	14,157	393	2.9%
69.1%	13,761	14,012	251	1.8%
70.4%	13,669	13,215	-454	-3.3%
71.6%	13,640	13,091	-549	-4.0%
72.8%	13,490	13,085	-405	-3.0%
74.1%	13,435	13,063	-373	-2.8%
75.3%	13,125	13,006	-118	-0.9%
76.5%	13,056	12,975	-81	-0.6%
77.8%	12,887	12,968	82	0.6%
79.0%	12,187	12,942	755	6.2%
80.2%	12,091	12,310	218	1.8%
81.5%	12,022	11,908	-114	-0.9%
82.7%	11,961	11,144	-818	-6.8%
84.0%	11,869	11,084	-785	-6.6%
85.2%	11,858	10,646	-1,213	-10.2%
86.4%	10,333	10,627	294	2.8%
87.7%	10,192	10,376	184	1.8%
88.9%	9,843	10,341	498	5.1%
90.1%	9,621	10,292	670	7.0%
91.4%	9,579	10,192	613	6.4%
92.6%	9,289	10,046	756	8.1%
93.8%	9,264	9,871	606	6.5%
95.1%	8,882	9,672	790	8.9%
96.3%	8,022	9,600	1,577	19.7%
97.5%	7,909	9,557	1,648	20.8%
98.8%	7,206	7,389	184	2.5%
100.0%	7,056	7,095	39	0.6%

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,032	78,340	308	0.4%
1.2%	76,980	76,966	-14	0.0%
2.5%	75,120	74,613	-507	-0.7%
3.7%	72,485	72,489	4	0.0%
4.9%	70,918	70,410	-509	-0.7%
6.2%	68,682	66,627	-2,055	-3.0%
7.4%	65,369	64,876	-493	-0.8%
8.6%	63,337	63,348	11	0.0%
9.9%	62,358	62,752	394	0.6%
11.1%	62,111	61,580	-531	-0.9%
12.3%	59,071	57,380	-1,690	-2.9%
13.6%	58,883	57,102	-1,780	-3.0%
14.8%	58,606	56,998	-1,608	-2.7%
16.0%	58,555	56,868	-1,687	-2.9%
17.3%	57,434	56,706	-728	-1.3%
18.5%	56,890	56,401	-489	-0.9%
19.8%	55,475	54,077	-1,398	-2.5%
21.0%	55,336	53,185	-2,152	-3.9%
22.2%	48,320	47,352	-969	-2.0%
23.5%	47,301	46,760	-541	-1.1%
24.7%	46,762	44,928	-1,834	-3.9%
25.9%	46,322	43,157	-3,165	-6.8%
27.2%	45,288	42,299	-2,989	-6.6%
28.4%	42,879	40,918	-1,961	-4.6%
29.6%	42,639	38,631	-4,008	-9.4%
30.9%	38,630	37,257	-1,373	-3.6%
32.1%	38,259	35,993	-2,266	-5.9%
33.3%	36,857	34,611	-2,245	-6.1%
34.6%	36,738	33,965	-2,772	-7.5%
35.8%	31,543	30,147	-1,397	-4.4%
37.0%	30,792	29,341	-1,451	-4.7%
38.3%	27,650	25,919	-1,732	-6.3%
39.5%	26,809	25,617	-1,192	-4.4%
40.7%	26,767	24,070	-2,697	-10.1%
42.0%	26,687	22,921	-3,766	-14.1%
43.2%	25,572	22,834	-2,738	-10.7%
44.4%	25,473	22,785	-2,689	-10.6%
45.7%	24,903	21,723	-3,180	-12.8%
46.9%	24,545	21,519	-3,026	-12.3%
48.1%	24,044	21,354	-2,690	-11.2%
49.4%	22,653	20,668	-1,984	-8.8%
50.6%	22,532	20,361	-2,170	-9.6%
51.9%	21,971	20,249	-1,722	-7.8%
53.1%	21,683	19,704	-1,979	-9.1%
54.3%	21,491	19,688	-1,803	-8.4%
55.6%	20,936	19,420	-1,516	-7.2%
56.8%	20,559	18,535	-2,023	-9.8%
58.0%	20,529	18,099	-2,430	-11.8%
59.3%	19,623	17,921	-1,702	-8.7%
60.5%	19,118	17,594	-1,524	-8.0%
61.7%	18,833	16,634	-2,199	-11.7%
63.0%	18,683	16,369	-2,314	-12.4%
64.2%	17,841	16,262	-1,580	-8.9%
65.4%	17,771	15,594	-2,178	-12.3%
66.7%	16,596	15,261	-1,335	-8.0%
67.9%	16,596	15,020	-1,576	-9.5%
69.1%	15,892	15,016	-876	-5.5%
70.4%	15,369	15,011	-358	-2.3%
71.6%	15,026	14,997	-30	-0.2%
72.8%	14,694	14,969	275	1.9%
74.1%	13,951	14,968	1,017	7.3%
75.3%	13,831	14,951	1,120	8.1%
76.5%	13,793	14,908	1,116	8.1%
77.8%	13,760	14,898	1,138	8.3%
79.0%	13,618	14,887	1,269	9.3%
80.2%	13,585	14,844	1,258	9.3%
81.5%	13,577	14,804	1,227	9.0%
82.7%	13,426	14,695	1,269	9.5%
84.0%	13,173	14,476	1,302	9.9%
85.2%	13,123	13,748	625	4.8%
86.4%	13,059	13,711	652	5.0%
87.7%	12,553	13,412	859	6.8%
88.9%	12,528	12,892	365	2.9%
90.1%	12,229	12,795	566	4.6%
91.4%	11,690	12,785	1,094	9.4%
92.6%	11,657	12,783	1,126	9.7%
93.8%	11,534	12,487	954	8.3%
95.1%	10,892	12,271	1,379	12.7%
96.3%	10,810	10,696	-114	-1.1%
97.5%	10,351	10,639	288	2.8%
98.8%	10,074	9,679	-395	-3.9%
100.0%	9,911	7,585	-2,326	-23.5%

Table SW-17-9b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,794	76,791	-3	0.0%
1.2%	74,223	74,243	20	0.0%
2.5%	73,784	74,224	440	0.6%
3.7%	72,104	72,105	1	0.0%
4.9%	70,602	69,971	-632	-0.9%
6.2%	69,733	69,525	-208	-0.3%
7.4%	69,197	69,198	1	0.0%
8.6%	68,692	68,715	23	0.0%
9.9%	67,996	68,696	700	1.0%
11.1%	67,424	66,767	-657	-1.0%
12.3%	66,900	66,364	-535	-0.8%
13.6%	65,473	64,492	-981	-1.5%
14.8%	64,556	64,275	-281	-0.4%
16.0%	62,484	62,485	1	0.0%
17.3%	61,933	61,359	-574	-0.9%
18.5%	61,706	60,800	-906	-1.5%
19.8%	60,800	60,300	-500	-0.8%
21.0%	59,574	58,530	-1,044	-1.8%
22.2%	59,070	58,462	-608	-1.0%
23.5%	58,982	57,790	-1,192	-2.0%
24.7%	56,851	57,614	763	1.3%
25.9%	51,946	52,791	845	1.6%
27.2%	51,910	51,681	-229	-0.4%
28.4%	50,675	48,905	-1,770	-3.5%
29.6%	48,909	47,871	-1,038	-2.1%
30.9%	48,464	47,326	-1,138	-2.3%
32.1%	48,124	46,552	-1,573	-3.3%
33.3%	47,880	45,417	-2,463	-5.1%
34.6%	47,858	44,725	-3,133	-6.5%
35.8%	46,829	44,677	-2,151	-4.6%
37.0%	45,171	44,596	-575	-1.3%
38.3%	43,580	44,071	491	1.1%
39.5%	43,526	43,285	-241	-0.6%
40.7%	42,193	41,438	-755	-1.8%
42.0%	41,922	39,409	-2,513	-6.0%
43.2%	39,365	39,381	16	0.0%
44.4%	36,163	34,245	-1,919	-5.3%
45.7%	34,709	32,403	-2,306	-6.6%
46.9%	34,242	31,661	-2,581	-7.5%
48.1%	33,712	30,782	-2,930	-8.7%
49.4%	33,702	28,703	-4,999	-14.8%
50.6%	32,704	28,394	-4,309	-13.2%
51.9%	30,031	27,874	-2,158	-7.2%
53.1%	28,936	27,142	-1,793	-6.2%
54.3%	28,515	25,371	-3,144	-11.0%
55.6%	27,064	24,595	-2,469	-9.1%
56.8%	25,135	24,033	-1,102	-4.4%
58.0%	24,624	22,157	-2,467	-10.0%
59.3%	24,497	21,413	-3,084	-12.6%
60.5%	24,022	20,848	-3,174	-13.2%
61.7%	23,538	20,754	-2,783	-11.8%
63.0%	22,872	20,741	-2,131	-9.3%
64.2%	22,338	19,382	-2,957	-13.2%
65.4%	21,944	19,115	-2,830	-12.9%
66.7%	21,406	18,934	-2,472	-11.5%
67.9%	19,641	18,575	-1,066	-5.4%
69.1%	18,666	18,562	-104	-0.6%
70.4%	18,241	17,754	-487	-2.7%
71.6%	17,802	16,757	-1,045	-5.9%
72.8%	17,801	16,155	-1,646	-9.2%
74.1%	16,997	15,858	-1,139	-6.7%
75.3%	16,618	15,455	-1,164	-7.0%
76.5%	16,589	15,070	-1,519	-9.2%
77.8%	16,268	14,854	-1,415	-8.7%
79.0%	15,202	14,736	-466	-3.1%
80.2%	15,094	14,691	-402	-2.7%
81.5%	15,020	14,381	-640	-4.3%
82.7%	13,913	14,246	333	2.4%
84.0%	13,667	13,627	-39	-0.3%
85.2%	13,414	13,401	-13	-0.1%
86.4%	13,399	13,025	-374	-2.8%
87.7%	13,117	13,011	-106	-0.8%
88.9%	13,028	12,934	-94	-0.7%
90.1%	12,904	12,920	16	0.1%
91.4%	12,520	12,450	-70	-0.6%
92.6%	12,434	12,405	-29	-0.2%
93.8%	11,885	12,160	275	2.3%
95.1%	11,569	12,114	545	4.7%
96.3%	10,326	11,941	1,615	15.6%
97.5%	9,176	9,349	173	1.9%
98.8%	8,732	8,800	68	0.8%
100.0%	8,072	8,320	248	3.1%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,371	81,370	-1	0.0%
1.2%	77,333	77,400	67	0.1%
2.5%	72,349	72,211	-139	-0.2%
3.7%	70,805	70,424	-381	-0.5%
4.9%	68,249	68,248	-1	0.0%
6.2%	68,107	68,109	2	0.0%
7.4%	67,663	66,930	-733	-1.1%
8.6%	66,230	66,461	231	0.3%
9.9%	61,306	61,424	118	0.2%
11.1%	61,102	60,898	-204	-0.3%
12.3%	60,661	60,326	-335	-0.6%
13.6%	59,092	57,958	-1,133	-1.9%
14.8%	57,412	57,400	-12	0.0%
16.0%	57,384	57,375	-9	0.0%
17.3%	55,039	54,769	-271	-0.5%
18.5%	54,767	53,080	-1,687	-3.1%
19.8%	52,762	51,529	-1,233	-2.3%
21.0%	48,528	48,166	-363	-0.7%
22.2%	47,733	46,959	-773	-1.6%
23.5%	46,956	46,852	-104	-0.2%
24.7%	44,697	46,259	1,563	3.5%
25.9%	44,500	43,358	-1,143	-2.6%
27.2%	43,331	41,212	-2,119	-4.9%
28.4%	43,017	40,535	-2,482	-5.8%
29.6%	41,621	38,313	-3,308	-7.9%
30.9%	41,574	36,845	-4,729	-11.4%
32.1%	40,443	36,289	-4,155	-10.3%
33.3%	37,799	33,959	-3,840	-10.2%
34.6%	36,156	33,599	-2,557	-7.1%
35.8%	34,672	33,503	-1,169	-3.4%
37.0%	34,122	33,297	-825	-2.4%
38.3%	33,963	32,307	-1,656	-4.9%
39.5%	33,632	31,684	-1,947	-5.8%
40.7%	32,449	31,538	-912	-2.8%
42.0%	32,269	30,209	-2,060	-6.4%
43.2%	29,803	27,980	-1,823	-6.1%
44.4%	29,086	27,020	-2,066	-7.1%
45.7%	28,903	25,361	-3,542	-12.3%
46.9%	27,956	24,514	-3,442	-12.3%
48.1%	27,700	24,500	-3,200	-11.6%
49.4%	25,304	22,263	-3,041	-12.0%
50.6%	25,156	22,241	-2,914	-11.6%
51.9%	24,930	22,129	-2,801	-11.2%
53.1%	23,700	21,411	-2,289	-9.7%
54.3%	22,920	21,256	-1,663	-7.3%
55.6%	22,379	20,995	-1,385	-6.2%
56.8%	22,277	20,337	-1,939	-8.7%
58.0%	22,258	19,677	-2,581	-11.6%
59.3%	22,243	18,426	-3,817	-17.2%
60.5%	22,025	17,931	-4,094	-18.6%
61.7%	21,282	17,550	-3,732	-17.5%
63.0%	21,005	17,467	-3,538	-16.8%
64.2%	20,217	17,316	-2,901	-14.3%
65.4%	20,183	17,214	-2,969	-14.7%
66.7%	19,912	17,100	-2,813	-14.1%
67.9%	19,673	16,915	-2,758	-14.0%
69.1%	19,616	16,866	-2,750	-14.0%
70.4%	19,312	16,668	-2,644	-13.7%
71.6%	19,248	16,203	-3,046	-15.8%
72.8%	18,990	16,105	-2,885	-15.2%
74.1%	18,589	15,984	-2,604	-14.0%
75.3%	18,144	14,757	-3,387	-18.7%
76.5%	17,176	14,148	-3,027	-17.6%
77.8%	15,686	13,582	-2,105	-13.4%
79.0%	15,644	13,488	-2,156	-13.8%
80.2%	14,414	13,300	-1,114	-7.7%
81.5%	14,368	13,098	-1,270	-8.8%
82.7%	13,338	13,035	-303	-2.3%
84.0%	12,820	13,030	210	1.6%
85.2%	12,411	12,628	217	1.8%
86.4%	12,376	12,608	232	1.9%
87.7%	12,126	12,422	295	2.4%
88.9%	11,529	12,358	829	7.2%
90.1%	11,503	12,162	659	5.7%
91.4%	11,321	10,883	-438	-3.9%
92.6%	11,050	10,758	-292	-2.6%
93.8%	10,657	10,421	-236	-2.2%
95.1%	10,545	9,735	-810	-7.7%
96.3%	8,963	9,570	607	6.8%
97.5%	8,655	9,327	672	7.8%
98.8%	7,975	8,701	727	9.1%
100.0%	7,762	8,478	716	9.2%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,120	72,121	1	0.0%
1.2%	67,572	67,572	0	0.0%
2.5%	64,589	64,987	399	0.6%
3.7%	57,018	57,029	11	0.0%
4.9%	56,211	56,218	7	0.0%
6.2%	54,548	54,544	-4	0.0%
7.4%	54,444	53,567	-877	-1.6%
8.6%	53,572	52,768	-805	-1.5%
9.9%	50,443	49,943	-501	-1.0%
11.1%	49,942	47,712	-2,230	-4.5%
12.3%	45,516	45,392	-124	-0.3%
13.6%	42,694	41,928	-766	-1.8%
14.8%	42,149	41,006	-1,143	-2.7%
16.0%	41,922	39,801	-2,121	-5.1%
17.3%	40,409	39,253	-1,156	-2.9%
18.5%	39,765	38,838	-927	-2.3%
19.8%	38,864	37,075	-1,788	-4.6%
21.0%	37,739	35,108	-2,631	-7.0%
22.2%	34,677	34,696	19	0.1%
23.5%	34,105	33,205	-900	-2.6%
24.7%	33,091	32,795	-295	-0.9%
25.9%	25,221	25,203	-18	-0.1%
27.2%	24,551	25,155	605	2.5%
28.4%	24,410	23,080	-1,330	-5.4%
29.6%	23,949	22,601	-1,348	-5.6%
30.9%	23,775	22,555	-1,219	-5.1%
32.1%	22,975	22,099	-876	-3.8%
33.3%	22,600	21,776	-824	-3.6%
34.6%	22,549	20,898	-1,651	-7.3%
35.8%	21,557	20,812	-745	-3.5%
37.0%	21,088	20,770	-318	-1.5%
38.3%	20,971	20,502	-469	-2.2%
39.5%	20,969	20,231	-738	-3.5%
40.7%	20,879	19,366	-1,513	-7.2%
42.0%	20,137	19,255	-882	-4.4%
43.2%	18,687	19,112	425	2.3%
44.4%	18,189	18,327	139	0.8%
45.7%	18,156	18,091	-65	-0.4%
46.9%	18,074	17,337	-736	-4.1%
48.1%	16,807	16,900	93	0.6%
49.4%	16,657	16,450	-207	-1.2%
50.6%	16,272	16,278	6	0.0%
51.9%	15,863	15,858	-5	0.0%
53.1%	14,935	15,001	65	0.4%
54.3%	14,162	14,164	3	0.0%
55.6%	13,912	14,022	110	0.8%
56.8%	13,807	13,912	104	0.8%
58.0%	13,252	13,785	533	4.0%
59.3%	13,081	13,191	110	0.8%
60.5%	13,042	13,049	7	0.1%
61.7%	13,023	13,013	-10	-0.1%
63.0%	12,725	12,803	78	0.6%
64.2%	12,369	12,392	22	0.2%
65.4%	12,307	12,339	32	0.3%
66.7%	12,294	12,171	-123	-1.0%
67.9%	12,180	12,073	-107	-0.9%
69.1%	12,075	11,872	-203	-1.7%
70.4%	11,720	11,751	30	0.3%
71.6%	11,695	11,697	1	0.0%
72.8%	11,589	11,658	69	0.6%
74.1%	11,530	11,527	-4	0.0%
75.3%	11,430	11,476	46	0.4%
76.5%	11,397	11,463	66	0.6%
77.8%	11,273	11,381	108	1.0%
79.0%	11,263	11,310	47	0.4%
80.2%	11,216	11,217	1	0.0%
81.5%	10,880	10,882	1	0.0%
82.7%	10,379	10,419	39	0.4%
84.0%	10,306	10,388	82	0.8%
85.2%	10,093	10,268	175	1.7%
86.4%	10,035	10,231	196	1.9%
87.7%	9,830	10,215	386	3.9%
88.9%	9,729	10,083	354	3.6%
90.1%	9,711	9,944	233	2.4%
91.4%	9,684	9,887	203	2.1%
92.6%	9,613	9,763	150	1.6%
93.8%	9,558	9,727	169	1.8%
95.1%	9,441	9,684	243	2.6%
96.3%	8,806	8,806	0	0.0%
97.5%	8,710	8,435	-275	-3.2%
98.8%	8,342	8,341	-1	0.0%
100.0%	7,483	7,225	-258	-3.5%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,706	58,614	-92	-0.2%
1.2%	58,348	57,211	-1,136	-1.9%
2.5%	54,096	54,116	20	0.0%
3.7%	52,730	52,622	-108	-0.2%
4.9%	48,877	48,505	-372	-0.8%
6.2%	44,816	44,564	-252	-0.6%
7.4%	43,116	43,000	-116	-0.3%
8.6%	42,836	42,728	-108	-0.3%
9.9%	41,799	41,804	4	0.0%
11.1%	40,968	41,070	102	0.2%
12.3%	39,077	40,925	1,848	4.7%
13.6%	38,513	38,873	360	0.9%
14.8%	38,298	38,405	106	0.3%
16.0%	31,829	32,836	1,008	3.2%
17.3%	31,368	31,832	464	1.5%
18.5%	28,381	28,378	-3	0.0%
19.8%	27,984	26,759	-1,224	-4.4%
21.0%	27,562	26,691	-870	-3.2%
22.2%	26,125	25,403	-722	-2.8%
23.5%	25,651	23,485	-2,167	-8.4%
24.7%	24,101	22,688	-1,412	-5.9%
25.9%	23,012	22,109	-902	-3.9%
27.2%	20,498	20,513	16	0.1%
28.4%	18,715	18,828	113	0.6%
29.6%	18,358	18,288	-70	-0.4%
30.9%	18,204	17,444	-759	-4.2%
32.1%	17,848	17,147	-701	-3.9%
33.3%	17,443	16,640	-804	-4.6%
34.6%	16,592	16,595	3	0.0%
35.8%	16,428	15,720	-708	-4.3%
37.0%	15,820	15,713	-107	-0.7%
38.3%	15,222	15,591	368	2.4%
39.5%	15,119	14,967	-152	-1.0%
40.7%	14,860	14,861	0	0.0%
42.0%	14,490	14,492	2	0.0%
43.2%	14,299	14,301	2	0.0%
44.4%	13,953	14,108	155	1.1%
45.7%	13,708	13,962	254	1.9%
46.9%	13,693	13,890	198	1.4%
48.1%	13,672	13,681	9	0.1%
49.4%	13,666	13,563	-103	-0.8%
50.6%	13,559	13,170	-389	-2.9%
51.9%	12,567	12,726	159	1.3%
53.1%	12,298	12,296	-2	0.0%
54.3%	12,223	12,228	5	0.0%
55.6%	12,180	12,199	19	0.2%
56.8%	12,113	12,134	21	0.2%
58.0%	12,112	12,119	7	0.1%
59.3%	11,909	11,916	7	0.1%
60.5%	11,834	11,903	69	0.6%
61.7%	11,200	11,838	638	5.7%
63.0%	11,181	11,683	502	4.5%
64.2%	11,043	11,288	245	2.2%
65.4%	10,961	10,922	-38	-0.4%
66.7%	10,921	10,910	-11	-0.1%
67.9%	10,773	10,885	112	1.0%
69.1%	10,759	10,841	82	0.8%
70.4%	10,745	10,782	37	0.3%
71.6%	10,714	10,774	60	0.6%
72.8%	10,711	10,715	4	0.0%
74.1%	10,710	10,679	-31	-0.3%
75.3%	10,385	10,663	278	2.7%
76.5%	10,149	10,386	237	2.3%
77.8%	10,120	10,125	5	0.1%
79.0%	10,080	10,094	14	0.1%
80.2%	9,890	9,993	103	1.0%
81.5%	9,586	9,842	255	2.7%
82.7%	9,553	9,710	157	1.6%
84.0%	9,307	9,552	245	2.6%
85.2%	9,245	9,515	270	2.9%
86.4%	9,240	9,249	10	0.1%
87.7%	9,014	9,140	126	1.4%
88.9%	9,013	8,669	-344	-3.8%
90.1%	8,769	8,621	-149	-1.7%
91.4%	8,279	8,474	195	2.4%
92.6%	7,958	8,279	321	4.0%
93.8%	7,740	8,044	304	3.9%
95.1%	7,141	7,302	161	2.3%
96.3%	6,990	7,004	14	0.2%
97.5%	6,877	6,893	16	0.2%
98.8%	6,769	6,492	-277	-4.1%
100.0%	5,558	5,588	30	0.5%

Table SW-17-9b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

	June				July				August				September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,207	61,065	-142	-0.2%	24,971	26,459	1,489	6.0%	19,779	21,880	2,102	10.6%	31,373	31,372	-1	0.0%
1.2%	51,132	51,565	433	0.8%	24,965	26,267	1,302	5.2%	19,723	20,488	765	3.9%	30,434	31,040	606	2.0%
2.5%	37,909	38,906	997	2.6%	24,847	26,147	1,300	5.2%	19,566	19,862	296	1.5%	30,321	30,634	314	1.0%
3.7%	37,649	38,689	1,040	2.8%	24,793	26,054	1,261	5.1%	19,045	19,324	279	1.5%	30,116	30,362	246	0.8%
4.9%	35,934	38,382	2,448	6.8%	24,526	26,013	1,487	6.1%	18,442	19,188	746	4.0%	30,019	30,187	168	0.6%
6.2%	35,171	35,639	468	1.3%	24,526	25,914	1,388	5.7%	18,371	19,168	797	4.3%	29,810	30,183	373	1.3%
7.4%	34,371	34,845	474	1.4%	24,489	25,583	1,094	4.5%	18,220	19,147	927	5.1%	29,770	30,025	256	0.9%
8.6%	29,602	30,703	1,102	3.7%	24,000	25,544	1,545	6.4%	18,176	19,050	874	4.8%	29,476	29,957	481	1.6%
9.9%	26,081	25,942	-139	-0.5%	23,989	25,132	1,143	4.8%	18,042	18,941	898	5.0%	29,436	29,878	441	1.5%
11.1%	24,659	25,417	758	3.1%	23,926	25,126	1,199	5.0%	17,952	18,775	823	4.6%	29,392	29,845	453	1.5%
12.3%	24,585	24,207	-378	-1.5%	23,917	25,003	1,086	4.5%	17,779	18,728	949	5.3%	29,273	29,811	538	1.8%
13.6%	23,898	22,691	-1,206	-5.0%	23,821	24,828	1,006	4.2%	17,769	18,559	791	4.4%	29,249	29,541	293	1.0%
14.8%	22,222	22,429	206	0.9%	23,814	24,793	979	4.1%	17,560	18,507	947	5.4%	29,063	29,490	428	1.5%
16.0%	20,986	21,929	942	4.5%	23,788	24,708	920	3.9%	17,489	18,184	695	4.0%	28,883	29,333	450	1.6%
17.3%	20,680	21,697	1,018	4.9%	23,565	24,529	964	4.1%	17,306	18,102	796	4.6%	28,265	29,241	976	3.5%
18.5%	20,624	21,057	433	2.1%	23,549	24,495	946	4.0%	17,265	18,098	833	4.8%	27,830	28,935	1,106	4.0%
19.8%	20,400	20,342	-58	-0.3%	23,175	24,271	1,096	4.7%	17,220	18,097	876	5.1%	27,046	28,880	1,834	6.8%
21.0%	19,312	19,642	330	1.7%	22,875	24,235	1,360	5.9%	17,204	18,008	803	4.7%	26,223	28,811	2,589	9.9%
22.2%	18,254	18,721	467	2.6%	22,792	23,741	950	4.2%	17,128	18,000	872	5.1%	26,199	28,400	2,201	8.4%
23.5%	16,703	17,260	557	3.3%	22,625	23,740	1,115	4.9%	17,111	17,853	742	4.3%	26,170	28,265	2,095	8.0%
24.7%	16,310	16,806	496	3.0%	22,577	23,628	1,051	4.7%	17,108	17,778	671	3.9%	25,656	28,261	2,605	10.2%
25.9%	15,792	16,294	502	3.2%	22,427	23,590	1,164	5.2%	17,106	17,768	661	3.9%	24,169	26,202	2,034	8.4%
27.2%	15,770	16,265	495	3.1%	22,363	23,382	1,019	4.6%	17,061	17,748	686	4.0%	24,103	23,910	-192	-0.8%
28.4%	15,523	16,227	704	4.5%	22,240	22,729	489	2.2%	17,008	17,731	723	4.3%	23,702	23,756	53	0.2%
29.6%	15,463	15,871	408	2.6%	21,879	22,661	782	3.6%	17,004	17,514	510	3.0%	23,484	23,578	94	0.4%
30.9%	15,042	15,560	518	3.4%	21,688	22,638	951	4.4%	16,996	17,404	408	2.4%	22,818	23,330	513	2.2%
32.1%	14,987	15,437	450	3.0%	21,639	22,617	978	4.5%	16,913	17,295	382	2.3%	22,405	22,717	312	1.4%
33.3%	14,740	15,406	666	4.5%	21,302	22,497	1,195	5.6%	16,866	17,283	417	2.5%	22,226	22,452	226	1.0%
34.6%	14,739	15,294	555	3.8%	21,218	22,462	1,244	5.9%	16,848	17,043	195	1.2%	22,129	22,248	119	0.5%
35.8%	14,701	15,288	588	4.0%	20,866	22,347	1,480	7.1%	16,813	16,986	174	1.0%	21,405	21,963	558	2.6%
37.0%	14,561	15,163	602	4.1%	20,853	21,967	1,115	5.3%	16,774	16,913	139	0.8%	21,019	21,722	704	3.3%
38.3%	14,525	15,028	503	3.5%	20,849	21,959	1,110	5.3%	16,757	16,843	86	0.5%	20,836	21,407	571	2.7%
39.5%	14,511	14,958	447	3.1%	20,831	21,780	950	4.6%	16,678	16,825	146	0.9%	20,697	21,104	407	2.0%
40.7%	14,501	14,441	-61	-0.4%	20,330	21,544	1,214	6.0%	16,638	16,819	181	1.1%	20,134	20,647	513	2.5%
42.0%	14,037	14,209	172	1.2%	20,262	21,354	1,092	5.4%	16,595	16,728	133	0.8%	19,988	20,585	597	3.0%
43.2%	13,763	14,037	274	2.0%	20,211	21,205	994	4.9%	16,415	16,671	256	1.6%	19,640	20,200	560	2.9%
44.4%	13,721	14,011	290	2.1%	20,202	21,190	988	4.9%	16,338	16,657	319	2.0%	16,875	19,958	3,083	18.3%
45.7%	13,653	13,985	332	2.4%	20,184	21,102	918	4.5%	16,313	16,626	312	1.9%	16,599	19,317	2,718	16.4%
46.9%	13,603	13,965	363	2.7%	20,094	21,096	1,002	5.0%	16,264	16,596	332	2.0%	14,453	15,198	745	5.2%
48.1%	13,570	13,840	270	2.0%	20,048	20,990	942	4.7%	16,017	16,573	556	3.5%	13,809	14,592	783	5.7%
49.4%	13,511	13,776	264	2.0%	20,042	20,969	927	4.6%	15,971	16,532	561	3.5%	13,720	14,389	669	4.9%
50.6%	13,367	13,722	355	2.7%	20,000	20,943	943	4.7%	15,958	16,468	511	3.2%	13,529	14,068	539	4.0%
51.9%	13,274	13,704	431	3.2%	19,988	20,881	893	4.5%	15,933	16,416	483	3.0%	13,364	13,975	611	4.6%
53.1%	13,172	13,606	434	3.3%	19,910	20,841	931	4.7%	15,897	16,267	370	2.3%	13,040	13,943	903	6.9%
54.3%	12,958	13,555	596	4.6%	19,883	20,801	918	4.6%	15,893	16,237	344	2.2%	12,725	13,773	1,047	8.2%
55.6%	12,932	13,491	559	4.3%	19,840	20,790	950	4.8%	15,754	16,117	363	2.3%	12,594	13,700	1,105	8.8%
56.8%	12,913	13,470	558	4.3%	19,829	20,779	950	4.8%	15,683	15,966	282	1.8%	12,571	13,561	990	7.9%
58.0%	12,905	13,291	386	3.0%	19,802	20,673	871	4.4%	15,681	15,954	274	1.7%	12,566	13,503	936	7.5%
59.3%	12,848	13,224	376	2.9%	19,675	20,351	677	3.4%	15,499	15,752	253	1.6%	12,525	13,390	865	6.9%
60.5%	12,695	13,214	519	4.1%	19,532	20,111	579	3.0%	15,481	15,677	196	1.3%	12,495	13,291	796	6.4%
61.7%	12,692	13,200	508	4.0%	19,505	20,053	549	2.8%	15,455	15,670	215	1.4%	12,443	13,282	839	6.7%
63.0%	12,643	13,025	382	3.0%	19,016	20,009	993	5.2%	15,450	15,656	206	1.3%	12,162	13,142	979	8.1%
64.2%	12,631	12,948	317	2.5%	18,935	19,891	956	5.1%	15,275	15,497	222	1.5%	12,123	13,009	886	7.3%
65.4%	12,621	12,855	234	1.9%	18,760	19,694	934	5.0%	15,227	15,482	255	1.7%	12,024	12,693	669	5.6%
66.7%	12,528	12,754	226	1.8%	18,756	19,654	898	4.8%	15,220	15,275	55	0.4%	11,888	12,567	680	5.7%
67.9%	12,456	12,720	264	2.1%	18,614	19,624	1,010	5.4%	15,132	15,246	114	0.8%	11,884	12,536	652	5.5%
69.1%	12,449	12,654	206	1.7%	18,568	19,046	478	2.6%	14,933	15,223	290	1.9%	11,733	12,529	797	6.8%
70.4%	12,281	12,610	329	2.7%	18,506	18,965	459	2.5%	14,920	14,931	11	0.1%	11,572	12,507	934	8.1%
71.6%	12,277	12,552	275	2.2%	17,888	18,889	1,000	5.6%	14,900	14,916	16	0.1%	11,541	12,350	809	7.0%
72.8%	12,218	12,472	254	2.1%	17,675	18,435	760	4.3%	14,865	14,822	-44	-0.3%	11,403	12,250	847	7.4%
74.1%	12,184	12,460	276	2.3%	17,466	18,423	958	5.5%	14,841	14,734	-107	-0.7%	11,255	12,165	909	8.1%
75.3%	11,997	12,444	447	3.7%	17,435	18,108	672	3.9%	14,441	14,689	249	1.7%	11,170	12,150	980	8.8%
76.5%	11,993	12,352	358	3.0%	17,388	17,727	340	2.0%	14,391	14,483	92	0.6%	11,086	12,105	1,019	9.2%
77.8%	11,921	12,178	257	2.2%	17,318	17,516	198	1.1%	14,235	14,446	211	1.5%	10,874	11,925	1,050	9.7%
79.0%	11,872	12,150	278	2.3%	17,272	17,378	106	0.6%	13,587	14,231	644	4.7%	10,741	11,740	999	9.3%
80.2%	11,538	11,955	417	3.6%	16,726	17,272	546	3.3%	13,252	14,152	900	6.8%	10,704	11,603	899	8.4%
81.5%	11,491	11,821	330	2.9%	16,293	16,820	526	3.2%	13,166	13,885	720	5.5%	10,365	11,554	1,189	11.5%
82.7%	11,478	11,796	318	2.8%	16,020	16,593	572	3.6%	12,821	13,749	928	7.2%	10,334	11,544	1,210	11.7%
84.0%	11,262	11,593	331	2.9%	15,894	16,119	225	1.4%	12,709	13,742	1,033	8.1%	9,750	11,350	1,599	16.4%
85.2%	11,167	11,538	371	3.3%	15,559	16,032	472	3.0%	12,291	13,529	1,238	10.1%	9,208	11,256	2,047	22.2%
86.4%	11,035	11,386	350	3.2%	15,159	15,698	540	3.6%	10,699	13,351	2,651	24.8%	8,470	11,215	2,745	32.4%
87.7%	10,992	11,384	392	3.6%	15,132	15,547	415	2.7%	10,276	12,813	2,537	24.7%	7,901	10,881	2,980	37.7%
88.9%	10,893	11,058	165	1.5%	14,620	15,529	909	6.2%	9,514	12,810	3,297	34.7%	7,794	9,490	1,696	21.8%
90.1%	10,713	10,997	284	2.7%	14,379	15,294	915	6.4%	9,275	12,767	3,491	37.6%	7,769	8,449	680	8.7%
91.4%	10,594	10,457	-137	-1.3%	14,009	15,158	1,148	8.2%	8,942	12,108	3,166	35.4%	7,674	8,372	698	9.1%
92.6%	9,740	9,784	44	0.5%	13,996	14,009	13	0.1%	8,813	11,998	3,185	36.1%	7,656	7,791	134	1.8%
93.8%	9,457	9,457	0	0.0%	13,802	13,540	-262	-1.9%	8,467	9,971	1,504	17.8%	7,627	7,733	106	1.4%
95.1%	9,447	9,396	-51	-0.5%	12,956	13,532	576	4.4%	7,696	9,563	1,868	24.3%	7,581	7,643	61	0.8%
96.3%	9,365	9,388	23	0.2%	12,925	13,158	234	1.8%	7,546	9,125	1,579	20.9%	7,579	7,579	0	0.0%
97.5%	8,752	9,141	389	4.4%	11,270	12,702	1,432	12.7%	7,380	8,022	642	8.7%	7,474	7,578	104	1.4%
98.8%	8,623	8,624	0	0.0%	9,091	12,015	2,924	32.2%	7,201	7,448	247	3.4%	7,443	7,474	31	0.4%
100.0%	8,561	8,528	-33	-0.4%	8,382	11,163	2,781	33.2%	7,157	7,401	244	3.4%	7,279	7,202	-77	-1.1%

Table SW-18-9a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
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 D	1,809	1,867	2,023	2,222	2,430	2,639	2,916	3,053	2,941	2,457	2,145	1,863
Difference	41	41	55	52	49	48	52	52	56	58	47	32
Percent Difference[3]	2.3%	2.2%	2.8%	2.4%	2.1%	1.8%	1.8%	1.7%	1.9%	2.4%	2.2%	1.7%
	Water Year Types[2]											
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 D	2,354	2,405	2,495	2,693	2,865	2,945	3,304	3,508	3,478	3,116	2,917	2,440
Difference	-23	-18	10	14	5	0	0	0	-5	-9	-10	-33
Percent Difference	-1.0%	-0.7%	0.4%	0.5%	0.2%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.4%	-1.3%
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 D	1,963	2,017	2,162	2,310	2,629	2,947	3,309	3,498	3,372	2,802	2,440	2,025
Difference	-2	-7	33	14	19	17	17	0	-21	-20	6	-15
Percent Difference	-0.1%	-0.4%	1.6%	0.6%	0.7%	0.6%	0.5%	0.0%	-0.6%	-0.7%	0.2%	-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 D	2,005	2,070	2,241	2,190	2,439	2,683	3,062	3,285	3,162	2,576	2,191	2,037
Difference	138	131	91	112	105	90	93	94	80	86	110	126
Percent Difference	7.4%	6.7%	4.2%	5.4%	4.5%	3.5%	3.1%	2.9%	2.6%	3.4%	5.3%	6.6%
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 D	1,325	1,414	1,682	1,902	2,131	2,460	2,658	2,710	2,520	1,970	1,530	1,374
Difference	83	82	103	59	62	74	80	89	117	143	107	77
Percent Difference	6.7%	6.2%	6.5%	3.2%	3.0%	3.1%	3.1%	3.4%	4.9%	7.8%	7.6%	5.9%
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 D	969	996	1,117	1,630	1,729	1,884	1,897	1,869	1,718	1,273	1,045	983
Difference	48	50	57	88	94	92	107	109	145	119	45	42
Percent Difference	5.2%	5.3%	5.4%	5.7%	5.7%	5.1%	6.0%	6.2%	9.2%	10.3%	4.5%	4.4%

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-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

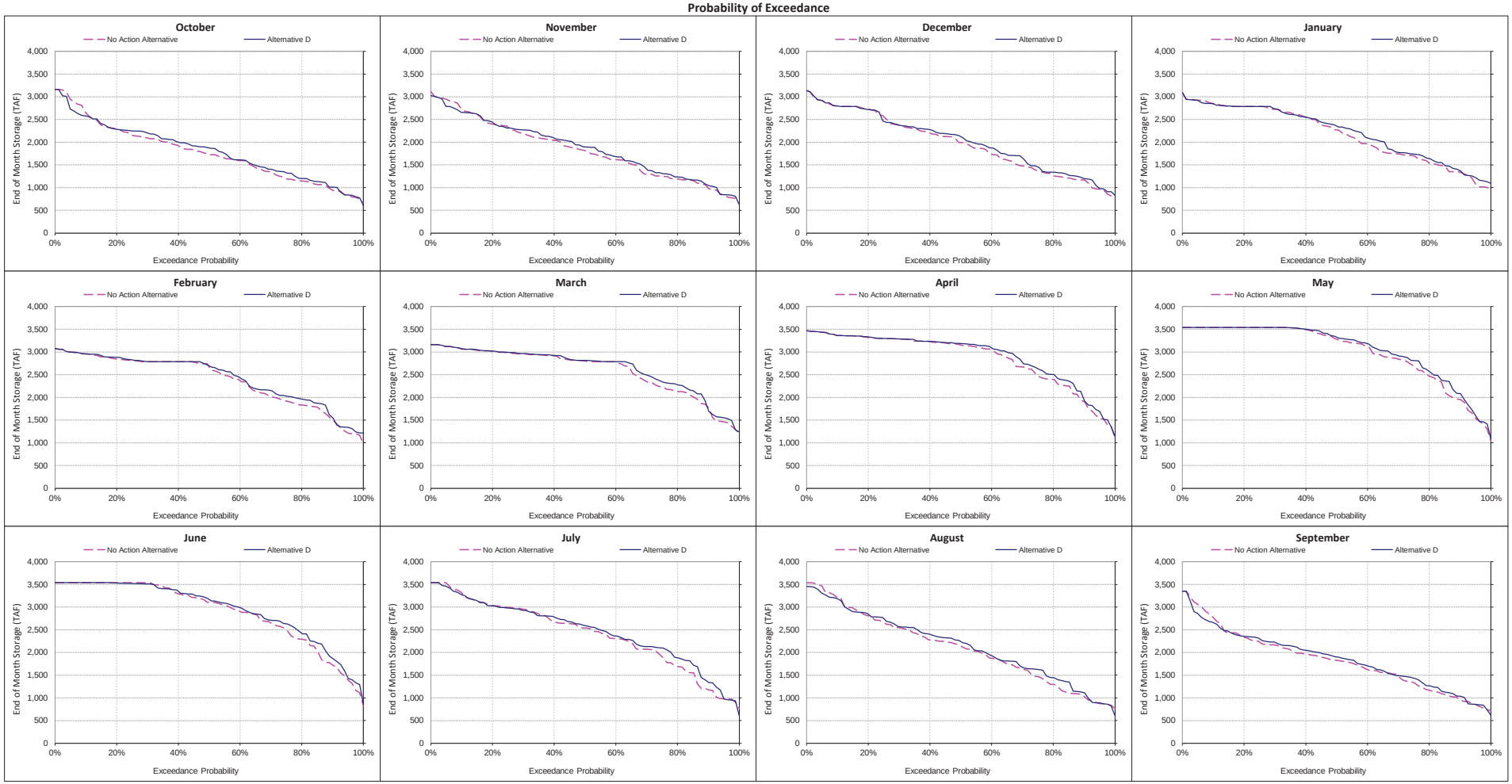

Table SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,020	-129	-4.1%
3.7%	3,104	3,010	-94	-3.0%
4.9%	2,951	2,732	-219	-7.4%
6.2%	2,888	2,689	-199	-6.9%
7.4%	2,836	2,632	-204	-7.2%
8.6%	2,813	2,590	-223	-7.9%
9.9%	2,658	2,583	-75	-2.8%
11.1%	2,571	2,557	-14	-0.5%
12.3%	2,516	2,515	-1	0.0%
13.6%	2,487	2,513	27	1.1%
14.8%	2,382	2,415	33	1.4%
16.0%	2,342	2,382	40	1.7%
17.3%	2,327	2,327	0	0.0%
18.5%	2,311	2,298	-12	-0.5%
19.8%	2,294	2,292	-1	-0.1%
21.0%	2,275	2,275	0	0.0%
22.2%	2,230	2,268	38	1.7%
23.5%	2,217	2,261	44	2.0%
24.7%	2,157	2,252	95	4.4%
25.9%	2,140	2,247	107	5.0%
27.2%	2,133	2,242	109	5.1%
28.4%	2,109	2,237	128	6.0%
29.6%	2,102	2,209	107	5.1%
30.9%	2,080	2,181	101	4.9%
32.1%	2,079	2,176	97	4.7%
33.3%	2,066	2,147	81	3.9%
34.6%	2,018	2,076	58	2.9%
35.8%	2,002	2,070	67	3.4%
37.0%	2,000	2,063	63	3.1%
38.3%	1,953	2,053	100	5.1%
39.5%	1,939	2,013	74	3.8%
40.7%	1,897	1,988	91	4.8%
42.0%	1,854	1,987	133	7.2%
43.2%	1,845	1,958	113	6.1%
44.4%	1,843	1,922	79	4.3%
45.7%	1,805	1,918	113	6.3%
46.9%	1,797	1,900	103	5.7%
48.1%	1,770	1,899	129	7.3%
49.4%	1,740	1,883	143	8.2%
50.6%	1,724	1,864	140	8.1%
51.9%	1,723	1,862	139	8.1%
53.1%	1,694	1,798	104	6.1%
54.3%	1,665	1,777	112	6.7%
55.6%	1,634	1,734	100	6.1%
56.8%	1,630	1,650	20	1.2%
58.0%	1,623	1,615	-8	-0.5%
59.3%	1,599	1,615	16	1.0%
60.5%	1,599	1,606	7	0.4%
61.7%	1,592	1,604	12	0.8%
63.0%	1,512	1,544	32	2.1%
64.2%	1,474	1,506	32	2.2%
65.4%	1,421	1,482	60	4.2%
66.7%	1,404	1,459	55	3.9%
67.9%	1,363	1,447	85	6.2%
69.1%	1,356	1,407	51	3.7%
70.4%	1,341	1,399	58	4.4%
71.6%	1,281	1,368	88	6.8%
72.8%	1,249	1,356	107	8.6%
74.1%	1,226	1,350	124	10.1%
75.3%	1,191	1,317	126	10.6%
76.5%	1,181	1,316	135	11.4%
77.8%	1,164	1,250	86	7.4%
79.0%	1,158	1,206	48	4.1%
80.2%	1,143	1,200	57	5.0%
81.5%	1,138	1,199	60	5.3%
82.7%	1,118	1,159	41	3.7%
84.0%	1,083	1,137	54	5.0%
85.2%	1,065	1,131	66	6.2%
86.4%	1,065	1,121	57	5.3%
87.7%	1,043	1,114	71	6.8%
88.9%	988	1,012	23	2.4%
90.1%	939	1,010	71	7.6%
91.4%	927	1,005	78	8.4%
92.6%	921	897	-24	-2.6%
93.8%	845	842	-3	-0.3%
95.1%	844	839	-6	-0.7%
96.3%	792	830	38	4.7%
97.5%	788	798	10	1.3%
98.8%	741	776	34	4.6%
100.0%	668	601	-66	-9.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,025	-94	-3.0%
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	2,788	-162	-5.5%
6.2%	2,909	2,788	-121	-4.1%
7.4%	2,891	2,752	-139	-4.8%
8.6%	2,859	2,713	-147	-5.1%
9.9%	2,734	2,661	-73	-2.7%
11.1%	2,679	2,651	-28	-1.0%
12.3%	2,670	2,649	-21	-0.8%
13.6%	2,631	2,641	9	0.4%
14.8%	2,624	2,623	-1	0.0%
16.0%	2,561	2,577	17	0.7%
17.3%	2,462	2,477	15	0.6%
18.5%	2,424	2,474	50	2.1%
19.8%	2,403	2,449	46	1.9%
21.0%	2,391	2,391	0	0.0%
22.2%	2,383	2,349	-34	-1.4%
23.5%	2,360	2,345	-16	-0.7%
24.7%	2,358	2,313	-45	-1.9%
25.9%	2,274	2,310	36	1.6%
27.2%	2,260	2,288	28	1.2%
28.4%	2,219	2,278	59	2.7%
29.6%	2,195	2,274	79	3.6%
30.9%	2,164	2,266	101	4.7%
32.1%	2,138	2,261	123	5.8%
33.3%	2,113	2,236	123	5.8%
34.6%	2,101	2,224	123	5.9%
35.8%	2,081	2,155	74	3.6%
37.0%	2,073	2,134	61	3.0%
38.3%	2,060	2,126	65	3.2%
39.5%	2,045	2,104	58	2.9%
40.7%	2,038	2,068	30	1.5%
42.0%	2,013	2,054	42	2.1%
43.2%	1,920	2,042	122	6.4%
44.4%	1,904	2,025	122	6.4%
45.7%	1,881	2,017	136	7.2%
46.9%	1,878	1,943	66	3.5%
48.1%	1,843	1,941	98	5.3%
49.4%	1,827	1,900	73	4.0%
50.6%	1,805	1,893	87	4.8%
51.9%	1,748	1,887	139	8.0%
53.1%	1,737	1,886	149	8.6%
54.3%	1,709	1,806	97	5.7%
55.6%	1,680	1,793	113	6.7%
56.8%	1,669	1,730	60	3.6%
58.0%	1,624	1,722	99	6.1%
59.3%	1,617	1,694	77	4.8%
60.5%	1,614	1,675	61	3.8%
61.7%	1,609	1,674	66	4.1%
63.0%	1,608	1,593	-15	-0.9%
64.2%	1,535	1,589	54	3.5%
65.4%	1,509	1,572	64	4.2%
66.7%	1,497	1,541	43	2.9%
67.9%	1,373	1,519	146	10.6%
69.1%	1,301	1,466	165	12.6%
70.4%	1,295	1,377	82	6.4%
71.6%	1,295	1,374	79	6.1%
72.8%	1,259	1,331	72	5.7%
74.1%	1,258	1,330	72	5.7%
75.3%	1,246	1,306	61	4.9%
76.5%	1,244	1,299	55	4.4%
77.8%	1,199	1,285	86	7.2%
79.0%	1,193	1,242	49	4.1%
80.2%	1,188	1,234	46	3.9%
81.5%	1,175	1,229	54	4.6%
82.7%	1,170	1,188	19	1.6%
84.0%	1,167	1,178	11	0.9%
85.2%	1,153	1,168	16	1.4%
86.4%	1,099	1,166	67	6.1%
87.7%	1,086	1,146	60	5.5%
88.9%	1,066	1,081	15	1.4%
90.1%	976	1,047	71	7.2%
91.4%	956	1,027	71	7.4%
92.6%	945	1,006	61	6.5%
93.8%	861	847	-14	-1.6%
95.1%	837	846	9	1.0%
96.3%	794	845	50	6.3%
97.5%	779	830	52	6.7%
98.8%	766	809	42	5.5%
100.0%	717	626	-91	-12.7%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,007	35	1.2%
3.7%	2,930	2,930	0	0.0%
4.9%	2,918	2,918	0	0.0%
6.2%	2,866	2,867	1	0.0%
7.4%	2,841	2,866	25	0.9%
8.6%	2,806	2,806	0	0.0%
9.9%	2,800	2,800	0	0.0%
11.1%	2,788	2,788	0	0.0%
12.3%	2,788	2,788	0	0.0%
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	2,747	-22	-0.8%
18.5%	2,739	2,737	-2	-0.1%
19.8%	2,737	2,721	-16	-0.6%
21.0%	2,707	2,715	8	0.3%
22.2%	2,698	2,704	7	0.3%
23.5%	2,607	2,662	55	2.1%
24.7%	2,586	2,467	-119	-4.6%
25.9%	2,508	2,436	-72	-2.9%
27.2%	2,405	2,433	28	1.2%
28.4%	2,397	2,405	8	0.3%
29.6%	2,379	2,383	4	0.2%
30.9%	2,359	2,364	6	0.2%
32.1%	2,327	2,358	31	1.3%
33.3%	2,316	2,342	26	1.1%
34.6%	2,299	2,341	42	1.8%
35.8%	2,283	2,303	21	0.9%
37.0%	2,246	2,302	56	2.5%
38.3%	2,239	2,287	48	2.1%
39.5%	2,216	2,284	68	3.1%
40.7%	2,183	2,263	79	3.6%
42.0%	2,174	2,217	43	2.0%
43.2%	2,135	2,195	60	2.8%
44.4%	2,127	2,195	68	3.2%
45.7%	2,120	2,182	61	2.9%
46.9%	2,120	2,172	52	2.5%
48.1%	2,087	2,166	80	3.8%
49.4%	1,993	2,145	151	7.6%
50.6%	1,992	2,101	109	5.5%
51.9%	1,974	2,032	58	2.9%
53.1%	1,919	2,009	89	4.7%
54.3%	1,870	1,980	111	5.9%
55.6%	1,868	1,962	94	5.0%
56.8%	1,864	1,956	91	4.9%
58.0%	1,841	1,919	78	4.2%
59.3%	1,740	1,878	138	7.9%
60.5%	1,724	1,873	149	8.7%
61.7%	1,719	1,823	104	6.1%
63.0%	1,631	1,752	122	7.5%
64.2%	1,623	1,747	125	7.7%
65.4%	1,598	1,708	110	6.9%
66.7%	1,580	1,707	127	8.1%
67.9%	1,511	1,706	194	12.8%
69.1%	1,485	1,701	217	14.6%
70.4%	1,473	1,630	157	10.7%
71.6%	1,459	1,531	73	5.0%
72.8%	1,443	1,480	36	2.5%
74.1%	1,389	1,478	89	6.4%
75.3%	1,362	1,446	84	6.2%
76.5%	1,340	1,356	16	1.2%
77.8%	1,315	1,341	26	2.0%
79.0%	1,312	1,340	28	2.1%
80.2%	1,254	1,338	84	6.7%
81.5%	1,244	1,330	85	6.9%
82.7%	1,236	1,323	87	7.1%
84.0%	1,211	1,305	94	7.8%
85.2%	1,209	1,268	59	4.8%
86.4%	1,187	1,261	74	6.2%
87.7%	1,175	1,249	74	6.3%
88.9%	1,173	1,231	58	4.9%
90.1%	1,167	1,194	26	2.2%
91.4%	1,099	1,189	91	8.2%
92.6%	994	1,168	174	17.5%
93.8%	971	1,050	79	8.1%
95.1%	968	976	8	0.9%
96.3%	942	972	30	3.2%
97.5%	860	910	50	5.9%
98.8%	816	910	94	11.6%
100.0%	780	831	51	6.5%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,091	3,091	0	0.0%
1.2%	2,943	2,943	0	0.0%
2.5%	2,940	2,940	0	0.0%
3.7%	2,937	2,924	-13	-0.4%
4.9%	2,924	2,922	-2	-0.1%
6.2%	2,922	2,870	-52	-1.8%
7.4%	2,911	2,855	-56	-1.9%
8.6%	2,870	2,854	-16	-0.6%
9.9%	2,854	2,846	-8	-0.3%
11.1%	2,846	2,813	-33	-1.2%
12.3%	2,813	2,809	-4	-0.1%
13.6%	2,809	2,800	-9	-0.3%
14.8%	2,788	2,797	9	0.3%
16.0%	2,788	2,792	4	0.1%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,787	2,788	1	0.0%
27.2%	2,774	2,788	14	0.5%
28.4%	2,729	2,787	58	2.1%
29.6%	2,727	2,742	16	0.6%
30.9%	2,725	2,728	3	0.1%
32.1%	2,691	2,672	-19	-0.7%
33.3%	2,660	2,634	-27	-1.0%
34.6%	2,655	2,611	-44	-1.7%
35.8%	2,629	2,609	-20	-0.8%
37.0%	2,606	2,598	-8	-0.3%
38.3%	2,595	2,564	-31	-1.2%
39.5%	2,551	2,563	12	0.5%
40.7%	2,539	2,538	0	0.0%
42.0%	2,503	2,521	18	0.7%
43.2%	2,496	2,511	14	0.6%
44.4%	2,394	2,457	64	2.7%
45.7%	2,367	2,428	62	2.6%
46.9%	2,349	2,412	63	2.7%
48.1%	2,333	2,399	66	2.8%
49.4%	2,273	2,379	106	4.7%
50.6%	2,265	2,335	70	3.1%
51.9%	2,201	2,334	133	6.0%
53.1%	2,177	2,309	132	6.1%
54.3%	2,126	2,296	171	8.0%
55.6%	2,101	2,256	156	7.4%
56.8%	2,044	2,236	192	9.4%
58.0%	1,970	2,210	240	12.2%
59.3%	1,969	2,109	139	7.1%
60.5%	1,961	2,085	124	6.3%
61.7%	1,917	2,061	144	7.5%
63.0%	1,879	2,052	173	9.2%
64.2%	1,791	2,024	233	13.0%
65.4%	1,774	2,009	235	13.2%
66.7%	1,757	1,854	97	5.5%
67.9%	1,756	1,835	79	4.5%
69.1%	1,749	1,787	38	2.2%
70.4%	1,744	1,771	28	1.6%
71.6%	1,721	1,771	50	2.9%
72.8%	1,712	1,759	48	2.8%
74.1%	1,708	1,744	35	2.1%
75.3%	1,696	1,738	42	2.5%
76.5%	1,624	1,723	100	6.1%
77.8%	1,614	1,701	88	5.4%
79.0%	1,598	1,656	58	3.6%
80.2%	1,522	1,638	116	7.6%
81.5%	1,522	1,586	65	4.2%
82.7%	1,505	1,552	47	3.1%
84.0%	1,483	1,550	68	4.6%
85.2%	1,474	1,477	3	0.2%
86.4%	1,352	1,477	125	9.2%
87.7%	1,349	1,422	72	5.4%
88.9%	1,349	1,406	57	4.3%
90.1%	1,341	1,369	28	2.1%
91.4%	1,298	1,277	-21	-1.6%
92.6%	1,275	1,268	-7	-0.6%
93.8%	1,214	1,255	40	3.3%
95.1%	1,080	1,219	139	12.8%
96.3%	1,018	1,163	145	14.2%
97.5%	1,018	1,148	130	12.8%
98.8%	1,005	1,131	126	12.5%
100.0%	963	1,094	131	13.6%

Table SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,078	0	0.0%
1.2%	3,059	3,059	0	0.0%
2.5%	3,057	3,057	0	0.0%
3.7%	3,009	3,009	0	0.0%
4.9%	2,997	2,997	0	0.0%
6.2%	2,996	2,987	-9	-0.3%
7.4%	2,987	2,986	-1	0.0%
8.6%	2,962	2,966	4	0.1%
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	2,948	23	0.8%
14.8%	2,895	2,925	30	1.0%
16.0%	2,890	2,890	0	0.0%
17.3%	2,884	2,888	4	0.1%
18.5%	2,856	2,886	30	1.1%
19.8%	2,845	2,884	39	1.4%
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	2,832	19	0.7%
25.9%	2,806	2,815	9	0.3%
27.2%	2,797	2,813	16	0.6%
28.4%	2,788	2,806	18	0.6%
29.6%	2,788	2,788	0	0.0%
30.9%	2,788	2,788	0	0.0%
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	2,787	35	1.3%
48.1%	2,744	2,750	6	0.2%
49.4%	2,739	2,713	-25	-0.9%
50.6%	2,600	2,672	72	2.8%
51.9%	2,586	2,653	67	2.6%
53.1%	2,552	2,608	56	2.2%
54.3%	2,492	2,603	111	4.4%
55.6%	2,477	2,569	92	3.7%
56.8%	2,455	2,564	108	4.4%
58.0%	2,400	2,485	85	3.6%
59.3%	2,400	2,461	61	2.6%
60.5%	2,347	2,407	60	2.6%
61.7%	2,347	2,365	19	0.8%
63.0%	2,235	2,253	18	0.8%
64.2%	2,155	2,206	51	2.4%
65.4%	2,131	2,184	53	2.5%
66.7%	2,098	2,167	70	3.3%
67.9%	2,086	2,166	80	3.8%
69.1%	2,042	2,163	121	5.9%
70.4%	2,011	2,145	134	6.6%
71.6%	1,992	2,080	89	4.4%
72.8%	1,967	2,047	80	4.1%
74.1%	1,928	2,043	115	6.0%
75.3%	1,915	2,022	106	5.5%
76.5%	1,895	2,018	123	6.5%
77.8%	1,866	1,993	127	6.8%
79.0%	1,838	1,977	138	7.5%
80.2%	1,829	1,961	131	7.2%
81.5%	1,818	1,943	126	6.9%
82.7%	1,808	1,939	131	7.2%
84.0%	1,795	1,882	87	4.9%
85.2%	1,782	1,869	88	4.9%
86.4%	1,698	1,859	161	9.5%
87.7%	1,648	1,833	185	11.2%
88.9%	1,569	1,622	53	3.3%
90.1%	1,489	1,546	57	3.8%
91.4%	1,416	1,392	-24	-1.7%
92.6%	1,322	1,353	30	2.3%
93.8%	1,264	1,346	82	6.5%
95.1%	1,212	1,342	130	10.8%
96.3%	1,201	1,315	114	9.5%
97.5%	1,199	1,240	41	3.4%
98.8%	1,168	1,218	50	4.3%
100.0%	978	1,215	237	24.3%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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%	3,162	3,162	0	0.0%
3.7%	3,133	3,143	10	0.3%
4.9%	3,123	3,123	0	0.0%
6.2%	3,120	3,120	0	0.0%
7.4%	3,105	3,105	0	0.0%
8.6%	3,096	3,096	0	0.0%
9.9%	3,063	3,078	15	0.5%
11.1%	3,059	3,063	4	0.1%
12.3%	3,058	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	3,022	4	0.1%
21.0%	2,999	3,018	19	0.6%
22.2%	2,995	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	2,964	13	0.4%
32.1%	2,944	2,954	10	0.3%
33.3%	2,943	2,951	8	0.3%
34.6%	2,937	2,944	7	0.2%
35.8%	2,936	2,943	7	0.2%
37.0%	2,927	2,937	10	0.3%
38.3%	2,922	2,936	14	0.5%
39.5%	2,918	2,927	9	0.3%
40.7%	2,909	2,922	13	0.4%
42.0%	2,860	2,918	58	2.0%
43.2%	2,847	2,880	33	1.2%
44.4%	2,833	2,847	14	0.5%
45.7%	2,817	2,833	16	0.6%
46.9%	2,817	2,817	0	0.0%
48.1%	2,814	2,817	3	0.1%
49.4%	2,804	2,816	12	0.4%
50.6%	2,797	2,813	16	0.6%
51.9%	2,788	2,808	20	0.7%
53.1%	2,788	2,803	15	0.5%
54.3%	2,788	2,797	9	0.3%
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	2,788	50	1.8%
63.0%	2,689	2,788	99	3.7%
64.2%	2,680	2,757	77	2.9%
65.4%	2,523	2,737	214	8.5%
66.7%	2,481	2,595	114	4.6%
67.9%	2,427	2,549	122	5.0%
69.1%	2,378	2,507	129	5.4%
70.4%	2,334	2,486	151	6.5%
71.6%	2,328	2,452	124	5.3%
72.8%	2,272	2,408	136	6.0%
74.1%	2,239	2,372	134	6.0%
75.3%	2,235	2,336	101	4.5%
76.5%	2,180	2,320	141	6.5%
77.8%	2,173	2,304	131	6.1%
79.0%	2,144	2,304	160	7.5%
80.2%	2,127	2,275	147	6.9%
81.5%	2,125	2,262	138	6.5%
82.7%	2,104	2,211	107	5.1%
84.0%	2,053	2,164	111	5.4%
85.2%	2,005	2,142	137	6.8%
86.4%	1,961	2,079	117	6.0%
87.7%	1,867	2,078	211	11.3%
88.9%	1,851	1,932	81	4.4%
90.1%	1,765	1,694	-71	-4.0%
91.4%	1,554	1,625	71	4.6%
92.6%	1,483	1,572	89	6.0%
93.8%	1,475	1,564	88	6.0%
95.1%	1,464	1,552	89	6.1%
96.3%	1,441	1,529	89	6.1%
97.5%	1,363	1,491	128	9.4%
98.8%	1,289	1,282	-7	-0.6%
100.0%	1,211	1,240	29	2.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,389	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	3,339	5	0.2%
19.8%	3,324	3,334	10	0.3%
21.0%	3,305	3,324	19	0.6%
22.2%	3,303	3,305	2	0.1%
23.5%	3,298	3,303	5	0.2%
24.7%	3,296	3,298	2	0.1%
25.9%	3,294	3,296	2	0.0%
27.2%	3,292	3,294	2	0.1%
28.4%	3,292	3,292	0	0.0%
29.6%	3,284	3,292	8	0.2%
30.9%	3,281	3,284	3	0.1%
32.1%	3,277	3,281	4	0.1%
33.3%	3,277	3,277	0	0.0%
34.6%	3,241	3,277	36	1.1%
35.8%	3,238	3,241	3	0.1%
37.0%	3,236	3,238	2	0.1%
38.3%	3,235	3,236	1	0.0%
39.5%	3,234	3,235	1	0.0%
40.7%	3,218	3,234	16	0.5%
42.0%	3,208	3,227	19	0.6%
43.2%	3,208	3,218	10	0.3%
44.4%	3,203	3,208	5	0.1%
45.7%	3,190	3,208	18	0.6%
46.9%	3,181	3,203	22	0.7%
48.1%	3,180	3,188	8	0.2%
49.4%	3,167	3,187	21	0.7%
50.6%	3,143	3,181	39	1.2%
51.9%	3,139	3,180	41	1.3%
53.1%	3,134	3,167	33	1.0%
54.3%	3,121	3,167	45	1.5%
55.6%	3,097	3,143	46	1.5%
56.8%	3,086	3,141	55	1.8%
58.0%	3,066	3,139	73	2.4%
59.3%	3,065	3,123	58	1.9%
60.5%	3,031	3,067	36	1.2%
61.7%	2,960	3,054	93	3.2%
63.0%	2,940	3,029	88	3.0%
64.2%	2,901	3,024	122	4.2%
65.4%	2,865	2,980	115	4.0%
66.7%	2,829	2,969	140	4.9%
67.9%	2,679	2,900	221	8.3%
69.1%	2,677	2,840	163	6.1%
70.4%	2,670	2,737	66	2.5%
71.6%	2,626	2,731	105	4.0%
72.8%	2,622	2,698	76	2.9%
74.1%	2,533	2,663	129	5.1%
75.3%	2,458	2,617	159	6.4%
76.5%	2,424	2,587	163	6.7%
77.8%	2,404	2,521	117	4.9%
79.0%	2,399	2,509	110	4.6%
80.2%	2,394	2,499	105	4.4%
81.5%	2,289	2,411	123	5.4%
82.7%	2,273	2,391	118	5.2%
84.0%	2,258	2,377	119	5.3%
85.2%	2,252	2,358	106	4.7%
86.4%	2,076	2,304	228	11.0%
87.7%	2,072	2,145	73	3.5%
88.9%	1,935	2,134	198	10.3%
90.1%	1,902	1,919	17	0.9%
91.4%	1,753	1,833	80	4.6%
92.6%	1,696	1,819	123	7.2%
93.8%	1,604	1,729	125	7.8%
95.1%	1,534	1,693	159	10.3%
96.3%	1,522	1,522	-1	0.0%
97.5%	1,395	1,509	115	8.2%
98.8%	1,360	1,353	-7	-0.5%
100.0%	1,100	1,137	37	3.4%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,538	0	0.0%
21.0%	3,538	3,538	0	0.0%
22.2%	3,538	3,538	0	0.0%
23.5%	3,538	3,538	0	0.0%
24.7%	3,538	3,538	0	0.0%
25.9%	3,538	3,538	0	0.0%
27.2%	3,538	3,538	0	0.0%
28.4%	3,538	3,538	0	0.0%
29.6%	3,538	3,538	0	0.0%
30.9%	3,538	3,538	0	0.0%
32.1%	3,538	3,538	0	0.0%
33.3%	3,538	3,538	0	0.0%
34.6%	3,536	3,536	0	0.0%
35.8%	3,531	3,532	0	0.0%
37.0%	3,527	3,527	0	0.0%
38.3%	3,507	3,512	6	0.2%
39.5%	3,494	3,507	13	0.4%
40.7%	3,482	3,494	12	0.4%
42.0%	3,460	3,482	22	0.6%
43.2%	3,414	3,482	68	2.0%
44.4%	3,405	3,460	55	1.6%
45.7%	3,371	3,414	42	1.2%
46.9%	3,363	3,405	42	1.3%
48.1%	3,346	3,363	17	0.5%
49.4%	3,296	3,346	50	1.5%
50.6%	3,267	3,305	38	1.2%
51.9%	3,235	3,296	61	1.9%
53.1%	3,233	3,284	51	1.6%
54.3%	3,207	3,270	63	2.0%
55.6%	3,205	3,266	62	1.9%
56.8%	3,190	3,233	43	1.3%
58.0%	3,176	3,205	29	0.9%
59.3%	3,133	3,203	70	2.2%
60.5%	3,110	3,174	64	2.0%
61.7%	2,970	3,104	134	4.5%
63.0%	2,943	3,072	129	4.4%
64.2%	2,936	3,030	94	3.2%
65.4%	2,891	3,024	133	4.6%
66.7%	2,884	3,021	137	4.8%
67.9%	2,867	2,952	85	3.0%
69.1%	2,858	2,936	79	2.8%
70.4%	2,834	2,910	76	2.7%
71.6%	2,819	2,898	79	2.8%
72.8%	2,787	2,879	91	3.3%
74.1%	2,731	2,815	84	3.1%
75.3%	2,675	2,811	136	5.1%
76.5%	2,598	2,804	206	7.9%
77.8%	2,584	2,651	67	2.6%
79.0%	2,500	2,618	118	4.7%
80.2%	2,464	2,556	92	3.7%
81.5%	2,432	2,489	57	2.4%
82.7%	2,368	2,484	116	4.9%
84.0%	2,346	2,378	31	1.3%
85.2%	2,104	2,362	258	12.3%
86.4%	2,036	2,353	318	15.6%
87.7%	1,997	2,171	174	8.7%
88.9%	1,967	2,087	119	6.1%
90.1%	1,956	2,081	125	6.4%
91.4%	1,893	1,951	59	3.1%
92.6%	1,714	1,830	116	6.8%
93.8%	1,655	1,728	73	4.4%
95.1%	1,535	1,593	58	3.7%
96.3%	1,475	1,468	-7	-0.5%
97.5%	1,419	1,465	46	3.2%
98.8%	1,309	1,412	103	7.9%
100.0%	1,042	1,079	37	3.6%

Table SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,535	-3	-0.1%
21.0%	3,538	3,524	-14	-0.4%
22.2%	3,538	3,523	-15	-0.4%
23.5%	3,538	3,522	-16	-0.5%
24.7%	3,538	3,520	-18	-0.5%
25.9%	3,538	3,520	-18	-0.5%
27.2%	3,538	3,519	-19	-0.6%
28.4%	3,538	3,517	-21	-0.6%
29.6%	3,538	3,509	-29	-0.8%
30.9%	3,538	3,509	-29	-0.8%
32.1%	3,495	3,493	-2	-0.1%
33.3%	3,486	3,425	-61	-1.7%
34.6%	3,467	3,404	-64	-1.8%
35.8%	3,424	3,403	-22	-0.6%
37.0%	3,422	3,398	-24	-0.7%
38.3%	3,349	3,381	32	0.9%
39.5%	3,305	3,378	73	2.2%
40.7%	3,279	3,307	27	0.8%
42.0%	3,260	3,298	38	1.2%
43.2%	3,258	3,289	30	0.9%
44.4%	3,212	3,285	74	2.3%
45.7%	3,210	3,248	38	1.2%
46.9%	3,193	3,244	51	1.6%
48.1%	3,167	3,228	61	1.9%
49.4%	3,109	3,191	82	2.6%
50.6%	3,103	3,138	36	1.1%
51.9%	3,101	3,130	29	0.9%
53.1%	3,082	3,109	27	0.9%
54.3%	3,054	3,095	41	1.3%
55.6%	3,030	3,083	52	1.7%
56.8%	2,991	3,051	60	2.0%
58.0%	2,949	3,021	73	2.5%
59.3%	2,924	3,003	78	2.7%
60.5%	2,886	2,977	91	3.1%
61.7%	2,883	2,924	41	1.4%
63.0%	2,871	2,883	13	0.4%
64.2%	2,847	2,855	7	0.3%
65.4%	2,826	2,846	20	0.7%
66.7%	2,703	2,833	130	4.8%
67.9%	2,687	2,746	60	2.2%
69.1%	2,681	2,715	34	1.3%
70.4%	2,635	2,706	71	2.7%
71.6%	2,595	2,705	110	4.2%
72.8%	2,578	2,690	112	4.4%
74.1%	2,544	2,637	94	3.7%
75.3%	2,477	2,629	152	6.2%
76.5%	2,363	2,591	228	9.6%
77.8%	2,315	2,536	221	9.5%
79.0%	2,299	2,469	170	7.4%
80.2%	2,294	2,412	118	5.1%
81.5%	2,271	2,410	139	6.1%
82.7%	2,151	2,256	104	4.9%
84.0%	2,142	2,240	99	4.6%
85.2%	2,019	2,203	184	9.1%
86.4%	1,836	2,188	352	19.2%
87.7%	1,782	2,042	260	14.6%
88.9%	1,777	1,925	148	8.4%
90.1%	1,714	1,864	150	8.8%
91.4%	1,672	1,798	126	7.5%
92.6%	1,551	1,735	184	11.9%
93.8%	1,484	1,598	114	7.7%
95.1%	1,384	1,425	42	3.0%
96.3%	1,319	1,398	79	6.0%
97.5%	1,165	1,334	169	14.5%
98.8%	1,112	1,293	181	16.3%
100.0%	824	858	34	4.2%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,459	-79	-2.2%
6.2%	3,447	3,417	-30	-0.9%
7.4%	3,385	3,349	-36	-1.1%
8.6%	3,374	3,327	-48	-1.4%
9.9%	3,324	3,274	-50	-1.5%
11.1%	3,220	3,251	31	1.0%
12.3%	3,197	3,185	-12	-0.4%
13.6%	3,170	3,171	1	0.0%
14.8%	3,130	3,151	20	0.6%
16.0%	3,115	3,100	-15	-0.5%
17.3%	3,095	3,096	2	0.1%
18.5%	3,059	3,030	-30	-1.0%
19.8%	3,031	3,028	-3	-0.1%
21.0%	3,027	3,024	-3	-0.1%
22.2%	3,021	2,992	-30	-1.0%
23.5%	3,009	2,991	-18	-0.6%
24.7%	2,999	2,981	-17	-0.6%
25.9%	2,993	2,972	-20	-0.7%
27.2%	2,976	2,963	-13	-0.4%
28.4%	2,973	2,958	-15	-0.5%
29.6%	2,956	2,928	-28	-0.9%
30.9%	2,944	2,923	-21	-0.7%
32.1%	2,898	2,892	-6	-0.2%
33.3%	2,893	2,882	-11	-0.4%
34.6%	2,859	2,811	-49	-1.7%
35.8%	2,824	2,809	-16	-0.6%
37.0%	2,810	2,808	-2	-0.1%
38.3%	2,752	2,800	48	1.8%
39.5%	2,680	2,798	119	4.4%
40.7%	2,663	2,759	96	3.6%
42.0%	2,645	2,728	82	3.1%
43.2%	2,644	2,723	79	3.0%
44.4%	2,636	2,679	43	1.6%
45.7%	2,635	2,672	37	1.4%
46.9%	2,622	2,631	9	0.3%
48.1%	2,553	2,630	77	3.0%
49.4%	2,539	2,599	61	2.4%
50.6%	2,535	2,582	47	1.9%
51.9%	2,523	2,563	39	1.6%
53.1%	2,464	2,550	86	3.5%
54.3%	2,457	2,513	55	2.2%
55.6%	2,412	2,482	70	2.9%
56.8%	2,393	2,458	65	2.7%
58.0%	2,313	2,402	89	3.8%
59.3%	2,307	2,365	58	2.5%
60.5%	2,301	2,359	58	2.5%
61.7%	2,298	2,328	30	1.3%
63.0%	2,275	2,285	11	0.5%
64.2%	2,240	2,285	45	2.0%
65.4%	2,191	2,262	71	3.2%
66.7%	2,076	2,179	103	4.9%
67.9%	2,074	2,150	75	3.6%
69.1%	2,074	2,133	59	2.9%
70.4%	2,068	2,132	65	3.1%
71.6%	2,060	2,131	71	3.4%
72.8%	2,037	2,115	78	3.8%
74.1%	1,960	2,101	140	7.2%
75.3%	1,883	2,100	217	11.5%
76.5%	1,779	2,057	279	15.7%
77.8%	1,774	2,005	232	13.1%
79.0%	1,717	1,897	180	10.5%
80.2%	1,686	1,882	196	11.6%
81.5%	1,679	1,849	170	10.1%
82.7%	1,583	1,821	238	15.1%
84.0%	1,556	1,818	262	16.8%
85.2%	1,555	1,720	165	10.6%
86.4%	1,307	1,691	384	29.4%
87.7%	1,210	1,446	237	19.5%
88.9%	1,207	1,400	192	15.9%
90.1%	1,176	1,339	162	13.8%
91.4%	1,162	1,330	168	14.5%
92.6%	1,011	1,236	225	22.2%
93.8%	983	1,178	194	19.7%
95.1%	975	973	-3	-0.3%
96.3%	973	959	-14	-1.5%
97.5%	970	952	-18	-1.8%
98.8%	898	935	37	4.1%
100.0%	767	605	-162	-21.1%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	3,438	-88	-2.5%
3.7%	3,486	3,389	-98	-2.8%
4.9%	3,469	3,302	-167	-4.8%
6.2%	3,323	3,266	-57	-1.7%
7.4%	3,315	3,214	-101	-3.0%
8.6%	3,284	3,209	-75	-2.3%
9.9%	3,211	3,190	-22	-0.7%
11.1%	3,204	3,144	-61	-1.9%
12.3%	3,004	3,004	0	0.0%
13.6%	2,991	2,951	-40	-1.3%
14.8%	2,988	2,902	-85	-2.9%
16.0%	2,932	2,890	-42	-1.4%
17.3%	2,912	2,887	-25	-0.8%
18.5%	2,837	2,878	41	1.4%
19.8%	2,811	2,855	44	1.6%
21.0%	2,793	2,785	-9	-0.3%
22.2%	2,714	2,783	70	2.6%
23.5%	2,711	2,781	70	2.6%
24.7%	2,675	2,766	91	3.4%
25.9%	2,622	2,684	61	2.3%
27.2%	2,617	2,665	48	1.9%
28.4%	2,551	2,627	76	3.0%
29.6%	2,551	2,575	23	0.9%
30.9%	2,538	2,562	23	0.9%
32.1%	2,516	2,561	45	1.8%
33.3%	2,492	2,551	59	2.4%
34.6%	2,439	2,551	112	4.6%
35.8%	2,414	2,507	93	3.9%
37.0%	2,359	2,442	83	3.5%
38.3%	2,341	2,415	74	3.2%
39.5%	2,279	2,407	128	5.6%
40.7%	2,275	2,383	108	4.8%
42.0%	2,266	2,353	87	3.8%
43.2%	2,248	2,340	92	4.1%
44.4%	2,247	2,329	82	3.6%
45.7%	2,226	2,319	93	4.2%
46.9%	2,218	2,314	95	4.3%
48.1%	2,192	2,279	87	4.0%
49.4%	2,172	2,267	95	4.4%
50.6%	2,117	2,213	95	4.5%
51.9%	2,077	2,199	121	5.8%
53.1%	2,069	2,153	84	4.1%
54.3%	2,030	2,060	30	1.5%
55.6%	2,023	2,036	14	0.7%
56.8%	1,989	2,034	45	2.3%
58.0%	1,948	1,995	46	2.4%
59.3%	1,879	1,953	74	4.0%
60.5%	1,865	1,913	47	2.5%
61.7%	1,853	1,863	10	0.5%
63.0%	1,826	1,823	-3	-0.2%
64.2%	1,774	1,812	38	2.2%
65.4%	1,742	1,809	68	3.9%
66.7%	1,728	1,805	78	4.5%
67.9%	1,676	1,803	127	7.6%
69.1%	1,658	1,707	49	2.9%
70.4%	1,624	1,663	39	2.4%
71.6%	1,608	1,644	36	2.3%
72.8%	1,513	1,637	124	8.2%
74.1%	1,476	1,632	157	10.6%
75.3%	1,462	1,621	158	10.8%
76.5%	1,422	1,612	190	13.4%
77.8%	1,357	1,484	127	9.4%
79.0%	1,296	1,449	153	11.8%
80.2%	1,296	1,442	146	11.3%
81.5%	1,240	1,397	157	12.6%
82.7%	1,157	1,383	226	19.6%
84.0%	1,130	1,358	228	20.2%
85.2%	1,106	1,348	242	21.9%
86.4%	1,093	1,147	54	4.9%
87.7%	1,090	1,140	50	4.6%
88.9%	1,077	1,129	52	4.8%
90.1%	1,021	1,115	94	9.3%
91.4%	951	990	39	4.1%
92.6%	943	900	-43	-4.6%
93.8%	902	889	-13	-1.4%
95.1%	874	888	14	1.6%
96.3%	873	865	-8	-0.9%
97.5%	860	862	2	0.3%
98.8%	835	821	-14	-1.7%
100.0%	766	605	-161	-21.1%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,351	3,351	0	0.0%
1.2%	3,351	3,351	0	0.0%
2.5%	3,237	3,143	-94	-2.9%
3.7%	3,116	2,904	-212	-6.8%
4.9%	3,061	2,858	-203	-6.6%
6.2%	3,014	2,773	-241	-8.0%
7.4%	2,920	2,723	-196	-6.7%
8.6%	2,853	2,686	-168	-5.9%
9.9%	2,786	2,660	-126	-4.5%
11.1%	2,690	2,622	-67	-2.5%
12.3%	2,638	2,535	-103	-3.9%
13.6%	2,470	2,483	13	0.5%
14.8%	2,431	2,469	38	1.6%
16.0%	2,431	2,423	-8	-0.3%
17.3%	2,430	2,396	-34	-1.4%
18.5%	2,394	2,364	-30	-1.3%
19.8%	2,338	2,357	19	0.8%
21.0%	2,317	2,346	29	1.3%
22.2%	2,273	2,341	68	3.0%
23.5%	2,255	2,336	81	3.6%
24.7%	2,245	2,316	71	3.2%
25.9%	2,187	2,262	75	3.4%
27.2%	2,177	2,243	65	3.0%
28.4%	2,168	2,234	66	3.0%
29.6%	2,166	2,232	65	3.0%
30.9%	2,152	2,195	44	2.0%
32.1%	2,109	2,163	54	2.6%
33.3%	2,090	2,155	64	3.1%
34.6%	2,072	2,153	80	3.9%
35.8%	2,029	2,137	108	5.3%
37.0%	1,983	2,119	136	6.8%
38.3%	1,982	2,071	89	4.5%
39.5%	1,971	2,051	80	4.1%
40.7%	1,955	2,039	84	4.3%
42.0%	1,938	2,026	88	4.6%
43.2%	1,933	2,005	72	3.7%
44.4%	1,892	1,994	102	5.4%
45.7%	1,892	1,968	76	4.0%
46.9%	1,865	1,958	93	5.0%
48.1%	1,837	1,936	100	5.4%
49.4%	1,833	1,908	75	4.1%
50.6%	1,821	1,893	72	4.0%
51.9%	1,804	1,875	72	4.0%
53.1%	1,797	1,859	62	3.4%
54.3%	1,776	1,841	65	3.7%
55.6%	1,754	1,827	73	4.2%
56.8%	1,715	1,757	41	2.4%
58.0%	1,690	1,740	50	3.0%
59.3%	1,643	1,721	78	4.8%
60.5%	1,609	1,692	84	5.2%
61.7%	1,603	1,680	76	4.8%
63.0%	1,596	1,629	33	2.1%
64.2%	1,561	1,619	58	3.7%
65.4%	1,557	1,590	33	2.1%
66.7%	1,554	1,537	-17	-1.1%
67.9%	1,527	1,523	-4	-0.3%
69.1%	1,527	1,492	-35	-2.3%
70.4%	1,446	1,486	39	2.7%
71.6%	1,389	1,476	87	6.3%
72.8%	1,364	1,463	99	7.2%
74.1%	1,357	1,456	98	7.2%
75.3%	1,325	1,425	101	7.6%
76.5%	1,261	1,394	133	10.6%
77.8%	1,223	1,331	108	8.8%
79.0%	1,185	1,268	83	7.0%
80.2%	1,163	1,262	100	8.6%
81.5%	1,137	1,237	101	8.9%
82.7%	1,129	1,234	105	9.3%
84.0%	1,097	1,149	52	4.7%
85.2%	1,071	1,125	54	5.1%
86.4%	1,037	1,116	79	7.6%
87.7%	1,025	1,093	68	6.6%
88.9%	1,014	1,040	26	2.6%
90.1%	949	1,033	84	8.8%
91.4%	922	1,006	84	9.1%
92.6%	921	869	-52	-5.6%
93.8%	874	859	-14	-1.7%
95.1%	857	858	1	0.1%
96.3%	809	843	33	4.1%
97.5%	774	842	68	8.8%
98.8%	744	732	-12	-1.6%
100.0%	712	613	-99	-13.9%

Table SW-19-9a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	751	757	772	792	812	830	850	859	850	810	782	757
Alternative D	756	762	778	798	817	834	854	864	855	816	787	762
Difference	5	5	6	6	5	4	4	4	5	6	5	4
Percent Difference[3]	0.7%	0.7%	0.8%	0.7%	0.6%	0.5%	0.5%	0.5%	0.6%	0.7%	0.7%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	813	818	824	839	854	859	884	898	896	872	858	822
Alternative D	812	818	825	841	854	859	884	898	896	871	857	820
Difference	-1	0	2	2	0	0	0	0	0	-1	-1	-1
Percent Difference	-0.1%	-0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%
Above Normal (15%)												
No Action Alternative	778	783	793	808	835	858	883	897	890	851	822	786
Alternative D	778	782	797	809	836	860	884	897	889	850	823	785
Difference	0	-1	4	1	1	1	1	0	-1	-1	1	-1
Percent Difference	0.0%	-0.1%	0.5%	0.1%	0.1%	0.1%	0.1%	0.0%	-0.2%	-0.2%	0.1%	-0.1%
Below Normal (17%)												
No Action Alternative	769	775	795	783	809	831	861	876	869	828	791	774
Alternative D	783	788	803	795	819	839	867	883	874	834	801	786
Difference	14	12	8	12	10	8	6	6	5	6	10	12
Percent Difference	1.8%	1.6%	1.1%	1.5%	1.2%	0.9%	0.7%	0.7%	0.6%	0.8%	1.3%	1.6%
Dry (22%)												
No Action Alternative	696	706	732	763	786	816	832	836	819	764	718	703
Alternative D	706	716	744	770	793	823	838	843	828	779	731	712
Difference	10	10	12	7	7	7	6	7	10	15	12	9
Percent Difference	1.4%	1.4%	1.7%	0.9%	0.8%	0.9%	0.8%	0.8%	1.2%	2.0%	1.7%	1.2%
Critical (15%)												
No Action Alternative	649	653	671	729	739	757	757	754	733	683	662	652
Alternative D	656	660	679	739	749	766	768	765	749	696	667	658
Difference	7	7	8	10	10	9	11	11	16	13	5	6
Percent Difference	1.1%	1.1%	1.2%	1.3%	1.3%	1.2%	1.4%	1.4%	2.2%	2.0%	0.7%	0.9%

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-19-9b
Lake Oroville, End of Month Elevation
Probability of Exceedance

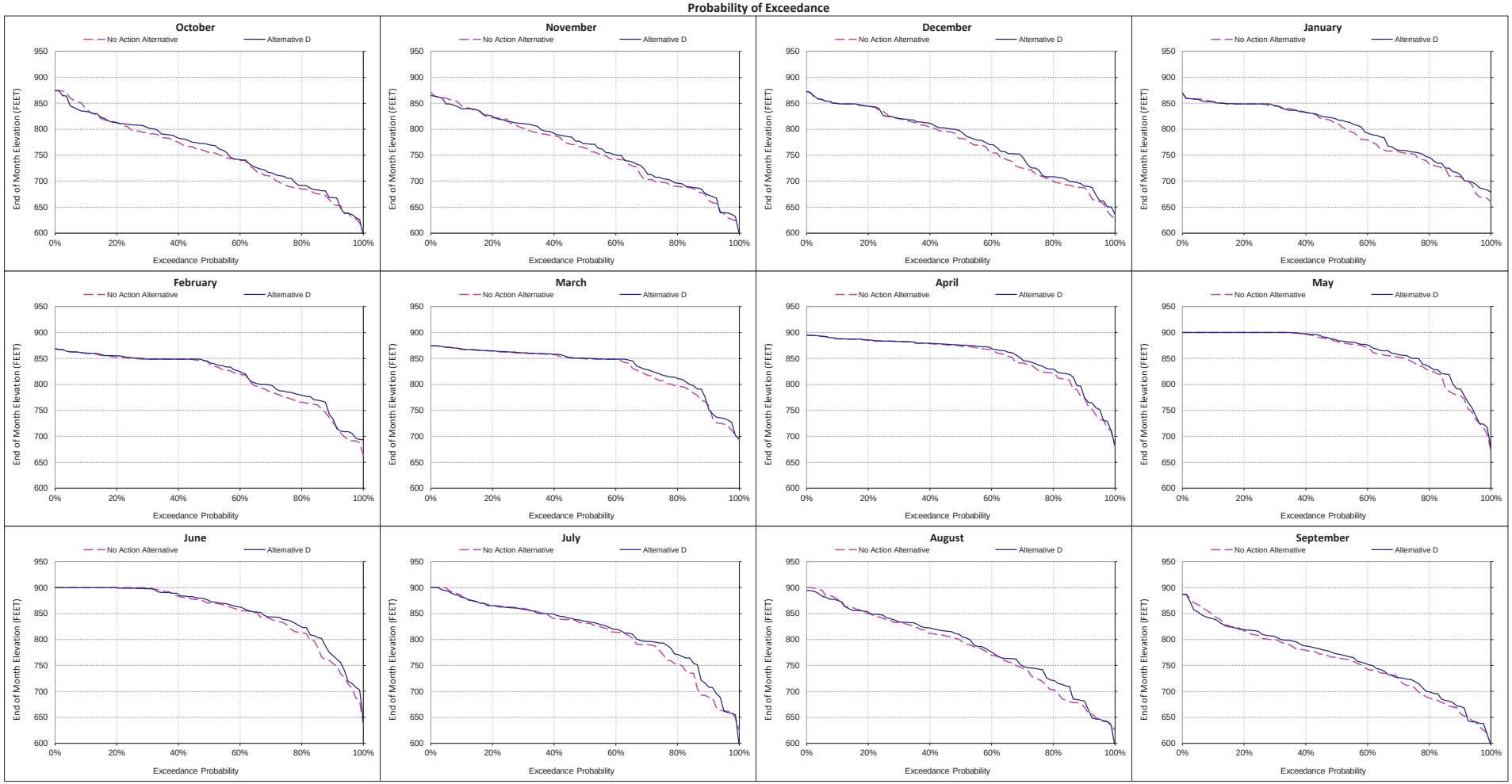

Table SW-19-9b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	865	-9	-1.0%
3.7%	870	864	-6	-0.7%
4.9%	860	845	-15	-1.7%
6.2%	856	842	-14	-1.6%
7.4%	852	838	-14	-1.6%
8.6%	850	835	-15	-1.8%
9.9%	840	835	-5	-0.6%
11.1%	834	833	-1	-0.1%
12.3%	830	830	0	0.0%
13.6%	828	830	2	0.2%
14.8%	821	823	2	0.3%
16.0%	818	821	3	0.4%
17.3%	816	816	0	0.0%
18.5%	815	813	-1	-0.2%
19.8%	813	813	0	0.0%
21.0%	811	811	0	0.0%
22.2%	806	810	4	0.5%
23.5%	805	810	5	0.6%
24.7%	799	809	10	1.2%
25.9%	797	808	11	1.4%
27.2%	797	808	11	1.4%
28.4%	794	807	13	1.6%
29.6%	793	804	11	1.4%
30.9%	791	801	10	1.3%
32.1%	791	801	10	1.3%
33.3%	790	798	8	1.0%
34.6%	785	791	6	0.8%
35.8%	783	790	7	0.9%
37.0%	783	789	6	0.8%
38.3%	778	788	10	1.3%
39.5%	777	784	8	1.0%
40.7%	772	782	9	1.2%
42.0%	768	781	14	1.8%
43.2%	767	779	12	1.5%
44.4%	767	775	8	1.1%
45.7%	763	774	12	1.5%
46.9%	762	773	11	1.4%
48.1%	759	772	13	1.7%
49.4%	756	771	15	1.9%
50.6%	755	769	14	1.9%
51.9%	754	769	14	1.9%
53.1%	751	762	11	1.4%
54.3%	748	760	12	1.6%
55.6%	744	756	11	1.5%
56.8%	744	746	2	0.3%
58.0%	743	742	-1	-0.1%
59.3%	740	742	2	0.3%
60.5%	740	741	1	0.1%
61.7%	739	741	1	0.2%
63.0%	729	733	4	0.5%
64.2%	725	729	4	0.5%
65.4%	718	726	7	1.0%
66.7%	716	723	7	0.9%
67.9%	711	722	10	1.4%
69.1%	710	717	6	0.9%
70.4%	709	716	7	1.0%
71.6%	701	712	11	1.5%
72.8%	697	711	13	1.9%
74.1%	695	710	15	2.2%
75.3%	690	706	15	2.2%
76.5%	689	706	16	2.4%
77.8%	687	697	10	1.5%
79.0%	686	692	6	0.8%
80.2%	684	691	7	1.0%
81.5%	684	691	7	1.1%
82.7%	681	686	5	0.7%
84.0%	677	684	7	1.0%
85.2%	675	683	8	1.2%
86.4%	675	682	7	1.0%
87.7%	672	681	9	1.3%
88.9%	664	668	4	0.6%
90.1%	656	668	13	1.9%
91.4%	653	667	14	2.1%
92.6%	652	648	-4	-0.7%
93.8%	639	638	-1	-0.1%
95.1%	639	638	-1	-0.2%
96.3%	629	636	7	1.1%
97.5%	628	630	2	0.3%
98.8%	619	626	6	1.0%
100.0%	605	593	-12	-2.1%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	865	-6	-0.7%
1.2%	864	864	0	0.0%
2.5%	862	862	0	0.0%
3.7%	861	860	-1	-0.1%
4.9%	860	849	-11	-1.3%
6.2%	857	849	-8	-1.0%
7.4%	856	846	-10	-1.1%
8.6%	854	844	-10	-1.2%
9.9%	845	840	-5	-0.6%
11.1%	841	839	-2	-0.2%
12.3%	841	839	-1	-0.2%
13.6%	838	839	1	0.1%
14.8%	838	838	0	0.0%
16.0%	833	834	1	0.1%
17.3%	827	828	1	0.1%
18.5%	824	827	3	0.4%
19.8%	822	826	3	0.4%
21.0%	822	822	0	0.0%
22.2%	821	819	-2	-0.3%
23.5%	820	818	-1	-0.2%
24.7%	819	815	-4	-0.5%
25.9%	811	815	4	0.5%
27.2%	810	812	3	0.4%
28.4%	805	811	6	0.8%
29.6%	803	811	8	1.0%
30.9%	800	810	10	1.3%
32.1%	797	810	13	1.6%
33.3%	794	807	13	1.6%
34.6%	793	806	13	1.6%
35.8%	791	799	8	1.0%
37.0%	790	797	6	0.8%
38.3%	789	796	7	0.9%
39.5%	787	793	6	0.8%
40.7%	787	790	3	0.4%
42.0%	784	788	4	0.5%
43.2%	775	787	13	1.6%
44.4%	773	785	13	1.6%
45.7%	771	785	14	1.8%
46.9%	770	777	7	0.9%
48.1%	767	777	10	1.3%
49.4%	765	773	7	1.0%
50.6%	763	772	9	1.2%
51.9%	757	771	14	1.9%
53.1%	756	771	15	2.0%
54.3%	753	763	10	1.3%
55.6%	750	762	12	1.5%
56.8%	749	755	6	0.9%
58.0%	743	754	11	1.5%
59.3%	742	751	9	1.2%
60.5%	742	749	7	1.0%
61.7%	741	749	8	1.1%
63.0%	741	739	-2	-0.2%
64.2%	732	739	7	0.9%
65.4%	729	737	8	1.1%
66.7%	728	733	5	0.7%
67.9%	713	730	18	2.5%
69.1%	704	724	20	2.9%
70.4%	703	713	10	1.4%
71.6%	703	713	10	1.4%
72.8%	699	707	9	1.3%
74.1%	699	707	9	1.3%
75.3%	697	704	7	1.1%
76.5%	697	703	7	1.0%
77.8%	691	702	11	1.5%
79.0%	691	697	6	0.9%
80.2%	690	696	6	0.8%
81.5%	688	695	7	1.0%
82.7%	688	690	2	0.3%
84.0%	687	689	1	0.2%
85.2%	686	688	2	0.3%
86.4%	679	687	8	1.2%
87.7%	678	685	7	1.1%
88.9%	675	677	2	0.3%
90.1%	662	673	10	1.6%
91.4%	659	670	12	1.8%
92.6%	657	668	11	1.7%
93.8%	642	639	-2	-0.4%
95.1%	637	639	2	0.3%
96.3%	629	639	9	1.5%
97.5%	626	636	10	1.6%
98.8%	624	632	8	1.3%
100.0%	615	598	-17	-2.8%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	864	2	0.3%
3.7%	858	858	0	0.0%
4.9%	858	858	0	0.0%
6.2%	854	854	0	0.0%
7.4%	852	854	2	0.2%
8.6%	850	850	0	0.0%
9.9%	850	850	0	0.0%
11.1%	849	849	0	0.0%
12.3%	849	849	0	0.0%
13.6%	849	849	0	0.0%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	847	846	-2	-0.2%
18.5%	845	845	0	0.0%
19.8%	845	844	-1	-0.1%
21.0%	843	844	1	0.1%
22.2%	843	843	0	0.1%
23.5%	836	840	4	0.4%
24.7%	835	827	-8	-1.0%
25.9%	830	825	-5	-0.6%
27.2%	823	825	2	0.2%
28.4%	822	823	1	0.1%
29.6%	821	821	0	0.0%
30.9%	819	820	0	0.0%
32.1%	816	819	3	0.4%
33.3%	815	818	3	0.3%
34.6%	814	818	4	0.5%
35.8%	812	814	2	0.3%
37.0%	808	814	6	0.7%
38.3%	807	812	5	0.6%
39.5%	805	812	7	0.9%
40.7%	802	810	8	1.0%
42.0%	801	805	4	0.6%
43.2%	797	803	6	0.8%
44.4%	796	803	7	0.9%
45.7%	795	802	6	0.8%
46.9%	795	801	5	0.7%
48.1%	792	800	8	1.0%
49.4%	782	798	16	2.0%
50.6%	782	793	11	1.4%
51.9%	780	786	6	0.8%
53.1%	775	784	9	1.2%
54.3%	770	781	11	1.5%
55.6%	769	779	10	1.3%
56.8%	769	778	9	1.2%
58.0%	767	775	8	1.0%
59.3%	756	770	14	1.9%
60.5%	754	770	15	2.0%
61.7%	754	765	11	1.4%
63.0%	744	757	13	1.8%
64.2%	743	757	14	1.9%
65.4%	740	753	13	1.7%
66.7%	738	753	15	2.0%
67.9%	729	753	23	3.2%
69.1%	726	752	26	3.6%
70.4%	725	744	19	2.6%
71.6%	723	732	9	1.2%
72.8%	721	726	4	0.6%
74.1%	715	725	11	1.5%
75.3%	711	721	10	1.4%
76.5%	709	711	2	0.3%
77.8%	705	709	3	0.5%
79.0%	705	709	3	0.5%
80.2%	698	708	10	1.5%
81.5%	697	707	10	1.5%
82.7%	696	706	11	1.5%
84.0%	693	704	12	1.7%
85.2%	693	700	7	1.0%
86.4%	690	699	9	1.3%
87.7%	688	697	9	1.3%
88.9%	688	695	7	1.0%
90.1%	687	691	3	0.5%
91.4%	679	690	11	1.6%
92.6%	666	687	22	3.3%
93.8%	661	673	12	1.8%
95.1%	661	662	2	0.2%
96.3%	656	661	5	0.8%
97.5%	641	650	9	1.4%
98.8%	633	650	17	2.7%
100.0%	627	636	10	1.5%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	859	859	0	0.0%
2.5%	859	859	0	0.0%
3.7%	859	858	-1	-0.1%
4.9%	858	858	0	0.0%
6.2%	858	854	-4	-0.4%
7.4%	857	853	-4	-0.4%
8.6%	854	853	-1	-0.1%
9.9%	853	853	-1	-0.1%
11.1%	853	850	-2	-0.3%
12.3%	850	850	0	0.0%
13.6%	850	850	-1	-0.1%
14.8%	849	849	1	0.1%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	848	849	1	0.1%
28.4%	845	849	4	0.5%
29.6%	845	846	1	0.1%
30.9%	844	845	0	0.0%
32.1%	842	841	-1	-0.2%
33.3%	840	838	-2	-0.2%
34.6%	840	837	-3	-0.4%
35.8%	838	837	-1	-0.2%
37.0%	836	836	-1	-0.1%
38.3%	836	833	-2	-0.3%
39.5%	833	833	1	0.1%
40.7%	832	832	0	0.0%
42.0%	829	831	1	0.1%
43.2%	829	830	1	0.1%
44.4%	822	826	4	0.5%
45.7%	820	824	4	0.5%
46.9%	819	823	4	0.5%
48.1%	817	822	5	0.6%
49.4%	811	821	10	1.2%
50.6%	810	817	7	0.9%
51.9%	803	817	14	1.7%
53.1%	801	815	14	1.7%
54.3%	796	813	18	2.2%
55.6%	793	809	16	2.0%
56.8%	787	807	20	2.5%
58.0%	780	804	25	3.2%
59.3%	780	794	14	1.8%
60.5%	779	792	13	1.6%
61.7%	774	789	15	1.9%
63.0%	770	788	18	2.3%
64.2%	761	785	24	3.1%
65.4%	760	784	24	3.2%
66.7%	758	768	10	1.3%
67.9%	758	766	8	1.1%
69.1%	757	761	4	0.5%
70.4%	757	759	3	0.4%
71.6%	754	759	5	0.7%
72.8%	753	758	5	0.6%
74.1%	753	757	4	0.5%
75.3%	752	756	4	0.6%
76.5%	743	754	11	1.5%
77.8%	742	752	10	1.4%
79.0%	740	747	7	1.0%
80.2%	731	745	14	1.9%
81.5%	731	739	8	1.1%
82.7%	729	734	6	0.8%
84.0%	726	734	8	1.1%
85.2%	725	725	0	0.1%
86.4%	710	725	15	2.1%
87.7%	710	719	9	1.2%
88.9%	710	717	7	1.0%
90.1%	709	712	3	0.5%
91.4%	703	701	-3	-0.4%
92.6%	701	700	-1	-0.1%
93.8%	693	698	5	0.7%
95.1%	677	694	17	2.5%
96.3%	669	687	18	2.6%
97.5%	669	685	16	2.4%
98.8%	667	683	16	2.3%
100.0%	660	678	19	2.8%

Table SW-19-9b
Lake Oroville, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	867	867	0	0.0%
2.5%	867	867	0	0.0%
3.7%	864	864	0	0.0%
4.9%	863	863	0	0.0%
6.2%	863	862	-1	-0.1%
7.4%	862	862	0	0.0%
8.6%	861	861	0	0.0%
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	2	0.2%
14.8%	856	858	2	0.2%
16.0%	856	856	0	0.0%
17.3%	855	856	0	0.0%
18.5%	853	855	2	0.2%
19.8%	853	855	3	0.3%
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	1	0.2%
25.9%	850	851	1	0.1%
27.2%	849	850	1	0.1%
28.4%	849	850	1	0.1%
29.6%	849	849	0	0.0%
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	846	0	0.0%
49.4%	845	844	-2	-0.2%
50.6%	836	841	5	0.6%
51.9%	835	840	5	0.5%
53.1%	833	836	4	0.5%
54.3%	829	836	8	0.9%
55.6%	828	834	6	0.8%
56.8%	826	833	7	0.9%
58.0%	822	828	6	0.7%
59.3%	822	826	4	0.5%
60.5%	818	823	4	0.5%
61.7%	818	820	1	0.2%
63.0%	807	809	2	0.2%
64.2%	799	804	5	0.7%
65.4%	796	802	5	0.7%
66.7%	793	800	7	0.9%
67.9%	792	800	8	1.0%
69.1%	787	800	12	1.6%
70.4%	784	798	14	1.8%
71.6%	782	791	9	1.2%
72.8%	779	788	8	1.1%
74.1%	775	787	12	1.5%
75.3%	774	785	11	1.4%
76.5%	772	785	13	1.6%
77.8%	769	782	13	1.7%
79.0%	766	780	14	1.9%
80.2%	765	779	13	1.8%
81.5%	764	777	13	1.7%
82.7%	763	777	13	1.8%
84.0%	762	771	9	1.2%
85.2%	760	769	9	1.2%
86.4%	752	768	17	2.2%
87.7%	746	766	20	2.6%
88.9%	736	743	6	0.9%
90.1%	727	734	7	1.0%
91.4%	718	715	-3	-0.4%
92.6%	706	710	4	0.5%
93.8%	699	709	10	1.4%
95.1%	693	709	16	2.3%
96.3%	692	705	14	2.0%
97.5%	691	696	5	0.7%
98.8%	688	694	6	0.9%
100.0%	663	693	31	4.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	873	1	0.1%
4.9%	872	872	0	0.0%
6.2%	871	871	0	0.0%
7.4%	870	870	0	0.0%
8.6%	870	870	0	0.0%
9.9%	868	869	1	0.1%
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	861	1	0.1%
32.1%	859	860	1	0.1%
33.3%	859	860	1	0.1%
34.6%	859	859	0	0.1%
35.8%	859	859	0	0.1%
37.0%	858	859	1	0.1%
38.3%	858	859	1	0.1%
39.5%	858	858	1	0.1%
40.7%	857	858	1	0.1%
42.0%	854	858	4	0.5%
43.2%	853	855	2	0.3%
44.4%	852	853	1	0.1%
45.7%	851	852	1	0.1%
46.9%	851	851	0	0.0%
48.1%	851	851	0	0.0%
49.4%	850	851	1	0.1%
50.6%	849	850	1	0.1%
51.9%	849	850	1	0.2%
53.1%	849	850	1	0.1%
54.3%	849	849	1	0.1%
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	849	3	0.4%
63.0%	842	849	7	0.8%
64.2%	841	847	5	0.6%
65.4%	831	845	15	1.8%
66.7%	828	836	8	0.9%
67.9%	824	832	8	1.0%
69.1%	821	830	9	1.1%
70.4%	817	828	11	1.3%
71.6%	816	826	9	1.1%
72.8%	811	823	12	1.5%
74.1%	807	820	13	1.6%
75.3%	807	817	10	1.3%
76.5%	801	816	14	1.8%
77.8%	801	814	13	1.7%
79.0%	798	814	16	2.1%
80.2%	796	811	15	1.9%
81.5%	796	810	14	1.8%
82.7%	794	805	11	1.4%
84.0%	788	800	11	1.4%
85.2%	783	797	14	1.8%
86.4%	779	791	12	1.5%
87.7%	769	791	22	2.8%
88.9%	768	776	8	1.1%
90.1%	759	751	-7	-1.0%
91.4%	735	743	9	1.2%
92.6%	726	737	11	1.5%
93.8%	725	736	11	1.5%
95.1%	724	734	11	1.5%
96.3%	721	732	11	1.5%
97.5%	711	727	16	2.2%
98.8%	702	701	-1	-0.1%
100.0%	693	696	3	0.5%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	886	1	0.1%
21.0%	884	885	1	0.1%
22.2%	884	884	0	0.0%
23.5%	884	884	0	0.0%
24.7%	883	884	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	1	0.1%
30.9%	882	883	0	0.0%
32.1%	882	882	0	0.0%
33.3%	882	882	0	0.0%
34.6%	880	882	2	0.3%
35.8%	879	880	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	879	1	0.1%
43.2%	877	878	1	0.1%
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	0.2%
50.6%	873	876	3	0.3%
51.9%	873	876	3	0.3%
53.1%	872	875	2	0.3%
54.3%	872	875	3	0.4%
55.6%	870	873	3	0.4%
56.8%	869	873	4	0.4%
58.0%	868	873	5	0.6%
59.3%	868	872	4	0.5%
60.5%	865	868	2	0.3%
61.7%	861	867	6	0.7%
63.0%	859	865	6	0.7%
64.2%	856	865	8	1.0%
65.4%	854	862	8	0.9%
66.7%	852	861	10	1.1%
67.9%	841	856	15	1.8%
69.1%	841	852	11	1.3%
70.4%	841	845	5	0.5%
71.6%	838	845	7	0.9%
72.8%	837	843	5	0.6%
74.1%	831	840	9	1.1%
75.3%	826	837	11	1.3%
76.5%	824	835	11	1.4%
77.8%	823	831	8	1.0%
79.0%	822	830	8	0.9%
80.2%	822	829	7	0.9%
81.5%	812	823	11	1.3%
82.7%	811	822	11	1.3%
84.0%	809	821	11	1.4%
85.2%	809	819	11	1.3%
86.4%	791	814	23	3.0%
87.7%	790	798	8	1.0%
88.9%	776	797	20	2.6%
90.1%	773	775	2	0.2%
91.4%	757	766	8	1.1%
92.6%	752	764	13	1.7%
93.8%	741	755	14	1.9%
95.1%	732	751	19	2.6%
96.3%	731	731	0	0.0%
97.5%	715	729	14	2.0%
98.8%	711	710	-1	-0.1%
100.0%	679	684	5	0.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.7%	900	900	0	0.0%
25.9%	900	900	0	0.0%
27.2%	900	900	0	0.0%
28.4%	900	900	0	0.0%
29.6%	900	900	0	0.0%
30.9%	900	900	0	0.0%
32.1%	900	900	0	0.0%
33.3%	900	900	0	0.0%
34.6%	900	900	0	0.0%
35.8%	899	900	0	0.0%
37.0%	899	899	0	0.0%
38.3%	898	898	0	0.0%
39.5%	897	898	1	0.1%
40.7%	896	897	1	0.1%
42.0%	895	896	1	0.2%
43.2%	891	896	5	0.5%
44.4%	891	895	4	0.4%
45.7%	889	891	3	0.3%
46.9%	888	891	3	0.3%
48.1%	887	888	1	0.1%
49.4%	883	887	3	0.4%
50.6%	881	884	3	0.3%
51.9%	879	883	4	0.5%
53.1%	879	883	4	0.4%
54.3%	877	882	4	0.5%
55.6%	877	881	4	0.5%
56.8%	876	879	3	0.3%
58.0%	875	877	2	0.2%
59.3%	872	877	5	0.5%
60.5%	871	875	4	0.5%
61.7%	861	870	9	1.1%
63.0%	859	868	9	1.0%
64.2%	859	865	6	0.7%
65.4%	856	865	9	1.1%
66.7%	855	865	9	1.1%
67.9%	854	860	6	0.7%
69.1%	854	859	5	0.6%
70.4%	852	857	5	0.6%
71.6%	851	856	5	0.6%
72.8%	849	855	6	0.7%
74.1%	845	851	6	0.7%
75.3%	841	850	9	1.1%
76.5%	836	850	14	1.7%
77.8%	835	839	5	0.5%
79.0%	829	837	8	1.0%
80.2%	827	833	6	0.8%
81.5%	824	828	4	0.5%
82.7%	820	828	8	1.0%
84.0%	818	821	2	0.3%
85.2%	794	820	26	3.3%
86.4%	787	819	33	4.1%
87.7%	783	800	18	2.3%
88.9%	780	792	12	1.6%
90.1%	778	791	13	1.6%
91.4%	772	778	6	0.8%
92.6%	753	765	12	1.6%
93.8%	747	755	8	1.1%
95.1%	732	739	7	1.0%
96.3%	725	724	-1	-0.1%
97.5%	718	724	6	0.8%
98.8%	705	717	13	1.8%
100.0%	672	677	5	0.7%

Table SW-19-9b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	899	-1	-0.1%
22.2%	900	899	-1	-0.1%
23.5%	900	899	-1	-0.1%
24.7%	900	899	-1	-0.1%
25.9%	900	899	-1	-0.1%
27.2%	900	899	-1	-0.1%
28.4%	900	898	-1	-0.2%
29.6%	900	898	-2	-0.2%
30.9%	900	898	-2	-0.2%
32.1%	897	897	0	0.0%
33.3%	896	892	-4	-0.5%
34.6%	895	891	-4	-0.5%
35.8%	892	891	-1	-0.2%
37.0%	892	890	-2	-0.2%
38.3%	887	889	2	0.2%
39.5%	884	889	5	0.6%
40.7%	882	884	2	0.2%
42.0%	881	884	3	0.3%
43.2%	881	883	2	0.2%
44.4%	878	883	5	0.6%
45.7%	878	880	3	0.3%
46.9%	876	880	3	0.4%
48.1%	875	879	4	0.5%
49.4%	871	876	6	0.6%
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	0.3%
55.6%	865	869	4	0.4%
56.8%	863	867	4	0.5%
58.0%	860	865	5	0.6%
59.3%	858	863	5	0.6%
60.5%	855	862	6	0.7%
61.7%	855	858	3	0.3%
63.0%	854	855	1	0.1%
64.2%	853	853	1	0.1%
65.4%	851	853	1	0.2%
66.7%	843	852	9	1.1%
67.9%	842	846	4	0.5%
69.1%	841	844	2	0.3%
70.4%	838	843	5	0.6%
71.6%	836	843	8	0.9%
72.8%	834	842	8	0.9%
74.1%	832	838	6	0.8%
75.3%	828	838	10	1.3%
76.5%	820	835	16	1.9%
77.8%	815	832	16	2.0%
79.0%	814	827	13	1.6%
80.2%	813	823	10	1.2%
81.5%	811	823	12	1.5%
82.7%	798	809	11	1.3%
84.0%	797	808	10	1.3%
85.2%	785	804	19	2.4%
86.4%	766	802	36	4.7%
87.7%	761	787	27	3.5%
88.9%	760	775	15	2.0%
90.1%	753	769	15	2.0%
91.4%	749	762	13	1.7%
92.6%	734	756	21	2.9%
93.8%	726	740	14	1.9%
95.1%	714	719	5	0.7%
96.3%	706	716	10	1.4%
97.5%	687	708	21	3.0%
98.8%	681	703	22	3.2%
100.0%	635	641	6	1.0%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	887	-2	-0.3%
8.6%	889	886	-3	-0.4%
9.9%	885	882	-3	-0.4%
11.1%	878	880	2	0.2%
12.3%	877	876	-1	-0.1%
13.6%	875	875	0	0.0%
14.8%	872	874	1	0.2%
16.0%	871	870	-1	-0.1%
17.3%	870	870	0	0.0%
18.5%	867	865	-2	-0.2%
19.8%	865	865	0	0.0%
21.0%	865	865	0	0.0%
22.2%	865	863	-2	-0.2%
23.5%	864	863	-1	-0.1%
24.7%	863	862	-1	-0.1%
25.9%	863	861	-1	-0.2%
27.2%	862	861	-1	-0.1%
28.4%	861	860	-1	-0.1%
29.6%	860	858	-2	-0.2%
30.9%	859	858	-1	-0.2%
32.1%	856	856	0	-0.1%
33.3%	856	855	-1	-0.1%
34.6%	854	850	-3	-0.4%
35.8%	851	850	-1	-0.1%
37.0%	850	850	0	0.0%
38.3%	846	850	3	0.4%
39.5%	841	849	8	1.0%
40.7%	840	847	7	0.8%
42.0%	839	845	6	0.7%
43.2%	839	844	5	0.6%
44.4%	838	841	3	0.3%
45.7%	838	841	3	0.3%
46.9%	837	838	1	0.1%
48.1%	833	838	5	0.6%
49.4%	832	836	4	0.5%
50.6%	831	835	3	0.4%
51.9%	831	833	3	0.3%
53.1%	827	833	6	0.7%
54.3%	826	830	4	0.5%
55.6%	823	828	5	0.6%
56.8%	822	826	4	0.5%
58.0%	815	822	7	0.9%
59.3%	814	820	5	0.7%
60.5%	814	819	6	0.7%
61.7%	813	817	3	0.4%
63.0%	811	812	1	0.1%
64.2%	807	812	5	0.6%
65.4%	803	810	7	0.9%
66.7%	791	801	11	1.3%
67.9%	790	798	8	1.0%
69.1%	790	797	6	0.8%
70.4%	790	796	7	0.8%
71.6%	789	796	7	0.9%
72.8%	787	795	8	1.0%
74.1%	779	793	14	1.8%
75.3%	771	793	22	2.9%
76.5%	760	789	29	3.8%
77.8%	760	783	24	3.1%
79.0%	754	772	19	2.5%
80.2%	751	771	20	2.7%
81.5%	750	767	18	2.3%
82.7%	738	764	26	3.6%
84.0%	735	764	29	4.0%
85.2%	735	754	19	2.6%
86.4%	704	751	47	6.6%
87.7%	693	721	29	4.2%
88.9%	692	716	23	3.4%
90.1%	689	708	20	2.9%
91.4%	687	707	21	3.0%
92.6%	668	696	27	4.1%
93.8%	664	689	25	3.8%
95.1%	662	662	0	-0.1%
96.3%	662	659	-3	-0.4%
97.5%	661	658	-3	-0.5%
98.8%	648	655	7	1.0%
100.0%	624	594	-31	-4.9%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	894	-6	-0.6%
1.2%	900	894	-6	-0.7%
2.5%	899	893	-6	-0.7%
3.7%	896	890	-7	-0.7%
4.9%	895	884	-11	-1.3%
6.2%	885	881	-4	-0.4%
7.4%	885	878	-7	-0.8%
8.6%	883	877	-5	-0.6%
9.9%	878	876	-1	-0.2%
11.1%	877	873	-4	-0.5%
12.3%	864	863	0	0.0%
13.6%	863	860	-3	-0.3%
14.8%	862	857	-6	-0.7%
16.0%	859	856	-3	-0.3%
17.3%	857	856	-2	-0.2%
18.5%	852	855	3	0.3%
19.8%	850	853	3	0.4%
21.0%	849	849	-1	-0.1%
22.2%	844	848	5	0.6%
23.5%	843	848	5	0.6%
24.7%	841	847	6	0.7%
25.9%	837	842	4	0.5%
27.2%	837	840	3	0.4%
28.4%	833	838	5	0.6%
29.6%	833	834	2	0.2%
30.9%	832	833	2	0.2%
32.1%	830	833	3	0.4%
33.3%	829	833	4	0.5%
34.6%	825	833	8	0.9%
35.8%	823	830	6	0.8%
37.0%	819	825	6	0.7%
38.3%	818	823	5	0.7%
39.5%	812	823	11	1.4%
40.7%	811	821	10	1.2%
42.0%	810	819	9	1.1%
43.2%	808	818	9	1.2%
44.4%	808	817	8	1.0%
45.7%	806	816	10	1.2%
46.9%	805	815	10	1.2%
48.1%	803	811	9	1.1%
49.4%	800	810	10	1.2%
50.6%	795	805	10	1.2%
51.9%	791	803	12	1.6%
53.1%	790	799	9	1.1%
54.3%	786	789	3	0.4%
55.6%	785	787	1	0.2%
56.8%	782	786	5	0.6%
58.0%	778	782	5	0.6%
59.3%	770	778	8	1.0%
60.5%	769	774	5	0.6%
61.7%	768	769	1	0.1%
63.0%	765	765	0	0.0%
64.2%	760	764	4	0.5%
65.4%	756	763	7	0.9%
66.7%	755	763	8	1.1%
67.9%	750	763	13	1.8%
69.1%	747	753	5	0.7%
70.4%	743	748	5	0.6%
71.6%	741	746	4	0.6%
72.8%	730	745	15	2.1%
74.1%	725	744	19	2.6%
75.3%	723	743	19	2.7%
76.5%	718	742	23	3.2%
77.8%	711	726	15	2.2%
79.0%	703	722	19	2.6%
80.2%	703	721	18	2.5%
81.5%	696	715	19	2.7%
82.7%	686	714	28	4.0%
84.0%	683	711	28	4.1%
85.2%	680	710	30	4.3%
86.4%	678	685	7	1.0%
87.7%	678	684	6	0.9%
88.9%	676	683	6	0.9%
90.1%	670	681	12	1.7%
91.4%	658	665	7	1.1%
92.6%	656	649	-8	-1.2%
93.8%	649	647	-2	-0.3%
95.1%	644	646	3	0.4%
96.3%	644	642	-1	-0.2%
97.5%	641	642	0	0.1%
98.8%	637	634	-3	-0.4%
100.0%	624	594	-30	-4.9%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	887	887	0	0.0%
1.2%	887	887	0	0.0%
2.5%	879	873	-6	-0.7%
3.7%	871	857	-14	-1.7%
4.9%	867	854	-14	-1.6%
6.2%	864	848	-16	-1.9%
7.4%	858	844	-13	-1.6%
8.6%	853	842	-11	-1.3%
9.9%	849	840	-9	-1.0%
11.1%	842	837	-5	-0.5%
12.3%	839	831	-7	-0.8%
13.6%	827	828	1	0.1%
14.8%	824	827	3	0.3%
16.0%	824	824	-1	-0.1%
17.3%	824	822	-2	-0.3%
18.5%	822	820	-2	-0.3%
19.8%	818	819	2	0.2%
21.0%	815	818	3	0.4%
22.2%	811	818	7	0.9%
23.5%	809	817	8	1.0%
24.7%	808	815	7	0.9%
25.9%	802	810	8	1.0%
27.2%	801	808	7	0.8%
28.4%	800	807	7	0.8%
29.6%	800	807	7	0.8%
30.9%	798	803	4	0.6%
32.1%	794	800	6	0.7%
33.3%	792	799	7	0.8%
34.6%	790	799	8	1.0%
35.8%	786	797	11	1.4%
37.0%	781	795	14	1.8%
38.3%	781	790	9	1.2%
39.5%	780	788	8	1.1%
40.7%	778	787	9	1.1%
42.0%	776	786	9	1.2%
43.2%	776	783	7	1.0%
44.4%	772	782	10	1.4%
45.7%	772	780	8	1.0%
46.9%	769	779	10	1.2%
48.1%	766	776	10	1.3%
49.4%	766	773	8	1.0%
50.6%	764	772	7	1.0%
51.9%	763	770	7	1.0%
53.1%	762	768	6	0.8%
54.3%	760	767	7	0.9%
55.6%	758	765	8	1.0%
56.8%	754	758	4	0.6%
58.0%	751	756	5	0.7%
59.3%	745	754	9	1.2%
60.5%	741	751	10	1.3%
61.7%	741	750	9	1.3%
63.0%	740	744	4	0.5%
64.2%	736	743	7	1.0%
65.4%	735	739	4	0.5%
66.7%	735	733	-2	-0.3%
67.9%	731	731	0	-0.1%
69.1%	731	727	-4	-0.6%
70.4%	721	726	5	0.7%
71.6%	714	725	11	1.5%
72.8%	711	724	12	1.7%
74.1%	711	723	12	1.7%
75.3%	707	719	12	1.7%
76.5%	699	715	16	2.3%
77.8%	694	707	13	1.9%
79.0%	690	700	10	1.5%
80.2%	687	699	12	1.8%
81.5%	684	696	12	1.8%
82.7%	683	696	13	1.9%
84.0%	679	685	6	0.9%
85.2%	676	682	7	1.0%
86.4%	672	681	10	1.4%
87.7%	670	678	8	1.2%
88.9%	669	672	3	0.5%
90.1%	657	671	14	2.1%
91.4%	653	668	15	2.3%
92.6%	652	643	-9	-1.4%
93.8%	644	641	-3	-0.4%
95.1%	641	641	0	0.0%
96.3%	632	638	6	1.0%
97.5%	625	638	13	2.0%
98.8%	620	617	-2	-0.4%
100.0%	614	595	-19	-3.0%

Table SW-20-9a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
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 D	9,703	9,924	10,514	11,262	12,014	12,752	13,688	14,147	13,756	12,066	10,927	9,911
Difference	169	167	218	200	184	173	181	180	203	221	182	135
Percent Difference[3]	1.8%	1.7%	2.1%	1.8%	1.6%	1.4%	1.3%	1.3%	1.5%	1.9%	1.7%	1.4%
	Water Year Types[2]											
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 D	11,777	11,971	12,285	12,973	13,560	13,827	15,023	15,703	15,604	14,397	13,727	12,086
Difference	-70	-51	44	56	17	0	0	0	-16	-29	-33	-101
Percent Difference	-0.6%	-0.4%	0.4%	0.4%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.8%
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 D	10,382	10,565	11,108	11,626	12,750	13,833	15,039	15,670	15,249	13,350	12,119	10,620
Difference	-5	-27	132	50	60	57	57	0	-71	-66	21	-48
Percent Difference	0.0%	-0.3%	1.2%	0.4%	0.5%	0.4%	0.4%	0.0%	-0.5%	-0.5%	0.2%	-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 D	10,540	10,765	11,382	11,148	12,060	12,920	14,218	14,960	14,551	12,594	11,234	10,666
Difference	512	476	331	430	384	320	310	313	267	292	401	467
Percent Difference	5.1%	4.6%	3.0%	4.0%	3.3%	2.5%	2.2%	2.1%	1.9%	2.4%	3.7%	4.6%
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 D	7,858	8,206	9,238	10,122	10,982	12,171	12,854	13,033	12,383	10,409	8,702	8,060
Difference	339	339	419	235	236	272	279	307	407	547	436	312
Percent Difference	4.5%	4.3%	4.8%	2.4%	2.2%	2.3%	2.2%	2.4%	3.4%	5.5%	5.3%	4.0%
Critical (15%)												
No Action Alternative	6,116	6,230	6,735	8,691	9,061	9,676	9,678	9,567	8,823	7,124	6,474	6,205
Alternative D	6,324	6,446	6,984	9,034	9,419	10,021	10,078	9,974	9,390	7,600	6,647	6,384
Difference	208	216	249	342	358	345	401	407	567	476	173	179
Percent Difference	3.4%	3.5%	3.7%	3.9%	3.9%	3.6%	4.1%	4.3%	6.4%	6.7%	2.7%	2.9%

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-20-9b
Lake Oroville, End of Month Area
Probability of Exceedance

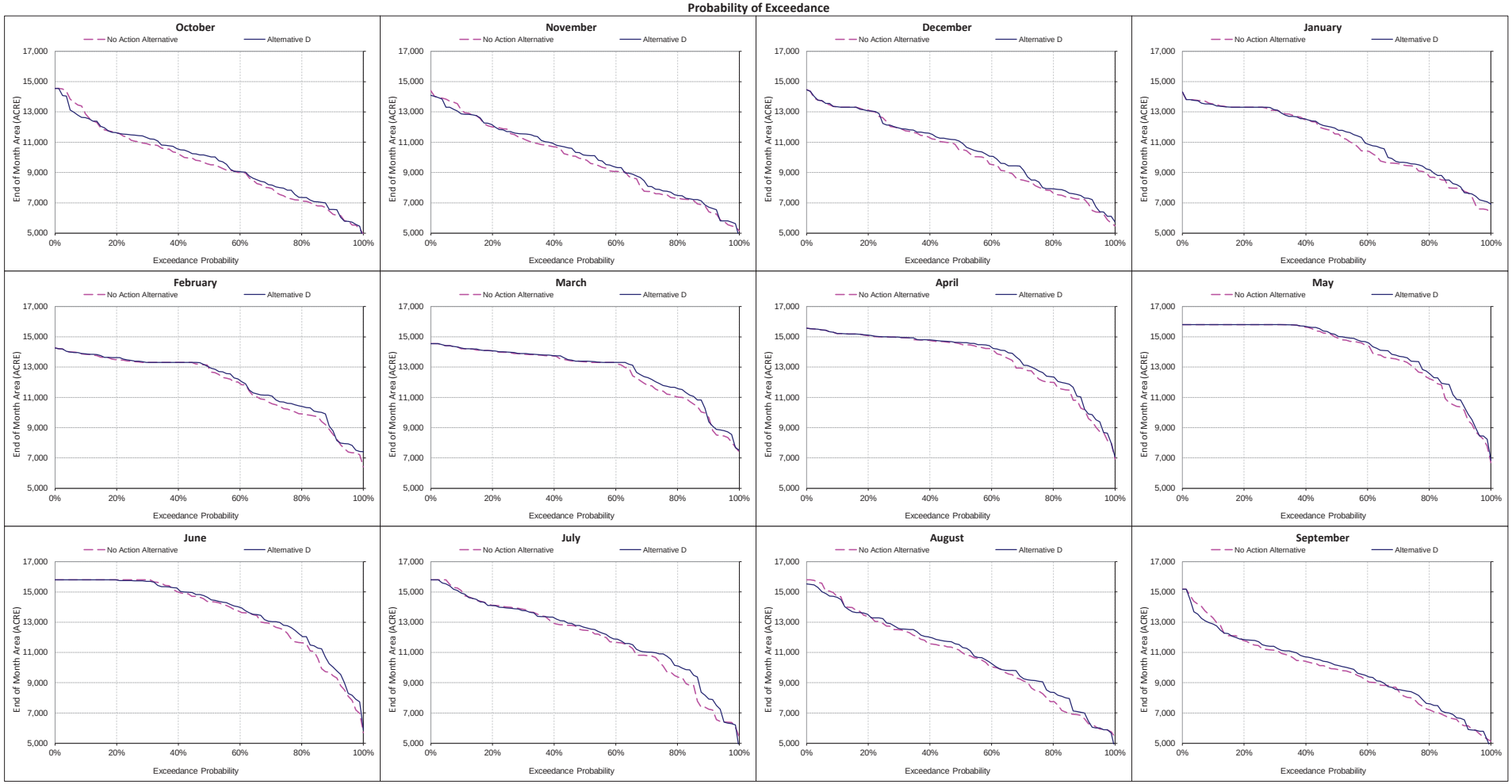

Table SW-20-9b

Lake Oroville, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	14,079	-429	-3.0%
3.7%	14,358	14,044	-313	-2.2%
4.9%	13,847	13,117	-729	-5.3%
6.2%	13,638	12,974	-664	-4.9%
7.4%	13,463	12,783	-680	-5.1%
8.6%	13,388	12,646	-743	-5.5%
9.9%	12,870	12,620	-250	-1.9%
11.1%	12,581	12,534	-47	-0.4%
12.3%	12,397	12,394	-3	0.0%
13.6%	12,301	12,389	88	0.7%
14.8%	11,951	12,061	111	0.9%
16.0%	11,814	11,951	137	1.2%
17.3%	11,756	11,756	1	0.0%
18.5%	11,696	11,651	-45	-0.4%
19.8%	11,633	11,628	-5	0.0%
21.0%	11,565	11,565	0	0.0%
22.2%	11,395	11,538	143	1.3%
23.5%	11,345	11,511	166	1.5%
24.7%	11,123	11,477	354	3.2%
25.9%	11,060	11,459	399	3.6%
27.2%	11,034	11,442	407	3.7%
28.4%	10,943	11,420	477	4.4%
29.6%	10,918	11,317	400	3.7%
30.9%	10,834	11,211	378	3.5%
32.1%	10,832	11,195	363	3.4%
33.3%	10,782	11,084	302	2.8%
34.6%	10,604	10,820	216	2.0%
35.8%	10,545	10,796	252	2.4%
37.0%	10,537	10,771	234	2.2%
38.3%	10,360	10,733	373	3.6%
39.5%	10,309	10,585	276	2.7%
40.7%	10,149	10,490	340	3.4%
42.0%	9,989	10,486	497	5.0%
43.2%	9,957	10,378	421	4.2%
44.4%	9,950	10,246	295	3.0%
45.7%	9,808	10,230	422	4.3%
46.9%	9,777	10,163	385	3.9%
48.1%	9,675	10,158	483	5.0%
49.4%	9,566	10,100	534	5.6%
50.6%	9,505	10,027	522	5.5%
51.9%	9,501	10,021	520	5.5%
53.1%	9,392	9,781	389	4.1%
54.3%	9,278	9,701	423	4.6%
55.6%	9,149	9,541	392	4.3%
56.8%	9,131	9,215	84	0.9%
58.0%	9,105	9,072	-33	-0.4%
59.3%	9,006	9,071	66	0.7%
60.5%	9,003	9,033	29	0.3%
61.7%	8,976	9,026	50	0.6%
63.0%	8,642	8,774	132	1.5%
64.2%	8,484	8,616	133	1.6%
65.4%	8,267	8,516	250	3.0%
66.7%	8,196	8,423	226	2.8%
67.9%	8,022	8,373	351	4.4%
69.1%	7,995	8,205	211	2.6%
70.4%	7,931	8,174	243	3.1%
71.6%	7,682	8,046	364	4.7%
72.8%	7,552	7,996	444	5.9%
74.1%	7,455	7,968	513	6.9%
75.3%	7,309	7,832	523	7.2%
76.5%	7,269	7,829	560	7.7%
77.8%	7,197	7,553	356	4.9%
79.0%	7,173	7,370	197	2.7%
80.2%	7,111	7,349	237	3.3%
81.5%	7,091	7,341	250	3.5%
82.7%	7,008	7,178	170	2.4%
84.0%	6,860	7,084	224	3.3%
85.2%	6,788	7,063	274	4.0%
86.4%	6,786	7,021	235	3.5%
87.7%	6,696	6,990	294	4.4%
88.9%	6,460	6,565	106	1.6%
90.1%	6,233	6,556	323	5.2%
91.4%	6,179	6,535	356	5.8%
92.6%	6,151	6,041	-111	-1.8%
93.8%	5,802	5,789	-14	-0.2%
95.1%	5,800	5,772	-28	-0.5%
96.3%	5,534	5,725	190	3.4%
97.5%	5,513	5,564	51	0.9%
98.8%	5,278	5,451	174	3.3%
100.0%	4,903	4,567	-337	-6.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,407	14,093	-314	-2.2%
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	13,304	-540	-3.9%
6.2%	13,706	13,304	-402	-2.9%
7.4%	13,649	13,184	-465	-3.4%
8.6%	13,542	13,053	-488	-3.6%
9.9%	13,124	12,880	-244	-1.9%
11.1%	12,940	12,846	-93	-0.7%
12.3%	12,912	12,840	-72	-0.6%
13.6%	12,782	12,814	32	0.2%
14.8%	12,759	12,755	-4	0.0%
16.0%	12,547	12,602	56	0.4%
17.3%	12,217	12,267	50	0.4%
18.5%	12,091	12,258	167	1.4%
19.8%	12,020	12,175	154	1.3%
21.0%	11,981	11,981	0	0.0%
22.2%	11,955	11,841	-114	-1.0%
23.5%	11,879	11,823	-56	-0.5%
24.7%	11,871	11,705	-166	-1.4%
25.9%	11,561	11,695	133	1.2%
27.2%	11,506	11,611	106	0.9%
28.4%	11,353	11,573	220	1.9%
29.6%	11,263	11,558	294	2.6%
30.9%	11,150	11,528	379	3.4%
32.1%	11,052	11,513	461	4.2%
33.3%	10,956	11,417	461	4.2%
34.6%	10,913	11,374	461	4.2%
35.8%	10,838	11,116	278	2.6%
37.0%	10,809	11,038	229	2.1%
38.3%	10,761	11,006	245	2.3%
39.5%	10,704	10,923	219	2.0%
40.7%	10,678	10,789	111	1.0%
42.0%	10,583	10,739	156	1.5%
43.2%	10,237	10,694	457	4.5%
44.4%	10,175	10,631	455	4.5%
45.7%	10,091	10,598	507	5.0%
46.9%	10,078	10,324	246	2.4%
48.1%	9,950	10,314	365	3.7%
49.4%	9,890	10,162	271	2.7%
50.6%	9,808	10,135	326	3.3%
51.9%	9,593	10,113	520	5.4%
53.1%	9,552	10,108	556	5.8%
54.3%	9,448	9,812	364	3.9%
55.6%	9,339	9,761	422	4.5%
56.8%	9,296	9,526	230	2.5%
58.0%	9,106	9,498	392	4.3%
59.3%	9,077	9,391	314	3.5%
60.5%	9,066	9,321	254	2.8%
61.7%	9,045	9,317	272	3.0%
63.0%	9,041	8,978	-63	-0.7%
64.2%	8,739	8,962	223	2.6%
65.4%	8,630	8,893	264	3.1%
66.7%	8,582	8,762	180	2.1%
67.9%	8,065	8,671	606	7.5%
69.1%	7,767	8,450	683	8.8%
70.4%	7,741	8,083	342	4.4%
71.6%	7,741	8,068	327	4.2%
72.8%	7,592	7,891	299	3.9%
74.1%	7,590	7,888	298	3.9%
75.3%	7,536	7,788	252	3.3%
76.5%	7,530	7,757	228	3.0%
77.8%	7,342	7,700	358	4.9%
79.0%	7,319	7,524	204	2.8%
80.2%	7,298	7,488	190	2.6%
81.5%	7,244	7,467	223	3.1%
82.7%	7,222	7,299	77	1.1%
84.0%	7,212	7,258	46	0.6%
85.2%	7,151	7,216	65	0.9%
86.4%	6,927	7,204	277	4.0%
87.7%	6,875	7,122	247	3.6%
88.9%	6,790	6,854	63	0.9%
90.1%	6,405	6,712	307	4.8%
91.4%	6,314	6,631	317	5.0%
92.6%	6,261	6,540	279	4.5%
93.8%	5,877	5,812	-65	-1.1%
95.1%	5,764	5,807	44	0.8%
96.3%	5,546	5,801	255	4.6%
97.5%	5,465	5,729	264	4.8%
98.8%	5,403	5,618	215	4.0%
100.0%	5,153	4,692	-461	-9.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	14,035	116	0.8%
3.7%	13,777	13,777	0	0.0%
4.9%	13,737	13,737	0	0.0%
6.2%	13,564	13,567	3	0.0%
7.4%	13,480	13,564	84	0.6%
8.6%	13,364	13,364	0	0.0%
9.9%	13,344	13,344	0	0.0%
11.1%	13,304	13,304	0	0.0%
12.3%	13,304	13,304	0	0.0%
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	13,168	-74	-0.6%
18.5%	13,142	13,134	-8	-0.1%
19.8%	13,134	13,081	-54	-0.4%
21.0%	13,035	13,062	28	0.2%
22.2%	13,003	13,025	23	0.2%
23.5%	12,701	12,884	183	1.4%
24.7%	12,630	12,234	-396	-3.1%
25.9%	12,371	12,131	-241	-1.9%
27.2%	12,027	12,122	95	0.8%
28.4%	12,002	12,027	25	0.2%
29.6%	11,941	11,954	12	0.1%
30.9%	11,873	11,892	19	0.2%
32.1%	11,757	11,870	113	1.0%
33.3%	11,717	11,814	97	0.8%
34.6%	11,653	11,809	157	1.3%
35.8%	11,592	11,669	77	0.7%
37.0%	11,455	11,666	210	1.8%
38.3%	11,430	11,610	179	1.6%
39.5%	11,341	11,596	254	2.2%
40.7%	11,221	11,517	296	2.6%
42.0%	11,186	11,347	161	1.4%
43.2%	11,041	11,265	224	2.0%
44.4%	11,009	11,263	254	2.3%
45.7%	10,985	11,214	229	2.1%
46.9%	10,984	11,178	195	1.8%
48.1%	10,859	11,158	298	2.7%
49.4%	10,510	11,076	566	5.4%
50.6%	10,506	10,913	407	3.9%
51.9%	10,438	10,655	217	2.1%
53.1%	10,234	10,568	334	3.3%
54.3%	10,050	10,463	413	4.1%
55.6%	10,042	10,394	352	3.5%
56.8%	10,028	10,370	342	3.4%
58.0%	9,942	10,233	291	2.9%
59.3%	9,564	10,080	516	5.4%
60.5%	9,503	10,062	559	5.9%
61.7%	9,485	9,874	389	4.1%
63.0%	9,135	9,610	475	5.2%
64.2%	9,101	9,592	491	5.4%
65.4%	8,999	9,446	447	5.0%
66.7%	8,923	9,441	518	5.8%
67.9%	8,640	9,435	795	9.2%
69.1%	8,529	9,419	890	10.4%
70.4%	8,479	9,132	653	7.7%
71.6%	8,421	8,722	301	3.6%
72.8%	8,357	8,508	151	1.8%
74.1%	8,132	8,501	368	4.5%
75.3%	8,018	8,367	349	4.4%
76.5%	7,929	7,997	67	0.9%
77.8%	7,825	7,934	109	1.4%
79.0%	7,813	7,929	116	1.5%
80.2%	7,571	7,921	350	4.6%
81.5%	7,531	7,886	355	4.7%
82.7%	7,495	7,858	363	4.8%
84.0%	7,392	7,783	391	5.3%
85.2%	7,385	7,628	243	3.3%
86.4%	7,294	7,600	306	4.2%
87.7%	7,243	7,552	309	4.3%
88.9%	7,236	7,476	240	3.3%
90.1%	7,212	7,321	109	1.5%
91.4%	6,927	7,303	376	5.4%
92.6%	6,487	7,213	726	11.2%
93.8%	6,383	6,725	343	5.4%
95.1%	6,365	6,404	38	0.6%
96.3%	6,247	6,384	137	2.2%
97.5%	5,873	6,104	231	3.9%
98.8%	5,655	6,103	448	7.9%
100.0%	5,475	5,732	257	4.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,314	14,314	0	0.0%
1.2%	13,821	13,821	0	0.0%
2.5%	13,811	13,811	0	0.0%
3.7%	13,801	13,757	-44	-0.3%
4.9%	13,757	13,751	-7	0.0%
6.2%	13,751	13,577	-173	-1.3%
7.4%	13,714	13,527	-188	-1.4%
8.6%	13,577	13,524	-53	-0.4%
9.9%	13,524	13,497	-27	-0.2%
11.1%	13,497	13,387	-110	-0.8%
12.3%	13,387	13,374	-13	-0.1%
13.6%	13,374	13,345	-29	-0.2%
14.8%	13,304	13,335	31	0.2%
16.0%	13,304	13,318	14	0.1%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,301	13,304	3	0.0%
27.2%	13,257	13,304	47	0.4%
28.4%	13,107	13,301	194	1.5%
29.6%	13,100	13,152	52	0.4%
30.9%	13,093	13,103	10	0.1%
32.1%	12,981	12,917	-64	-0.5%
33.3%	12,879	12,790	-89	-0.7%
34.6%	12,862	12,715	-147	-1.1%
35.8%	12,776	12,709	-67	-0.5%
37.0%	12,698	12,671	-27	-0.2%
38.3%	12,662	12,557	-105	-0.8%
39.5%	12,513	12,554	41	0.3%
40.7%	12,473	12,472	-1	0.0%
42.0%	12,353	12,413	59	0.5%
43.2%	12,332	12,380	48	0.4%
44.4%	11,990	12,202	212	1.8%
45.7%	11,900	12,105	206	1.7%
46.9%	11,841	12,052	211	1.8%
48.1%	11,779	12,006	227	1.9%
49.4%	11,554	11,940	386	3.3%
50.6%	11,527	11,788	261	2.3%
51.9%	11,287	11,782	496	4.4%
53.1%	11,197	11,689	492	4.4%
54.3%	11,006	11,643	637	5.8%
55.6%	10,912	11,493	581	5.3%
56.8%	10,699	11,418	719	6.7%
58.0%	10,425	11,321	895	8.6%
59.3%	10,422	10,942	521	5.0%
60.5%	10,388	10,853	465	4.5%
61.7%	10,226	10,763	537	5.2%
63.0%	10,083	10,729	646	6.4%
64.2%	9,755	10,627	872	8.9%
65.4%	9,692	10,570	878	9.1%
66.7%	9,627	9,989	361	3.8%
67.9%	9,622	9,919	296	3.1%
69.1%	9,598	9,741	143	1.5%
70.4%	9,578	9,681	103	1.1%
71.6%	9,494	9,680	187	2.0%
72.8%	9,459	9,637	178	1.9%
74.1%	9,446	9,578	132	1.4%
75.3%	9,401	9,557	156	1.7%
76.5%	9,106	9,502	396	4.4%
77.8%	9,065	9,420	355	3.9%
79.0%	8,998	9,239	241	2.7%
80.2%	8,685	9,167	482	5.6%
81.5%	8,683	8,951	268	3.1%
82.7%	8,612	8,807	195	2.3%
84.0%	8,521	8,802	281	3.3%
85.2%	8,486	8,499	13	0.2%
86.4%	7,977	8,496	518	6.5%
87.7%	7,968	8,268	301	3.8%
88.9%	7,964	8,203	239	3.0%
90.1%	7,932	8,047	115	1.4%
91.4%	7,756	7,669	-87	-1.1%
92.6%	7,659	7,628	-30	-0.4%
93.8%	7,406	7,574	168	2.3%
95.1%	6,850	7,426	575	8.4%
96.3%	6,593	7,194	601	9.1%
97.5%	6,592	7,133	540	8.2%
98.8%	6,536	7,059	523	8.0%
100.0%	6,342	6,906	564	8.9%

Table SW-20-9b

Lake Oroville, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,271	14,271	0	0.0%
1.2%	14,207	14,206	-1	0.0%
2.5%	14,201	14,201	0	0.0%
3.7%	14,041	14,041	0	0.0%
4.9%	14,001	14,001	0	0.0%
6.2%	13,997	13,967	-30	-0.2%
7.4%	13,967	13,963	-4	0.0%
8.6%	13,884	13,897	13	0.1%
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	13,836	75	0.5%
14.8%	13,660	13,761	101	0.7%
16.0%	13,644	13,644	0	0.0%
17.3%	13,624	13,637	13	0.1%
18.5%	13,531	13,632	101	0.7%
19.8%	13,495	13,624	129	1.0%
21.0%	13,474	13,622	148	1.1%
22.2%	13,451	13,531	80	0.6%
23.5%	13,411	13,474	63	0.5%
24.7%	13,387	13,451	63	0.5%
25.9%	13,364	13,394	30	0.2%
27.2%	13,335	13,387	53	0.4%
28.4%	13,304	13,364	60	0.5%
29.6%	13,304	13,304	0	0.0%
30.9%	13,304	13,304	0	0.0%
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	13,301	116	0.9%
48.1%	13,157	13,177	20	0.2%
49.4%	13,140	13,055	-84	-0.6%
50.6%	12,678	12,917	239	1.9%
51.9%	12,632	12,854	222	1.8%
53.1%	12,517	12,704	187	1.5%
54.3%	12,317	12,686	369	3.0%
55.6%	12,266	12,573	307	2.5%
56.8%	12,195	12,557	362	3.0%
58.0%	12,011	12,296	284	2.4%
59.3%	12,011	12,215	204	1.7%
60.5%	11,831	12,034	203	1.7%
61.7%	11,831	11,896	65	0.5%
63.0%	11,414	11,481	67	0.6%
64.2%	11,115	11,305	190	1.7%
65.4%	11,026	11,224	198	1.8%
66.7%	10,900	11,160	260	2.4%
67.9%	10,856	11,155	299	2.8%
69.1%	10,692	11,144	452	4.2%
70.4%	10,577	11,077	500	4.7%
71.6%	10,505	10,835	331	3.1%
72.8%	10,411	10,710	299	2.9%
74.1%	10,266	10,695	429	4.2%
75.3%	10,220	10,617	397	3.9%
76.5%	10,143	10,602	458	4.5%
77.8%	10,034	10,509	476	4.7%
79.0%	9,930	10,448	517	5.2%
80.2%	9,898	10,388	490	4.9%
81.5%	9,855	10,325	469	4.8%
82.7%	9,820	10,309	489	5.0%
84.0%	9,770	10,096	326	3.3%
85.2%	9,720	10,048	328	3.4%
86.4%	9,406	10,007	601	6.4%
87.7%	9,206	9,910	704	7.6%
88.9%	8,879	9,098	218	2.5%
90.1%	8,548	8,783	236	2.8%
91.4%	8,243	8,144	-99	-1.2%
92.6%	7,855	7,981	126	1.6%
93.8%	7,612	7,952	340	4.5%
95.1%	7,395	7,936	541	7.3%
96.3%	7,351	7,825	474	6.5%
97.5%	7,342	7,513	171	2.3%
98.8%	7,214	7,423	209	2.9%
100.0%	6,412	7,410	997	15.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	14,551	0	0.0%
3.7%	14,454	14,488	34	0.2%
4.9%	14,421	14,421	0	0.0%
6.2%	14,411	14,411	0	0.0%
7.4%	14,361	14,361	0	0.0%
8.6%	14,331	14,331	0	0.0%
9.9%	14,221	14,272	51	0.4%
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	14,085	14	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	13,891	43	0.3%
32.1%	13,824	13,857	33	0.2%
33.3%	13,821	13,847	27	0.2%
34.6%	13,801	13,824	23	0.2%
35.8%	13,797	13,821	23	0.2%
37.0%	13,767	13,801	33	0.2%
38.3%	13,751	13,797	47	0.3%
39.5%	13,737	13,767	30	0.2%
40.7%	13,707	13,751	43	0.3%
42.0%	13,544	13,737	194	1.4%
43.2%	13,501	13,611	111	0.8%
44.4%	13,454	13,501	47	0.3%
45.7%	13,401	13,454	53	0.4%
46.9%	13,401	13,401	0	0.0%
48.1%	13,390	13,401	10	0.1%
49.4%	13,359	13,398	40	0.3%
50.6%	13,334	13,387	53	0.4%
51.9%	13,304	13,371	67	0.5%
53.1%	13,304	13,353	48	0.4%
54.3%	13,304	13,334	30	0.2%
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	13,304	167	1.3%
63.0%	12,975	13,304	329	2.5%
64.2%	12,943	13,200	256	2.0%
65.4%	12,421	13,133	713	5.7%
66.7%	12,281	12,660	379	3.1%
67.9%	12,102	12,508	406	3.4%
69.1%	11,937	12,368	431	3.6%
70.4%	11,786	12,297	511	4.3%
71.6%	11,760	12,183	423	3.6%
72.8%	11,552	12,038	486	4.2%
74.1%	11,428	11,919	491	4.3%
75.3%	11,414	11,792	378	3.3%
76.5%	11,207	11,732	525	4.7%
77.8%	11,182	11,673	491	4.4%
79.0%	11,073	11,670	597	5.4%
80.2%	11,011	11,561	550	5.0%
81.5%	11,001	11,516	514	4.7%
82.7%	10,925	11,325	400	3.7%
84.0%	10,734	11,147	413	3.9%
85.2%	10,554	11,066	512	4.9%
86.4%	10,392	10,830	438	4.2%
87.7%	10,038	10,826	789	7.9%
88.9%	9,978	10,282	304	3.0%
90.1%	9,657	9,392	-265	-2.7%
91.4%	8,817	9,112	295	3.4%
92.6%	8,522	8,894	371	4.4%
93.8%	8,491	8,857	366	4.3%
95.1%	8,441	8,810	369	4.4%
96.3%	8,347	8,714	368	4.4%
97.5%	8,023	8,555	533	6.6%
98.8%	7,718	7,688	-30	-0.4%
100.0%	7,393	7,512	119	1.6%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,306	0	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	15,141	17	0.1%
19.8%	15,090	15,124	33	0.2%
21.0%	15,028	15,090	62	0.4%
22.2%	15,020	15,028	7	0.0%
23.5%	15,004	15,020	17	0.1%
24.7%	14,996	15,004	8	0.1%
25.9%	14,990	14,996	5	0.0%
27.2%	14,984	14,990	7	0.0%
28.4%	14,984	14,984	0	0.0%
29.6%	14,957	14,984	27	0.2%
30.9%	14,947	14,957	10	0.1%
32.1%	14,935	14,947	12	0.1%
33.3%	14,934	14,935	1	0.0%
34.6%	14,814	14,934	120	0.8%
35.8%	14,804	14,814	10	0.1%
37.0%	14,797	14,804	7	0.0%
38.3%	14,794	14,797	3	0.0%
39.5%	14,790	14,794	4	0.0%
40.7%	14,737	14,790	53	0.4%
42.0%	14,704	14,767	63	0.4%
43.2%	14,704	14,737	33	0.2%
44.4%	14,688	14,704	16	0.1%
45.7%	14,643	14,704	61	0.4%
46.9%	14,615	14,688	74	0.5%
48.1%	14,611	14,636	26	0.2%
49.4%	14,566	14,636	69	0.5%
50.6%	14,486	14,614	129	0.9%
51.9%	14,474	14,611	137	0.9%
53.1%	14,458	14,567	109	0.8%
54.3%	14,415	14,566	151	1.0%
55.6%	14,334	14,486	152	1.1%
56.8%	14,297	14,479	182	1.3%
58.0%	14,230	14,474	244	1.7%
59.3%	14,227	14,420	194	1.4%
60.5%	14,113	14,233	120	0.8%
61.7%	13,878	14,190	312	2.2%
63.0%	13,812	14,107	294	2.1%
64.2%	13,682	14,089	407	3.0%
65.4%	13,561	13,945	384	2.8%
66.7%	13,441	13,907	466	3.5%
67.9%	12,941	13,678	737	5.7%
69.1%	12,933	13,477	544	4.2%
70.4%	12,912	13,133	221	1.7%
71.6%	12,763	13,113	349	2.7%
72.8%	12,751	13,005	254	2.0%
74.1%	12,455	12,886	432	3.5%
75.3%	12,205	12,733	528	4.3%
76.5%	12,092	12,635	544	4.5%
77.8%	12,023	12,413	389	3.2%
79.0%	12,007	12,375	368	3.1%
80.2%	11,992	12,341	350	2.9%
81.5%	11,614	12,049	435	3.7%
82.7%	11,555	11,982	427	3.7%
84.0%	11,500	11,933	433	3.8%
85.2%	11,478	11,870	393	3.4%
86.4%	10,818	11,670	852	7.9%
87.7%	10,804	11,077	274	2.5%
88.9%	10,294	11,036	741	7.2%
90.1%	10,171	10,234	63	0.6%
91.4%	9,611	9,911	300	3.1%
92.6%	9,401	9,859	458	4.9%
93.8%	9,026	9,525	499	5.5%
95.1%	8,736	9,388	653	7.5%
96.3%	8,686	8,683	-3	0.0%
97.5%	8,156	8,632	476	5.8%
98.8%	8,011	7,982	-29	-0.4%
100.0%	6,932	7,086	154	2.2%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,804	0	0.0%
21.0%	15,804	15,804	0	0.0%
22.2%	15,804	15,804	0	0.0%
23.5%	15,804	15,804	0	0.0%
24.7%	15,804	15,804	0	0.0%
25.9%	15,804	15,804	0	0.0%
27.2%	15,804	15,804	0	0.0%
28.4%	15,804	15,804	0	0.0%
29.6%	15,804	15,804	0	0.0%
30.9%	15,804	15,804	0	0.0%
32.1%	15,804	15,804	0	0.0%
33.3%	15,804	15,804	0	0.0%
34.6%	15,798	15,797	-1	0.0%
35.8%	15,782	15,782	0	0.0%
37.0%	15,767	15,767	0	0.0%
38.3%	15,699	15,718	19	0.1%
39.5%	15,657	15,699	42	0.3%
40.7%	15,616	15,657	41	0.3%
42.0%	15,544	15,617	73	0.5%
43.2%	15,389	15,616	227	1.5%
44.4%	15,362	15,544	182	1.2%
45.7%	15,249	15,389	140	0.9%
46.9%	15,220	15,361	141	0.9%
48.1%	15,164	15,221	57	0.4%
49.4%	14,998	15,163	165	1.1%
50.6%	14,899	15,027	128	0.9%
51.9%	14,794	14,997	203	1.4%
53.1%	14,786	14,957	171	1.2%
54.3%	14,700	14,912	211	1.4%
55.6%	14,693	14,898	205	1.4%
56.8%	14,643	14,786	143	1.0%
58.0%	14,598	14,695	97	0.7%
59.3%	14,454	14,686	232	1.6%
60.5%	14,379	14,590	212	1.5%
61.7%	13,910	14,356	446	3.2%
63.0%	13,821	14,250	430	3.1%
64.2%	13,799	14,112	313	2.3%
65.4%	13,647	14,091	445	3.3%
66.7%	13,624	14,081	457	3.4%
67.9%	13,569	13,851	283	2.1%
69.1%	13,537	13,799	262	1.9%
70.4%	13,458	13,712	254	1.9%
71.6%	13,408	13,672	264	2.0%
72.8%	13,302	13,606	305	2.3%
74.1%	13,115	13,394	278	2.1%
75.3%	12,928	13,381	453	3.5%
76.5%	12,672	13,357	685	5.4%
77.8%	12,625	12,848	223	1.8%
79.0%	12,345	12,738	393	3.2%
80.2%	12,223	12,531	308	2.5%
81.5%	12,117	12,308	191	1.6%
82.7%	11,904	12,291	387	3.2%
84.0%	11,830	11,936	106	0.9%
85.2%	10,924	11,884	960	8.8%
86.4%	10,669	11,856	1,187	11.1%
87.7%	10,526	11,176	651	6.2%
88.9%	10,414	10,860	446	4.3%
90.1%	10,372	10,839	466	4.5%
91.4%	10,134	10,353	219	2.2%
92.6%	9,467	9,900	433	4.6%
93.8%	9,238	9,519	282	3.1%
95.1%	8,738	8,977	239	2.7%
96.3%	8,488	8,459	-28	-0.3%
97.5%	8,256	8,447	191	2.3%
98.8%	7,798	8,227	429	5.5%
100.0%	6,689	6,844	155	2.3%

Table SW-20-9b
Lake Oroville, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,794	-9	-0.1%
21.0%	15,804	15,758	-46	-0.3%
22.2%	15,804	15,755	-49	-0.3%
23.5%	15,804	15,749	-54	-0.3%
24.7%	15,804	15,745	-59	-0.4%
25.9%	15,804	15,742	-61	-0.4%
27.2%	15,804	15,739	-65	-0.4%
28.4%	15,804	15,733	-71	-0.4%
29.6%	15,804	15,708	-96	-0.6%
30.9%	15,804	15,707	-96	-0.6%
32.1%	15,660	15,653	-7	0.0%
33.3%	15,629	15,426	-203	-1.3%
34.6%	15,568	15,356	-212	-1.4%
35.8%	15,425	15,353	-72	-0.5%
37.0%	15,417	15,337	-80	-0.5%
38.3%	15,175	15,280	105	0.7%
39.5%	15,028	15,272	244	1.6%
40.7%	14,942	15,034	92	0.6%
42.0%	14,877	15,004	127	0.9%
43.2%	14,871	14,973	101	0.7%
44.4%	14,716	14,961	245	1.7%
45.7%	14,709	14,836	127	0.9%
46.9%	14,654	14,823	169	1.2%
48.1%	14,566	14,771	205	1.4%
49.4%	14,374	14,646	272	1.9%
50.6%	14,353	14,472	119	0.8%
51.9%	14,348	14,445	97	0.7%
53.1%	14,285	14,374	89	0.6%
54.3%	14,190	14,326	136	1.0%
55.6%	14,112	14,286	174	1.2%
56.8%	13,982	14,181	200	1.4%
58.0%	13,840	14,081	242	1.7%
59.3%	13,758	14,019	261	1.9%
60.5%	13,632	13,933	302	2.2%
61.7%	13,621	13,756	135	1.0%
63.0%	13,580	13,622	42	0.3%
64.2%	13,501	13,526	24	0.2%
65.4%	13,432	13,498	65	0.5%
66.7%	13,021	13,454	433	3.3%
67.9%	12,966	13,165	199	1.5%
69.1%	12,947	13,062	114	0.9%
70.4%	12,795	13,032	236	1.8%
71.6%	12,661	13,028	367	2.9%
72.8%	12,604	12,979	374	3.0%
74.1%	12,489	12,802	312	2.5%
75.3%	12,268	12,775	508	4.1%
76.5%	11,888	12,648	760	6.4%
77.8%	11,714	12,465	751	6.4%
79.0%	11,654	12,242	588	5.0%
80.2%	11,634	12,051	417	3.6%
81.5%	11,549	12,045	497	4.3%
82.7%	11,101	11,491	390	3.5%
84.0%	11,065	11,434	370	3.3%
85.2%	10,606	11,294	688	6.5%
86.4%	9,924	11,239	1,315	13.3%
87.7%	9,723	10,694	972	10.0%
88.9%	9,701	10,256	555	5.7%
90.1%	9,466	10,028	562	5.9%
91.4%	9,309	9,782	474	5.1%
92.6%	8,802	9,544	742	8.4%
93.8%	8,526	9,000	473	5.6%
95.1%	8,110	8,282	173	2.1%
96.3%	7,840	8,167	327	4.2%
97.5%	7,201	7,902	700	9.7%
98.8%	6,982	7,733	751	10.8%
100.0%	5,696	5,866	170	3.0%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	15,542	-262	-1.7%
6.2%	15,502	15,402	-100	-0.6%
7.4%	15,294	15,174	-120	-0.8%
8.6%	15,257	15,099	-158	-1.0%
9.9%	15,091	14,924	-167	-1.1%
11.1%	14,744	14,848	104	0.7%
12.3%	14,668	14,627	-41	-0.3%
13.6%	14,578	14,580	3	0.0%
14.8%	14,445	14,512	68	0.5%
16.0%	14,394	14,344	-50	-0.3%
17.3%	14,326	14,332	6	0.0%
18.5%	14,209	14,110	-99	-0.7%
19.8%	14,114	14,105	-9	-0.1%
21.0%	14,099	14,089	-10	-0.1%
22.2%	14,082	13,983	-99	-0.7%
23.5%	14,041	13,980	-62	-0.4%
24.7%	14,006	13,948	-58	-0.4%
25.9%	13,986	13,918	-68	-0.5%
27.2%	13,932	13,887	-44	-0.3%
28.4%	13,922	13,872	-50	-0.4%
29.6%	13,863	13,770	-93	-0.7%
30.9%	13,824	13,754	-70	-0.5%
32.1%	13,670	13,649	-21	-0.2%
33.3%	13,654	13,616	-38	-0.3%
34.6%	13,541	13,380	-162	-1.2%
35.8%	13,425	13,372	-53	-0.4%
37.0%	13,379	13,372	-7	0.0%
38.3%	13,184	13,345	162	1.2%
39.5%	12,943	13,339	396	3.1%
40.7%	12,887	13,208	320	2.5%
42.0%	12,829	13,104	274	2.1%
43.2%	12,823	13,087	264	2.1%
44.4%	12,799	12,942	143	1.1%
45.7%	12,794	12,918	124	1.0%
46.9%	12,751	12,781	30	0.2%
48.1%	12,522	12,778	255	2.0%
49.4%	12,474	12,676	202	1.6%
50.6%	12,461	12,619	158	1.3%
51.9%	12,422	12,553	131	1.1%
53.1%	12,225	12,512	286	2.3%
54.3%	12,202	12,386	184	1.5%
55.6%	12,051	12,283	232	1.9%
56.8%	11,986	12,203	217	1.8%
58.0%	11,706	12,018	312	2.7%
59.3%	11,683	11,893	210	1.8%
60.5%	11,659	11,874	215	1.8%
61.7%	11,648	11,760	113	1.0%
63.0%	11,562	11,602	39	0.3%
64.2%	11,432	11,601	169	1.5%
65.4%	11,251	11,516	265	2.4%
66.7%	10,821	11,205	384	3.5%
67.9%	10,813	11,095	282	2.6%
69.1%	10,812	11,034	221	2.0%
70.4%	10,788	11,030	241	2.2%
71.6%	10,760	11,024	264	2.4%
72.8%	10,673	10,965	292	2.7%
74.1%	10,387	10,911	524	5.0%
75.3%	10,097	10,908	811	8.0%
76.5%	9,708	10,750	1,042	10.7%
77.8%	9,689	10,556	866	8.9%
79.0%	9,478	10,153	674	7.1%
80.2%	9,364	10,094	731	7.8%
81.5%	9,335	9,973	637	6.8%
82.7%	8,937	9,868	931	10.4%
84.0%	8,826	9,856	1,031	11.7%
85.2%	8,822	9,489	667	7.6%
86.4%	7,791	9,380	1,589	20.4%
87.7%	7,388	8,370	982	13.3%
88.9%	7,378	8,176	798	10.8%
90.1%	7,249	7,923	673	9.3%
91.4%	7,190	7,888	698	9.7%
92.6%	6,563	7,497	934	14.2%
93.8%	6,438	7,254	816	12.7%
95.1%	6,401	6,390	-12	-0.2%
96.3%	6,391	6,326	-65	-1.0%
97.5%	6,376	6,296	-80	-1.3%
98.8%	6,049	6,216	167	2.8%
100.0%	5,406	4,584	-823	-15.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,530	-273	-1.7%
1.2%	15,804	15,505	-299	-1.9%
2.5%	15,763	15,470	-293	-1.9%
3.7%	15,632	15,307	-325	-2.1%
4.9%	15,574	15,018	-556	-3.6%
6.2%	15,086	14,897	-189	-1.3%
7.4%	15,059	14,723	-336	-2.2%
8.6%	14,956	14,706	-250	-1.7%
9.9%	14,715	14,643	-72	-0.5%
11.1%	14,692	14,490	-202	-1.4%
12.3%	14,024	14,024	-1	0.0%
13.6%	13,981	13,848	-133	-1.0%
14.8%	13,970	13,685	-284	-2.0%
16.0%	13,784	13,643	-141	-1.0%
17.3%	13,717	13,635	-82	-0.6%
18.5%	13,467	13,603	136	1.0%
19.8%	13,381	13,527	147	1.1%
21.0%	13,322	13,293	-29	-0.2%
22.2%	13,056	13,288	232	1.8%
23.5%	13,046	13,281	235	1.8%
24.7%	12,927	13,232	305	2.4%
25.9%	12,752	12,956	204	1.6%
27.2%	12,734	12,896	161	1.3%
28.4%	12,515	12,769	254	2.0%
29.6%	12,515	12,593	78	0.6%
30.9%	12,472	12,550	77	0.6%
32.1%	12,398	12,549	151	1.2%
33.3%	12,316	12,514	198	1.6%
34.6%	12,141	12,513	372	3.1%
35.8%	12,058	12,369	310	2.6%
37.0%	11,873	12,150	277	2.3%
38.3%	11,811	12,062	251	2.1%
39.5%	11,579	12,036	457	3.9%
40.7%	11,563	11,955	392	3.4%
42.0%	11,530	11,853	323	2.8%
43.2%	11,462	11,805	343	3.0%
44.4%	11,460	11,765	305	2.7%
45.7%	11,380	11,728	348	3.1%
46.9%	11,352	11,709	357	3.1%
48.1%	11,252	11,577	325	2.9%
49.4%	11,177	11,534	357	3.2%
50.6%	10,974	11,331	356	3.2%
51.9%	10,825	11,278	453	4.2%
53.1%	10,792	11,107	315	2.9%
54.3%	10,648	10,761	113	1.1%
55.6%	10,620	10,672	52	0.5%
56.8%	10,493	10,661	168	1.6%
58.0%	10,343	10,516	173	1.7%
59.3%	10,083	10,360	278	2.8%
60.5%	10,032	10,209	177	1.8%
61.7%	9,986	10,022	36	0.4%
63.0%	9,887	9,876	-11	-0.1%
64.2%	9,691	9,834	143	1.5%
65.4%	9,570	9,824	254	2.7%
66.7%	9,519	9,809	290	3.0%
67.9%	9,325	9,801	476	5.1%
69.1%	9,250	9,441	191	2.1%
70.4%	9,107	9,268	161	1.8%
71.6%	9,039	9,190	151	1.7%
72.8%	8,649	9,161	513	5.9%
74.1%	8,491	9,141	650	7.7%
75.3%	8,436	9,093	657	7.8%
76.5%	8,267	9,057	790	9.6%
77.8%	7,999	8,526	527	6.6%
79.0%	7,745	8,379	634	8.2%
80.2%	7,745	8,353	608	7.9%
81.5%	7,515	8,165	650	8.7%
82.7%	7,169	8,108	939	13.1%
84.0%	7,057	8,004	947	13.4%
85.2%	6,958	7,963	1,005	14.4%
86.4%	6,904	7,127	223	3.2%
87.7%	6,891	7,098	208	3.0%
88.9%	6,838	7,052	214	3.1%
90.1%	6,603	6,995	392	5.9%
91.4%	6,287	6,467	179	2.8%
92.6%	6,255	6,058	-197	-3.1%
93.8%	6,064	6,007	-57	-0.9%
95.1%	5,937	6,002	66	1.1%
96.3%	5,934	5,898	-36	-0.6%
97.5%	5,873	5,885	11	0.2%
98.8%	5,750	5,680	-70	-1.2%
100.0%	5,404	4,584	-820	-15.2%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,180	15,180	0	0.0%
1.2%	15,180	15,180	0	0.0%
2.5%	14,799	14,486	-313	-2.1%
3.7%	14,399	13,692	-707	-4.9%
4.9%	14,214	13,537	-677	-4.8%
6.2%	14,057	13,253	-804	-5.7%
7.4%	13,744	13,089	-655	-4.8%
8.6%	13,521	12,963	-558	-4.1%
9.9%	13,297	12,878	-419	-3.1%
11.1%	12,976	12,752	-224	-1.7%
12.3%	12,805	12,460	-345	-2.7%
13.6%	12,245	12,288	43	0.4%
14.8%	12,115	12,242	127	1.1%
16.0%	12,114	12,087	-27	-0.2%
17.3%	12,111	11,998	-113	-0.9%
18.5%	11,992	11,891	-101	-0.8%
19.8%	11,798	11,869	71	0.6%
21.0%	11,720	11,829	110	0.9%
22.2%	11,554	11,809	255	2.2%
23.5%	11,490	11,791	301	2.6%
24.7%	11,451	11,716	265	2.3%
25.9%	11,233	11,514	281	2.5%
27.2%	11,198	11,443	245	2.2%
28.4%	11,163	11,409	246	2.2%
29.6%	11,158	11,402	245	2.2%
30.9%	11,102	11,265	163	1.5%
32.1%	10,942	11,146	203	1.9%
33.3%	10,873	11,114	240	2.2%
34.6%	10,806	11,106	300	2.8%
35.8%	10,645	11,047	402	3.8%
37.0%	10,472	10,979	507	4.8%
38.3%	10,470	10,801	331	3.2%
39.5%	10,429	10,727	298	2.9%
40.7%	10,366	10,680	314	3.0%
42.0%	10,303	10,634	331	3.2%
43.2%	10,285	10,555	271	2.6%
44.4%	10,134	10,515	381	3.8%
45.7%	10,131	10,417	285	2.8%
46.9%	10,032	10,380	348	3.5%
48.1%	9,926	10,298	372	3.8%
49.4%	9,913	10,192	278	2.8%
50.6%	9,867	10,137	271	2.7%
51.9%	9,803	10,070	267	2.7%
53.1%	9,778	10,010	232	2.4%
54.3%	9,699	9,943	244	2.5%
55.6%	9,617	9,891	274	2.9%
56.8%	9,472	9,627	155	1.6%
58.0%	9,377	9,564	187	2.0%
59.3%	9,186	9,494	308	3.4%
60.5%	9,044	9,386	342	3.8%
61.7%	9,021	9,338	317	3.5%
63.0%	8,992	9,129	138	1.5%
64.2%	8,847	9,087	240	2.7%
65.4%	8,830	8,966	136	1.5%
66.7%	8,816	8,746	-70	-0.8%
67.9%	8,705	8,688	-17	-0.2%
69.1%	8,703	8,558	-144	-1.7%
70.4%	8,370	8,534	164	2.0%
71.6%	8,130	8,492	363	4.5%
72.8%	8,028	8,439	411	5.1%
74.1%	8,001	8,409	408	5.1%
75.3%	7,865	8,283	418	5.3%
76.5%	7,598	8,152	554	7.3%
77.8%	7,441	7,889	448	6.0%
79.0%	7,283	7,629	345	4.7%
80.2%	7,192	7,606	414	5.8%
81.5%	7,084	7,502	418	5.9%
82.7%	7,051	7,486	435	6.2%
84.0%	6,921	7,136	214	3.1%
85.2%	6,812	7,037	225	3.3%
86.4%	6,671	6,998	327	4.9%
87.7%	6,619	6,901	282	4.3%
88.9%	6,577	6,685	108	1.6%
90.1%	6,281	6,653	372	5.9%
91.4%	6,157	6,539	382	6.2%
92.6%	6,152	5,916	-236	-3.8%
93.8%	5,937	5,871	-66	-1.1%
95.1%	5,860	5,864	3	0.1%
96.3%	5,621	5,791	170	3.0%
97.5%	5,443	5,788	345	6.3%
98.8%	5,289	5,229	-60	-1.1%
100.0%	5,129	4,626	-503	-9.8%

Table SW-21-9a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	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 Types[2]												
Wet (32%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	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 D	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 D	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 D	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 D	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

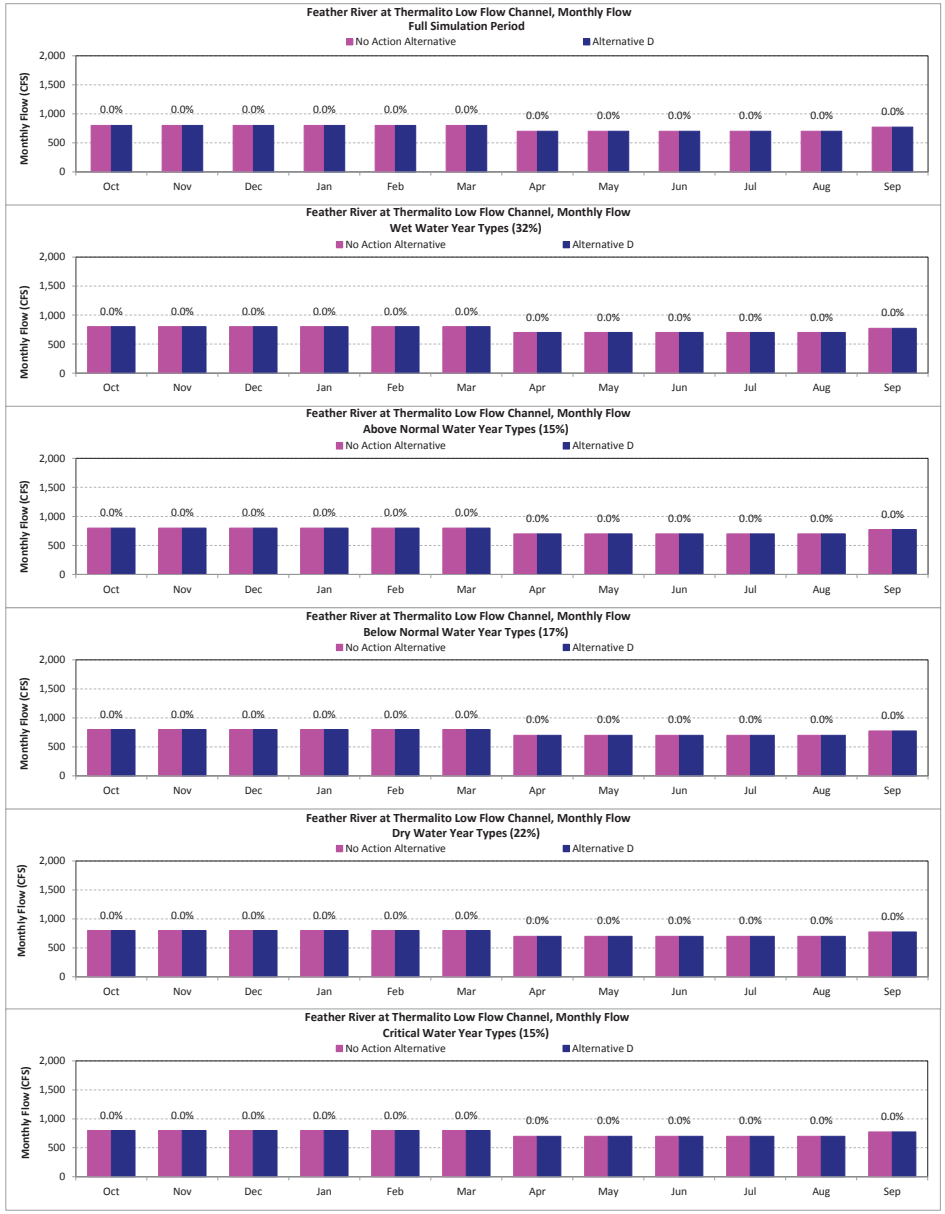

Figure SW-21-9b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

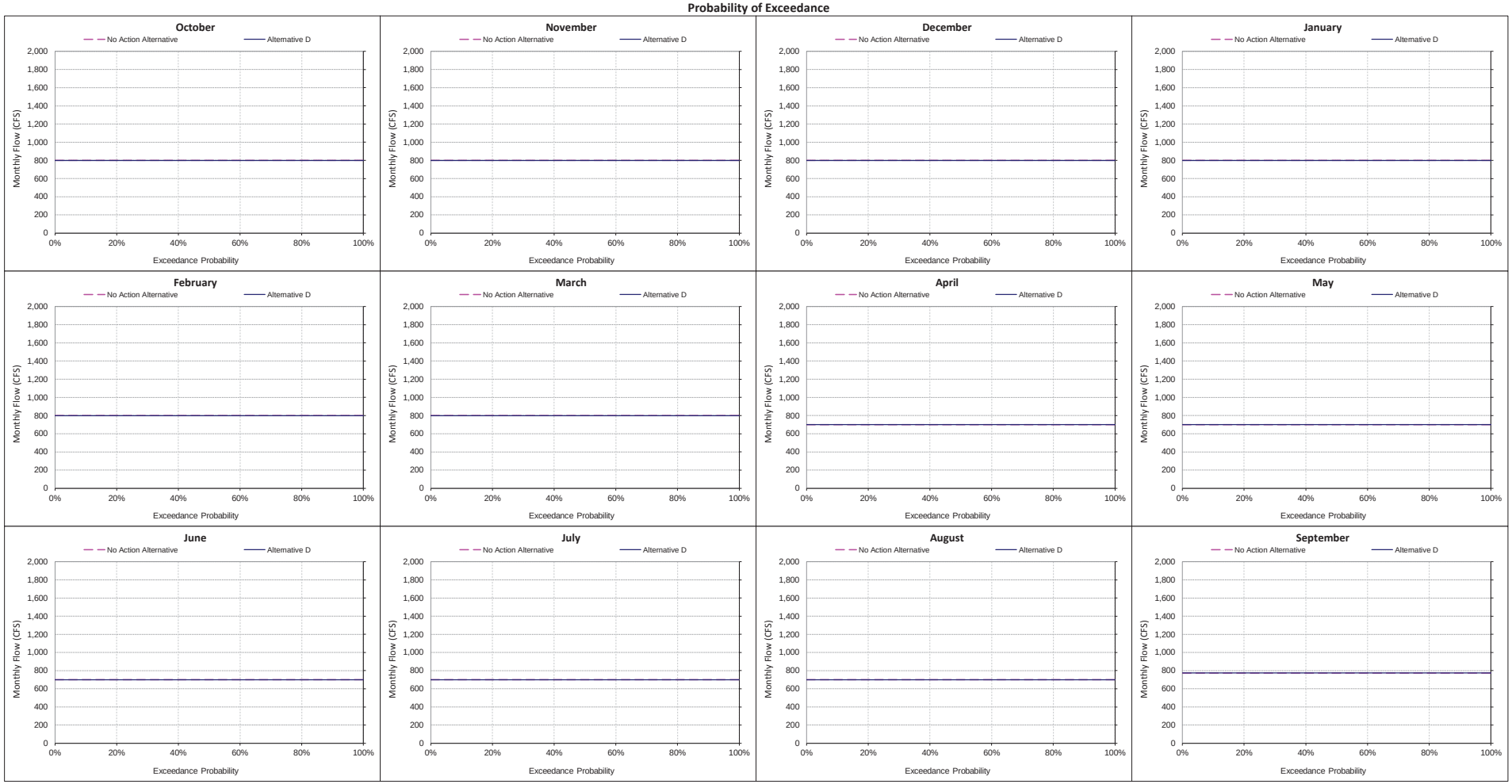

Table SW-21-9b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	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%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
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%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	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%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
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%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	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%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
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%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	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%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
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%

Table SW-21-9b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	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%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
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%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	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%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-9b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Table SW-22-9a
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 Period[1]												
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 D	2,680	2,220	3,263	4,695	5,560	5,975	3,039	3,638	3,709	7,668	5,142	5,063
Difference	-134	-10	-190	34	62	33	-40	-2	-74	-55	149	232
Percent Difference[3]	-4.8%	-0.4%	-5.5%	0.7%	1.1%	0.6%	-1.3%	-0.1%	-1.9%	-0.7%	3.0%	4.8%
Water Year Types[2]												
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 D	3,676	3,293	4,821	10,831	11,683	12,478	6,526	7,539	5,242	6,807	3,953	8,816
Difference	-158	-90	-463	211	167	91	15	0	93	62	33	380
Percent Difference	-4.1%	-2.7%	-8.8%	2.0%	1.5%	0.7%	0.2%	0.0%	1.8%	0.9%	0.8%	4.5%
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 D	3,500	2,410	2,779	3,662	5,317	7,062	2,257	3,509	3,752	9,095	5,984	7,383
Difference	-92	87	-610	202	-109	34	0	277	355	-24	-421	343
Percent Difference	-2.6%	3.7%	-18.0%	5.8%	-2.0%	0.5%	0.0%	8.6%	10.5%	-0.3%	-6.6%	4.9%
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 D	2,338	2,015	3,267	1,458	3,055	2,550	1,119	1,141	3,076	8,969	6,040	2,377
Difference	-195	122	652	-253	256	213	0	-18	227	-93	-401	-279
Percent Difference	-7.7%	6.5%	24.9%	-14.8%	9.1%	9.1%	0.0%	-1.5%	8.0%	-1.0%	-6.2%	-10.5%
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 D	1,916	1,472	2,438	1,396	1,595	1,465	1,261	1,460	2,968	7,848	6,565	2,428
Difference	-116	-44	-294	-57	-40	-219	-68	-145	-474	-408	495	426
Percent Difference	-5.7%	-2.9%	-10.8%	-3.9%	-2.5%	-13.0%	-5.1%	-9.0%	-13.8%	-4.9%	8.1%	21.3%
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 D	1,250	1,065	1,601	1,158	1,409	1,556	1,170	1,493	2,194	6,322	3,691	1,699
Difference	-80	-37	-6	-48	-67	76	-205	-52	-613	239	1,096	107
Percent Difference	-6.0%	-3.3%	-0.4%	-4.0%	-4.6%	5.2%	-14.9%	-3.4%	-21.9%	3.9%	42.2%	6.7%

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

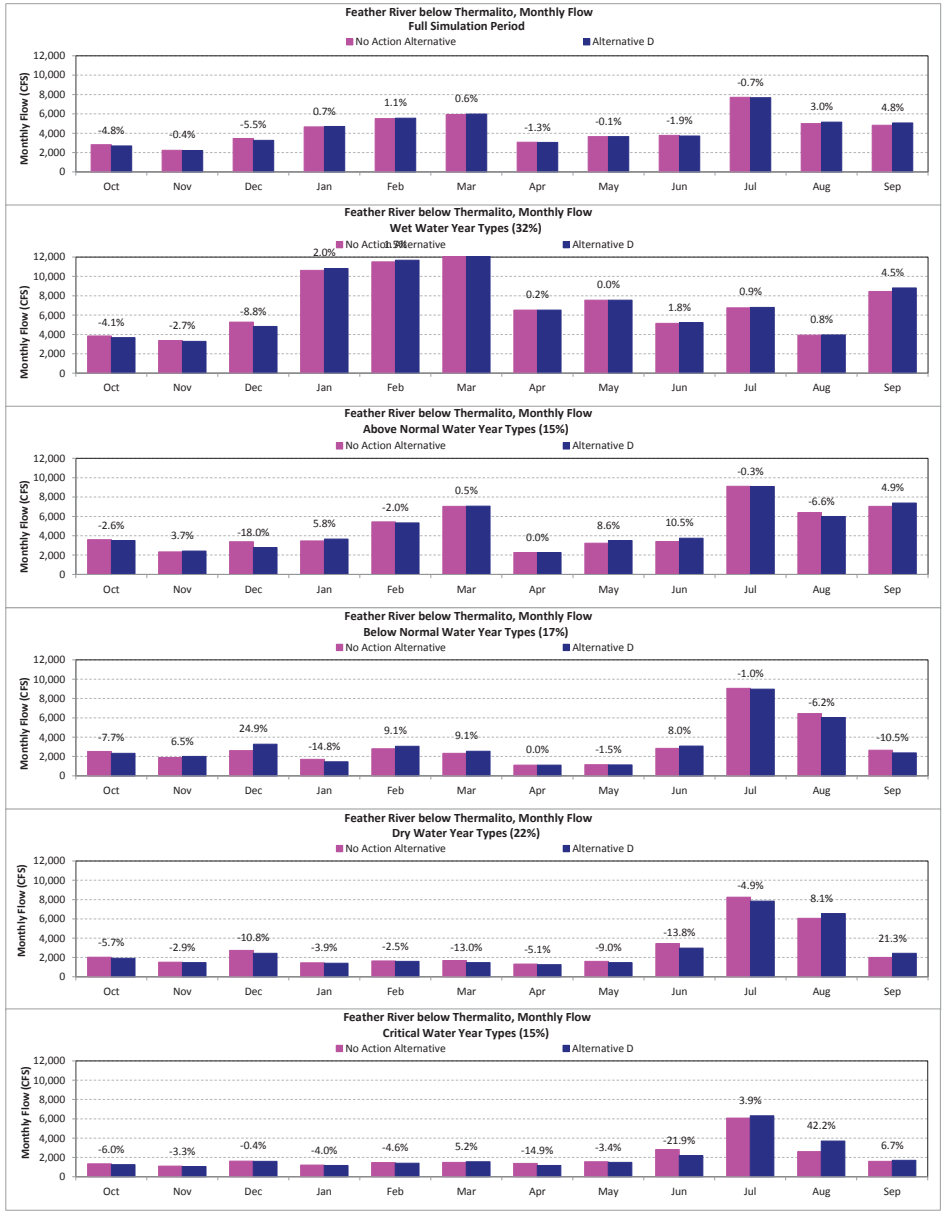

Figure SW-22-9b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

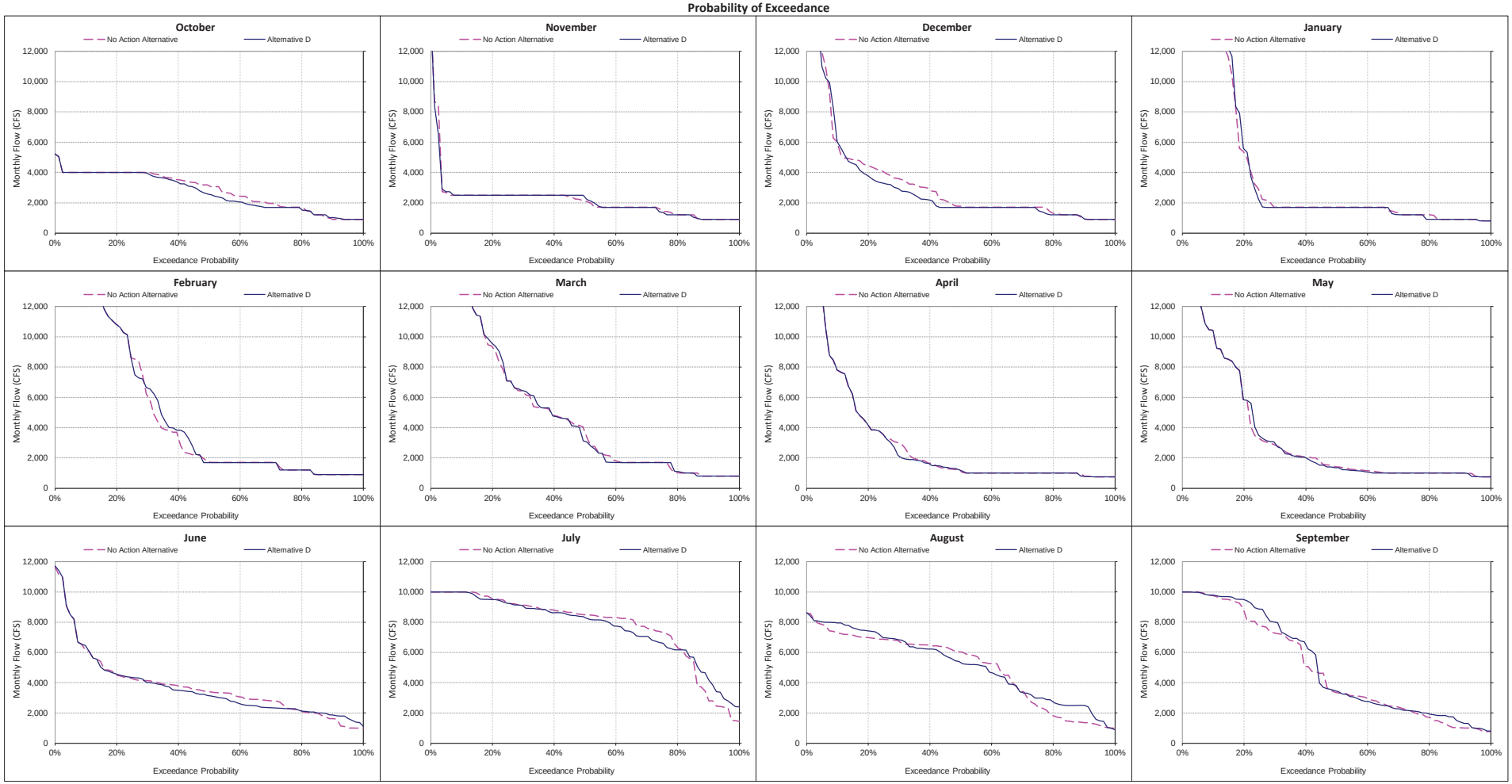

Table SW-22-9b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,232	5,226	-6	-0.1%
1.2%	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	4,000	0	0.0%
27.2%	4,000	4,000	0	0.0%
28.4%	4,000	4,000	0	0.0%
29.6%	4,000	3,968	-32	-0.8%
30.9%	4,000	3,848	-152	-3.8%
32.1%	3,896	3,738	-158	-4.1%
33.3%	3,872	3,694	-178	-4.6%
34.6%	3,789	3,656	-132	-3.5%
35.8%	3,662	3,615	-47	-1.3%
37.0%	3,659	3,536	-123	-3.4%
38.3%	3,618	3,489	-129	-3.6%
39.5%	3,529	3,384	-145	-4.1%
40.7%	3,502	3,253	-249	-7.1%
42.0%	3,448	3,247	-200	-5.8%
43.2%	3,384	3,102	-283	-8.4%
44.4%	3,345	3,064	-281	-8.4%
45.7%	3,340	2,966	-373	-11.2%
46.9%	3,183	2,781	-402	-12.6%
48.1%	3,181	2,656	-524	-16.5%
49.4%	3,175	2,583	-592	-18.6%
50.6%	3,072	2,525	-546	-17.8%
51.9%	3,064	2,424	-640	-20.9%
53.1%	3,063	2,380	-683	-22.3%
54.3%	2,682	2,318	-364	-13.6%
55.6%	2,661	2,140	-521	-19.6%
56.8%	2,629	2,110	-519	-19.7%
58.0%	2,487	2,103	-383	-15.4%
59.3%	2,444	2,061	-383	-15.7%
60.5%	2,432	2,049	-382	-15.7%
61.7%	2,425	1,952	-474	-19.5%
63.0%	2,226	1,884	-342	-15.4%
64.2%	2,081	1,844	-238	-11.4%
65.4%	2,078	1,800	-278	-13.4%
66.7%	2,054	1,758	-296	-14.4%
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	1,700	0	0.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,505	-195	-11.5%
81.5%	1,475	1,487	13	0.9%
82.7%	1,456	1,446	-10	-0.7%
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%	1,021	1,200	179	17.6%
88.9%	994	1,020	26	2.6%
90.1%	900	1,016	116	12.9%
91.4%	900	981	81	9.0%
92.6%	900	948	48	5.4%
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%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,550	14,550	0	0.0%
1.2%	8,691	8,422	-268	-3.1%
2.5%	8,427	6,528	-1,898	-22.5%
3.7%	2,730	2,905	175	6.4%
4.9%	2,674	2,735	61	2.3%
6.2%	2,500	2,726	226	9.1%
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	2,500	264	11.8%
49.4%	2,151	2,500	349	16.3%
50.6%	2,085	2,211	126	6.0%
51.9%	1,977	2,116	139	7.1%
53.1%	1,700	1,985	285	16.7%
54.3%	1,700	1,778	78	4.6%
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	1,404	-207	-12.9%
75.3%	1,424	1,359	-65	-4.5%
76.5%	1,418	1,200	-218	-15.4%
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	1,037	-163	-13.6%
86.4%	957	976	19	1.9%
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%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,329	24,329	0	0.0%
1.2%	15,421	15,484	63	0.4%
2.5%	14,106	14,787	681	4.8%
3.7%	12,871	14,007	1,136	8.8%
4.9%	11,981	10,984	-997	-8.3%
6.2%	10,984	10,239	-744	-6.8%
7.4%	9,375	9,935	560	6.0%
8.6%	6,278	8,226	1,948	31.0%
9.9%	6,026	6,024	-1	0.0%
11.1%	5,200	5,619	418	8.0%
12.3%	4,959	5,138	179	3.6%
13.6%	4,921	4,722	-199	-4.0%
14.8%	4,857	4,601	-256	-5.3%
16.0%	4,839	4,506	-333	-6.9%
17.3%	4,768	4,142	-626	-13.1%
18.5%	4,540	3,942	-598	-13.2%
19.8%	4,496	3,808	-689	-15.3%
21.0%	4,372	3,598	-774	-17.7%
22.2%	4,266	3,460	-807	-18.9%
23.5%	4,145	3,350	-795	-19.2%
24.7%	4,094	3,305	-789	-19.3%
25.9%	3,918	3,234	-685	-17.5%
27.2%	3,807	3,204	-603	-15.8%
28.4%	3,631	3,009	-622	-17.1%
29.6%	3,595	2,942	-653	-18.2%
30.9%	3,537	2,771	-766	-21.7%
32.1%	3,421	2,753	-668	-19.5%
33.3%	3,238	2,704	-534	-16.5%
34.6%	3,234	2,561	-672	-20.8%
35.8%	3,144	2,405	-738	-23.5%
37.0%	3,037	2,249	-788	-25.9%
38.3%	3,010	2,226	-783	-26.0%
39.5%	2,971	2,195	-777	-26.1%
40.7%	2,760	2,133	-627	-22.7%
42.0%	2,752	1,791	-961	-34.9%
43.2%	2,230	1,700	-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%	1,767	1,700	-67	-3.8%
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	1,699	-1	-0.1%
75.3%	1,700	1,464	-236	-13.9%
76.5%	1,700	1,386	-314	-18.5%
77.8%	1,629	1,272	-357	-21.9%
79.0%	1,387	1,200	-187	-13.5%
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	1,117	63	6.0%
90.1%	919	917	-2	-0.2%
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%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,947	40,945	-2	0.0%
1.2%	35,873	35,870	-2	0.0%
2.5%	21,020	21,017	-3	0.0%
3.7%	20,580	20,580	-1	0.0%
4.9%	19,178	19,174	-4	0.0%
6.2%	19,034	19,171	137	0.7%
7.4%	15,060	14,551	-509	-3.4%
8.6%	14,373	14,435	62	0.4%
9.9%	13,890	14,369	479	3.4%
11.1%	13,790	13,891	101	0.7%
12.3%	12,688	13,835	1,147	9.0%
13.6%	12,234	12,688	455	3.7%
14.8%	11,687	12,231	544	4.7%
16.0%	10,488	11,684	1,196	11.4%
17.3%	8,342	8,340	-2	0.0%
18.5%	5,602	7,909	2,307	41.2%
19.8%	5,395	5,602	206	3.8%
21.0%	4,934	5,324	390	7.9%
22.2%	4,032	3,697	-335	-8.3%
23.5%	3,244	2,917	-327	-10.1%
24.7%	2,920	2,226	-694	-23.8%
25.9%	2,230	1,725	-505	-22.6%
27.2%	2,174	1,700	-474	-21.8%
28.4%	2,021	1,700	-321	-15.9%
29.6%	1,700	1,700	0	0.0%
30.9%	1,700	1,700	0	0.0%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
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%	1,453	1,700	247	17.0%
67.9%	1,453	1,291	-162	-11.2%
69.1%	1,367	1,228	-139	-10.2%
70.4%	1,304	1,200	-104	-8.0%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
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	900	-300	-25.0%
80.2%	1,200	900	-300	-25.0%
81.5%	1,166	900	-266	-22.8%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
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%	853	801	-51	-6.0%
97.5%	801	801	0	0.0%
98.8%	801	801	0	0.0%
100.0%	800	800	0	0.0%

Table SW-22-9b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,724	21,724	0	0.0%
1.2%	21,202	21,264	61	0.3%
2.5%	21,176	21,201	24	0.1%
3.7%	20,085	18,341	-1,744	-8.7%
4.9%	18,146	18,146	0	0.0%
6.2%	17,987	17,986	-1	0.0%
7.4%	17,640	17,636	-4	0.0%
8.6%	16,581	16,582	1	0.0%
9.9%	16,407	16,406	-1	0.0%
11.1%	15,888	15,542	-346	-2.2%
12.3%	15,395	15,486	91	0.6%
13.6%	14,529	14,532	3	0.0%
14.8%	12,477	12,475	-2	0.0%
16.0%	11,789	11,786	-2	0.0%
17.3%	11,343	11,345	1	0.0%
18.5%	11,085	11,099	14	0.1%
19.8%	10,847	10,847	0	0.0%
21.0%	10,663	10,661	-2	0.0%
22.2%	10,291	10,288	-2	0.0%
23.5%	10,131	10,132	0	0.0%
24.7%	8,601	8,601	0	0.0%
25.9%	8,525	7,496	-1,029	-12.1%
27.2%	8,379	7,284	-1,095	-13.1%
28.4%	7,497	7,228	-268	-3.6%
29.6%	6,228	6,645	417	6.7%
30.9%	5,796	6,554	758	13.1%
32.1%	4,869	6,235	1,367	28.1%
33.3%	4,403	5,795	1,392	31.6%
34.6%	3,993	4,865	872	21.9%
35.8%	3,865	4,401	536	13.9%
37.0%	3,835	4,009	175	4.6%
38.3%	3,709	3,992	283	7.6%
39.5%	3,696	3,840	144	3.9%
40.7%	2,821	3,831	1,010	35.8%
42.0%	2,358	3,707	1,348	57.2%
43.2%	2,318	3,297	979	42.2%
44.4%	2,230	2,816	586	26.3%
45.7%	2,194	2,226	32	1.5%
46.9%	2,174	2,212	38	1.8%
48.1%	1,969	1,700	-269	-13.7%
49.4%	1,787	1,700	-87	-4.9%
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	924	-2	-0.2%
85.2%	900	900	0	0.0%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,036	34,035	-1	0.0%
1.2%	31,808	31,808	0	0.0%
2.5%	26,269	26,268	-1	0.0%
3.7%	22,001	24,744	2,743	12.5%
4.9%	20,294	19,377	-917	-4.5%
6.2%	19,372	19,206	-166	-0.9%
7.4%	16,075	16,075	-1	0.0%
8.6%	14,409	14,407	-2	0.0%
9.9%	14,277	14,275	-2	0.0%
11.1%	13,402	13,401	-1	0.0%
12.3%	12,917	12,914	-2	0.0%
13.6%	11,916	11,910	-6	0.0%
14.8%	11,446	11,445	-1	0.0%
16.0%	11,351	11,352	0	0.0%
17.3%	10,166	10,145	-21	-0.2%
18.5%	9,485	9,899	414	4.4%
19.8%	9,393	9,601	209	2.2%
21.0%	9,037	9,388	352	3.9%
22.2%	8,314	9,037	723	8.7%
23.5%	7,834	8,313	479	6.1%
24.7%	7,087	7,094	7	0.1%
25.9%	7,084	7,085	0	0.0%
27.2%	6,641	6,638	-3	0.0%
28.4%	6,455	6,569	113	1.8%
29.6%	6,413	6,455	42	0.7%
30.9%	6,171	6,406	235	3.8%
32.1%	6,117	6,165	48	0.8%
33.3%	5,385	6,118	733	13.6%
34.6%	5,337	5,532	195	3.7%
35.8%	5,315	5,315	0	0.0%
37.0%	5,292	5,311	20	0.4%
38.3%	5,250	5,310	60	1.1%
39.5%	4,817	4,779	-37	-0.8%
40.7%	4,778	4,726	-52	-1.1%
42.0%	4,695	4,638	-58	-1.2%
43.2%	4,582	4,615	33	0.7%
44.4%	4,529	4,586	57	1.3%
45.7%	4,355	4,122	-233	-5.4%
46.9%	4,170	4,110	-60	-1.4%
48.1%	4,145	4,029	-115	-2.8%
49.4%	4,050	3,138	-913	-22.5%
50.6%	3,379	3,043	-336	-9.9%
51.9%	2,786	2,780	-6	-0.2%
53.1%	2,768	2,598	-170	-6.1%
54.3%	2,380	2,324	-56	-2.4%
55.6%	2,254	2,307	53	2.3%
56.8%	2,174	1,733	-441	-20.3%
58.0%	2,144	1,717	-427	-19.9%
59.3%	1,859	1,700	-159	-8.5%
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	1,700	422	33.0%
79.0%	1,040	1,129	90	8.6%
80.2%	1,019	1,100	81	8.0%
81.5%	1,000	1,036	36	3.6%
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	800	-200	-20.0%
87.7%	800	800	0	0.0%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,991	0	0.0%
1.2%	17,592	17,590	-2	0.0%
2.5%	13,120	13,369	249	1.9%
3.7%	13,116	13,118	2	0.0%
4.9%	12,900	12,900	-1	0.0%
6.2%	10,563	10,558	-4	0.0%
7.4%	8,771	8,758	-13	-0.1%
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	5,100	-1	0.0%
17.3%	4,793	4,798	5	0.1%
18.5%	4,554	4,553	-2	0.0%
19.8%	4,224	4,225	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	3,794	-1	0.0%
24.7%	3,587	3,587	0	0.0%
25.9%	3,277	3,243	-34	-1.0%
27.2%	3,243	3,035	-209	-6.4%
28.4%	3,079	2,694	-385	-12.5%
29.6%	3,009	2,170	-839	-27.9%
30.9%	2,921	1,997	-924	-31.6%
32.1%	2,609	1,928	-681	-26.1%
33.3%	2,171	1,897	-274	-12.6%
34.6%	1,997	1,893	-103	-5.2%
35.8%	1,900	1,839	-61	-3.2%
37.0%	1,893	1,810	-83	-4.4%
38.3%	1,814	1,675	-139	-7.7%
39.5%	1,653	1,649	-4	-0.2%
40.7%	1,650	1,492	-158	-9.6%
42.0%	1,492	1,491	-1	-0.1%
43.2%	1,387	1,467	80	5.8%
44.4%	1,312	1,385	73	5.5%
45.7%	1,281	1,383	102	8.0%
46.9%	1,275	1,315	39	3.1%
48.1%	1,240	1,313	73	5.9%
49.4%	1,225	1,227	2	0.2%
50.6%	1,040	1,129	88	8.5%
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%	1,000	1,000	0	0.0%
88.9%	951	809	-142	-14.9%
90.1%	785	784	-1	-0.1%
91.4%	781	779	-1	-0.2%
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%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,399	20,396	-3	0.0%
1.2%	18,247	18,245	-1	0.0%
2.5%	17,333	17,335	2	0.0%
3.7%	16,793	16,794	1	0.0%
4.9%	12,825	12,825	0	0.0%
6.2%	11,871	11,871	0	0.0%
7.4%	10,838	10,838	0	0.0%
8.6%	10,472	10,469	-4	0.0%
9.9%	10,420	10,443	22	0.2%
11.1%	9,252	9,250	-2	0.0%
12.3%	9,193	9,190	-2	0.0%
13.6%	8,592	8,593	1	0.0%
14.8%	8,530	8,526	-4	-0.1%
16.0%	8,395	8,392	-3	0.0%
17.3%	8,006	8,006	0	0.0%
18.5%	7,768	7,768	0	0.0%
19.8%	5,851	5,844	-7	-0.1%
21.0%	5,792	5,791	-1	0.0%
22.2%	4,053	5,609	1,556	38.4%
23.5%	3,505	4,060	555	15.8%
24.7%	3,307	3,503	197	5.9%
25.9%	3,143	3,304	161	5.1%
27.2%	3,045	3,143	98	3.2%
28.4%	3,007	3,076	69	2.3%
29.6%	2,884	3,068	185	6.4%
30.9%	2,784	2,728	-56	-2.0%
32.1%	2,629	2,631	1	0.0%
33.3%	2,411	2,272	-139	-5.8%
34.6%	2,286	2,252	-34	-1.5%
35.8%	2,219	2,141	-78	-3.5%
37.0%	2,138	2,098	-40	-1.9%
38.3%	2,118	2,062	-56	-2.6%
39.5%	2,063	2,059	-3	-0.2%
40.7%	2,056	1,929	-126	-6.1%
42.0%	2,012	1,777	-236	-11.7%
43.2%	2,002	1,679	-323	-16.1%
44.4%	1,777	1,528	-249	-14.0%
45.7%	1,569	1,521	-49	-3.1%
46.9%	1,535	1,415	-120	-7.8%
48.1%	1,522	1,413	-109	-7.2%
49.4%	1,424	1,358	-66	-4.7%
50.6%	1,407	1,353	-54	-3.8%
51.9%	1,369	1,228	-142	-10.3%
53.1%	1,354	1,218	-136	-10.1%
54.3%	1,255	1,189	-66	-5.3%
55.6%	1,241	1,168	-73	-5.9%
56.8%	1,220	1,150	-69	-5.7%
58.0%	1,198	1,135	-64	-5.3%
59.3%	1,168	1,091	-78	-6.7%
60.5%	1,152	1,052	-99	-8.6%
61.7%	1,136	1,000	-136	-12.0%
63.0%	1,094	1,000	-94	-8.6%
64.2%	1,054	1,000	-54	-5.1%
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%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	1,000	0	0.0%
91.4%	1,000	1,000	0	0.0%
92.6%	1,000	973	-27	-2.7%
93.8%	977	779	-198	-20.3%
95.1%	785	773	-12	-1.5%
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-22-9b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,718	37	0.3%
1.2%	11,148	11,421	273	2.4%
2.5%	10,971	10,970	-2	0.0%
3.7%	9,080	9,077	-4	0.0%
4.9%	8,515	8,512	-3	0.0%
6.2%	8,203	8,207	3	0.0%
7.4%	6,686	6,681	-5	-0.1%
8.6%	6,549	6,551	1	0.0%
9.9%	6,154	6,461	306	5.0%
11.1%	6,071	6,061	-10	-0.2%
12.3%	5,637	5,639	2	0.0%
13.6%	5,563	5,559	-4	-0.1%
14.8%	5,400	5,026	-374	-6.9%
16.0%	4,843	4,829	-14	-0.3%
17.3%	4,842	4,763	-78	-1.6%
18.5%	4,754	4,659	-95	-2.0%
19.8%	4,490	4,587	97	2.2%
21.0%	4,466	4,519	53	1.2%
22.2%	4,381	4,452	71	1.6%
23.5%	4,370	4,380	10	0.2%
24.7%	4,293	4,370	77	1.8%
25.9%	4,217	4,329	112	2.7%
27.2%	4,161	4,311	150	3.6%
28.4%	4,149	4,243	94	2.3%
29.6%	4,147	4,025	-122	-2.9%
30.9%	4,125	3,988	-138	-3.3%
32.1%	4,049	3,981	-68	-1.7%
33.3%	4,024	3,908	-116	-2.9%
34.6%	3,924	3,884	-40	-1.0%
35.8%	3,893	3,772	-120	-3.1%
37.0%	3,883	3,733	-151	-3.9%
38.3%	3,848	3,522	-327	-8.5%
39.5%	3,828	3,514	-315	-8.2%
40.7%	3,741	3,488	-253	-6.8%
42.0%	3,722	3,461	-261	-7.0%
43.2%	3,706	3,424	-282	-7.6%
44.4%	3,584	3,411	-174	-4.8%
45.7%	3,557	3,294	-263	-7.4%
46.9%	3,514	3,246	-268	-7.6%
48.1%	3,451	3,244	-207	-6.0%
49.4%	3,422	3,154	-267	-7.8%
50.6%	3,381	3,126	-256	-7.6%
51.9%	3,355	3,066	-289	-8.6%
53.1%	3,336	3,019	-317	-9.5%
54.3%	3,332	2,995	-338	-10.1%
55.6%	3,323	2,937	-386	-11.6%
56.8%	3,309	2,794	-515	-15.6%
58.0%	3,153	2,753	-399	-12.7%
59.3%	3,080	2,661	-420	-13.6%
60.5%	3,046	2,567	-479	-15.7%
61.7%	2,926	2,515	-411	-14.1%
63.0%	2,917	2,495	-422	-14.5%
64.2%	2,898	2,490	-408	-14.1%
65.4%	2,892	2,466	-426	-14.7%
66.7%	2,863	2,377	-486	-17.0%
67.9%	2,849	2,367	-482	-16.9%
69.1%	2,813	2,355	-459	-16.3%
70.4%	2,806	2,347	-459	-16.4%
71.6%	2,798	2,317	-481	-17.2%
72.8%	2,718	2,310	-408	-15.0%
74.1%	2,519	2,303	-216	-8.6%
75.3%	2,320	2,290	-30	-1.3%
76.5%	2,266	2,286	19	0.9%
77.8%	2,228	2,280	52	2.3%
79.0%	2,189	2,184	-5	-0.2%
80.2%	2,080	2,110	30	1.4%
81.5%	2,053	2,102	49	2.4%
82.7%	2,002	2,066	64	3.2%
84.0%	1,997	2,063	67	3.4%
85.2%	1,978	2,001	23	1.1%
86.4%	1,837	1,992	155	8.5%
87.7%	1,767	1,981	214	12.1%
88.9%	1,634	1,877	243	14.9%
90.1%	1,627	1,861	234	14.4%
91.4%	1,585	1,809	224	14.1%
92.6%	1,145	1,803	658	57.5%
93.8%	1,099	1,789	691	62.9%
95.1%	1,000	1,633	633	63.3%
96.3%	1,000	1,507	507	50.7%
97.5%	1,000	1,398	398	39.8%
98.8%	1,000	1,362	362	36.2%
100.0%	1,000	1,105	105	10.5%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	9,964	-36	-0.4%
13.6%	9,986	9,882	-104	-1.0%
14.8%	9,945	9,692	-253	-2.5%
16.0%	9,791	9,522	-269	-2.7%
17.3%	9,727	9,512	-215	-2.2%
18.5%	9,717	9,504	-213	-2.2%
19.8%	9,580	9,498	-82	-0.9%
21.0%	9,560	9,495	-65	-0.7%
22.2%	9,483	9,449	-33	-0.4%
23.5%	9,467	9,340	-127	-1.3%
24.7%	9,301	9,259	-43	-0.5%
25.9%	9,224	9,219	-5	-0.1%
27.2%	9,217	9,149	-68	-0.7%
28.4%	9,138	9,146	8	0.1%
29.6%	9,129	9,116	-13	-0.1%
30.9%	9,118	8,917	-201	-2.2%
32.1%	9,053	8,908	-145	-1.6%
33.3%	9,015	8,904	-111	-1.2%
34.6%	8,964	8,869	-95	-1.1%
35.8%	8,848	8,862	14	0.2%
37.0%	8,833	8,837	4	0.0%
38.3%	8,823	8,682	-140	-1.6%
39.5%	8,819	8,628	-191	-2.2%
40.7%	8,746	8,621	-125	-1.4%
42.0%	8,714	8,617	-97	-1.1%
43.2%	8,713	8,606	-107	-1.2%
44.4%	8,656	8,494	-162	-1.9%
45.7%	8,647	8,447	-200	-2.3%
46.9%	8,565	8,446	-118	-1.4%
48.1%	8,533	8,383	-150	-1.8%
49.4%	8,495	8,376	-119	-1.4%
50.6%	8,478	8,256	-222	-2.6%
51.9%	8,467	8,175	-292	-3.4%
53.1%	8,457	8,149	-308	-3.6%
54.3%	8,390	8,147	-243	-2.9%
55.6%	8,347	8,138	-209	-2.5%
56.8%	8,322	8,073	-250	-3.0%
58.0%	8,316	7,954	-362	-4.3%
59.3%	8,312	7,748	-564	-6.8%
60.5%	8,292	7,738	-554	-6.7%
61.7%	8,256	7,676	-580	-7.0%
63.0%	8,250	7,438	-811	-9.8%
64.2%	8,208	7,410	-799	-9.7%
65.4%	8,159	7,338	-821	-10.1%
66.7%	7,795	7,102	-693	-8.9%
67.9%	7,728	7,070	-659	-8.5%
69.1%	7,725	7,068	-657	-8.5%
70.4%	7,580	7,057	-523	-6.9%
71.6%	7,579	6,826	-753	-9.9%
72.8%	7,426	6,747	-679	-9.1%
74.1%	7,397	6,658	-739	-10.0%
75.3%	7,303	6,608	-695	-9.5%
76.5%	7,224	6,333	-891	-12.3%
77.8%	7,086	6,250	-836	-11.8%
79.0%	6,570	6,175	-395	-6.0%
80.2%	6,269	6,173	-96	-1.5%
81.5%	6,203	6,167	-36	-0.6%
82.7%	5,761	6,164	403	7.0%
84.0%	5,599	5,698	99	1.8%
85.2%	5,395	5,693	298	5.5%
86.4%	3,750	5,063	1,312	35.0%
87.7%	3,716	4,699	983	26.4%
88.9%	3,459	4,666	1,207	34.9%
90.1%	2,804	4,176	1,372	48.9%
91.4%	2,796	3,864	1,068	38.2%
92.6%	2,448	3,400	952	38.9%
93.8%	2,428	3,380	952	39.2%
95.1%	2,379	2,944	565	23.7%
96.3%	2,358	2,796	438	18.6%
97.5%	1,507	2,613	1,106	73.4%
98.8%	1,484	2,425	941	63.4%
100.0%	1,440	2,400	960	66.6%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,603	8,636	33	0.4%
1.2%	8,563	8,415	-148	-1.7%
2.5%	8,167	8,097	-70	-0.9%
3.7%	7,924	8,079	155	2.0%
4.9%	7,866	8,016	150	1.9%
6.2%	7,763	7,999	236	3.0%
7.4%	7,427	7,986	559	7.5%
8.6%	7,398	7,980	582	7.9%
9.9%	7,306	7,953	648	8.9%
11.1%	7,246	7,952	706	9.7%
12.3%	7,196	7,812	616	8.6%
13.6%	7,190	7,784	593	8.3%
14.8%	7,163	7,627	464	6.5%
16.0%	7,076	7,568	492	7.0%
17.3%	7,027	7,474	447	6.4%
18.5%	7,011	7,460	449	6.4%
19.8%	6,997	7,435	438	6.3%
21.0%	6,964	7,396	433	6.2%
22.2%	6,932	7,367	435	6.3%
23.5%	6,880	7,215	335	4.9%
24.7%	6,869	6,981	113	1.6%
25.9%	6,862	6,961	99	1.4%
27.2%	6,830	6,925	95	1.4%
28.4%	6,824	6,906	82	1.2%
29.6%	6,784	6,846	62	0.9%
30.9%	6,601	6,806	205	3.1%
32.1%	6,555	6,680	125	1.9%
33.3%	6,554	6,382	-172	-2.6%
34.6%	6,546	6,380	-167	-2.5%
35.8%	6,519	6,277	-242	-3.7%
37.0%	6,508	6,274	-235	-3.6%
38.3%	6,505	6,248	-257	-3.9%
39.5%	6,486	6,233	-254	-3.9%
40.7%	6,446	6,225	-221	-3.4%
42.0%	6,441	6,190	-251	-3.9%
43.2%	6,409	6,047	-362	-5.6%
44.4%	6,386	5,832	-554	-8.7%
45.7%	6,315	5,703	-612	-9.7%
46.9%	6,207	5,602	-605	-9.7%
48.1%	6,086	5,449	-637	-10.5%
49.4%	6,056	5,401	-655	-10.8%
50.6%	6,025	5,255	-770	-12.8%
51.9%	5,878	5,213	-665	-11.3%
53.1%	5,835	5,202	-633	-10.8%
54.3%	5,794	5,196	-598	-10.3%
55.6%	5,706	5,184	-522	-9.1%
56.8%	5,353	5,121	-232	-4.3%
58.0%	5,310	5,076	-234	-4.4%
59.3%	5,267	4,697	-570	-10.8%
60.5%	5,257	4,639	-619	-11.8%
61.7%	5,240	4,496	-744	-14.2%
63.0%	4,701	4,420	-282	-6.0%
64.2%	4,495	4,355	-141	-3.1%
65.4%	4,495	3,915	-580	-12.9%
66.7%	4,020	3,895	-124	-3.1%
67.9%	3,752	3,822	70	1.9%
69.1%	3,438	3,415	-24	-0.7%
70.4%	3,412	3,330	-81	-2.4%
71.6%	2,987	3,309	321	10.8%
72.8%	2,716	3,194	478	17.6%
74.1%	2,588	2,981	393	15.2%
75.3%	2,352	2,981	629	26.8%
76.5%	2,309	2,981	672	29.1%
77.8%	2,176	2,883	707	32.5%
79.0%	1,899	2,874	975	51.4%
80.2%	1,800	2,681	881	48.9%
81.5%	1,704	2,594	890	52.2%
82.7%	1,679	2,525	846	50.4%
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	2,500	1,089	77.2%
88.9%	1,397	2,500	1,103	78.9%
90.1%	1,354	2,494	1,141	84.3%
91.4%	1,352	2,396	1,044	77.2%
92.6%	1,300	1,939	639	49.2%
93.8%	1,260	1,575	315	25.0%
95.1%	1,165	1,480	315	27.0%
96.3%	1,064	1,453	389	36.6%
97.5%	1,041	1,049	8	0.8%
98.8%	1,000	989	-11	-1.1%
100.0%	1,000	896	-104	-10.4%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D 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	9,973	-27	-0.3%
4.9%	10,000	9,972	-28	-0.3%
6.2%	9,966	9,923	-42	-0.4%
7.4%	9,899	9,837	-62	-0.6%
8.6%	9,789	9,801	13	0.1%
9.9%	9,761	9,801	40	0.4%
11.1%	9,692	9,750	58	0.6%
12.3%	9,536	9,699	163	1.7%
13.6%	9,521	9,696	175	1.8%
14.8%	9,503	9,687	184	1.9%
16.0%	9,442	9,656	215	2.3%
17.3%	9,340	9,520	180	1.9%
18.5%	9,258	9,508	250	2.7%
19.8%	8,911	9,504	593	6.7%
21.0%	8,118	9,415	1,297	16.0%
22.2%	8,070	9,264	1,194	14.8%
23.5%	8,059	8,955	895	11.1%
24.7%	7,741	8,875	1,134	14.7%
25.9%	7,725	8,861	1,135	14.7%
27.2%	7,676	8,428	752	9.8%
28.4%	7,364	8,072	708	9.6%
29.6%	7,295	8,016	721	9.9%
30.9%	7,251	7,976	725	10.0%
32.1%	7,215	7,352	138	1.9%
33.3%	7,058	7,221	162	2.3%
34.6%	6,827	7,068	241	3.5%
35.8%	6,756	6,934	177	2.6%
37.0%	6,680	6,932	252	3.8%
38.3%	6,505	6,753	248	3.8%
39.5%	5,082	6,716	1,634	32.2%
40.7%	5,065	6,219	1,154	22.8%
42.0%	4,739	6,093	1,354	28.6%
43.2%	4,732	5,834	1,102	23.3%
44.4%	4,632	3,981	-651	-14.1%
45.7%	4,626	3,698	-928	-20.1%
46.9%	3,654	3,604	-49	-1.4%
48.1%	3,491	3,566	75	2.1%
49.4%	3,367	3,470	103	3.1%
50.6%	3,312	3,413	100	3.0%
51.9%	3,308	3,259	-49	-1.5%
53.1%	3,261	3,244	-17	-0.5%
54.3%	3,148	3,088	-60	-1.9%
55.6%	3,131	3,055	-76	-2.4%
56.8%	3,115	2,947	-168	-5.4%
58.0%	3,092	2,831	-261	-8.5%
59.3%	3,035	2,771	-264	-8.7%
60.5%	2,906	2,752	-154	-5.3%
61.7%	2,829	2,649	-180	-6.4%
63.0%	2,778	2,586	-193	-6.9%
64.2%	2,621	2,534	-87	-3.3%
65.4%	2,588	2,487	-101	-3.9%
66.7%	2,465	2,465	0	0.0%
67.9%	2,445	2,344	-101	-4.1%
69.1%	2,436	2,291	-145	-5.9%
70.4%	2,360	2,270	-89	-3.8%
71.6%	2,288	2,182	-106	-4.6%
72.8%	2,174	2,164	-9	-0.4%
74.1%	2,130	2,152	22	1.0%
75.3%	2,007	2,123	117	5.8%
76.5%	1,916	2,075	159	8.3%
77.8%	1,904	2,000	96	5.0%
79.0%	1,751	2,000	249	14.2%
80.2%	1,707	1,918	211	12.4%
81.5%	1,488	1,877	388	26.1%
82.7%	1,488	1,839	351	23.6%
84.0%	1,369	1,834	465	34.0%
85.2%	1,305	1,833	528	40.4%
86.4%	1,147	1,752	606	52.8%
87.7%	1,036	1,752	716	69.1%
88.9%	1,034	1,488	454	43.9%
90.1%	1,030	1,399	369	35.8%
91.4%	1,005	1,317	312	31.1%
92.6%	1,000	1,305	305	30.5%
93.8%	1,000	1,032	32	3.2%
95.1%	982	1,000	18	1.8%
96.3%	897	998	101	11.3%
97.5%	773	930	156	20.2%
98.8%	773	800	27	3.4%
100.0%	773	800	27	3.4%

Table SW-23-9a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	3,178	3,124	5,598	11,377	13,004	13,004	8,770	7,669	6,253	8,304	6,117	6,806
Difference	-134	-21	-188	39	86	18	-41	-1	-77	-68	145	230
Percent Difference[3]	-4.0%	-0.7%	-3.3%	0.3%	0.7%	0.1%	-0.5%	0.0%	-1.2%	-0.8%	2.4%	3.5%
	Water Year Types[2]											
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 D	4,098	4,103	8,034	23,117	26,333	23,769	15,960	14,387	10,371	8,477	5,517	10,901
Difference	-159	-128	-461	214	235	77	5	-3	77	56	20	379
Percent Difference	-3.7%	-3.0%	-5.4%	0.9%	0.9%	0.3%	0.0%	0.0%	0.8%	0.7%	0.4%	3.6%
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 D	3,994	3,345	4,074	11,680	12,756	19,349	9,850	8,238	6,820	9,636	6,983	9,336
Difference	-89	81	-604	205	-106	31	3	281	356	-27	-433	348
Percent Difference	-2.2%	2.5%	-12.9%	1.8%	-0.8%	0.2%	0.0%	3.5%	5.5%	-0.3%	-5.8%	3.9%
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 D	3,460	3,561	7,384	5,345	8,318	7,315	5,330	4,637	4,849	9,358	6,942	4,179
Difference	-196	127	653	-244	262	185	2	-15	228	-101	-411	-275
Percent Difference	-5.3%	3.7%	9.7%	-4.4%	3.3%	2.6%	0.0%	-0.3%	4.9%	-1.1%	-5.6%	-6.2%
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 D	2,281	2,440	4,319	4,245	4,196	4,516	4,134	3,518	3,670	7,825	7,222	4,251
Difference	-116	-39	-294	-52	-38	-251	-64	-143	-475	-405	494	417
Percent Difference	-4.9%	-1.6%	-6.4%	-1.2%	-0.9%	-5.3%	-1.5%	-3.9%	-11.5%	-4.9%	7.3%	10.9%
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 D	1,386	1,298	1,677	3,372	3,053	2,708	3,078	2,310	2,274	6,086	3,934	2,298
Difference	-79	-40	-3	-41	-63	88	-202	-47	-602	169	1,119	101
Percent Difference	-5.4%	-3.0%	-0.2%	-1.2%	-2.0%	3.4%	-6.2%	-2.0%	-20.9%	2.9%	39.7%	4.6%

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-23-9b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

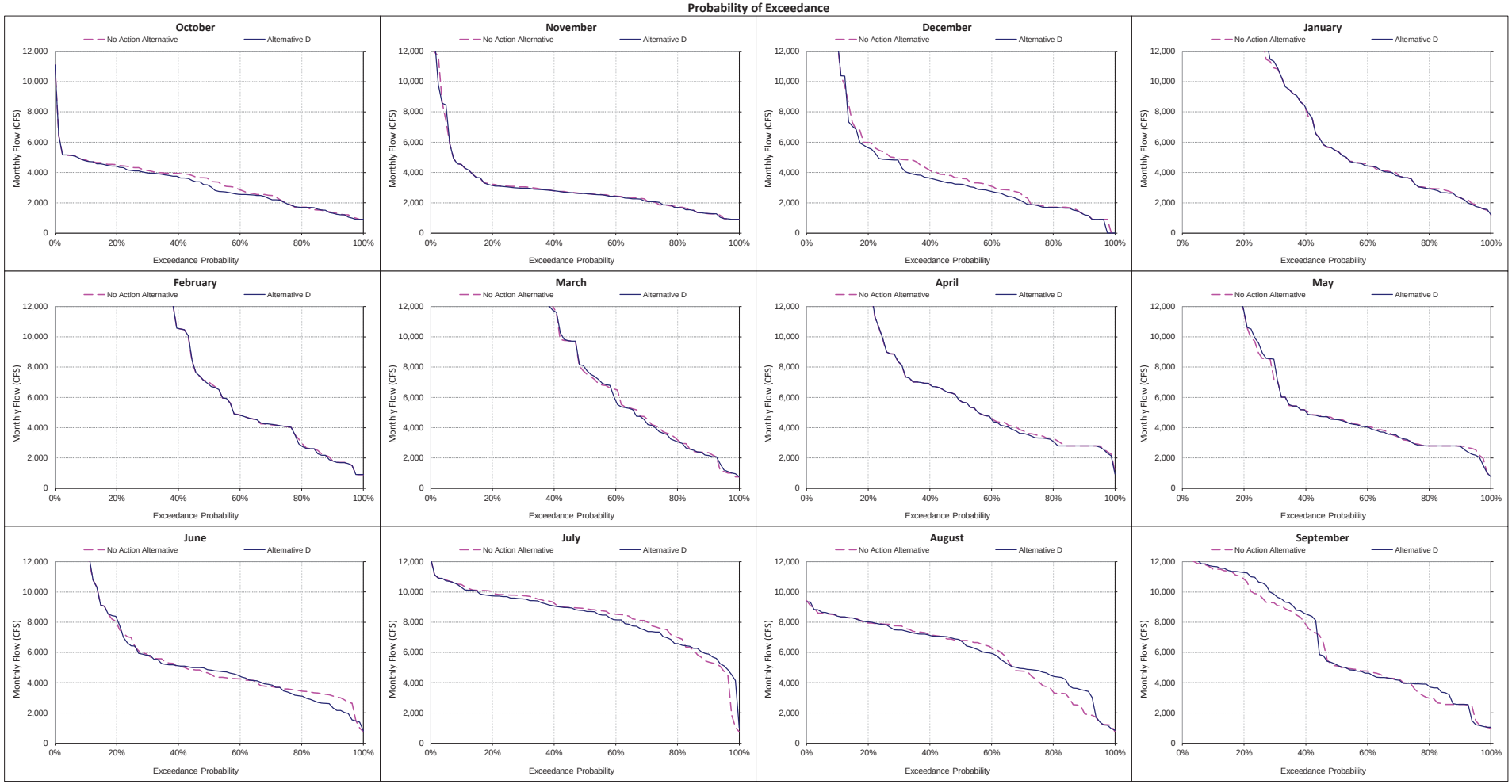

Table SW-23-9b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,104	11,107	2	0.0%
1.2%	6,414	6,429	15	0.2%
2.5%	5,151	5,155	4	0.1%
3.7%	5,138	5,152	14	0.3%
4.9%	5,129	5,129	0	0.0%
6.2%	5,127	5,101	-26	-0.5%
7.4%	5,001	5,002	0	0.0%
8.6%	4,864	4,863	-1	0.0%
9.9%	4,833	4,781	-52	-1.1%
11.1%	4,727	4,729	2	0.0%
12.3%	4,712	4,715	3	0.1%
13.6%	4,662	4,576	-86	-1.8%
14.8%	4,651	4,568	-84	-1.8%
16.0%	4,574	4,525	-50	-1.1%
17.3%	4,543	4,458	-85	-1.9%
18.5%	4,533	4,417	-116	-2.6%
19.8%	4,520	4,416	-104	-2.3%
21.0%	4,457	4,335	-121	-2.7%
22.2%	4,432	4,324	-108	-2.4%
23.5%	4,412	4,166	-246	-5.6%
24.7%	4,333	4,133	-200	-4.6%
25.9%	4,319	4,103	-216	-5.0%
27.2%	4,317	4,102	-215	-5.0%
28.4%	4,196	4,042	-154	-3.7%
29.6%	4,159	3,989	-170	-4.1%
30.9%	4,102	3,950	-152	-3.7%
32.1%	4,040	3,947	-93	-2.3%
33.3%	4,001	3,928	-73	-1.8%
34.6%	3,988	3,891	-97	-2.4%
35.8%	3,961	3,834	-127	-3.2%
37.0%	3,960	3,810	-150	-3.8%
38.3%	3,958	3,756	-202	-5.1%
39.5%	3,948	3,747	-201	-5.1%
40.7%	3,921	3,634	-287	-7.3%
42.0%	3,907	3,630	-277	-7.1%
43.2%	3,884	3,594	-290	-7.5%
44.4%	3,802	3,467	-335	-8.8%
45.7%	3,699	3,386	-312	-8.4%
46.9%	3,649	3,382	-267	-7.3%
48.1%	3,644	3,205	-439	-12.0%
49.4%	3,629	3,180	-448	-12.4%
50.6%	3,403	3,034	-369	-10.9%
51.9%	3,386	2,815	-571	-16.9%
53.1%	3,374	2,747	-628	-18.6%
54.3%	3,151	2,734	-417	-13.2%
55.6%	3,085	2,698	-387	-12.5%
56.8%	3,057	2,666	-391	-12.8%
58.0%	3,031	2,597	-434	-14.3%
59.3%	2,918	2,566	-351	-12.0%
60.5%	2,811	2,552	-259	-9.2%
61.7%	2,705	2,547	-158	-5.8%
63.0%	2,652	2,533	-119	-4.5%
64.2%	2,618	2,521	-97	-3.7%
65.4%	2,550	2,483	-67	-2.6%
66.7%	2,548	2,474	-73	-2.9%
67.9%	2,542	2,413	-129	-5.1%
69.1%	2,498	2,292	-205	-8.2%
70.4%	2,479	2,199	-280	-11.3%
71.6%	2,387	2,189	-198	-8.3%
72.8%	2,204	2,178	-26	-1.2%
74.1%	2,075	2,048	-27	-1.3%
75.3%	1,927	1,925	-2	-0.1%
76.5%	1,837	1,842	4	0.2%
77.8%	1,707	1,743	36	2.1%
79.0%	1,700	1,716	16	0.9%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,585	1,700	115	7.3%
84.0%	1,539	1,668	129	8.4%
85.2%	1,531	1,584	52	3.4%
86.4%	1,507	1,532	24	1.6%
87.7%	1,448	1,507	59	4.1%
88.9%	1,400	1,352	-48	-3.4%
90.1%	1,350	1,304	-46	-3.4%
91.4%	1,303	1,236	-67	-5.1%
92.6%	1,235	1,200	-35	-2.8%
93.8%	1,200	1,200	0	0.0%
95.1%	1,200	1,060	-140	-11.7%
96.3%	1,060	985	-75	-7.1%
97.5%	984	900	-84	-8.5%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,067	23,072	6	0.0%
1.2%	11,939	12,875	936	7.8%
2.5%	11,671	9,794	-1,877	-16.1%
3.7%	8,621	8,582	-39	-0.5%
4.9%	7,420	8,461	1,041	14.0%
6.2%	5,902	5,910	9	0.2%
7.4%	4,924	4,925	1	0.0%
8.6%	4,577	4,573	-4	-0.1%
9.9%	4,540	4,543	3	0.1%
11.1%	4,279	4,282	3	0.1%
12.3%	4,146	4,147	1	0.0%
13.6%	3,891	3,892	1	0.0%
14.8%	3,662	3,664	1	0.0%
16.0%	3,607	3,658	51	1.4%
17.3%	3,315	3,315	0	0.0%
18.5%	3,286	3,211	-76	-2.3%
19.8%	3,239	3,149	-90	-2.8%
21.0%	3,207	3,107	-100	-3.1%
22.2%	3,123	3,094	-29	-0.9%
23.5%	3,093	3,086	-7	-0.2%
24.7%	3,091	3,052	-39	-1.3%
25.9%	3,088	3,023	-65	-2.1%
27.2%	3,076	2,988	-88	-2.9%
28.4%	3,056	2,976	-81	-2.6%
29.6%	3,048	2,966	-82	-2.7%
30.9%	3,047	2,960	-87	-2.9%
32.1%	3,020	2,942	-78	-2.6%
33.3%	2,973	2,901	-72	-2.4%
34.6%	2,956	2,879	-77	-2.6%
35.8%	2,895	2,872	-23	-0.8%
37.0%	2,879	2,865	-14	-0.5%
38.3%	2,859	2,818	-41	-1.4%
39.5%	2,800	2,816	16	0.6%
40.7%	2,788	2,760	-28	-1.0%
42.0%	2,751	2,755	5	0.2%
43.2%	2,748	2,697	-51	-1.8%
44.4%	2,693	2,687	-6	-0.2%
45.7%	2,683	2,670	-14	-0.5%
46.9%	2,665	2,635	-29	-1.1%
48.1%	2,633	2,621	-13	-0.5%
49.4%	2,610	2,608	-2	-0.1%
50.6%	2,589	2,592	3	0.1%
51.9%	2,583	2,587	4	0.2%
53.1%	2,566	2,547	-19	-0.7%
54.3%	2,559	2,531	-28	-1.1%
55.6%	2,533	2,526	-7	-0.3%
56.8%	2,526	2,476	-50	-2.0%
58.0%	2,458	2,435	-23	-0.9%
59.3%	2,454	2,424	-31	-1.3%
60.5%	2,421	2,411	-10	-0.4%
61.7%	2,410	2,386	-24	-1.0%
63.0%	2,379	2,312	-67	-2.8%
64.2%	2,366	2,289	-77	-3.3%
65.4%	2,342	2,263	-78	-3.3%
66.7%	2,314	2,262	-52	-2.2%
67.9%	2,290	2,247	-43	-1.9%
69.1%	2,257	2,128	-129	-5.7%
70.4%	2,077	2,074	-3	-0.1%
71.6%	2,070	2,070	0	0.0%
72.8%	2,022	2,068	46	2.3%
74.1%	1,863	2,025	162	8.7%
75.3%	1,858	1,859	2	0.1%
76.5%	1,850	1,856	6	0.4%
77.8%	1,787	1,849	62	3.5%
79.0%	1,776	1,700	-76	-4.3%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,664	-36	-2.1%
82.7%	1,647	1,550	-97	-5.9%
84.0%	1,548	1,544	-4	-0.2%
85.2%	1,499	1,497	-2	-0.1%
86.4%	1,357	1,363	6	0.4%
87.7%	1,344	1,347	3	0.2%
88.9%	1,312	1,309	-3	-0.2%
90.1%	1,280	1,282	2	0.2%
91.4%	1,271	1,272	1	0.1%
92.6%	1,270	1,271	1	0.1%
93.8%	1,177	1,033	-143	-12.2%
95.1%	954	949	-5	-0.5%
96.3%	937	937	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,403	48,409	6	0.0%
1.2%	32,897	34,807	1,909	5.8%
2.5%	32,019	30,613	-1,406	-4.4%
3.7%	21,161	21,759	598	2.8%
4.9%	20,375	21,308	933	4.6%
6.2%	18,708	21,179	2,471	13.2%
7.4%	17,732	18,591	860	4.8%
8.6%	13,076	14,957	1,881	14.4%
9.9%	12,933	12,933	0	0.0%
11.1%	10,411	10,382	-29	-0.3%
12.3%	9,782	10,371	589	6.0%
13.6%	8,600	7,336	-1,264	-14.7%
14.8%	7,335	7,048	-287	-3.9%
16.0%	6,829	6,833	4	0.1%
17.3%	6,808	5,949	-859	-12.6%
18.5%	5,995	5,801	-193	-3.2%
19.8%	5,972	5,638	-334	-5.6%
21.0%	5,948	5,545	-403	-6.8%
22.2%	5,635	5,282	-353	-6.3%
23.5%	5,476	4,929	-547	-10.0%
24.7%	5,382	4,881	-501	-9.3%
25.9%	5,262	4,865	-396	-7.5%
27.2%	5,031	4,846	-186	-3.7%
28.4%	4,994	4,828	-166	-3.3%
29.6%	4,919	4,822	-98	-2.0%
30.9%	4,864	4,311	-553	-11.4%
32.1%	4,843	4,036	-807	-16.7%
33.3%	4,825	3,953	-871	-18.1%
34.6%	4,815	3,891	-924	-19.2%
35.8%	4,692	3,842	-851	-18.1%
37.0%	4,480	3,815	-665	-14.8%
38.3%	4,360	3,693	-666	-15.3%
39.5%	4,207	3,661	-546	-13.0%
40.7%	4,046	3,591	-455	-11.2%
42.0%	4,038	3,521	-517	-12.8%
43.2%	3,892	3,446	-446	-11.4%
44.4%	3,864	3,388	-476	-12.3%
45.7%	3,810	3,326	-484	-12.7%
46.9%	3,797	3,325	-472	-12.4%
48.1%	3,660	3,239	-421	-11.5%
49.4%	3,647	3,238	-409	-11.2%
50.6%	3,608	3,222	-386	-10.7%
51.9%	3,589	3,137	-453	-12.6%
53.1%	3,382	3,054	-328	-9.7%
54.3%	3,324	3,021	-303	-9.1%
55.6%	3,321	2,883	-438	-13.2%
56.8%	3,289	2,862	-427	-13.0%
58.0%	3,230	2,850	-380	-11.8%
59.3%	3,136	2,789	-346	-11.0%
60.5%	3,045	2,716	-328	-10.8%
61.7%	2,897	2,663	-235	-8.1%
63.0%	2,881	2,629	-252	-8.7%
64.2%	2,863	2,505	-358	-12.5%
65.4%	2,852	2,420	-433	-15.2%
66.7%	2,788	2,402	-386	-13.9%
67.9%	2,723	2,280	-443	-16.3%
69.1%	2,663	2,184	-478	-18.0%
70.4%	2,387	2,044	-343	-14.4%
71.6%	2,313	1,892	-420	-18.2%
72.8%	1,867	1,872	5	0.3%
74.1%	1,855	1,859	4	0.2%
75.3%	1,853	1,798	-55	-3.0%
76.5%	1,796	1,706	-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	1,657	-43	-2.5%
84.0%	1,700	1,650	-50	-2.9%
85.2%	1,673	1,648	-25	-1.5%
86.4%	1,648	1,528	-120	-7.3%
87.7%	1,526	1,468	-59	-3.8%
88.9%	1,337	1,335	-2	-0.1%
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%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	0	-900	-100.0%
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	98,431	98,427	-4	0.0%
1.2%	67,172	67,194	22	0.0%
2.5%	38,850	38,847	-3	0.0%
3.7%	37,900	37,896	-4	0.0%
4.9%	35,751	36,130	379	1.1%
6.2%	33,046	35,890	2,844	8.6%
7.4%	32,056	33,693	1,637	5.1%
8.6%	31,531	31,542	11	0.0%
9.9%	21,994	21,988	-6	0.0%
11.1%	21,686	21,692	6	0.0%
12.3%	21,603	21,014	-589	-2.7%
13.6%	21,001	20,665	-336	-1.6%
14.8%	20,687	20,381	-307	-1.5%
16.0%	19,246	18,805	-441	-2.3%
17.3%	18,798	18,013	-785	-4.2%
18.5%	17,938	17,950	13	0.1%
19.8%	17,623	17,631	8	0.0%
21.0%	17,285	17,286	2	0.0%
22.2%	16,366	16,371	5	0.0%
23.5%	16,247	16,253	7	0.0%
24.7%	13,212	13,213	1	0.0%
25.9%	13,021	13,018	-3	0.0%
27.2%	11,473	12,880	1,407	12.3%
28.4%	11,324	11,474	150	1.3%
29.6%	10,906	11,346	440	4.0%
30.9%	10,846	10,908	62	0.6%
32.1%	10,308	10,310	2	0.0%
33.3%	9,624	9,658	34	0.4%
34.6%	9,478	9,478	0	0.0%
35.8%	9,211	9,210	-1	0.0%
37.0%	9,083	9,086	3	0.0%
38.3%	8,655	8,656	1	0.0%
39.5%	8,442	8,443	0	0.0%
40.7%	7,707	7,960	253	3.3%
42.0%	7,635	7,634	-1	0.0%
43.2%	6,568	6,570	2	0.0%
44.4%	6,258	6,259	2	0.0%
45.7%	5,836	5,843	7	0.1%
46.9%	5,654	5,698	43	0.8%
48.1%	5,632	5,652	20	0.4%
49.4%	5,484	5,485	1	0.0%
50.6%	5,354	5,354	-1	0.0%
51.9%	5,110	5,113	2	0.0%
53.1%	4,984	5,002	18	0.4%
54.3%	4,738	4,723	-15	-0.3%
55.6%	4,717	4,659	-57	-1.2%
56.8%	4,652	4,629	-23	-0.5%
58.0%	4,623	4,594	-29	-0.6%
59.3%	4,582	4,452	-130	-2.8%
60.5%	4,430	4,430	-1	0.0%
61.7%	4,408	4,410	2	0.0%
63.0%	4,200	4,340	140	3.3%
64.2%	4,172	4,174	2	0.1%
65.4%	4,126	4,049	-77	-1.9%
66.7%	4,082	4,019	-63	-1.5%
67.9%	4,016	4,011	-4	-0.1%
69.1%	4,008	3,805	-203	-5.1%
70.4%	3,737	3,746	8	0.2%
71.6%	3,701	3,664	-37	-1.0%
72.8%	3,661	3,650	-11	-0.3%
74.1%	3,582	3,591	9	0.3%
75.3%	3,228	3,234	6	0.2%
76.5%	3,055	3,055	-1	0.0%
77.8%	3,051	2,997	-54	-1.8%
79.0%	2,997	2,949	-49	-1.6%
80.2%	2,950	2,922	-28	-0.9%
81.5%	2,935	2,871	-64	-2.2%
82.7%	2,920	2,801	-119	-4.1%
84.0%	2,907	2,668	-239	-8.2%
85.2%	2,839	2,661	-178	-6.3%
86.4%	2,760	2,639	-121	-4.4%
87.7%	2,647	2,633	-14	-0.5%
88.9%	2,409	2,414	5	0.2%
90.1%	2,333	2,334	2	0.1%
91.4%	2,211	2,188	-24	-1.1%
92.6%	2,187	1,969	-217	-9.9%
93.8%	1,967	1,897	-70	-3.6%
95.1%	1,880	1,753	-127	-6.8%
96.3%	1,700	1,700	0	0.0%
97.5%	1,587	1,586	-1	-0.1%
98.8%	1,515	1,564	49	3.3%
100.0%	1,200	1,200	0	0.0%

Table SW-23-9b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,646	76,461	1,815	2.4%
1.2%	47,661	47,756	95	0.2%
2.5%	36,819	36,812	-6	0.0%
3.7%	36,336	36,341	6	0.0%
4.9%	35,637	35,641	4	0.0%
6.2%	35,414	35,420	6	0.0%
7.4%	35,063	35,061	-3	0.0%
8.6%	33,624	33,622	-2	0.0%
9.9%	31,040	31,037	-2	0.0%
11.1%	30,146	30,151	5	0.0%
12.3%	30,130	28,830	-1,300	-4.3%
13.6%	28,315	28,294	-22	-0.1%
14.8%	25,886	27,007	1,121	4.3%
16.0%	25,806	25,866	60	0.2%
17.3%	25,229	25,461	232	0.9%
18.5%	24,130	25,225	1,094	4.5%
19.8%	24,018	24,028	10	0.0%
21.0%	22,239	22,391	152	0.7%
22.2%	20,605	20,607	3	0.0%
23.5%	20,369	20,385	16	0.1%
24.7%	20,210	19,645	-565	-2.8%
25.9%	18,698	19,186	488	2.6%
27.2%	17,037	18,700	1,663	9.8%
28.4%	16,420	17,458	1,037	6.3%
29.6%	16,098	17,367	1,269	7.9%
30.9%	15,798	16,428	631	4.0%
32.1%	15,769	16,105	335	2.1%
33.3%	15,708	15,819	111	0.7%
34.6%	15,340	15,771	431	2.8%
35.8%	13,600	13,199	-401	-2.9%
37.0%	12,704	12,704	0	0.0%
38.3%	12,138	12,137	-1	0.0%
39.5%	10,574	10,577	3	0.0%
40.7%	10,526	10,528	2	0.0%
42.0%	10,472	10,471	-1	0.0%
43.2%	10,036	10,056	20	0.2%
44.4%	8,401	8,402	1	0.0%
45.7%	7,628	7,629	1	0.0%
46.9%	7,409	7,409	1	0.0%
48.1%	7,128	7,124	-4	-0.1%
49.4%	7,119	6,943	-175	-2.5%
50.6%	6,899	6,726	-173	-2.5%
51.9%	6,716	6,658	-58	-0.9%
53.1%	6,521	6,518	-3	-0.1%
54.3%	5,958	5,957	-1	0.0%
55.6%	5,928	5,929	1	0.0%
56.8%	5,620	5,620	0	0.0%
58.0%	4,906	4,908	2	0.0%
59.3%	4,865	4,861	-5	-0.1%
60.5%	4,789	4,787	-1	0.0%
61.7%	4,708	4,714	6	0.1%
63.0%	4,623	4,627	4	0.1%
64.2%	4,576	4,577	1	0.0%
65.4%	4,526	4,529	3	0.1%
66.7%	4,258	4,318	61	1.4%
67.9%	4,246	4,260	15	0.3%
69.1%	4,212	4,254	43	1.0%
70.4%	4,185	4,211	26	0.6%
71.6%	4,174	4,191	17	0.4%
72.8%	4,134	4,137	3	0.1%
74.1%	4,098	4,096	-1	0.0%
75.3%	4,077	4,084	7	0.2%
76.5%	4,015	4,016	1	0.0%
77.8%	3,533	3,536	3	0.1%
79.0%	3,255	2,926	-330	-10.1%
80.2%	2,921	2,745	-175	-6.0%
81.5%	2,664	2,638	-26	-1.0%
82.7%	2,617	2,619	2	0.1%
84.0%	2,607	2,614	6	0.2%
85.2%	2,498	2,272	-226	-9.0%
86.4%	2,274	2,178	-97	-4.3%
87.7%	2,177	2,173	-5	-0.2%
88.9%	2,067	1,891	-176	-8.5%
90.1%	1,774	1,785	11	0.6%
91.4%	1,700	1,701	1	0.0%
92.6%	1,700	1,700	0	0.0%
93.8%	1,700	1,700	0	0.0%
95.1%	1,623	1,623	0	0.0%
96.3%	1,510	1,514	4	0.3%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,624	58,629	5	0.0%
1.2%	58,327	58,325	-3	0.0%
2.5%	47,905	50,653	2,748	5.7%
3.7%	43,551	42,464	-1,087	-2.5%
4.9%	36,124	36,134	9	0.0%
6.2%	34,670	34,671	2	0.0%
7.4%	34,052	34,050	-2	0.0%
8.6%	30,904	30,911	7	0.0%
9.9%	29,602	29,723	121	0.4%
11.1%	29,379	29,246	-133	-0.5%
12.3%	29,112	29,117	5	0.0%
13.6%	27,685	27,684	-1	0.0%
14.8%	26,133	26,122	-11	0.0%
16.0%	23,868	23,870	1	0.0%
17.3%	22,317	22,301	-15	-0.1%
18.5%	21,899	21,909	10	0.0%
19.8%	19,914	19,918	4	0.0%
21.0%	19,913	19,915	1	0.0%
22.2%	19,061	19,059	-2	0.0%
23.5%	18,950	18,931	-18	-0.1%
24.7%	18,575	18,577	1	0.0%
25.9%	17,103	17,789	686	4.0%
27.2%	16,988	16,990	2	0.0%
28.4%	16,206	16,588	382	2.4%
29.6%	15,564	16,587	1,023	6.6%
30.9%	14,770	16,205	1,435	9.7%
32.1%	14,586	14,767	180	1.2%
33.3%	14,523	14,592	69	0.5%
34.6%	14,058	13,935	-123	-0.9%
35.8%	13,952	12,920	-1,032	-7.4%
37.0%	12,919	12,186	-733	-5.7%
38.3%	12,187	12,054	-134	-1.1%
39.5%	12,053	11,764	-289	-2.4%
40.7%	11,601	11,603	2	0.0%
42.0%	9,827	10,252	425	4.3%
43.2%	9,764	9,832	68	0.7%
44.4%	9,754	9,759	5	0.0%
45.7%	9,723	9,725	2	0.0%
46.9%	9,723	9,719	-4	0.0%
48.1%	8,104	8,154	50	0.6%
49.4%	7,766	8,103	337	4.3%
50.6%	7,532	7,762	230	3.1%
51.9%	7,377	7,529	152	2.1%
53.1%	7,190	7,384	194	2.7%
54.3%	6,907	7,194	287	4.2%
55.6%	6,816	6,938	123	1.8%
56.8%	6,790	6,833	42	0.6%
58.0%	6,608	6,796	187	2.8%
59.3%	6,570	6,104	-466	-7.1%
60.5%	6,486	5,526	-960	-14.8%
61.7%	5,526	5,375	-151	-2.7%
63.0%	5,376	5,333	-44	-0.8%
64.2%	5,330	5,280	-50	-0.9%
65.4%	5,236	5,196	-40	-0.8%
66.7%	5,183	4,760	-423	-8.2%
67.9%	4,757	4,740	-18	-0.4%
69.1%	4,737	4,537	-201	-4.2%
70.4%	4,530	4,212	-318	-7.0%
71.6%	4,208	4,149	-59	-1.4%
72.8%	4,114	3,981	-133	-3.2%
74.1%	3,981	3,739	-241	-6.1%
75.3%	3,731	3,639	-92	-2.5%
76.5%	3,634	3,558	-75	-2.1%
77.8%	3,552	3,245	-307	-8.6%
79.0%	3,371	3,153	-218	-6.5%
80.2%	3,149	3,054	-94	-3.0%
81.5%	2,970	2,963	-7	-0.2%
82.7%	2,951	2,657	-294	-10.0%
84.0%	2,590	2,575	-15	-0.6%
85.2%	2,435	2,515	80	3.3%
86.4%	2,397	2,403	6	0.2%
87.7%	2,375	2,373	-2	-0.1%
88.9%	2,372	2,190	-182	-7.7%
90.1%	2,342	2,165	-178	-7.6%
91.4%	2,187	2,080	-107	-4.9%
92.6%	2,066	2,073	7	0.3%
93.8%	1,151	1,601	450	39.1%
95.1%	1,105	1,214	109	9.9%
96.3%	1,000	1,103	103	10.3%
97.5%	1,000	1,000	0	0.0%
98.8%	750	959	209	27.9%
100.0%	750	750	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,219	49,225	6	0.0%
1.2%	30,325	30,329	4	0.0%
2.5%	28,609	28,609	0	0.0%
3.7%	27,668	27,670	2	0.0%
4.9%	27,286	27,389	102	0.4%
6.2%	27,135	27,293	157	0.6%
7.4%	25,742	25,750	8	0.0%
8.6%	25,476	25,475	-1	0.0%
9.9%	21,671	21,668	-3	0.0%
11.1%	18,842	18,681	-161	-0.9%
12.3%	17,899	17,905	6	0.0%
13.6%	14,918	14,919	1	0.0%
14.8%	14,839	14,843	4	0.0%
16.0%	14,496	14,504	8	0.1%
17.3%	13,919	13,908	-11	-0.1%
18.5%	13,789	13,801	11	0.1%
19.8%	13,312	13,313	1	0.0%
21.0%	12,756	12,762	5	0.0%
22.2%	11,275	11,276	0	0.0%
23.5%	10,608	10,608	0	0.0%
24.7%	9,858	9,882	24	0.2%
25.9%	8,994	8,996	2	0.0%
27.2%	8,872	8,873	1	0.0%
28.4%	8,864	8,861	-2	0.0%
29.6%	8,375	8,376	1	0.0%
30.9%	8,121	8,122	1	0.0%
32.1%	7,350	7,349	-1	0.0%
33.3%	7,271	7,274	3	0.0%
34.6%	7,021	7,018	-2	0.0%
35.8%	7,014	7,016	2	0.0%
37.0%	6,996	6,982	-14	-0.2%
38.3%	6,938	6,937	-1	0.0%
39.5%	6,925	6,935	10	0.1%
40.7%	6,726	6,725	-1	0.0%
42.0%	6,702	6,699	-3	-0.1%
43.2%	6,638	6,638	0	0.0%
44.4%	6,477	6,479	2	0.0%
45.7%	6,330	6,335	6	0.1%
46.9%	6,299	6,301	2	0.0%
48.1%	6,210	6,206	-4	-0.1%
49.4%	5,826	5,832	6	0.1%
50.6%	5,681	5,679	-2	0.0%
51.9%	5,637	5,640	2	0.0%
53.1%	5,341	5,341	0	0.0%
54.3%	5,313	5,314	1	0.0%
55.6%	4,983	5,004	21	0.4%
56.8%	4,874	4,876	2	0.0%
58.0%	4,791	4,797	6	0.1%
59.3%	4,778	4,756	-21	-0.4%
60.5%	4,521	4,384	-137	-3.0%
61.7%	4,382	4,355	-27	-0.6%
63.0%	4,356	4,152	-204	-4.7%
64.2%	4,353	4,104	-249	-5.7%
65.4%	4,153	4,042	-112	-2.7%
66.7%	4,097	3,891	-205	-5.0%
67.9%	4,041	3,784	-257	-6.4%
69.1%	3,871	3,622	-249	-6.4%
70.4%	3,778	3,613	-166	-4.4%
71.6%	3,621	3,558	-63	-1.7%
72.8%	3,608	3,452	-156	-4.3%
74.1%	3,557	3,341	-216	-6.1%
75.3%	3,460	3,316	-144	-4.2%
76.5%	3,451	3,313	-138	-4.0%
77.8%	3,320	3,282	-38	-1.2%
79.0%	3,313	3,229	-84	-2.5%
80.2%	3,272	3,043	-230	-7.0%
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	2,800	0	0.0%
92.6%	2,800	2,800	0	0.0%
93.8%	2,800	2,800	0	0.0%
95.1%	2,800	2,710	-90	-3.2%
96.3%	2,571	2,571	0	0.0%
97.5%	2,416	2,307	-109	-4.5%
98.8%	2,251	2,152	-99	-4.4%
100.0%	1,082	940	-142	-13.1%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,947	34,946	-1	0.0%
1.2%	32,854	32,861	6	0.0%
2.5%	30,533	30,534	1	0.0%
3.7%	25,952	25,958	6	0.0%
4.9%	23,972	23,978	6	0.0%
6.2%	21,987	21,988	1	0.0%
7.4%	19,444	19,448	3	0.0%
8.6%	19,204	19,202	-2	0.0%
9.9%	17,934	17,936	2	0.0%
11.1%	17,385	17,391	6	0.0%
12.3%	16,041	16,041	0	0.0%
13.6%	15,943	15,942	-1	0.0%
14.8%	14,149	14,144	-5	0.0%
16.0%	13,540	13,540	-1	0.0%
17.3%	13,417	13,419	2	0.0%
18.5%	12,795	12,789	-6	0.0%
19.8%	11,847	11,859	12	0.1%
21.0%	10,618	10,628	9	0.1%
22.2%	9,927	10,527	600	6.0%
23.5%	9,712	9,928	217	2.2%
24.7%	8,938	9,587	649	7.3%
25.9%	8,580	8,938	357	4.2%
27.2%	8,569	8,581	12	0.1%
28.4%	8,525	8,569	44	0.5%
29.6%	7,206	8,523	1,317	18.3%
30.9%	7,045	7,048	2	0.0%
32.1%	6,012	6,012	0	0.0%
33.3%	6,010	6,009	-1	0.0%
34.6%	5,465	5,528	62	1.1%
35.8%	5,436	5,436	0	0.0%
37.0%	5,418	5,424	6	0.1%
38.3%	5,189	5,186	-2	0.0%
39.5%	5,185	5,179	-5	-0.1%
40.7%	5,023	4,872	-151	-3.0%
42.0%	4,863	4,846	-17	-0.3%
43.2%	4,844	4,821	-23	-0.5%
44.4%	4,818	4,736	-81	-1.7%
45.7%	4,748	4,731	-17	-0.4%
46.9%	4,730	4,725	-5	-0.1%
48.1%	4,689	4,558	-132	-2.8%
49.4%	4,534	4,534	0	0.0%
50.6%	4,532	4,524	-8	-0.2%
51.9%	4,521	4,455	-66	-1.5%
53.1%	4,394	4,371	-23	-0.5%
54.3%	4,370	4,264	-106	-2.4%
55.6%	4,261	4,220	-41	-1.0%
56.8%	4,213	4,184	-29	-0.7%
58.0%	4,151	4,088	-63	-1.5%
59.3%	4,092	4,073	-19	-0.5%
60.5%	4,067	4,001	-66	-1.6%
61.7%	3,999	3,872	-127	-3.2%
63.0%	3,876	3,824	-52	-1.3%
64.2%	3,869	3,724	-144	-3.7%
65.4%	3,811	3,704	-108	-2.8%
66.7%	3,697	3,573	-124	-3.4%
67.9%	3,549	3,549	-1	0.0%
69.1%	3,454	3,528	74	2.2%
70.4%	3,345	3,348	2	0.1%
71.6%	3,203	3,268	66	2.1%
72.8%	3,165	3,210	45	1.4%
74.1%	3,109	3,051	-58	-1.9%
75.3%	2,949	2,912	-38	-1.3%
76.5%	2,911	2,824	-87	-3.0%
77.8%	2,824	2,817	-7	-0.2%
79.0%	2,800	2,800	0	0.0%
80.2%	2,800	2,800	0	0.0%
81.5%	2,800	2,800	0	0.0%
82.7%	2,800	2,800	0	0.0%
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	2,768	-32	-1.2%
91.4%	2,770	2,551	-219	-7.9%
92.6%	2,681	2,384	-298	-11.1%
93.8%	2,634	2,246	-388	-14.7%
95.1%	2,546	2,182	-364	-14.3%
96.3%	2,182	2,027	-155	-7.1%
97.5%	1,968	1,486	-481	-24.5%
98.8%	1,000	1,000	0	0.0%
100.0%	750	750	0	0.0%

Table SW-23-9b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,601	24,497	-104	-0.4%
1.2%	22,426	22,432	6	0.0%
2.5%	19,254	19,260	6	0.0%
3.7%	18,975	18,976	1	0.0%
4.9%	18,580	18,579	-1	0.0%
6.2%	18,128	18,126	-2	0.0%
7.4%	17,594	17,599	6	0.0%
8.6%	12,458	12,450	-8	-0.1%
9.9%	12,431	12,428	-3	0.0%
11.1%	11,983	12,292	309	2.6%
12.3%	10,791	10,788	-3	0.0%
13.6%	10,322	10,324	3	0.0%
14.8%	9,132	9,138	6	0.1%
16.0%	9,051	9,052	1	0.0%
17.3%	8,538	8,540	2	0.0%
18.5%	8,197	8,446	249	3.0%
19.8%	8,073	8,382	308	3.8%
21.0%	7,491	7,784	293	3.9%
22.2%	7,260	6,998	-262	-3.6%
23.5%	7,034	6,642	-392	-5.6%
24.7%	6,986	6,443	-543	-7.8%
25.9%	6,397	6,423	27	0.4%
27.2%	6,105	5,944	-161	-2.6%
28.4%	5,991	5,891	-101	-1.7%
29.6%	5,905	5,828	-77	-1.3%
30.9%	5,715	5,799	84	1.5%
32.1%	5,617	5,552	-65	-1.2%
33.3%	5,581	5,537	-43	-0.8%
34.6%	5,578	5,276	-302	-5.4%
35.8%	5,363	5,212	-151	-2.8%
37.0%	5,291	5,184	-106	-2.0%
38.3%	5,276	5,180	-96	-1.8%
39.5%	5,075	5,141	66	1.3%
40.7%	5,075	5,107	32	0.6%
42.0%	5,005	5,101	96	1.9%
43.2%	4,890	5,054	164	3.4%
44.4%	4,880	5,004	124	2.5%
45.7%	4,853	5,000	147	3.0%
46.9%	4,852	4,994	142	2.9%
48.1%	4,682	4,982	300	6.4%
49.4%	4,654	4,872	218	4.7%
50.6%	4,551	4,827	275	6.1%
51.9%	4,391	4,784	393	8.9%
53.1%	4,363	4,766	404	9.2%
54.3%	4,356	4,732	376	8.6%
55.6%	4,334	4,710	375	8.7%
56.8%	4,279	4,631	352	8.2%
58.0%	4,273	4,587	313	7.3%
59.3%	4,258	4,501	243	5.7%
60.5%	4,248	4,385	137	3.2%
61.7%	4,172	4,316	144	3.4%
63.0%	4,163	4,175	13	0.3%
64.2%	4,161	4,151	-10	-0.2%
65.4%	3,987	4,129	142	3.6%
66.7%	3,801	4,024	223	5.9%
67.9%	3,773	3,920	147	3.9%
69.1%	3,738	3,896	157	4.2%
70.4%	3,734	3,843	109	2.9%
71.6%	3,696	3,701	5	0.1%
72.8%	3,688	3,694	5	0.1%
74.1%	3,587	3,452	-135	-3.8%
75.3%	3,585	3,396	-189	-5.3%
76.5%	3,563	3,285	-278	-7.8%
77.8%	3,497	3,169	-328	-9.4%
79.0%	3,491	3,131	-360	-10.3%
80.2%	3,441	3,106	-335	-9.7%
81.5%	3,413	2,967	-445	-13.1%
82.7%	3,382	2,902	-479	-14.2%
84.0%	3,342	2,800	-542	-16.2%
85.2%	3,324	2,704	-620	-18.7%
86.4%	3,263	2,649	-614	-18.8%
87.7%	3,231	2,628	-604	-18.7%
88.9%	3,209	2,623	-586	-18.3%
90.1%	3,122	2,330	-793	-25.4%
91.4%	3,059	2,169	-889	-29.1%
92.6%	3,007	2,159	-848	-28.2%
93.8%	2,861	2,031	-830	-29.0%
95.1%	2,697	1,968	-730	-27.1%
96.3%	2,650	1,542	-1,108	-41.8%
97.5%	1,495	1,486	-9	-0.6%
98.8%	1,000	1,395	395	39.5%
100.0%	750	800	50	6.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,198	12,221	23	0.2%
1.2%	11,117	11,148	31	0.3%
2.5%	10,932	10,907	-24	-0.2%
3.7%	10,891	10,902	10	0.1%
4.9%	10,791	10,738	-53	-0.5%
6.2%	10,697	10,695	-2	0.0%
7.4%	10,656	10,617	-38	-0.4%
8.6%	10,515	10,496	-20	-0.2%
9.9%	10,498	10,316	-182	-1.7%
11.1%	10,348	10,140	-208	-2.0%
12.3%	10,226	10,112	-114	-1.1%
13.6%	10,124	10,111	-13	-0.1%
14.8%	10,113	10,079	-34	-0.3%
16.0%	10,090	9,868	-222	-2.2%
17.3%	10,088	9,814	-274	-2.7%
18.5%	10,071	9,783	-288	-2.9%
19.8%	10,039	9,748	-290	-2.9%
21.0%	9,862	9,736	-126	-1.3%
22.2%	9,824	9,733	-91	-0.9%
23.5%	9,820	9,696	-124	-1.3%
24.7%	9,808	9,696	-112	-1.1%
25.9%	9,800	9,599	-201	-2.1%
27.2%	9,792	9,594	-197	-2.0%
28.4%	9,778	9,556	-222	-2.3%
29.6%	9,752	9,548	-204	-2.1%
30.9%	9,748	9,521	-227	-2.3%
32.1%	9,704	9,432	-272	-2.8%
33.3%	9,642	9,431	-212	-2.2%
34.6%	9,542	9,407	-135	-1.4%
35.8%	9,487	9,288	-199	-2.1%
37.0%	9,416	9,223	-192	-2.0%
38.3%	9,400	9,150	-250	-2.7%
39.5%	9,341	9,095	-245	-2.6%
40.7%	9,146	9,035	-112	-1.2%
42.0%	9,064	9,013	-50	-0.6%
43.2%	9,007	8,967	-40	-0.4%
44.4%	8,977	8,967	-11	-0.1%
45.7%	8,967	8,946	-21	-0.2%
46.9%	8,959	8,822	-137	-1.5%
48.1%	8,933	8,783	-150	-1.7%
49.4%	8,928	8,769	-159	-1.8%
50.6%	8,895	8,706	-190	-2.1%
51.9%	8,844	8,698	-146	-1.7%
53.1%	8,815	8,684	-131	-1.5%
54.3%	8,755	8,518	-237	-2.7%
55.6%	8,746	8,478	-268	-3.1%
56.8%	8,713	8,471	-242	-2.8%
58.0%	8,559	8,284	-275	-3.2%
59.3%	8,548	8,173	-375	-4.4%
60.5%	8,525	8,157	-367	-4.3%
61.7%	8,504	8,147	-357	-4.2%
63.0%	8,466	7,904	-562	-6.6%
64.2%	8,394	7,862	-532	-6.3%
65.4%	8,209	7,755	-454	-5.5%
66.7%	8,179	7,737	-442	-5.4%
67.9%	8,115	7,587	-527	-6.5%
69.1%	8,112	7,500	-613	-7.6%
70.4%	7,976	7,385	-590	-7.4%
71.6%	7,769	7,377	-392	-5.0%
72.8%	7,693	7,356	-337	-4.4%
74.1%	7,613	7,352	-261	-3.4%
75.3%	7,582	7,044	-538	-7.1%
76.5%	7,490	6,987	-503	-6.7%
77.8%	7,171	6,866	-305	-4.2%
79.0%	7,083	6,587	-496	-7.0%
80.2%	6,982	6,575	-407	-5.8%
81.5%	6,874	6,472	-402	-5.8%
82.7%	6,341	6,450	110	1.7%
84.0%	6,319	6,407	88	1.4%
85.2%	6,176	6,270	95	1.5%
86.4%	5,857	6,268	411	7.0%
87.7%	5,690	6,050	360	6.3%
88.9%	5,454	5,945	491	9.0%
90.1%	5,373	5,893	520	9.7%
91.4%	5,306	5,699	394	7.4%
92.6%	5,247	5,610	362	6.9%
93.8%	5,083	5,253	170	3.3%
95.1%	4,749	5,117	368	7.7%
96.3%	4,499	4,873	375	8.3%
97.5%	1,866	4,526	2,660	142.5%
98.8%	1,049	4,153	3,104	295.9%
100.0%	750	1,030	280	37.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,434	9,341	-93	-1.0%
1.2%	9,102	9,336	234	2.6%
2.5%	8,950	8,840	-110	-1.2%
3.7%	8,607	8,820	214	2.5%
4.9%	8,582	8,658	76	0.9%
6.2%	8,566	8,640	75	0.9%
7.4%	8,532	8,563	31	0.4%
8.6%	8,502	8,546	44	0.5%
9.9%	8,449	8,411	-38	-0.5%
11.1%	8,327	8,358	31	0.4%
12.3%	8,313	8,348	35	0.4%
13.6%	8,296	8,289	-7	-0.1%
14.8%	8,256	8,287	30	0.4%
16.0%	8,253	8,199	-54	-0.7%
17.3%	8,129	8,123	-6	-0.1%
18.5%	7,984	8,053	70	0.9%
19.8%	7,955	8,012	57	0.7%
21.0%	7,940	8,006	65	0.8%
22.2%	7,918	7,935	17	0.2%
23.5%	7,909	7,878	-31	-0.4%
24.7%	7,886	7,853	-33	-0.4%
25.9%	7,865	7,824	-41	-0.5%
27.2%	7,859	7,658	-201	-2.6%
28.4%	7,771	7,491	-280	-3.6%
29.6%	7,760	7,488	-272	-3.5%
30.9%	7,744	7,477	-267	-3.4%
32.1%	7,577	7,418	-159	-2.1%
33.3%	7,528	7,343	-185	-2.5%
34.6%	7,395	7,301	-93	-1.3%
35.8%	7,358	7,236	-122	-1.7%
37.0%	7,337	7,222	-115	-1.6%
38.3%	7,308	7,219	-89	-1.2%
39.5%	7,231	7,172	-59	-0.8%
40.7%	7,150	7,081	-69	-1.0%
42.0%	7,104	7,075	-28	-0.4%
43.2%	7,090	7,059	-22	-0.3%
44.4%	6,989	7,057	69	1.0%
45.7%	6,897	7,032	135	2.0%
46.9%	6,890	6,965	75	1.1%
48.1%	6,804	6,900	96	1.4%
49.4%	6,798	6,867	68	1.0%
50.6%	6,796	6,681	-115	-1.7%
51.9%	6,795	6,431	-365	-5.4%
53.1%	6,735	6,378	-357	-5.3%
54.3%	6,663	6,282	-381	-5.7%
55.6%	6,661	6,195	-467	-7.0%
56.8%	6,541	6,049	-491	-7.5%
58.0%	6,468	5,982	-486	-7.5%
59.3%	6,400	5,965	-435	-6.8%
60.5%	6,197	5,913	-284	-4.6%
61.7%	6,172	5,770	-402	-6.5%
63.0%	6,000	5,544	-456	-7.6%
64.2%	5,783	5,374	-408	-7.1%
65.4%	5,404	5,195	-209	-3.9%
66.7%	4,998	5,069	71	1.4%
67.9%	4,794	5,018	224	4.7%
69.1%	4,773	4,943	170	3.6%
70.4%	4,759	4,925	166	3.5%
71.6%	4,729	4,888	159	3.4%
72.8%	4,446	4,865	419	9.4%
74.1%	4,257	4,832	576	13.5%
75.3%	4,064	4,793	729	17.9%
76.5%	3,810	4,694	884	23.2%
77.8%	3,739	4,647	907	24.3%
79.0%	3,632	4,496	864	23.8%
80.2%	3,300	4,418	1,118	33.9%
81.5%	3,300	4,381	1,081	32.8%
82.7%	3,300	4,347	1,047	31.7%
84.0%	3,269	4,213	943	28.9%
85.2%	2,959	3,774	815	27.5%
86.4%	2,553	3,646	1,093	42.8%
87.7%	2,536	3,624	1,088	42.9%
88.9%	2,459	3,541	1,082	44.0%
90.1%	1,943	3,497	1,554	80.0%
91.4%	1,885	3,427	1,543	81.9%
92.6%	1,842	3,028	1,187	64.4%
93.8%	1,711	1,753	42	2.4%
95.1%	1,317	1,413	95	7.2%
96.3%	1,241	1,210	-32	-2.5%
97.5%	1,228	1,202	-27	-2.2%
98.8%	1,190	970	-220	-18.5%
100.0%	750	860	110	14.7%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,642	12,770	128	1.0%
1.2%	12,413	12,644	230	1.9%
2.5%	12,149	12,424	275	2.3%
3.7%	12,020	12,388	368	3.1%
4.9%	11,877	12,074	197	1.7%
6.2%	11,870	11,863	-7	-0.1%
7.4%	11,813	11,856	42	0.4%
8.6%	11,685	11,748	63	0.5%
9.9%	11,526	11,695	169	1.5%
11.1%	11,507	11,666	159	1.4%
12.3%	11,501	11,565	64	0.6%
13.6%	11,405	11,560	155	1.4%
14.8%	11,390	11,423	33	0.3%
16.0%	11,337	11,363	26	0.2%
17.3%	11,110	11,357	246	2.2%
18.5%	11,048	11,326	278	2.5%
19.8%	10,904	11,297	393	3.6%
21.0%	10,673	11,252	579	5.4%
22.2%	10,038	11,001	963	9.6%
23.5%	9,886	10,972	1,086	11.0%
24.7%	9,864	10,651	787	8.0%
25.9%	9,611	10,594	983	10.2%
27.2%	9,321	10,436	1,115	12.0%
28.4%	9,283	9,996	713	7.7%
29.6%	9,283	9,865	582	6.3%
30.9%	9,090	9,643	552	6.1%
32.1%	9,090	9,547	457	5.0%
33.3%	8,888	9,322	434	4.9%
34.6%	8,765	9,295	531	6.1%
35.8%	8,666	9,098	432	5.0%
37.0%	8,460	8,795	335	4.0%
38.3%	8,322	8,750	427	5.1%
39.5%	7,992	8,591	598	7.5%
40.7%	7,605	8,481	876	11.5%
42.0%	7,367	8,382	1,015	13.8%
43.2%	7,298	8,124	826	11.3%
44.4%	7,122	5,859	-1,264	-17.7%
45.7%	6,626	5,790	-836	-12.6%
46.9%	5,496	5,419	-77	-1.4%
48.1%	5,244	5,346	101	1.9%
49.4%	5,135	5,245	110	2.1%
50.6%	5,093	5,116	22	0.4%
51.9%	4,966	5,027	61	1.2%
53.1%	4,942	4,976	34	0.7%
54.3%	4,928	4,854	-74	-1.5%
55.6%	4,903	4,829	-74	-1.5%
56.8%	4,885	4,766	-119	-2.4%
58.0%	4,779	4,749	-30	-0.6%
59.3%	4,777	4,639	-138	-2.9%
60.5%	4,757	4,639	-119	-2.5%
61.7%	4,681	4,483	-198	-4.2%
63.0%	4,623	4,366	-258	-5.6%
64.2%	4,537	4,350	-186	-4.1%
65.4%	4,407	4,340	-67	-1.5%
66.7%	4,290	4,315	26	0.6%
67.9%	4,289	4,274	-14	-0.3%
69.1%	4,270	4,187	-82	-1.9%
70.4%	4,223	4,170	-54	-1.3%
71.6%	4,013	3,963	-50	-1.3%
72.8%	3,962	3,959	-3	-0.1%
74.1%	3,922	3,956	34	0.9%
75.3%	3,569	3,926	357	10.0%
76.5%	3,329	3,925	596	17.9%
77.8%	3,169	3,908	738	23.3%
79.0%	3,036	3,907	870	28.7%
80.2%	2,960	3,703	743	25.1%
81.5%	2,940	3,665	725	24.6%
82.7%	2,657	3,657	999	37.6%
84.0%	2,627	3,380	753	28.6%
85.2%	2,569	3,339	770	30.0%
86.4%	2,566	3,198	632	24.6%
87.7%	2,565	2,626	61	2.4%
88.9%	2,564	2,568	4	0.2%
90.1%	2,562	2,568	6	0.2%
91.4%	2,557	2,563	6	0.2%
92.6%	2,525	2,558	33	1.3%
93.8%	2,473	1,493	-980	-39.6%
95.1%	1,493	1,225	-268	-17.9%
96.3%	1,199	1,183	-16	-1.3%
97.5%	1,183	1,117	-66	-5.6%
98.8%	1,060	1,060	0	0.0%
100.0%	992	1,060	68	6.9%

Table SW-24-9a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	477	435	448	466	487	594	719	840	810	666	582	496
Alternative D	501	454	460	475	495	600	722	839	814	689	603	524
Difference	24	20	12	9	8	6	3	0	5	22	21	28
Percent Difference[3]	5.1%	4.6%	2.8%	1.9%	1.6%	0.9%	0.4%	-0.1%	0.6%	3.4%	3.6%	5.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	590	505	505	520	505	634	792	964	961	867	762	600
Alternative D	613	523	516	521	506	635	792	964	962	879	768	632
Difference	23	17	10	1	1	0	0	0	1	12	7	32
Percent Difference	3.9%	3.4%	2.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.1%	1.3%	0.9%	5.3%
Above Normal (15%)												
No Action Alternative	528	474	492	516	533	649	796	966	939	744	662	559
Alternative D	555	498	506	524	536	649	796	966	938	761	680	586
Difference	27	24	14	9	3	0	0	0	0	16	18	27
Percent Difference	5.1%	5.1%	2.9%	1.7%	0.6%	0.0%	0.0%	0.0%	0.0%	2.2%	2.7%	4.9%
Below Normal (17%)												
No Action Alternative	558	508	504	500	538	635	787	928	907	685	610	565
Alternative D	575	520	515	504	546	641	787	924	904	724	643	583
Difference	17	12	11	4	8	7	0	-4	-4	39	33	19
Percent Difference	3.0%	2.3%	2.2%	0.9%	1.6%	1.1%	-0.1%	-0.5%	-0.4%	5.8%	5.4%	3.3%
Dry (22%)												
No Action Alternative	390	396	410	430	495	601	704	777	708	541	451	420
Alternative D	429	426	424	451	513	614	716	786	726	572	488	459
Difference	38	31	14	21	18	13	12	9	18	31	37	38
Percent Difference	9.8%	7.8%	3.5%	4.9%	3.6%	2.2%	1.7%	1.2%	2.6%	5.8%	8.2%	9.1%
Critical (15%)												
No Action Alternative	215	215	269	316	334	396	425	437	391	321	274	239
Alternative D	228	229	283	328	346	406	427	425	399	340	291	257
Difference	13	14	13	12	12	10	2	-12	8	19	17	18
Percent Difference	6.2%	6.7%	5.0%	3.9%	3.6%	2.4%	0.5%	-2.8%	2.0%	6.0%	6.2%	7.7%

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-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

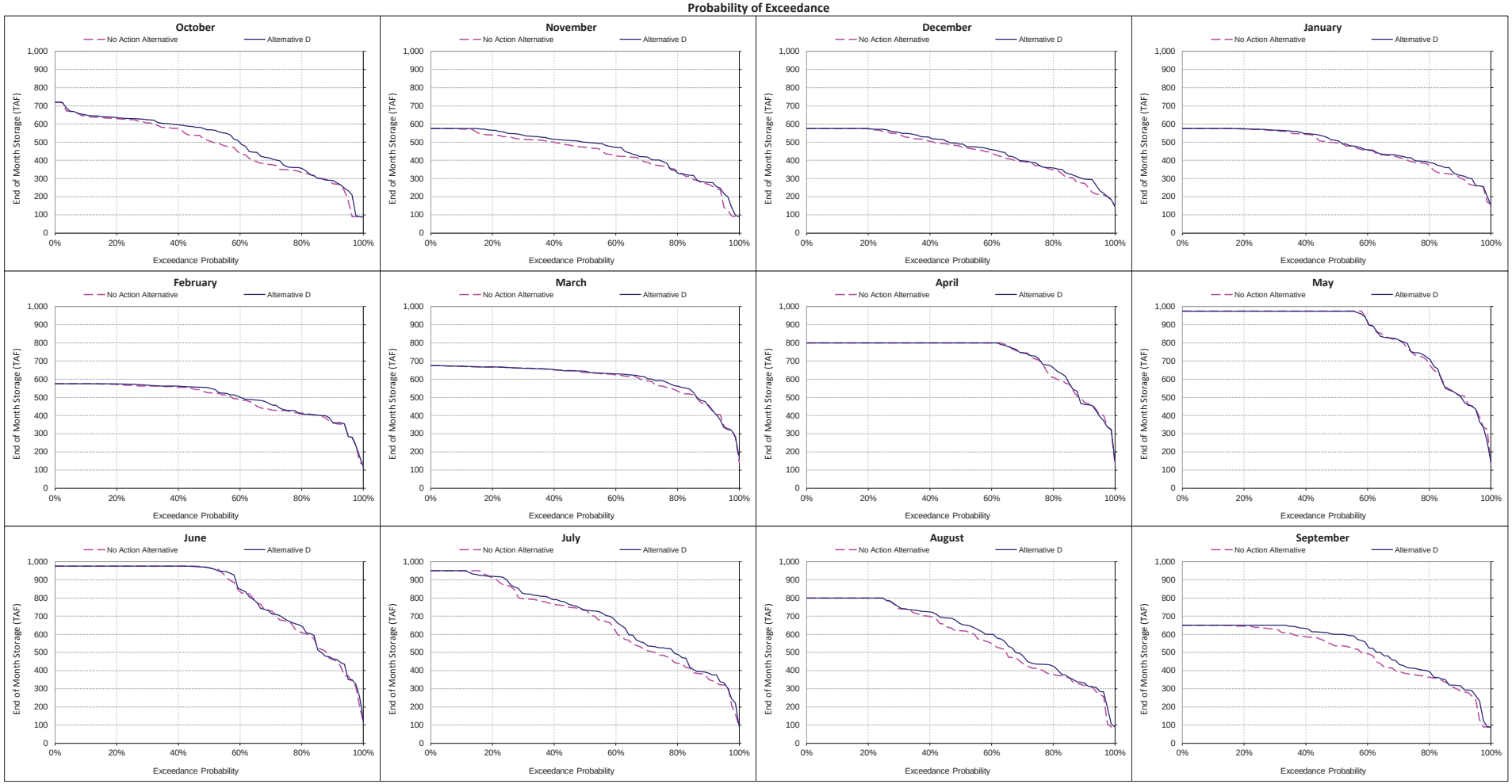

Table SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	720	720	0	0.0%
1.2%	720	720	0	0.0%
2.5%	718	718	0	0.0%
3.7%	671	688	17	2.5%
4.9%	670	670	0	0.0%
6.2%	668	668	0	0.0%
7.4%	659	659	0	0.0%
8.6%	646	655	9	1.3%
9.9%	645	651	6	1.0%
11.1%	639	647	7	1.2%
12.3%	638	645	7	1.0%
13.6%	638	644	6	0.9%
14.8%	638	642	4	0.7%
16.0%	634	640	5	0.8%
17.3%	633	639	6	1.0%
18.5%	631	637	6	1.0%
19.8%	630	636	6	1.0%
21.0%	628	634	7	1.1%
22.2%	626	631	5	0.8%
23.5%	624	631	7	1.2%
24.7%	624	630	7	1.0%
25.9%	623	630	7	1.1%
27.2%	615	628	13	2.1%
28.4%	613	626	13	2.2%
29.6%	605	625	19	3.2%
30.9%	605	623	18	2.9%
32.1%	599	621	21	3.6%
33.3%	592	608	16	2.7%
34.6%	581	605	24	4.1%
35.8%	581	604	23	4.0%
37.0%	579	600	22	3.7%
38.3%	577	600	23	4.0%
39.5%	576	596	20	3.4%
40.7%	574	593	19	3.3%
42.0%	551	592	40	7.3%
43.2%	540	588	47	8.7%
44.4%	539	587	47	8.7%
45.7%	538	582	44	8.2%
46.9%	537	582	45	8.4%
48.1%	518	575	57	11.0%
49.4%	510	569	58	11.4%
50.6%	504	568	64	12.7%
51.9%	496	565	69	14.0%
53.1%	494	557	63	12.8%
54.3%	485	552	68	14.0%
55.6%	477	549	72	15.1%
56.8%	473	541	68	14.3%
58.0%	471	517	46	9.7%
59.3%	446	510	64	14.2%
60.5%	433	487	55	12.6%
61.7%	430	478	48	11.2%
63.0%	411	448	38	9.2%
64.2%	400	446	46	11.5%
65.4%	393	444	51	13.0%
66.7%	384	422	38	10.0%
67.9%	382	417	35	9.1%
69.1%	378	415	37	9.8%
70.4%	376	408	32	8.6%
71.6%	372	402	30	7.9%
72.8%	350	397	47	13.5%
74.1%	350	374	24	6.9%
75.3%	348	365	17	4.8%
76.5%	347	362	15	4.3%
77.8%	345	360	15	4.4%
79.0%	339	360	21	6.2%
80.2%	331	353	22	6.6%
81.5%	328	341	13	4.0%
82.7%	323	321	-2	-0.7%
84.0%	315	316	1	0.3%
85.2%	303	300	-3	-1.0%
86.4%	298	300	2	0.6%
87.7%	297	292	-5	-1.7%
88.9%	288	291	3	1.0%
90.1%	270	289	18	6.8%
91.4%	269	276	7	2.8%
92.6%	267	266	-1	-0.2%
93.8%	232	247	15	6.4%
95.1%	177	233	56	31.8%
96.3%	90	210	120	133.3%
97.5%	90	97	7	7.3%
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 D 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%	572	575	3	0.5%
11.1%	572	575	3	0.5%
12.3%	571	575	4	0.7%
13.6%	570	575	5	0.9%
14.8%	556	575	19	3.5%
16.0%	547	572	25	4.6%
17.3%	543	572	29	5.3%
18.5%	541	568	27	5.1%
19.8%	540	566	25	4.7%
21.0%	539	566	26	4.9%
22.2%	537	559	22	4.1%
23.5%	531	557	26	4.9%
24.7%	530	550	20	3.8%
25.9%	528	547	19	3.6%
27.2%	522	547	25	4.7%
28.4%	517	544	26	5.1%
29.6%	517	540	24	4.6%
30.9%	516	534	18	3.6%
32.1%	513	533	19	3.8%
33.3%	513	532	18	3.6%
34.6%	512	531	19	3.7%
35.8%	511	528	18	3.5%
37.0%	508	526	18	3.6%
38.3%	502	521	19	3.8%
39.5%	501	516	15	3.0%
40.7%	497	515	18	3.7%
42.0%	495	514	19	3.8%
43.2%	487	511	24	5.0%
44.4%	486	511	25	5.2%
45.7%	481	509	28	5.8%
46.9%	478	508	31	6.4%
48.1%	474	505	31	6.6%
49.4%	473	499	27	5.7%
50.6%	472	499	27	5.8%
51.9%	468	497	29	6.1%
53.1%	466	496	30	6.4%
54.3%	465	493	28	6.0%
55.6%	448	491	43	9.7%
56.8%	436	482	46	10.7%
58.0%	433	477	44	10.2%
59.3%	433	473	41	9.5%
60.5%	424	470	47	11.0%
61.7%	422	470	48	11.4%
63.0%	421	448	27	6.3%
64.2%	419	443	23	5.6%
65.4%	417	434	17	4.1%
66.7%	416	429	13	3.1%
67.9%	407	421	14	3.4%
69.1%	393	421	28	7.1%
70.4%	390	417	27	6.9%
71.6%	377	404	27	7.1%
72.8%	373	403	29	7.8%
74.1%	372	402	30	8.0%
75.3%	369	392	23	6.3%
76.5%	366	384	18	5.0%
77.8%	354	349	-5	-1.5%
79.0%	351	345	-6	-1.7%
80.2%	336	328	-8	-2.3%
81.5%	326	327	1	0.4%
82.7%	312	321	9	3.0%
84.0%	311	319	7	2.4%
85.2%	294	317	23	7.8%
86.4%	290	289	0	-0.1%
87.7%	278	283	5	2.0%
88.9%	272	280	8	3.1%
90.1%	268	278	10	3.8%
91.4%	256	278	21	8.3%
92.6%	247	256	9	3.5%
93.8%	237	247	10	4.2%
95.1%	141	216	75	53.4%
96.3%	124	199	75	61.0%
97.5%	94	141	47	50.5%
98.8%	90	98	8	8.4%
100.0%	90	90	0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	572	0	0.0%
22.2%	567	572	4	0.8%
23.5%	567	571	4	0.7%
24.7%	560	570	10	1.8%
25.9%	558	569	11	1.9%
27.2%	551	561	11	1.9%
28.4%	549	558	9	1.6%
29.6%	548	556	8	1.4%
30.9%	536	549	13	2.4%
32.1%	528	549	21	3.9%
33.3%	527	547	20	3.8%
34.6%	520	543	24	4.6%
35.8%	518	539	21	4.1%
37.0%	518	531	13	2.5%
38.3%	515	529	13	2.6%
39.5%	507	528	22	4.3%
40.7%	502	518	16	3.3%
42.0%	495	518	23	4.6%
43.2%	493	515	22	4.5%
44.4%	493	514	20	4.1%
45.7%	490	502	12	2.5%
46.9%	485	495	10	2.1%
48.1%	483	495	13	2.6%
49.4%	481	490	9	1.9%
50.6%	470	490	20	4.2%
51.9%	469	476	6	1.4%
53.1%	464	475	10	2.2%
54.3%	462	475	12	2.6%
55.6%	457	473	16	3.5%
56.8%	455	471	16	3.5%
58.0%	448	468	20	4.5%
59.3%	446	461	15	3.3%
60.5%	436	458	22	5.1%
61.7%	427	453	27	6.2%
63.0%	421	447	25	6.0%
64.2%	414	444	30	7.4%
65.4%	409	422	13	3.1%
66.7%	404	422	17	4.3%
67.9%	396	412	16	4.0%
69.1%	395	400	5	1.3%
70.4%	394	396	2	0.5%
71.6%	389	395	6	1.5%
72.8%	388	390	2	0.5%
74.1%	372	388	16	4.4%
75.3%	371	374	4	1.0%
76.5%	367	363	-4	-1.2%
77.8%	358	360	2	0.6%
79.0%	352	360	8	2.2%
80.2%	345	358	13	3.6%
81.5%	343	352	8	2.4%
82.7%	329	350	21	6.5%
84.0%	308	332	24	7.7%
85.2%	305	325	20	6.7%
86.4%	302	319	17	5.6%
87.7%	277	310	33	11.7%
88.9%	277	303	27	9.6%
90.1%	273	297	24	8.9%
91.4%	250	296	46	18.6%
92.6%	224	294	71	31.5%
93.8%	215	264	50	23.1%
95.1%	213	233	21	9.7%
96.3%	210	219	9	4.3%
97.5%	203	200	-3	-1.6%
98.8%	186	184	-2	-1.2%
100.0%	146	146	0	0.0%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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%	574	575	1	0.2%
19.8%	574	574	0	0.0%
21.0%	572	572	0	0.0%
22.2%	571	571	0	0.1%
23.5%	571	571	0	0.0%
24.7%	571	571	0	0.0%
25.9%	570	571	1	0.2%
27.2%	568	570	2	0.4%
28.4%	566	568	2	0.4%
29.6%	564	567	3	0.6%
30.9%	562	566	4	0.7%
32.1%	560	566	6	1.1%
33.3%	560	564	4	0.7%
34.6%	554	562	8	1.4%
35.8%	547	560	13	2.3%
37.0%	547	560	13	2.4%
38.3%	545	554	9	1.6%
39.5%	544	547	3	0.6%
40.7%	543	547	4	0.7%
42.0%	540	544	4	0.8%
43.2%	527	543	16	3.1%
44.4%	507	538	32	6.3%
45.7%	505	534	29	5.8%
46.9%	502	527	25	5.1%
48.1%	500	513	13	2.6%
49.4%	498	512	13	2.7%
50.6%	494	507	13	2.6%
51.9%	492	492	0	0.0%
53.1%	479	490	11	2.3%
54.3%	479	480	1	0.2%
55.6%	478	479	1	0.2%
56.8%	465	475	11	2.3%
58.0%	460	468	8	1.8%
59.3%	456	460	4	0.9%
60.5%	454	458	3	0.7%
61.7%	452	457	5	1.0%
63.0%	437	444	7	1.6%
64.2%	431	436	5	1.1%
65.4%	430	433	3	0.8%
66.7%	428	432	4	1.0%
67.9%	426	431	5	1.1%
69.1%	422	430	8	1.9%
70.4%	415	424	9	2.1%
71.6%	412	422	10	2.5%
72.8%	400	415	15	3.8%
74.1%	394	414	20	5.2%
75.3%	390	399	9	2.2%
76.5%	387	397	10	2.5%
77.8%	385	395	10	2.7%
79.0%	384	394	10	2.5%
80.2%	366	387	21	5.8%
81.5%	345	384	39	11.4%
82.7%	333	373	39	11.8%
84.0%	330	368	38	11.5%
85.2%	328	360	32	9.8%
86.4%	325	360	35	10.8%
87.7%	323	334	11	3.3%
88.9%	317	322	5	1.6%
90.1%	303	317	15	4.9%
91.4%	294	313	19	6.3%
92.6%	272	303	31	11.3%
93.8%	263	299	36	13.5%
95.1%	263	260	-3	-1.0%
96.3%	261	259	-2	-0.8%
97.5%	254	255	2	0.7%
98.8%	172	203	30	17.5%
100.0%	159	149	-10	-6.6%

Table SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	575	3	0.5%
19.8%	572	574	2	0.3%
21.0%	570	574	4	0.7%
22.2%	568	574	6	1.0%
23.5%	566	573	7	1.2%
24.7%	566	572	6	1.1%
25.9%	566	572	6	1.1%
27.2%	563	570	7	1.2%
28.4%	563	570	7	1.2%
29.6%	563	568	5	0.9%
30.9%	563	566	3	0.5%
32.1%	562	566	4	0.7%
33.3%	562	563	1	0.2%
34.6%	560	563	3	0.5%
35.8%	559	563	4	0.7%
37.0%	559	563	4	0.7%
38.3%	559	562	3	0.5%
39.5%	556	562	6	1.1%
40.7%	556	560	4	0.8%
42.0%	555	560	5	0.9%
43.2%	554	559	5	0.9%
44.4%	548	559	11	2.0%
45.7%	544	556	12	2.3%
46.9%	543	556	13	2.4%
48.1%	533	555	22	4.2%
49.4%	526	554	28	5.3%
50.6%	525	548	23	4.4%
51.9%	524	543	19	3.6%
53.1%	522	526	4	0.8%
54.3%	514	524	10	2.0%
55.6%	513	522	9	1.7%
56.8%	504	513	9	1.8%
58.0%	493	513	20	4.1%
59.3%	491	506	16	3.2%
60.5%	484	496	12	2.6%
61.7%	484	490	6	1.2%
63.0%	478	489	11	2.3%
64.2%	471	487	16	3.4%
65.4%	451	484	33	7.4%
66.7%	443	484	41	9.3%
67.9%	437	478	41	9.4%
69.1%	435	468	33	7.6%
70.4%	430	458	29	6.7%
71.6%	429	456	27	6.3%
72.8%	429	441	12	2.9%
74.1%	427	433	6	1.4%
75.3%	427	429	2	0.5%
76.5%	417	429	12	2.8%
77.8%	416	427	11	2.6%
79.0%	416	412	-4	-1.0%
80.2%	413	408	-4	-1.0%
81.5%	412	408	-4	-1.0%
82.7%	408	407	-1	-0.4%
84.0%	404	404	0	0.0%
85.2%	400	404	4	0.9%
86.4%	400	400	0	0.1%
87.7%	386	400	13	3.5%
88.9%	370	388	19	5.1%
90.1%	359	360	1	0.3%
91.4%	355	360	5	1.5%
92.6%	353	360	7	2.0%
93.8%	350	355	5	1.3%
95.1%	289	285	-4	-1.4%
96.3%	281	281	0	0.0%
97.5%	236	234	-2	-0.9%
98.8%	144	174	30	20.7%
100.0%	127	116	-11	-8.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	662	0	0.0%
28.4%	662	662	0	0.0%
29.6%	661	661	0	0.0%
30.9%	660	661	1	0.1%
32.1%	660	660	0	0.0%
33.3%	659	659	0	0.0%
34.6%	658	658	0	0.0%
35.8%	657	657	0	0.0%
37.0%	656	656	0	0.0%
38.3%	656	656	0	0.0%
39.5%	653	653	0	0.0%
40.7%	650	651	1	0.2%
42.0%	650	650	0	0.0%
43.2%	647	647	0	0.0%
44.4%	647	647	0	0.0%
45.7%	647	647	0	0.0%
46.9%	646	646	0	0.0%
48.1%	645	645	0	0.0%
49.4%	637	645	8	1.3%
50.6%	636	643	6	1.0%
51.9%	634	637	3	0.5%
53.1%	634	636	2	0.3%
54.3%	633	635	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	627	11	1.7%
64.2%	615	625	10	1.6%
65.4%	615	622	7	1.2%
66.7%	612	621	9	1.4%
67.9%	600	615	15	2.5%
69.1%	592	615	23	3.9%
70.4%	590	602	12	2.0%
71.6%	588	600	12	2.0%
72.8%	566	592	26	4.6%
74.1%	564	592	28	5.0%
75.3%	561	590	29	5.2%
76.5%	554	582	28	5.0%
77.8%	551	573	22	4.0%
79.0%	542	564	22	4.1%
80.2%	533	561	28	5.3%
81.5%	520	554	34	6.5%
82.7%	520	551	32	6.1%
84.0%	519	546	26	5.1%
85.2%	512	526	14	2.7%
86.4%	492	496	4	0.8%
87.7%	470	484	14	2.9%
88.9%	464	477	13	2.8%
90.1%	456	449	-6	-1.4%
91.4%	428	426	-2	-0.5%
92.6%	406	405	-1	-0.2%
93.8%	405	376	-29	-7.1%
95.1%	341	333	-8	-2.3%
96.3%	328	324	-4	-1.2%
97.5%	322	319	-3	-0.9%
98.8%	282	280	-2	-0.7%
100.0%	141	171	30	20.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	792	-8	-1.0%
64.2%	792	785	-6	-0.8%
65.4%	785	779	-6	-0.8%
66.7%	766	770	5	0.6%
67.9%	757	765	8	1.1%
69.1%	747	746	0	0.0%
70.4%	745	744	-1	-0.1%
71.6%	744	739	-6	-0.8%
72.8%	718	728	10	1.4%
74.1%	712	727	15	2.2%
75.3%	705	712	7	1.0%
76.5%	684	683	-1	-0.1%
77.8%	645	679	34	5.2%
79.0%	615	676	61	9.9%
80.2%	607	659	52	8.6%
81.5%	597	640	43	7.2%
82.7%	596	631	35	5.9%
84.0%	578	615	38	6.6%
85.2%	572	575	3	0.6%
86.4%	536	544	8	1.6%
87.7%	506	534	28	5.6%
88.9%	497	467	-29	-5.9%
90.1%	472	460	-12	-2.4%
91.4%	464	459	-5	-1.1%
92.6%	460	455	-5	-1.1%
93.8%	434	427	-6	-1.4%
95.1%	403	395	-8	-1.9%
96.3%	400	371	-28	-7.1%
97.5%	339	337	-2	-0.6%
98.8%	322	322	0	0.0%
100.0%	128	148	20	15.5%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	975	0	0.0%
46.9%	975	975	0	0.0%
48.1%	975	975	0	0.0%
49.4%	975	975	0	0.0%
50.6%	975	975	0	0.0%
51.9%	975	975	0	0.0%
53.1%	975	975	0	0.0%
54.3%	975	975	0	0.0%
55.6%	975	975	0	0.0%
56.8%	975	966	-9	-0.9%
58.0%	975	960	-15	-1.6%
59.3%	943	942	-1	-0.1%
60.5%	898	898	0	0.0%
61.7%	893	893	0	-0.1%
63.0%	857	865	9	1.0%
64.2%	854	837	-17	-2.0%
65.4%	837	831	-6	-0.7%
66.7%	830	828	-2	-0.2%
67.9%	821	826	5	0.6%
69.1%	820	823	3	0.4%
70.4%	813	814	1	0.2%
71.6%	800	805	6	0.7%
72.8%	770	797	27	3.5%
74.1%	752	752	0	0.0%
75.3%	733	746	13	1.8%
76.5%	730	745	15	2.0%
77.8%	723	737	14	2.0%
79.0%	708	724	15	2.2%
80.2%	678	708	31	4.6%
81.5%	649	670	21	3.3%
82.7%	638	657	20	3.1%
84.0%	608	596	-12	-2.0%
85.2%	560	551	-10	-1.7%
86.4%	547	540	-8	-1.4%
87.7%	534	533	-1	-0.2%
88.9%	522	520	-2	-0.4%
90.1%	509	505	-4	-0.8%
91.4%	508	473	-35	-6.9%
92.6%	464	457	-7	-1.4%
93.8%	451	453	2	0.5%
95.1%	437	435	-2	-0.5%
96.3%	393	365	-28	-7.1%
97.5%	337	335	-2	-0.5%
98.8%	325	256	-69	-21.3%
100.0%	135	142	7	5.0%

Table SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	973	-1	-0.1%
46.9%	974	971	-4	-0.4%
48.1%	973	970	-4	-0.4%
49.4%	969	969	0	0.0%
50.6%	964	963	-1	-0.1%
51.9%	960	957	-2	-0.2%
53.1%	957	948	-10	-1.0%
54.3%	937	947	10	1.1%
55.6%	914	944	31	3.3%
56.8%	895	937	42	4.7%
58.0%	885	926	41	4.6%
59.3%	845	856	11	1.3%
60.5%	828	845	17	2.0%
61.7%	827	835	8	1.0%
63.0%	823	807	-16	-2.0%
64.2%	798	793	-5	-0.6%
65.4%	771	776	4	0.6%
66.7%	766	742	-24	-3.1%
67.9%	735	738	3	0.4%
69.1%	733	729	-4	-0.5%
70.4%	726	712	-14	-2.0%
71.6%	703	710	7	1.0%
72.8%	679	703	24	3.5%
74.1%	676	689	13	1.9%
75.3%	667	676	9	1.3%
76.5%	661	666	5	0.8%
77.8%	628	658	29	4.7%
79.0%	614	653	39	6.3%
80.2%	608	642	34	5.6%
81.5%	600	608	7	1.2%
82.7%	595	605	10	1.7%
84.0%	576	594	17	3.0%
85.2%	524	514	-11	-2.0%
86.4%	517	499	-18	-3.5%
87.7%	507	479	-28	-5.5%
88.9%	468	476	9	1.9%
90.1%	461	464	3	0.6%
91.4%	451	461	10	2.3%
92.6%	423	444	21	5.0%
93.8%	371	435	64	17.2%
95.1%	370	350	-20	-5.3%
96.3%	338	349	11	3.2%
97.5%	311	325	14	4.5%
98.8%	201	255	54	27.0%
100.0%	113	119	6	5.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	942	-8	-0.8%
13.6%	950	932	-18	-1.9%
14.8%	950	929	-21	-2.2%
16.0%	950	924	-26	-2.7%
17.3%	933	924	-9	-0.9%
18.5%	924	919	-5	-0.5%
19.8%	913	919	7	0.7%
21.0%	908	918	10	1.2%
22.2%	886	917	31	3.5%
23.5%	874	914	41	4.6%
24.7%	871	900	29	3.4%
25.9%	864	872	8	0.9%
27.2%	845	861	16	1.9%
28.4%	802	852	50	6.2%
29.6%	797	828	31	3.8%
30.9%	795	822	27	3.5%
32.1%	794	822	28	3.5%
33.3%	792	816	24	3.0%
34.6%	788	814	26	3.4%
35.8%	782	810	28	3.5%
37.0%	780	809	29	3.7%
38.3%	771	802	31	4.0%
39.5%	769	792	22	2.9%
40.7%	763	791	28	3.7%
42.0%	760	783	23	3.0%
43.2%	759	780	21	2.7%
44.4%	748	767	19	2.5%
45.7%	747	760	13	1.8%
46.9%	746	756	10	1.3%
48.1%	737	746	9	1.3%
49.4%	733	737	4	0.5%
50.6%	731	733	2	0.2%
51.9%	703	730	27	3.9%
53.1%	700	728	28	4.1%
54.3%	679	726	47	7.0%
55.6%	679	717	39	5.7%
56.8%	669	703	35	5.2%
58.0%	663	700	37	5.5%
59.3%	636	687	51	8.1%
60.5%	600	663	63	10.5%
61.7%	588	648	60	10.2%
63.0%	571	634	63	11.0%
64.2%	568	597	30	5.3%
65.4%	542	596	54	9.9%
66.7%	539	567	28	5.3%
67.9%	532	559	27	5.2%
69.1%	519	552	33	6.3%
70.4%	509	535	26	5.1%
71.6%	505	535	29	5.8%
72.8%	497	531	34	6.8%
74.1%	485	525	40	8.3%
75.3%	484	525	41	8.4%
76.5%	476	522	45	9.5%
77.8%	466	521	55	11.8%
79.0%	444	496	52	11.7%
80.2%	440	488	48	11.0%
81.5%	438	471	33	7.6%
82.7%	417	469	52	12.5%
84.0%	415	420	5	1.3%
85.2%	389	406	17	4.3%
86.4%	384	395	11	2.9%
87.7%	383	394	11	3.0%
88.9%	379	392	13	3.4%
90.1%	351	386	35	10.0%
91.4%	344	376	33	9.5%
92.6%	332	376	43	13.0%
93.8%	321	339	18	5.5%
95.1%	321	333	12	3.8%
96.3%	318	303	-15	-4.8%
97.5%	209	245	37	17.5%
98.8%	159	221	63	39.5%
100.0%	90	90	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	786	-5	-0.6%
27.2%	781	783	2	0.3%
28.4%	765	768	2	0.3%
29.6%	742	753	12	1.6%
30.9%	741	740	-1	-0.1%
32.1%	739	739	0	0.0%
33.3%	738	736	-2	-0.2%
34.6%	719	734	15	2.1%
35.8%	714	732	18	2.5%
37.0%	706	727	21	3.0%
38.3%	701	726	25	3.5%
39.5%	700	725	25	3.6%
40.7%	696	721	24	3.5%
42.0%	688	712	24	3.5%
43.2%	660	694	34	5.2%
44.4%	657	692	35	5.3%
45.7%	640	690	50	7.8%
46.9%	634	689	55	8.7%
48.1%	620	680	60	9.6%
49.4%	620	663	43	7.0%
50.6%	618	653	34	5.6%
51.9%	618	650	32	5.3%
53.1%	608	646	38	6.3%
54.3%	603	636	33	5.6%
55.6%	574	625	51	8.8%
56.8%	573	615	42	7.3%
58.0%	562	600	38	6.8%
59.3%	556	600	44	7.9%
60.5%	543	600	57	10.6%
61.7%	528	579	52	9.8%
63.0%	523	574	51	9.8%
64.2%	517	563	45	8.7%
65.4%	474	534	60	12.7%
66.7%	472	525	53	11.2%
67.9%	472	498	27	5.7%
69.1%	452	496	44	9.7%
70.4%	436	477	41	9.4%
71.6%	426	450	24	5.6%
72.8%	415	442	26	6.4%
74.1%	412	436	24	5.9%
75.3%	409	436	27	6.5%
76.5%	401	435	34	8.5%
77.8%	387	434	47	12.1%
79.0%	381	430	49	13.0%
80.2%	378	422	45	11.8%
81.5%	374	401	28	7.4%
82.7%	371	380	9	2.3%
84.0%	365	375	10	2.8%
85.2%	361	361	0	0.0%
86.4%	336	350	15	4.4%
87.7%	330	338	8	2.4%
88.9%	324	336	12	3.8%
90.1%	319	331	12	3.8%
91.4%	318	313	-5	-1.6%
92.6%	312	310	-2	-0.8%
93.8%	283	308	25	8.9%
95.1%	269	285	17	6.2%
96.3%	257	282	25	9.8%
97.5%	106	197	91	86.5%
98.8%	90	106	16	17.7%
100.0%	90	90	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D 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	650	6	0.9%
23.5%	638	650	12	1.8%
24.7%	638	650	12	1.9%
25.9%	637	650	13	2.0%
27.2%	633	650	17	2.6%
28.4%	630	650	20	3.2%
29.6%	629	650	21	3.3%
30.9%	625	650	25	3.9%
32.1%	610	650	40	6.5%
33.3%	609	650	41	6.7%
34.6%	608	645	37	6.1%
35.8%	600	644	44	7.4%
37.0%	593	640	47	8.0%
38.3%	591	635	43	7.3%
39.5%	589	633	45	7.6%
40.7%	585	630	45	7.7%
42.0%	584	614	30	5.2%
43.2%	584	614	31	5.2%
44.4%	575	613	38	6.7%
45.7%	567	611	44	7.9%
46.9%	555	609	54	9.7%
48.1%	547	603	55	10.1%
49.4%	537	600	63	11.8%
50.6%	537	600	63	11.8%
51.9%	536	600	64	11.9%
53.1%	534	597	63	11.7%
54.3%	528	593	66	12.4%
55.6%	520	591	71	13.6%
56.8%	518	572	53	10.3%
58.0%	498	566	68	13.6%
59.3%	494	557	63	12.8%
60.5%	492	524	33	6.7%
61.7%	482	523	40	8.3%
63.0%	448	501	53	11.7%
64.2%	437	500	63	14.4%
65.4%	420	481	61	14.6%
66.7%	416	481	65	15.7%
67.9%	415	460	45	10.7%
69.1%	399	455	56	14.1%
70.4%	395	433	38	9.5%
71.6%	387	427	40	10.3%
72.8%	383	417	34	8.8%
74.1%	379	413	34	9.0%
75.3%	377	413	36	9.5%
76.5%	373	407	34	9.1%
77.8%	371	403	32	8.6%
79.0%	365	401	36	10.0%
80.2%	364	391	28	7.6%
81.5%	360	364	4	1.2%
82.7%	357	362	4	1.2%
84.0%	348	355	8	2.2%
85.2%	336	349	13	3.8%
86.4%	325	320	-5	-1.5%
87.7%	309	320	11	3.5%
88.9%	300	319	19	6.3%
90.1%	287	317	30	10.5%
91.4%	283	293	11	3.7%
92.6%	280	292	12	4.3%
93.8%	260	289	29	11.3%
95.1%	243	262	19	7.7%
96.3%	129	232	102	79.2%
97.5%	90	125	35	39.2%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

Table SW-25-9a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	410	404	407	410	413	426	439	451	448	432	422	412
Alternative D	413	408	409	411	414	427	440	451	449	435	425	416
Difference	4	3	2	1	1	1	0	0	1	3	3	4
Percent Difference[3]	0.9%	0.7%	0.4%	0.3%	0.2%	0.2%	0.1%	0.0%	0.1%	0.6%	0.7%	1.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	426	416	416	417	416	432	448	465	464	455	445	427
Alternative D	429	418	417	418	416	432	448	465	465	456	446	431
Difference	3	2	1	0	0	0	0	0	0	1	1	4
Percent Difference	0.7%	0.5%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.2%	0.9%
Above Normal (15%)												
No Action Alternative	418	412	414	417	419	433	448	465	462	443	434	422
Alternative D	422	415	416	418	419	433	448	465	462	445	436	426
Difference	3	3	2	1	0	0	0	0	0	2	2	3
Percent Difference	0.8%	0.7%	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.5%	0.8%
Below Normal (17%)												
No Action Alternative	422	416	415	415	420	432	448	461	459	436	428	423
Alternative D	424	417	416	415	421	432	448	461	459	441	432	425
Difference	2	2	2	1	1	1	0	0	0	4	4	2
Percent Difference	0.5%	0.4%	0.4%	0.2%	0.2%	0.2%	0.0%	-0.1%	-0.1%	1.0%	0.9%	0.6%
Dry (22%)												
No Action Alternative	400	401	403	406	414	428	439	446	439	419	408	404
Alternative D	405	405	405	408	417	429	440	447	441	423	413	409
Difference	5	4	2	3	2	2	1	1	2	4	5	5
Percent Difference	1.3%	1.0%	0.5%	0.7%	0.5%	0.4%	0.3%	0.2%	0.5%	0.9%	1.2%	1.3%
Critical (15%)												
No Action Alternative	365	365	379	388	390	400	403	405	398	387	377	370
Alternative D	369	370	382	390	391	401	404	403	399	391	382	375
Difference	4	5	3	2	2	2	1	-2	2	4	4	5
Percent Difference	1.2%	1.4%	0.8%	0.6%	0.4%	0.4%	0.1%	-0.4%	0.4%	0.9%	1.1%	1.3%

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-25-9b
Folsom Lake, End of Month Elevation
Probability of Exceedance

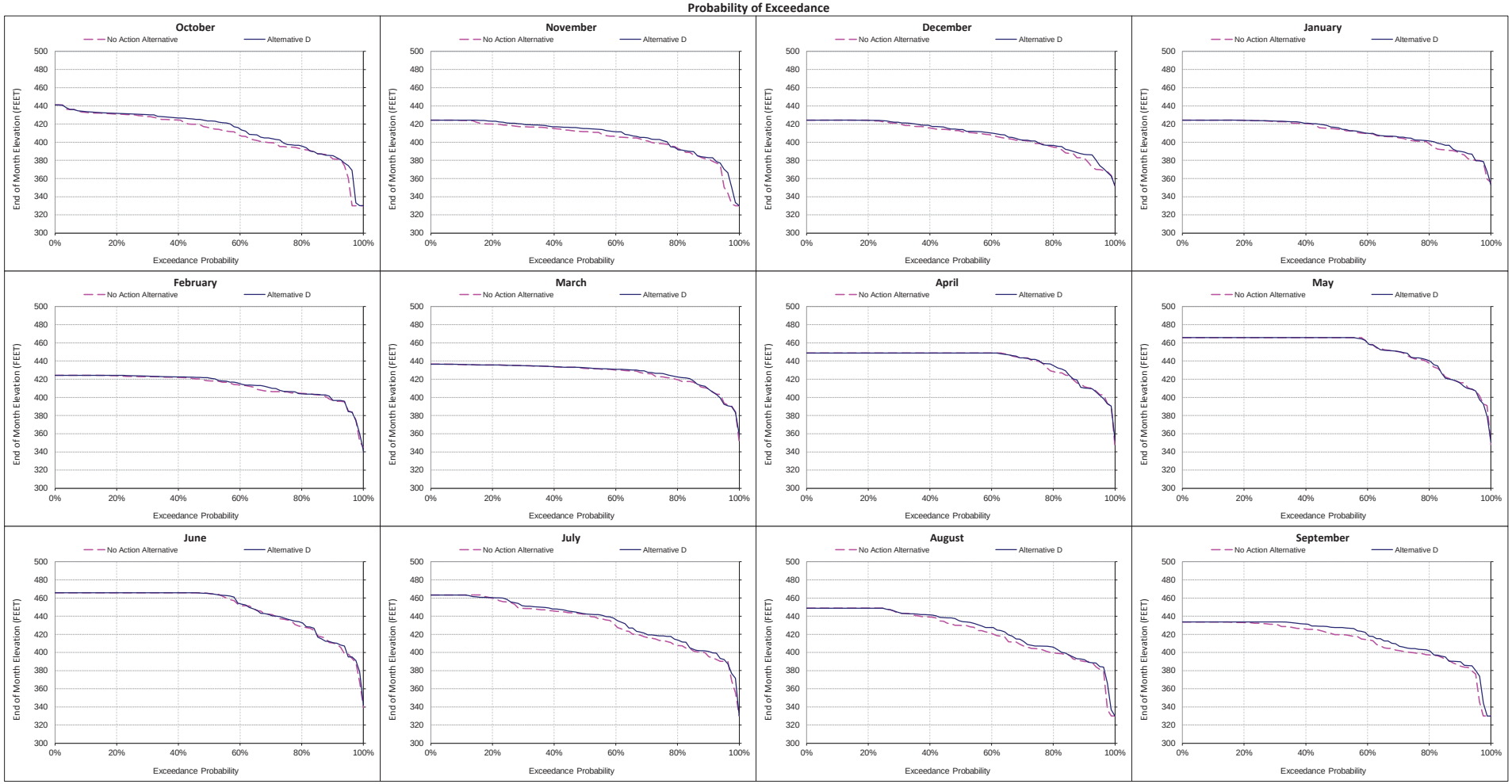

Table SW-25-9b

Folsom Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	436	0	0.0%
7.4%	435	435	0	0.0%
8.6%	433	434	1	0.2%
9.9%	433	434	1	0.2%
11.1%	432	433	1	0.2%
12.3%	432	433	1	0.2%
13.6%	432	433	1	0.2%
14.8%	432	433	1	0.1%
16.0%	432	432	1	0.2%
17.3%	431	432	1	0.2%
18.5%	431	432	1	0.2%
19.8%	431	432	1	0.2%
21.0%	431	432	1	0.2%
22.2%	431	431	1	0.1%
23.5%	430	431	1	0.2%
24.7%	430	431	1	0.2%
25.9%	430	431	1	0.2%
27.2%	429	431	2	0.4%
28.4%	429	431	2	0.4%
29.6%	428	430	2	0.5%
30.9%	428	430	2	0.5%
32.1%	427	430	3	0.6%
33.3%	426	428	2	0.5%
34.6%	425	428	3	0.7%
35.8%	425	428	3	0.7%
37.0%	425	427	3	0.6%
38.3%	425	427	3	0.7%
39.5%	424	427	2	0.6%
40.7%	424	427	2	0.6%
42.0%	421	426	5	1.2%
43.2%	420	426	6	1.4%
44.4%	420	426	6	1.4%
45.7%	420	425	5	1.3%
46.9%	420	425	6	1.3%
48.1%	417	424	7	1.7%
49.4%	416	424	7	1.7%
50.6%	416	423	8	1.9%
51.9%	415	423	9	2.1%
53.1%	414	422	8	1.9%
54.3%	413	421	8	2.0%
55.6%	412	421	9	2.2%
56.8%	412	420	8	2.0%
58.0%	411	417	6	1.4%
59.3%	408	416	8	1.9%
60.5%	407	413	7	1.7%
61.7%	406	412	6	1.5%
63.0%	404	409	5	1.1%
64.2%	403	408	6	1.4%
65.4%	402	408	6	1.6%
66.7%	401	405	5	1.2%
67.9%	400	405	4	1.1%
69.1%	400	405	5	1.2%
70.4%	399	404	4	1.1%
71.6%	399	403	4	1.1%
72.8%	395	402	7	1.8%
74.1%	395	399	4	1.0%
75.3%	395	398	3	0.7%
76.5%	395	397	2	0.6%
77.8%	394	397	2	0.6%
79.0%	393	397	3	0.9%
80.2%	392	396	4	0.9%
81.5%	392	394	2	0.5%
82.7%	391	390	0	-0.1%
84.0%	389	390	0	0.0%
85.2%	388	387	0	-0.1%
86.4%	387	387	0	0.1%
87.7%	387	386	-1	-0.2%
88.9%	385	385	0	0.1%
90.1%	382	385	4	0.9%
91.4%	381	383	1	0.4%
92.6%	381	381	0	0.0%
93.8%	374	377	3	0.8%
95.1%	361	374	14	3.7%
96.3%	330	369	39	11.8%
97.5%	330	333	3	1.0%
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 D 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	1	0.2%
14.8%	422	424	2	0.6%
16.0%	421	424	3	0.7%
17.3%	420	424	4	0.8%
18.5%	420	423	3	0.8%
19.8%	420	423	3	0.7%
21.0%	420	423	3	0.8%
22.2%	420	422	3	0.6%
23.5%	419	422	3	0.8%
24.7%	419	421	3	0.6%
25.9%	419	421	2	0.6%
27.2%	418	421	3	0.7%
28.4%	417	420	3	0.8%
29.6%	417	420	3	0.7%
30.9%	417	419	2	0.5%
32.1%	417	419	2	0.6%
33.3%	417	419	2	0.5%
34.6%	416	419	2	0.6%
35.8%	416	419	2	0.5%
37.0%	416	418	2	0.5%
38.3%	415	418	2	0.6%
39.5%	415	417	2	0.4%
40.7%	415	417	2	0.5%
42.0%	414	417	2	0.6%
43.2%	413	416	3	0.7%
44.4%	413	416	3	0.8%
45.7%	413	416	3	0.8%
46.9%	412	416	4	0.9%
48.1%	412	416	4	0.9%
49.4%	412	415	3	0.8%
50.6%	412	415	3	0.8%
51.9%	411	415	4	0.9%
53.1%	411	415	4	0.9%
54.3%	411	414	3	0.8%
55.6%	409	414	5	1.3%
56.8%	407	413	6	1.4%
58.0%	407	412	5	1.3%
59.3%	407	412	5	1.2%
60.5%	406	411	6	1.4%
61.7%	405	411	6	1.5%
63.0%	405	409	3	0.8%
64.2%	405	408	3	0.7%
65.4%	405	407	2	0.5%
66.7%	405	406	2	0.4%
67.9%	404	405	2	0.4%
69.1%	402	405	3	0.9%
70.4%	401	405	3	0.8%
71.6%	400	403	4	0.9%
72.8%	399	403	4	1.0%
74.1%	399	403	4	1.1%
75.3%	398	402	4	0.9%
76.5%	398	401	3	0.8%
77.8%	396	395	-1	-0.2%
79.0%	395	394	-1	-0.2%
80.2%	393	392	-1	-0.3%
81.5%	391	391	0	0.1%
82.7%	389	390	2	0.4%
84.0%	389	390	1	0.3%
85.2%	386	390	4	1.0%
86.4%	385	385	0	0.0%
87.7%	383	384	1	0.3%
88.9%	382	384	2	0.4%
90.1%	381	383	2	0.5%
91.4%	379	383	4	1.1%
92.6%	377	379	2	0.4%
93.8%	375	377	2	0.5%
95.1%	350	370	20	5.7%
96.3%	344	367	23	6.7%
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 D 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%	423	424	1	0.1%
23.5%	423	424	1	0.1%
24.7%	423	424	1	0.3%
25.9%	422	424	1	0.3%
27.2%	421	423	1	0.3%
28.4%	421	422	1	0.3%
29.6%	421	422	1	0.2%
30.9%	419	421	2	0.4%
32.1%	418	421	3	0.6%
33.3%	418	421	2	0.6%
34.6%	417	420	3	0.7%
35.8%	417	420	3	0.6%
37.0%	417	419	2	0.4%
38.3%	417	419	2	0.4%
39.5%	416	419	3	0.7%
40.7%	415	417	2	0.5%
42.0%	414	417	3	0.7%
43.2%	414	417	3	0.7%
44.4%	414	417	3	0.6%
45.7%	414	415	1	0.4%
46.9%	413	414	1	0.3%
48.1%	413	414	2	0.4%
49.4%	413	414	1	0.3%
50.6%	411	414	2	0.6%
51.9%	411	412	1	0.2%
53.1%	411	412	1	0.3%
54.3%	410	412	2	0.4%
55.6%	410	412	2	0.5%
56.8%	410	411	2	0.5%
58.0%	409	411	2	0.6%
59.3%	408	410	2	0.4%
60.5%	407	410	3	0.7%
61.7%	406	409	3	0.8%
63.0%	405	408	3	0.8%
64.2%	404	408	4	0.9%
65.4%	404	405	2	0.4%
66.7%	403	405	2	0.5%
67.9%	402	404	2	0.5%
69.1%	402	403	1	0.2%
70.4%	402	402	0	0.1%
71.6%	401	402	1	0.2%
72.8%	401	401	0	0.1%
74.1%	399	401	3	0.6%
75.3%	399	399	1	0.2%
76.5%	398	397	-1	-0.2%
77.8%	396	397	0	0.1%
79.0%	395	397	1	0.3%
80.2%	394	396	2	0.5%
81.5%	394	395	1	0.3%
82.7%	392	395	3	0.9%
84.0%	388	392	4	1.0%
85.2%	388	391	3	0.9%
86.4%	387	390	3	0.7%
87.7%	383	389	6	1.5%
88.9%	383	387	5	1.2%
90.1%	382	386	4	1.1%
91.4%	378	386	9	2.3%
92.6%	372	386	14	3.7%
93.8%	370	380	10	2.8%
95.1%	370	374	5	1.3%
96.3%	369	371	2	0.5%
97.5%	367	367	-1	-0.2%
98.8%	363	363	-1	-0.2%
100.0%	352	352	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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%
27.2%	423	424	0	0.1%
28.4%	423	423	0	0.1%
29.6%	423	423	0	0.1%
30.9%	423	423	0	0.1%
32.1%	422	423	1	0.2%
33.3%	422	423	0	0.1%
34.6%	422	423	1	0.2%
35.8%	421	422	2	0.4%
37.0%	421	422	2	0.4%
38.3%	421	422	1	0.3%
39.5%	420	421	0	0.1%
40.7%	420	421	0	0.1%
42.0%	420	420	1	0.1%
43.2%	418	420	2	0.5%
44.4%	416	420	4	0.9%
45.7%	416	419	4	0.9%
46.9%	415	418	3	0.8%
48.1%	415	417	2	0.4%
49.4%	415	416	2	0.4%
50.6%	414	416	2	0.4%
51.9%	414	414	0	0.0%
53.1%	413	414	1	0.3%
54.3%	412	413	0	0.0%
55.6%	412	413	0	0.0%
56.8%	411	412	1	0.3%
58.0%	410	411	1	0.3%
59.3%	410	410	1	0.1%
60.5%	409	410	0	0.1%
61.7%	409	410	1	0.1%
63.0%	407	408	1	0.2%
64.2%	407	407	1	0.1%
65.4%	406	407	0	0.1%
66.7%	406	407	1	0.1%
67.9%	406	407	1	0.1%
69.1%	405	406	1	0.2%
70.4%	405	406	1	0.3%
71.6%	404	405	1	0.3%
72.8%	403	405	2	0.5%
74.1%	402	405	3	0.6%
75.3%	401	403	1	0.3%
76.5%	401	402	1	0.3%
77.8%	401	402	1	0.3%
79.0%	401	402	1	0.3%
80.2%	398	401	3	0.9%
81.5%	394	401	6	1.6%
82.7%	392	399	6	1.6%
84.0%	392	398	6	1.6%
85.2%	392	397	5	1.3%
86.4%	391	397	6	1.5%
87.7%	391	392	2	0.4%
88.9%	390	391	1	0.2%
90.1%	387	390	2	0.6%
91.4%	386	389	3	0.8%
92.6%	382	387	5	1.4%
93.8%	380	387	7	1.7%
95.1%	380	380	0	-0.1%
96.3%	380	380	0	-0.1%
97.5%	378	379	0	0.1%
98.8%	359	367	8	2.2%
100.0%	356	353	-3	-0.8%

Table SW-25-9b
Folsom Lake, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	0.2%
23.5%	423	424	1	0.2%
24.7%	423	424	1	0.2%
25.9%	423	424	1	0.2%
27.2%	423	424	1	0.2%
28.4%	423	424	1	0.2%
29.6%	423	423	1	0.1%
30.9%	423	423	0	0.1%
32.1%	423	423	0	0.1%
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	423	1	0.2%
40.7%	422	422	1	0.1%
42.0%	422	422	1	0.1%
43.2%	422	422	1	0.1%
44.4%	421	422	1	0.3%
45.7%	420	422	2	0.4%
46.9%	420	422	2	0.4%
48.1%	419	422	3	0.7%
49.4%	418	422	3	0.8%
50.6%	418	421	3	0.7%
51.9%	418	420	2	0.6%
53.1%	418	418	0	0.1%
54.3%	417	418	1	0.3%
55.6%	417	418	1	0.3%
56.8%	416	417	1	0.3%
58.0%	414	417	3	0.6%
59.3%	414	416	2	0.5%
60.5%	413	415	2	0.4%
61.7%	413	414	1	0.2%
63.0%	412	414	1	0.3%
64.2%	411	413	2	0.5%
65.4%	409	413	4	1.0%
66.7%	408	413	5	1.2%
67.9%	407	412	5	1.2%
69.1%	407	411	4	1.0%
70.4%	406	410	4	0.9%
71.6%	406	410	3	0.8%
72.8%	406	408	2	0.4%
74.1%	406	407	1	0.2%
75.3%	406	406	0	0.1%
76.5%	405	406	1	0.4%
77.8%	405	406	1	0.3%
79.0%	405	404	-1	-0.1%
80.2%	404	404	-1	-0.1%
81.5%	404	404	0	-0.1%
82.7%	404	404	0	0.0%
84.0%	403	403	0	0.0%
85.2%	403	403	0	0.1%
86.4%	403	403	0	0.0%
87.7%	401	403	2	0.4%
88.9%	398	401	3	0.7%
90.1%	397	397	0	0.0%
91.4%	396	397	1	0.2%
92.6%	396	397	1	0.3%
93.8%	395	396	1	0.2%
95.1%	385	384	-1	-0.2%
96.3%	384	384	0	0.0%
97.5%	375	375	0	-0.1%
98.8%	351	360	8	2.4%
100.0%	345	341	-4	-1.2%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	434	0	0.0%
37.0%	434	434	0	0.0%
38.3%	434	434	0	0.0%
39.5%	434	434	0	0.0%
40.7%	434	434	0	0.0%
42.0%	434	434	0	0.0%
43.2%	433	433	0	0.0%
44.4%	433	433	0	0.0%
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	431	1	0.3%
64.2%	429	430	1	0.3%
65.4%	429	430	1	0.2%
66.7%	429	430	1	0.3%
67.9%	427	429	2	0.4%
69.1%	426	429	3	0.7%
70.4%	426	428	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	425	3	0.8%
77.8%	421	424	3	0.6%
79.0%	420	423	3	0.6%
80.2%	419	423	3	0.8%
81.5%	418	422	4	1.0%
82.7%	417	421	4	0.9%
84.0%	417	421	3	0.8%
85.2%	417	418	2	0.4%
86.4%	414	415	0	0.1%
87.7%	411	413	2	0.4%
88.9%	411	412	2	0.4%
90.1%	410	409	-1	-0.2%
91.4%	406	406	0	-0.1%
92.6%	403	403	0	0.0%
93.8%	403	399	-4	-1.0%
95.1%	394	392	-1	-0.3%
96.3%	391	391	-1	-0.2%
97.5%	391	390	0	-0.1%
98.8%	384	383	0	-0.1%
100.0%	350	359	9	2.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	448	-1	-0.2%
64.2%	448	447	-1	-0.1%
65.4%	447	447	-1	-0.1%
66.7%	446	446	0	0.1%
67.9%	445	445	1	0.2%
69.1%	444	444	0	0.0%
70.4%	444	443	0	0.0%
71.6%	443	443	-1	-0.1%
72.8%	441	442	1	0.2%
74.1%	440	442	1	0.3%
75.3%	440	440	1	0.2%
76.5%	438	437	0	0.0%
77.8%	433	437	4	1.0%
79.0%	429	437	8	1.8%
80.2%	428	435	6	1.5%
81.5%	427	432	5	1.2%
82.7%	427	431	4	1.0%
84.0%	425	429	5	1.1%
85.2%	424	424	0	0.1%
86.4%	419	420	1	0.2%
87.7%	416	419	3	0.8%
88.9%	415	411	-4	-0.9%
90.1%	412	410	-1	-0.3%
91.4%	411	410	-1	-0.2%
92.6%	410	410	-1	-0.2%
93.8%	407	406	-1	-0.2%
95.1%	403	402	-1	-0.2%
96.3%	403	399	-4	-1.0%
97.5%	393	393	0	-0.1%
98.8%	391	391	0	0.0%
100.0%	346	353	7	2.0%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	466	0	0.0%
48.1%	466	466	0	0.0%
49.4%	466	466	0	0.0%
50.6%	466	466	0	0.0%
51.9%	466	466	0	0.0%
53.1%	466	466	0	0.0%
54.3%	466	466	0	0.0%
55.6%	466	466	0	0.0%
56.8%	466	465	-1	-0.2%
58.0%	466	464	-1	-0.3%
59.3%	463	463	0	0.0%
60.5%	458	458	0	0.0%
61.7%	458	458	0	0.0%
63.0%	454	455	1	0.2%
64.2%	454	452	-2	-0.4%
65.4%	452	452	-1	-0.1%
66.7%	452	452	0	0.0%
67.9%	451	451	0	0.1%
69.1%	451	451	0	0.1%
70.4%	450	450	0	0.0%
71.6%	449	449	1	0.1%
72.8%	446	449	3	0.6%
74.1%	444	444	0	0.0%
75.3%	442	444	1	0.3%
76.5%	442	443	1	0.3%
77.8%	441	443	1	0.3%
79.0%	440	441	1	0.3%
80.2%	437	440	3	0.7%
81.5%	433	436	3	0.6%
82.7%	432	434	2	0.6%
84.0%	428	427	-1	-0.3%
85.2%	422	421	-1	-0.3%
86.4%	421	420	-1	-0.2%
87.7%	419	419	0	0.0%
88.9%	418	417	0	-0.1%
90.1%	416	416	-1	-0.1%
91.4%	416	412	-4	-1.0%
92.6%	411	410	-1	-0.2%
93.8%	409	409	0	0.1%
95.1%	407	407	0	-0.1%
96.3%	402	398	-4	-1.1%
97.5%	393	393	0	-0.1%
98.8%	391	379	-12	-3.1%
100.0%	348	351	3	0.8%

Table SW-25-9b
Folsom Lake, End of Month Elevation
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	465	0	-0.1%
48.1%	466	465	0	-0.1%
49.4%	465	465	0	0.0%
50.6%	465	465	0	0.0%
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	462	4	0.9%
58.0%	457	461	4	0.9%
59.3%	453	454	1	0.2%
60.5%	452	453	2	0.4%
61.7%	451	452	1	0.2%
63.0%	451	450	-2	-0.3%
64.2%	449	448	0	-0.1%
65.4%	446	446	0	0.1%
66.7%	446	443	-2	-0.5%
67.9%	443	443	0	0.1%
69.1%	442	442	0	-0.1%
70.4%	442	440	-1	-0.3%
71.6%	439	440	1	0.2%
72.8%	437	439	2	0.5%
74.1%	437	438	1	0.3%
75.3%	436	437	1	0.2%
76.5%	435	436	1	0.1%
77.8%	431	435	4	0.8%
79.0%	429	434	5	1.1%
80.2%	428	433	4	1.0%
81.5%	427	428	1	0.2%
82.7%	427	428	1	0.3%
84.0%	424	427	2	0.5%
85.2%	418	417	-1	-0.3%
86.4%	417	415	-2	-0.5%
87.7%	416	413	-3	-0.8%
88.9%	411	412	1	0.3%
90.1%	410	411	0	0.1%
91.4%	409	410	1	0.3%
92.6%	406	408	3	0.6%
93.8%	399	407	8	2.1%
95.1%	398	395	-3	-0.8%
96.3%	393	395	2	0.5%
97.5%	389	391	2	0.6%
98.8%	367	379	12	3.2%
100.0%	339	342	2	0.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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	-1	-0.2%
13.6%	463	462	-2	-0.4%
14.8%	463	461	-2	-0.4%
16.0%	463	461	-3	-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	0.9%
24.7%	456	459	3	0.6%
25.9%	455	456	1	0.2%
27.2%	453	455	2	0.3%
28.4%	449	454	5	1.1%
29.6%	449	452	3	0.7%
30.9%	448	451	3	0.6%
32.1%	448	451	3	0.6%
33.3%	448	450	2	0.5%
34.6%	448	450	3	0.6%
35.8%	447	450	3	0.6%
37.0%	447	450	3	0.6%
38.3%	446	449	3	0.7%
39.5%	446	448	2	0.5%
40.7%	445	448	3	0.6%
42.0%	445	447	2	0.5%
43.2%	445	447	2	0.5%
44.4%	444	446	2	0.4%
45.7%	444	445	1	0.3%
46.9%	444	445	1	0.2%
48.1%	443	444	1	0.2%
49.4%	442	443	0	0.1%
50.6%	442	442	0	0.0%
51.9%	439	442	3	0.6%
53.1%	439	442	3	0.6%
54.3%	437	442	5	1.1%
55.6%	437	441	4	0.9%
56.8%	436	439	4	0.8%
58.0%	435	439	4	0.9%
59.3%	432	438	6	1.4%
60.5%	427	435	8	1.8%
61.7%	426	433	7	1.7%
63.0%	424	432	8	1.8%
64.2%	423	427	4	0.9%
65.4%	420	427	7	1.6%
66.7%	420	423	4	0.8%
67.9%	419	422	3	0.8%
69.1%	417	421	4	1.0%
70.4%	416	419	3	0.8%
71.6%	416	419	4	0.9%
72.8%	415	419	4	1.0%
74.1%	413	418	5	1.2%
75.3%	413	418	5	1.2%
76.5%	412	418	6	1.4%
77.8%	411	418	7	1.7%
79.0%	408	415	6	1.6%
80.2%	408	414	6	1.5%
81.5%	407	411	4	1.0%
82.7%	405	411	6	1.6%
84.0%	405	405	1	0.2%
85.2%	401	403	2	0.5%
86.4%	401	402	1	0.4%
87.7%	400	402	2	0.4%
88.9%	400	402	2	0.5%
90.1%	395	401	6	1.4%
91.4%	394	399	5	1.4%
92.6%	392	399	7	1.8%
93.8%	390	393	3	0.7%
95.1%	390	392	2	0.5%
96.3%	390	387	-2	-0.6%
97.5%	369	377	8	2.2%
98.8%	356	372	16	4.5%
100.0%	330	330	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D 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%	448	447	0	-0.1%
27.2%	447	447	0	0.0%
28.4%	445	446	0	0.1%
29.6%	443	444	1	0.3%
30.9%	443	443	0	0.0%
32.1%	443	443	0	0.0%
33.3%	443	443	0	0.0%
34.6%	441	442	1	0.3%
35.8%	441	442	2	0.4%
37.0%	440	442	2	0.5%
38.3%	439	442	2	0.5%
39.5%	439	442	2	0.6%
40.7%	439	441	2	0.5%
42.0%	438	440	2	0.5%
43.2%	435	439	4	0.9%
44.4%	434	438	4	0.9%
45.7%	432	438	6	1.4%
46.9%	432	438	7	1.5%
48.1%	430	437	7	1.7%
49.4%	430	435	5	1.2%
50.6%	430	434	4	1.0%
51.9%	430	434	4	0.9%
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	1.2%
58.0%	423	427	5	1.1%
59.3%	422	427	5	1.3%
60.5%	420	427	7	1.7%
61.7%	418	425	6	1.5%
63.0%	418	424	6	1.5%
64.2%	417	423	6	1.3%
65.4%	412	419	7	1.8%
66.7%	412	418	7	1.6%
67.9%	412	415	3	0.8%
69.1%	409	415	5	1.3%
70.4%	407	412	5	1.2%
71.6%	406	409	3	0.7%
72.8%	405	408	3	0.8%
74.1%	404	407	3	0.7%
75.3%	404	407	3	0.8%
76.5%	403	407	4	1.0%
77.8%	401	407	6	1.4%
79.0%	400	406	6	1.6%
80.2%	400	405	6	1.5%
81.5%	399	403	4	1.0%
82.7%	399	400	1	0.4%
84.0%	398	399	2	0.4%
85.2%	397	397	0	0.0%
86.4%	393	395	2	0.6%
87.7%	392	393	1	0.3%
88.9%	391	393	2	0.5%
90.1%	390	392	2	0.5%
91.4%	390	389	-1	-0.2%
92.6%	389	389	0	-0.1%
93.8%	384	388	4	1.1%
95.1%	381	385	3	0.8%
96.3%	379	384	5	1.3%
97.5%	337	366	29	8.7%
98.8%	330	337	7	2.1%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	434	434	0	0.0%
1.2%	434	434	0	0.0%
2.5%	434	434	0	0.0%
3.7%	434	434	0	0.0%
4.9%	434	434	0	0.0%
6.2%	434	434	0	0.0%
7.4%	434	434	0	0.0%
8.6%	434	434	0	0.0%
9.9%	434	434	0	0.0%
11.1%	434	434	0	0.0%
12.3%	434	434	0	0.0%
13.6%	434	434	0	0.0%
14.8%	434	434	0	0.0%
16.0%	433	434	0	0.1%
17.3%	433	434	0	0.1%
18.5%	433	434	1	0.1%
19.8%	433	434	1	0.1%
21.0%	433	434	1	0.2%
22.2%	433	434	1	0.2%
23.5%	432	434	1	0.3%
24.7%	432	434	1	0.3%
25.9%	432	434	2	0.4%
27.2%	432	434	2	0.5%
28.4%	431	434	2	0.6%
29.6%	431	434	3	0.6%
30.9%	431	434	3	0.7%
32.1%	429	434	5	1.1%
33.3%	429	434	5	1.2%
34.6%	428	433	5	1.1%
35.8%	427	433	5	1.3%
37.0%	426	432	6	1.4%
38.3%	426	432	5	1.3%
39.5%	426	431	6	1.3%
40.7%	426	431	6	1.3%
42.0%	425	429	4	0.9%
43.2%	425	429	4	0.9%
44.4%	424	429	5	1.1%
45.7%	423	429	5	1.3%
46.9%	422	429	7	1.6%
48.1%	421	428	7	1.6%
49.4%	420	427	8	1.9%
50.6%	420	427	8	1.9%
51.9%	420	427	8	1.9%
53.1%	419	427	8	1.8%
54.3%	418	427	8	1.9%
55.6%	418	426	9	2.1%
56.8%	417	424	7	1.6%
58.0%	415	423	8	2.0%
59.3%	414	422	8	1.9%
60.5%	414	418	4	1.0%
61.7%	413	418	5	1.2%
63.0%	409	415	6	1.6%
64.2%	407	415	8	1.9%
65.4%	405	413	8	1.9%
66.7%	405	413	8	2.0%
67.9%	405	410	5	1.4%
69.1%	403	410	7	1.7%
70.4%	402	407	5	1.2%
71.6%	401	406	5	1.2%
72.8%	401	405	4	1.1%
74.1%	400	404	4	1.1%
75.3%	400	404	5	1.2%
76.5%	399	404	5	1.2%
77.8%	399	403	5	1.1%
79.0%	398	403	5	1.3%
80.2%	397	402	4	1.1%
81.5%	397	397	1	0.2%
82.7%	396	397	1	0.2%
84.0%	395	396	1	0.3%
85.2%	393	395	2	0.5%
86.4%	391	390	-1	-0.2%
87.7%	388	390	2	0.5%
88.9%	387	390	3	0.8%
90.1%	385	390	5	1.3%
91.4%	384	386	2	0.5%
92.6%	383	386	2	0.6%
93.8%	380	385	6	1.5%
95.1%	376	380	4	1.0%
96.3%	346	374	28	8.1%
97.5%	330	344	14	4.3%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

Table SW-26-9a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
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 D	7,648	7,224	7,313	7,479	7,673	8,664	9,507	10,208	10,030	9,138	8,495	7,891
Difference	254	213	136	95	74	53	28	-11	46	195	203	288
Percent Difference[3]	3.4%	3.0%	1.9%	1.3%	1.0%	0.6%	0.3%	-0.1%	0.5%	2.2%	2.4%	3.8%
	Water Year Types[2]											
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 D	8,798	7,971	7,905	7,959	7,814	9,007	10,085	11,106	11,095	10,581	9,915	8,983
Difference	215	159	96	16	8	3	2	1	5	78	52	296
Percent Difference	2.5%	2.0%	1.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.7%	0.5%	3.4%
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 D	8,265	7,734	7,805	7,986	8,097	9,141	10,105	11,117	10,954	9,837	9,302	8,563
Difference	245	229	128	87	28	0	0	0	-2	109	163	253
Percent Difference	3.1%	3.0%	1.7%	1.1%	0.4%	0.0%	0.0%	0.0%	0.0%	1.1%	1.8%	3.0%
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 D	8,437	7,939	7,874	7,778	8,192	9,070	10,054	10,866	10,746	9,570	8,996	8,535
Difference	165	113	117	47	77	62	-3	-26	-24	316	277	177
Percent Difference	2.0%	1.4%	1.5%	0.6%	0.9%	0.7%	0.0%	-0.2%	-0.2%	3.4%	3.2%	2.1%
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 D	7,052	7,040	7,024	7,269	7,882	8,821	9,548	9,991	9,584	8,342	7,599	7,351
Difference	386	311	156	204	166	120	108	57	142	281	356	377
Percent Difference	5.8%	4.6%	2.3%	2.9%	2.1%	1.4%	1.1%	0.6%	1.5%	3.5%	4.9%	5.4%
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 D	4,511	4,536	5,316	5,898	6,025	6,739	6,954	6,910	6,636	6,005	5,368	4,911
Difference	254	285	223	168	125	104	32	-133	120	265	252	298
Percent Difference	6.0%	6.7%	4.4%	2.9%	2.1%	1.6%	0.5%	-1.9%	1.8%	4.6%	4.9%	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-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

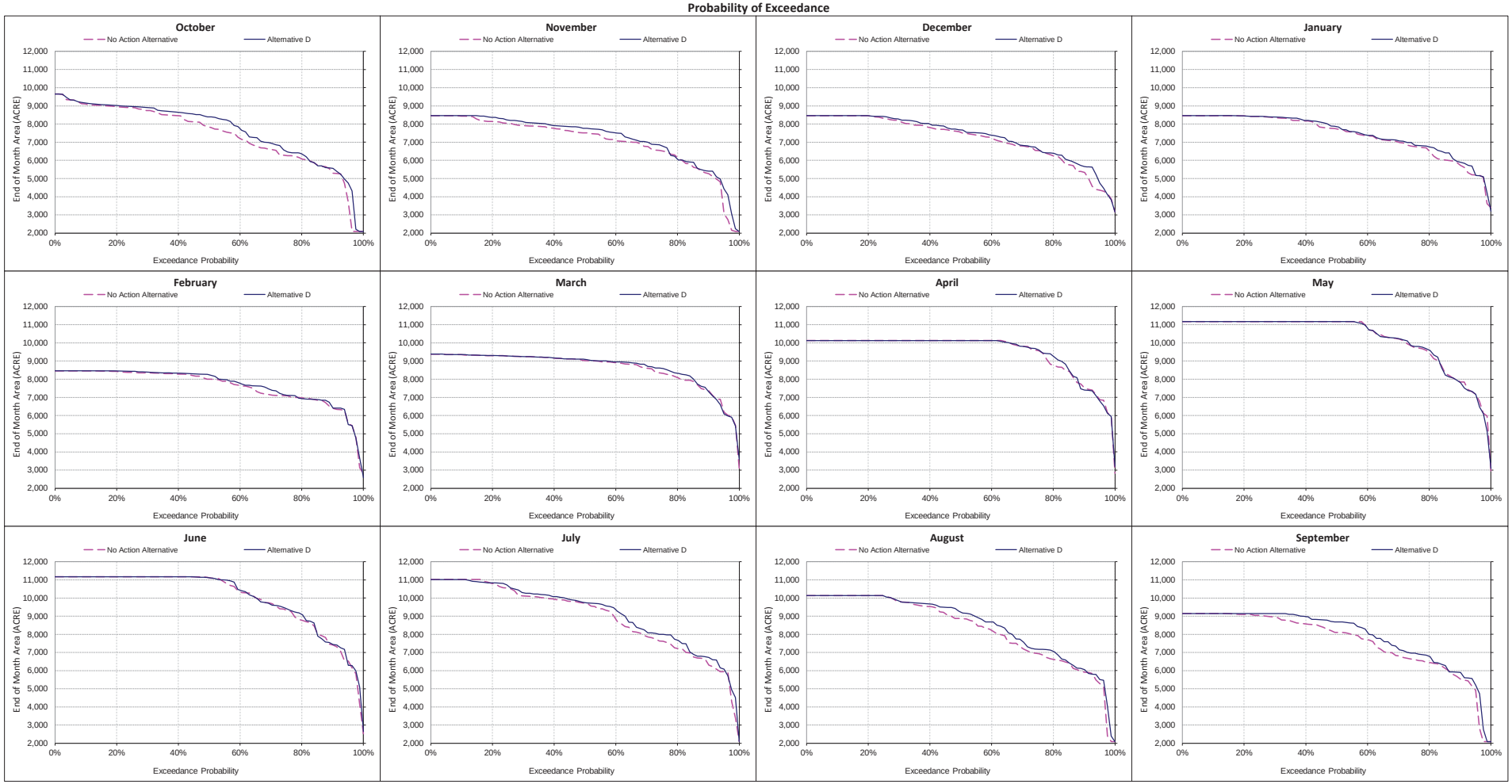

Table SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	9,334	0	0.0%
6.2%	9,320	9,320	0	0.0%
7.4%	9,233	9,233	0	0.0%
8.6%	9,113	9,193	80	0.9%
9.9%	9,100	9,159	60	0.7%
11.1%	9,051	9,120	69	0.8%
12.3%	9,043	9,104	61	0.7%
13.6%	9,042	9,097	55	0.6%
14.8%	9,038	9,077	39	0.4%
16.0%	9,006	9,055	49	0.5%
17.3%	8,991	9,047	56	0.6%
18.5%	8,975	9,033	58	0.6%
19.8%	8,962	9,022	60	0.7%
21.0%	8,944	9,006	62	0.7%
22.2%	8,931	8,978	47	0.5%
23.5%	8,908	8,974	66	0.7%
24.7%	8,906	8,966	60	0.7%
25.9%	8,899	8,962	63	0.7%
27.2%	8,827	8,944	117	1.3%
28.4%	8,807	8,931	124	1.4%
29.6%	8,737	8,916	179	2.1%
30.9%	8,737	8,898	162	1.8%
32.1%	8,684	8,882	198	2.3%
33.3%	8,617	8,764	147	1.7%
34.6%	8,518	8,736	218	2.6%
35.8%	8,510	8,721	212	2.5%
37.0%	8,494	8,693	199	2.3%
38.3%	8,474	8,687	214	2.5%
39.5%	8,468	8,650	181	2.1%
40.7%	8,452	8,628	177	2.1%
42.0%	8,239	8,612	373	4.5%
43.2%	8,139	8,574	435	5.3%
44.4%	8,130	8,565	435	5.3%
45.7%	8,117	8,526	409	5.0%
46.9%	8,107	8,525	418	5.2%
48.1%	7,929	8,455	526	6.6%
49.4%	7,864	8,399	535	6.8%
50.6%	7,801	8,392	591	7.6%
51.9%	7,727	8,368	640	8.3%
53.1%	7,712	8,292	580	7.5%
54.3%	7,625	8,248	623	8.2%
55.6%	7,559	8,221	662	8.8%
56.8%	7,519	8,144	625	8.3%
58.0%	7,499	7,921	422	5.6%
59.3%	7,274	7,860	586	8.1%
60.5%	7,146	7,649	503	7.0%
61.7%	7,124	7,567	443	6.2%
63.0%	6,945	7,292	347	5.0%
64.2%	6,845	7,269	424	6.2%
65.4%	6,781	7,251	470	6.9%
66.7%	6,696	7,053	358	5.3%
67.9%	6,670	7,001	330	5.0%
69.1%	6,625	6,986	361	5.5%
70.4%	6,596	6,923	327	5.0%
71.6%	6,554	6,863	310	4.7%
72.8%	6,288	6,821	533	8.5%
74.1%	6,288	6,576	289	4.6%
75.3%	6,262	6,463	201	3.2%
76.5%	6,256	6,433	177	2.8%
77.8%	6,227	6,407	180	2.9%
79.0%	6,156	6,407	251	4.1%
80.2%	6,065	6,325	260	4.3%
81.5%	6,030	6,185	155	2.6%
82.7%	5,964	5,937	-27	-0.5%
84.0%	5,868	5,881	13	0.2%
85.2%	5,731	5,696	-35	-0.6%
86.4%	5,673	5,695	22	0.4%
87.7%	5,661	5,600	-61	-1.1%
88.9%	5,548	5,584	36	0.6%
90.1%	5,301	5,556	255	4.8%
91.4%	5,285	5,388	103	2.0%
92.6%	5,251	5,242	-9	-0.2%
93.8%	4,730	4,979	249	5.3%
95.1%	3,706	4,747	1,041	28.1%
96.3%	2,091	4,312	2,222	106.3%
97.5%	2,091	2,215	124	5.9%
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 D 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	8,458	179	2.2%
16.0%	8,201	8,433	232	2.8%
17.3%	8,165	8,431	266	3.3%
18.5%	8,142	8,393	252	3.1%
19.8%	8,139	8,373	233	2.9%
21.0%	8,128	8,372	244	3.0%
22.2%	8,110	8,312	202	2.5%
23.5%	8,054	8,292	239	3.0%
24.7%	8,043	8,230	187	2.3%
25.9%	8,026	8,201	175	2.2%
27.2%	7,970	8,197	228	2.9%
28.4%	7,928	8,171	243	3.1%
29.6%	7,920	8,139	219	2.8%
30.9%	7,912	8,082	170	2.2%
32.1%	7,891	8,071	179	2.3%
33.3%	7,890	8,058	168	2.1%
34.6%	7,875	8,051	176	2.2%
35.8%	7,865	8,029	164	2.1%
37.0%	7,844	8,010	166	2.1%
38.3%	7,784	7,957	174	2.2%
39.5%	7,779	7,917	138	1.8%
40.7%	7,739	7,909	170	2.2%
42.0%	7,718	7,892	174	2.3%
43.2%	7,650	7,873	223	2.9%
44.4%	7,637	7,870	233	3.0%
45.7%	7,593	7,849	256	3.4%
46.9%	7,564	7,845	282	3.7%
48.1%	7,529	7,817	287	3.8%
49.4%	7,515	7,763	248	3.3%
50.6%	7,507	7,760	252	3.4%
51.9%	7,476	7,740	265	3.5%
53.1%	7,454	7,731	276	3.7%
54.3%	7,447	7,704	257	3.4%
55.6%	7,288	7,688	400	5.5%
56.8%	7,176	7,604	428	6.0%
58.0%	7,150	7,558	408	5.7%
59.3%	7,146	7,523	377	5.3%
60.5%	7,063	7,494	431	6.1%
61.7%	7,050	7,492	442	6.3%
63.0%	7,043	7,288	245	3.5%
64.2%	7,023	7,238	215	3.1%
65.4%	7,003	7,161	158	2.3%
66.7%	6,993	7,112	119	1.7%
67.9%	6,911	7,037	126	1.8%
69.1%	6,778	7,036	258	3.8%
70.4%	6,754	7,003	249	3.7%
71.6%	6,612	6,884	272	4.1%
72.8%	6,568	6,870	302	4.6%
74.1%	6,548	6,861	313	4.8%
75.3%	6,515	6,774	259	4.0%
76.5%	6,473	6,691	219	3.4%
77.8%	6,336	6,271	-65	-1.0%
79.0%	6,302	6,230	-72	-1.1%
80.2%	6,116	6,024	-92	-1.5%
81.5%	5,998	6,014	16	0.3%
82.7%	5,830	5,940	110	1.9%
84.0%	5,825	5,914	88	1.5%
85.2%	5,621	5,894	273	4.9%
86.4%	5,568	5,565	-3	0.0%
87.7%	5,410	5,486	76	1.4%
88.9%	5,322	5,440	118	2.2%
90.1%	5,266	5,407	141	2.7%
91.4%	5,108	5,404	296	5.8%
92.6%	4,978	5,099	121	2.4%
93.8%	4,819	4,977	158	3.3%
95.1%	3,064	4,432	1,368	44.6%
96.3%	2,732	4,109	1,376	50.4%
97.5%	2,159	3,065	906	41.9%
98.8%	2,091	2,234	143	6.8%
100.0%	2,091	2,091	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	8,431	0	0.0%
22.2%	8,388	8,427	40	0.5%
23.5%	8,385	8,424	39	0.5%
24.7%	8,323	8,416	92	1.1%
25.9%	8,303	8,400	97	1.2%
27.2%	8,233	8,332	98	1.2%
28.4%	8,215	8,298	82	1.0%
29.6%	8,209	8,281	72	0.9%
30.9%	8,099	8,219	120	1.5%
32.1%	8,024	8,215	191	2.4%
33.3%	8,013	8,199	186	2.3%
34.6%	7,948	8,167	220	2.8%
35.8%	7,933	8,127	193	2.4%
37.0%	7,933	8,050	117	1.5%
38.3%	7,909	8,033	124	1.6%
39.5%	7,827	8,030	202	2.6%
40.7%	7,786	7,938	152	2.0%
42.0%	7,722	7,933	212	2.7%
43.2%	7,705	7,909	203	2.6%
44.4%	7,705	7,893	188	2.4%
45.7%	7,675	7,786	111	1.4%
46.9%	7,632	7,725	93	1.2%
48.1%	7,609	7,724	116	1.5%
49.4%	7,590	7,676	86	1.1%
50.6%	7,494	7,675	181	2.4%
51.9%	7,485	7,544	59	0.8%
53.1%	7,438	7,534	95	1.3%
54.3%	7,420	7,533	113	1.5%
55.6%	7,370	7,519	149	2.0%
56.8%	7,353	7,499	147	2.0%
58.0%	7,286	7,473	187	2.6%
59.3%	7,270	7,405	135	1.9%
60.5%	7,174	7,377	203	2.8%
61.7%	7,091	7,336	245	3.4%
63.0%	7,043	7,276	233	3.3%
64.2%	6,971	7,252	281	4.0%
65.4%	6,933	7,052	119	1.7%
66.7%	6,887	7,046	159	2.3%
67.9%	6,807	6,953	145	2.1%
69.1%	6,800	6,846	46	0.7%
70.4%	6,794	6,811	17	0.3%
71.6%	6,746	6,800	54	0.8%
72.8%	6,736	6,754	18	0.3%
74.1%	6,546	6,736	190	2.9%
75.3%	6,535	6,579	44	0.7%
76.5%	6,490	6,439	-51	-0.8%
77.8%	6,383	6,407	24	0.4%
79.0%	6,315	6,407	92	1.5%
80.2%	6,232	6,381	149	2.4%
81.5%	6,209	6,307	98	1.6%
82.7%	6,034	6,288	254	4.2%
84.0%	5,786	6,069	283	4.9%
85.2%	5,751	5,993	242	4.2%
86.4%	5,718	5,921	203	3.5%
87.7%	5,398	5,807	410	7.6%
88.9%	5,390	5,729	339	6.3%
90.1%	5,339	5,657	318	6.0%
91.4%	5,015	5,645	630	12.6%
92.6%	4,575	5,625	1,051	23.0%
93.8%	4,404	5,220	816	18.5%
95.1%	4,364	4,753	388	8.9%
96.3%	4,308	4,477	169	3.9%
97.5%	4,181	4,121	-60	-1.4%
98.8%	3,873	3,834	-39	-1.0%
100.0%	3,154	3,155	1	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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%	8,457	8,458	2	0.0%
18.5%	8,451	8,458	8	0.1%
19.8%	8,449	8,449	0	0.0%
21.0%	8,431	8,431	0	0.0%
22.2%	8,422	8,425	3	0.0%
23.5%	8,422	8,422	0	0.0%
24.7%	8,422	8,422	0	0.0%
25.9%	8,412	8,422	9	0.1%
27.2%	8,394	8,412	18	0.2%
28.4%	8,376	8,394	18	0.2%
29.6%	8,357	8,386	29	0.3%
30.9%	8,339	8,376	37	0.4%
32.1%	8,320	8,375	55	0.7%
33.3%	8,320	8,357	37	0.4%
34.6%	8,265	8,339	74	0.9%
35.8%	8,204	8,320	116	1.4%
37.0%	8,201	8,320	120	1.5%
38.3%	8,184	8,265	81	1.0%
39.5%	8,173	8,204	31	0.4%
40.7%	8,164	8,201	37	0.5%
42.0%	8,134	8,173	39	0.5%
43.2%	8,015	8,164	149	1.9%
44.4%	7,829	8,121	292	3.7%
45.7%	7,812	8,080	268	3.4%
46.9%	7,783	8,017	234	3.0%
48.1%	7,769	7,891	122	1.6%
49.4%	7,752	7,875	123	1.6%
50.6%	7,712	7,829	117	1.5%
51.9%	7,694	7,694	0	0.0%
53.1%	7,578	7,679	101	1.3%
54.3%	7,573	7,580	8	0.1%
55.6%	7,568	7,578	10	0.1%
56.8%	7,442	7,539	98	1.3%
58.0%	7,399	7,477	78	1.1%
59.3%	7,359	7,399	40	0.5%
60.5%	7,348	7,376	28	0.4%
61.7%	7,327	7,371	43	0.6%
63.0%	7,189	7,252	63	0.9%
64.2%	7,132	7,177	45	0.6%
65.4%	7,123	7,152	30	0.4%
66.7%	7,101	7,140	39	0.5%
67.9%	7,088	7,132	44	0.6%
69.1%	7,049	7,123	74	1.0%
70.4%	6,987	7,067	80	1.1%
71.6%	6,954	7,049	95	1.4%
72.8%	6,846	6,987	141	2.1%
74.1%	6,792	6,979	187	2.8%
75.3%	6,754	6,833	79	1.2%
76.5%	6,726	6,815	88	1.3%
77.8%	6,700	6,798	98	1.5%
79.0%	6,693	6,788	95	1.4%
80.2%	6,475	6,726	251	3.9%
81.5%	6,225	6,693	468	7.5%
82.7%	6,089	6,557	468	7.7%
84.0%	6,048	6,502	454	7.5%
85.2%	6,025	6,407	382	6.3%
86.4%	5,987	6,407	420	7.0%
87.7%	5,967	6,093	126	2.1%
88.9%	5,894	5,954	60	1.0%
90.1%	5,722	5,900	178	3.1%
91.4%	5,620	5,841	221	3.9%
92.6%	5,325	5,724	399	7.5%
93.8%	5,206	5,680	474	9.1%
95.1%	5,199	5,163	-36	-0.7%
96.3%	5,179	5,151	-28	-0.5%
97.5%	5,073	5,096	23	0.5%
98.8%	3,626	4,173	548	15.1%
100.0%	3,393	3,206	-187	-5.5%

Table SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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%	8,449	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	8,458	26	0.3%
19.8%	8,431	8,449	18	0.2%
21.0%	8,412	8,449	37	0.4%
22.2%	8,394	8,446	52	0.6%
23.5%	8,376	8,440	64	0.8%
24.7%	8,376	8,433	57	0.7%
25.9%	8,375	8,431	56	0.7%
27.2%	8,348	8,412	64	0.8%
28.4%	8,348	8,412	64	0.8%
29.6%	8,348	8,394	46	0.6%
30.9%	8,348	8,376	28	0.3%
32.1%	8,339	8,376	37	0.4%
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	8,348	37	0.4%
38.3%	8,311	8,339	28	0.3%
39.5%	8,283	8,339	55	0.7%
40.7%	8,283	8,323	40	0.5%
42.0%	8,274	8,320	46	0.6%
43.2%	8,265	8,311	46	0.6%
44.4%	8,210	8,311	101	1.2%
45.7%	8,168	8,283	115	1.4%
46.9%	8,164	8,283	120	1.5%
48.1%	8,069	8,274	206	2.5%
49.4%	8,007	8,265	258	3.2%
50.6%	7,995	8,210	214	2.7%
51.9%	7,989	8,164	175	2.2%
53.1%	7,970	8,007	37	0.5%
54.3%	7,893	7,989	95	1.2%
55.6%	7,890	7,970	80	1.0%
56.8%	7,807	7,892	85	1.1%
58.0%	7,702	7,890	188	2.4%
59.3%	7,681	7,825	144	1.9%
60.5%	7,620	7,734	114	1.5%
61.7%	7,620	7,672	52	0.7%
63.0%	7,565	7,667	103	1.4%
64.2%	7,497	7,644	147	2.0%
65.4%	7,313	7,620	307	4.2%
66.7%	7,240	7,620	380	5.3%
67.9%	7,188	7,565	377	5.2%
69.1%	7,169	7,472	303	4.2%
70.4%	7,120	7,384	264	3.7%
71.6%	7,113	7,363	249	3.5%
72.8%	7,113	7,226	113	1.6%
74.1%	7,095	7,149	54	0.8%
75.3%	7,095	7,113	19	0.3%
76.5%	7,006	7,113	108	1.5%
77.8%	6,996	7,095	99	1.4%
79.0%	6,994	6,957	-37	-0.5%
80.2%	6,962	6,923	-39	-0.6%
81.5%	6,957	6,920	-37	-0.5%
82.7%	6,920	6,906	-14	-0.2%
84.0%	6,883	6,883	0	0.0%
85.2%	6,846	6,881	35	0.5%
86.4%	6,844	6,846	2	0.0%
87.7%	6,719	6,843	124	1.8%
88.9%	6,521	6,739	218	3.3%
90.1%	6,395	6,407	12	0.2%
91.4%	6,343	6,407	64	1.0%
92.6%	6,324	6,407	83	1.3%
93.8%	6,288	6,343	55	0.9%
95.1%	5,560	5,504	-56	-1.0%
96.3%	5,451	5,450	-1	0.0%
97.5%	4,808	4,770	-38	-0.8%
98.8%	3,124	3,656	531	17.0%
100.0%	2,794	2,587	-207	-7.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	9,260	0	0.0%
28.4%	9,260	9,260	0	0.0%
29.6%	9,251	9,251	0	0.0%
30.9%	9,244	9,251	7	0.1%
32.1%	9,242	9,242	0	0.0%
33.3%	9,232	9,232	0	0.0%
34.6%	9,223	9,223	0	0.0%
35.8%	9,214	9,214	0	0.0%
37.0%	9,205	9,205	0	0.0%
38.3%	9,205	9,205	0	0.0%
39.5%	9,177	9,177	0	0.0%
40.7%	9,149	9,160	10	0.1%
42.0%	9,147	9,149	2	0.0%
43.2%	9,122	9,122	0	0.0%
44.4%	9,122	9,122	0	0.0%
45.7%	9,122	9,119	-3	0.0%
46.9%	9,113	9,113	0	0.0%
48.1%	9,103	9,106	2	0.0%
49.4%	9,030	9,103	74	0.8%
50.6%	9,023	9,081	58	0.6%
51.9%	9,002	9,030	28	0.3%
53.1%	9,002	9,018	16	0.2%
54.3%	8,989	9,007	18	0.2%
55.6%	8,956	9,002	46	0.5%
56.8%	8,947	9,002	55	0.6%
58.0%	8,947	8,986	39	0.4%
59.3%	8,919	8,956	37	0.4%
60.5%	8,891	8,947	55	0.6%
61.7%	8,882	8,947	64	0.7%
63.0%	8,843	8,940	97	1.1%
64.2%	8,827	8,919	92	1.0%
65.4%	8,826	8,891	66	0.7%
66.7%	8,801	8,882	81	0.9%
67.9%	8,689	8,827	138	1.6%
69.1%	8,615	8,826	210	2.4%
70.4%	8,597	8,708	111	1.3%
71.6%	8,580	8,689	109	1.3%
72.8%	8,378	8,618	240	2.9%
74.1%	8,354	8,615	261	3.1%
75.3%	8,328	8,597	269	3.2%
76.5%	8,263	8,519	256	3.1%
77.8%	8,238	8,441	203	2.5%
79.0%	8,151	8,354	204	2.5%
80.2%	8,069	8,328	259	3.2%
81.5%	7,953	8,265	312	3.9%
82.7%	7,948	8,240	292	3.7%
84.0%	7,947	8,189	243	3.1%
85.2%	7,880	8,006	126	1.6%
86.4%	7,695	7,732	37	0.5%
87.7%	7,492	7,616	125	1.7%
88.9%	7,436	7,556	120	1.6%
90.1%	7,359	7,299	-60	-0.8%
91.4%	7,105	7,086	-19	-0.3%
92.6%	6,901	6,893	-8	-0.1%
93.8%	6,893	6,601	-292	-4.2%
95.1%	6,181	6,087	-94	-1.5%
96.3%	6,022	5,975	-47	-0.8%
97.5%	5,951	5,916	-35	-0.6%
98.8%	5,466	5,438	-28	-0.5%
100.0%	3,068	3,597	529	17.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	10,082	-49	-0.5%
64.2%	10,081	10,045	-36	-0.4%
65.4%	10,045	10,007	-38	-0.4%
66.7%	9,928	9,956	28	0.3%
67.9%	9,877	9,926	50	0.5%
69.1%	9,814	9,814	0	0.0%
70.4%	9,807	9,802	-5	0.0%
71.6%	9,802	9,767	-35	-0.4%
72.8%	9,645	9,705	60	0.6%
74.1%	9,607	9,699	91	1.0%
75.3%	9,568	9,610	42	0.4%
76.5%	9,441	9,435	-6	-0.1%
77.8%	9,106	9,413	307	3.4%
79.0%	8,831	9,393	562	6.4%
80.2%	8,754	9,236	482	5.5%
81.5%	8,665	9,061	396	4.6%
82.7%	8,654	8,979	325	3.8%
84.0%	8,482	8,831	349	4.1%
85.2%	8,431	8,461	31	0.4%
86.4%	8,095	8,172	77	1.0%
87.7%	7,826	8,085	259	3.3%
88.9%	7,736	7,466	-270	-3.5%
90.1%	7,509	7,402	-106	-1.4%
91.4%	7,438	7,389	-49	-0.7%
92.6%	7,403	7,355	-48	-0.6%
93.8%	7,155	7,098	-57	-0.8%
95.1%	6,871	6,800	-71	-1.0%
96.3%	6,845	6,543	-302	-4.4%
97.5%	6,157	6,133	-24	-0.4%
98.8%	5,955	5,957	2	0.0%
100.0%	2,825	3,198	373	13.2%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,171	11,171	0	0.0%
45.7%	11,171	11,171	0	0.0%
46.9%	11,171	11,171	0	0.0%
48.1%	11,171	11,171	0	0.0%
49.4%	11,171	11,171	0	0.0%
50.6%	11,171	11,171	0	0.0%
51.9%	11,171	11,171	0	0.0%
53.1%	11,171	11,171	0	0.0%
54.3%	11,171	11,171	0	0.0%
55.6%	11,171	11,171	0	0.0%
56.8%	11,171	11,116	-55	-0.5%
58.0%	11,171	11,080	-91	-0.8%
59.3%	10,982	10,978	-4	0.0%
60.5%	10,716	10,716	0	0.0%
61.7%	10,687	10,684	-3	0.0%
63.0%	10,470	10,520	51	0.5%
64.2%	10,453	10,351	-102	-1.0%
65.4%	10,349	10,314	-35	-0.3%
66.7%	10,309	10,297	-11	-0.1%
67.9%	10,259	10,289	29	0.3%
69.1%	10,252	10,271	19	0.2%
70.4%	10,208	10,216	8	0.1%
71.6%	10,129	10,162	33	0.3%
72.8%	9,955	10,117	162	1.6%
74.1%	9,845	9,845	0	0.0%
75.3%	9,734	9,811	77	0.8%
76.5%	9,717	9,804	87	0.9%
77.8%	9,674	9,758	84	0.9%
79.0%	9,588	9,680	92	1.0%
80.2%	9,404	9,588	184	2.0%
81.5%	9,137	9,334	197	2.2%
82.7%	9,036	9,216	180	2.0%
84.0%	8,758	8,648	-110	-1.3%
85.2%	8,322	8,233	-88	-1.1%
86.4%	8,205	8,135	-70	-0.8%
87.7%	8,078	8,070	-8	-0.1%
88.9%	7,968	7,950	-19	-0.2%
90.1%	7,851	7,812	-39	-0.5%
91.4%	7,842	7,520	-323	-4.1%
92.6%	7,433	7,373	-60	-0.8%
93.8%	7,315	7,336	21	0.3%
95.1%	7,183	7,165	-18	-0.3%
96.3%	6,784	6,469	-315	-4.7%
97.5%	6,130	6,110	-20	-0.3%
98.8%	5,984	5,097	-887	-14.8%
100.0%	2,957	3,086	130	4.4%

Table SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,170	11,169	-1	0.0%
45.7%	11,170	11,162	-7	-0.1%
46.9%	11,168	11,146	-21	-0.2%
48.1%	11,162	11,139	-23	-0.2%
49.4%	11,133	11,133	0	0.0%
50.6%	11,104	11,098	-6	-0.1%
51.9%	11,081	11,067	-13	-0.1%
53.1%	11,067	11,008	-59	-0.5%
54.3%	10,947	11,007	60	0.5%
55.6%	10,808	10,990	182	1.7%
56.8%	10,697	10,947	250	2.3%
58.0%	10,639	10,883	244	2.3%
59.3%	10,398	10,464	67	0.6%
60.5%	10,297	10,398	101	1.0%
61.7%	10,293	10,341	47	0.5%
63.0%	10,269	10,173	-96	-0.9%
64.2%	10,119	10,088	-30	-0.3%
65.4%	9,962	9,987	25	0.3%
66.7%	9,929	9,788	-141	-1.4%
67.9%	9,748	9,764	16	0.2%
69.1%	9,735	9,712	-24	-0.2%
70.4%	9,692	9,607	-86	-0.9%
71.6%	9,554	9,597	43	0.4%
72.8%	9,412	9,554	143	1.5%
74.1%	9,389	9,473	83	0.9%
75.3%	9,308	9,389	81	0.9%
76.5%	9,253	9,299	46	0.5%
77.8%	8,951	9,221	270	3.0%
79.0%	8,822	9,179	358	4.1%
80.2%	8,762	9,075	313	3.6%
81.5%	8,691	8,759	68	0.8%
82.7%	8,639	8,731	91	1.1%
84.0%	8,471	8,632	161	1.9%
85.2%	7,993	7,895	-99	-1.2%
86.4%	7,928	7,763	-165	-2.1%
87.7%	7,834	7,578	-256	-3.3%
88.9%	7,469	7,550	80	1.1%
90.1%	7,412	7,438	26	0.3%
91.4%	7,315	7,410	95	1.3%
92.6%	7,059	7,255	197	2.8%
93.8%	6,540	7,168	627	9.6%
95.1%	6,523	6,289	-234	-3.6%
96.3%	6,148	6,278	130	2.1%
97.5%	5,824	5,991	167	2.9%
98.8%	4,142	5,090	948	22.9%
100.0%	2,522	2,641	119	4.7%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	10,976	-47	-0.4%
13.6%	11,023	10,917	-106	-1.0%
14.8%	11,023	10,901	-122	-1.1%
16.0%	11,023	10,870	-153	-1.4%
17.3%	10,920	10,868	-52	-0.5%
18.5%	10,868	10,841	-27	-0.2%
19.8%	10,801	10,841	40	0.4%
21.0%	10,773	10,835	62	0.6%
22.2%	10,641	10,826	185	1.7%
23.5%	10,571	10,812	241	2.3%
24.7%	10,552	10,727	175	1.7%
25.9%	10,512	10,558	45	0.4%
27.2%	10,401	10,495	94	0.9%
28.4%	10,145	10,442	297	2.9%
29.6%	10,115	10,296	182	1.8%
30.9%	10,100	10,263	163	1.6%
32.1%	10,097	10,262	164	1.6%
33.3%	10,082	10,224	142	1.4%
34.6%	10,058	10,216	157	1.6%
35.8%	10,026	10,191	164	1.6%
37.0%	10,014	10,183	170	1.7%
38.3%	9,961	10,144	182	1.8%
39.5%	9,949	10,082	133	1.3%
40.7%	9,914	10,080	166	1.7%
42.0%	9,897	10,033	136	1.4%
43.2%	9,889	10,012	123	1.2%
44.4%	9,825	9,935	111	1.1%
45.7%	9,817	9,897	80	0.8%
46.9%	9,812	9,870	57	0.6%
48.1%	9,757	9,812	55	0.6%
49.4%	9,734	9,757	23	0.2%
50.6%	9,723	9,732	9	0.1%
51.9%	9,556	9,718	162	1.7%
53.1%	9,535	9,704	169	1.8%
54.3%	9,411	9,693	282	3.0%
55.6%	9,410	9,640	230	2.4%
56.8%	9,322	9,557	235	2.5%
58.0%	9,270	9,535	266	2.9%
59.3%	9,016	9,459	443	4.9%
60.5%	8,689	9,270	581	6.7%
61.7%	8,580	9,134	554	6.5%
63.0%	8,422	9,003	581	6.9%
64.2%	8,389	8,664	275	3.3%
65.4%	8,153	8,648	495	6.1%
66.7%	8,125	8,387	262	3.2%
67.9%	8,059	8,312	253	3.1%
69.1%	7,941	8,243	302	3.8%
70.4%	7,850	8,088	238	3.0%
71.6%	7,816	8,086	270	3.5%
72.8%	7,744	8,056	311	4.0%
74.1%	7,629	8,001	372	4.9%
75.3%	7,622	7,998	376	4.9%
76.5%	7,551	7,969	418	5.5%
77.8%	7,456	7,964	508	6.8%
79.0%	7,249	7,726	477	6.6%
80.2%	7,211	7,657	446	6.2%
81.5%	7,193	7,498	305	4.2%
82.7%	7,001	7,480	479	6.8%
84.0%	6,980	7,030	49	0.7%
85.2%	6,745	6,900	155	2.3%
86.4%	6,689	6,797	108	1.6%
87.7%	6,681	6,795	114	1.7%
88.9%	6,633	6,771	138	2.1%
90.1%	6,301	6,720	419	6.6%
91.4%	6,213	6,603	390	6.3%
92.6%	6,077	6,593	516	8.5%
93.8%	5,943	6,154	211	3.6%
95.1%	5,941	6,087	146	2.4%
96.3%	5,906	5,723	-183	-3.1%
97.5%	4,288	4,954	666	15.5%
98.8%	3,380	4,525	1,144	33.9%
100.0%	2,091	2,091	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D 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	10,049	-29	-0.3%
27.2%	10,016	10,028	12	0.1%
28.4%	9,925	9,940	15	0.1%
29.6%	9,784	9,854	69	0.7%
30.9%	9,781	9,777	-4	0.0%
32.1%	9,772	9,772	0	0.0%
33.3%	9,762	9,751	-11	-0.1%
34.6%	9,653	9,742	89	0.9%
35.8%	9,622	9,730	107	1.1%
37.0%	9,573	9,698	124	1.3%
38.3%	9,543	9,689	146	1.5%
39.5%	9,535	9,684	149	1.6%
40.7%	9,516	9,661	145	1.5%
42.0%	9,467	9,609	142	1.5%
43.2%	9,241	9,503	262	2.8%
44.4%	9,211	9,489	278	3.0%
45.7%	9,053	9,476	422	4.7%
46.9%	9,004	9,475	471	5.2%
48.1%	8,875	9,419	544	6.1%
49.4%	8,871	9,269	398	4.5%
50.6%	8,859	9,176	317	3.6%
51.9%	8,852	9,151	299	3.4%
53.1%	8,759	9,110	351	4.0%
54.3%	8,713	9,021	308	3.5%
55.6%	8,451	8,918	467	5.5%
56.8%	8,441	8,826	385	4.6%
58.0%	8,336	8,689	353	4.2%
59.3%	8,282	8,689	407	4.9%
60.5%	8,160	8,689	529	6.5%
61.7%	8,022	8,496	475	5.9%
63.0%	7,981	8,452	471	5.9%
64.2%	7,928	8,344	416	5.3%
65.4%	7,529	8,083	554	7.4%
66.7%	7,509	7,996	487	6.5%
67.9%	7,505	7,752	246	3.3%
69.1%	7,323	7,728	405	5.5%
70.4%	7,179	7,558	379	5.3%
71.6%	7,087	7,308	220	3.1%
72.8%	6,985	7,229	244	3.5%
74.1%	6,957	7,182	225	3.2%
75.3%	6,929	7,175	246	3.6%
76.5%	6,858	7,172	314	4.6%
77.8%	6,725	7,155	430	6.4%
79.0%	6,658	7,126	468	7.0%
80.2%	6,617	7,052	435	6.6%
81.5%	6,570	6,860	289	4.4%
82.7%	6,542	6,644	102	1.6%
84.0%	6,465	6,586	122	1.9%
85.2%	6,420	6,421	1	0.0%
86.4%	6,116	6,292	176	2.9%
87.7%	6,049	6,143	95	1.6%
88.9%	5,974	6,120	146	2.4%
90.1%	5,917	6,061	144	2.4%
91.4%	5,905	5,846	-59	-1.0%
92.6%	5,837	5,807	-29	-0.5%
93.8%	5,478	5,787	309	5.6%
95.1%	5,284	5,514	230	4.4%
96.3%	5,115	5,466	351	6.9%
97.5%	2,389	4,073	1,684	70.5%
98.8%	2,091	2,393	302	14.5%
100.0%	2,091	2,091	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,149	9,149	0	0.0%
1.2%	9,149	9,149	0	0.0%
2.5%	9,149	9,149	0	0.0%
3.7%	9,149	9,149	0	0.0%
4.9%	9,149	9,149	0	0.0%
6.2%	9,149	9,149	0	0.0%
7.4%	9,149	9,149	0	0.0%
8.6%	9,149	9,149	0	0.0%
9.9%	9,149	9,149	0	0.0%
11.1%	9,149	9,149	0	0.0%
12.3%	9,149	9,149	0	0.0%
13.6%	9,149	9,149	0	0.0%
14.8%	9,146	9,149	4	0.0%
16.0%	9,129	9,149	21	0.2%
17.3%	9,113	9,149	36	0.4%
18.5%	9,103	9,149	46	0.5%
19.8%	9,103	9,149	46	0.5%
21.0%	9,098	9,149	51	0.6%
22.2%	9,095	9,149	54	0.6%
23.5%	9,041	9,149	109	1.2%
24.7%	9,040	9,149	110	1.2%
25.9%	9,032	9,149	118	1.3%
27.2%	8,996	9,149	153	1.7%
28.4%	8,966	9,149	183	2.0%
29.6%	8,958	9,149	191	2.1%
30.9%	8,924	9,149	226	2.5%
32.1%	8,785	9,149	365	4.2%
33.3%	8,773	9,149	377	4.3%
34.6%	8,762	9,103	341	3.9%
35.8%	8,687	9,096	409	4.7%
37.0%	8,621	9,056	435	5.0%
38.3%	8,610	9,009	399	4.6%
39.5%	8,583	8,995	412	4.8%
40.7%	8,548	8,961	413	4.8%
42.0%	8,542	8,821	279	3.3%
43.2%	8,539	8,821	281	3.3%
44.4%	8,454	8,807	353	4.2%
45.7%	8,382	8,792	410	4.9%
46.9%	8,277	8,774	498	6.0%
48.1%	8,205	8,712	508	6.2%
49.4%	8,107	8,689	582	7.2%
50.6%	8,107	8,689	582	7.2%
51.9%	8,100	8,689	589	7.3%
53.1%	8,084	8,661	577	7.1%
54.3%	8,023	8,627	604	7.5%
55.6%	7,955	8,609	654	8.2%
56.8%	7,935	8,427	492	6.2%
58.0%	7,752	8,379	626	8.1%
59.3%	7,714	8,297	583	7.6%
60.5%	7,690	7,992	302	3.9%
61.7%	7,604	7,975	371	4.9%
63.0%	7,291	7,776	485	6.7%
64.2%	7,189	7,771	582	8.1%
65.4%	7,029	7,593	564	8.0%
66.7%	6,990	7,589	600	8.6%
67.9%	6,988	7,398	411	5.9%
69.1%	6,836	7,355	519	7.6%
70.4%	6,802	7,149	347	5.1%
71.6%	6,730	7,098	369	5.5%
72.8%	6,684	7,002	318	4.8%
74.1%	6,639	6,970	332	5.0%
75.3%	6,609	6,962	353	5.3%
76.5%	6,560	6,910	350	5.3%
77.8%	6,542	6,876	334	5.1%
79.0%	6,463	6,857	393	6.1%
80.2%	6,450	6,766	316	4.9%
81.5%	6,402	6,453	50	0.8%
82.7%	6,375	6,428	52	0.8%
84.0%	6,260	6,351	91	1.4%
85.2%	6,124	6,278	154	2.5%
86.4%	5,988	5,930	-58	-1.0%
87.7%	5,801	5,930	129	2.2%
88.9%	5,691	5,915	224	3.9%
90.1%	5,535	5,897	362	6.5%
91.4%	5,472	5,609	137	2.5%
92.6%	5,437	5,595	158	2.9%
93.8%	5,158	5,564	406	7.9%
95.1%	4,921	5,183	262	5.3%
96.3%	2,842	4,722	1,881	66.2%
97.5%	2,091	2,764	673	32.2%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

Table SW-27-9a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
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 D	1,557	2,819	3,384	4,425	5,088	3,722	3,294	3,516	3,436	3,349	2,524	2,547
Difference	59	74	116	57	19	36	40	55	-90	-291	24	-132
Percent Difference[3]	3.9%	2.7%	3.5%	1.3%	0.4%	1.0%	1.2%	1.6%	-2.5%	-8.0%	0.9%	-4.9%
	Water Year Types[2]											
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 D	1,776	3,999	3,721	8,681	9,141	6,058	5,197	5,967	5,768	3,721	3,348	3,863
Difference	142	98	103	55	18	3	-1	0	-12	-177	81	-430
Percent Difference	8.7%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.5%	2.5%	-10.0%
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 D	1,517	2,786	3,062	4,722	6,303	5,381	3,452	3,648	3,259	4,140	2,597	2,928
Difference	-8	43	162	202	100	50	-2	-1	3	-274	-35	-160
Percent Difference	-0.5%	1.6%	5.6%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.2%	-1.3%	-5.2%
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 D	1,673	3,442	3,991	2,384	4,069	2,411	3,087	2,857	2,618	4,128	2,494	2,292
Difference	24	86	8	110	-70	25	115	58	-19	-707	97	233
Percent Difference	1.4%	2.6%	0.2%	4.9%	-1.7%	1.0%	3.9%	2.1%	-0.7%	-14.6%	4.0%	11.3%
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 D	1,448	1,889	4,290	1,607	1,822	2,089	1,920	1,764	2,213	3,041	2,208	1,566
Difference	9	118	262	-101	49	80	13	49	-159	-212	-100	-27
Percent Difference	0.6%	6.7%	6.5%	-5.9%	2.8%	4.0%	0.7%	2.8%	-6.7%	-6.5%	-4.3%	-1.7%
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 D	1,149	964	910	1,517	1,177	982	1,319	1,471	1,349	1,305	1,178	1,082
Difference	60	-26	4	95	1	43	122	237	-329	-188	60	-41
Percent Difference	5.5%	-2.6%	0.5%	6.7%	0.1%	4.6%	10.2%	19.2%	-19.6%	-12.6%	5.4%	-3.6%

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-27-9b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

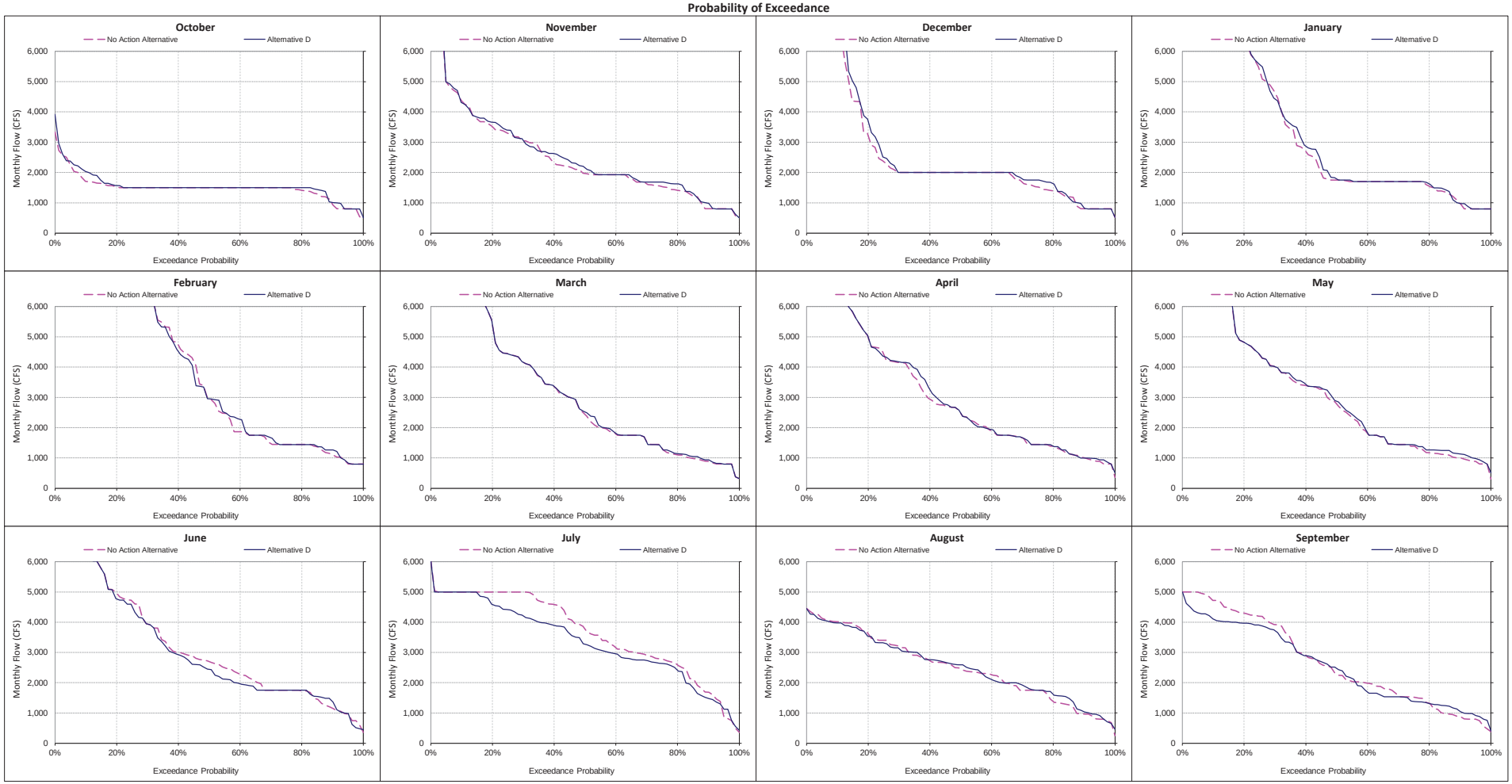

Table SW-27-9b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	3,918	581	17.4%
1.2%	2,727	2,959	232	8.5%
2.5%	2,572	2,606	34	1.3%
3.7%	2,503	2,390	-112	-4.5%
4.9%	2,265	2,375	110	4.9%
6.2%	2,035	2,250	215	10.6%
7.4%	1,999	2,222	223	11.2%
8.6%	1,841	2,118	277	15.1%
9.9%	1,712	2,035	323	18.8%
11.1%	1,690	1,998	308	18.2%
12.3%	1,687	1,917	230	13.7%
13.6%	1,654	1,905	251	15.2%
14.8%	1,640	1,750	110	6.7%
16.0%	1,597	1,640	43	2.7%
17.3%	1,567	1,639	72	4.6%
18.5%	1,563	1,603	40	2.6%
19.8%	1,534	1,567	33	2.1%
21.0%	1,500	1,567	67	4.4%
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	1,500	91	6.5%
81.5%	1,388	1,500	112	8.1%
82.7%	1,371	1,500	129	9.4%
84.0%	1,318	1,454	137	10.4%
85.2%	1,286	1,429	143	11.1%
86.4%	1,205	1,406	201	16.7%
87.7%	1,196	1,374	178	14.9%
88.9%	1,119	1,029	-89	-8.0%
90.1%	918	1,008	90	9.8%
91.4%	800	996	196	24.5%
92.6%	800	982	182	22.7%
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	800	263	49.0%
100.0%	500	500	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	17,253	0	0.0%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	7,103	309	4.5%
4.9%	5,000	4,995	-5	-0.1%
6.2%	4,822	4,926	104	2.2%
7.4%	4,716	4,788	72	1.5%
8.6%	4,634	4,706	72	1.5%
9.9%	4,380	4,316	-63	-1.4%
11.1%	4,248	4,243	-5	-0.1%
12.3%	4,205	4,115	-90	-2.1%
13.6%	3,886	3,886	0	0.0%
14.8%	3,786	3,839	53	1.4%
16.0%	3,680	3,796	116	3.1%
17.3%	3,676	3,794	118	3.2%
18.5%	3,621	3,692	71	2.0%
19.8%	3,532	3,657	125	3.5%
21.0%	3,407	3,655	248	7.3%
22.2%	3,407	3,566	159	4.7%
23.5%	3,378	3,457	80	2.4%
24.7%	3,306	3,404	98	3.0%
25.9%	3,250	3,395	145	4.5%
27.2%	3,186	3,162	-24	-0.8%
28.4%	3,177	3,132	-45	-1.4%
29.6%	3,058	3,113	55	1.8%
30.9%	3,045	2,943	-101	-3.3%
32.1%	2,980	2,859	-122	-4.1%
33.3%	2,974	2,836	-138	-4.6%
34.6%	2,908	2,720	-188	-6.5%
35.8%	2,685	2,686	1	0.1%
37.0%	2,544	2,685	141	5.5%
38.3%	2,521	2,632	112	4.4%
39.5%	2,364	2,626	262	11.1%
40.7%	2,261	2,603	342	15.1%
42.0%	2,246	2,527	281	12.5%
43.2%	2,216	2,470	254	11.5%
44.4%	2,206	2,419	213	9.7%
45.7%	2,163	2,321	158	7.3%
46.9%	2,100	2,300	201	9.6%
48.1%	2,098	2,227	129	6.1%
49.4%	1,979	2,206	228	11.5%
50.6%	1,956	2,100	145	7.4%
51.9%	1,925	2,057	132	6.9%
53.1%	1,925	1,949	24	1.3%
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	1,824	51	2.9%
66.7%	1,683	1,770	87	5.2%
67.9%	1,683	1,690	7	0.4%
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	1,681	158	10.4%
76.5%	1,511	1,659	148	9.8%
77.8%	1,442	1,637	194	13.5%
79.0%	1,428	1,627	198	13.9%
80.2%	1,409	1,626	217	15.4%
81.5%	1,388	1,584	197	14.2%
82.7%	1,371	1,374	3	0.2%
84.0%	1,286	1,371	85	6.6%
85.2%	1,205	1,296	91	7.5%
86.4%	1,196	1,162	-34	-2.8%
87.7%	985	1,029	44	4.5%
88.9%	800	1,008	208	26.0%
90.1%	800	982	182	22.7%
91.4%	800	812	12	1.5%
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	617	50	8.8%
100.0%	506	500	-6	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	20,524	718	3.6%
1.2%	16,694	17,085	391	2.3%
2.5%	15,826	15,799	-27	-0.2%
3.7%	15,819	15,786	-33	-0.2%
4.9%	13,854	13,850	-5	0.0%
6.2%	12,876	13,641	765	5.9%
7.4%	9,069	9,124	55	0.6%
8.6%	8,809	8,797	-13	-0.1%
9.9%	7,228	7,228	0	0.0%
11.1%	6,653	6,655	2	0.0%
12.3%	5,722	6,653	930	16.3%
13.6%	5,079	5,338	259	5.1%
14.8%	4,368	5,028	660	15.1%
16.0%	4,345	4,802	458	10.5%
17.3%	4,340	4,312	-28	-0.6%
18.5%	3,325	3,878	553	16.6%
19.8%	3,291	3,762	471	14.3%
21.0%	2,909	3,320	411	14.1%
22.2%	2,828	3,177	348	12.3%
23.5%	2,466	2,909	443	17.9%
24.7%	2,388	2,510	122	5.1%
25.9%	2,287	2,466	179	7.8%
27.2%	2,156	2,307	151	7.0%
28.4%	2,091	2,231	140	6.7%
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	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	2,000	114	6.0%
67.9%	1,750	1,896	146	8.3%
69.1%	1,750	1,840	90	5.1%
70.4%	1,632	1,757	125	7.7%
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	1,747	232	15.3%
76.5%	1,442	1,717	275	19.0%
77.8%	1,428	1,687	258	18.1%
79.0%	1,409	1,673	264	18.7%
80.2%	1,388	1,615	227	16.4%
81.5%	1,371	1,374	3	0.2%
82.7%	1,286	1,371	85	6.6%
84.0%	1,205	1,296	91	7.5%
85.2%	1,196	1,145	-51	-4.3%
86.4%	1,184	1,029	-155	-13.1%
87.7%	884	1,008	124	14.0%
88.9%	800	982	182	22.7%
90.1%	800	812	12	1.5%
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	-1	-0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,335	30,635	-700	-2.2%
1.2%	20,373	20,373	0	0.0%
2.5%	17,680	17,670	-10	-0.1%
3.7%	15,659	15,767	108	0.7%
4.9%	14,688	15,659	971	6.6%
6.2%	13,013	13,013	0	0.0%
7.4%	11,631	11,631	0	0.0%
8.6%	10,783	10,783	0	0.0%
9.9%	10,424	10,482	58	0.6%
11.1%	10,105	10,479	373	3.7%
12.3%	9,283	9,281	-2	0.0%
13.6%	9,138	9,138	0	0.0%
14.8%	8,914	8,914	0	0.0%
16.0%	7,889	7,884	-5	-0.1%
17.3%	7,553	7,498	-55	-0.7%
18.5%	6,772	6,696	-76	-1.1%
19.8%	6,713	6,596	-117	-1.7%
21.0%	6,262	6,294	33	0.5%
22.2%	5,887	5,907	20	0.3%
23.5%	5,724	5,724	0	0.0%
24.7%	5,483	5,598	115	2.1%
25.9%	5,086	5,483	397	7.8%
27.2%	5,013	5,073	60	1.2%
28.4%	4,879	4,695	-185	-3.8%
29.6%	4,702	4,454	-248	-5.3%
30.9%	4,454	4,361	-93	-2.1%
32.1%	4,017	4,012	-5	-0.1%
33.3%	3,589	3,753	164	4.6%
34.6%	3,465	3,647	182	5.3%
35.8%	3,450	3,544	94	2.7%
37.0%	2,889	3,491	601	20.8%
38.3%	2,849	3,176	327	11.5%
39.5%	2,764	2,906	142	5.1%
40.7%	2,590	2,812	223	8.6%
42.0%	2,538	2,774	237	9.3%
43.2%	2,441	2,764	323	13.2%
44.4%	2,099	2,505	406	19.3%
45.7%	1,818	2,087	269	14.8%
46.9%	1,780	2,068	288	16.2%
48.1%	1,750	1,842	92	5.3%
49.4%	1,750	1,829	79	4.5%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,728	1,750	22	1.2%
54.3%	1,700	1,750	50	2.9%
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	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,603	1,673	69	4.3%
80.2%	1,532	1,611	80	5.2%
81.5%	1,488	1,488	0	0.0%
82.7%	1,388	1,488	100	7.2%
84.0%	1,387	1,485	98	7.1%
85.2%	1,356	1,434	77	5.7%
86.4%	1,288	1,374	86	6.7%
87.7%	1,214	1,101	-113	-9.3%
88.9%	1,093	1,008	-85	-7.8%
90.1%	972	974	2	0.2%
91.4%	800	973	173	21.6%
92.6%	800	875	75	9.4%
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%

Table SW-27-9b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,184	32,180	-4	0.0%
1.2%	15,713	15,582	-131	-0.8%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,478	11	0.1%
4.9%	13,432	13,437	5	0.0%
6.2%	13,208	13,198	-10	-0.1%
7.4%	12,504	12,711	207	1.7%
8.6%	12,386	12,386	0	0.0%
9.9%	11,429	11,424	-5	0.0%
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	10,034	-1	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	9,306	-2	0.0%
21.0%	8,067	8,624	558	6.9%
22.2%	7,930	7,930	0	0.0%
23.5%	7,769	7,426	-343	-4.4%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,122	-2	0.0%
27.2%	6,827	7,076	249	3.7%
28.4%	6,483	6,673	190	2.9%
29.6%	6,250	6,250	0	0.0%
30.9%	6,225	6,225	0	0.0%
32.1%	6,101	6,102	1	0.0%
33.3%	5,552	5,484	-68	-1.2%
34.6%	5,484	5,328	-156	-2.8%
35.8%	5,328	5,317	-11	-0.2%
37.0%	5,317	5,015	-302	-5.7%
38.3%	4,844	4,844	-1	0.0%
39.5%	4,835	4,592	-242	-5.0%
40.7%	4,593	4,416	-178	-3.9%
42.0%	4,471	4,316	-155	-3.5%
43.2%	4,416	4,257	-159	-3.6%
44.4%	4,316	4,063	-253	-5.9%
45.7%	4,063	3,382	-681	-16.8%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,338	-52	-1.5%
49.4%	3,005	2,957	-48	-1.6%
50.6%	2,927	2,951	24	0.8%
51.9%	2,802	2,922	120	4.3%
53.1%	2,548	2,903	355	13.9%
54.3%	2,476	2,534	58	2.4%
55.6%	2,471	2,475	4	0.2%
56.8%	2,260	2,371	112	4.9%
58.0%	1,869	2,352	483	25.9%
59.3%	1,864	2,294	430	23.1%
60.5%	1,863	2,260	396	21.3%
61.7%	1,822	1,866	44	2.4%
63.0%	1,750	1,754	4	0.2%
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	1,750	50	2.9%
69.1%	1,521	1,700	179	11.8%
70.4%	1,445	1,648	203	14.0%
71.6%	1,445	1,499	54	3.8%
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	1,374	12	0.8%
86.4%	1,264	1,370	105	8.3%
87.7%	1,179	1,264	85	7.2%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,262	168	15.3%
91.4%	1,033	1,219	186	18.0%
92.6%	1,032	1,008	-24	-2.3%
93.8%	929	936	7	0.8%
95.1%	800	827	27	3.4%
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%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,578	16,583	6	0.0%
1.2%	15,964	15,964	0	0.0%
2.5%	11,993	12,362	369	3.1%
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	8,383	584	7.5%
11.1%	7,677	7,791	114	1.5%
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	5,561	6	0.1%
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	4,452	-6	-0.1%
25.9%	4,407	4,402	-5	-0.1%
27.2%	4,379	4,373	-6	-0.1%
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	4,070	-2	-0.1%
33.3%	3,946	3,925	-21	-0.5%
34.6%	3,725	3,741	16	0.4%
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	3,165	64	2.1%
43.2%	3,100	3,098	-2	-0.1%
44.4%	3,022	3,012	-10	-0.3%
45.7%	2,979	2,986	7	0.2%
46.9%	2,932	2,932	0	0.0%
48.1%	2,618	2,619	1	0.0%
49.4%	2,500	2,544	44	1.8%
50.6%	2,377	2,486	109	4.6%
51.9%	2,190	2,377	187	8.5%
53.1%	2,085	2,365	280	13.4%
54.3%	2,010	2,084	74	3.7%
55.6%	1,996	2,010	14	0.7%
56.8%	1,969	1,994	26	1.3%
58.0%	1,872	1,969	97	5.2%
59.3%	1,854	1,872	18	1.0%
60.5%	1,750	1,773	23	1.3%
61.7%	1,750	1,750	0	0.0%
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	1,700	0	0.0%
70.4%	1,460	1,445	-15	-1.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,437	-8	-0.6%
75.3%	1,264	1,264	0	0.0%
76.5%	1,179	1,262	83	7.1%
77.8%	1,143	1,219	76	6.6%
79.0%	1,123	1,153	30	2.7%
80.2%	1,098	1,142	43	3.9%
81.5%	1,095	1,135	40	3.7%
82.7%	1,032	1,113	81	7.8%
84.0%	1,001	1,061	60	6.0%
85.2%	979	1,049	70	7.2%
86.4%	958	1,047	89	9.3%
87.7%	929	980	51	5.4%
88.9%	895	937	43	4.8%
90.1%	884	936	52	5.9%
91.4%	838	867	29	3.5%
92.6%	800	824	24	3.0%
93.8%	800	819	19	2.4%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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%	6,728	6,732	3	0.1%
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	4,621	-36	-0.8%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,361	-147	-3.3%
25.9%	4,212	4,319	106	2.5%
27.2%	4,208	4,225	17	0.4%
28.4%	4,179	4,201	22	0.5%
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	3,985	283	7.7%
35.8%	3,594	3,927	333	9.3%
37.0%	3,332	3,691	359	10.8%
38.3%	3,122	3,594	472	15.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,123	230	7.9%
42.0%	2,781	3,004	223	8.0%
43.2%	2,758	2,893	136	4.9%
44.4%	2,746	2,781	35	1.3%
45.7%	2,686	2,758	71	2.7%
46.9%	2,677	2,668	-9	-0.3%
48.1%	2,668	2,668	0	0.0%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,375	-5	-0.2%
51.9%	2,357	2,348	-9	-0.4%
53.1%	2,240	2,240	0	0.0%
54.3%	2,202	2,112	-89	-4.1%
55.6%	2,112	2,031	-81	-3.8%
56.8%	2,058	2,030	-28	-1.4%
58.0%	2,032	1,989	-44	-2.1%
59.3%	1,926	1,955	30	1.5%
60.5%	1,873	1,926	53	2.8%
61.7%	1,754	1,769	15	0.9%
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	1,737	7	0.4%
67.9%	1,720	1,701	-19	-1.1%
69.1%	1,700	1,700	0	0.0%
70.4%	1,637	1,649	12	0.7%
71.6%	1,445	1,581	136	9.4%
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%	1,388	1,445	57	4.1%
80.2%	1,386	1,374	-12	-0.8%
81.5%	1,318	1,374	57	4.3%
82.7%	1,264	1,264	0	0.0%
84.0%	1,179	1,262	83	7.1%
85.2%	1,143	1,135	-8	-0.7%
86.4%	1,098	1,113	15	1.3%
87.7%	1,088	1,061	-28	-2.5%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	-0.1%
91.4%	958	1,000	42	4.4%
92.6%	929	989	60	6.5%
93.8%	895	980	85	9.5%
95.1%	884	940	56	6.3%
96.3%	800	936	136	17.0%
97.5%	800	865	65	8.2%
98.8%	800	800	0	0.0%
100.0%	357	514	157	43.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,266	11,266	0	0.0%
1.2%	11,119	11,119	0	0.0%
2.5%	10,196	10,196	0	0.0%
3.7%	9,745	9,745	0	0.0%
4.9%	9,307	9,307	0	0.0%
6.2%	9,099	9,099	0	0.0%
7.4%	9,049	9,049	0	0.0%
8.6%	8,905	8,905	0	0.0%
9.9%	8,114	8,114	0	0.0%
11.1%	8,002	8,002	0	0.0%
12.3%	6,831	6,831	0	0.0%
13.6%	6,635	6,635	0	0.0%
14.8%	6,428	6,428	0	0.0%
16.0%	6,123	6,123	0	0.0%
17.3%	5,126	5,111	-15	-0.3%
18.5%	4,892	4,892	0	0.0%
19.8%	4,834	4,834	0	0.0%
21.0%	4,760	4,760	0	0.0%
22.2%	4,687	4,687	0	0.0%
23.5%	4,563	4,563	0	0.0%
24.7%	4,453	4,453	0	0.0%
25.9%	4,291	4,296	6	0.1%
27.2%	4,273	4,255	-18	-0.4%
28.4%	4,064	4,041	-23	-0.6%
29.6%	4,026	4,026	0	0.0%
30.9%	3,958	3,983	25	0.6%
32.1%	3,810	3,822	12	0.3%
33.3%	3,805	3,810	5	0.1%
34.6%	3,665	3,805	141	3.8%
35.8%	3,550	3,665	115	3.2%
37.0%	3,473	3,562	89	2.6%
38.3%	3,415	3,550	135	3.9%
39.5%	3,399	3,473	74	2.2%
40.7%	3,371	3,371	0	0.0%
42.0%	3,354	3,359	5	0.2%
43.2%	3,345	3,354	8	0.2%
44.4%	3,277	3,345	68	2.1%
45.7%	3,267	3,277	11	0.3%
46.9%	2,995	3,238	243	8.1%
48.1%	2,894	3,075	180	6.2%
49.4%	2,853	2,894	42	1.5%
50.6%	2,709	2,851	142	5.2%
51.9%	2,575	2,709	134	5.2%
53.1%	2,508	2,575	68	2.7%
54.3%	2,394	2,497	103	4.3%
55.6%	2,287	2,394	106	4.6%
56.8%	2,204	2,286	83	3.7%
58.0%	1,970	2,205	235	11.9%
59.3%	1,900	1,970	69	3.7%
60.5%	1,750	1,750	0	0.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,460	1,470	10	0.7%
67.9%	1,445	1,464	19	1.3%
69.1%	1,445	1,445	0	0.0%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,388	1,445	57	4.1%
75.3%	1,386	1,437	51	3.7%
76.5%	1,284	1,374	90	7.0%
77.8%	1,281	1,374	93	7.3%
79.0%	1,179	1,264	85	7.2%
80.2%	1,174	1,264	90	7.7%
81.5%	1,153	1,262	110	9.5%
82.7%	1,143	1,259	116	10.2%
84.0%	1,123	1,250	127	11.3%
85.2%	1,111	1,250	139	12.5%
86.4%	1,098	1,250	152	13.8%
87.7%	1,032	1,161	129	12.5%
88.9%	1,001	1,144	144	14.4%
90.1%	1,001	1,135	134	13.4%
91.4%	958	1,113	155	16.1%
92.6%	929	1,061	132	14.2%
93.8%	895	1,004	109	12.2%
95.1%	884	980	96	10.8%
96.3%	800	936	136	17.0%
97.5%	800	868	68	8.5%
98.8%	800	800	0	0.0%
100.0%	305	514	209	68.3%

Table SW-27-9b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	5,077	-2	0.0%
19.8%	5,000	4,781	-219	-4.4%
21.0%	4,834	4,733	-101	-2.1%
22.2%	4,781	4,729	-52	-1.1%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,332	-268	-5.8%
27.2%	4,595	4,162	-432	-9.4%
28.4%	4,133	4,133	0	0.0%
29.6%	3,950	3,950	0	0.0%
30.9%	3,918	3,918	0	0.0%
32.1%	3,807	3,807	0	0.0%
33.3%	3,802	3,485	-318	-8.4%
34.6%	3,433	3,364	-69	-2.0%
35.8%	3,364	3,211	-153	-4.5%
37.0%	3,168	3,042	-125	-4.0%
38.3%	3,047	2,994	-54	-1.8%
39.5%	3,004	2,947	-57	-1.9%
40.7%	2,994	2,900	-94	-3.1%
42.0%	2,952	2,845	-108	-3.6%
43.2%	2,906	2,740	-166	-5.7%
44.4%	2,900	2,609	-291	-10.0%
45.7%	2,810	2,603	-207	-7.4%
46.9%	2,764	2,592	-172	-6.2%
48.1%	2,746	2,514	-232	-8.5%
49.4%	2,723	2,449	-274	-10.0%
50.6%	2,673	2,436	-236	-8.8%
51.9%	2,630	2,250	-380	-14.4%
53.1%	2,605	2,203	-402	-15.4%
54.3%	2,521	2,119	-402	-15.9%
55.6%	2,470	2,116	-354	-14.3%
56.8%	2,465	2,099	-365	-14.8%
58.0%	2,374	2,009	-365	-15.4%
59.3%	2,311	1,990	-322	-13.9%
60.5%	2,256	1,948	-307	-13.6%
61.7%	2,238	1,930	-308	-13.8%
63.0%	2,158	1,908	-251	-11.6%
64.2%	2,099	1,887	-212	-10.1%
65.4%	2,009	1,750	-259	-12.9%
66.7%	1,972	1,750	-222	-11.2%
67.9%	1,752	1,750	-2	-0.1%
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%	1,730	1,750	20	1.2%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,619	-54	-3.3%
84.0%	1,488	1,552	64	4.3%
85.2%	1,452	1,540	89	6.1%
86.4%	1,312	1,519	207	15.8%
87.7%	1,257	1,487	230	18.3%
88.9%	1,211	1,484	273	22.6%
90.1%	1,145	1,358	213	18.6%
91.4%	1,073	1,105	31	2.9%
92.6%	1,060	1,029	-31	-2.9%
93.8%	980	997	17	1.8%
95.1%	964	980	16	1.6%
96.3%	743	623	-120	-16.2%
97.5%	743	515	-228	-30.7%
98.8%	599	477	-121	-20.3%
100.0%	357	443	86	24.0%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,000	-41	-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	5,000	0	0.0%
14.8%	5,000	5,000	0	0.0%
16.0%	5,000	4,856	-144	-2.9%
17.3%	5,000	4,842	-158	-3.2%
18.5%	5,000	4,800	-200	-4.0%
19.8%	5,000	4,595	-405	-8.1%
21.0%	5,000	4,545	-455	-9.1%
22.2%	5,000	4,529	-471	-9.4%
23.5%	5,000	4,430	-570	-11.4%
24.7%	5,000	4,420	-580	-11.6%
25.9%	5,000	4,405	-595	-11.9%
27.2%	5,000	4,345	-655	-13.1%
28.4%	5,000	4,260	-740	-14.8%
29.6%	5,000	4,234	-766	-15.3%
30.9%	5,000	4,152	-848	-17.0%
32.1%	4,980	4,130	-850	-17.1%
33.3%	4,906	4,073	-833	-17.0%
34.6%	4,728	4,020	-708	-15.0%
35.8%	4,677	3,981	-697	-14.9%
37.0%	4,652	3,972	-680	-14.6%
38.3%	4,600	3,943	-657	-14.3%
39.5%	4,595	3,905	-689	-15.0%
40.7%	4,572	3,871	-701	-15.3%
42.0%	4,539	3,864	-675	-14.9%
43.2%	4,395	3,843	-551	-12.5%
44.4%	4,117	3,670	-446	-10.8%
45.7%	4,073	3,554	-519	-12.7%
46.9%	3,937	3,505	-431	-11.0%
48.1%	3,930	3,492	-438	-11.1%
49.4%	3,864	3,288	-577	-14.9%
50.6%	3,691	3,257	-433	-11.7%
51.9%	3,616	3,203	-413	-11.4%
53.1%	3,572	3,138	-434	-12.1%
54.3%	3,571	3,096	-476	-13.3%
55.6%	3,399	3,062	-337	-9.9%
56.8%	3,393	3,030	-363	-10.7%
58.0%	3,295	2,994	-301	-9.1%
59.3%	3,217	2,967	-250	-7.8%
60.5%	3,114	2,947	-167	-5.4%
61.7%	3,107	2,839	-268	-8.6%
63.0%	3,096	2,810	-286	-9.2%
64.2%	3,030	2,802	-228	-7.5%
65.4%	3,017	2,772	-245	-8.1%
66.7%	2,982	2,750	-232	-7.8%
67.9%	2,967	2,750	-217	-7.3%
69.1%	2,947	2,750	-197	-6.7%
70.4%	2,897	2,724	-172	-5.9%
71.6%	2,868	2,689	-179	-6.3%
72.8%	2,810	2,671	-139	-5.0%
74.1%	2,788	2,641	-146	-5.3%
75.3%	2,775	2,632	-143	-5.2%
76.5%	2,724	2,622	-103	-3.8%
77.8%	2,687	2,564	-123	-4.6%
79.0%	2,666	2,513	-153	-5.7%
80.2%	2,564	2,382	-181	-7.1%
81.5%	2,498	2,368	-129	-5.2%
82.7%	2,447	1,989	-458	-18.7%
84.0%	2,136	1,955	-181	-8.5%
85.2%	2,122	1,823	-299	-14.1%
86.4%	1,915	1,643	-272	-14.2%
87.7%	1,818	1,581	-237	-13.0%
88.9%	1,695	1,517	-178	-10.5%
90.1%	1,683	1,475	-208	-12.4%
91.4%	1,605	1,440	-165	-10.3%
92.6%	1,461	1,364	-97	-6.7%
93.8%	1,383	1,302	-81	-5.9%
95.1%	856	1,126	270	31.6%
96.3%	811	1,121	310	38.2%
97.5%	745	750	6	0.8%
98.8%	496	554	58	11.6%
100.0%	362	429	67	18.6%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,457	4,457	0	0.0%
1.2%	4,354	4,271	-83	-1.9%
2.5%	4,266	4,256	-10	-0.2%
3.7%	4,256	4,130	-126	-3.0%
4.9%	4,130	4,081	-49	-1.2%
6.2%	4,081	4,049	-31	-0.8%
7.4%	4,049	4,014	-35	-0.9%
8.6%	4,024	3,982	-42	-1.0%
9.9%	4,017	3,977	-41	-1.0%
11.1%	4,014	3,972	-42	-1.0%
12.3%	3,982	3,892	-90	-2.3%
13.6%	3,977	3,886	-91	-2.3%
14.8%	3,972	3,832	-140	-3.5%
16.0%	3,892	3,824	-68	-1.7%
17.3%	3,823	3,736	-87	-2.3%
18.5%	3,679	3,704	24	0.7%
19.8%	3,653	3,537	-116	-3.2%
21.0%	3,475	3,520	45	1.3%
22.2%	3,445	3,332	-113	-3.3%
23.5%	3,405	3,320	-85	-2.5%
24.7%	3,402	3,320	-83	-2.4%
25.9%	3,401	3,292	-109	-3.2%
27.2%	3,264	3,181	-83	-2.5%
28.4%	3,244	3,157	-87	-2.7%
29.6%	3,222	3,155	-67	-2.1%
30.9%	3,163	3,041	-121	-3.8%
32.1%	3,156	3,031	-125	-4.0%
33.3%	2,964	3,020	56	1.9%
34.6%	2,908	3,014	106	3.7%
35.8%	2,906	3,004	98	3.4%
37.0%	2,849	2,905	55	1.9%
38.3%	2,824	2,770	-55	-1.9%
39.5%	2,762	2,757	-5	-0.2%
40.7%	2,680	2,753	74	2.7%
42.0%	2,674	2,750	75	2.8%
43.2%	2,671	2,720	49	1.8%
44.4%	2,664	2,682	18	0.7%
45.7%	2,637	2,663	27	1.0%
46.9%	2,589	2,625	36	1.4%
48.1%	2,497	2,599	101	4.1%
49.4%	2,494	2,594	100	4.0%
50.6%	2,422	2,593	171	7.1%
51.9%	2,378	2,509	130	5.5%
53.1%	2,364	2,469	105	4.4%
54.3%	2,352	2,438	86	3.7%
55.6%	2,339	2,423	84	3.6%
56.8%	2,308	2,315	8	0.3%
58.0%	2,305	2,197	-108	-4.7%
59.3%	2,286	2,142	-144	-6.3%
60.5%	2,249	2,078	-171	-7.6%
61.7%	2,232	2,041	-191	-8.6%
63.0%	2,133	2,000	-133	-6.2%
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	1,996	93	4.9%
69.1%	1,750	1,956	206	11.8%
70.4%	1,750	1,906	156	8.9%
71.6%	1,750	1,826	76	4.3%
72.8%	1,750	1,779	29	1.7%
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	1,715	71	4.3%
79.0%	1,459	1,712	254	17.4%
80.2%	1,353	1,586	233	17.2%
81.5%	1,339	1,570	231	17.2%
82.7%	1,312	1,563	250	19.1%
84.0%	1,288	1,543	255	19.8%
85.2%	1,263	1,481	217	17.2%
86.4%	1,190	1,366	176	14.8%
87.7%	982	1,135	153	15.6%
88.9%	980	1,092	112	11.4%
90.1%	965	1,031	67	6.9%
91.4%	964	1,007	43	4.5%
92.6%	899	964	66	7.3%
93.8%	807	961	153	19.0%
95.1%	800	914	114	14.3%
96.3%	800	799	-1	-0.1%
97.5%	743	708	-36	-4.8%
98.8%	679	659	-20	-2.9%
100.0%	250	460	210	83.9%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	4,622	-378	-7.6%
2.5%	5,000	4,505	-495	-9.9%
3.7%	5,000	4,373	-627	-12.5%
4.9%	4,997	4,312	-684	-13.7%
6.2%	4,953	4,276	-677	-13.7%
7.4%	4,918	4,275	-643	-13.1%
8.6%	4,843	4,216	-627	-12.9%
9.9%	4,723	4,114	-609	-12.9%
11.1%	4,718	4,055	-663	-14.1%
12.3%	4,670	4,033	-637	-13.6%
13.6%	4,505	4,015	-490	-10.9%
14.8%	4,486	4,015	-471	-10.5%
16.0%	4,413	4,003	-409	-9.3%
17.3%	4,373	3,998	-375	-8.6%
18.5%	4,316	3,977	-339	-7.8%
19.8%	4,313	3,969	-344	-8.0%
21.0%	4,276	3,966	-310	-7.3%
22.2%	4,233	3,953	-280	-6.6%
23.5%	4,231	3,912	-318	-7.5%
24.7%	4,198	3,908	-291	-6.9%
25.9%	4,188	3,877	-311	-7.4%
27.2%	4,062	3,833	-229	-5.6%
28.4%	3,981	3,777	-205	-5.1%
29.6%	3,926	3,748	-178	-4.5%
30.9%	3,912	3,656	-257	-6.6%
32.1%	3,878	3,470	-407	-10.5%
33.3%	3,651	3,344	-307	-8.4%
34.6%	3,556	3,337	-219	-6.2%
35.8%	3,296	3,273	-23	-0.7%
37.0%	3,013	3,017	4	0.1%
38.3%	2,988	2,952	-36	-1.2%
39.5%	2,949	2,895	-54	-1.8%
40.7%	2,832	2,886	55	1.9%
42.0%	2,802	2,852	50	1.8%
43.2%	2,800	2,771	-29	-1.0%
44.4%	2,642	2,716	74	2.8%
45.7%	2,571	2,670	99	3.9%
46.9%	2,563	2,617	53	2.1%
48.1%	2,507	2,518	10	0.4%
49.4%	2,322	2,515	194	8.3%
50.6%	2,249	2,431	182	8.1%
51.9%	2,240	2,391	150	6.7%
53.1%	2,087	2,216	129	6.2%
54.3%	2,063	2,177	114	5.5%
55.6%	2,032	2,118	87	4.3%
56.8%	2,026	1,904	-122	-6.0%
58.0%	2,025	1,889	-136	-6.7%
59.3%	1,992	1,755	-237	-11.9%
60.5%	1,982	1,650	-332	-16.7%
61.7%	1,950	1,650	-300	-15.4%
63.0%	1,882	1,650	-232	-12.3%
64.2%	1,881	1,598	-283	-15.1%
65.4%	1,804	1,533	-271	-15.0%
66.7%	1,801	1,533	-268	-14.9%
67.9%	1,750	1,533	-217	-12.4%
69.1%	1,648	1,533	-115	-7.0%
70.4%	1,534	1,533	-1	-0.1%
71.6%	1,533	1,529	-5	-0.3%
72.8%	1,533	1,513	-21	-1.3%
74.1%	1,533	1,396	-138	-9.0%
75.3%	1,519	1,376	-144	-9.4%
76.5%	1,496	1,366	-129	-8.7%
77.8%	1,487	1,361	-126	-8.5%
79.0%	1,353	1,343	-10	-0.8%
80.2%	1,312	1,301	-11	-0.8%
81.5%	1,143	1,280	138	12.0%
82.7%	1,123	1,275	152	13.5%
84.0%	1,007	1,254	247	24.5%
85.2%	980	1,241	261	26.6%
86.4%	964	1,222	258	26.8%
87.7%	946	1,171	224	23.7%
88.9%	899	1,135	236	26.2%
90.1%	884	1,038	154	17.4%
91.4%	807	994	187	23.1%
92.6%	800	980	180	22.5%
93.8%	800	980	180	22.4%
95.1%	800	914	114	14.3%
96.3%	743	879	135	18.2%
97.5%	569	800	231	40.6%
98.8%	476	755	279	58.5%
100.0%	383	402	19	5.1%

Table SW-28-9a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	1,487	2,756	3,312	4,349	4,995	3,633	3,215	3,441	3,355	3,272	2,448	2,475
Difference	59	74	115	56	19	36	40	54	-90	-290	26	-133
Percent Difference[3]	4.2%	2.7%	3.6%	1.3%	0.4%	1.0%	1.2%	1.6%	-2.6%	-8.1%	1.1%	-5.1%
	Water Year Types[2]											
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 D	1,694	3,934	3,638	8,582	9,007	5,933	5,093	5,875	5,665	3,624	3,268	3,783
Difference	146	97	102	53	18	3	-1	0	-12	-177	82	-431
Percent Difference	9.4%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.7%	2.6%	-10.2%
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 D	1,446	2,724	2,990	4,650	6,211	5,285	3,363	3,574	3,177	4,064	2,513	2,855
Difference	-6	43	162	200	98	49	-2	-1	3	-274	-33	-160
Percent Difference	-0.4%	1.6%	5.7%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.3%	-1.3%	-5.3%
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 D	1,605	3,378	3,913	2,313	3,996	2,333	3,020	2,785	2,544	4,057	2,410	2,221
Difference	21	86	7	109	-71	25	114	57	-19	-707	103	232
Percent Difference	1.3%	2.6%	0.2%	5.0%	-1.7%	1.1%	3.9%	2.1%	-0.8%	-14.8%	4.5%	11.6%
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 D	1,387	1,827	4,226	1,546	1,755	2,026	1,853	1,700	2,148	2,975	2,134	1,497
Difference	9	118	261	-101	50	79	13	48	-159	-211	-98	-27
Percent Difference	0.6%	6.9%	6.6%	-6.1%	3.0%	4.1%	0.7%	2.9%	-6.9%	-6.6%	-4.4%	-1.8%
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 D	1,093	906	857	1,457	1,111	926	1,266	1,413	1,288	1,248	1,120	1,024
Difference	59	-27	5	94	0	44	122	235	-332	-185	61	-43
Percent Difference	5.7%	-2.9%	0.5%	6.9%	0.0%	5.0%	10.7%	20.0%	-20.5%	-12.9%	5.7%	-4.0%

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-28-9b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

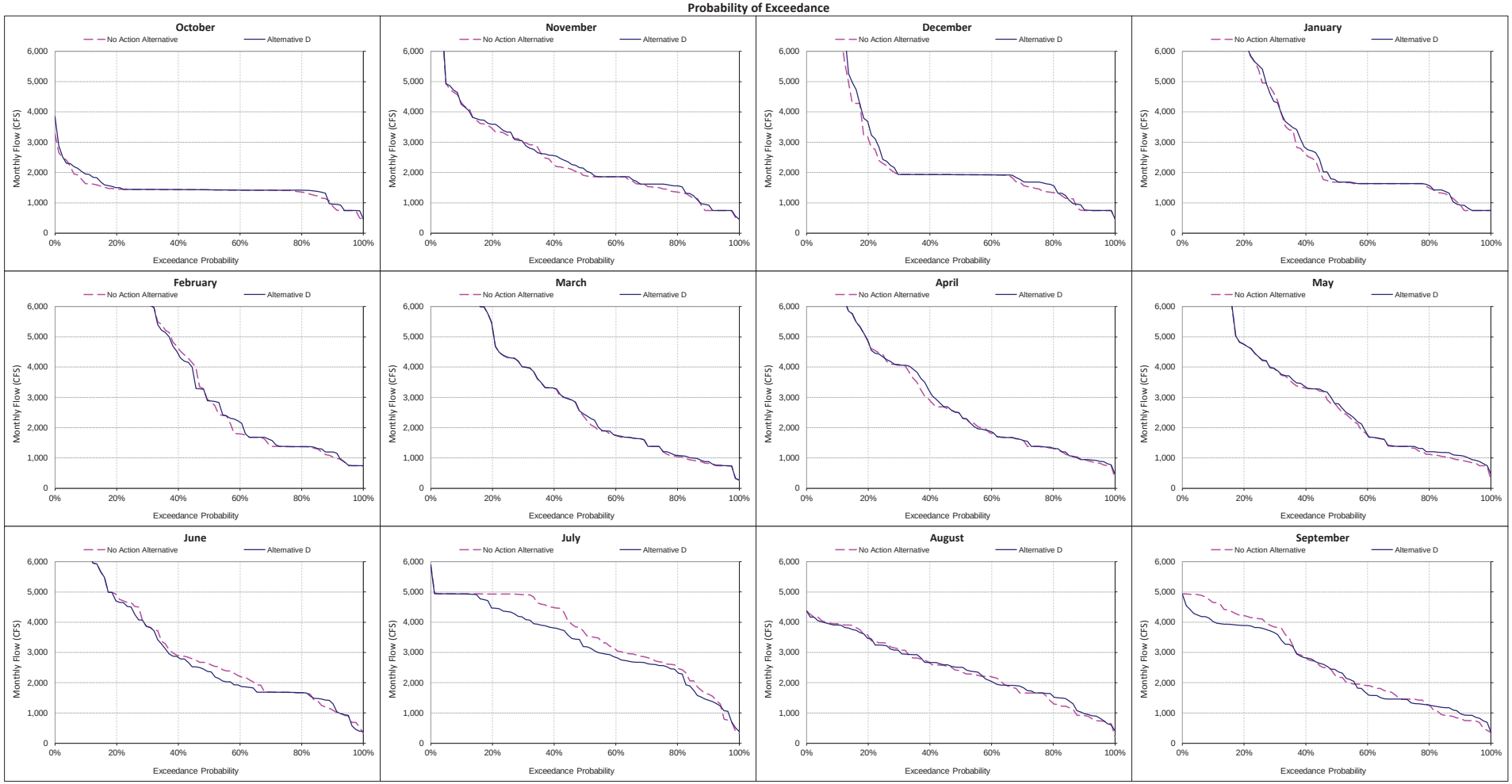

Table SW-28-9b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	3,856	584	17.9%
1.2%	2,666	2,888	222	8.3%
2.5%	2,480	2,523	43	1.7%
3.7%	2,414	2,305	-109	-4.5%
4.9%	2,202	2,296	94	4.3%
6.2%	1,948	2,192	244	12.5%
7.4%	1,917	2,140	223	11.6%
8.6%	1,776	2,036	260	14.6%
9.9%	1,629	1,948	319	19.6%
11.1%	1,623	1,937	313	19.3%
12.3%	1,617	1,843	226	14.0%
13.6%	1,589	1,823	234	14.7%
14.8%	1,549	1,689	140	9.0%
16.0%	1,518	1,589	71	4.7%
17.3%	1,477	1,568	91	6.2%
18.5%	1,476	1,542	66	4.5%
19.8%	1,452	1,500	48	3.3%
21.0%	1,450	1,499	49	3.4%
22.2%	1,448	1,442	-7	-0.5%
23.5%	1,447	1,441	-5	-0.4%
24.7%	1,446	1,441	-5	-0.4%
25.9%	1,439	1,441	1	0.1%
27.2%	1,439	1,441	1	0.1%
28.4%	1,439	1,440	1	0.1%
29.6%	1,439	1,440	1	0.1%
30.9%	1,438	1,439	1	0.1%
32.1%	1,437	1,439	2	0.1%
33.3%	1,437	1,439	2	0.2%
34.6%	1,436	1,439	3	0.2%
35.8%	1,436	1,439	3	0.2%
37.0%	1,436	1,438	2	0.2%
38.3%	1,435	1,438	3	0.2%
39.5%	1,435	1,437	2	0.2%
40.7%	1,434	1,436	2	0.1%
42.0%	1,433	1,436	3	0.2%
43.2%	1,433	1,434	1	0.1%
44.4%	1,432	1,433	1	0.1%
45.7%	1,430	1,431	1	0.1%
46.9%	1,429	1,430	1	0.1%
48.1%	1,428	1,430	2	0.2%
49.4%	1,428	1,430	2	0.1%
50.6%	1,428	1,429	1	0.1%
51.9%	1,427	1,428	2	0.1%
53.1%	1,426	1,427	1	0.1%
54.3%	1,424	1,427	3	0.2%
55.6%	1,421	1,424	2	0.2%
56.8%	1,419	1,423	5	0.3%
58.0%	1,418	1,423	5	0.3%
59.3%	1,417	1,422	5	0.4%
60.5%	1,416	1,420	4	0.3%
61.7%	1,416	1,419	4	0.2%
63.0%	1,416	1,419	3	0.2%
64.2%	1,416	1,419	3	0.2%
65.4%	1,415	1,418	3	0.2%
66.7%	1,415	1,418	3	0.2%
67.9%	1,415	1,418	3	0.2%
69.1%	1,414	1,418	3	0.2%
70.4%	1,412	1,417	6	0.4%
71.6%	1,410	1,417	8	0.6%
72.8%	1,409	1,417	8	0.6%
74.1%	1,409	1,417	8	0.6%
75.3%	1,409	1,417	8	0.6%
76.5%	1,409	1,416	7	0.5%
77.8%	1,385	1,415	30	2.2%
79.0%	1,364	1,415	52	3.8%
80.2%	1,350	1,414	64	4.8%
81.5%	1,332	1,412	80	6.0%
82.7%	1,285	1,409	124	9.6%
84.0%	1,244	1,395	151	12.1%
85.2%	1,227	1,370	144	11.7%
86.4%	1,153	1,350	197	17.1%
87.7%	1,138	1,319	181	15.9%
88.9%	1,064	974	-90	-8.5%
90.1%	872	957	85	9.7%
91.4%	749	946	196	26.2%
92.6%	748	924	176	23.5%
93.8%	748	747	-2	-0.2%
95.1%	745	746	1	0.1%
96.3%	745	745	0	0.0%
97.5%	739	742	2	0.3%
98.8%	492	741	249	50.7%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	17,191	0	0.0%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	7,041	309	4.6%
4.9%	4,937	4,932	-5	-0.1%
6.2%	4,759	4,863	104	2.2%
7.4%	4,652	4,724	73	1.6%
8.6%	4,571	4,639	68	1.5%
9.9%	4,317	4,254	-63	-1.5%
11.1%	4,169	4,158	-11	-0.3%
12.3%	4,139	4,048	-91	-2.2%
13.6%	3,824	3,824	0	0.0%
14.8%	3,724	3,776	53	1.4%
16.0%	3,618	3,733	116	3.2%
17.3%	3,605	3,732	127	3.5%
18.5%	3,558	3,630	72	2.0%
19.8%	3,470	3,594	125	3.6%
21.0%	3,344	3,593	248	7.4%
22.2%	3,344	3,503	159	4.8%
23.5%	3,315	3,395	80	2.4%
24.7%	3,241	3,333	92	2.8%
25.9%	3,187	3,332	145	4.6%
27.2%	3,123	3,093	-31	-1.0%
28.4%	3,114	3,069	-45	-1.5%
29.6%	2,995	3,050	55	1.8%
30.9%	2,982	2,881	-101	-3.4%
32.1%	2,913	2,796	-117	-4.0%
33.3%	2,911	2,763	-148	-5.1%
34.6%	2,846	2,657	-188	-6.6%
35.8%	2,622	2,622	0	0.0%
37.0%	2,480	2,616	136	5.5%
38.3%	2,457	2,570	112	4.6%
39.5%	2,301	2,564	263	11.4%
40.7%	2,198	2,539	341	15.5%
42.0%	2,183	2,464	281	12.9%
43.2%	2,153	2,407	254	11.8%
44.4%	2,144	2,357	213	9.9%
45.7%	2,100	2,258	158	7.5%
46.9%	2,037	2,238	201	9.9%
48.1%	2,036	2,164	129	6.3%
49.4%	1,906	2,144	237	12.4%
50.6%	1,882	2,038	156	8.3%
51.9%	1,862	1,994	131	7.0%
53.1%	1,862	1,885	23	1.2%
54.3%	1,862	1,862	0	0.0%
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	1,862	0	0.0%
61.7%	1,861	1,862	1	0.1%
63.0%	1,855	1,858	2	0.1%
64.2%	1,752	1,857	104	6.0%
65.4%	1,708	1,762	53	3.1%
66.7%	1,621	1,707	87	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	1,618	120	8.0%
75.3%	1,460	1,614	154	10.5%
76.5%	1,448	1,596	148	10.2%
77.8%	1,380	1,574	194	14.0%
79.0%	1,366	1,562	195	14.3%
80.2%	1,347	1,557	210	15.6%
81.5%	1,326	1,522	196	14.8%
82.7%	1,310	1,313	3	0.2%
84.0%	1,225	1,309	84	6.8%
85.2%	1,145	1,233	88	7.7%
86.4%	1,136	1,100	-36	-3.2%
87.7%	924	971	47	5.0%
88.9%	747	950	204	27.3%
90.1%	747	924	178	23.8%
91.4%	747	748	2	0.2%
92.6%	746	747	0	0.0%
93.8%	746	747	0	0.0%
95.1%	746	747	0	0.0%
96.3%	744	747	3	0.4%
97.5%	741	742	2	0.2%
98.8%	519	563	44	8.5%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	20,462	718	3.6%
1.2%	16,495	17,020	525	3.2%
2.5%	15,763	15,607	-156	-1.0%
3.7%	15,639	15,600	-39	-0.3%
4.9%	13,766	13,759	-7	-0.1%
6.2%	12,796	13,564	767	6.0%
7.4%	8,951	9,007	55	0.6%
8.6%	8,725	8,717	-8	-0.1%
9.9%	7,121	7,118	-3	0.0%
11.1%	6,581	6,589	7	0.1%
12.3%	5,653	6,581	929	16.4%
13.6%	5,003	5,263	260	5.2%
14.8%	4,295	4,965	670	15.6%
16.0%	4,278	4,734	456	10.7%
17.3%	4,278	4,236	-41	-1.0%
18.5%	3,241	3,789	549	16.9%
19.8%	3,201	3,692	491	15.3%
21.0%	2,827	3,236	408	14.4%
22.2%	2,764	3,111	347	12.6%
23.5%	2,392	2,827	435	18.2%
24.7%	2,307	2,431	124	5.4%
25.9%	2,225	2,375	150	6.8%
27.2%	2,092	2,239	147	7.0%
28.4%	2,011	2,164	153	7.6%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
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	1,935	0	0.0%
40.7%	1,934	1,933	-1	0.0%
42.0%	1,934	1,931	-3	-0.1%
43.2%	1,933	1,931	-3	-0.1%
44.4%	1,933	1,930	-3	-0.2%
45.7%	1,933	1,929	-4	-0.2%
46.9%	1,933	1,929	-3	-0.2%
48.1%	1,930	1,929	-1	-0.1%
49.4%	1,926	1,929	2	0.1%
50.6%	1,926	1,928	1	0.1%
51.9%	1,926	1,927	2	0.1%
53.1%	1,925	1,927	2	0.1%
54.3%	1,924	1,925	1	0.1%
55.6%	1,923	1,923	-1	0.0%
56.8%	1,923	1,922	-1	0.0%
58.0%	1,923	1,920	-2	-0.1%
59.3%	1,923	1,920	-2	-0.1%
60.5%	1,921	1,919	-2	-0.1%
61.7%	1,921	1,919	-2	-0.1%
63.0%	1,914	1,919	5	0.2%
64.2%	1,911	1,916	5	0.3%
65.4%	1,909	1,915	6	0.3%
66.7%	1,823	1,910	88	4.8%
67.9%	1,688	1,832	145	8.6%
69.1%	1,682	1,777	95	5.6%
70.4%	1,570	1,695	124	7.9%
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	1,685	230	15.8%
76.5%	1,382	1,655	273	19.7%
77.8%	1,368	1,625	256	18.7%
79.0%	1,349	1,611	262	19.4%
80.2%	1,328	1,554	226	17.0%
81.5%	1,312	1,315	3	0.3%
82.7%	1,227	1,311	84	6.9%
84.0%	1,147	1,237	90	7.8%
85.2%	1,138	1,083	-55	-4.8%
86.4%	1,133	973	-160	-14.1%
87.7%	820	952	133	16.2%
88.9%	754	926	172	22.8%
90.1%	748	760	12	1.6%
91.4%	748	752	4	0.5%
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	742	-2	-0.3%
100.0%	472	472	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,174	30,468	-706	-2.3%
1.2%	20,281	20,279	-2	0.0%
2.5%	17,613	17,603	-10	-0.1%
3.7%	15,473	15,703	230	1.5%
4.9%	14,628	15,462	834	5.7%
6.2%	12,792	12,786	-6	0.0%
7.4%	11,521	11,521	0	0.0%
8.6%	10,707	10,702	-5	0.0%
9.9%	10,365	10,426	61	0.6%
11.1%	9,912	10,294	381	3.8%
12.3%	9,211	9,201	-10	-0.1%
13.6%	9,053	9,053	1	0.0%
14.8%	8,828	8,824	-4	0.0%
16.0%	7,720	7,715	-5	-0.1%
17.3%	7,426	7,371	-56	-0.7%
18.5%	6,704	6,633	-71	-1.1%
19.8%	6,647	6,531	-116	-1.7%
21.0%	6,076	6,109	33	0.5%
22.2%	5,822	5,842	20	0.3%
23.5%	5,651	5,651	0	0.0%
24.7%	5,414	5,533	119	2.2%
25.9%	4,961	5,413	452	9.1%
27.2%	4,950	4,948	-2	0.0%
28.4%	4,820	4,603	-217	-4.5%
29.6%	4,616	4,348	-268	-5.8%
30.9%	4,357	4,298	-59	-1.3%
32.1%	3,940	3,936	-5	-0.1%
33.3%	3,524	3,688	164	4.7%
34.6%	3,405	3,585	179	5.3%
35.8%	3,392	3,482	90	2.7%
37.0%	2,831	3,415	584	20.6%
38.3%	2,788	3,111	324	11.6%
39.5%	2,658	2,841	183	6.9%
40.7%	2,525	2,745	220	8.7%
42.0%	2,473	2,715	242	9.8%
43.2%	2,376	2,658	282	11.9%
44.4%	2,034	2,441	406	20.0%
45.7%	1,766	2,022	256	14.5%
46.9%	1,734	2,016	282	16.3%
48.1%	1,685	1,796	111	6.6%
49.4%	1,685	1,764	79	4.7%
50.6%	1,685	1,685	0	0.0%
51.9%	1,681	1,685	4	0.2%
53.1%	1,663	1,685	22	1.3%
54.3%	1,663	1,681	18	1.1%
55.6%	1,635	1,662	27	1.7%
56.8%	1,635	1,635	0	0.0%
58.0%	1,635	1,635	0	0.0%
59.3%	1,635	1,635	0	0.0%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,635	1,635	0	0.0%
70.4%	1,635	1,635	0	0.0%
71.6%	1,635	1,635	0	0.0%
72.8%	1,635	1,635	0	0.0%
74.1%	1,635	1,635	0	0.0%
75.3%	1,635	1,635	0	0.0%
76.5%	1,635	1,635	0	0.0%
77.8%	1,635	1,635	0	0.0%
79.0%	1,539	1,611	71	4.6%
80.2%	1,471	1,547	77	5.2%
81.5%	1,425	1,425	0	0.0%
82.7%	1,328	1,425	97	7.3%
84.0%	1,325	1,422	97	7.3%
85.2%	1,295	1,371	77	5.9%
86.4%	1,227	1,315	88	7.1%
87.7%	1,154	1,042	-112	-9.7%
88.9%	1,034	952	-82	-7.9%
90.1%	920	922	2	0.2%
91.4%	748	916	167	22.4%
92.6%	748	819	70	9.4%
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%	748	748	0	0.0%
100.0%	747	748	1	0.2%

Table SW-28-9b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,092	-11	0.0%
1.2%	15,585	15,454	-131	-0.8%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,372	10	0.1%
4.9%	13,346	13,350	4	0.0%
6.2%	12,991	12,981	-10	-0.1%
7.4%	12,404	12,616	212	1.7%
8.6%	12,260	12,261	1	0.0%
9.9%	11,338	11,332	-5	0.0%
11.1%	11,083	11,073	-10	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,432	1	0.0%
14.8%	9,957	9,954	-3	0.0%
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	9,101	-13	-0.1%
21.0%	7,917	8,471	554	7.0%
22.2%	7,829	7,823	-6	-0.1%
23.5%	7,702	7,357	-345	-4.5%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,980	-2	0.0%
27.2%	6,760	6,772	12	0.2%
28.4%	6,176	6,606	430	7.0%
29.6%	6,053	6,054	0	0.0%
30.9%	6,040	6,041	1	0.0%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,404	-91	-1.7%
34.6%	5,414	5,219	-195	-3.6%
35.8%	5,219	5,140	-80	-1.5%
37.0%	5,139	5,003	-137	-2.7%
38.3%	4,823	4,689	-134	-2.8%
39.5%	4,690	4,521	-169	-3.6%
40.7%	4,523	4,298	-225	-5.0%
42.0%	4,402	4,200	-203	-4.6%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,994	-157	-3.8%
45.7%	3,994	3,294	-700	-17.5%
46.9%	3,354	3,284	-69	-2.1%
48.1%	3,292	3,268	-24	-0.7%
49.4%	2,939	2,890	-48	-1.6%
50.6%	2,858	2,883	25	0.9%
51.9%	2,732	2,866	134	4.9%
53.1%	2,447	2,834	388	15.8%
54.3%	2,402	2,433	30	1.3%
55.6%	2,398	2,389	-9	-0.4%
56.8%	2,142	2,313	171	8.0%
58.0%	1,806	2,283	477	26.4%
59.3%	1,800	2,225	425	23.6%
60.5%	1,795	2,143	348	19.4%
61.7%	1,753	1,797	44	2.5%
63.0%	1,683	1,685	2	0.1%
64.2%	1,680	1,683	2	0.1%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,680	0	0.0%
67.9%	1,626	1,680	54	3.3%
69.1%	1,466	1,626	160	10.9%
70.4%	1,378	1,575	196	14.3%
71.6%	1,378	1,430	52	3.8%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,378	2	0.2%
75.3%	1,376	1,378	2	0.2%
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	1,356	34	2.6%
85.2%	1,295	1,309	14	1.1%
86.4%	1,197	1,301	104	8.7%
87.7%	1,113	1,200	87	7.8%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	1,195	163	15.8%
91.4%	978	1,154	177	18.1%
92.6%	968	948	-19	-2.0%
93.8%	866	873	7	0.8%
95.1%	745	766	21	2.9%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,489	16,494	6	0.0%
1.2%	15,808	15,808	0	0.0%
2.5%	11,883	12,299	416	3.5%
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%	10,431	10,441	10	0.1%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,331	584	7.5%
11.1%	7,493	7,607	115	1.5%
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	5,995	-2	0.0%
17.3%	5,992	5,992	0	0.0%
18.5%	5,770	5,770	0	0.0%
19.8%	5,467	5,473	6	0.1%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,486	2	0.0%
23.5%	4,395	4,389	-6	-0.1%
24.7%	4,335	4,326	-10	-0.2%
25.9%	4,302	4,302	0	0.0%
27.2%	4,296	4,290	-6	-0.1%
28.4%	4,193	4,193	0	0.0%
29.6%	4,013	4,013	0	0.0%
30.9%	3,999	3,997	-2	0.0%
32.1%	3,968	3,968	0	0.0%
33.3%	3,869	3,848	-21	-0.5%
34.6%	3,607	3,618	11	0.3%
35.8%	3,487	3,487	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	-2	-0.1%
42.0%	3,023	3,088	66	2.2%
43.2%	3,006	3,002	-4	-0.1%
44.4%	2,964	2,954	-11	-0.4%
45.7%	2,909	2,917	7	0.3%
46.9%	2,838	2,838	0	0.0%
48.1%	2,558	2,559	1	0.0%
49.4%	2,399	2,459	60	2.5%
50.6%	2,243	2,386	143	6.4%
51.9%	2,094	2,304	210	10.0%
53.1%	2,028	2,243	215	10.6%
54.3%	1,905	2,011	106	5.6%
55.6%	1,894	1,900	6	0.3%
56.8%	1,889	1,897	9	0.5%
58.0%	1,794	1,888	95	5.3%
59.3%	1,771	1,771	0	0.0%
60.5%	1,721	1,734	13	0.8%
61.7%	1,683	1,714	31	1.8%
63.0%	1,682	1,683	1	0.0%
64.2%	1,681	1,681	0	0.0%
65.4%	1,657	1,657	0	0.0%
66.7%	1,648	1,642	-5	-0.3%
67.9%	1,638	1,638	0	0.0%
69.1%	1,602	1,602	0	0.0%
70.4%	1,397	1,385	-12	-0.8%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,383	-2	-0.1%
74.1%	1,381	1,374	-7	-0.5%
75.3%	1,206	1,206	0	0.0%
76.5%	1,121	1,204	83	7.4%
77.8%	1,083	1,160	78	7.2%
79.0%	1,063	1,101	38	3.6%
80.2%	1,039	1,078	39	3.7%
81.5%	1,038	1,075	37	3.6%
82.7%	976	1,053	78	7.9%
84.0%	940	1,003	62	6.6%
85.2%	918	1,001	83	9.0%
86.4%	898	984	86	9.6%
87.7%	875	919	44	5.1%
88.9%	832	882	50	6.0%
90.1%	820	877	57	7.0%
91.4%	777	799	21	2.7%
92.6%	748	761	13	1.7%
93.8%	748	759	11	1.4%
95.1%	740	748	8	1.1%
96.3%	740	744	4	0.6%
97.5%	737	740	3	0.4%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,286	14,285	-1	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	6,678	3	0.1%
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	4,459	-92	-2.0%
23.5%	4,473	4,431	-42	-0.9%
24.7%	4,430	4,343	-88	-2.0%
25.9%	4,192	4,247	54	1.3%
27.2%	4,094	4,193	99	2.4%
28.4%	4,092	4,099	7	0.2%
29.6%	4,064	4,087	23	0.6%
30.9%	4,063	4,064	0	0.0%
32.1%	4,028	4,063	36	0.9%
33.3%	3,825	4,028	203	5.3%
34.6%	3,635	3,926	291	8.0%
35.8%	3,502	3,825	323	9.2%
37.0%	3,256	3,624	368	11.3%
38.3%	3,049	3,502	453	14.9%
39.5%	2,960	3,256	296	10.0%
40.7%	2,811	3,050	239	8.5%
42.0%	2,699	2,944	245	9.1%
43.2%	2,692	2,811	119	4.4%
44.4%	2,686	2,699	13	0.5%
45.7%	2,633	2,692	59	2.3%
46.9%	2,581	2,581	0	0.0%
48.1%	2,522	2,513	-9	-0.4%
49.4%	2,495	2,495	0	0.0%
50.6%	2,315	2,310	-5	-0.2%
51.9%	2,292	2,283	-9	-0.4%
53.1%	2,156	2,156	0	0.0%
54.3%	2,142	2,032	-110	-5.1%
55.6%	2,032	1,963	-70	-3.4%
56.8%	1,991	1,954	-37	-1.9%
58.0%	1,955	1,921	-34	-1.8%
59.3%	1,836	1,895	60	3.3%
60.5%	1,796	1,836	39	2.2%
61.7%	1,696	1,707	11	0.6%
63.0%	1,691	1,685	-6	-0.4%
64.2%	1,685	1,679	-6	-0.4%
65.4%	1,679	1,679	0	0.0%
66.7%	1,675	1,675	0	0.0%
67.9%	1,640	1,635	-4	-0.3%
69.1%	1,635	1,621	-15	-0.9%
70.4%	1,569	1,573	4	0.2%
71.6%	1,383	1,547	164	11.9%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,383	0	0.0%
75.3%	1,379	1,383	4	0.3%
76.5%	1,359	1,374	15	1.1%
77.8%	1,355	1,359	4	0.3%
79.0%	1,323	1,356	33	2.5%
80.2%	1,319	1,309	-10	-0.8%
81.5%	1,264	1,308	43	3.4%
82.7%	1,204	1,204	0	0.0%
84.0%	1,119	1,202	83	7.4%
85.2%	1,083	1,076	-8	-0.7%
86.4%	1,039	1,054	14	1.4%
87.7%	1,034	1,002	-32	-3.1%
88.9%	974	946	-28	-2.8%
90.1%	943	946	3	0.3%
91.4%	902	945	44	4.9%
92.6%	873	933	60	6.9%
93.8%	839	923	83	9.9%
95.1%	829	886	58	6.9%
96.3%	768	880	111	14.5%
97.5%	747	812	65	8.7%
98.8%	743	773	30	4.1%
100.0%	315	471	157	49.8%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,158	0	0.0%
1.2%	10,998	10,998	0	0.0%
2.5%	10,091	10,091	0	0.0%
3.7%	9,608	9,608	0	0.0%
4.9%	9,193	9,193	0	0.0%
6.2%	9,059	9,059	0	0.0%
7.4%	8,876	8,876	0	0.0%
8.6%	8,802	8,802	0	0.0%
9.9%	8,032	8,032	0	0.0%
11.1%	7,914	7,914	0	0.0%
12.3%	6,726	6,726	0	0.0%
13.6%	6,563	6,563	0	0.0%
14.8%	6,329	6,329	0	0.0%
16.0%	6,027	6,027	0	0.0%
17.3%	5,042	5,027	-15	-0.3%
18.5%	4,828	4,828	0	0.0%
19.8%	4,766	4,766	0	0.0%
21.0%	4,681	4,681	0	0.0%
22.2%	4,616	4,616	0	0.0%
23.5%	4,460	4,460	0	0.0%
24.7%	4,340	4,340	0	0.0%
25.9%	4,242	4,212	-30	-0.7%
27.2%	4,202	4,211	9	0.2%
28.4%	4,002	3,979	-23	-0.6%
29.6%	3,960	3,960	0	0.0%
30.9%	3,851	3,876	25	0.6%
32.1%	3,723	3,760	37	1.0%
33.3%	3,712	3,723	11	0.3%
34.6%	3,581	3,712	131	3.7%
35.8%	3,466	3,581	115	3.3%
37.0%	3,378	3,480	102	3.0%
38.3%	3,353	3,466	113	3.4%
39.5%	3,315	3,378	63	1.9%
40.7%	3,295	3,295	0	0.0%
42.0%	3,287	3,287	0	0.0%
43.2%	3,279	3,281	2	0.1%
44.4%	3,205	3,275	70	2.2%
45.7%	3,201	3,205	3	0.1%
46.9%	2,923	3,172	249	8.5%
48.1%	2,795	3,010	215	7.7%
49.4%	2,793	2,795	2	0.1%
50.6%	2,637	2,791	154	5.8%
51.9%	2,507	2,637	130	5.2%
53.1%	2,437	2,507	69	2.8%
54.3%	2,331	2,427	96	4.1%
55.6%	2,196	2,331	134	6.1%
56.8%	2,129	2,195	66	3.1%
58.0%	1,900	2,130	230	12.1%
59.3%	1,837	1,900	62	3.4%
60.5%	1,687	1,687	0	0.0%
61.7%	1,687	1,687	0	0.0%
63.0%	1,663	1,663	0	0.0%
64.2%	1,638	1,638	0	0.0%
65.4%	1,616	1,616	0	0.0%
66.7%	1,397	1,414	17	1.2%
67.9%	1,385	1,409	24	1.7%
69.1%	1,385	1,385	0	0.0%
70.4%	1,385	1,385	0	0.0%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,385	0	0.0%
74.1%	1,328	1,385	57	4.3%
75.3%	1,326	1,374	47	3.6%
76.5%	1,227	1,315	88	7.1%
77.8%	1,223	1,315	92	7.5%
79.0%	1,122	1,206	83	7.4%
80.2%	1,121	1,204	83	7.4%
81.5%	1,089	1,202	114	10.4%
82.7%	1,085	1,187	102	9.4%
84.0%	1,052	1,185	134	12.7%
85.2%	1,041	1,185	144	13.8%
86.4%	1,031	1,170	139	13.5%
87.7%	976	1,105	130	13.3%
88.9%	945	1,089	144	15.2%
90.1%	935	1,077	142	15.2%
91.4%	903	1,056	152	16.8%
92.6%	875	1,004	129	14.8%
93.8%	841	949	107	12.8%
95.1%	830	924	94	11.3%
96.3%	748	882	133	17.8%
97.5%	748	815	67	9.0%
98.8%	741	748	7	0.9%
100.0%	266	468	202	75.9%

Table SW-28-9b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,775	10,775	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%	4,990	4,981	-8	-0.2%
19.8%	4,934	4,702	-232	-4.7%
21.0%	4,754	4,656	-98	-2.1%
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	4,253	-264	-5.8%
27.2%	4,503	4,078	-426	-9.5%
28.4%	4,048	4,068	20	0.5%
29.6%	3,869	3,869	0	0.0%
30.9%	3,828	3,828	0	0.0%
32.1%	3,740	3,724	-16	-0.4%
33.3%	3,724	3,422	-301	-8.1%
34.6%	3,373	3,283	-90	-2.7%
35.8%	3,284	3,119	-164	-5.0%
37.0%	3,082	2,954	-128	-4.1%
38.3%	2,985	2,874	-111	-3.7%
39.5%	2,912	2,872	-40	-1.4%
40.7%	2,879	2,789	-90	-3.1%
42.0%	2,872	2,784	-88	-3.1%
43.2%	2,844	2,670	-174	-6.1%
44.4%	2,789	2,528	-261	-9.4%
45.7%	2,748	2,523	-225	-8.2%
46.9%	2,677	2,500	-177	-6.6%
48.1%	2,676	2,453	-223	-8.3%
49.4%	2,658	2,377	-281	-10.6%
50.6%	2,587	2,358	-229	-8.9%
51.9%	2,542	2,188	-354	-13.9%
53.1%	2,530	2,143	-387	-15.3%
54.3%	2,428	2,058	-371	-15.3%
55.6%	2,393	2,030	-363	-15.1%
56.8%	2,392	2,028	-363	-15.2%
58.0%	2,312	1,929	-382	-16.5%
59.3%	2,242	1,927	-315	-14.1%
60.5%	2,191	1,870	-321	-14.7%
61.7%	2,176	1,865	-311	-14.3%
63.0%	2,099	1,847	-252	-12.0%
64.2%	2,028	1,831	-197	-9.7%
65.4%	1,927	1,690	-238	-12.3%
66.7%	1,916	1,688	-228	-11.9%
67.9%	1,693	1,688	-5	-0.3%
69.1%	1,692	1,688	-4	-0.3%
70.4%	1,688	1,686	-2	-0.1%
71.6%	1,686	1,685	0	0.0%
72.8%	1,685	1,685	0	0.0%
74.1%	1,685	1,685	0	0.0%
75.3%	1,683	1,683	0	0.0%
76.5%	1,675	1,681	6	0.4%
77.8%	1,671	1,675	4	0.2%
79.0%	1,670	1,671	1	0.0%
80.2%	1,670	1,670	0	0.0%
81.5%	1,666	1,664	-2	-0.1%
82.7%	1,614	1,559	-55	-3.4%
84.0%	1,427	1,489	62	4.4%
85.2%	1,391	1,481	90	6.4%
86.4%	1,251	1,460	209	16.7%
87.7%	1,202	1,426	224	18.7%
88.9%	1,155	1,422	266	23.0%
90.1%	1,092	1,301	208	19.1%
91.4%	1,017	1,042	25	2.5%
92.6%	1,006	974	-32	-3.2%
93.8%	922	938	16	1.7%
95.1%	905	922	18	2.0%
96.3%	690	570	-120	-17.4%
97.5%	685	456	-229	-33.4%
98.8%	523	396	-126	-24.2%
100.0%	323	395	72	22.4%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,972	4,937	-35	-0.7%
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	4,935	-2	0.0%
9.9%	4,937	4,935	-2	0.0%
11.1%	4,937	4,934	-3	-0.1%
12.3%	4,937	4,931	-6	-0.1%
13.6%	4,937	4,926	-11	-0.2%
14.8%	4,935	4,912	-23	-0.5%
16.0%	4,935	4,774	-161	-3.3%
17.3%	4,934	4,750	-184	-3.7%
18.5%	4,933	4,716	-217	-4.4%
19.8%	4,933	4,468	-465	-9.4%
21.0%	4,931	4,459	-472	-9.6%
22.2%	4,931	4,445	-486	-9.8%
23.5%	4,930	4,367	-563	-11.4%
24.7%	4,930	4,350	-580	-11.8%
25.9%	4,929	4,334	-595	-12.1%
27.2%	4,928	4,282	-647	-13.1%
28.4%	4,923	4,194	-729	-14.8%
29.6%	4,916	4,175	-742	-15.1%
30.9%	4,912	4,082	-831	-16.9%
32.1%	4,908	4,068	-840	-17.1%
33.3%	4,838	3,947	-891	-18.4%
34.6%	4,647	3,937	-711	-15.3%
35.8%	4,595	3,902	-693	-15.1%
37.0%	4,582	3,880	-701	-15.3%
38.3%	4,508	3,844	-664	-14.7%
39.5%	4,497	3,813	-684	-15.2%
40.7%	4,466	3,802	-664	-14.9%
42.0%	4,459	3,754	-705	-15.8%
43.2%	4,322	3,722	-601	-13.9%
44.4%	4,049	3,570	-479	-11.8%
45.7%	3,937	3,464	-472	-12.0%
46.9%	3,849	3,442	-407	-10.6%
48.1%	3,830	3,429	-401	-10.5%
49.4%	3,722	3,196	-526	-14.1%
50.6%	3,554	3,191	-362	-10.2%
51.9%	3,527	3,140	-387	-11.0%
53.1%	3,498	3,053	-445	-12.7%
54.3%	3,480	2,999	-481	-13.8%
55.6%	3,330	2,973	-356	-10.7%
56.8%	3,309	2,948	-361	-10.9%
58.0%	3,205	2,928	-277	-8.7%
59.3%	3,158	2,859	-299	-9.5%
60.5%	3,047	2,820	-227	-7.4%
61.7%	3,025	2,750	-275	-9.1%
63.0%	2,973	2,732	-241	-8.1%
64.2%	2,963	2,712	-250	-8.5%
65.4%	2,948	2,685	-264	-8.9%
66.7%	2,919	2,677	-242	-8.3%
67.9%	2,878	2,675	-204	-7.1%
69.1%	2,859	2,669	-190	-6.6%
70.4%	2,822	2,627	-195	-6.9%
71.6%	2,795	2,612	-183	-6.5%
72.8%	2,712	2,597	-115	-4.2%
74.1%	2,691	2,569	-123	-4.6%
75.3%	2,675	2,568	-107	-4.0%
76.5%	2,612	2,522	-90	-3.5%
77.8%	2,610	2,461	-149	-5.7%
79.0%	2,593	2,452	-140	-5.4%
80.2%	2,461	2,320	-141	-5.7%
81.5%	2,435	2,290	-145	-5.9%
82.7%	2,320	1,928	-392	-16.9%
84.0%	2,063	1,895	-168	-8.1%
85.2%	2,059	1,755	-304	-14.7%
86.4%	1,858	1,579	-280	-15.1%
87.7%	1,755	1,525	-230	-13.1%
88.9%	1,648	1,459	-188	-11.4%
90.1%	1,621	1,418	-203	-12.5%
91.4%	1,550	1,373	-176	-11.4%
92.6%	1,400	1,308	-92	-6.6%
93.8%	1,302	1,237	-65	-5.0%
95.1%	799	1,078	279	34.9%
96.3%	761	1,057	296	38.9%
97.5%	694	705	10	1.5%
98.8%	405	509	104	25.8%
100.0%	321	384	63	19.7%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,375	0	0.0%
1.2%	4,262	4,171	-91	-2.1%
2.5%	4,168	4,168	0	0.0%
3.7%	4,166	4,049	-117	-2.8%
4.9%	4,049	4,010	-39	-1.0%
6.2%	4,010	3,975	-34	-0.9%
7.4%	3,975	3,940	-36	-0.9%
8.6%	3,946	3,909	-37	-0.9%
9.9%	3,945	3,906	-39	-1.0%
11.1%	3,940	3,900	-39	-1.0%
12.3%	3,909	3,822	-87	-2.2%
13.6%	3,906	3,806	-100	-2.6%
14.8%	3,900	3,762	-139	-3.6%
16.0%	3,822	3,732	-90	-2.3%
17.3%	3,757	3,654	-103	-2.7%
18.5%	3,608	3,612	5	0.1%
19.8%	3,584	3,464	-120	-3.3%
21.0%	3,384	3,444	60	1.8%
22.2%	3,367	3,249	-118	-3.5%
23.5%	3,321	3,248	-73	-2.2%
24.7%	3,319	3,241	-78	-2.3%
25.9%	3,311	3,220	-91	-2.7%
27.2%	3,190	3,110	-80	-2.5%
28.4%	3,153	3,082	-71	-2.2%
29.6%	3,131	3,076	-55	-1.8%
30.9%	3,077	2,954	-123	-4.0%
32.1%	3,065	2,943	-122	-4.0%
33.3%	2,872	2,940	67	2.3%
34.6%	2,818	2,931	112	4.0%
35.8%	2,816	2,928	112	4.0%
37.0%	2,780	2,818	38	1.4%
38.3%	2,745	2,680	-65	-2.4%
39.5%	2,689	2,669	-19	-0.7%
40.7%	2,592	2,668	76	2.9%
42.0%	2,588	2,666	78	3.0%
43.2%	2,583	2,629	45	1.8%
44.4%	2,576	2,591	14	0.6%
45.7%	2,545	2,588	43	1.7%
46.9%	2,513	2,538	25	1.0%
48.1%	2,420	2,517	98	4.0%
49.4%	2,402	2,511	109	4.5%
50.6%	2,349	2,508	159	6.8%
51.9%	2,287	2,417	130	5.7%
53.1%	2,286	2,383	97	4.2%
54.3%	2,261	2,363	103	4.6%
55.6%	2,247	2,347	99	4.4%
56.8%	2,217	2,237	21	0.9%
58.0%	2,216	2,119	-97	-4.4%
59.3%	2,213	2,072	-142	-6.4%
60.5%	2,176	2,014	-161	-7.4%
61.7%	2,144	1,950	-194	-9.1%
63.0%	2,051	1,924	-128	-6.2%
64.2%	1,926	1,918	-8	-0.4%
65.4%	1,888	1,914	25	1.4%
66.7%	1,848	1,910	62	3.4%
67.9%	1,811	1,909	98	5.4%
69.1%	1,662	1,888	225	13.5%
70.4%	1,662	1,831	169	10.2%
71.6%	1,659	1,735	76	4.6%
72.8%	1,659	1,732	74	4.4%
74.1%	1,659	1,664	6	0.3%
75.3%	1,659	1,661	2	0.1%
76.5%	1,659	1,659	0	0.0%
77.8%	1,553	1,645	92	5.9%
79.0%	1,399	1,644	245	17.5%
80.2%	1,290	1,521	232	18.0%
81.5%	1,279	1,499	220	17.2%
82.7%	1,225	1,498	272	22.2%
84.0%	1,221	1,473	252	20.7%
85.2%	1,172	1,397	225	19.2%
86.4%	1,115	1,304	190	17.0%
87.7%	918	1,075	156	17.0%
88.9%	918	1,031	113	12.3%
90.1%	913	972	60	6.5%
91.4%	890	948	58	6.5%
92.6%	807	904	97	12.0%
93.8%	747	900	153	20.4%
95.1%	734	829	95	13.0%
96.3%	733	749	16	2.2%
97.5%	693	650	-42	-6.1%
98.8%	634	602	-32	-5.1%
100.0%	210	415	206	97.9%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,912	-23	-0.5%
1.2%	4,935	4,544	-391	-7.9%
2.5%	4,924	4,420	-503	-10.2%
3.7%	4,918	4,287	-631	-12.8%
4.9%	4,913	4,234	-678	-13.8%
6.2%	4,888	4,188	-700	-14.3%
7.4%	4,834	4,186	-648	-13.4%
8.6%	4,758	4,134	-624	-13.1%
9.9%	4,655	4,028	-627	-13.5%
11.1%	4,647	3,969	-678	-14.6%
12.3%	4,585	3,947	-638	-13.9%
13.6%	4,420	3,936	-484	-11.0%
14.8%	4,408	3,931	-477	-10.8%
16.0%	4,348	3,923	-425	-9.8%
17.3%	4,287	3,913	-374	-8.7%
18.5%	4,230	3,901	-330	-7.8%
19.8%	4,223	3,893	-331	-7.8%
21.0%	4,188	3,890	-299	-7.1%
22.2%	4,147	3,877	-271	-6.5%
23.5%	4,146	3,827	-319	-7.7%
24.7%	4,113	3,824	-289	-7.0%
25.9%	4,106	3,796	-310	-7.5%
27.2%	3,976	3,761	-216	-5.4%
28.4%	3,902	3,712	-190	-4.9%
29.6%	3,852	3,664	-188	-4.9%
30.9%	3,827	3,589	-238	-6.2%
32.1%	3,799	3,403	-396	-10.4%
33.3%	3,587	3,270	-317	-8.8%
34.6%	3,483	3,269	-214	-6.1%
35.8%	3,221	3,199	-22	-0.7%
37.0%	2,956	2,950	-6	-0.2%
38.3%	2,918	2,874	-44	-1.5%
39.5%	2,879	2,823	-56	-2.0%
40.7%	2,762	2,813	51	1.8%
42.0%	2,721	2,779	58	2.1%
43.2%	2,720	2,692	-28	-1.0%
44.4%	2,569	2,643	74	2.9%
45.7%	2,499	2,605	107	4.3%
46.9%	2,496	2,540	45	1.8%
48.1%	2,436	2,449	13	0.5%
49.4%	2,256	2,444	188	8.3%
50.6%	2,176	2,359	184	8.4%
51.9%	2,170	2,317	147	6.8%
53.1%	2,009	2,149	140	7.0%
54.3%	1,985	2,107	122	6.1%
55.6%	1,955	2,047	92	4.7%
56.8%	1,953	1,822	-131	-6.7%
58.0%	1,951	1,816	-136	-7.0%
59.3%	1,914	1,687	-227	-11.8%
60.5%	1,902	1,585	-317	-16.7%
61.7%	1,862	1,581	-281	-15.1%
63.0%	1,812	1,574	-238	-13.1%
64.2%	1,810	1,514	-296	-16.4%
65.4%	1,734	1,469	-266	-15.3%
66.7%	1,726	1,464	-262	-15.2%
67.9%	1,679	1,462	-217	-12.9%
69.1%	1,583	1,460	-123	-7.8%
70.4%	1,467	1,457	-9	-0.6%
71.6%	1,461	1,454	-7	-0.5%
72.8%	1,459	1,444	-15	-1.0%
74.1%	1,459	1,333	-127	-8.7%
75.3%	1,456	1,309	-147	-10.1%
76.5%	1,426	1,305	-122	-8.5%
77.8%	1,424	1,290	-134	-9.4%
79.0%	1,292	1,278	-13	-1.0%
80.2%	1,252	1,250	-2	-0.1%
81.5%	1,082	1,227	145	13.4%
82.7%	1,056	1,212	156	14.8%
84.0%	946	1,191	245	25.9%
85.2%	923	1,179	256	27.7%
86.4%	907	1,171	264	29.1%
87.7%	889	1,103	213	24.0%
88.9%	839	1,076	236	28.1%
90.1%	829	974	145	17.5%
91.4%	754	935	181	24.0%
92.6%	747	922	175	23.5%
93.8%	747	922	175	23.5%
95.1%	740	859	119	16.1%
96.3%	691	822	131	19.0%
97.5%	503	743	241	47.9%
98.8%	425	690	264	62.2%
100.0%	356	356	0	0.0%

Table SW-29-9a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	1,413	2,726	3,303	4,348	4,989	3,607	3,091	3,277	3,145	3,057	2,259	2,339
Difference	59	74	115	56	20	36	40	54	-90	-290	25	-133
Percent Difference[3]	4.4%	2.8%	3.6%	1.3%	0.4%	1.0%	1.3%	1.7%	-2.8%	-8.7%	1.1%	-5.4%
	Water Year Types[2]											
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 D	1,615	3,904	3,622	8,606	9,009	5,918	4,996	5,711	5,450	3,403	3,075	3,644
Difference	146	97	102	53	21	3	-1	0	-12	-177	82	-431
Percent Difference	9.9%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.9%	2.8%	-10.6%
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 D	1,371	2,694	2,994	4,676	6,233	5,268	3,236	3,410	2,961	3,847	2,322	2,716
Difference	-6	43	162	200	98	49	-2	-1	3	-274	-33	-160
Percent Difference	-0.5%	1.6%	5.7%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.7%	-1.4%	-5.6%
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 D	1,544	3,348	3,900	2,298	3,992	2,297	2,898	2,612	2,331	3,840	2,219	2,087
Difference	21	86	7	109	-71	25	114	57	-19	-707	103	232
Percent Difference	1.4%	2.6%	0.2%	5.0%	-1.7%	1.1%	4.1%	2.2%	-0.8%	-15.5%	4.9%	12.5%
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 D	1,309	1,804	4,213	1,522	1,733	1,999	1,709	1,531	1,936	2,760	1,946	1,364
Difference	9	118	261	-101	50	79	13	48	-159	-211	-98	-27
Percent Difference	0.7%	7.0%	6.6%	-6.2%	3.0%	4.1%	0.7%	3.3%	-7.6%	-7.1%	-4.8%	-1.9%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative D	1,019	861	862	1,427	1,086	879	1,115	1,265	1,101	1,049	946	893
Difference	59	-27	5	94	0	44	122	235	-332	-185	53	-43
Percent Difference	6.2%	-3.1%	0.5%	7.0%	0.0%	5.3%	12.3%	22.8%	-23.2%	-15.0%	5.9%	-4.6%

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-29-9b
American River at H Street, Monthly Flow
Probability of Exceedance

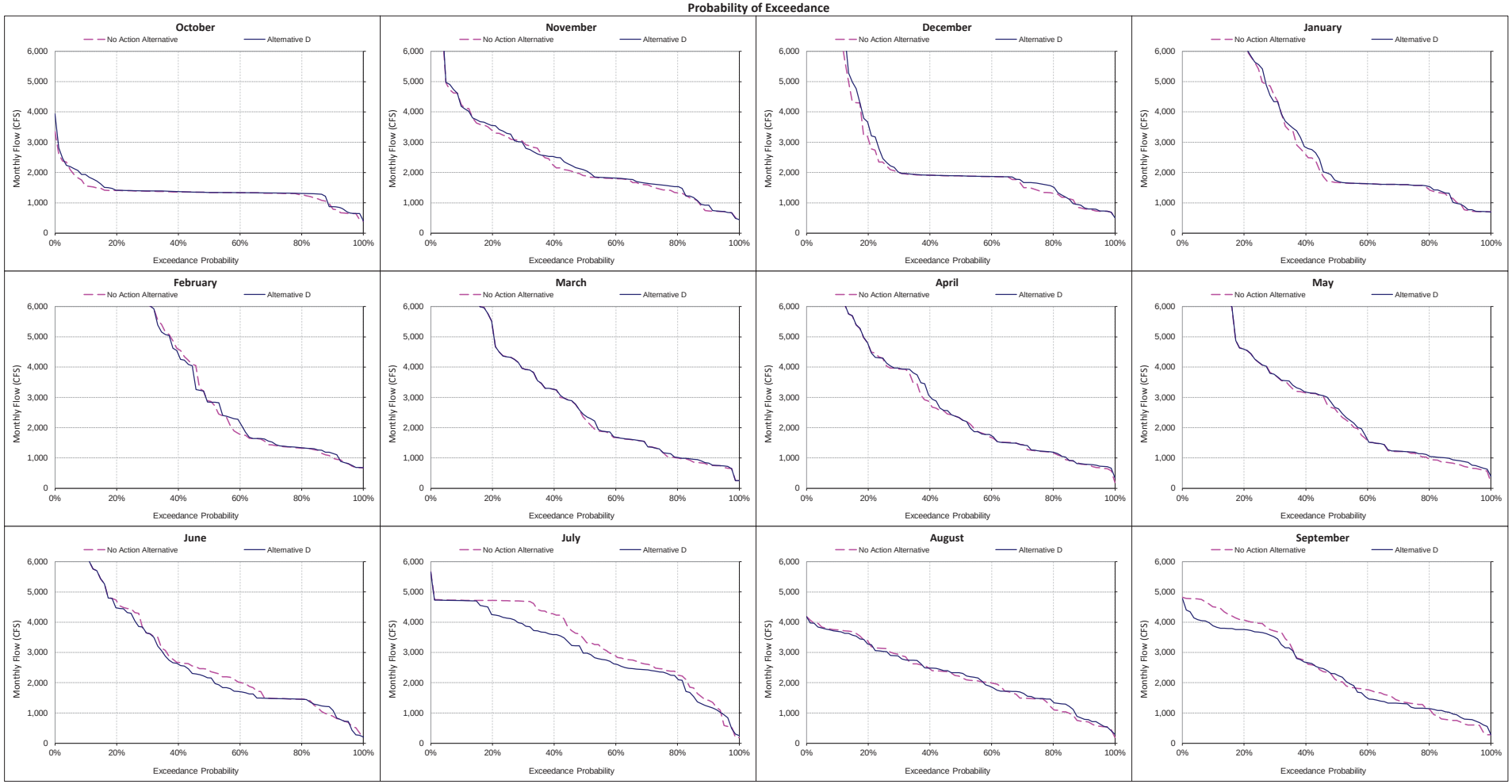

Table SW-29-9b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,937	584	17.4%
1.2%	2,603	2,813	209	8.0%
2.5%	2,376	2,469	93	3.9%
3.7%	2,348	2,240	-109	-4.6%
4.9%	2,096	2,193	97	4.6%
6.2%	1,936	2,130	193	10.0%
7.4%	1,824	2,072	247	13.6%
8.6%	1,750	1,936	186	10.6%
9.9%	1,554	1,932	378	24.3%
11.1%	1,543	1,845	302	19.6%
12.3%	1,526	1,781	255	16.7%
13.6%	1,492	1,720	228	15.3%
14.8%	1,482	1,629	147	9.9%
16.0%	1,412	1,512	100	7.1%
17.3%	1,409	1,496	87	6.2%
18.5%	1,408	1,476	68	4.9%
19.8%	1,406	1,415	9	0.6%
21.0%	1,403	1,407	4	0.3%
22.2%	1,403	1,407	4	0.3%
23.5%	1,399	1,404	5	0.4%
24.7%	1,397	1,400	4	0.3%
25.9%	1,394	1,397	2	0.2%
27.2%	1,393	1,396	4	0.3%
28.4%	1,387	1,394	7	0.5%
29.6%	1,386	1,394	8	0.6%
30.9%	1,382	1,393	10	0.8%
32.1%	1,378	1,391	12	0.9%
33.3%	1,378	1,389	12	0.8%
34.6%	1,377	1,389	12	0.9%
35.8%	1,374	1,384	10	0.8%
37.0%	1,363	1,383	21	1.5%
38.3%	1,359	1,376	17	1.2%
39.5%	1,357	1,372	14	1.0%
40.7%	1,357	1,364	6	0.5%
42.0%	1,357	1,361	4	0.3%
43.2%	1,356	1,357	1	0.1%
44.4%	1,353	1,355	1	0.1%
45.7%	1,350	1,352	2	0.1%
46.9%	1,348	1,352	4	0.3%
48.1%	1,345	1,348	3	0.2%
49.4%	1,344	1,345	1	0.1%
50.6%	1,342	1,343	2	0.1%
51.9%	1,341	1,342	1	0.1%
53.1%	1,341	1,341	1	0.1%
54.3%	1,340	1,340	0	0.0%
55.6%	1,340	1,339	-1	-0.1%
56.8%	1,337	1,338	1	0.1%
58.0%	1,336	1,337	1	0.1%
59.3%	1,335	1,336	1	0.1%
60.5%	1,335	1,336	1	0.1%
61.7%	1,334	1,336	2	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,336	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,328	2	0.2%
67.9%	1,317	1,328	10	0.8%
69.1%	1,316	1,325	9	0.7%
70.4%	1,316	1,325	10	0.7%
71.6%	1,314	1,322	9	0.7%
72.8%	1,313	1,322	8	0.6%
74.1%	1,307	1,320	13	1.0%
75.3%	1,307	1,317	10	0.8%
76.5%	1,306	1,316	10	0.8%
77.8%	1,305	1,316	12	0.9%
79.0%	1,271	1,315	44	3.5%
80.2%	1,267	1,313	47	3.7%
81.5%	1,231	1,308	77	6.2%
82.7%	1,210	1,305	95	7.8%
84.0%	1,166	1,296	131	11.2%
85.2%	1,128	1,292	164	14.5%
86.4%	1,082	1,279	197	18.2%
87.7%	1,053	1,218	166	15.7%
88.9%	969	871	-98	-10.1%
90.1%	784	870	87	11.0%
91.4%	771	858	86	11.2%
92.6%	673	838	165	24.5%
93.8%	663	763	100	15.0%
95.1%	644	682	38	5.9%
96.3%	643	651	8	1.2%
97.5%	641	643	2	0.3%
98.8%	433	643	210	48.6%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,091	309	4.6%
4.9%	4,957	4,975	18	0.4%
6.2%	4,731	4,913	181	3.8%
7.4%	4,628	4,744	117	2.5%
8.6%	4,621	4,612	-9	-0.2%
9.9%	4,251	4,187	-63	-1.5%
11.1%	4,110	4,099	-11	-0.3%
12.3%	4,109	4,024	-85	-2.1%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,740	104	2.9%
16.0%	3,582	3,681	99	2.8%
17.3%	3,566	3,657	92	2.6%
18.5%	3,506	3,601	95	2.7%
19.8%	3,401	3,548	148	4.3%
21.0%	3,298	3,543	245	7.4%
22.2%	3,295	3,416	121	3.7%
23.5%	3,235	3,366	131	4.0%
24.7%	3,202	3,294	92	2.9%
25.9%	3,101	3,264	162	5.2%
27.2%	3,085	3,050	-35	-1.1%
28.4%	3,069	3,015	-54	-1.8%
29.6%	3,039	3,011	-28	-0.9%
30.9%	2,917	2,801	-116	-4.0%
32.1%	2,877	2,760	-117	-4.1%
33.3%	2,829	2,677	-152	-5.4%
34.6%	2,803	2,613	-190	-6.8%
35.8%	2,613	2,576	-37	-1.4%
37.0%	2,488	2,556	68	2.7%
38.3%	2,450	2,532	82	3.4%
39.5%	2,263	2,532	269	11.9%
40.7%	2,152	2,498	346	16.1%
42.0%	2,151	2,485	335	15.6%
43.2%	2,091	2,355	264	12.6%
44.4%	2,079	2,288	209	10.1%
45.7%	2,040	2,227	187	9.2%
46.9%	1,983	2,165	182	9.2%
48.1%	1,968	2,127	159	8.1%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,046	162	8.6%
51.9%	1,847	1,964	118	6.4%
53.1%	1,840	1,855	15	0.8%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,840	15	0.8%
56.8%	1,813	1,838	25	1.4%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,815	19	1.1%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,791	15	0.8%
64.2%	1,757	1,776	20	1.1%
65.4%	1,667	1,766	99	5.9%
66.7%	1,666	1,700	34	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,643	55	3.5%
71.6%	1,530	1,615	86	5.6%
72.8%	1,488	1,608	120	8.1%
74.1%	1,460	1,598	138	9.4%
75.3%	1,423	1,575	151	10.6%
76.5%	1,421	1,565	143	10.1%
77.8%	1,404	1,561	157	11.2%
79.0%	1,340	1,535	195	14.6%
80.2%	1,324	1,530	206	15.6%
81.5%	1,311	1,471	160	12.2%
82.7%	1,240	1,227	-13	-1.1%
84.0%	1,162	1,225	63	5.4%
85.2%	1,137	1,170	33	2.9%
86.4%	1,061	1,069	8	0.8%
87.7%	894	947	53	6.0%
88.9%	748	925	177	23.7%
90.1%	725	918	193	26.6%
91.4%	722	747	24	3.4%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	682	0	0.0%
97.5%	672	674	2	0.2%
98.8%	513	483	-31	-6.0%
100.0%	377	447	70	18.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,510	718	3.6%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	15,657	-223	-1.4%
3.7%	15,689	15,626	-64	-0.4%
4.9%	13,769	13,762	-7	-0.1%
6.2%	12,867	13,635	767	6.0%
7.4%	8,949	9,004	55	0.6%
8.6%	8,757	8,749	-8	-0.1%
9.9%	7,132	7,129	-3	0.0%
11.1%	6,576	6,676	100	1.5%
12.3%	5,740	6,576	836	14.6%
13.6%	5,025	5,285	260	5.2%
14.8%	4,349	4,981	631	14.5%
16.0%	4,306	4,763	457	10.6%
17.3%	4,294	4,291	-3	-0.1%
18.5%	3,212	3,784	572	17.8%
19.8%	3,196	3,671	475	14.9%
21.0%	2,781	3,208	426	15.3%
22.2%	2,742	3,177	435	15.9%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,466	124	5.3%
25.9%	2,221	2,332	111	5.0%
27.2%	2,096	2,221	125	5.9%
28.4%	2,059	2,168	109	5.3%
29.6%	2,002	2,015	13	0.7%
30.9%	1,969	1,972	3	0.1%
32.1%	1,950	1,967	17	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,932	10	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,908	-2	-0.1%
42.0%	1,899	1,900	1	0.0%
43.2%	1,897	1,899	2	0.1%
44.4%	1,896	1,898	1	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,893	-3	-0.2%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,882	-2	-0.1%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,879	1	0.0%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,873	-4	-0.2%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,869	-1	-0.1%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,868	10	0.5%
63.0%	1,857	1,862	6	0.3%
64.2%	1,856	1,858	2	0.1%
65.4%	1,846	1,857	11	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,780	12	0.7%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.1%
71.6%	1,500	1,668	168	11.2%
72.8%	1,486	1,663	177	11.9%
74.1%	1,441	1,651	210	14.6%
75.3%	1,400	1,640	240	17.1%
76.5%	1,342	1,617	275	20.5%
77.8%	1,340	1,581	241	18.0%
79.0%	1,333	1,570	237	17.8%
80.2%	1,303	1,504	202	15.5%
81.5%	1,285	1,329	44	3.4%
82.7%	1,181	1,259	78	6.6%
84.0%	1,178	1,191	13	1.1%
85.2%	1,132	1,115	-17	-1.5%
86.4%	1,094	970	-125	-11.4%
87.7%	852	946	95	11.1%
88.9%	829	921	92	11.1%
90.1%	799	826	27	3.4%
91.4%	790	797	7	0.9%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	730	9	1.2%
97.5%	718	722	3	0.5%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	30,565	-706	-2.3%
1.2%	20,335	20,332	-2	0.0%
2.5%	17,648	17,638	-10	-0.1%
3.7%	15,531	15,821	290	1.9%
4.9%	14,746	15,520	773	5.2%
6.2%	12,801	12,795	-6	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,740	-5	0.0%
9.9%	10,534	10,595	61	0.6%
11.1%	9,896	10,277	381	3.9%
12.3%	9,298	9,288	-10	-0.1%
13.6%	9,052	9,053	1	0.0%
14.8%	8,927	8,923	-4	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,406	-56	-0.7%
18.5%	6,778	6,708	-71	-1.0%
19.8%	6,640	6,524	-116	-1.7%
21.0%	6,012	6,045	33	0.5%
22.2%	5,818	5,838	20	0.3%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,565	148	2.7%
25.9%	4,982	5,416	434	8.7%
27.2%	4,907	4,894	-13	-0.3%
28.4%	4,861	4,552	-309	-6.4%
29.6%	4,565	4,340	-226	-4.9%
30.9%	4,346	4,338	-8	-0.2%
32.1%	3,937	3,932	-5	-0.1%
33.3%	3,528	3,692	164	4.7%
34.6%	3,392	3,579	188	5.5%
35.8%	3,364	3,469	105	3.1%
37.0%	2,907	3,373	466	16.0%
38.3%	2,782	3,156	374	13.4%
39.5%	2,644	2,853	209	7.9%
40.7%	2,487	2,791	304	12.2%
42.0%	2,482	2,759	277	11.2%
43.2%	2,375	2,644	269	11.3%
44.4%	2,079	2,440	361	17.3%
45.7%	1,863	2,018	155	8.3%
46.9%	1,712	1,988	276	16.1%
48.1%	1,704	1,925	221	13.0%
49.4%	1,676	1,750	75	4.4%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,638	7	0.4%
59.3%	1,631	1,631	0	0.0%
60.5%	1,627	1,629	3	0.2%
61.7%	1,621	1,627	5	0.3%
63.0%	1,616	1,616	0	0.0%
64.2%	1,612	1,612	0	0.0%
65.4%	1,610	1,610	0	0.0%
66.7%	1,608	1,608	0	0.0%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,607	0	0.0%
70.4%	1,600	1,600	0	0.0%
71.6%	1,599	1,599	0	0.0%
72.8%	1,597	1,597	0	0.0%
74.1%	1,582	1,582	0	0.0%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,558	40	2.7%
80.2%	1,418	1,526	108	7.6%
81.5%	1,375	1,426	50	3.7%
82.7%	1,340	1,424	84	6.2%
84.0%	1,325	1,373	48	3.6%
85.2%	1,296	1,327	32	2.4%
86.4%	1,173	1,317	144	12.3%
87.7%	1,149	1,018	-131	-11.4%
88.9%	1,016	982	-34	-3.4%
90.1%	973	952	-22	-2.2%
91.4%	774	876	102	13.2%
92.6%	748	774	26	3.5%
93.8%	721	772	51	7.1%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	708	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-29-9b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,215	-11	0.0%
1.2%	15,568	15,437	-131	-0.8%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,465	10	0.1%
4.9%	13,388	13,392	4	0.0%
6.2%	13,055	13,045	-10	-0.1%
7.4%	12,559	12,849	290	2.3%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,314	-5	0.0%
11.1%	11,196	11,186	-10	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,508	1	0.0%
14.8%	10,012	10,009	-3	0.0%
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%	9,165	9,152	-13	-0.1%
21.0%	7,881	8,435	554	7.0%
22.2%	7,868	7,862	-6	-0.1%
23.5%	7,716	7,371	-345	-4.5%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,028	-2	0.0%
27.2%	6,732	6,701	-30	-0.5%
28.4%	6,105	6,578	473	7.7%
29.6%	6,075	6,076	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	5,398	-154	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,044	-30	-0.6%
38.3%	4,864	4,620	-243	-5.0%
39.5%	4,621	4,547	-74	-1.6%
40.7%	4,549	4,256	-293	-6.4%
42.0%	4,346	4,233	-113	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,234	-59	-1.8%
48.1%	3,218	3,210	-8	-0.2%
49.4%	2,895	2,846	-48	-1.7%
50.6%	2,865	2,843	-22	-0.8%
51.9%	2,723	2,841	118	4.3%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,402	6	0.3%
55.6%	2,347	2,382	35	1.5%
56.8%	2,066	2,338	272	13.2%
58.0%	1,895	2,297	401	21.2%
59.3%	1,814	2,275	461	25.4%
60.5%	1,754	2,067	313	17.9%
61.7%	1,747	1,855	108	6.2%
63.0%	1,646	1,686	40	2.5%
64.2%	1,642	1,646	4	0.2%
65.4%	1,640	1,642	2	0.1%
66.7%	1,622	1,640	18	1.1%
67.9%	1,556	1,622	66	4.2%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,527	93	6.5%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,397	4	0.3%
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	1,303	29	2.3%
85.2%	1,253	1,261	8	0.7%
86.4%	1,152	1,259	108	9.4%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,150	164	16.6%
91.4%	954	1,108	154	16.1%
92.6%	936	887	-49	-5.3%
93.8%	842	849	7	0.8%
95.1%	815	815	0	0.0%
96.3%	731	755	23	3.2%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,577	6	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,302	426	3.6%
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	10,446	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,378	584	7.5%
11.1%	7,547	7,662	115	1.5%
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	5,967	-2	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,524	6	0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	2	0.0%
23.5%	4,368	4,362	-6	-0.1%
24.7%	4,347	4,341	-6	-0.1%
25.9%	4,330	4,320	-10	-0.2%
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%	3,909	3,907	-2	0.0%
33.3%	3,831	3,809	-21	-0.6%
34.6%	3,544	3,555	11	0.3%
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	-0.1%
42.0%	2,998	3,063	66	2.2%
43.2%	2,979	2,975	-4	-0.1%
44.4%	2,924	2,914	-11	-0.4%
45.7%	2,880	2,887	7	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,445	82	3.5%
50.6%	2,223	2,350	127	5.7%
51.9%	2,080	2,299	219	10.5%
53.1%	1,952	2,223	271	13.9%
54.3%	1,882	1,935	53	2.8%
55.6%	1,872	1,885	14	0.7%
56.8%	1,864	1,867	4	0.2%
58.0%	1,788	1,863	75	4.2%
59.3%	1,678	1,702	24	1.4%
60.5%	1,670	1,678	8	0.5%
61.7%	1,653	1,653	0	0.0%
63.0%	1,624	1,631	7	0.4%
64.2%	1,618	1,624	6	0.4%
65.4%	1,597	1,597	0	0.0%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,563	0	0.0%
69.1%	1,552	1,547	-5	-0.3%
70.4%	1,383	1,362	-22	-1.6%
71.6%	1,362	1,360	-1	-0.1%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,171	-2	-0.2%
76.5%	1,055	1,158	102	9.7%
77.8%	1,035	1,140	105	10.1%
79.0%	1,014	1,028	15	1.4%
80.2%	1,000	1,017	17	1.7%
81.5%	974	992	17	1.8%
82.7%	969	989	20	2.1%
84.0%	932	976	43	4.7%
85.2%	865	957	92	10.6%
86.4%	854	948	94	11.0%
87.7%	833	903	70	8.4%
88.9%	823	844	22	2.6%
90.1%	757	833	76	10.0%
91.4%	753	762	9	1.2%
92.6%	743	753	10	1.3%
93.8%	743	743	0	0.0%
95.1%	685	739	54	7.9%
96.3%	664	722	58	8.7%
97.5%	655	649	-7	-1.0%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,287	-1	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	6,696	3	0.1%
7.4%	6,681	6,681	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	0	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	4,323	-138	-3.1%
23.5%	4,336	4,306	-30	-0.7%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,128	87	2.2%
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	3,933	7	0.2%
33.3%	3,812	3,931	120	3.1%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,746	280	8.1%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,455	532	18.2%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,937	258	9.6%
42.0%	2,643	2,879	235	8.9%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,430	0	0.0%
48.1%	2,388	2,379	-9	-0.4%
49.4%	2,339	2,339	0	0.0%
50.6%	2,254	2,245	-9	-0.4%
51.9%	2,211	2,206	-5	-0.2%
53.1%	2,114	1,983	-132	-6.2%
54.3%	1,983	1,869	-114	-5.7%
55.6%	1,869	1,867	-2	-0.1%
56.8%	1,823	1,795	-28	-1.5%
58.0%	1,777	1,779	2	0.1%
59.3%	1,702	1,776	74	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,541	-20	-1.3%
63.0%	1,525	1,512	-13	-0.8%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,493	-10	-0.7%
67.9%	1,492	1,492	0	0.0%
69.1%	1,450	1,450	0	0.0%
70.4%	1,427	1,422	-5	-0.4%
71.6%	1,269	1,412	142	11.2%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,236	18	1.5%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,205	6	0.5%
80.2%	1,155	1,184	30	2.6%
81.5%	1,098	1,143	45	4.1%
82.7%	1,054	1,052	-2	-0.2%
84.0%	948	1,032	85	8.9%
85.2%	919	913	-5	-0.6%
86.4%	899	911	12	1.3%
87.7%	850	815	-35	-4.2%
88.9%	798	812	14	1.7%
90.1%	783	797	13	1.7%
91.4%	783	792	9	1.1%
92.6%	720	777	57	7.9%
93.8%	685	762	77	11.3%
95.1%	680	727	47	6.9%
96.3%	654	719	65	9.9%
97.5%	640	709	69	10.8%
98.8%	579	658	80	13.8%
100.0%	188	345	157	83.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,874	-15	-0.3%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,072	9	0.2%
27.2%	4,060	4,029	-30	-0.7%
28.4%	3,817	3,794	-23	-0.6%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,681	25	0.7%
32.1%	3,550	3,571	22	0.6%
33.3%	3,544	3,550	5	0.2%
34.6%	3,397	3,544	147	4.3%
35.8%	3,275	3,397	122	3.7%
37.0%	3,195	3,317	121	3.8%
38.3%	3,191	3,275	84	2.6%
39.5%	3,160	3,191	31	1.0%
40.7%	3,142	3,162	20	0.6%
42.0%	3,134	3,142	9	0.3%
43.2%	3,121	3,134	13	0.4%
44.4%	3,060	3,081	21	0.7%
45.7%	3,034	3,060	26	0.9%
46.9%	2,760	3,005	245	8.9%
48.1%	2,674	2,852	179	6.7%
49.4%	2,626	2,671	45	1.7%
50.6%	2,465	2,626	161	6.5%
51.9%	2,333	2,465	132	5.7%
53.1%	2,254	2,333	79	3.5%
54.3%	2,151	2,243	93	4.3%
55.6%	2,011	2,151	139	6.9%
56.8%	1,969	2,010	41	2.1%
58.0%	1,750	1,971	220	12.6%
59.3%	1,649	1,750	102	6.2%
60.5%	1,518	1,518	0	0.0%
61.7%	1,504	1,504	0	0.0%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,277	42	3.4%
67.9%	1,221	1,235	14	1.1%
69.1%	1,217	1,228	11	0.9%
70.4%	1,211	1,221	10	0.9%
71.6%	1,210	1,217	7	0.5%
72.8%	1,201	1,210	9	0.7%
74.1%	1,154	1,201	47	4.1%
75.3%	1,153	1,187	35	3.0%
76.5%	1,090	1,141	51	4.7%
77.8%	1,038	1,141	102	9.9%
79.0%	1,029	1,114	85	8.2%
80.2%	947	1,045	98	10.4%
81.5%	941	1,042	101	10.7%
82.7%	928	1,019	91	9.8%
84.0%	870	1,018	147	16.9%
85.2%	863	1,004	141	16.3%
86.4%	845	985	139	16.5%
87.7%	830	939	109	13.2%
88.9%	796	923	128	16.0%
90.1%	768	909	140	18.3%
91.4%	716	878	162	22.6%
92.6%	698	858	160	23.0%
93.8%	661	761	100	15.2%
95.1%	649	748	99	15.3%
96.3%	627	705	78	12.5%
97.5%	594	661	67	11.3%
98.8%	571	626	55	9.6%
100.0%	188	390	202	107.4%

Table SW-29-9b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	4,800	-17	-0.4%
18.5%	4,789	4,789	0	0.0%
19.8%	4,739	4,482	-257	-5.4%
21.0%	4,541	4,450	-90	-2.0%
22.2%	4,482	4,442	-40	-0.9%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,039	-276	-6.4%
27.2%	4,294	3,857	-437	-10.2%
28.4%	3,813	3,842	29	0.8%
29.6%	3,647	3,647	0	0.0%
30.9%	3,617	3,617	0	0.0%
32.1%	3,526	3,500	-26	-0.7%
33.3%	3,500	3,214	-287	-8.2%
34.6%	3,143	3,065	-78	-2.5%
35.8%	3,065	2,879	-186	-6.1%
37.0%	2,864	2,746	-118	-4.1%
38.3%	2,776	2,657	-119	-4.3%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,571	-91	-3.4%
42.0%	2,639	2,553	-86	-3.2%
43.2%	2,635	2,457	-177	-6.7%
44.4%	2,553	2,309	-245	-9.6%
45.7%	2,528	2,294	-233	-9.2%
46.9%	2,468	2,268	-200	-8.1%
48.1%	2,464	2,223	-241	-9.8%
49.4%	2,447	2,161	-286	-11.7%
50.6%	2,363	2,159	-204	-8.6%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,932	-364	-15.8%
54.3%	2,197	1,839	-358	-16.3%
55.6%	2,193	1,837	-355	-16.2%
56.8%	2,176	1,806	-370	-17.0%
58.0%	2,116	1,720	-396	-18.7%
59.3%	2,029	1,712	-318	-15.6%
60.5%	1,997	1,696	-301	-15.1%
61.7%	1,966	1,670	-296	-15.1%
63.0%	1,882	1,631	-250	-13.3%
64.2%	1,839	1,627	-211	-11.5%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,356	-47	-3.4%
84.0%	1,254	1,293	40	3.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,238	193	18.4%
87.7%	980	1,220	240	24.5%
88.9%	946	1,206	261	27.5%
90.1%	889	1,087	198	22.2%
91.4%	814	829	15	1.9%
92.6%	803	782	-21	-2.6%
93.8%	726	726	0	0.0%
95.1%	690	724	33	4.8%
96.3%	550	430	-120	-21.8%
97.5%	511	282	-229	-44.8%
98.8%	332	260	-71	-21.5%
100.0%	188	205	17	9.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,733	-10	-0.2%
2.5%	4,743	4,727	-16	-0.3%
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	4,720	-7	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,717	-9	-0.2%
11.1%	4,724	4,716	-7	-0.2%
12.3%	4,723	4,709	-14	-0.3%
13.6%	4,723	4,705	-18	-0.4%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,552	-168	-3.6%
17.3%	4,719	4,530	-188	-4.0%
18.5%	4,718	4,504	-214	-4.5%
19.8%	4,717	4,252	-465	-9.9%
21.0%	4,717	4,232	-485	-10.3%
22.2%	4,716	4,213	-503	-10.7%
23.5%	4,712	4,157	-555	-11.8%
24.7%	4,709	4,132	-577	-12.3%
25.9%	4,707	4,115	-592	-12.6%
27.2%	4,707	4,072	-635	-13.5%
28.4%	4,702	3,986	-716	-15.2%
29.6%	4,698	3,960	-739	-15.7%
30.9%	4,690	3,869	-821	-17.5%
32.1%	4,684	3,853	-831	-17.7%
33.3%	4,623	3,723	-901	-19.5%
34.6%	4,424	3,713	-710	-16.1%
35.8%	4,373	3,670	-703	-16.1%
37.0%	4,364	3,663	-701	-16.1%
38.3%	4,288	3,613	-675	-15.8%
39.5%	4,282	3,593	-689	-16.1%
40.7%	4,233	3,588	-644	-15.2%
42.0%	4,232	3,546	-686	-16.2%
43.2%	4,105	3,480	-624	-15.2%
44.4%	3,838	3,355	-483	-12.6%
45.7%	3,723	3,230	-493	-13.2%
46.9%	3,639	3,223	-416	-11.4%
48.1%	3,615	3,219	-395	-10.9%
49.4%	3,480	2,977	-503	-14.5%
50.6%	3,323	2,976	-346	-10.4%
51.9%	3,319	2,925	-394	-11.9%
53.1%	3,262	2,827	-435	-13.3%
54.3%	3,260	2,792	-468	-14.3%
55.6%	3,123	2,772	-351	-11.2%
56.8%	3,068	2,754	-314	-10.2%
58.0%	2,979	2,710	-269	-9.0%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,602	-232	-8.2%
61.7%	2,819	2,544	-275	-9.8%
63.0%	2,772	2,504	-268	-9.7%
64.2%	2,754	2,475	-279	-10.1%
65.4%	2,750	2,466	-284	-10.3%
66.7%	2,706	2,446	-261	-9.6%
67.9%	2,659	2,441	-217	-8.2%
69.1%	2,623	2,436	-187	-7.1%
70.4%	2,609	2,421	-188	-7.2%
71.6%	2,578	2,400	-178	-6.9%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,358	-108	-4.4%
75.3%	2,457	2,352	-105	-4.3%
76.5%	2,396	2,304	-92	-3.8%
77.8%	2,383	2,247	-136	-5.7%
79.0%	2,382	2,238	-144	-6.0%
80.2%	2,247	2,101	-147	-6.5%
81.5%	2,225	2,077	-148	-6.6%
82.7%	2,102	1,709	-394	-18.7%
84.0%	1,849	1,682	-167	-9.0%
85.2%	1,824	1,544	-280	-15.4%
86.4%	1,644	1,365	-278	-16.9%
87.7%	1,542	1,313	-229	-14.9%
88.9%	1,443	1,250	-193	-13.4%
90.1%	1,413	1,207	-206	-14.6%
91.4%	1,349	1,165	-184	-13.6%
92.6%	1,190	1,108	-82	-6.9%
93.8%	1,091	1,027	-64	-5.9%
95.1%	588	940	352	60.0%
96.3%	556	840	284	51.0%
97.5%	546	490	-56	-10.3%
98.8%	188	304	116	61.6%
100.0%	188	251	63	33.6%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	3,972	-96	-2.4%
2.5%	3,969	3,969	0	0.0%
3.7%	3,967	3,838	-129	-3.2%
4.9%	3,838	3,809	-29	-0.8%
6.2%	3,809	3,778	-31	-0.8%
7.4%	3,778	3,747	-31	-0.8%
8.6%	3,757	3,717	-40	-1.1%
9.9%	3,747	3,703	-44	-1.2%
11.1%	3,742	3,685	-57	-1.5%
12.3%	3,717	3,634	-84	-2.3%
13.6%	3,703	3,631	-72	-1.9%
14.8%	3,685	3,575	-111	-3.0%
16.0%	3,634	3,538	-95	-2.6%
17.3%	3,548	3,451	-97	-2.7%
18.5%	3,421	3,427	6	0.2%
19.8%	3,392	3,283	-110	-3.2%
21.0%	3,192	3,255	64	2.0%
22.2%	3,157	3,058	-98	-3.1%
23.5%	3,143	3,052	-92	-2.9%
24.7%	3,136	3,035	-101	-3.2%
25.9%	3,125	3,031	-95	-3.0%
27.2%	3,008	2,903	-105	-3.5%
28.4%	2,967	2,891	-76	-2.6%
29.6%	2,941	2,887	-54	-1.8%
30.9%	2,892	2,785	-107	-3.7%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,746	58	2.2%
34.6%	2,628	2,742	114	4.4%
35.8%	2,625	2,734	109	4.1%
37.0%	2,594	2,626	32	1.2%
38.3%	2,562	2,491	-71	-2.8%
39.5%	2,501	2,484	-17	-0.7%
40.7%	2,398	2,481	82	3.4%
42.0%	2,393	2,475	81	3.4%
43.2%	2,391	2,439	48	2.0%
44.4%	2,372	2,402	30	1.3%
45.7%	2,360	2,398	38	1.6%
46.9%	2,323	2,334	11	0.5%
48.1%	2,238	2,334	96	4.3%
49.4%	2,224	2,331	108	4.8%
50.6%	2,158	2,307	149	6.9%
51.9%	2,098	2,227	130	6.2%
53.1%	2,079	2,198	119	5.7%
54.3%	2,074	2,182	108	5.2%
55.6%	2,063	2,153	91	4.4%
56.8%	2,029	2,052	24	1.2%
58.0%	2,020	1,932	-88	-4.4%
59.3%	2,013	1,889	-124	-6.2%
60.5%	1,982	1,828	-154	-7.8%
61.7%	1,949	1,755	-194	-10.0%
63.0%	1,866	1,724	-143	-7.6%
64.2%	1,726	1,722	-4	-0.3%
65.4%	1,699	1,717	18	1.1%
66.7%	1,667	1,715	48	2.9%
67.9%	1,617	1,714	96	6.0%
69.1%	1,489	1,699	210	14.1%
70.4%	1,489	1,641	152	10.2%
71.6%	1,482	1,551	69	4.7%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	9	0.6%
76.5%	1,466	1,474	7	0.5%
77.8%	1,370	1,459	89	6.5%
79.0%	1,213	1,459	246	20.3%
80.2%	1,102	1,334	232	21.1%
81.5%	1,093	1,316	223	20.4%
82.7%	1,041	1,305	263	25.3%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,217	225	22.6%
86.4%	922	1,116	194	21.1%
87.7%	750	891	141	18.7%
88.9%	728	844	115	15.8%
90.1%	723	787	63	8.8%
91.4%	703	780	77	11.0%
92.6%	624	717	93	14.9%
93.8%	571	715	144	25.2%
95.1%	561	640	79	14.2%
96.3%	549	559	11	1.9%
97.5%	545	529	-17	-3.1%
98.8%	444	411	-32	-7.3%
100.0%	188	298	110	58.3%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,399	-392	-8.2%
2.5%	4,781	4,341	-440	-9.2%
3.7%	4,778	4,144	-634	-13.3%
4.9%	4,773	4,081	-692	-14.5%
6.2%	4,751	4,051	-700	-14.7%
7.4%	4,679	4,039	-640	-13.7%
8.6%	4,607	3,983	-624	-13.5%
9.9%	4,514	3,880	-634	-14.0%
11.1%	4,494	3,834	-660	-14.7%
12.3%	4,463	3,801	-662	-14.8%
13.6%	4,341	3,800	-540	-12.5%
14.8%	4,265	3,795	-470	-11.0%
16.0%	4,210	3,789	-422	-10.0%
17.3%	4,144	3,762	-383	-9.2%
18.5%	4,089	3,757	-332	-8.1%
19.8%	4,080	3,756	-324	-7.9%
21.0%	4,039	3,750	-290	-7.2%
22.2%	4,004	3,722	-282	-7.1%
23.5%	4,001	3,684	-317	-7.9%
24.7%	3,965	3,678	-287	-7.2%
25.9%	3,960	3,657	-303	-7.6%
27.2%	3,840	3,621	-219	-5.7%
28.4%	3,758	3,571	-187	-5.0%
29.6%	3,712	3,520	-192	-5.2%
30.9%	3,684	3,443	-240	-6.5%
32.1%	3,660	3,257	-403	-11.0%
33.3%	3,453	3,158	-296	-8.6%
34.6%	3,337	3,153	-184	-5.5%
35.8%	3,078	3,053	-25	-0.8%
37.0%	2,813	2,805	-8	-0.3%
38.3%	2,784	2,764	-21	-0.7%
39.5%	2,739	2,686	-52	-1.9%
40.7%	2,610	2,662	52	2.0%
42.0%	2,588	2,633	46	1.8%
43.2%	2,569	2,540	-29	-1.1%
44.4%	2,428	2,491	63	2.6%
45.7%	2,368	2,468	100	4.2%
46.9%	2,350	2,397	48	2.0%
48.1%	2,286	2,303	18	0.8%
49.4%	2,119	2,303	183	8.7%
50.6%	2,029	2,228	199	9.8%
51.9%	2,027	2,184	157	7.7%
53.1%	1,897	2,040	143	7.5%
54.3%	1,842	1,966	124	6.7%
55.6%	1,835	1,908	73	4.0%
56.8%	1,813	1,689	-124	-6.8%
58.0%	1,806	1,672	-134	-7.4%
59.3%	1,776	1,541	-235	-13.2%
60.5%	1,763	1,461	-302	-17.1%
61.7%	1,722	1,448	-274	-15.9%
63.0%	1,671	1,431	-240	-14.4%
64.2%	1,665	1,396	-270	-16.2%
65.4%	1,610	1,374	-236	-14.7%
66.7%	1,585	1,327	-258	-16.3%
67.9%	1,535	1,323	-212	-13.8%
69.1%	1,438	1,323	-115	-8.0%
70.4%	1,396	1,319	-77	-5.5%
71.6%	1,357	1,310	-48	-3.5%
72.8%	1,339	1,300	-39	-2.9%
74.1%	1,318	1,190	-129	-9.8%
75.3%	1,312	1,162	-150	-11.4%
76.5%	1,286	1,159	-127	-9.8%
77.8%	1,280	1,157	-123	-9.6%
79.0%	1,150	1,154	5	0.4%
80.2%	1,109	1,144	36	3.2%
81.5%	944	1,115	171	18.1%
82.7%	906	1,084	177	19.5%
84.0%	805	1,080	275	34.2%
85.2%	790	1,042	252	31.8%
86.4%	771	1,027	256	33.2%
87.7%	758	964	206	27.1%
88.9%	754	938	184	24.4%
90.1%	707	853	146	20.7%
91.4%	633	799	165	26.1%
92.6%	606	789	183	30.3%
93.8%	605	781	176	29.1%
95.1%	603	728	125	20.7%
96.3%	598	680	82	13.7%
97.5%	367	602	236	64.3%
98.8%	281	554	273	97.0%
100.0%	281	281	0	0.0%

Table SW-46-9a
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 Period[1]												
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 D	3,257	3,280	5,497	8,038	9,001	9,321	5,620	6,393	5,843	8,701	6,108	5,642
Difference	-134	-29	-191	34	67	32	-40	-2	-73	-52	150	231
Percent Difference[3]	-4.0%	-0.9%	-3.4%	0.4%	0.7%	0.3%	-0.7%	0.0%	-1.2%	-0.6%	2.5%	4.3%
Water Year Types[2]												
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 D	4,254	4,399	7,141	17,266	17,740	18,332	10,734	12,703	9,321	8,638	5,404	9,536
Difference	-159	-142	-463	211	182	91	15	0	92	61	32	380
Percent Difference	-3.6%	-3.1%	-6.1%	1.2%	1.0%	0.5%	0.1%	0.0%	1.0%	0.7%	0.6%	4.1%
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 D	4,051	3,489	4,618	7,471	9,389	11,669	5,461	6,680	6,286	10,185	7,025	8,026
Difference	-92	72	-610	202	-109	34	0	277	355	-24	-421	343
Percent Difference	-2.2%	2.1%	-11.7%	2.8%	-1.1%	0.3%	0.0%	4.3%	6.0%	-0.2%	-5.7%	4.5%
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 D	3,137	3,428	5,970	3,487	5,658	4,354	3,451	3,118	4,573	9,753	7,112	2,956
Difference	-195	122	652	-253	256	213	0	-18	227	-94	-402	-279
Percent Difference	-5.9%	3.7%	12.3%	-6.8%	4.7%	5.1%	0.0%	-0.6%	5.2%	-1.0%	-5.3%	-8.6%
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 D	2,416	2,460	5,340	2,553	3,139	3,156	2,583	2,497	3,699	8,355	7,141	2,911
Difference	-117	-44	-299	-57	-40	-223	-68	-145	-475	-411	492	419
Percent Difference	-4.6%	-1.8%	-5.3%	-2.2%	-1.3%	-6.6%	-2.6%	-5.5%	-11.4%	-4.7%	7.4%	16.8%
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 D	1,703	1,704	2,498	2,150	2,369	2,490	1,784	2,097	2,561	6,642	3,992	2,049
Difference	-76	-43	-6	-48	-67	76	-205	-52	-605	260	1,107	108
Percent Difference	-4.3%	-2.4%	-0.2%	-2.2%	-2.8%	3.2%	-10.3%	-2.4%	-19.1%	4.1%	38.4%	5.6%

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-46-9b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

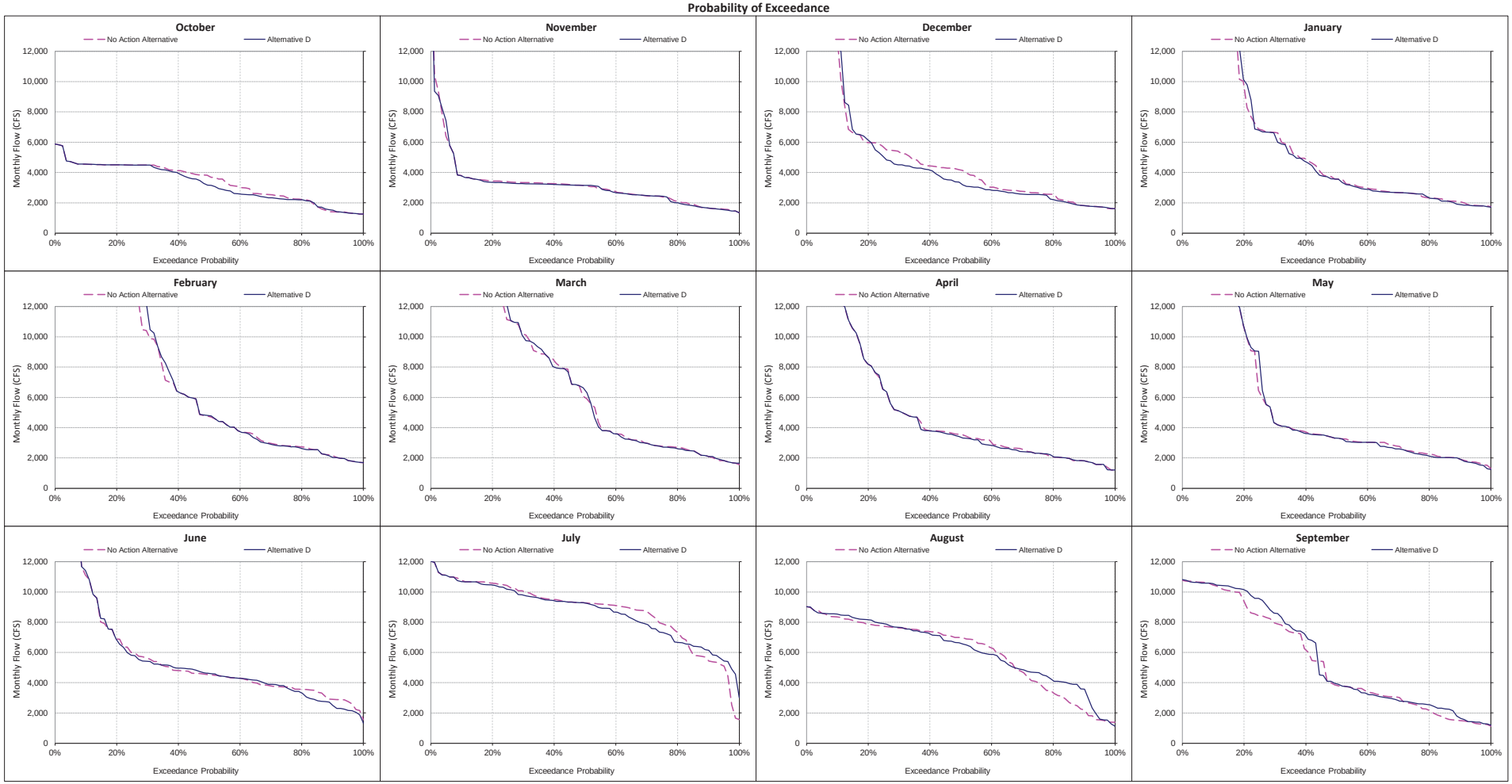

Table SW-46-9b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,877	-7	-0.1%
1.2%	5,836	5,836	0	0.0%
2.5%	5,768	5,768	0	0.0%
3.7%	4,757	4,757	-1	0.0%
4.9%	4,732	4,731	-1	0.0%
6.2%	4,640	4,640	0	0.0%
7.4%	4,558	4,561	3	0.1%
8.6%	4,556	4,558	2	0.0%
9.9%	4,548	4,556	9	0.2%
11.1%	4,547	4,547	-1	0.0%
12.3%	4,526	4,547	21	0.5%
13.6%	4,523	4,522	0	0.0%
14.8%	4,519	4,519	0	0.0%
16.0%	4,514	4,514	0	0.0%
17.3%	4,510	4,506	-4	-0.1%
18.5%	4,507	4,505	-2	0.0%
19.8%	4,505	4,504	-1	0.0%
21.0%	4,501	4,501	0	0.0%
22.2%	4,499	4,499	0	0.0%
23.5%	4,496	4,497	1	0.0%
24.7%	4,493	4,492	-1	0.0%
25.9%	4,492	4,491	-1	0.0%
27.2%	4,492	4,490	-2	0.0%
28.4%	4,491	4,490	-1	0.0%
29.6%	4,489	4,489	0	0.0%
30.9%	4,489	4,484	-5	-0.1%
32.1%	4,484	4,344	-141	-3.1%
33.3%	4,392	4,264	-128	-2.9%
34.6%	4,376	4,187	-189	-4.3%
35.8%	4,282	4,173	-109	-2.5%
37.0%	4,178	4,109	-69	-1.7%
38.3%	4,155	4,032	-124	-3.0%
39.5%	4,128	4,000	-129	-3.1%
40.7%	4,122	3,874	-249	-6.0%
42.0%	4,057	3,757	-300	-7.4%
43.2%	3,992	3,650	-342	-8.6%
44.4%	3,942	3,592	-350	-8.9%
45.7%	3,874	3,573	-301	-7.8%
46.9%	3,842	3,465	-377	-9.8%
48.1%	3,839	3,284	-555	-14.4%
49.4%	3,817	3,162	-655	-17.2%
50.6%	3,678	3,152	-527	-14.3%
51.9%	3,675	3,073	-602	-16.4%
53.1%	3,574	2,931	-643	-18.0%
54.3%	3,572	2,880	-692	-19.4%
55.6%	3,318	2,815	-503	-15.2%
56.8%	3,157	2,776	-381	-12.1%
58.0%	3,124	2,619	-505	-16.2%
59.3%	3,083	2,601	-482	-15.6%
60.5%	3,006	2,564	-441	-14.7%
61.7%	2,977	2,550	-427	-14.3%
63.0%	2,935	2,535	-400	-13.6%
64.2%	2,621	2,527	-94	-3.6%
65.4%	2,606	2,476	-130	-5.0%
66.7%	2,579	2,418	-161	-6.2%
67.9%	2,566	2,375	-191	-7.5%
69.1%	2,549	2,336	-213	-8.4%
70.4%	2,529	2,323	-205	-8.1%
71.6%	2,476	2,294	-182	-7.3%
72.8%	2,463	2,265	-198	-8.1%
74.1%	2,447	2,251	-196	-8.0%
75.3%	2,324	2,209	-114	-4.9%
76.5%	2,276	2,208	-67	-3.0%
77.8%	2,241	2,207	-35	-1.6%
79.0%	2,236	2,191	-45	-2.0%
80.2%	2,206	2,190	-16	-0.7%
81.5%	2,193	2,128	-65	-3.0%
82.7%	2,121	2,110	-11	-0.5%
84.0%	1,892	1,996	104	5.5%
85.2%	1,717	1,729	11	0.7%
86.4%	1,595	1,716	121	7.6%
87.7%	1,501	1,592	91	6.1%
88.9%	1,411	1,541	130	9.2%
90.1%	1,410	1,509	99	7.0%
91.4%	1,392	1,410	18	1.3%
92.6%	1,390	1,388	-2	-0.1%
93.8%	1,390	1,366	-24	-1.7%
95.1%	1,333	1,331	-2	-0.2%
96.3%	1,304	1,303	-1	0.0%
97.5%	1,299	1,297	-2	-0.2%
98.8%	1,261	1,261	0	0.0%
100.0%	1,254	1,252	-2	-0.2%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	10,400	9,364	-1,035	-10.0%
2.5%	9,369	9,083	-286	-3.1%
3.7%	7,878	8,238	359	4.6%
4.9%	6,402	7,437	1,035	16.2%
6.2%	5,780	5,780	0	0.0%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,833	0	0.0%
9.9%	3,798	3,794	-3	-0.1%
11.1%	3,669	3,669	0	0.0%
12.3%	3,661	3,661	0	0.0%
13.6%	3,588	3,588	0	0.0%
14.8%	3,553	3,553	0	0.0%
16.0%	3,516	3,508	-8	-0.2%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,465	3,368	-97	-2.8%
19.8%	3,435	3,347	-88	-2.6%
21.0%	3,434	3,336	-98	-2.9%
22.2%	3,430	3,336	-94	-2.8%
23.5%	3,398	3,332	-66	-2.0%
24.7%	3,393	3,317	-77	-2.3%
25.9%	3,368	3,285	-83	-2.5%
27.2%	3,349	3,280	-70	-2.1%
28.4%	3,347	3,267	-80	-2.4%
29.6%	3,339	3,266	-73	-2.2%
30.9%	3,336	3,257	-78	-2.3%
32.1%	3,332	3,254	-78	-2.3%
33.3%	3,317	3,254	-63	-1.9%
34.6%	3,308	3,253	-55	-1.7%
35.8%	3,294	3,250	-44	-1.3%
37.0%	3,280	3,229	-50	-1.5%
38.3%	3,267	3,223	-44	-1.4%
39.5%	3,266	3,213	-53	-1.6%
40.7%	3,257	3,201	-57	-1.7%
42.0%	3,253	3,183	-70	-2.1%
43.2%	3,229	3,176	-53	-1.6%
44.4%	3,223	3,167	-56	-1.7%
45.7%	3,183	3,165	-18	-0.6%
46.9%	3,167	3,163	-4	-0.1%
48.1%	3,159	3,159	0	0.0%
49.4%	3,157	3,157	0	0.0%
50.6%	3,111	3,156	45	1.5%
51.9%	3,068	3,143	75	2.5%
53.1%	3,058	3,111	53	1.7%
54.3%	2,907	3,078	171	5.9%
55.6%	2,906	2,882	-25	-0.8%
56.8%	2,892	2,818	-74	-2.5%
58.0%	2,824	2,791	-33	-1.2%
59.3%	2,791	2,687	-104	-3.7%
60.5%	2,687	2,669	-19	-0.7%
61.7%	2,661	2,628	-33	-1.2%
63.0%	2,628	2,599	-29	-1.1%
64.2%	2,599	2,560	-40	-1.5%
65.4%	2,560	2,530	-30	-1.2%
66.7%	2,530	2,522	-8	-0.3%
67.9%	2,515	2,515	0	0.0%
69.1%	2,486	2,486	0	0.0%
70.4%	2,451	2,482	31	1.3%
71.6%	2,448	2,451	3	0.1%
72.8%	2,444	2,448	4	0.2%
74.1%	2,430	2,444	14	0.6%
75.3%	2,375	2,430	55	2.3%
76.5%	2,371	2,375	4	0.2%
77.8%	2,267	2,078	-189	-8.3%
79.0%	2,129	2,006	-123	-5.8%
80.2%	2,091	2,002	-89	-4.3%
81.5%	2,006	1,912	-94	-4.7%
82.7%	2,002	1,884	-118	-5.9%
84.0%	1,914	1,837	-78	-4.1%
85.2%	1,884	1,788	-96	-5.1%
86.4%	1,788	1,747	-41	-2.3%
87.7%	1,699	1,717	19	1.1%
88.9%	1,674	1,674	0	0.0%
90.1%	1,635	1,656	21	1.3%
91.4%	1,611	1,616	5	0.3%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,565	-36	-2.2%
95.1%	1,570	1,549	-21	-1.3%
96.3%	1,549	1,505	-44	-2.8%
97.5%	1,463	1,463	0	0.0%
98.8%	1,455	1,455	0	0.0%
100.0%	1,340	1,340	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	25,861	1,219	4.9%
2.5%	24,159	25,538	1,379	5.7%
3.7%	23,945	23,228	-717	-3.0%
4.9%	18,630	19,217	588	3.2%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,917	-644	-4.1%
8.6%	14,052	14,883	831	5.9%
9.9%	13,127	13,127	0	0.0%
11.1%	10,175	11,956	1,781	17.5%
12.3%	8,453	8,620	167	2.0%
13.6%	6,843	8,451	1,608	23.5%
14.8%	6,648	6,844	196	2.9%
16.0%	6,535	6,532	-3	0.0%
17.3%	6,503	6,503	0	0.0%
18.5%	6,072	6,396	324	5.3%
19.8%	5,977	6,173	196	3.3%
21.0%	5,971	5,960	-12	-0.2%
22.2%	5,960	5,498	-461	-7.7%
23.5%	5,893	5,303	-590	-10.0%
24.7%	5,728	5,076	-652	-11.4%
25.9%	5,498	4,826	-673	-12.2%
27.2%	5,470	4,780	-690	-12.6%
28.4%	5,449	4,564	-885	-16.2%
29.6%	5,410	4,511	-899	-16.6%
30.9%	5,245	4,506	-739	-14.1%
32.1%	5,223	4,437	-785	-15.0%
33.3%	5,076	4,429	-647	-12.7%
34.6%	4,845	4,315	-530	-10.9%
35.8%	4,829	4,292	-537	-11.1%
37.0%	4,564	4,283	-281	-6.1%
38.3%	4,507	4,219	-288	-6.4%
39.5%	4,432	4,190	-242	-5.5%
40.7%	4,427	4,102	-326	-7.4%
42.0%	4,390	3,909	-481	-11.0%
43.2%	4,319	3,749	-570	-13.2%
44.4%	4,315	3,577	-738	-17.1%
45.7%	4,292	3,518	-774	-18.0%
46.9%	4,283	3,500	-783	-18.3%
48.1%	4,259	3,392	-868	-20.4%
49.4%	4,190	3,362	-828	-19.8%
50.6%	4,146	3,190	-955	-23.0%
51.9%	3,976	3,090	-886	-22.3%
53.1%	3,840	3,074	-766	-20.0%
54.3%	3,802	3,029	-772	-20.3%
55.6%	3,567	3,029	-538	-15.1%
56.8%	3,500	2,970	-530	-15.1%
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	2,821	-149	-5.0%
63.0%	2,860	2,765	-95	-3.3%
64.2%	2,860	2,724	-136	-4.7%
65.4%	2,822	2,661	-162	-5.7%
66.7%	2,821	2,656	-165	-5.8%
67.9%	2,820	2,608	-211	-7.5%
69.1%	2,764	2,579	-186	-6.7%
70.4%	2,740	2,569	-171	-6.2%
71.6%	2,724	2,554	-170	-6.2%
72.8%	2,661	2,552	-109	-4.1%
74.1%	2,656	2,542	-114	-4.3%
75.3%	2,648	2,542	-107	-4.0%
76.5%	2,592	2,532	-60	-2.3%
77.8%	2,569	2,503	-66	-2.6%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,188	-366	-14.3%
81.5%	2,241	2,125	-116	-5.2%
82.7%	2,189	2,095	-94	-4.3%
84.0%	2,137	2,065	-71	-3.3%
85.2%	2,065	1,974	-92	-4.4%
86.4%	2,041	1,925	-116	-5.7%
87.7%	1,859	1,859	0	0.0%
88.9%	1,822	1,830	8	0.5%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,784	0	0.0%
92.6%	1,763	1,761	-2	-0.1%
93.8%	1,755	1,755	0	0.0%
95.1%	1,721	1,721	0	0.0%
96.3%	1,708	1,708	0	0.0%
97.5%	1,633	1,668	36	2.2%
98.8%	1,613	1,633	19	1.2%
100.0%	1,611	1,611	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,669	62,667	-2	0.0%
1.2%	51,110	51,108	-2	0.0%
2.5%	30,266	30,404	137	0.5%
3.7%	29,961	29,961	-1	0.0%
4.9%	29,228	29,225	-4	0.0%
6.2%	25,712	25,709	-3	0.0%
7.4%	23,958	25,041	1,083	4.5%
8.6%	20,978	24,603	3,625	17.3%
9.9%	20,603	19,378	-1,225	-5.9%
11.1%	19,127	19,124	-4	0.0%
12.3%	18,537	18,537	1	0.0%
13.6%	18,029	18,029	0	0.0%
14.8%	17,696	17,693	-3	0.0%
16.0%	16,933	16,930	-3	0.0%
17.3%	13,957	13,956	-2	0.0%
18.5%	10,144	12,168	2,024	20.0%
19.8%	10,035	10,144	109	1.1%
21.0%	8,291	9,780	1,489	18.0%
22.2%	7,700	8,798	1,098	14.3%
23.5%	7,263	6,865	-398	-5.5%
24.7%	6,865	6,808	-58	-0.8%
25.9%	6,808	6,680	-128	-1.9%
27.2%	6,683	6,670	-13	-0.2%
28.4%	6,670	6,650	-20	-0.3%
29.6%	6,650	6,614	-36	-0.5%
30.9%	6,614	6,003	-611	-9.2%
32.1%	6,003	5,886	-117	-1.9%
33.3%	5,886	5,830	-56	-1.0%
34.6%	5,830	5,251	-579	-9.9%
35.8%	5,253	5,160	-93	-1.8%
37.0%	5,160	4,939	-222	-4.3%
38.3%	4,939	4,937	-2	0.0%
39.5%	4,937	4,755	-182	-3.7%
40.7%	4,755	4,617	-138	-2.9%
42.0%	4,617	4,464	-153	-3.3%
43.2%	4,464	4,107	-357	-8.0%
44.4%	4,107	3,818	-289	-7.0%
45.7%	3,818	3,753	-65	-1.7%
46.9%	3,753	3,727	-26	-0.7%
48.1%	3,727	3,593	-134	-3.6%
49.4%	3,564	3,562	-2	-0.1%
50.6%	3,562	3,549	-13	-0.4%
51.9%	3,549	3,334	-216	-6.1%
53.1%	3,235	3,199	-35	-1.1%
54.3%	3,209	3,165	-44	-1.4%
55.6%	3,199	3,080	-119	-3.7%
56.8%	3,080	3,014	-66	-2.1%
58.0%	3,024	2,929	-94	-3.1%
59.3%	3,014	2,897	-118	-3.9%
60.5%	2,929	2,888	-41	-1.4%
61.7%	2,897	2,776	-120	-4.2%
63.0%	2,888	2,765	-123	-4.3%
64.2%	2,776	2,735	-41	-1.5%
65.4%	2,765	2,722	-43	-1.6%
66.7%	2,722	2,702	-19	-0.7%
67.9%	2,700	2,700	0	0.0%
69.1%	2,676	2,676	0	0.0%
70.4%	2,668	2,668	0	0.0%
71.6%	2,665	2,665	0	0.0%
72.8%	2,640	2,640	0	0.0%
74.1%	2,624	2,624	0	0.0%
75.3%	2,597	2,597	0	0.0%
76.5%	2,584	2,585	2	0.1%
77.8%	2,397	2,584	186	7.8%
79.0%	2,338	2,425	87	3.7%
80.2%	2,312	2,296	-16	-0.7%
81.5%	2,309	2,278	-31	-1.3%
82.7%	2,278	2,255	-23	-1.0%
84.0%	2,255	2,118	-137	-6.1%
85.2%	2,167	2,105	-61	-2.8%
86.4%	2,118	2,091	-27	-1.3%
87.7%	2,105	2,033	-72	-3.4%
88.9%	2,091	1,914	-177	-8.5%
90.1%	2,053	1,871	-182	-8.9%
91.4%	1,986	1,845	-141	-7.1%
92.6%	1,871	1,845	-26	-1.4%
93.8%	1,845	1,817	-28	-1.5%
95.1%	1,817	1,788	-29	-1.6%
96.3%	1,808	1,787	-21	-1.2%
97.5%	1,788	1,785	-3	-0.2%
98.8%	1,785	1,742	-43	-2.4%
100.0%	1,742	1,710	-33	-1.9%

Table SW-46-9b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,158	40,246	87	0.2%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,768	-2	0.0%
3.7%	28,349	28,347	-1	0.0%
4.9%	27,561	27,560	0	0.0%
6.2%	26,981	25,237	-1,744	-6.5%
7.4%	24,966	24,962	-4	0.0%
8.6%	22,575	22,755	180	0.8%
9.9%	22,284	22,576	292	1.3%
11.1%	21,422	21,076	-346	-1.6%
12.3%	19,559	19,558	-1	0.0%
13.6%	19,495	19,498	3	0.0%
14.8%	18,948	18,946	-2	0.0%
16.0%	16,366	16,375	9	0.1%
17.3%	16,361	16,366	5	0.0%
18.5%	16,236	16,238	1	0.0%
19.8%	16,202	16,200	-2	0.0%
21.0%	15,487	15,488	0	0.0%
22.2%	15,450	15,448	-2	0.0%
23.5%	14,987	14,985	-2	0.0%
24.7%	14,260	14,645	385	2.7%
25.9%	13,228	13,228	0	0.0%
27.2%	12,237	12,963	726	5.9%
28.4%	10,473	12,608	2,136	20.4%
29.6%	10,415	12,236	1,821	17.5%
30.9%	9,879	10,472	594	6.0%
32.1%	9,844	10,261	417	4.2%
33.3%	9,371	9,368	-3	0.0%
34.6%	8,263	8,671	408	4.9%
35.8%	7,143	8,271	1,128	15.8%
37.0%	7,024	7,695	671	9.6%
38.3%	7,020	7,140	120	1.7%
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	4,869	0	0.0%
48.1%	4,808	4,844	36	0.7%
49.4%	4,772	4,806	34	0.7%
50.6%	4,700	4,772	72	1.5%
51.9%	4,593	4,593	0	0.0%
53.1%	4,413	4,409	-3	-0.1%
54.3%	4,405	4,405	0	0.0%
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	3,056	-116	-3.6%
67.9%	3,060	2,999	-60	-2.0%
69.1%	2,999	2,941	-58	-1.9%
70.4%	2,941	2,888	-52	-1.8%
71.6%	2,888	2,825	-64	-2.2%
72.8%	2,825	2,793	-32	-1.1%
74.1%	2,813	2,791	-23	-0.8%
75.3%	2,793	2,782	-10	-0.4%
76.5%	2,791	2,738	-52	-1.9%
77.8%	2,782	2,734	-48	-1.7%
79.0%	2,738	2,699	-39	-1.4%
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	1,966	-2	-0.1%
95.1%	1,832	1,832	0	0.0%
96.3%	1,785	1,785	0	0.0%
97.5%	1,739	1,739	0	0.0%
98.8%	1,711	1,711	0	0.0%
100.0%	1,688	1,688	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,953	47,952	-1	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,895	776	2.2%
3.7%	33,152	35,117	1,966	5.9%
4.9%	27,878	27,387	-491	-1.8%
6.2%	27,382	26,790	-592	-2.2%
7.4%	24,884	24,883	-1	0.0%
8.6%	20,294	20,293	-1	0.0%
9.9%	20,193	20,191	-2	0.0%
11.1%	18,307	18,305	-2	0.0%
12.3%	17,849	17,843	-6	0.0%
13.6%	17,403	17,520	117	0.7%
14.8%	17,110	17,109	-1	0.0%
16.0%	16,929	16,927	-2	0.0%
17.3%	16,374	16,374	0	0.0%
18.5%	15,503	15,482	-21	-0.1%
19.8%	14,997	14,992	-4	0.0%
21.0%	12,938	13,210	272	2.1%
22.2%	12,823	12,938	115	0.9%
23.5%	12,150	12,833	683	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	10,961	20	0.2%
28.4%	10,805	10,942	136	1.3%
29.6%	10,202	10,111	-91	-0.9%
30.9%	10,111	9,754	-357	-3.5%
32.1%	9,754	9,716	-38	-0.4%
33.3%	9,089	9,580	492	5.4%
34.6%	9,001	9,341	340	3.8%
35.8%	8,873	9,175	301	3.4%
37.0%	8,861	8,838	-23	-0.3%
38.3%	8,617	8,614	-3	0.0%
39.5%	8,560	8,035	-525	-6.1%
40.7%	8,248	7,946	-302	-3.7%
42.0%	8,040	7,907	-133	-1.7%
43.2%	7,886	7,900	14	0.2%
44.4%	7,880	7,695	-185	-2.3%
45.7%	6,870	6,864	-6	-0.1%
46.9%	6,851	6,852	1	0.0%
48.1%	6,763	6,763	0	0.0%
49.4%	6,076	6,635	559	9.2%
50.6%	5,904	6,307	402	6.8%
51.9%	5,583	5,614	31	0.6%
53.1%	5,349	4,657	-692	-12.9%
54.3%	4,347	4,052	-295	-6.8%
55.6%	3,803	3,803	0	0.0%
56.8%	3,796	3,796	0	0.0%
58.0%	3,778	3,778	0	0.0%
59.3%	3,608	3,607	-1	0.0%
60.5%	3,586	3,586	0	0.0%
61.7%	3,574	3,376	-197	-5.5%
63.0%	3,401	3,249	-151	-4.4%
64.2%	3,259	3,240	-19	-0.6%
65.4%	3,183	3,183	0	0.0%
66.7%	3,179	3,134	-45	-1.4%
67.9%	3,158	3,021	-138	-4.4%
69.1%	3,021	2,998	-22	-0.7%
70.4%	2,968	2,957	-11	-0.4%
71.6%	2,863	2,863	0	0.0%
72.8%	2,809	2,809	0	0.0%
74.1%	2,790	2,790	0	0.0%
75.3%	2,755	2,720	-35	-1.3%
76.5%	2,748	2,718	-30	-1.1%
77.8%	2,746	2,680	-65	-2.4%
79.0%	2,720	2,668	-52	-1.9%
80.2%	2,718	2,590	-128	-4.7%
81.5%	2,668	2,583	-85	-3.2%
82.7%	2,583	2,496	-88	-3.4%
84.0%	2,496	2,487	-8	-0.3%
85.2%	2,487	2,463	-25	-1.0%
86.4%	2,331	2,331	0	0.0%
87.7%	2,179	2,179	0	0.0%
88.9%	2,168	2,168	0	0.0%
90.1%	2,100	2,099	-2	-0.1%
91.4%	2,024	2,097	73	3.6%
92.6%	1,886	1,957	71	3.8%
93.8%	1,830	1,886	56	3.1%
95.1%	1,828	1,830	2	0.1%
96.3%	1,747	1,747	0	0.0%
97.5%	1,696	1,696	0	0.0%
98.8%	1,657	1,659	2	0.1%
100.0%	1,558	1,657	99	6.3%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,262	-2	0.0%
2.5%	19,254	19,256	2	0.0%
3.7%	18,447	18,621	174	0.9%
4.9%	18,372	18,446	74	0.4%
6.2%	15,100	15,096	-4	0.0%
7.4%	14,552	14,571	19	0.1%
8.6%	13,680	13,680	0	0.0%
9.9%	13,327	13,314	-13	-0.1%
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	0.0%
16.0%	10,251	10,251	0	0.0%
17.3%	9,552	9,551	-1	0.0%
18.5%	8,543	8,543	0	0.0%
19.8%	8,226	8,225	-1	0.0%
21.0%	8,065	8,065	-1	0.0%
22.2%	7,643	7,641	-2	0.0%
23.5%	7,360	7,474	114	1.5%
24.7%	6,549	6,549	0	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%	4,767	4,766	-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	3,802	-92	-2.4%
39.5%	3,802	3,796	-5	-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	-40	-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	-89	-2.4%
48.1%	3,590	3,478	-112	-3.1%
49.4%	3,561	3,426	-136	-3.8%
50.6%	3,531	3,314	-216	-6.1%
51.9%	3,426	3,302	-124	-3.6%
53.1%	3,316	3,273	-42	-1.3%
54.3%	3,302	3,205	-97	-2.9%
55.6%	3,273	3,204	-70	-2.1%
56.8%	3,205	2,929	-276	-8.6%
58.0%	3,204	2,886	-318	-9.9%
59.3%	3,179	2,856	-323	-10.2%
60.5%	2,888	2,813	-74	-2.6%
61.7%	2,856	2,723	-132	-4.6%
63.0%	2,813	2,646	-167	-5.9%
64.2%	2,726	2,637	-89	-3.3%
65.4%	2,672	2,627	-45	-1.7%
66.7%	2,646	2,543	-104	-3.9%
67.9%	2,637	2,525	-112	-4.3%
69.1%	2,631	2,423	-208	-7.9%
70.4%	2,544	2,409	-135	-5.3%
71.6%	2,423	2,389	-34	-1.4%
72.8%	2,393	2,380	-13	-0.5%
74.1%	2,312	2,312	0	0.0%
75.3%	2,306	2,306	0	0.0%
76.5%	2,274	2,274	0	0.0%
77.8%	2,224	2,271	47	2.1%
79.0%	2,067	2,211	144	7.0%
80.2%	2,062	2,067	5	0.2%
81.5%	2,047	2,062	15	0.7%
82.7%	2,019	2,034	15	0.7%
84.0%	2,015	2,019	4	0.2%
85.2%	1,969	1,957	-12	-0.6%
86.4%	1,822	1,885	62	3.4%
87.7%	1,822	1,822	0	0.0%
88.9%	1,819	1,822	3	0.1%
90.1%	1,804	1,804	0	0.0%
91.4%	1,735	1,735	0	0.0%
92.6%	1,693	1,692	-1	-0.1%
93.8%	1,580	1,580	0	0.0%
95.1%	1,575	1,575	0	0.0%
96.3%	1,571	1,571	0	0.0%
97.5%	1,371	1,230	-142	-10.3%
98.8%	1,205	1,205	0	0.0%
100.0%	1,205	1,205	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,483	31,481	-3	0.0%
1.2%	28,210	28,208	-1	0.0%
2.5%	26,842	26,845	2	0.0%
3.7%	25,620	25,621	1	0.0%
4.9%	20,460	20,460	0	0.0%
6.2%	18,848	18,848	0	0.0%
7.4%	18,778	18,800	22	0.1%
8.6%	18,616	18,612	-4	0.0%
9.9%	15,502	15,502	0	0.0%
11.1%	15,064	15,064	0	0.0%
12.3%	14,611	14,609	-2	0.0%
13.6%	13,834	13,830	-4	0.0%
14.8%	13,531	13,529	-2	0.0%
16.0%	12,434	12,435	1	0.0%
17.3%	12,279	12,277	-3	0.0%
18.5%	11,938	11,939	0	0.0%
19.8%	10,776	10,769	-7	-0.1%
21.0%	9,895	9,894	-1	0.0%
22.2%	9,071	9,301	229	2.5%
23.5%	9,042	9,071	29	0.3%
24.7%	6,460	9,050	2,590	40.1%
25.9%	5,978	6,458	480	8.0%
27.2%	5,521	5,522	1	0.0%
28.4%	5,382	5,379	-3	-0.1%
29.6%	4,338	4,338	0	0.0%
30.9%	4,191	4,191	0	0.0%
32.1%	4,108	4,112	3	0.1%
33.3%	4,028	4,089	61	1.5%
34.6%	4,017	4,017	0	0.0%
35.8%	3,910	3,842	-68	-1.7%
37.0%	3,842	3,836	-6	-0.2%
38.3%	3,805	3,742	-63	-1.6%
39.5%	3,744	3,644	-100	-2.7%
40.7%	3,644	3,604	-40	-1.1%
42.0%	3,604	3,560	-44	-1.2%
43.2%	3,560	3,536	-24	-0.7%
44.4%	3,542	3,518	-25	-0.7%
45.7%	3,518	3,517	-1	0.0%
46.9%	3,453	3,453	0	0.0%
48.1%	3,382	3,382	0	0.0%
49.4%	3,301	3,311	9	0.3%
50.6%	3,289	3,301	12	0.4%
51.9%	3,258	3,243	-15	-0.5%
53.1%	3,243	3,088	-154	-4.8%
54.3%	3,148	3,069	-79	-2.5%
55.6%	3,090	3,041	-49	-1.6%
56.8%	3,069	3,038	-32	-1.0%
58.0%	3,041	3,036	-5	-0.2%
59.3%	3,039	3,033	-6	-0.2%
60.5%	3,036	3,033	-3	-0.1%
61.7%	3,033	3,033	0	0.0%
63.0%	3,033	3,024	-9	-0.3%
64.2%	3,033	2,771	-262	-8.7%
65.4%	3,024	2,757	-267	-8.8%
66.7%	2,914	2,705	-209	-7.2%
67.9%	2,867	2,679	-188	-6.6%
69.1%	2,791	2,602	-189	-6.8%
70.4%	2,771	2,599	-171	-6.2%
71.6%	2,553	2,552	-1	0.0%
72.8%	2,471	2,448	-23	-0.9%
74.1%	2,457	2,387	-70	-2.9%
75.3%	2,388	2,291	-97	-4.1%
76.5%	2,340	2,255	-85	-3.6%
77.8%	2,331	2,210	-120	-5.2%
79.0%	2,272	2,174	-98	-4.3%
80.2%	2,257	2,107	-150	-6.6%
81.5%	2,210	2,069	-142	-6.4%
82.7%	2,116	2,031	-85	-4.0%
84.0%	2,072	2,030	-42	-2.0%
85.2%	2,030	2,026	-4	-0.2%
86.4%	2,026	2,021	-5	-0.2%
87.7%	2,021	2,012	-9	-0.4%
88.9%	2,012	2,010	-2	-0.1%
90.1%	1,916	1,916	0	0.0%
91.4%	1,839	1,778	-61	-3.3%
92.6%	1,778	1,726	-52	-2.9%
93.8%	1,732	1,697	-35	-2.0%
95.1%	1,722	1,649	-72	-4.2%
96.3%	1,651	1,537	-114	-6.9%
97.5%	1,537	1,515	-22	-1.5%
98.8%	1,515	1,289	-226	-14.9%
100.0%	1,294	1,240	-54	-4.2%

Table SW-46-9b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,948	37	0.2%
1.2%	18,561	18,833	272	1.5%
2.5%	18,222	18,220	-2	0.0%
3.7%	16,583	16,579	-4	0.0%
4.9%	16,040	16,037	-3	0.0%
6.2%	14,993	14,995	2	0.0%
7.4%	14,846	14,850	4	0.0%
8.6%	11,675	11,669	-6	0.0%
9.9%	11,118	11,424	306	2.8%
11.1%	10,824	10,812	-11	-0.1%
12.3%	9,851	9,846	-5	-0.1%
13.6%	9,592	9,594	2	0.0%
14.8%	8,013	8,260	247	3.1%
16.0%	7,914	8,212	297	3.8%
17.3%	7,548	7,548	0	0.0%
18.5%	7,537	7,536	-1	0.0%
19.8%	6,889	6,909	19	0.3%
21.0%	6,882	6,539	-343	-5.0%
22.2%	6,350	6,336	-13	-0.2%
23.5%	6,347	5,989	-358	-5.6%
24.7%	6,003	5,822	-181	-3.0%
25.9%	5,976	5,791	-185	-3.1%
27.2%	5,746	5,531	-215	-3.7%
28.4%	5,710	5,437	-273	-4.8%
29.6%	5,647	5,412	-235	-4.2%
30.9%	5,552	5,411	-141	-2.5%
32.1%	5,406	5,238	-168	-3.1%
33.3%	5,398	5,235	-163	-3.0%
34.6%	5,172	5,175	3	0.1%
35.8%	5,087	5,164	77	1.5%
37.0%	5,054	5,148	94	1.9%
38.3%	4,821	5,035	214	4.4%
39.5%	4,804	4,963	159	3.3%
40.7%	4,799	4,959	160	3.3%
42.0%	4,774	4,951	177	3.7%
43.2%	4,758	4,924	166	3.5%
44.4%	4,623	4,888	265	5.7%
45.7%	4,617	4,841	224	4.8%
46.9%	4,606	4,749	142	3.1%
48.1%	4,586	4,652	67	1.5%
49.4%	4,549	4,632	83	1.8%
50.6%	4,531	4,590	59	1.3%
51.9%	4,502	4,581	79	1.8%
53.1%	4,477	4,447	-31	-0.7%
54.3%	4,419	4,428	9	0.2%
55.6%	4,392	4,392	0	0.0%
56.8%	4,326	4,354	28	0.7%
58.0%	4,324	4,323	-1	0.0%
59.3%	4,309	4,294	-15	-0.3%
60.5%	4,298	4,283	-15	-0.3%
61.7%	4,208	4,257	48	1.1%
63.0%	4,158	4,205	47	1.1%
64.2%	4,003	4,171	168	4.2%
65.4%	3,969	4,169	201	5.1%
66.7%	3,855	4,082	227	5.9%
67.9%	3,849	3,970	121	3.1%
69.1%	3,822	3,894	72	1.9%
70.4%	3,780	3,893	113	3.0%
71.6%	3,740	3,874	134	3.6%
72.8%	3,735	3,812	77	2.1%
74.1%	3,727	3,806	79	2.1%
75.3%	3,722	3,645	-76	-2.1%
76.5%	3,704	3,517	-187	-5.0%
77.8%	3,575	3,429	-146	-4.1%
79.0%	3,571	3,421	-150	-4.2%
80.2%	3,560	3,297	-263	-7.4%
81.5%	3,559	3,059	-500	-14.1%
82.7%	3,516	2,953	-563	-16.0%
84.0%	3,510	2,908	-602	-17.2%
85.2%	3,377	2,799	-578	-17.1%
86.4%	3,325	2,765	-559	-16.8%
87.7%	3,090	2,759	-330	-10.7%
88.9%	2,910	2,717	-193	-6.6%
90.1%	2,897	2,493	-404	-14.0%
91.4%	2,885	2,304	-582	-20.2%
92.6%	2,880	2,302	-578	-20.1%
93.8%	2,865	2,257	-609	-21.2%
95.1%	2,751	2,163	-588	-21.4%
96.3%	2,603	2,152	-450	-17.3%
97.5%	2,235	2,046	-189	-8.5%
98.8%	2,167	1,880	-287	-13.2%
100.0%	1,560	1,330	-229	-14.7%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,029	-36	-0.3%
1.2%	11,939	11,962	22	0.2%
2.5%	11,282	11,316	33	0.3%
3.7%	11,127	11,124	-3	0.0%
4.9%	11,123	11,101	-23	-0.2%
6.2%	10,994	10,991	-4	0.0%
7.4%	10,984	10,985	0	0.0%
8.6%	10,915	10,746	-169	-1.5%
9.9%	10,785	10,677	-108	-1.0%
11.1%	10,677	10,676	-1	0.0%
12.3%	10,675	10,672	-3	0.0%
13.6%	10,672	10,670	-2	0.0%
14.8%	10,672	10,670	-2	0.0%
16.0%	10,671	10,553	-118	-1.1%
17.3%	10,671	10,490	-180	-1.7%
18.5%	10,615	10,480	-135	-1.3%
19.8%	10,581	10,472	-110	-1.0%
21.0%	10,558	10,413	-146	-1.4%
22.2%	10,491	10,339	-153	-1.5%
23.5%	10,475	10,313	-162	-1.5%
24.7%	10,424	10,183	-241	-2.3%
25.9%	10,271	10,152	-120	-1.2%
27.2%	10,263	10,088	-175	-1.7%
28.4%	10,083	9,828	-255	-2.5%
29.6%	10,079	9,821	-258	-2.6%
30.9%	9,973	9,745	-227	-2.3%
32.1%	9,922	9,698	-224	-2.3%
33.3%	9,786	9,655	-131	-1.3%
34.6%	9,686	9,637	-49	-0.5%
35.8%	9,605	9,553	-52	-0.5%
37.0%	9,561	9,477	-84	-0.9%
38.3%	9,521	9,457	-64	-0.7%
39.5%	9,503	9,450	-53	-0.6%
40.7%	9,497	9,384	-113	-1.2%
42.0%	9,443	9,380	-63	-0.7%
43.2%	9,363	9,371	8	0.1%
44.4%	9,348	9,325	-23	-0.2%
45.7%	9,339	9,319	-20	-0.2%
46.9%	9,314	9,314	0	0.0%
48.1%	9,312	9,293	-19	-0.2%
49.4%	9,296	9,285	-11	-0.1%
50.6%	9,265	9,242	-23	-0.3%
51.9%	9,243	9,178	-65	-0.7%
53.1%	9,242	9,101	-140	-1.5%
54.3%	9,202	8,966	-235	-2.6%
55.6%	9,188	8,923	-264	-2.9%
56.8%	9,184	8,922	-261	-2.8%
58.0%	9,141	8,916	-226	-2.5%
59.3%	9,130	8,678	-452	-5.0%
60.5%	9,094	8,648	-446	-4.9%
61.7%	9,041	8,541	-500	-5.5%
63.0%	9,006	8,523	-483	-5.4%
64.2%	8,957	8,330	-627	-7.0%
65.4%	8,867	8,219	-648	-7.3%
66.7%	8,800	8,084	-715	-8.1%
67.9%	8,787	7,991	-796	-9.1%
69.1%	8,773	7,912	-861	-9.8%
70.4%	8,651	7,830	-821	-9.5%
71.6%	8,458	7,580	-878	-10.4%
72.8%	8,272	7,561	-711	-8.6%
74.1%	7,965	7,355	-610	-7.7%
75.3%	7,878	7,310	-568	-7.2%
76.5%	7,786	7,223	-564	-7.2%
77.8%	7,727	7,135	-592	-7.7%
79.0%	7,480	6,698	-782	-10.4%
80.2%	7,281	6,656	-624	-8.6%
81.5%	6,964	6,647	-317	-4.5%
82.7%	6,828	6,560	-268	-3.9%
84.0%	6,244	6,551	306	4.9%
85.2%	5,797	6,405	608	10.5%
86.4%	5,785	6,398	612	10.6%
87.7%	5,752	6,365	613	10.7%
88.9%	5,707	6,189	482	8.5%
90.1%	5,434	6,135	702	12.9%
91.4%	5,387	5,841	454	8.4%
92.6%	5,344	5,797	453	8.5%
93.8%	5,218	5,623	405	7.8%
95.1%	5,102	5,429	327	6.4%
96.3%	4,447	5,407	961	21.6%
97.5%	2,541	4,912	2,371	93.3%
98.8%	1,651	4,560	2,908	176.1%
100.0%	1,566	3,025	1,459	93.2%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,025	-7	-0.1%
1.2%	8,979	9,009	30	0.3%
2.5%	8,792	8,771	-21	-0.2%
3.7%	8,780	8,625	-155	-1.8%
4.9%	8,596	8,587	-9	-0.1%
6.2%	8,541	8,565	24	0.3%
7.4%	8,378	8,553	174	2.1%
8.6%	8,370	8,552	182	2.2%
9.9%	8,353	8,543	189	2.3%
11.1%	8,320	8,468	147	1.8%
12.3%	8,223	8,455	232	2.8%
13.6%	8,201	8,450	249	3.0%
14.8%	8,139	8,318	179	2.2%
16.0%	8,032	8,257	225	2.8%
17.3%	7,997	8,198	201	2.5%
18.5%	7,959	8,186	227	2.9%
19.8%	7,852	8,177	325	4.1%
21.0%	7,841	8,137	296	3.8%
22.2%	7,792	8,000	208	2.7%
23.5%	7,777	7,945	168	2.2%
24.7%	7,731	7,910	179	2.3%
25.9%	7,718	7,870	152	2.0%
27.2%	7,672	7,750	78	1.0%
28.4%	7,642	7,688	45	0.6%
29.6%	7,632	7,673	40	0.5%
30.9%	7,607	7,651	43	0.6%
32.1%	7,594	7,555	-39	-0.5%
33.3%	7,549	7,552	3	0.0%
34.6%	7,524	7,436	-88	-1.2%
35.8%	7,518	7,436	-82	-1.1%
37.0%	7,433	7,353	-80	-1.1%
38.3%	7,400	7,326	-74	-1.0%
39.5%	7,396	7,288	-108	-1.5%
40.7%	7,359	7,151	-208	-2.8%
42.0%	7,356	7,128	-228	-3.1%
43.2%	7,271	7,116	-155	-2.1%
44.4%	7,137	6,800	-336	-4.7%
45.7%	7,120	6,762	-358	-5.0%
46.9%	7,081	6,741	-339	-4.8%
48.1%	6,993	6,660	-332	-4.8%
49.4%	6,984	6,639	-345	-4.9%
50.6%	6,983	6,556	-426	-6.1%
51.9%	6,895	6,501	-394	-5.7%
53.1%	6,881	6,394	-487	-7.1%
54.3%	6,844	6,177	-667	-9.7%
55.6%	6,604	6,076	-527	-8.0%
56.8%	6,586	5,976	-610	-9.3%
58.0%	6,525	5,921	-603	-9.2%
59.3%	6,357	5,877	-480	-7.5%
60.5%	6,252	5,866	-386	-6.2%
61.7%	5,941	5,783	-159	-2.7%
63.0%	5,924	5,485	-439	-7.4%
64.2%	5,741	5,404	-337	-5.9%
65.4%	5,376	5,177	-199	-3.7%
66.7%	5,273	5,054	-219	-4.2%
67.9%	4,836	4,971	135	2.8%
69.1%	4,788	4,905	118	2.5%
70.4%	4,658	4,849	191	4.1%
71.6%	4,376	4,749	373	8.5%
72.8%	4,141	4,691	550	13.3%
74.1%	4,096	4,686	590	14.4%
75.3%	3,985	4,660	675	16.9%
76.5%	3,716	4,519	803	21.6%
77.8%	3,493	4,448	956	27.4%
79.0%	3,490	4,271	781	22.4%
80.2%	3,278	4,100	822	25.1%
81.5%	3,158	4,090	932	29.5%
82.7%	3,123	4,056	933	29.9%
84.0%	2,918	4,036	1,118	38.3%
85.2%	2,675	3,951	1,276	47.7%
86.4%	2,572	3,897	1,325	51.5%
87.7%	2,488	3,893	1,405	56.5%
88.9%	2,266	3,589	1,323	58.4%
90.1%	2,188	3,581	1,393	63.6%
91.4%	1,827	2,963	1,136	62.1%
92.6%	1,814	2,326	512	28.2%
93.8%	1,553	1,951	398	25.6%
95.1%	1,548	1,593	45	2.9%
96.3%	1,512	1,553	41	2.7%
97.5%	1,402	1,533	131	9.3%
98.8%	1,390	1,279	-112	-8.0%
100.0%	1,386	1,131	-255	-18.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,766	10,817	50	0.5%
1.2%	10,720	10,766	46	0.4%
2.5%	10,720	10,670	-50	-0.5%
3.7%	10,704	10,642	-61	-0.6%
4.9%	10,653	10,637	-16	-0.1%
6.2%	10,646	10,592	-54	-0.5%
7.4%	10,639	10,585	-55	-0.5%
8.6%	10,582	10,584	2	0.0%
9.9%	10,461	10,555	94	0.9%
11.1%	10,405	10,443	38	0.4%
12.3%	10,248	10,438	191	1.9%
13.6%	10,149	10,414	265	2.6%
14.8%	10,091	10,407	316	3.1%
16.0%	10,067	10,315	247	2.5%
17.3%	9,995	10,235	241	2.4%
18.5%	9,971	10,216	246	2.5%
19.8%	9,494	10,161	666	7.0%
21.0%	8,961	10,040	1,078	12.0%
22.2%	8,611	9,755	1,143	13.3%
23.5%	8,555	9,579	1,024	12.0%
24.7%	8,441	9,572	1,131	13.4%
25.9%	8,421	9,444	1,023	12.1%
27.2%	8,325	9,148	823	9.9%
28.4%	8,229	8,818	589	7.2%
29.6%	7,965	8,606	640	8.0%
30.9%	7,887	8,569	682	8.6%
32.1%	7,812	8,313	501	6.4%
33.3%	7,541	7,905	364	4.8%
34.6%	7,386	7,817	431	5.8%
35.8%	7,313	7,551	238	3.3%
37.0%	7,297	7,419	122	1.7%
38.3%	7,227	7,419	191	2.6%
39.5%	6,253	7,239	986	15.8%
40.7%	6,022	6,885	863	14.3%
42.0%	5,460	6,787	1,326	24.3%
43.2%	5,433	6,633	1,200	22.1%
44.4%	5,425	4,506	-919	-16.9%
45.7%	5,398	4,481	-917	-17.0%
46.9%	4,054	4,097	43	1.1%
48.1%	3,986	4,089	103	2.6%
49.4%	3,857	3,964	107	2.8%
50.6%	3,796	3,896	100	2.6%
51.9%	3,793	3,774	-19	-0.5%
53.1%	3,747	3,747	0	0.0%
54.3%	3,688	3,729	42	1.1%
55.6%	3,636	3,574	-62	-1.7%
56.8%	3,617	3,542	-76	-2.1%
58.0%	3,617	3,340	-277	-7.7%
59.3%	3,465	3,317	-149	-4.3%
60.5%	3,372	3,209	-163	-4.8%
61.7%	3,324	3,199	-125	-3.8%
63.0%	3,238	3,139	-99	-3.1%
64.2%	3,202	3,064	-138	-4.3%
65.4%	3,123	3,045	-78	-2.5%
66.7%	3,084	2,980	-104	-3.4%
67.9%	3,071	2,959	-112	-3.7%
69.1%	3,066	2,894	-171	-5.6%
70.4%	3,015	2,783	-232	-7.7%
71.6%	2,748	2,775	27	1.0%
72.8%	2,664	2,760	95	3.6%
74.1%	2,639	2,706	66	2.5%
75.3%	2,570	2,659	89	3.4%
76.5%	2,501	2,597	96	3.8%
77.8%	2,286	2,595	309	13.5%
79.0%	2,259	2,570	311	13.8%
80.2%	2,145	2,535	390	18.2%
81.5%	1,978	2,428	450	22.8%
82.7%	1,864	2,322	457	24.5%
84.0%	1,771	2,311	540	30.5%
85.2%	1,657	2,260	603	36.4%
86.4%	1,568	2,246	678	43.2%
87.7%	1,534	2,145	611	39.8%
88.9%	1,523	1,801	278	18.2%
90.1%	1,486	1,653	167	11.2%
91.4%	1,472	1,568	96	6.5%
92.6%	1,430	1,436	6	0.4%
93.8%	1,396	1,423	27	1.9%
95.1%	1,311	1,394	83	6.4%
96.3%	1,266	1,393	126	10.0%
97.5%	1,257	1,293	36	2.8%
98.8%	1,242	1,275	33	2.7%
100.0%	1,130	1,192	62	5.5%

Table SW-47-9a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	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 D	1,413	2,726	3,303	4,348	4,989	3,607	3,091	3,277	3,145	3,057	2,259	2,339
Difference	59	74	115	56	20	36	40	54	-90	-290	25	-133
Percent Difference[3]	4.4%	2.8%	3.6%	1.3%	0.4%	1.0%	1.3%	1.7%	-2.8%	-8.7%	1.1%	-5.4%
	Water Year Types[2]											
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 D	1,615	3,904	3,622	8,606	9,009	5,918	4,996	5,711	5,450	3,403	3,075	3,644
Difference	146	97	102	53	21	3	-1	0	-12	-177	82	-431
Percent Difference	9.9%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.9%	2.8%	-10.6%
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 D	1,371	2,694	2,994	4,676	6,233	5,268	3,236	3,410	2,961	3,847	2,322	2,716
Difference	-6	43	162	200	98	49	-2	-1	3	-274	-33	-160
Percent Difference	-0.5%	1.6%	5.7%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.7%	-1.4%	-5.6%
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 D	1,544	3,348	3,900	2,298	3,992	2,297	2,898	2,612	2,331	3,840	2,219	2,087
Difference	21	86	7	109	-71	25	114	57	-19	-707	103	232
Percent Difference	1.4%	2.6%	0.2%	5.0%	-1.7%	1.1%	4.1%	2.2%	-0.8%	-15.5%	4.9%	12.5%
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 D	1,309	1,804	4,213	1,522	1,733	1,999	1,709	1,531	1,936	2,760	1,946	1,364
Difference	9	118	261	-101	50	79	13	48	-159	-211	-98	-27
Percent Difference	0.7%	7.0%	6.6%	-6.2%	3.0%	4.1%	0.7%	3.3%	-7.6%	-7.1%	-4.8%	-1.9%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative D	1,019	861	862	1,427	1,086	879	1,115	1,265	1,101	1,049	946	893
Difference	59	-27	5	94	0	44	122	235	-332	-185	53	-43
Percent Difference	6.2%	-3.1%	0.5%	7.0%	0.0%	5.3%	12.3%	22.8%	-23.2%	-15.0%	5.9%	-4.6%

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-47-9b
American River at Mouth, Monthly Flow
Probability of Exceedance

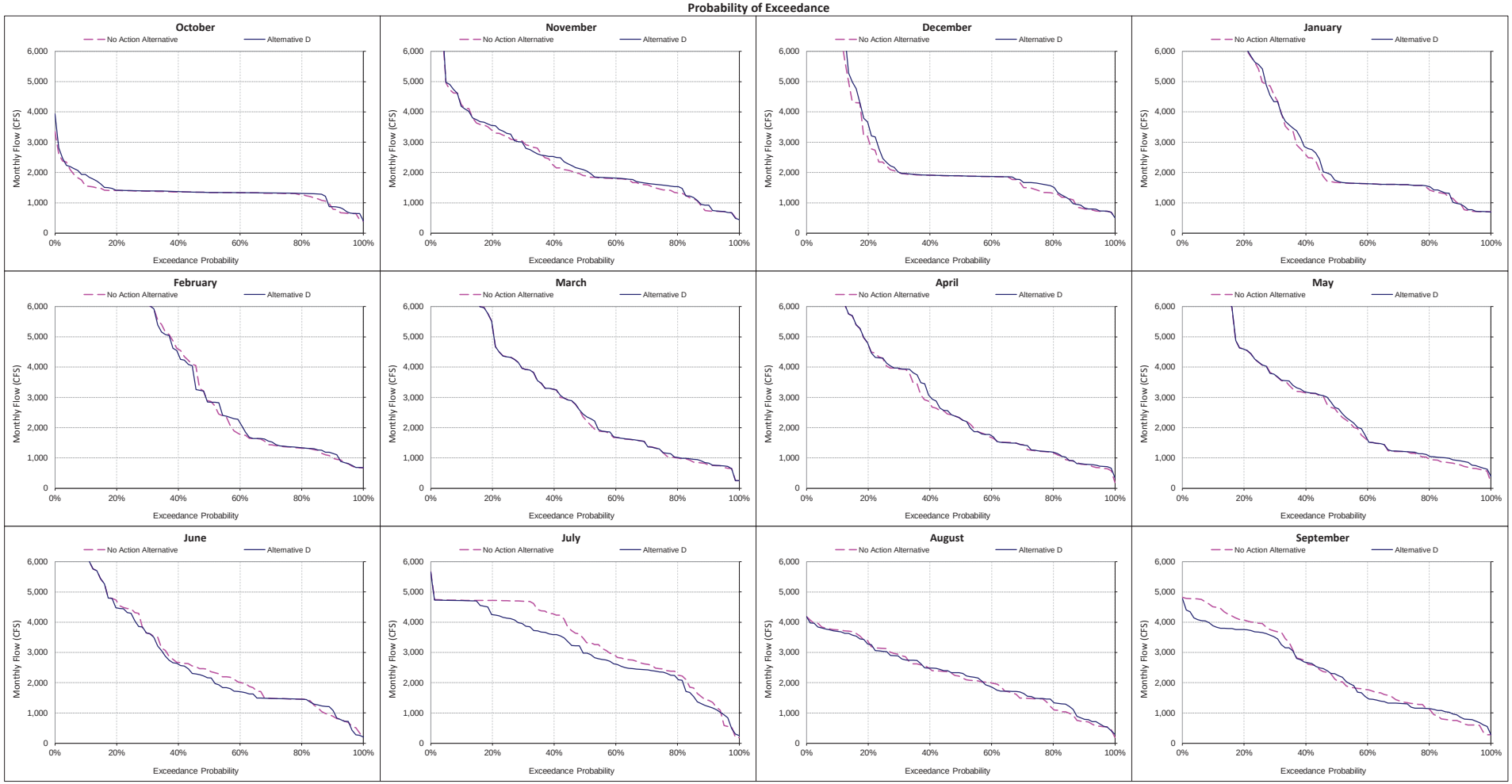

Table SW-47-9b

American River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,937	584	17.4%
1.2%	2,603	2,813	209	8.0%
2.5%	2,376	2,469	93	3.9%
3.7%	2,348	2,240	-109	-4.6%
4.9%	2,096	2,193	97	4.6%
6.2%	1,936	2,130	193	10.0%
7.4%	1,824	2,072	247	13.6%
8.6%	1,750	1,936	186	10.6%
9.9%	1,554	1,932	378	24.3%
11.1%	1,543	1,845	302	19.6%
12.3%	1,526	1,781	255	16.7%
13.6%	1,492	1,720	228	15.3%
14.8%	1,482	1,629	147	9.9%
16.0%	1,412	1,512	100	7.1%
17.3%	1,409	1,496	87	6.2%
18.5%	1,408	1,476	68	4.9%
19.8%	1,406	1,415	9	0.6%
21.0%	1,403	1,407	4	0.3%
22.2%	1,403	1,407	4	0.3%
23.5%	1,399	1,404	5	0.4%
24.7%	1,397	1,400	4	0.3%
25.9%	1,394	1,397	2	0.2%
27.2%	1,393	1,396	4	0.3%
28.4%	1,387	1,394	7	0.5%
29.6%	1,386	1,394	8	0.6%
30.9%	1,382	1,393	10	0.8%
32.1%	1,378	1,391	12	0.9%
33.3%	1,378	1,389	12	0.8%
34.6%	1,377	1,389	12	0.9%
35.8%	1,374	1,384	10	0.8%
37.0%	1,363	1,383	21	1.5%
38.3%	1,359	1,376	17	1.2%
39.5%	1,357	1,372	14	1.0%
40.7%	1,357	1,364	6	0.5%
42.0%	1,357	1,361	4	0.3%
43.2%	1,356	1,357	1	0.1%
44.4%	1,353	1,355	1	0.1%
45.7%	1,350	1,352	2	0.1%
46.9%	1,348	1,352	4	0.3%
48.1%	1,345	1,348	3	0.2%
49.4%	1,344	1,345	1	0.1%
50.6%	1,342	1,343	2	0.1%
51.9%	1,341	1,342	1	0.1%
53.1%	1,341	1,341	1	0.1%
54.3%	1,340	1,340	0	0.0%
55.6%	1,340	1,339	-1	-0.1%
56.8%	1,337	1,338	1	0.1%
58.0%	1,336	1,337	1	0.1%
59.3%	1,335	1,336	1	0.1%
60.5%	1,335	1,336	1	0.1%
61.7%	1,334	1,336	2	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,336	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,328	2	0.2%
67.9%	1,317	1,328	10	0.8%
69.1%	1,316	1,325	9	0.7%
70.4%	1,316	1,325	10	0.7%
71.6%	1,314	1,322	9	0.7%
72.8%	1,313	1,322	8	0.6%
74.1%	1,307	1,320	13	1.0%
75.3%	1,307	1,317	10	0.8%
76.5%	1,306	1,316	10	0.8%
77.8%	1,305	1,316	12	0.9%
79.0%	1,271	1,315	44	3.5%
80.2%	1,267	1,313	47	3.7%
81.5%	1,231	1,308	77	6.2%
82.7%	1,210	1,305	95	7.8%
84.0%	1,166	1,296	131	11.2%
85.2%	1,128	1,292	164	14.5%
86.4%	1,082	1,279	197	18.2%
87.7%	1,053	1,218	166	15.7%
88.9%	969	871	-98	-10.1%
90.1%	784	870	87	11.0%
91.4%	771	858	86	11.2%
92.6%	673	838	165	24.5%
93.8%	663	763	100	15.0%
95.1%	644	682	38	5.9%
96.3%	643	651	8	1.2%
97.5%	641	643	2	0.3%
98.8%	433	643	210	48.6%
100.0%	393	393	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,091	309	4.6%
4.9%	4,957	4,975	18	0.4%
6.2%	4,731	4,913	181	3.8%
7.4%	4,628	4,744	117	2.5%
8.6%	4,621	4,612	-9	-0.2%
9.9%	4,251	4,187	-63	-1.5%
11.1%	4,110	4,099	-11	-0.3%
12.3%	4,109	4,024	-85	-2.1%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,740	104	2.9%
16.0%	3,582	3,681	99	2.8%
17.3%	3,566	3,657	92	2.6%
18.5%	3,506	3,601	95	2.7%
19.8%	3,401	3,548	148	4.3%
21.0%	3,298	3,543	245	7.4%
22.2%	3,295	3,416	121	3.7%
23.5%	3,235	3,366	131	4.0%
24.7%	3,202	3,294	92	2.9%
25.9%	3,101	3,264	162	5.2%
27.2%	3,085	3,050	-35	-1.1%
28.4%	3,069	3,015	-54	-1.8%
29.6%	3,039	3,011	-28	-0.9%
30.9%	2,917	2,801	-116	-4.0%
32.1%	2,877	2,760	-117	-4.1%
33.3%	2,829	2,677	-152	-5.4%
34.6%	2,803	2,613	-190	-6.8%
35.8%	2,613	2,576	-37	-1.4%
37.0%	2,488	2,556	68	2.7%
38.3%	2,450	2,532	82	3.4%
39.5%	2,263	2,532	269	11.9%
40.7%	2,152	2,498	346	16.1%
42.0%	2,151	2,485	335	15.6%
43.2%	2,091	2,355	264	12.6%
44.4%	2,079	2,288	209	10.1%
45.7%	2,040	2,227	187	9.2%
46.9%	1,983	2,165	182	9.2%
48.1%	1,968	2,127	159	8.1%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,046	162	8.6%
51.9%	1,847	1,964	118	6.4%
53.1%	1,840	1,855	15	0.8%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,840	15	0.8%
56.8%	1,813	1,838	25	1.4%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,815	19	1.1%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,791	15	0.8%
64.2%	1,757	1,776	20	1.1%
65.4%	1,667	1,766	99	5.9%
66.7%	1,666	1,700	34	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,643	55	3.5%
71.6%	1,530	1,615	86	5.6%
72.8%	1,488	1,608	120	8.1%
74.1%	1,460	1,598	138	9.4%
75.3%	1,423	1,575	151	10.6%
76.5%	1,421	1,565	143	10.1%
77.8%	1,404	1,561	157	11.2%
79.0%	1,340	1,535	195	14.6%
80.2%	1,324	1,530	206	15.6%
81.5%	1,311	1,471	160	12.2%
82.7%	1,240	1,227	-13	-1.1%
84.0%	1,162	1,225	63	5.4%
85.2%	1,137	1,170	33	2.9%
86.4%	1,061	1,069	8	0.8%
87.7%	894	947	53	6.0%
88.9%	748	925	177	23.7%
90.1%	725	918	193	26.6%
91.4%	722	747	24	3.4%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	682	0	0.0%
97.5%	672	674	2	0.2%
98.8%	513	483	-31	-6.0%
100.0%	377	447	70	18.5%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,510	718	3.6%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	15,657	-223	-1.4%
3.7%	15,689	15,626	-64	-0.4%
4.9%	13,769	13,762	-7	-0.1%
6.2%	12,867	13,635	767	6.0%
7.4%	8,949	9,004	55	0.6%
8.6%	8,757	8,749	-8	-0.1%
9.9%	7,132	7,129	-3	0.0%
11.1%	6,576	6,676	100	1.5%
12.3%	5,740	6,576	836	14.6%
13.6%	5,025	5,285	260	5.2%
14.8%	4,349	4,981	631	14.5%
16.0%	4,306	4,763	457	10.6%
17.3%	4,294	4,291	-3	-0.1%
18.5%	3,212	3,784	572	17.8%
19.8%	3,196	3,671	475	14.9%
21.0%	2,781	3,208	426	15.3%
22.2%	2,742	3,177	435	15.9%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,466	124	5.3%
25.9%	2,221	2,332	111	5.0%
27.2%	2,096	2,221	125	5.9%
28.4%	2,059	2,168	109	5.3%
29.6%	2,002	2,015	13	0.7%
30.9%	1,969	1,972	3	0.1%
32.1%	1,950	1,967	17	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,932	10	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,908	-2	-0.1%
42.0%	1,899	1,900	1	0.0%
43.2%	1,897	1,899	2	0.1%
44.4%	1,896	1,898	1	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,893	-3	-0.2%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,882	-2	-0.1%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,879	1	0.0%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,873	-4	-0.2%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,869	-1	-0.1%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,868	10	0.5%
63.0%	1,857	1,862	6	0.3%
64.2%	1,856	1,858	2	0.1%
65.4%	1,846	1,857	11	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,780	12	0.7%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.1%
71.6%	1,500	1,668	168	11.2%
72.8%	1,486	1,663	177	11.9%
74.1%	1,441	1,651	210	14.6%
75.3%	1,400	1,640	240	17.1%
76.5%	1,342	1,617	275	20.5%
77.8%	1,340	1,581	241	18.0%
79.0%	1,333	1,570	237	17.8%
80.2%	1,303	1,504	202	15.5%
81.5%	1,285	1,329	44	3.4%
82.7%	1,181	1,259	78	6.6%
84.0%	1,178	1,191	13	1.1%
85.2%	1,132	1,115	-17	-1.5%
86.4%	1,094	970	-125	-11.4%
87.7%	852	946	95	11.1%
88.9%	829	921	92	11.1%
90.1%	799	826	27	3.4%
91.4%	790	797	7	0.9%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	730	9	1.2%
97.5%	718	722	3	0.5%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	30,565	-706	-2.3%
1.2%	20,335	20,332	-2	0.0%
2.5%	17,648	17,638	-10	-0.1%
3.7%	15,531	15,821	290	1.9%
4.9%	14,746	15,520	773	5.2%
6.2%	12,801	12,795	-6	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,740	-5	0.0%
9.9%	10,534	10,595	61	0.6%
11.1%	9,896	10,277	381	3.9%
12.3%	9,298	9,288	-10	-0.1%
13.6%	9,052	9,053	1	0.0%
14.8%	8,927	8,923	-4	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,406	-56	-0.7%
18.5%	6,778	6,708	-71	-1.0%
19.8%	6,640	6,524	-116	-1.7%
21.0%	6,012	6,045	33	0.5%
22.2%	5,818	5,838	20	0.3%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,565	148	2.7%
25.9%	4,982	5,416	434	8.7%
27.2%	4,907	4,894	-13	-0.3%
28.4%	4,861	4,552	-309	-6.4%
29.6%	4,565	4,340	-226	-4.9%
30.9%	4,346	4,338	-8	-0.2%
32.1%	3,937	3,932	-5	-0.1%
33.3%	3,528	3,692	164	4.7%
34.6%	3,392	3,579	188	5.5%
35.8%	3,364	3,469	105	3.1%
37.0%	2,907	3,373	466	16.0%
38.3%	2,782	3,156	374	13.4%
39.5%	2,644	2,853	209	7.9%
40.7%	2,487	2,791	304	12.2%
42.0%	2,482	2,759	277	11.2%
43.2%	2,375	2,644	269	11.3%
44.4%	2,079	2,440	361	17.3%
45.7%	1,863	2,018	155	8.3%
46.9%	1,712	1,988	276	16.1%
48.1%	1,704	1,925	221	13.0%
49.4%	1,676	1,750	75	4.4%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,638	7	0.4%
59.3%	1,631	1,631	0	0.0%
60.5%	1,627	1,629	3	0.2%
61.7%	1,621	1,627	5	0.3%
63.0%	1,616	1,616	0	0.0%
64.2%	1,612	1,612	0	0.0%
65.4%	1,610	1,610	0	0.0%
66.7%	1,608	1,608	0	0.0%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,607	0	0.0%
70.4%	1,600	1,600	0	0.0%
71.6%	1,599	1,599	0	0.0%
72.8%	1,597	1,597	0	0.0%
74.1%	1,582	1,582	0	0.0%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,558	40	2.7%
80.2%	1,418	1,526	108	7.6%
81.5%	1,375	1,426	50	3.7%
82.7%	1,340	1,424	84	6.2%
84.0%	1,325	1,373	48	3.6%
85.2%	1,296	1,327	32	2.4%
86.4%	1,173	1,317	144	12.3%
87.7%	1,149	1,018	-131	-11.4%
88.9%	1,016	982	-34	-3.4%
90.1%	973	952	-22	-2.2%
91.4%	774	876	102	13.2%
92.6%	748	774	26	3.5%
93.8%	721	772	51	7.1%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	708	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-47-9b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,215	-11	0.0%
1.2%	15,568	15,437	-131	-0.8%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,465	10	0.1%
4.9%	13,388	13,392	4	0.0%
6.2%	13,055	13,045	-10	-0.1%
7.4%	12,559	12,849	290	2.3%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,314	-5	0.0%
11.1%	11,196	11,186	-10	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,508	1	0.0%
14.8%	10,012	10,009	-3	0.0%
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%	9,165	9,152	-13	-0.1%
21.0%	7,881	8,435	554	7.0%
22.2%	7,868	7,862	-6	-0.1%
23.5%	7,716	7,371	-345	-4.5%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,028	-2	0.0%
27.2%	6,732	6,701	-30	-0.5%
28.4%	6,105	6,578	473	7.7%
29.6%	6,075	6,076	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	5,398	-154	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,044	-30	-0.6%
38.3%	4,864	4,620	-243	-5.0%
39.5%	4,621	4,547	-74	-1.6%
40.7%	4,549	4,256	-293	-6.4%
42.0%	4,346	4,233	-113	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,234	-59	-1.8%
48.1%	3,218	3,210	-8	-0.2%
49.4%	2,895	2,846	-48	-1.7%
50.6%	2,865	2,843	-22	-0.8%
51.9%	2,723	2,841	118	4.3%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,402	6	0.3%
55.6%	2,347	2,382	35	1.5%
56.8%	2,066	2,338	272	13.2%
58.0%	1,895	2,297	401	21.2%
59.3%	1,814	2,275	461	25.4%
60.5%	1,754	2,067	313	17.9%
61.7%	1,747	1,855	108	6.2%
63.0%	1,646	1,686	40	2.5%
64.2%	1,642	1,646	4	0.2%
65.4%	1,640	1,642	2	0.1%
66.7%	1,622	1,640	18	1.1%
67.9%	1,556	1,622	66	4.2%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,527	93	6.5%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,397	4	0.3%
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	1,303	29	2.3%
85.2%	1,253	1,261	8	0.7%
86.4%	1,152	1,259	108	9.4%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,150	164	16.6%
91.4%	954	1,108	154	16.1%
92.6%	936	887	-49	-5.3%
93.8%	842	849	7	0.8%
95.1%	815	815	0	0.0%
96.3%	731	755	23	3.2%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,577	6	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,302	426	3.6%
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	10,446	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,378	584	7.5%
11.1%	7,547	7,662	115	1.5%
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	5,967	-2	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,524	6	0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	2	0.0%
23.5%	4,368	4,362	-6	-0.1%
24.7%	4,347	4,341	-6	-0.1%
25.9%	4,330	4,320	-10	-0.2%
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%	3,909	3,907	-2	0.0%
33.3%	3,831	3,809	-21	-0.6%
34.6%	3,544	3,555	11	0.3%
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	-0.1%
42.0%	2,998	3,063	66	2.2%
43.2%	2,979	2,975	-4	-0.1%
44.4%	2,924	2,914	-11	-0.4%
45.7%	2,880	2,887	7	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,445	82	3.5%
50.6%	2,223	2,350	127	5.7%
51.9%	2,080	2,299	219	10.5%
53.1%	1,952	2,223	271	13.9%
54.3%	1,882	1,935	53	2.8%
55.6%	1,872	1,885	14	0.7%
56.8%	1,864	1,867	4	0.2%
58.0%	1,788	1,863	75	4.2%
59.3%	1,678	1,702	24	1.4%
60.5%	1,670	1,678	8	0.5%
61.7%	1,653	1,653	0	0.0%
63.0%	1,624	1,631	7	0.4%
64.2%	1,618	1,624	6	0.4%
65.4%	1,597	1,597	0	0.0%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,563	0	0.0%
69.1%	1,552	1,547	-5	-0.3%
70.4%	1,383	1,362	-22	-1.6%
71.6%	1,362	1,360	-1	-0.1%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,171	-2	-0.2%
76.5%	1,055	1,158	102	9.7%
77.8%	1,035	1,140	105	10.1%
79.0%	1,014	1,028	15	1.4%
80.2%	1,000	1,017	17	1.7%
81.5%	974	992	17	1.8%
82.7%	969	989	20	2.1%
84.0%	932	976	43	4.7%
85.2%	865	957	92	10.6%
86.4%	854	948	94	11.0%
87.7%	833	903	70	8.4%
88.9%	823	844	22	2.6%
90.1%	757	833	76	10.0%
91.4%	753	762	9	1.2%
92.6%	743	753	10	1.3%
93.8%	743	743	0	0.0%
95.1%	685	739	54	7.9%
96.3%	664	722	58	8.7%
97.5%	655	649	-7	-1.0%
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 D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,287	-1	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	6,696	3	0.1%
7.4%	6,681	6,681	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	0	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	4,323	-138	-3.1%
23.5%	4,336	4,306	-30	-0.7%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,128	87	2.2%
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	3,933	7	0.2%
33.3%	3,812	3,931	120	3.1%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,746	280	8.1%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,455	532	18.2%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,937	258	9.6%
42.0%	2,643	2,879	235	8.9%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,430	0	0.0%
48.1%	2,388	2,379	-9	-0.4%
49.4%	2,339	2,339	0	0.0%
50.6%	2,254	2,245	-9	-0.4%
51.9%	2,211	2,206	-5	-0.2%
53.1%	2,114	1,983	-132	-6.2%
54.3%	1,983	1,869	-114	-5.7%
55.6%	1,869	1,867	-2	-0.1%
56.8%	1,823	1,795	-28	-1.5%
58.0%	1,777	1,779	2	0.1%
59.3%	1,702	1,776	74	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,541	-20	-1.3%
63.0%	1,525	1,512	-13	-0.8%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,493	-10	-0.7%
67.9%	1,492	1,492	0	0.0%
69.1%	1,450	1,450	0	0.0%
70.4%	1,427	1,422	-5	-0.4%
71.6%	1,269	1,412	142	11.2%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,236	18	1.5%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,205	6	0.5%
80.2%	1,155	1,184	30	2.6%
81.5%	1,098	1,143	45	4.1%
82.7%	1,054	1,052	-2	-0.2%
84.0%	948	1,032	85	8.9%
85.2%	919	913	-5	-0.6%
86.4%	899	911	12	1.3%
87.7%	850	815	-35	-4.2%
88.9%	798	812	14	1.7%
90.1%	783	797	13	1.7%
91.4%	783	792	9	1.1%
92.6%	720	777	57	7.9%
93.8%	685	762	77	11.3%
95.1%	680	727	47	6.9%
96.3%	654	719	65	9.9%
97.5%	640	709	69	10.8%
98.8%	579	658	80	13.8%
100.0%	188	345	157	83.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,874	-15	-0.3%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,072	9	0.2%
27.2%	4,060	4,029	-30	-0.7%
28.4%	3,817	3,794	-23	-0.6%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,681	25	0.7%
32.1%	3,550	3,571	22	0.6%
33.3%	3,544	3,550	5	0.2%
34.6%	3,397	3,544	147	4.3%
35.8%	3,275	3,397	122	3.7%
37.0%	3,195	3,317	121	3.8%
38.3%	3,191	3,275	84	2.6%
39.5%	3,160	3,191	31	1.0%
40.7%	3,142	3,162	20	0.6%
42.0%	3,134	3,142	9	0.3%
43.2%	3,121	3,134	13	0.4%
44.4%	3,060	3,081	21	0.7%
45.7%	3,034	3,060	26	0.9%
46.9%	2,760	3,005	245	8.9%
48.1%	2,674	2,852	179	6.7%
49.4%	2,626	2,671	45	1.7%
50.6%	2,465	2,626	161	6.5%
51.9%	2,333	2,465	132	5.7%
53.1%	2,254	2,333	79	3.5%
54.3%	2,151	2,243	93	4.3%
55.6%	2,011	2,151	139	6.9%
56.8%	1,969	2,010	41	2.1%
58.0%	1,750	1,971	220	12.6%
59.3%	1,649	1,750	102	6.2%
60.5%	1,518	1,518	0	0.0%
61.7%	1,504	1,504	0	0.0%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,277	42	3.4%
67.9%	1,221	1,235	14	1.1%
69.1%	1,217	1,228	11	0.9%
70.4%	1,211	1,221	10	0.9%
71.6%	1,210	1,217	7	0.5%
72.8%	1,201	1,210	9	0.7%
74.1%	1,154	1,201	47	4.1%
75.3%	1,153	1,187	35	3.0%
76.5%	1,090	1,141	51	4.7%
77.8%	1,038	1,141	102	9.9%
79.0%	1,029	1,114	85	8.2%
80.2%	947	1,045	98	10.4%
81.5%	941	1,042	101	10.7%
82.7%	928	1,019	91	9.8%
84.0%	870	1,018	147	16.9%
85.2%	863	1,004	141	16.3%
86.4%	845	985	139	16.5%
87.7%	830	939	109	13.2%
88.9%	796	923	128	16.0%
90.1%	768	909	140	18.3%
91.4%	716	878	162	22.6%
92.6%	698	858	160	23.0%
93.8%	661	761	100	15.2%
95.1%	649	748	99	15.3%
96.3%	627	705	78	12.5%
97.5%	594	661	67	11.3%
98.8%	571	626	55	9.6%
100.0%	188	390	202	107.4%

Table SW-47-9b

American River at Mouth, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
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	4,800	-17	-0.4%
18.5%	4,789	4,789	0	0.0%
19.8%	4,739	4,482	-257	-5.4%
21.0%	4,541	4,450	-90	-2.0%
22.2%	4,482	4,442	-40	-0.9%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,039	-276	-6.4%
27.2%	4,294	3,857	-437	-10.2%
28.4%	3,813	3,842	29	0.8%
29.6%	3,647	3,647	0	0.0%
30.9%	3,617	3,617	0	0.0%
32.1%	3,526	3,500	-26	-0.7%
33.3%	3,500	3,214	-287	-8.2%
34.6%	3,143	3,065	-78	-2.5%
35.8%	3,065	2,879	-186	-6.1%
37.0%	2,864	2,746	-118	-4.1%
38.3%	2,776	2,657	-119	-4.3%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,571	-91	-3.4%
42.0%	2,639	2,553	-86	-3.2%
43.2%	2,635	2,457	-177	-6.7%
44.4%	2,553	2,309	-245	-9.6%
45.7%	2,528	2,294	-233	-9.2%
46.9%	2,468	2,268	-200	-8.1%
48.1%	2,464	2,223	-241	-9.8%
49.4%	2,447	2,161	-286	-11.7%
50.6%	2,363	2,159	-204	-8.6%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,932	-364	-15.8%
54.3%	2,197	1,839	-358	-16.3%
55.6%	2,193	1,837	-355	-16.2%
56.8%	2,176	1,806	-370	-17.0%
58.0%	2,116	1,720	-396	-18.7%
59.3%	2,029	1,712	-318	-15.6%
60.5%	1,997	1,696	-301	-15.1%
61.7%	1,966	1,670	-296	-15.1%
63.0%	1,882	1,631	-250	-13.3%
64.2%	1,839	1,627	-211	-11.5%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,356	-47	-3.4%
84.0%	1,254	1,293	40	3.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,238	193	18.4%
87.7%	980	1,220	240	24.5%
88.9%	946	1,206	261	27.5%
90.1%	889	1,087	198	22.2%
91.4%	814	829	15	1.9%
92.6%	803	782	-21	-2.6%
93.8%	726	726	0	0.0%
95.1%	690	724	33	4.8%
96.3%	550	430	-120	-21.8%
97.5%	511	282	-229	-44.8%
98.8%	332	260	-71	-21.5%
100.0%	188	205	17	9.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,733	-10	-0.2%
2.5%	4,743	4,727	-16	-0.3%
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	4,720	-7	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,717	-9	-0.2%
11.1%	4,724	4,716	-7	-0.2%
12.3%	4,723	4,709	-14	-0.3%
13.6%	4,723	4,705	-18	-0.4%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,552	-168	-3.6%
17.3%	4,719	4,530	-188	-4.0%
18.5%	4,718	4,504	-214	-4.5%
19.8%	4,717	4,252	-465	-9.9%
21.0%	4,717	4,232	-485	-10.3%
22.2%	4,716	4,213	-503	-10.7%
23.5%	4,712	4,157	-555	-11.8%
24.7%	4,709	4,132	-577	-12.3%
25.9%	4,707	4,115	-592	-12.6%
27.2%	4,707	4,072	-635	-13.5%
28.4%	4,702	3,986	-716	-15.2%
29.6%	4,698	3,960	-739	-15.7%
30.9%	4,690	3,869	-821	-17.5%
32.1%	4,684	3,853	-831	-17.7%
33.3%	4,623	3,723	-901	-19.5%
34.6%	4,424	3,713	-710	-16.1%
35.8%	4,373	3,670	-703	-16.1%
37.0%	4,364	3,663	-701	-16.1%
38.3%	4,288	3,613	-675	-15.8%
39.5%	4,282	3,593	-689	-16.1%
40.7%	4,233	3,588	-644	-15.2%
42.0%	4,232	3,546	-686	-16.2%
43.2%	4,105	3,480	-624	-15.2%
44.4%	3,838	3,355	-483	-12.6%
45.7%	3,723	3,230	-493	-13.2%
46.9%	3,639	3,223	-416	-11.4%
48.1%	3,615	3,219	-395	-10.9%
49.4%	3,480	2,977	-503	-14.5%
50.6%	3,323	2,976	-346	-10.4%
51.9%	3,319	2,925	-394	-11.9%
53.1%	3,262	2,827	-435	-13.3%
54.3%	3,260	2,792	-468	-14.3%
55.6%	3,123	2,772	-351	-11.2%
56.8%	3,068	2,754	-314	-10.2%
58.0%	2,979	2,710	-269	-9.0%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,602	-232	-8.2%
61.7%	2,819	2,544	-275	-9.8%
63.0%	2,772	2,504	-268	-9.7%
64.2%	2,754	2,475	-279	-10.1%
65.4%	2,750	2,466	-284	-10.3%
66.7%	2,706	2,446	-261	-9.6%
67.9%	2,659	2,441	-217	-8.2%
69.1%	2,623	2,436	-187	-7.1%
70.4%	2,609	2,421	-188	-7.2%
71.6%	2,578	2,400	-178	-6.9%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,358	-108	-4.4%
75.3%	2,457	2,352	-105	-4.3%
76.5%	2,396	2,304	-92	-3.8%
77.8%	2,383	2,247	-136	-5.7%
79.0%	2,382	2,238	-144	-6.0%
80.2%	2,247	2,101	-147	-6.5%
81.5%	2,225	2,077	-148	-6.6%
82.7%	2,102	1,709	-394	-18.7%
84.0%	1,849	1,682	-167	-9.0%
85.2%	1,824	1,544	-280	-15.4%
86.4%	1,644	1,365	-278	-16.9%
87.7%	1,542	1,313	-229	-14.9%
88.9%	1,443	1,250	-193	-13.4%
90.1%	1,413	1,207	-206	-14.6%
91.4%	1,349	1,165	-184	-13.6%
92.6%	1,190	1,108	-82	-6.9%
93.8%	1,091	1,027	-64	-5.9%
95.1%	588	940	352	60.0%
96.3%	556	840	284	51.0%
97.5%	546	490	-56	-10.3%
98.8%	188	304	116	61.6%
100.0%	188	251	63	33.6%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	3,972	-96	-2.4%
2.5%	3,969	3,969	0	0.0%
3.7%	3,967	3,838	-129	-3.2%
4.9%	3,838	3,809	-29	-0.8%
6.2%	3,809	3,778	-31	-0.8%
7.4%	3,778	3,747	-31	-0.8%
8.6%	3,757	3,717	-40	-1.1%
9.9%	3,747	3,703	-44	-1.2%
11.1%	3,742	3,685	-57	-1.5%
12.3%	3,717	3,634	-84	-2.3%
13.6%	3,703	3,631	-72	-1.9%
14.8%	3,685	3,575	-111	-3.0%
16.0%	3,634	3,538	-95	-2.6%
17.3%	3,548	3,451	-97	-2.7%
18.5%	3,421	3,427	6	0.2%
19.8%	3,392	3,283	-110	-3.2%
21.0%	3,192	3,255	64	2.0%
22.2%	3,157	3,058	-98	-3.1%
23.5%	3,143	3,052	-92	-2.9%
24.7%	3,136	3,035	-101	-3.2%
25.9%	3,125	3,031	-95	-3.0%
27.2%	3,008	2,903	-105	-3.5%
28.4%	2,967	2,891	-76	-2.6%
29.6%	2,941	2,887	-54	-1.8%
30.9%	2,892	2,785	-107	-3.7%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,746	58	2.2%
34.6%	2,628	2,742	114	4.4%
35.8%	2,625	2,734	109	4.1%
37.0%	2,594	2,626	32	1.2%
38.3%	2,562	2,491	-71	-2.8%
39.5%	2,501	2,484	-17	-0.7%
40.7%	2,398	2,481	82	3.4%
42.0%	2,393	2,475	81	3.4%
43.2%	2,391	2,439	48	2.0%
44.4%	2,372	2,402	30	1.3%
45.7%	2,360	2,398	38	1.6%
46.9%	2,323	2,334	11	0.5%
48.1%	2,238	2,334	96	4.3%
49.4%	2,224	2,331	108	4.8%
50.6%	2,158	2,307	149	6.9%
51.9%	2,098	2,227	130	6.2%
53.1%	2,079	2,198	119	5.7%
54.3%	2,074	2,182	108	5.2%
55.6%	2,063	2,153	91	4.4%
56.8%	2,029	2,052	24	1.2%
58.0%	2,020	1,932	-88	-4.4%
59.3%	2,013	1,889	-124	-6.2%
60.5%	1,982	1,828	-154	-7.8%
61.7%	1,949	1,755	-194	-10.0%
63.0%	1,866	1,724	-143	-7.6%
64.2%	1,726	1,722	-4	-0.3%
65.4%	1,699	1,717	18	1.1%
66.7%	1,667	1,715	48	2.9%
67.9%	1,617	1,714	96	6.0%
69.1%	1,489	1,699	210	14.1%
70.4%	1,489	1,641	152	10.2%
71.6%	1,482	1,551	69	4.7%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	9	0.6%
76.5%	1,466	1,474	7	0.5%
77.8%	1,370	1,459	89	6.5%
79.0%	1,213	1,459	246	20.3%
80.2%	1,102	1,334	232	21.1%
81.5%	1,093	1,316	223	20.4%
82.7%	1,041	1,305	263	25.3%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,217	225	22.6%
86.4%	922	1,116	194	21.1%
87.7%	750	891	141	18.7%
88.9%	728	844	115	15.8%
90.1%	723	787	63	8.8%
91.4%	703	780	77	11.0%
92.6%	624	717	93	14.9%
93.8%	571	715	144	25.2%
95.1%	561	640	79	14.2%
96.3%	549	559	11	1.9%
97.5%	545	529	-17	-3.1%
98.8%	444	411	-32	-7.3%
100.0%	188	298	110	58.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,399	-392	-8.2%
2.5%	4,781	4,341	-440	-9.2%
3.7%	4,778	4,144	-634	-13.3%
4.9%	4,773	4,081	-692	-14.5%
6.2%	4,751	4,051	-700	-14.7%
7.4%	4,679	4,039	-640	-13.7%
8.6%	4,607	3,983	-624	-13.5%
9.9%	4,514	3,880	-634	-14.0%
11.1%	4,494	3,834	-660	-14.7%
12.3%	4,463	3,801	-662	-14.8%
13.6%	4,341	3,800	-540	-12.5%
14.8%	4,265	3,795	-470	-11.0%
16.0%	4,210	3,789	-422	-10.0%
17.3%	4,144	3,762	-383	-9.2%
18.5%	4,089	3,757	-332	-8.1%
19.8%	4,080	3,756	-324	-7.9%
21.0%	4,039	3,750	-290	-7.2%
22.2%	4,004	3,722	-282	-7.1%
23.5%	4,001	3,684	-317	-7.9%
24.7%	3,965	3,678	-287	-7.2%
25.9%	3,960	3,657	-303	-7.6%
27.2%	3,840	3,621	-219	-5.7%
28.4%	3,758	3,571	-187	-5.0%
29.6%	3,712	3,520	-192	-5.2%
30.9%	3,684	3,443	-240	-6.5%
32.1%	3,660	3,257	-403	-11.0%
33.3%	3,453	3,158	-296	-8.6%
34.6%	3,337	3,153	-184	-5.5%
35.8%	3,078	3,053	-25	-0.8%
37.0%	2,813	2,805	-8	-0.3%
38.3%	2,784	2,764	-21	-0.7%
39.5%	2,739	2,686	-52	-1.9%
40.7%	2,610	2,662	52	2.0%
42.0%	2,588	2,633	46	1.8%
43.2%	2,569	2,540	-29	-1.1%
44.4%	2,428	2,491	63	2.6%
45.7%	2,368	2,468	100	4.2%
46.9%	2,350	2,397	48	2.0%
48.1%	2,286	2,303	18	0.8%
49.4%	2,119	2,303	183	8.7%
50.6%	2,029	2,228	199	9.8%
51.9%	2,027	2,184	157	7.7%
53.1%	1,897	2,040	143	7.5%
54.3%	1,842	1,966	124	6.7%
55.6%	1,835	1,908	73	4.0%
56.8%	1,813	1,689	-124	-6.8%
58.0%	1,806	1,672	-134	-7.4%
59.3%	1,776	1,541	-235	-13.2%
60.5%	1,763	1,461	-302	-17.1%
61.7%	1,722	1,448	-274	-15.9%
63.0%	1,671	1,431	-240	-14.4%
64.2%	1,665	1,396	-270	-16.2%
65.4%	1,610	1,374	-236	-14.7%
66.7%	1,585	1,327	-258	-16.3%
67.9%	1,535	1,323	-212	-13.8%
69.1%	1,438	1,323	-115	-8.0%
70.4%	1,396	1,319	-77	-5.5%
71.6%	1,357	1,310	-48	-3.5%
72.8%	1,339	1,300	-39	-2.9%
74.1%	1,318	1,190	-129	-9.8%
75.3%	1,312	1,162	-150	-11.4%
76.5%	1,286	1,159	-127	-9.8%
77.8%	1,280	1,157	-123	-9.6%
79.0%	1,150	1,154	5	0.4%
80.2%	1,109	1,144	36	3.2%
81.5%	944	1,115	171	18.1%
82.7%	906	1,084	177	19.5%
84.0%	805	1,080	275	34.2%
85.2%	790	1,042	252	31.8%
86.4%	771	1,027	256	33.2%
87.7%	758	964	206	27.1%
88.9%	754	938	184	24.4%
90.1%	707	853	146	20.7%
91.4%	633	799	165	26.1%
92.6%	606	789	183	30.3%
93.8%	605	781	176	29.1%
95.1%	603	728	125	20.7%
96.3%	598	680	82	13.7%
97.5%	367	602	236	64.3%
98.8%	281	554	273	97.0%
100.0%	281	281	0	0.0%

Table SW-53-9a
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 Period[1]												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative D	3	4	5	6	7	6	4	4	5	6	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.1%	1.0%	8.0%	3.2%	3.4%	-1.4%	-1.3%	-1.4%	-6.0%	-2.2%	-2.8%	-3.4%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative D	4	5	5	11	11	9	6	5	5	6	5	5
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	5.0%	-5.0%	10.2%	1.6%	1.1%	-0.7%	-0.2%	0.4%	-0.1%	-2.5%	-2.0%	-4.1%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative D	3	5	5	7	10	7	5	4	5	6	4	3
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	4.3%	4.2%	10.4%	0.6%	3.9%	-0.6%	1.0%	0.8%	-8.1%	-1.3%	-5.4%	-5.6%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative D	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	6.2%	7.5%	7.1%	6.6%	6.5%	-2.1%	0.2%	-1.1%	-8.1%	0.6%	-5.4%	0.1%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative D	2	3	5	3	4	3	3	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	-1	0	0	0
Percent Difference	-11.5%	7.2%	6.4%	11.4%	8.9%	-4.1%	-2.7%	-1.6%	-12.1%	-4.0%	-4.3%	-4.0%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative D	2	2	3	3	3	2	3	3	5	5	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-7.3%	0.2%	0.7%	4.0%	3.7%	-1.5%	-9.2%	-10.9%	-5.0%	-3.0%	4.1%	0.6%

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

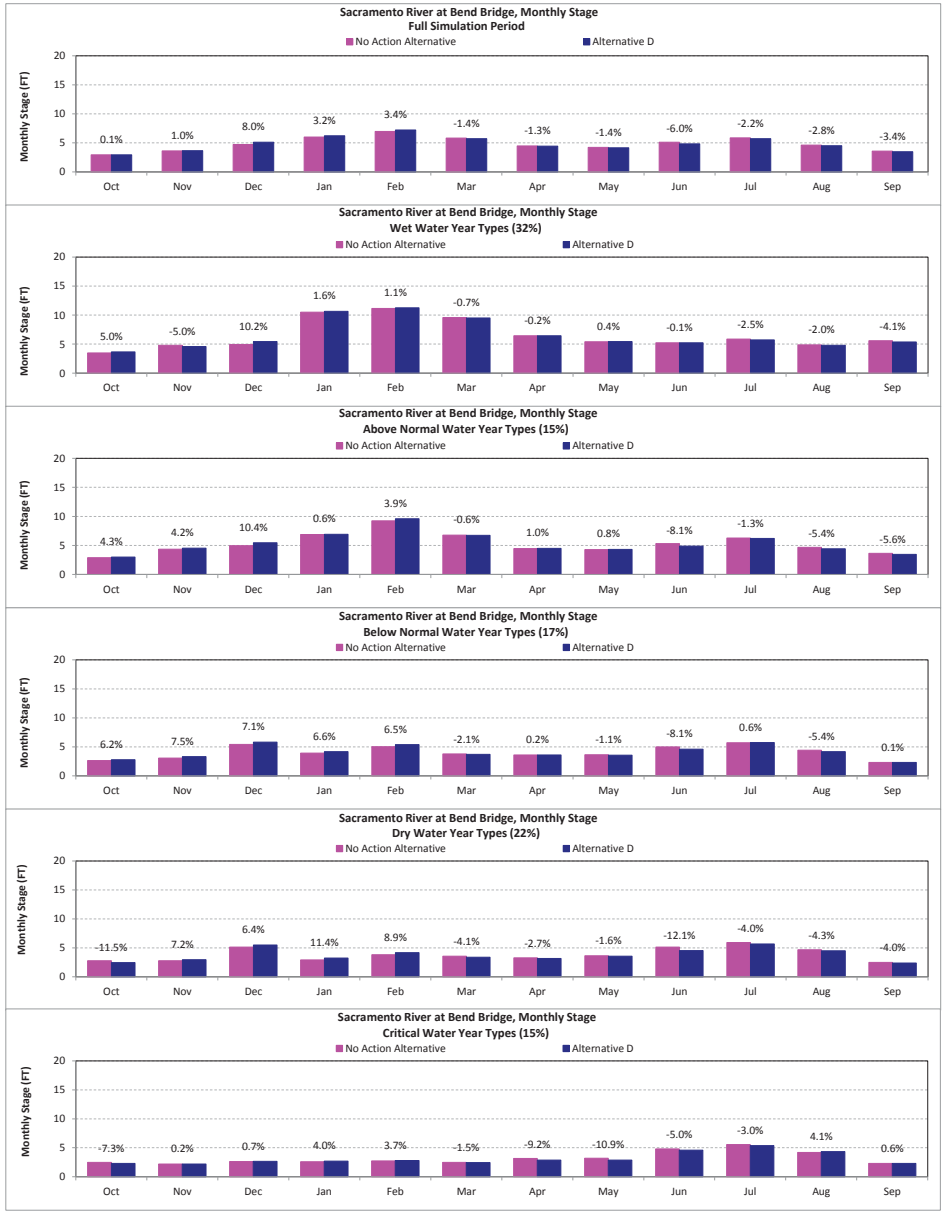

Figure SW-53-9b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

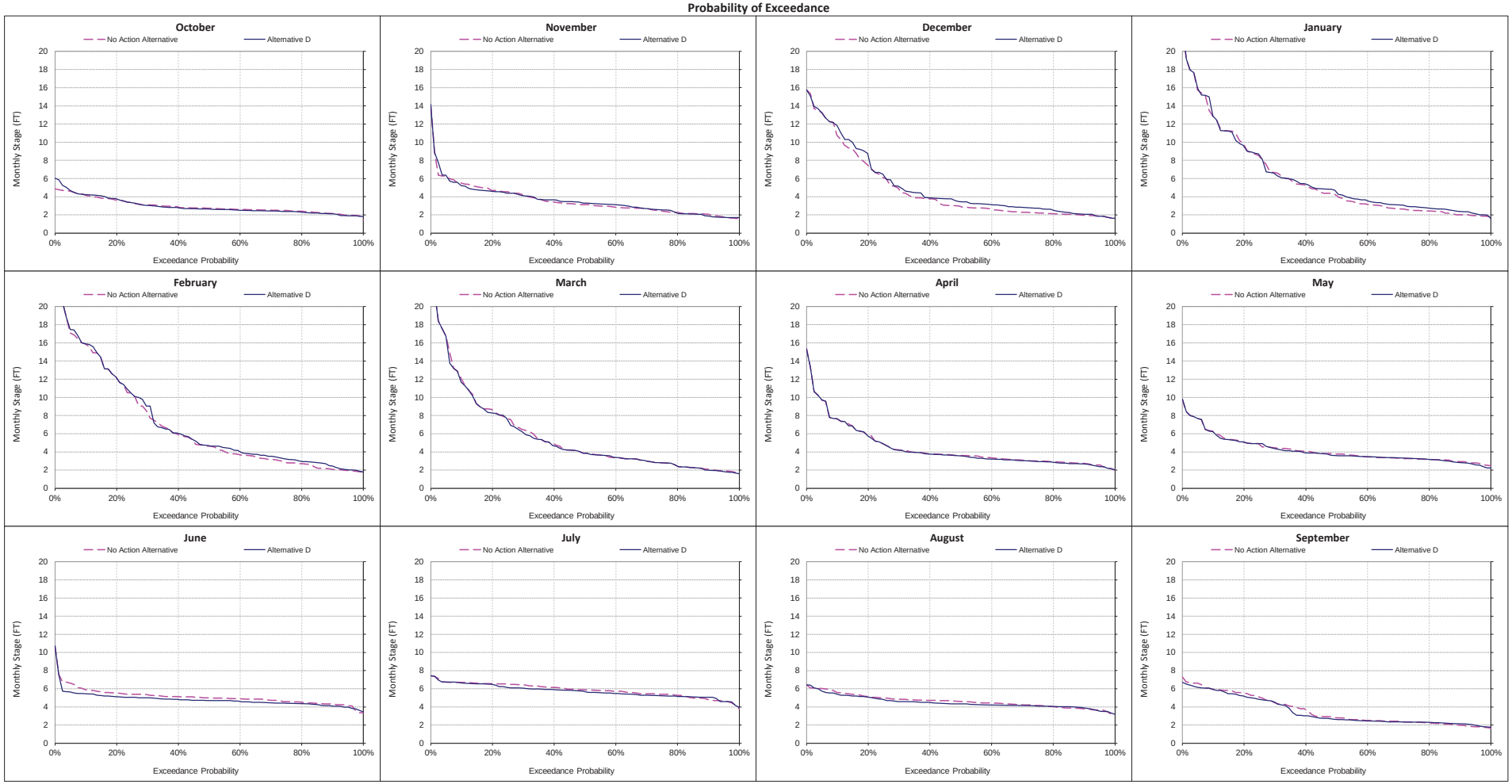

Table SW-53-9b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	6	1	23.6%
1.2%	5	6	1	22.7%
2.5%	5	5	1	11.8%
3.7%	5	5	0	6.9%
4.9%	5	5	0	2.0%
6.2%	5	4	0	-1.1%
7.4%	4	4	0	0.0%
8.6%	4	4	0	-1.8%
9.9%	4	4	0	1.8%
11.1%	4	4	0	3.4%
12.3%	4	4	0	4.7%
13.6%	4	4	0	3.9%
14.8%	4	4	0	6.8%
16.0%	4	4	0	5.9%
17.3%	4	4	0	1.7%
18.5%	4	4	0	2.0%
19.8%	4	4	0	4.6%
21.0%	4	4	0	0.7%
22.2%	4	4	0	0.1%
23.5%	3	3	0	0.1%
24.7%	3	3	0	-0.8%
25.9%	3	3	0	1.7%
27.2%	3	3	0	-1.3%
28.4%	3	3	0	-0.2%
29.6%	3	3	0	-2.1%
30.9%	3	3	0	-2.5%
32.1%	3	3	0	-3.4%
33.3%	3	3	0	-3.1%
34.6%	3	3	0	-3.9%
35.8%	3	3	0	-4.0%
37.0%	3	3	0	-4.5%
38.3%	3	3	0	-4.3%
39.5%	3	3	0	-3.2%
40.7%	3	3	0	-1.3%
42.0%	3	3	0	-3.5%
43.2%	3	3	0	-3.2%
44.4%	3	3	0	-3.4%
45.7%	3	3	0	-3.4%
46.9%	3	3	0	-3.6%
48.1%	3	3	0	-3.5%
49.4%	3	3	0	-3.6%
50.6%	3	3	0	-3.6%
51.9%	3	3	0	-3.4%
53.1%	3	3	0	-2.9%
54.3%	3	3	0	-1.9%
55.6%	3	3	0	-2.2%
56.8%	3	3	0	-2.1%
58.0%	3	3	0	-3.2%
59.3%	3	3	0	-2.5%
60.5%	3	2	0	-3.8%
61.7%	3	2	0	-3.3%
63.0%	3	2	0	-3.8%
64.2%	3	2	0	-3.9%
65.4%	3	2	0	-3.4%
66.7%	3	2	0	-2.7%
67.9%	3	2	0	-2.6%
69.1%	3	2	0	-3.3%
70.4%	3	2	0	-3.3%
71.6%	3	2	0	-3.2%
72.8%	2	2	0	-4.2%
74.1%	2	2	0	-3.5%
75.3%	2	2	0	-3.5%
76.5%	2	2	0	-2.8%
77.8%	2	2	0	-2.9%
79.0%	2	2	0	-3.5%
80.2%	2	2	0	-4.7%
81.5%	2	2	0	-3.6%
82.7%	2	2	0	-5.3%
84.0%	2	2	0	-3.8%
85.2%	2	2	0	-2.8%
86.4%	2	2	0	-1.8%
87.7%	2	2	0	-1.9%
88.9%	2	2	0	-1.7%
90.1%	2	2	0	-1.2%
91.4%	2	2	0	-2.5%
92.6%	2	2	0	-6.0%
93.8%	2	2	0	-2.7%
95.1%	2	2	0	-2.0%
96.3%	2	2	0	-2.1%
97.5%	2	2	0	-1.9%
98.8%	2	2	0	-2.2%
100.0%	1	2	0	29.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	0.8%
1.2%	9	9	0	0.0%
2.5%	6	8	1	22.0%
3.7%	6	6	0	2.0%
4.9%	6	6	0	1.5%
6.2%	6	6	0	-4.2%
7.4%	6	6	0	-4.3%
8.6%	6	6	0	0.9%
9.9%	5	5	0	-5.2%
11.1%	5	5	0	-4.4%
12.3%	5	5	0	-7.9%
13.6%	5	5	0	-7.0%
14.8%	5	5	0	-6.5%
16.0%	5	5	0	-6.3%
17.3%	5	5	0	-5.3%
18.5%	5	5	0	-5.9%
19.8%	5	5	0	-2.1%
21.0%	5	5	0	-3.0%
22.2%	5	5	0	-1.7%
23.5%	5	5	0	-1.2%
24.7%	5	4	0	-3.8%
25.9%	5	4	0	-2.9%
27.2%	4	4	0	-0.2%
28.4%	4	4	0	-3.3%
29.6%	4	4	0	-2.2%
30.9%	4	4	0	0.0%
32.1%	4	4	0	2.1%
33.3%	4	4	0	1.8%
34.6%	4	4	0	-4.0%
35.8%	4	4	0	-0.6%
37.0%	4	4	0	4.2%
38.3%	3	4	0	5.4%
39.5%	3	4	0	6.3%
40.7%	3	4	0	7.6%
42.0%	3	3	0	4.7%
43.2%	3	3	0	5.1%
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	8.8%
49.4%	3	3	0	5.8%
50.6%	3	3	0	5.4%
51.9%	3	3	0	4.8%
53.1%	3	3	0	7.6%
54.3%	3	3	0	7.0%
55.6%	3	3	0	7.3%
56.8%	3	3	0	7.7%
58.0%	3	3	0	7.7%
59.3%	3	3	0	8.8%
60.5%	3	3	0	10.0%
61.7%	3	3	0	10.5%
63.0%	3	3	0	8.4%
64.2%	3	3	0	6.6%
65.4%	3	3	0	3.2%
66.7%	3	3	0	3.4%
67.9%	3	3	0	1.0%
69.1%	3	3	0	-1.5%
70.4%	3	3	0	0.3%
71.6%	3	3	0	2.2%
72.8%	3	3	0	2.4%
74.1%	2	3	0	4.8%
75.3%	2	3	0	6.0%
76.5%	2	3	0	8.1%
77.8%	2	2	0	8.9%
79.0%	2	2	0	2.2%
80.2%	2	2	0	-4.9%
81.5%	2	2	0	-3.1%
82.7%	2	2	0	-2.6%
84.0%	2	2	0	-2.6%
85.2%	2	2	0	-3.1%
86.4%	2	2	0	-1.8%
87.7%	2	2	0	-1.8%
88.9%	2	2	0	-9.3%
90.1%	2	2	0	-9.9%
91.4%	2	2	0	-7.3%
92.6%	2	2	0	-6.7%
93.8%	2	2	0	-4.7%
95.1%	2	2	0	-1.3%
96.3%	2	2	0	1.1%
97.5%	2	2	0	3.6%
98.8%	2	2	0	5.4%
100.0%	2	2	0	7.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-1.7%
2.5%	14	14	0	1.8%
3.7%	13	14	0	1.7%
4.9%	13	13	0	-0.6%
6.2%	13	13	0	0.0%
7.4%	12	12	0	0.0%
8.6%	12	12	0	-0.3%
9.9%	11	12	1	10.0%
11.1%	10	11	1	6.6%
12.3%	10	10	1	6.7%
13.6%	9	10	1	10.0%
14.8%	9	10	1	7.5%
16.0%	9	9	0	5.6%
17.3%	8	9	1	13.0%
18.5%	8	9	1	14.8%
19.8%	8	9	1	16.7%
21.0%	7	7	0	-1.3%
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	0	5.2%
33.3%	4	5	0	10.4%
34.6%	4	4	1	14.7%
35.8%	4	4	1	14.7%
37.0%	4	4	1	14.2%
38.3%	4	4	0	3.4%
39.5%	4	4	0	2.8%
40.7%	4	4	0	2.7%
42.0%	4	4	0	4.0%
43.2%	3	4	1	17.4%
44.4%	3	4	1	23.7%
45.7%	3	4	1	23.6%
46.9%	3	4	1	23.6%
48.1%	3	4	1	18.3%
49.4%	3	3	0	16.8%
50.6%	3	3	1	21.1%
51.9%	3	3	1	20.6%
53.1%	3	3	0	17.2%
54.3%	3	3	0	16.5%
55.6%	3	3	0	16.6%
56.8%	3	3	0	16.2%
58.0%	3	3	0	16.5%
59.3%	3	3	0	16.8%
60.5%	3	3	1	22.1%
61.7%	3	3	1	22.3%
63.0%	2	3	1	22.6%
64.2%	2	3	1	24.7%
65.4%	2	3	1	21.4%
66.7%	2	3	1	23.4%
67.9%	2	3	1	21.9%
69.1%	2	3	1	23.9%
70.4%	2	3	1	22.9%
71.6%	2	3	1	22.1%
72.8%	2	3	1	23.9%
74.1%	2	3	1	23.6%
75.3%	2	3	1	24.2%
76.5%	2	3	0	21.1%
77.8%	2	3	0	22.2%
79.0%	2	3	0	22.1%
80.2%	2	2	0	17.5%
81.5%	2	2	0	14.4%
82.7%	2	2	0	12.4%
84.0%	2	2	0	11.2%
85.2%	2	2	0	10.3%
86.4%	2	2	0	4.5%
87.7%	2	2	0	3.1%
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	-0.1%
100.0%	2	2	0	1.7%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	1.1%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-0.1%
8.6%	14	15	1	10.7%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	11	0	-2.0%
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	-2.4%
21.0%	9	9	0	-1.0%
22.2%	9	9	0	1.4%
23.5%	9	9	0	0.9%
24.7%	9	9	0	2.2%
25.9%	8	8	0	0.7%
27.2%	8	7	-1	-10.9%
28.4%	7	7	0	-1.1%
29.6%	7	7	0	-1.4%
30.9%	7	6	0	-4.6%
32.1%	6	6	0	-2.8%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	4.6%
37.0%	5	6	0	5.4%
38.3%	5	5	0	1.8%
39.5%	5	5	0	2.8%
40.7%	5	5	0	4.5%
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	7.9%
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	14.8%
58.0%	3	4	0	14.0%
59.3%	3	4	0	14.4%
60.5%	3	3	0	12.0%
61.7%	3	3	0	10.2%
63.0%	3	3	0	8.5%
64.2%	3	3	0	10.8%
65.4%	3	3	0	9.7%
66.7%	3	3	0	14.5%
67.9%	3	3	0	14.3%
69.1%	3	3	0	15.7%
70.4%	3	3	0	16.3%
71.6%	3	3	0	15.9%
72.8%	3	3	0	14.8%
74.1%	3	3	0	15.5%
75.3%	2	3	0	16.7%
76.5%	2	3	0	15.5%
77.8%	2	3	0	14.5%
79.0%	2	3	0	13.8%
80.2%	2	3	0	12.8%
81.5%	2	3	0	11.3%
82.7%	2	3	0	12.0%
84.0%	2	3	0	11.9%
85.2%	2	3	0	19.6%
86.4%	2	3	0	16.7%
87.7%	2	2	0	17.8%
88.9%	2	2	0	19.2%
90.1%	2	2	0	18.0%
91.4%	2	2	0	16.5%
92.6%	2	2	0	16.8%
93.8%	2	2	0	14.5%
95.1%	2	2	0	11.1%
96.3%	2	2	0	7.9%
97.5%	2	2	0	7.3%
98.8%	2	2	0	8.6%
100.0%	2	2	0	-10.2%

Table SW-53-9b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	1.2%
1.2%	20	21	1	4.9%
2.5%	20	20	0	0.2%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.3%
6.2%	17	17	1	3.1%
7.4%	16	17	0	2.0%
8.6%	16	16	0	0.0%
9.9%	16	16	0	0.0%
11.1%	16	16	0	1.7%
12.3%	15	16	1	4.5%
13.6%	15	15	0	0.2%
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	11	0	3.9%
24.7%	10	10	0	0.0%
25.9%	10	10	0	0.0%
27.2%	9	10	1	10.3%
28.4%	9	10	1	8.1%
29.6%	9	9	1	6.1%
30.9%	8	9	1	17.2%
32.1%	7	7	0	-3.5%
33.3%	7	7	0	-6.6%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-2.1%
37.0%	7	6	0	-0.8%
38.3%	6	6	0	0.0%
39.5%	6	6	0	1.5%
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	7.6%
61.7%	4	4	0	6.0%
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	10.8%
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	12.9%
79.0%	3	3	0	11.9%
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	27.0%
86.4%	2	3	1	26.0%
87.7%	2	3	1	25.3%
88.9%	2	2	0	15.6%
90.1%	2	2	0	17.7%
91.4%	2	2	0	9.5%
92.6%	2	2	0	6.5%
93.8%	2	2	0	3.9%
95.1%	2	2	0	3.1%
96.3%	2	2	0	5.1%
97.5%	2	2	0	6.6%
98.8%	2	2	0	3.9%
100.0%	2	2	0	0.5%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-7.7%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	12	12	0	-3.4%
11.1%	11	11	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	10	0	-1.6%
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	-4.3%
19.8%	9	8	0	-4.4%
21.0%	8	8	0	-1.1%
22.2%	8	8	0	0.0%
23.5%	8	8	0	1.6%
24.7%	8	8	0	0.0%
25.9%	8	7	-1	-8.4%
27.2%	7	7	0	-1.3%
28.4%	7	6	0	-3.3%
29.6%	6	6	0	-3.8%
30.9%	6	6	0	-7.4%
32.1%	6	6	0	-7.3%
33.3%	6	5	0	-8.2%
34.6%	5	5	0	-1.9%
35.8%	5	5	0	-0.8%
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	-0.4%
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	-0.4%
55.6%	4	4	0	0.0%
56.8%	4	4	0	0.6%
58.0%	3	4	0	4.9%
59.3%	3	3	0	1.1%
60.5%	3	3	0	1.0%
61.7%	3	3	0	1.7%
63.0%	3	3	0	-0.1%
64.2%	3	3	0	0.0%
65.4%	3	3	0	0.0%
66.7%	3	3	0	-0.1%
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	-0.1%
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	-0.2%
86.4%	2	2	0	0.0%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-4.8%
90.1%	2	2	0	-5.6%
91.4%	2	2	0	-3.6%
92.6%	2	2	0	-2.3%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-5.0%
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	-0.5%
29.6%	4	4	0	-0.6%
30.9%	4	4	0	-0.6%
32.1%	4	4	0	-3.9%
33.3%	4	4	0	-2.1%
34.6%	4	4	0	0.0%
35.8%	4	4	0	0.1%
37.0%	4	4	0	-0.3%
38.3%	4	4	0	-2.1%
39.5%	4	4	0	-1.0%
40.7%	4	4	0	-1.4%
42.0%	4	4	0	-1.9%
43.2%	4	4	0	-1.3%
44.4%	4	4	0	-1.8%
45.7%	4	4	0	-1.4%
46.9%	4	4	0	-1.6%
48.1%	4	4	0	-1.0%
49.4%	4	4	0	-0.7%
50.6%	4	4	0	-1.3%
51.9%	4	3	0	-3.0%
53.1%	4	3	0	-4.7%
54.3%	4	3	0	-5.1%
55.6%	4	3	0	-6.9%
56.8%	3	3	0	-3.9%
58.0%	3	3	0	-4.3%
59.3%	3	3	0	-4.8%
60.5%	3	3	0	-3.4%
61.7%	3	3	0	-3.5%
63.0%	3	3	0	-3.0%
64.2%	3	3	0	-2.5%
65.4%	3	3	0	-1.6%
66.7%	3	3	0	-1.2%
67.9%	3	3	0	-2.0%
69.1%	3	3	0	-2.1%
70.4%	3	3	0	-1.1%
71.6%	3	3	0	-0.6%
72.8%	3	3	0	-0.7%
74.1%	3	3	0	-1.3%
75.3%	3	3	0	-1.9%
76.5%	3	3	0	-2.0%
77.8%	3	3	0	-2.3%
79.0%	3	3	0	-1.4%
80.2%	3	3	0	-2.4%
81.5%	3	3	0	-3.8%
82.7%	3	3	0	-3.6%
84.0%	3	3	0	-2.7%
85.2%	3	3	0	-3.5%
86.4%	3	3	0	-2.6%
87.7%	3	3	0	-2.7%
88.9%	3	3	0	-2.5%
90.1%	3	3	0	-2.2%
91.4%	3	3	0	-1.1%
92.6%	3	3	0	-1.2%
93.8%	3	2	0	-4.2%
95.1%	3	2	0	-6.9%
96.3%	2	2	0	1.5%
97.5%	2	2	0	-3.1%
98.8%	2	2	0	0.0%
100.0%	2	2	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-1.5%
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	-0.8%
18.5%	5	5	0	-2.9%
19.8%	5	5	0	0.7%
21.0%	5	5	0	0.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	-0.1%
24.7%	5	5	0	0.0%
25.9%	5	5	0	8.0%
27.2%	5	5	0	0.9%
28.4%	5	5	0	0.0%
29.6%	4	4	0	-1.8%
30.9%	4	4	0	-2.8%
32.1%	4	4	0	-3.5%
33.3%	4	4	0	-5.5%
34.6%	4	4	0	-4.8%
35.8%	4	4	0	-4.7%
37.0%	4	4	0	-1.3%
38.3%	4	4	0	-1.1%
39.5%	4	4	0	-4.3%
40.7%	4	4	0	-4.1%
42.0%	4	4	0	-2.6%
43.2%	4	4	0	0.1%
44.4%	4	4	0	-0.9%
45.7%	4	4	0	-0.5%
46.9%	4	4	0	-1.5%
48.1%	4	4	0	-4.9%
49.4%	4	4	0	-4.4%
50.6%	4	4	0	-4.7%
51.9%	4	4	0	-4.9%
53.1%	4	4	0	-3.6%
54.3%	4	4	0	-2.2%
55.6%	4	4	0	-2.0%
56.8%	4	4	0	-1.2%
58.0%	4	3	0	-1.9%
59.3%	3	3	0	0.4%
60.5%	3	3	0	0.2%
61.7%	3	3	0	0.9%
63.0%	3	3	0	1.9%
64.2%	3	3	0	1.2%
65.4%	3	3	0	0.5%
66.7%	3	3	0	1.0%
67.9%	3	3	0	1.3%
69.1%	3	3	0	1.8%
70.4%	3	3	0	0.4%
71.6%	3	3	0	1.4%
72.8%	3	3	0	1.5%
74.1%	3	3	0	0.6%
75.3%	3	3	0	1.5%
76.5%	3	3	0	1.7%
77.8%	3	3	0	1.1%
79.0%	3	3	0	0.5%
80.2%	3	3	0	-1.0%
81.5%	3	3	0	-0.5%
82.7%	3	3	0	-1.2%
84.0%	3	3	0	-2.5%
85.2%	3	3	0	-3.3%
86.4%	3	3	0	-3.2%
87.7%	3	3	0	-1.5%
88.9%	3	3	0	-3.5%
90.1%	3	3	0	-3.7%
91.4%	3	3	0	-4.3%
92.6%	3	3	0	-2.2%
93.8%	3	3	0	-4.3%
95.1%	3	3	0	-7.8%
96.3%	3	3	0	-7.7%
97.5%	3	2	0	-8.0%
98.8%	3	2	0	-12.6%
100.0%	2	2	0	-10.1%

Table SW-53-9b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	6	-1	-15.0%
3.7%	7	6	-1	-15.7%
4.9%	7	6	-1	-14.7%
6.2%	6	6	-1	-14.5%
7.4%	6	5	-1	-10.0%
8.6%	6	5	-1	-9.5%
9.9%	6	5	0	-7.6%
11.1%	6	5	0	-6.4%
12.3%	6	5	0	-6.4%
13.6%	6	5	0	-7.6%
14.8%	6	5	0	-7.6%
16.0%	6	5	0	-7.0%
17.3%	6	5	0	-7.0%
18.5%	6	5	0	-7.0%
19.8%	6	5	0	-7.1%
21.0%	5	5	0	-7.1%
22.2%	5	5	0	-7.1%
23.5%	5	5	0	-6.2%
24.7%	5	5	0	-6.2%
25.9%	5	5	0	-6.2%
27.2%	5	5	0	-6.9%
28.4%	5	5	0	-6.9%
29.6%	5	5	0	-6.3%
30.9%	5	5	0	-5.3%
32.1%	5	5	0	-5.5%
33.3%	5	5	0	-5.5%
34.6%	5	5	0	-6.3%
35.8%	5	5	0	-5.4%
37.0%	5	5	0	-5.5%
38.3%	5	5	0	-6.1%
39.5%	5	5	0	-6.2%
40.7%	5	5	0	-6.5%
42.0%	5	5	0	-6.5%
43.2%	5	5	0	-6.5%
44.4%	5	5	0	-7.2%
45.7%	5	5	0	-6.6%
46.9%	5	5	0	-6.6%
48.1%	5	5	0	-5.7%
49.4%	5	5	0	-6.2%
50.6%	5	5	0	-5.4%
51.9%	5	5	0	-5.5%
53.1%	5	5	0	-5.5%
54.3%	5	5	0	-5.5%
55.6%	5	5	0	-5.4%
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	-6.5%
61.7%	5	5	0	-6.5%
63.0%	5	5	0	-6.6%
64.2%	5	5	0	-7.5%
65.4%	5	5	0	-7.5%
66.7%	5	5	0	-7.5%
67.9%	5	5	0	-6.8%
69.1%	5	4	0	-6.0%
70.4%	5	4	0	-6.0%
71.6%	5	4	0	-6.7%
72.8%	5	4	0	-6.1%
74.1%	5	4	0	-4.0%
75.3%	5	4	0	-4.6%
76.5%	5	4	0	-4.6%
77.8%	5	4	0	-3.9%
79.0%	5	4	0	-3.8%
80.2%	5	4	0	-2.8%
81.5%	4	4	0	-2.9%
82.7%	4	4	0	-2.8%
84.0%	4	4	0	-2.7%
85.2%	4	4	0	-2.9%
86.4%	4	4	0	-4.4%
87.7%	4	4	0	-4.1%
88.9%	4	4	0	-4.0%
90.1%	4	4	0	-5.2%
91.4%	4	4	0	-3.5%
92.6%	4	4	0	-4.1%
93.8%	4	4	0	-5.7%
95.1%	4	4	0	-4.1%
96.3%	4	4	0	-7.1%
97.5%	4	4	0	6.2%
98.8%	3	4	0	7.5%
100.0%	3	3	0	2.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-2.3%
3.7%	7	7	0	-0.7%
4.9%	7	7	0	0.1%
6.2%	7	7	0	0.5%
7.4%	7	7	0	0.6%
8.6%	7	7	0	0.0%
9.9%	7	7	0	-0.6%
11.1%	7	7	0	-1.3%
12.3%	7	7	0	-1.3%
13.6%	7	7	0	-1.3%
14.8%	7	7	0	-1.2%
16.0%	7	7	0	-0.7%
17.3%	7	7	0	-0.6%
18.5%	7	7	0	-0.6%
19.8%	7	6	0	-1.3%
21.0%	7	6	0	-2.0%
22.2%	7	6	0	-4.6%
23.5%	7	6	0	-4.6%
24.7%	7	6	0	-5.9%
25.9%	6	6	0	-5.9%
27.2%	6	6	0	-5.9%
28.4%	6	6	0	-5.4%
29.6%	6	6	0	-5.4%
30.9%	6	6	0	-5.9%
32.1%	6	6	0	-5.4%
33.3%	6	6	0	-5.4%
34.6%	6	6	0	-5.4%
35.8%	6	6	0	-4.5%
37.0%	6	6	0	-4.0%
38.3%	6	6	0	-3.4%
39.5%	6	6	0	-4.0%
40.7%	6	6	0	-4.1%
42.0%	6	6	0	-4.0%
43.2%	6	6	0	-3.7%
44.4%	6	6	0	-1.6%
45.7%	6	6	0	-2.2%
46.9%	6	6	0	-2.8%
48.1%	6	6	0	-2.1%
49.4%	6	6	0	-2.7%
50.6%	6	6	0	-3.9%
51.9%	6	6	0	-4.4%
53.1%	6	6	0	-4.4%
54.3%	6	6	0	-3.9%
55.6%	6	6	0	-4.0%
56.8%	6	6	0	-3.9%
58.0%	6	6	0	-4.0%
59.3%	6	5	0	-4.2%
60.5%	6	5	0	-4.3%
61.7%	6	5	0	-4.9%
63.0%	6	5	0	-3.4%
64.2%	6	5	0	-3.6%
65.4%	6	5	0	-3.5%
66.7%	6	5	0	-3.4%
67.9%	5	5	0	-2.7%
69.1%	5	5	0	-2.7%
70.4%	5	5	0	-2.7%
71.6%	5	5	0	-3.4%
72.8%	5	5	0	-3.4%
74.1%	5	5	0	-2.7%
75.3%	5	5	0	-3.5%
76.5%	5	5	0	-3.5%
77.8%	5	5	0	-3.5%
79.0%	5	5	0	-1.8%
80.2%	5	5	0	-2.7%
81.5%	5	5	0	-2.1%
82.7%	5	5	0	-0.2%
84.0%	5	5	0	1.8%
85.2%	5	5	0	2.8%
86.4%	5	5	0	2.7%
87.7%	5	5	0	2.2%
88.9%	5	5	0	2.9%
90.1%	5	5	0	6.2%
91.4%	5	5	0	6.9%
92.6%	5	5	0	4.8%
93.8%	5	5	0	-2.0%
95.1%	5	5	0	-0.8%
96.3%	5	5	0	0.1%
97.5%	4	5	0	2.3%
98.8%	4	4	0	-0.5%
100.0%	4	4	0	4.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	5.0%
2.5%	6	6	0	0.0%
3.7%	6	6	0	0.0%
4.9%	6	6	0	-4.8%
6.2%	6	6	0	-6.4%
7.4%	6	6	0	-6.8%
8.6%	6	6	0	-4.6%
9.9%	6	5	0	-3.5%
11.1%	6	5	0	-4.5%
12.3%	5	5	0	-3.7%
13.6%	5	5	0	-3.5%
14.8%	5	5	0	-3.4%
16.0%	5	5	0	-2.9%
17.3%	5	5	0	-2.7%
18.5%	5	5	0	-1.8%
19.8%	5	5	0	-0.9%
21.0%	5	5	0	-1.0%
22.2%	5	5	0	-2.0%
23.5%	5	5	0	-2.9%
24.7%	5	5	0	-2.7%
25.9%	5	5	0	-5.4%
27.2%	5	5	0	-4.6%
28.4%	5	5	0	-4.8%
29.6%	5	5	0	-5.6%
30.9%	5	5	0	-5.0%
32.1%	5	5	0	-5.0%
33.3%	5	5	0	-3.8%
34.6%	5	5	0	-4.6%
35.8%	5	5	0	-3.9%
37.0%	5	5	0	-4.8%
38.3%	5	5	0	-4.8%
39.5%	5	5	0	-4.8%
40.7%	5	4	0	-5.9%
42.0%	5	4	0	-6.7%
43.2%	5	4	0	-6.1%
44.4%	5	4	0	-6.8%
45.7%	5	4	0	-6.9%
46.9%	5	4	0	-7.8%
48.1%	5	4	0	-6.6%
49.4%	5	4	0	-5.9%
50.6%	5	4	0	-5.9%
51.9%	5	4	0	-5.9%
53.1%	5	4	0	-6.4%
54.3%	5	4	0	-5.5%
55.6%	5	4	0	-6.0%
56.8%	4	4	0	-4.9%
58.0%	4	4	0	-5.1%
59.3%	4	4	0	-5.2%
60.5%	4	4	0	-4.5%
61.7%	4	4	0	-4.6%
63.0%	4	4	0	-4.1%
64.2%	4	4	0	-4.3%
65.4%	4	4	0	-3.6%
66.7%	4	4	0	-3.0%
67.9%	4	4	0	-2.2%
69.1%	4	4	0	-2.0%
70.4%	4	4	0	-1.9%
71.6%	4	4	0	-1.8%
72.8%	4	4	0	-1.8%
74.1%	4	4	0	-1.7%
75.3%	4	4	0	-1.4%
76.5%	4	4	0	-1.0%
77.8%	4	4	0	0.4%
79.0%	4	4	0	0.1%
80.2%	4	4	0	0.7%
81.5%	4	4	0	2.6%
82.7%	4	4	0	2.7%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.7%
86.4%	4	4	0	3.1%
87.7%	4	4	0	3.2%
88.9%	4	4	0	3.2%
90.1%	4	4	0	2.7%
91.4%	4	4	0	1.6%
92.6%	4	4	0	2.1%
93.8%	4	4	0	0.2%
95.1%	4	4	0	-3.4%
96.3%	4	3	0	-3.6%
97.5%	3	3	0	0.5%
98.8%	3	3	0	4.1%
100.0%	3	3	0	5.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.3%
1.2%	7	7	0	-3.2%
2.5%	7	6	0	-4.0%
3.7%	7	6	0	-5.2%
4.9%	7	6	0	-7.2%
6.2%	6	6	0	-5.3%
7.4%	6	6	0	-0.4%
8.6%	6	6	0	-0.1%
9.9%	6	6	0	0.0%
11.1%	6	6	0	-1.3%
12.3%	6	6	0	-0.7%
13.6%	6	6	0	-3.1%
14.8%	6	5	0	-6.3%
16.0%	6	5	0	-5.8%
17.3%	6	5	0	-3.7%
18.5%	6	5	0	-6.2%
19.8%	5	5	0	-5.3%
21.0%	5	5	0	-7.8%
22.2%	5	5	0	-5.2%
23.5%	5	5	0	-5.5%
24.7%	5	5	0	-5.3%
25.9%	5	5	0	-3.8%
27.2%	5	5	0	-0.1%
28.4%	5	5	0	-0.8%
29.6%	5	5	0	1.1%
30.9%	4	4	0	-0.4%
32.1%	4	4	0	-1.7%
33.3%	4	4	0	-2.7%
34.6%	4	4	0	-6.3%
35.8%	4	3	-1	-17.3%
37.0%	4	3	-1	-21.7%
38.3%	4	3	-1	-18.8%
39.5%	4	3	-1	-20.1%
40.7%	3	3	0	-13.1%
42.0%	3	3	0	-7.0%
43.2%	3	3	0	-3.4%
44.4%	3	3	0	-6.3%
45.7%	3	3	0	-6.4%
46.9%	3	3	0	-6.2%
48.1%	3	3	0	-7.3%
49.4%	3	3	0	-6.8%
50.6%	3	3	0	-6.6%
51.9%	3	3	0	-7.0%
53.1%	3	3	0	-5.7%
54.3%	3	3	0	-1.4%
55.6%	3	3	0	-1.5%
56.8%	3	2	0	-3.9%
58.0%	3	2	0	-3.8%
59.3%	3	2	0	-2.4%
60.5%	3	2	0	-2.0%
61.7%	2	2	0	-2.0%
63.0%	2	2	0	-2.1%
64.2%	2	2	0	-2.3%
65.4%	2	2	0	-1.7%
66.7%	2	2	0	-3.1%
67.9%	2	2	0	-3.2%
69.1%	2	2	0	-2.8%
70.4%	2	2	0	-2.9%
71.6%	2	2	0	-0.3%
72.8%	2	2	0	0.0%
74.1%	2	2	0	0.1%
75.3%	2	2	0	0.7%
76.5%	2	2	0	1.0%
77.8%	2	2	0	0.9%
79.0%	2	2	0	2.1%
80.2%	2	2	0	3.7%
81.5%	2	2	0	3.0%
82.7%	2	2	0	4.3%
84.0%	2	2	0	4.4%
85.2%	2	2	0	5.6%
86.4%	2	2	0	4.0%
87.7%	2	2	0	4.8%
88.9%	2	2	0	7.3%
90.1%	2	2	0	9.6%
91.4%	2	2	0	9.4%
92.6%	2	2	0	12.8%
93.8%	2	2	0	11.7%
95.1%	2	2	0	9.2%
96.3%	2	2	0	4.7%
97.5%	2	2	0	3.3%
98.8%	2	2	0	3.2%
100.0%	2	2	0	6.6%

Table SW-54-9a
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
Long-term												
Full Simulation Period[1]												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative D	29	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]	0.0%	0.0%	-0.1%	-0.7%	-0.6%	-1.4%	-0.4%	-0.2%	-0.1%	0.3%	-0.2%	-0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative D	30	31	31	35	35	34	32	31	30	30	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	-0.4%	-0.1%	-0.6%	-0.5%	-0.8%	-0.2%	-0.1%	0.2%	0.4%	-0.4%	-0.2%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative D	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.0%	0.2%	-0.3%	-1.4%	-0.9%	-1.6%	-0.8%	-0.3%	-0.2%	0.6%	-0.2%	-0.3%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative D	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	0.4%	0.4%	0.0%	-0.9%	-0.6%	-2.1%	-0.6%	-0.2%	-0.4%	0.7%	-0.2%	0.1%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative D	29	30	31	30	30	30	29	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.7%	0.2%	0.1%	-0.2%	-0.6%	-2.1%	-0.4%	0.2%	-0.3%	0.1%	-0.1%	-0.1%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative D	29	29	29	30	30	29	29	29	30	30	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.5%	0.0%	-0.5%	-0.3%	-0.7%	-0.9%	-0.4%	-0.6%	-0.2%	-0.1%	0.4%	0.1%

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

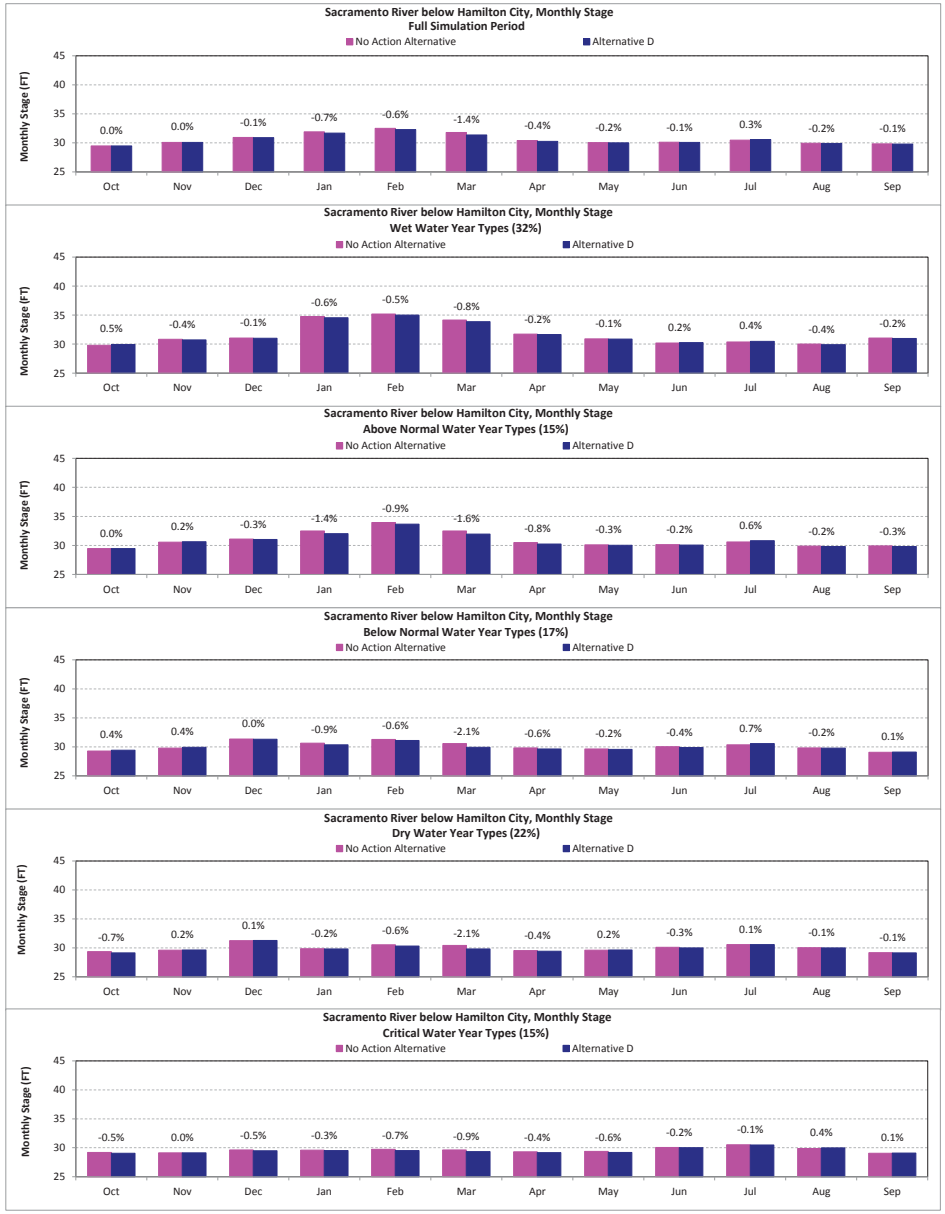

Figure SW-54-9b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

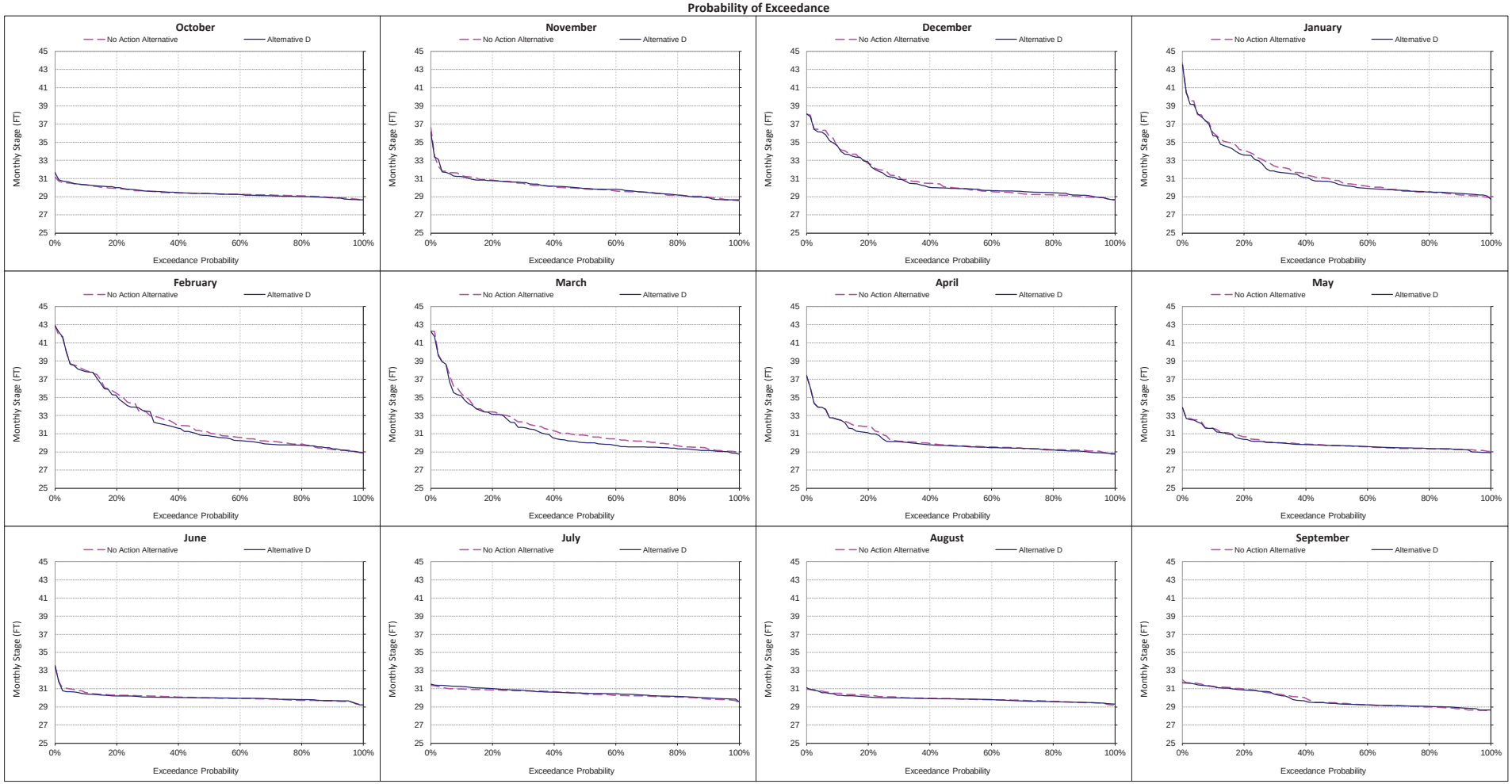

Table SW-54-9b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

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

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	36	-1	-1.4%
1.2%	33	33	0	-0.2%
2.5%	32	33	1	2.3%
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	-1.1%
8.6%	32	31	0	-1.2%
9.9%	31	31	0	-0.4%
11.1%	31	31	0	-0.2%
12.3%	31	31	0	-0.6%
13.6%	31	31	0	-0.7%
14.8%	31	31	0	-0.7%
16.0%	31	31	0	-0.2%
17.3%	31	31	0	-0.2%
18.5%	31	31	0	-0.2%
19.8%	31	31	0	-0.2%
21.0%	31	31	0	0.0%
22.2%	31	31	0	0.0%
23.5%	31	31	0	0.0%
24.7%	31	31	0	-0.1%
25.9%	31	31	0	-0.2%
27.2%	31	31	0	0.1%
28.4%	31	31	0	0.3%
29.6%	31	31	0	0.2%
30.9%	30	31	0	0.6%
32.1%	30	30	0	0.4%
33.3%	30	30	0	0.5%
34.6%	30	30	0	0.5%
35.8%	30	30	0	0.1%
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	0.4%
42.0%	30	30	0	0.4%
43.2%	30	30	0	0.4%
44.4%	30	30	0	0.4%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.3%
48.1%	30	30	0	0.1%
49.4%	30	30	0	0.2%
50.6%	30	30	0	0.2%
51.9%	30	30	0	0.2%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.1%
55.6%	30	30	0	0.2%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.5%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.7%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.4%
65.4%	30	30	0	0.3%
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	-0.2%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.1%
76.5%	29	29	0	0.4%
77.8%	29	29	0	0.4%
79.0%	29	29	0	0.3%
80.2%	29	29	0	0.0%
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	-0.3%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.4%
90.1%	29	29	0	-0.2%
91.4%	29	29	0	-0.4%
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 D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.4%
2.5%	36	36	0	-0.1%
3.7%	36	36	0	-0.7%
4.9%	36	36	0	-0.6%
6.2%	36	36	0	-1.4%
7.4%	36	35	0	-1.2%
8.6%	35	35	-1	-1.5%
9.9%	35	35	0	0.3%
11.1%	34	34	0	-0.5%
12.3%	34	34	0	-1.1%
13.6%	34	34	0	-0.4%
14.8%	34	33	0	-0.7%
16.0%	34	33	0	-1.0%
17.3%	33	33	0	0.4%
18.5%	33	33	0	-0.4%
19.8%	33	33	0	0.6%
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	-1.0%
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	-1.0%
38.3%	31	30	0	-1.1%
39.5%	30	30	0	-1.4%
40.7%	30	30	0	-1.5%
42.0%	30	30	0	-1.4%
43.2%	30	30	0	-1.4%
44.4%	30	30	0	-0.5%
45.7%	30	30	0	-0.4%
46.9%	30	30	0	-0.4%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.3%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.5%
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	0.9%
71.6%	29	30	0	0.9%
72.8%	29	30	0	0.9%
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	0.8%
79.0%	29	29	0	0.9%
80.2%	29	29	0	0.9%
81.5%	29	29	0	0.8%
82.7%	29	29	0	0.8%
84.0%	29	29	0	0.8%
85.2%	29	29	0	0.3%
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	0.6%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.2%
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	0.0%
100.0%	29	29	0	0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.5%
1.2%	40	40	0	0.0%
2.5%	40	39	0	-0.9%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	0.2%
6.2%	38	38	0	-0.6%
7.4%	37	37	0	0.1%
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	-1	-1.6%
13.6%	35	35	0	-1.3%
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	-1.4%
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	-0.9%
25.9%	33	33	0	-1.5%
27.2%	33	32	-1	-2.3%
28.4%	33	32	-1	-2.4%
29.6%	32	32	-1	-1.8%
30.9%	32	32	-1	-1.7%
32.1%	32	32	-1	-1.8%
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	0	-1.3%
39.5%	32	31	0	-1.3%
40.7%	31	31	0	-0.9%
42.0%	31	31	0	-1.4%
43.2%	31	31	0	-1.3%
44.4%	31	31	0	-1.3%
45.7%	31	31	0	-1.2%
46.9%	31	31	0	-1.1%
48.1%	31	31	0	-0.9%
49.4%	31	31	0	-0.9%
50.6%	31	30	0	-1.3%
51.9%	31	30	0	-0.8%
53.1%	30	30	0	-0.8%
54.3%	30	30	0	-0.8%
55.6%	30	30	0	-0.9%
56.8%	30	30	0	-1.1%
58.0%	30	30	0	-0.9%
59.3%	30	30	0	-0.9%
60.5%	30	30	0	-0.7%
61.7%	30	30	0	-0.6%
63.0%	30	30	0	-0.7%
64.2%	30	30	0	-0.9%
65.4%	30	30	0	-0.6%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.2%
70.4%	30	30	0	0.0%
71.6%	30	30	0	0.3%
72.8%	30	30	0	0.3%
74.1%	30	30	0	0.1%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.2%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	29	29	0	0.1%
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	0.3%
88.9%	29	29	0	0.6%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.5%
92.6%	29	29	0	0.5%
93.8%	29	29	0	0.4%
95.1%	29	29	0	0.5%
96.3%	29	29	0	0.4%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.4%
100.0%	29	29	0	-0.8%

Table SW-54-9b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	-0.1%
1.2%	42	42	0	0.9%
2.5%	42	42	0	0.0%
3.7%	40	40	0	0.0%
4.9%	39	39	0	-0.1%
6.2%	39	39	0	-0.2%
7.4%	38	38	0	-0.8%
8.6%	38	38	0	-0.5%
9.9%	38	38	0	-0.4%
11.1%	38	38	0	-0.1%
12.3%	38	38	0	0.4%
13.6%	38	37	0	-1.1%
14.8%	37	37	0	-1.2%
16.0%	36	36	0	-0.4%
17.3%	36	36	0	-0.1%
18.5%	36	35	0	-1.3%
19.8%	35	35	0	-0.7%
21.0%	35	35	0	-1.4%
22.2%	35	34	0	-1.4%
23.5%	34	34	0	-1.1%
24.7%	34	34	0	-1.2%
25.9%	34	34	0	-1.2%
27.2%	34	34	0	1.0%
28.4%	33	34	0	0.3%
29.6%	33	33	0	0.3%
30.9%	33	33	0	1.4%
32.1%	33	32	-1	-1.9%
33.3%	33	32	-1	-2.1%
34.6%	33	32	-1	-2.0%
35.8%	32	32	-1	-1.6%
37.0%	32	32	-1	-1.8%
38.3%	32	32	-1	-1.6%
39.5%	32	32	0	-1.0%
40.7%	32	32	0	-1.1%
42.0%	32	31	-1	-1.9%
43.2%	32	31	-1	-1.9%
44.4%	32	31	-1	-2.0%
45.7%	31	31	0	-1.1%
46.9%	31	31	0	-1.5%
48.1%	31	31	0	-1.4%
49.4%	31	31	0	-1.4%
50.6%	31	31	0	-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	31	0	-0.7%
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	-1.2%
72.8%	30	30	0	-1.0%
74.1%	30	30	0	-0.7%
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	-0.4%
80.2%	30	30	0	-0.4%
81.5%	30	30	0	-0.2%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	0.3%
85.2%	29	30	0	0.4%
86.4%	29	30	0	0.4%
87.7%	29	29	0	0.5%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	-0.2%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	-0.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-0.4%
3.7%	39	39	0	0.0%
4.9%	39	39	0	0.0%
6.2%	37	37	-1	-2.0%
7.4%	36	36	-1	-1.9%
8.6%	36	35	-1	-2.0%
9.9%	35	35	0	-0.7%
11.1%	35	35	0	-1.1%
12.3%	35	34	0	-1.4%
13.6%	34	34	0	-0.3%
14.8%	34	34	0	0.0%
16.0%	34	34	0	-0.5%
17.3%	33	33	0	-0.1%
18.5%	33	33	0	-0.2%
19.8%	33	33	0	-0.8%
21.0%	33	33	0	-0.7%
22.2%	33	33	0	0.0%
23.5%	33	33	0	-0.2%
24.7%	33	33	0	-1.1%
25.9%	33	32	-1	-1.8%
27.2%	33	32	0	-1.0%
28.4%	32	32	-1	-1.8%
29.6%	32	32	-1	-1.8%
30.9%	32	32	-1	-1.9%
32.1%	32	32	0	-1.5%
33.3%	32	31	0	-1.4%
34.6%	32	31	-1	-1.7%
35.8%	32	31	-1	-2.2%
37.0%	32	31	-1	-1.8%
38.3%	31	31	-1	-1.7%
39.5%	31	31	-1	-2.6%
40.7%	31	30	-1	-2.6%
42.0%	31	30	-1	-2.3%
43.2%	31	30	-1	-2.4%
44.4%	31	30	-1	-2.7%
45.7%	31	30	-1	-2.4%
46.9%	31	30	-1	-2.4%
48.1%	31	30	-1	-2.7%
49.4%	31	30	-1	-2.7%
50.6%	31	30	-1	-2.6%
51.9%	31	30	-1	-2.2%
53.1%	31	30	-1	-2.1%
54.3%	31	30	-1	-2.4%
55.6%	31	30	-1	-2.2%
56.8%	30	30	-1	-2.1%
58.0%	30	30	-1	-2.0%
59.3%	30	30	-1	-2.3%
60.5%	30	30	-1	-2.4%
61.7%	30	30	-1	-2.4%
63.0%	30	30	-1	-2.4%
64.2%	30	30	-1	-2.2%
65.4%	30	30	-1	-2.2%
66.7%	30	30	-1	-2.2%
67.9%	30	30	-1	-2.2%
69.1%	30	30	-1	-2.1%
70.4%	30	30	-1	-2.0%
71.6%	30	30	-1	-1.7%
72.8%	30	30	-1	-1.7%
74.1%	30	29	0	-1.5%
75.3%	30	29	0	-1.6%
76.5%	30	29	0	-1.4%
77.8%	30	29	0	-1.5%
79.0%	30	29	0	-1.1%
80.2%	30	29	0	-1.1%
81.5%	30	29	0	-0.9%
82.7%	30	29	0	-0.8%
84.0%	30	29	0	-0.8%
85.2%	30	29	0	-1.0%
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	-0.5%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	37	0	0.1%
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	-1	-1.9%
14.8%	32	32	0	-1.4%
16.0%	32	31	-1	-1.8%
17.3%	32	31	-1	-2.0%
18.5%	32	31	-1	-2.0%
19.8%	32	31	-1	-2.1%
21.0%	32	31	-1	-2.4%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-1.2%
24.7%	31	30	-1	-1.6%
25.9%	31	30	-1	-1.9%
27.2%	30	30	0	-0.5%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.2%
32.1%	30	30	0	-0.3%
33.3%	30	30	0	-0.3%
34.6%	30	30	0	-0.5%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.5%
38.3%	30	30	0	-0.5%
39.5%	30	30	0	-0.6%
40.7%	30	30	0	-0.3%
42.0%	30	30	0	-0.4%
43.2%	30	30	0	-0.3%
44.4%	30	30	0	-0.2%
45.7%	30	30	0	-0.2%
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	-0.1%
51.9%	30	30	0	-0.2%
53.1%	30	30	0	-0.2%
54.3%	30	30	0	-0.2%
55.6%	30	30	0	-0.3%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.1%
59.3%	30	29	0	-0.3%
60.5%	30	29	0	-0.3%
61.7%	30	29	0	-0.3%
63.0%	29	29	0	-0.2%
64.2%	29	29	0	-0.2%
65.4%	29	29	0	-0.2%
66.7%	29	29	0	-0.1%
67.9%	29	29	0	-0.1%
69.1%	29	29	0	-0.1%
70.4%	29	29	0	0.0%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.0%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	-0.2%
77.8%	29	29	0	-0.2%
79.0%	29	29	0	-0.1%
80.2%	29	29	0	-0.1%
81.5%	29	29	0	-0.3%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.3%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.4%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.3%
92.6%	29	29	0	-0.5%
93.8%	29	29	0	-0.6%
95.1%	29	29	0	-0.6%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	-0.2%
98.8%	29	29	0	-0.2%
100.0%	29	29	0	-0.2%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.0%
1.2%	33	33	0	-0.2%
2.5%	33	33	0	-0.5%
3.7%	33	33	0	-0.1%
4.9%	33	32	0	-0.7%
6.2%	32	32	0	-0.6%
7.4%	32	32	0	-0.2%
8.6%	32	32	0	-0.2%
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	30	0	-1.1%
19.8%	31	30	0	-0.9%
21.0%	31	30	0	-1.0%
22.2%	30	30	0	-0.7%
23.5%	30	30	0	-0.7%
24.7%	30	30	0	-0.7%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.1%
28.4%	30	30	0	-0.1%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	0.0%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.2%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.2%
38.3%	30	30	0	-0.2%
39.5%	30	30	0	-0.2%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.2%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	0.0%
48.1%	30	30	0	0.0%
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	0.0%
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	0.1%
59.3%	30	30	0	0.1%
60.5%	30	30	0	0.1%
61.7%	30	30	0	0.1%
63.0%	29	30	0	0.1%
64.2%	29	30	0	0.1%
65.4%	29	29	0	0.2%
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	0.3%
71.6%	29	29	0	0.2%
72.8%	29	29	0	0.2%
74.1%	29	29	0	0.2%
75.3%	29	29	0	0.2%
76.5%	29	29	0	0.1%
77.8%	29	29	0	0.1%
79.0%	29	29	0	0.0%
80.2%	29	29	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.1%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.1%
88.9%	29	29	0	0.0%
90.1%	29	29	0	0.0%
91.4%	29	29	0	-0.1%
92.6%	29	29	0	-0.2%
93.8%	29	29	0	-0.8%
95.1%	29	29	0	-0.7%
96.3%	29	29	0	-0.7%
97.5%	29	29	0	-0.8%
98.8%	29	29	0	-0.5%
100.0%	29	29	0	-0.4%

Table SW-54-9b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June

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

July

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

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.6%
1.2%	31	31	0	0.0%
2.5%	31	31	0	-0.3%
3.7%	31	31	0	0.0%
4.9%	31	31	0	-0.6%
6.2%	31	31	0	-0.3%
7.4%	31	30	0	-0.5%
8.6%	31	30	0	-0.2%
9.9%	30	30	0	-0.7%
11.1%	30	30	0	-0.7%
12.3%	30	30	0	-0.5%
13.6%	30	30	0	-0.4%
14.8%	30	30	0	-0.4%
16.0%	30	30	0	-0.5%
17.3%	30	30	0	-0.5%
18.5%	30	30	0	-0.5%
19.8%	30	30	0	-0.6%
21.0%	30	30	0	-0.7%
22.2%	30	30	0	-0.7%
23.5%	30	30	0	-0.4%
24.7%	30	30	0	-0.4%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.4%
28.4%	30	30	0	-0.4%
29.6%	30	30	0	-0.3%
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	-0.1%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	-0.1%
38.3%	30	30	0	-0.1%
39.5%	30	30	0	-0.1%
40.7%	30	30	0	-0.1%
42.0%	30	30	0	-0.1%
43.2%	30	30	0	-0.1%
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	0.0%
49.4%	30	30	0	0.0%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.1%
55.6%	30	30	0	0.2%
56.8%	30	30	0	0.0%
58.0%	30	30	0	0.0%
59.3%	30	30	0	0.0%
60.5%	30	30	0	0.0%
61.7%	30	30	0	-0.1%
63.0%	30	30	0	-0.1%
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	-0.2%
69.1%	30	30	0	-0.3%
70.4%	30	30	0	-0.2%
71.6%	30	30	0	-0.2%
72.8%	30	30	0	-0.2%
74.1%	30	30	0	-0.3%
75.3%	30	30	0	-0.2%
76.5%	30	30	0	-0.2%
77.8%	30	30	0	-0.2%
79.0%	30	30	0	-0.1%
80.2%	30	30	0	-0.1%
81.5%	30	30	0	-0.1%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	-0.1%
85.2%	30	30	0	-0.1%
86.4%	30	30	0	-0.1%
87.7%	30	30	0	0.0%
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	0.1%
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	0.3%
100.0%	29	29	0	0.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-1.0%
1.2%	32	32	0	-0.1%
2.5%	32	32	0	-0.1%
3.7%	32	32	0	-0.3%
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	0.0%
11.1%	31	31	0	-0.2%
12.3%	31	31	0	-0.3%
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	-0.3%
18.5%	31	31	0	-0.4%
19.8%	31	31	0	-0.4%
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	0.0%
30.9%	30	30	0	-0.3%
32.1%	30	30	0	-0.4%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.6%
35.8%	30	30	0	-1.1%
37.0%	30	30	0	-1.3%
38.3%	30	30	0	-1.3%
39.5%	30	30	0	-1.1%
40.7%	30	30	0	-1.0%
42.0%	30	30	0	-0.5%
43.2%	30	29	0	-0.1%
44.4%	29	29	0	-0.1%
45.7%	29	29	0	-0.1%
46.9%	29	29	0	-0.3%
48.1%	29	29	0	-0.3%
49.4%	29	29	0	-0.2%
50.6%	29	29	0	-0.1%
51.9%	29	29	0	-0.2%
53.1%	29	29	0	-0.3%
54.3%	29	29	0	-0.1%
55.6%	29	29	0	0.0%
56.8%	29	29	0	-0.1%
58.0%	29	29	0	0.0%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.0%
61.7%	29	29	0	0.0%
63.0%	29	29	0	0.0%
64.2%	29	29	0	0.0%
65.4%	29	29	0	0.0%
66.7%	29	29	0	0.0%
67.9%	29	29	0	0.0%
69.1%	29	29	0	-0.1%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	0.0%
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	0.2%
77.8%	29	29	0	0.3%
79.0%	29	29	0	0.2%
80.2%	29	29	0	0.2%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.3%
85.2%	29	29	0	0.3%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.4%
90.1%	29	29	0	0.4%
91.4%	29	29	0	0.3%
92.6%	29	29	0	0.6%
93.8%	29	29	0	0.6%
95.1%	29	29	0	0.6%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.1%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

Table SW-56-9a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	29	32	34	37	38	37	32	30	29	30	29	31
Alternative D	30	32	34	36	37	36	31	30	29	31	29	32
Difference	1	1	0	-1	-1	-1	0	0	1	1	1	1
Percent Difference[3]	2.8%	2.3%	-0.4%	-2.0%	-1.8%	-3.8%	-0.7%	-0.3%	2.2%	4.8%	2.2%	2.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative D	32	35	34	41	42	40	36	33	30	31	29	36
Difference	1	1	0	0	0	-1	0	0	1	1	0	1
Percent Difference	4.8%	1.7%	-0.4%	-1.1%	-0.9%	-1.4%	-0.4%	-0.2%	2.3%	4.0%	-0.1%	2.5%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative D	30	34	35	38	41	39	33	30	29	32	29	32
Difference	1	2	0	-1	-1	-1	-1	0	0	2	1	1
Percent Difference	3.4%	5.0%	-0.8%	-2.0%	-2.4%	-3.6%	-1.7%	-1.2%	0.0%	6.4%	2.2%	2.3%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative D	30	32	36	34	37	33	30	28	29	31	29	29
Difference	1	1	0	-2	-1	-3	0	0	0	2	1	1
Percent Difference	3.3%	2.2%	0.3%	-4.8%	-1.9%	-7.2%	-1.5%	-0.7%	0.9%	6.6%	2.7%	3.6%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative D	29	31	35	32	34	32	28	28	29	32	30	29
Difference	0	1	0	0	-1	-2	0	0	1	2	1	1
Percent Difference	0.5%	2.5%	0.1%	-1.3%	-2.4%	-6.0%	-0.9%	0.7%	3.2%	5.2%	4.2%	3.5%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative D	28	28	30	31	31	31	27	26	29	31	30	28
Difference	0	0	-1	-1	-1	-1	0	0	1	1	1	1
Percent Difference	0.2%	0.8%	-2.0%	-1.7%	-2.8%	-2.3%	0.9%	-0.3%	4.0%	2.0%	3.3%	2.3%

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

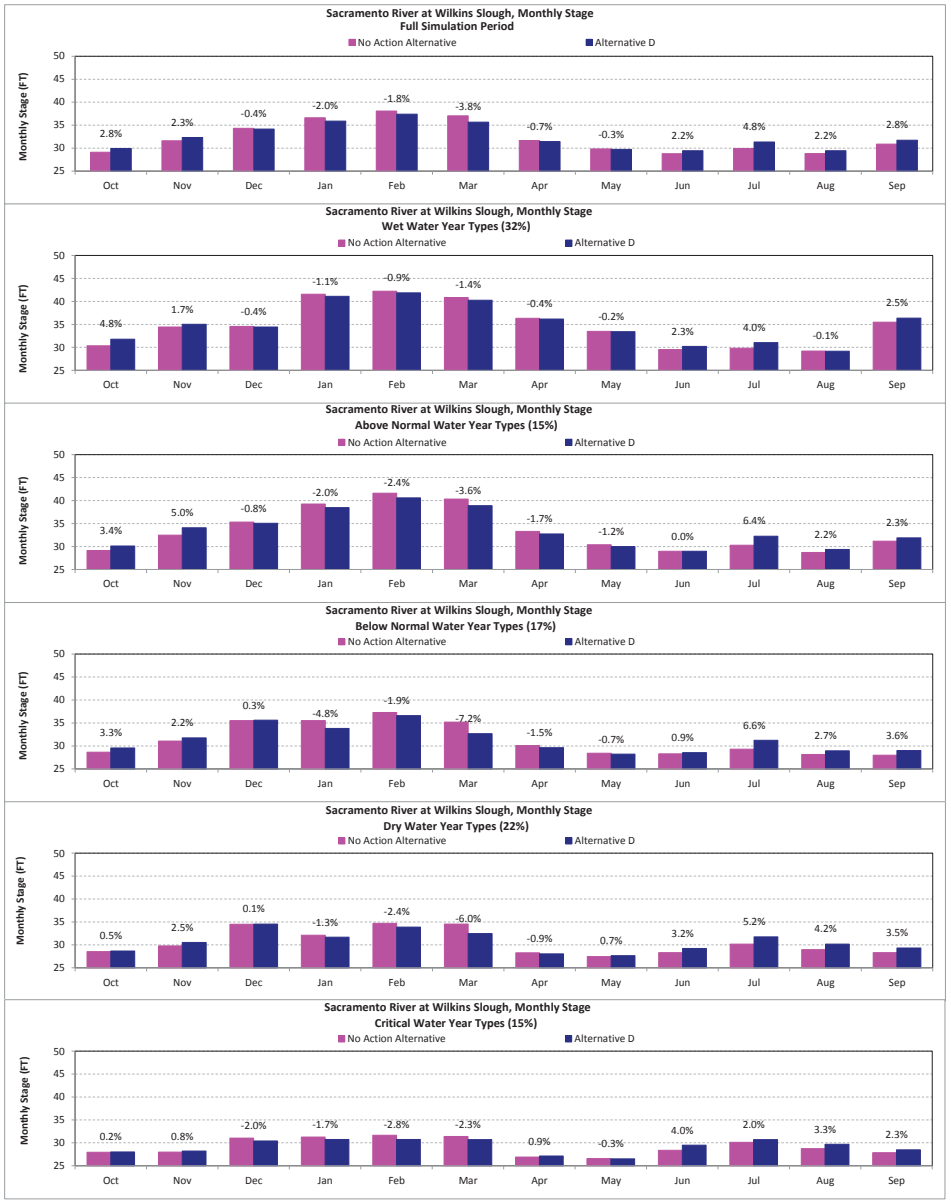

Figure SW-56-9b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

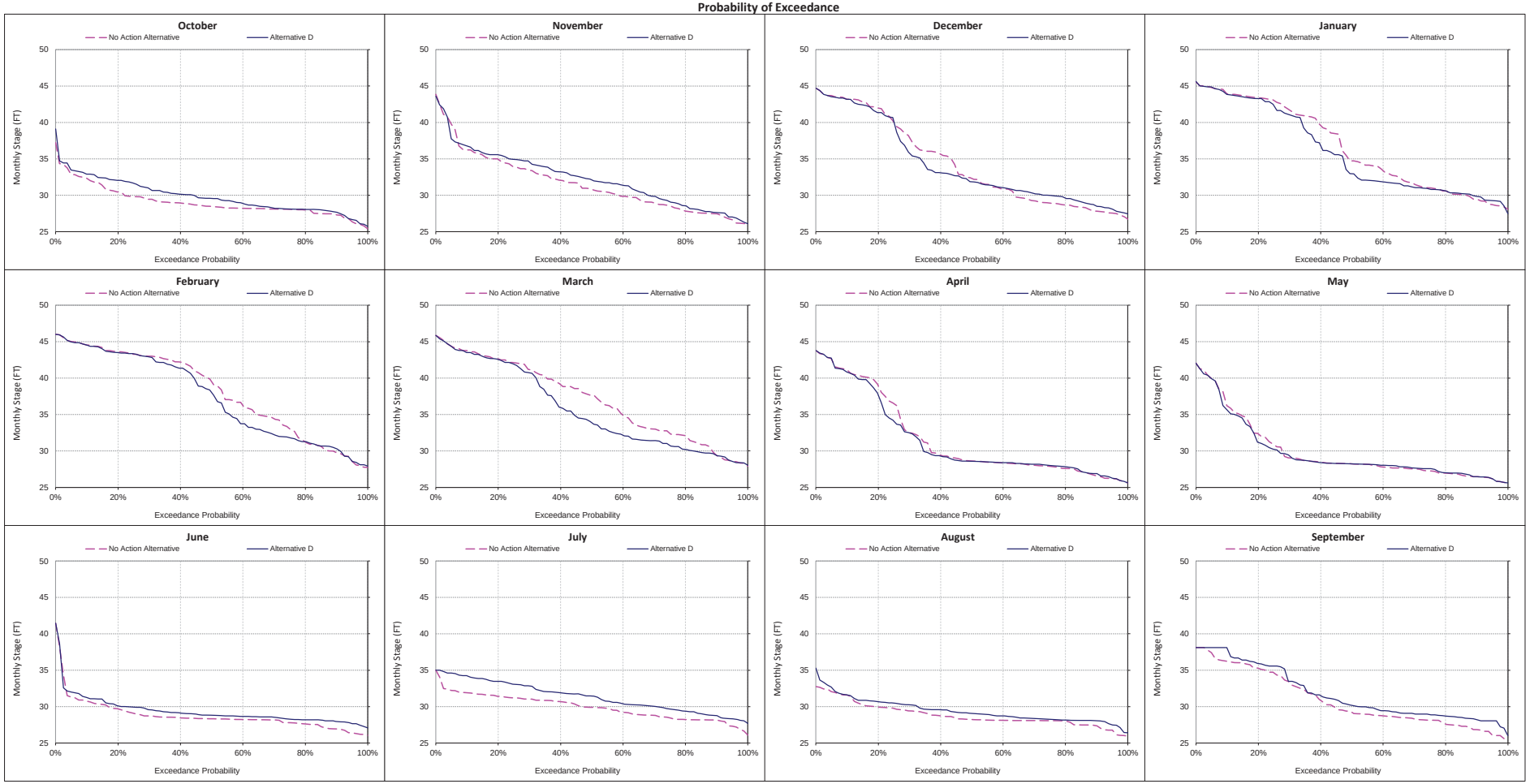

Table SW-56-9b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	39	2	5.0%
1.2%	34	35	0	1.1%
2.5%	34	34	0	0.6%
3.7%	34	34	1	2.0%
4.9%	33	33	1	1.8%
6.2%	33	33	1	1.7%
7.4%	33	33	1	2.1%
8.6%	32	33	1	2.1%
9.9%	32	33	1	1.8%
11.1%	32	33	1	2.8%
12.3%	32	33	1	3.2%
13.6%	32	32	1	2.1%
14.8%	31	32	1	3.2%
16.0%	31	32	2	5.1%
17.3%	31	32	1	4.7%
18.5%	31	32	2	5.0%
19.8%	30	32	2	5.2%
21.0%	30	32	2	5.2%
22.2%	30	32	2	6.7%
23.5%	30	32	2	6.6%
24.7%	30	32	2	6.3%
25.9%	30	32	2	5.7%
27.2%	30	31	1	4.8%
28.4%	30	31	1	5.1%
29.6%	29	31	2	5.3%
30.9%	29	31	1	4.1%
32.1%	29	31	1	4.9%
33.3%	29	31	2	5.3%
34.6%	29	30	1	4.8%
35.8%	29	30	1	4.6%
37.0%	29	30	1	4.4%
38.3%	29	30	1	4.3%
39.5%	29	30	1	4.1%
40.7%	29	30	1	4.2%
42.0%	29	30	1	4.3%
43.2%	29	30	1	4.5%
44.4%	29	30	1	4.6%
45.7%	29	30	1	3.5%
46.9%	29	30	1	3.6%
48.1%	28	30	1	3.9%
49.4%	28	30	1	3.8%
50.6%	28	30	1	4.0%
51.9%	28	30	1	4.1%
53.1%	28	29	1	3.5%
54.3%	28	29	1	3.5%
55.6%	28	29	1	3.6%
56.8%	28	29	1	3.2%
58.0%	28	29	1	2.8%
59.3%	28	29	1	2.6%
60.5%	28	29	1	2.1%
61.7%	28	29	0	1.7%
63.0%	28	29	0	1.7%
64.2%	28	29	0	1.4%
65.4%	28	28	0	1.1%
66.7%	28	28	0	1.0%
67.9%	28	28	0	1.0%
69.1%	28	28	0	0.7%
70.4%	28	28	0	0.3%
71.6%	28	28	0	0.3%
72.8%	28	28	0	0.2%
74.1%	28	28	0	0.2%
75.3%	28	28	0	0.1%
76.5%	28	28	0	0.1%
77.8%	28	28	0	0.2%
79.0%	28	28	0	0.2%
80.2%	28	28	0	0.3%
81.5%	28	28	0	0.3%
82.7%	28	28	1	1.9%
84.0%	27	28	1	2.0%
85.2%	27	28	1	1.8%
86.4%	27	28	0	1.6%
87.7%	27	28	0	1.5%
88.9%	27	28	0	1.1%
90.1%	27	28	0	1.3%
91.4%	27	27	0	0.8%
92.6%	27	27	0	1.4%
93.8%	27	27	0	0.0%
95.1%	26	27	0	1.2%
96.3%	26	27	0	1.8%
97.5%	26	26	0	0.3%
98.8%	26	26	0	0.9%
100.0%	25	26	0	1.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.6%
1.2%	42	42	0	-0.2%
2.5%	41	42	1	1.9%
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	1.0%
8.6%	36	37	1	1.8%
9.9%	36	37	1	1.5%
11.1%	36	37	0	1.0%
12.3%	36	36	0	0.8%
13.6%	36	36	0	1.0%
14.8%	36	36	0	0.8%
16.0%	35	36	0	1.3%
17.3%	35	36	1	1.6%
18.5%	35	36	1	1.6%
19.8%	35	36	1	1.6%
21.0%	35	35	1	2.5%
22.2%	34	35	1	2.5%
23.5%	34	35	1	2.0%
24.7%	34	35	1	2.9%
25.9%	34	35	1	3.1%
27.2%	34	35	1	3.5%
28.4%	34	35	1	3.2%
29.6%	33	35	1	3.8%
30.9%	33	34	1	2.6%
32.1%	33	34	1	3.4%
33.3%	33	34	1	3.7%
34.6%	33	34	1	3.6%
35.8%	33	34	1	3.6%
37.0%	32	34	1	3.9%
38.3%	32	33	1	3.2%
39.5%	32	33	1	3.6%
40.7%	32	33	1	3.6%
42.0%	32	33	1	4.2%
43.2%	32	33	1	3.3%
44.4%	32	33	1	3.1%
45.7%	32	33	1	2.8%
46.9%	31	32	1	4.8%
48.1%	31	32	1	4.3%
49.4%	31	32	1	4.3%
50.6%	31	32	1	4.1%
51.9%	31	32	1	4.3%
53.1%	31	32	1	4.2%
54.3%	30	32	1	4.1%
55.6%	30	32	1	4.4%
56.8%	30	32	1	4.5%
58.0%	30	32	1	4.8%
59.3%	30	31	2	5.2%
60.5%	30	31	1	4.9%
61.7%	30	31	2	5.1%
63.0%	30	31	1	3.9%
64.2%	30	31	1	3.2%
65.4%	29	30	1	3.8%
66.7%	29	30	1	4.3%
67.9%	29	30	1	3.2%
69.1%	29	30	1	2.8%
70.4%	29	30	1	3.2%
71.6%	29	30	1	2.8%
72.8%	29	29	1	2.3%
74.1%	29	29	1	2.3%
75.3%	29	29	1	1.9%
76.5%	28	29	1	2.5%
77.8%	28	29	1	2.4%
79.0%	28	29	1	2.3%
80.2%	28	29	1	2.7%
81.5%	28	28	0	1.4%
82.7%	28	28	0	1.7%
84.0%	28	28	0	1.7%
85.2%	28	28	0	1.3%
86.4%	28	28	0	0.9%
87.7%	28	28	0	1.0%
88.9%	27	28	0	0.7%
90.1%	27	28	0	0.6%
91.4%	27	28	0	1.2%
92.6%	27	28	1	2.1%
93.8%	27	27	0	0.9%
95.1%	27	27	0	1.4%
96.3%	26	27	1	2.7%
97.5%	26	27	0	1.7%
98.8%	26	26	0	0.8%
100.0%	26	26	0	0.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.0%
1.2%	44	44	0	0.0%
2.5%	44	44	0	0.0%
3.7%	44	44	0	0.0%
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	-0.2%
9.9%	43	43	0	0.0%
11.1%	43	43	0	0.0%
12.3%	43	43	-1	-1.2%
13.6%	43	42	-1	-1.4%
14.8%	43	42	0	-1.0%
16.0%	43	42	0	-1.0%
17.3%	42	42	0	0.0%
18.5%	42	42	-1	-1.2%
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	0	1.1%
25.9%	39	39	-1	-2.0%
27.2%	39	37	-2	-4.3%
28.4%	39	37	-2	-4.4%
29.6%	38	36	-2	-5.9%
30.9%	37	35	-2	-5.2%
32.1%	37	35	-1	-3.8%
33.3%	36	35	-1	-3.1%
34.6%	36	34	-2	-4.7%
35.8%	36	34	-2	-6.9%
37.0%	36	33	-3	-7.2%
38.3%	36	33	-3	-7.9%
39.5%	36	33	-3	-7.4%
40.7%	35	33	-2	-6.8%
42.0%	35	33	-2	-6.7%
43.2%	35	33	-2	-6.4%
44.4%	34	33	-2	-4.6%
45.7%	33	33	0	-0.7%
46.9%	33	32	0	-1.4%
48.1%	32	32	0	-0.5%
49.4%	32	32	-1	-1.6%
50.6%	32	32	0	-1.1%
51.9%	32	32	0	-1.3%
53.1%	32	32	0	-0.3%
54.3%	32	31	0	-0.2%
55.6%	31	31	0	-0.3%
56.8%	31	31	0	0.6%
58.0%	31	31	0	0.2%
59.3%	31	31	0	0.6%
60.5%	31	31	0	0.4%
61.7%	31	31	0	0.2%
63.0%	31	31	0	0.8%
64.2%	30	31	1	3.1%
65.4%	30	31	1	3.4%
66.7%	30	31	1	3.2%
67.9%	29	30	1	3.5%
69.1%	29	30	1	3.6%
70.4%	29	30	1	3.3%
71.6%	29	30	1	3.7%
72.8%	29	30	1	3.5%
74.1%	29	30	1	3.5%
75.3%	29	30	1	3.7%
76.5%	29	30	1	3.4%
77.8%	29	30	1	3.7%
79.0%	29	30	1	3.8%
80.2%	29	30	1	3.1%
81.5%	29	30	1	3.1%
82.7%	28	29	1	3.3%
84.0%	28	29	1	3.0%
85.2%	28	29	1	2.5%
86.4%	28	29	1	2.2%
87.7%	28	29	1	2.8%
88.9%	28	29	1	3.2%
90.1%	28	28	1	2.4%
91.4%	28	28	1	2.4%
92.6%	28	28	1	2.2%
93.8%	28	28	1	2.4%
95.1%	28	28	1	2.0%
96.3%	27	28	0	1.1%
97.5%	27	28	0	1.5%
98.8%	27	28	1	1.9%
100.0%	27	27	1	2.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
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	0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	-0.2%
8.6%	45	44	0	-0.6%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.2%
12.3%	44	44	0	-0.4%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.4%
16.0%	44	43	0	-0.4%
17.3%	44	43	0	-0.4%
18.5%	43	43	0	-0.4%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	-1.0%
23.5%	43	43	0	-0.8%
24.7%	43	42	-1	-1.4%
25.9%	43	42	-1	-2.6%
27.2%	43	42	-1	-2.2%
28.4%	42	41	-1	-2.1%
29.6%	42	41	-1	-1.7%
30.9%	41	41	-1	-1.3%
32.1%	41	41	0	-0.9%
33.3%	41	41	0	-0.8%
34.6%	41	39	-2	-4.1%
35.8%	41	39	-2	-5.6%
37.0%	41	38	-2	-6.0%
38.3%	41	37	-3	-8.0%
39.5%	40	37	-3	-6.5%
40.7%	39	36	-3	-8.0%
42.0%	39	36	-3	-7.6%
43.2%	39	36	-3	-6.8%
44.4%	38	36	-3	-7.5%
45.7%	38	36	-3	-7.4%
46.9%	36	35	-1	-2.1%
48.1%	35	34	-2	-5.4%
49.4%	35	33	-2	-5.0%
50.6%	35	33	-2	-5.2%
51.9%	35	32	-2	-6.5%
53.1%	34	32	-2	-6.8%
54.3%	34	32	-2	-6.1%
55.6%	34	32	-2	-6.2%
56.8%	34	32	-2	-6.0%
58.0%	34	32	-2	-6.2%
59.3%	34	32	-2	-5.3%
60.5%	33	32	-1	-4.1%
61.7%	33	32	-1	-3.8%
63.0%	33	32	-1	-3.1%
64.2%	33	32	-1	-3.0%
65.4%	32	32	-1	-2.5%
66.7%	32	31	-1	-2.2%
67.9%	32	31	-1	-1.7%
69.1%	32	31	-1	-1.8%
70.4%	31	31	0	-1.2%
71.6%	31	31	0	-0.7%
72.8%	31	31	0	-0.3%
74.1%	31	31	0	-0.3%
75.3%	31	31	0	-0.6%
76.5%	31	31	0	-0.4%
77.8%	31	31	0	-0.4%
79.0%	31	31	0	0.3%
80.2%	31	31	0	0.0%
81.5%	30	30	0	0.4%
82.7%	30	30	0	0.6%
84.0%	30	30	0	0.5%
85.2%	30	30	0	0.5%
86.4%	30	30	0	0.5%
87.7%	30	30	0	1.0%
88.9%	29	30	0	1.5%
90.1%	29	30	0	1.2%
91.4%	29	30	1	1.9%
92.6%	29	29	0	0.5%
93.8%	29	29	1	1.8%
95.1%	29	29	1	1.9%
96.3%	29	29	1	2.3%
97.5%	29	29	1	2.2%
98.8%	28	29	0	0.6%
100.0%	28	27	-1	-2.1%

Table SW-56-9b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	-0.2%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	44	0	-0.4%
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	-0.4%
18.5%	44	44	0	-0.4%
19.8%	44	44	0	-0.2%
21.0%	44	43	0	-0.4%
22.2%	44	43	0	-0.2%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	0.2%
25.9%	43	43	0	0.0%
27.2%	43	43	0	0.0%
28.4%	43	43	0	0.0%
29.6%	43	43	0	-0.2%
30.9%	43	43	0	-0.4%
32.1%	43	42	-1	-1.6%
33.3%	43	42	-1	-1.6%
34.6%	43	42	-1	-1.2%
35.8%	43	42	-1	-1.6%
37.0%	42	42	-1	-1.6%
38.3%	42	42	-1	-1.6%
39.5%	42	41	-1	-2.0%
40.7%	42	41	-1	-1.9%
42.0%	42	41	-1	-2.1%
43.2%	42	41	-1	-2.3%
44.4%	41	40	-1	-2.6%
45.7%	41	39	-2	-4.5%
46.9%	40	39	-2	-3.9%
48.1%	40	39	-2	-3.9%
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	-4.7%
54.3%	37	35	-2	-4.7%
55.6%	37	35	-2	-5.2%
56.8%	37	35	-2	-6.3%
58.0%	37	34	-2	-6.1%
59.3%	37	34	-3	-8.0%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-2	-6.8%
64.2%	35	33	-2	-5.8%
65.4%	35	33	-2	-5.6%
66.7%	35	33	-2	-6.1%
67.9%	35	33	-2	-6.2%
69.1%	35	32	-2	-6.4%
70.4%	34	32	-2	-6.3%
71.6%	34	32	-2	-6.6%
72.8%	34	32	-2	-4.8%
74.1%	33	32	-1	-4.3%
75.3%	33	32	-1	-3.5%
76.5%	33	32	-1	-3.1%
77.8%	32	31	0	-1.3%
79.0%	32	31	0	-0.8%
80.2%	31	31	0	0.4%
81.5%	31	31	0	0.4%
82.7%	31	31	0	0.2%
84.0%	31	31	0	-0.1%
85.2%	31	31	0	0.3%
86.4%	30	31	1	1.9%
87.7%	30	31	1	2.1%
88.9%	30	31	1	1.7%
90.1%	30	30	1	1.8%
91.4%	30	30	0	1.0%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.1%
95.1%	29	29	0	0.0%
96.3%	28	28	0	1.2%
97.5%	28	28	0	0.5%
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 D 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	-0.1%
3.7%	45	45	0	0.0%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	0.0%
9.9%	44	44	0	-0.6%
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	-0.4%
17.3%	43	43	0	-0.6%
18.5%	43	43	0	0.0%
19.8%	43	43	0	-0.2%
21.0%	42	42	0	-0.2%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	0.0%
24.7%	42	42	0	-0.4%
25.9%	42	42	0	-0.8%
27.2%	42	41	-1	-1.7%
28.4%	42	41	-1	-2.5%
29.6%	41	41	0	-1.1%
30.9%	41	41	0	-1.1%
32.1%	41	40	-1	-1.7%
33.3%	40	39	-2	-4.1%
34.6%	40	38	-2	-4.8%
35.8%	40	38	-2	-5.5%
37.0%	40	38	-2	-5.7%
38.3%	40	37	-3	-6.7%
39.5%	39	36	-3	-8.2%
40.7%	39	36	-3	-7.7%
42.0%	39	35	-3	-8.6%
43.2%	39	35	-3	-8.7%
44.4%	39	35	-4	-9.5%
45.7%	39	35	-4	-10.5%
46.9%	38	34	-4	-9.5%
48.1%	38	34	-4	-9.3%
49.4%	38	34	-4	-9.6%
50.6%	38	34	-4	-10.7%
51.9%	37	34	-4	-9.7%
53.1%	37	33	-4	-10.0%
54.3%	36	33	-3	-9.1%
55.6%	36	33	-4	-9.7%
56.8%	36	33	-3	-9.3%
58.0%	36	32	-3	-9.6%
59.3%	35	32	-3	-8.2%
60.5%	35	32	-3	-7.6%
61.7%	35	32	-2	-7.2%
63.0%	34	32	-2	-6.6%
64.2%	34	32	-2	-5.8%
65.4%	33	32	-2	-5.5%
66.7%	33	31	-2	-5.3%
67.9%	33	31	-2	-5.0%
69.1%	33	31	-2	-4.8%
70.4%	33	31	-2	-4.8%
71.6%	33	31	-1	-4.4%
72.8%	33	31	-2	-5.3%
74.1%	33	31	-2	-5.3%
75.3%	32	31	-2	-5.1%
76.5%	32	31	-2	-5.2%
77.8%	32	31	-2	-5.2%
79.0%	32	30	-2	-6.0%
80.2%	32	30	-2	-5.8%
81.5%	31	30	-1	-4.3%
82.7%	31	30	-1	-4.0%
84.0%	31	30	-1	-3.9%
85.2%	31	30	-1	-3.5%
86.4%	31	30	-1	-3.7%
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	1.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.1%
96.3%	29	28	0	-0.4%
97.5%	28	28	0	0.2%
98.8%	28	28	0	0.1%
100.0%	28	28	0	0.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.2%
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	-1	-1.3%
14.8%	40	40	0	-1.1%
16.0%	40	40	0	-0.9%
17.3%	40	39	-1	-1.9%
18.5%	40	39	-1	-2.8%
19.8%	39	38	-1	-3.1%
21.0%	38	37	-1	-3.8%
22.2%	37	35	-2	-6.6%
23.5%	37	35	-2	-6.4%
24.7%	37	34	-2	-6.4%
25.9%	36	34	-3	-7.1%
27.2%	34	34	-1	-2.3%
28.4%	33	33	0	-0.8%
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	-1.6%
34.6%	31	30	-1	-4.2%
35.8%	31	30	-1	-4.2%
37.0%	30	30	0	-0.9%
38.3%	30	29	0	-1.2%
39.5%	30	29	0	-0.6%
40.7%	29	29	0	-0.3%
42.0%	29	29	0	-0.4%
43.2%	29	29	0	-0.6%
44.4%	29	29	0	-1.0%
45.7%	29	29	0	-0.9%
46.9%	29	29	0	-0.5%
48.1%	29	29	0	-0.2%
49.4%	29	29	0	-0.2%
50.6%	29	29	0	-0.1%
51.9%	29	29	0	-0.1%
53.1%	29	29	0	0.0%
54.3%	28	29	0	0.2%
55.6%	28	28	0	0.1%
56.8%	28	28	0	0.1%
58.0%	28	28	0	0.1%
59.3%	28	28	0	0.1%
60.5%	28	28	0	0.3%
61.7%	28	28	0	0.3%
63.0%	28	28	0	0.4%
64.2%	28	28	0	0.1%
65.4%	28	28	0	0.1%
66.7%	28	28	0	0.0%
67.9%	28	28	0	0.4%
69.1%	28	28	0	0.3%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.7%
72.8%	28	28	0	0.5%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.4%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.7%
79.0%	28	28	0	0.9%
80.2%	28	28	0	0.9%
81.5%	28	28	0	0.6%
82.7%	28	28	0	0.4%
84.0%	27	28	0	1.1%
85.2%	27	27	0	0.0%
86.4%	27	27	0	0.0%
87.7%	27	27	0	0.2%
88.9%	27	27	0	0.6%
90.1%	27	27	0	1.2%
91.4%	26	27	0	0.4%
92.6%	26	27	0	1.2%
93.8%	26	26	0	0.9%
95.1%	26	26	0	0.3%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-1	-1.3%
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	-1	-1.6%
11.1%	36	35	-1	-2.1%
12.3%	35	35	0	-0.8%
13.6%	35	35	0	-0.8%
14.8%	35	35	0	-0.8%
16.0%	35	34	-1	-2.8%
17.3%	34	33	0	-0.9%
18.5%	32	32	0	0.0%
19.8%	32	31	-1	-3.7%
21.0%	32	31	-1	-3.0%
22.2%	32	31	-1	-3.5%
23.5%	31	30	-1	-2.6%
24.7%	31	30	-1	-2.2%
25.9%	31	30	0	-1.4%
27.2%	31	30	-1	-2.8%
28.4%	29	30	0	1.4%
29.6%	29	29	0	1.4%
30.9%	29	29	0	-0.1%
32.1%	29	29	0	-0.8%
33.3%	29	29	0	-0.5%
34.6%	29	29	0	0.0%
35.8%	29	29	0	0.1%
37.0%	29	29	0	0.0%
38.3%	29	28	0	-0.2%
39.5%	28	28	0	-0.3%
40.7%	28	28	0	-0.2%
42.0%	28	28	0	-0.1%
43.2%	28	28	0	0.0%
44.4%	28	28	0	0.0%
45.7%	28	28	0	0.0%
46.9%	28	28	0	0.0%
48.1%	28	28	0	0.0%
49.4%	28	28	0	0.0%
50.6%	28	28	0	0.0%
51.9%	28	28	0	0.0%
53.1%	28	28	0	0.0%
54.3%	28	28	0	0.0%
55.6%	28	28	0	0.0%
56.8%	28	28	0	0.5%
58.0%	28	28	0	0.5%
59.3%	28	28	0	0.8%
60.5%	28	28	0	1.0%
61.7%	28	28	0	1.0%
63.0%	28	28	0	1.1%
64.2%	28	28	0	1.1%
65.4%	28	28	0	0.6%
66.7%	28	28	0	0.6%
67.9%	28	28	0	0.8%
69.1%	28	28	0	0.4%
70.4%	28	28	0	0.4%
71.6%	28	28	0	0.4%
72.8%	27	28	0	0.9%
74.1%	27	28	0	1.1%
75.3%	27	28	0	1.1%
76.5%	27	27	0	1.0%
77.8%	27	27	0	0.8%
79.0%	27	27	0	0.2%
80.2%	27	27	0	0.1%
81.5%	27	27	0	0.2%
82.7%	27	27	0	0.4%
84.0%	27	27	0	0.5%
85.2%	27	27	0	0.9%
86.4%	27	27	0	1.0%
87.7%	27	27	0	0.6%
88.9%	26	26	0	0.0%
90.1%	26	26	0	-0.1%
91.4%	26	26	0	-0.1%
92.6%	26	26	0	0.1%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

Table SW-56-9b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	41	0	0.0%
1.2%	38	39	0	0.9%
2.5%	34	33	-2	-5.4%
3.7%	32	32	1	2.0%
4.9%	31	32	1	2.2%
6.2%	31	32	1	2.2%
7.4%	31	32	1	2.9%
8.6%	31	31	1	1.6%
9.9%	31	31	0	1.6%
11.1%	31	31	0	1.5%
12.3%	30	31	1	2.1%
13.6%	30	31	1	2.3%
14.8%	30	31	1	2.4%
16.0%	30	30	0	0.9%
17.3%	30	30	1	1.8%
18.5%	30	30	1	2.0%
19.8%	30	30	0	1.4%
21.0%	30	30	0	1.6%
22.2%	29	30	1	2.1%
23.5%	29	30	1	2.6%
24.7%	29	30	1	2.8%
25.9%	29	30	1	3.3%
27.2%	29	30	1	3.5%
28.4%	29	30	1	3.7%
29.6%	29	30	1	3.1%
30.9%	29	30	1	2.8%
32.1%	29	29	1	2.8%
33.3%	29	29	1	2.9%
34.6%	29	29	1	2.6%
35.8%	29	29	1	2.4%
37.0%	29	29	1	2.3%
38.3%	29	29	1	2.3%
39.5%	28	29	1	2.5%
40.7%	28	29	1	2.2%
42.0%	28	29	1	2.2%
43.2%	28	29	1	2.1%
44.4%	28	29	1	2.1%
45.7%	28	29	1	1.9%
46.9%	28	29	0	1.7%
48.1%	28	29	0	1.7%
49.4%	28	29	0	1.7%
50.6%	28	29	0	1.7%
51.9%	28	29	0	1.8%
53.1%	28	29	0	1.6%
54.3%	28	29	0	1.6%
55.6%	28	29	0	1.6%
56.8%	28	29	0	1.7%
58.0%	28	29	0	1.6%
59.3%	28	29	0	1.5%
60.5%	28	29	0	1.5%
61.7%	28	29	0	1.5%
63.0%	28	29	0	1.5%
64.2%	28	29	0	1.5%
65.4%	28	29	0	1.4%
66.7%	28	29	0	1.4%
67.9%	28	29	0	1.4%
69.1%	28	29	0	1.4%
70.4%	28	29	0	1.4%
71.6%	28	28	0	1.1%
72.8%	28	28	1	2.0%
74.1%	28	28	1	1.9%
75.3%	28	28	0	1.7%
76.5%	28	28	0	1.7%
77.8%	28	28	1	1.9%
79.0%	28	28	1	2.0%
80.2%	28	28	1	2.1%
81.5%	28	28	1	2.3%
82.7%	28	28	1	2.3%
84.0%	28	28	1	2.3%
85.2%	27	28	1	3.4%
86.4%	27	28	1	3.6%
87.7%	27	28	1	4.0%
88.9%	27	28	1	4.1%
90.1%	27	28	1	3.8%
91.4%	27	28	1	3.9%
92.6%	27	28	1	4.3%
93.8%	26	28	1	5.3%
95.1%	26	28	1	4.8%
96.3%	26	28	1	5.2%
97.5%	26	27	1	4.8%
98.8%	26	27	1	4.2%
100.0%	26	27	1	3.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	35	35	0	0.0%
1.2%	34	35	1	2.8%
2.5%	32	35	2	7.2%
3.7%	32	35	2	6.8%
4.9%	32	35	2	7.4%
6.2%	32	35	2	7.2%
7.4%	32	34	2	7.3%
8.6%	32	34	2	7.2%
9.9%	32	34	2	7.3%
11.1%	32	34	2	6.9%
12.3%	32	34	2	6.7%
13.6%	32	34	2	6.8%
14.8%	32	34	2	6.8%
16.0%	32	34	2	6.8%
17.3%	32	34	2	6.3%
18.5%	32	33	2	6.0%
19.8%	31	33	2	6.5%
21.0%	31	33	2	6.5%
22.2%	31	33	2	6.5%
23.5%	31	33	2	6.4%
24.7%	31	33	2	6.0%
25.9%	31	33	2	5.9%
27.2%	31	33	2	6.0%
28.4%	31	33	2	5.8%
29.6%	31	33	2	5.8%
30.9%	31	33	2	5.7%
32.1%	31	32	1	4.8%
33.3%	31	32	1	4.4%
34.6%	31	32	1	4.0%
35.8%	31	32	1	3.9%
37.0%	31	32	1	3.9%
38.3%	31	32	1	4.2%
39.5%	31	32	1	4.0%
40.7%	31	32	1	3.8%
42.0%	31	32	1	4.0%
43.2%	31	32	1	4.0%
44.4%	30	32	1	4.6%
45.7%	30	32	2	5.4%
46.9%	30	32	2	5.5%
48.1%	30	31	2	5.2%
49.4%	30	31	2	5.3%
50.6%	30	31	2	5.2%
51.9%	30	31	1	4.8%
53.1%	30	31	1	3.7%
54.3%	30	31	1	3.2%
55.6%	30	31	1	3.3%
56.8%	30	31	1	3.7%
58.0%	29	31	1	3.7%
59.3%	29	30	1	4.3%
60.5%	29	30	1	3.8%
61.7%	29	30	1	3.9%
63.0%	29	30	1	4.4%
64.2%	29	30	1	4.6%
65.4%	29	30	1	4.6%
66.7%	29	30	1	4.6%
67.9%	29	30	1	4.6%
69.1%	29	30	1	4.4%
70.4%	29	30	1	4.3%
71.6%	29	30	1	4.6%
72.8%	29	30	1	4.5%
74.1%	29	30	1	4.1%
75.3%	28	30	1	4.4%
76.5%	28	30	1	4.6%
77.8%	28	29	1	4.4%
79.0%	28	29	1	4.1%
80.2%	28	29	1	4.1%
81.5%	28	29	1	3.9%
82.7%	28	29	1	3.9%
84.0%	28	29	1	3.2%
85.2%	28	29	1	2.9%
86.4%	28	29	1	2.6%
87.7%	28	29	1	2.4%
88.9%	28	29	1	2.3%
90.1%	28	29	1	2.2%
91.4%	28	28	0	1.6%
92.6%	28	28	0	1.7%
93.8%	27	28	1	3.6%
95.1%	27	28	1	3.7%
96.3%	27	28	1	3.9%
97.5%	27	28	1	4.6%
98.8%	27	28	1	5.3%
100.0%	26	28	2	6.1%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	35	3	7.7%
1.2%	33	34	1	3.1%
2.5%	32	33	1	2.8%
3.7%	32	33	1	1.7%
4.9%	32	33	1	1.9%
6.2%	32	32	0	0.4%
7.4%	32	32	0	0.2%
8.6%	32	32	0	0.3%
9.9%	32	32	0	0.0%
11.1%	31	32	0	0.4%
12.3%	31	31	0	1.4%
13.6%	30	31	0	1.3%
14.8%	30	31	1	2.0%
16.0%	30	31	1	2.5%
17.3%	30	31	1	2.4%
18.5%	30	31	1	2.5%
19.8%	30	31	1	2.5%
21.0%	30	31	1	2.3%
22.2%	30	31	1	2.4%
23.5%	30	31	1	2.4%
24.7%	30	30	1	2.4%
25.9%	30	30	1	2.7%
27.2%	30	30	1	2.5%
28.4%	30	30	1	2.5%
29.6%	29	30	1	2.9%
30.9%	29	30	1	2.8%
32.1%	29	30	1	2.8%
33.3%	29	30	0	1.6%
34.6%	29	30	0	1.7%
35.8%	29	30	1	1.9%
37.0%	29	30	1	2.6%
38.3%	29	30	1	2.6%
39.5%	29	30	1	2.8%
40.7%	29	30	1	3.1%
42.0%	29	30	1	3.1%
43.2%	29	29	1	2.5%
44.4%	28	29	1	2.7%
45.7%	28	29	1	3.1%
46.9%	28	29	1	3.0%
48.1%	28	29	1	3.1%
49.4%	28	29	1	2.9%
50.6%	28	29	1	3.1%
51.9%	28	29	1	3.0%
53.1%	28	29	1	2.8%
54.3%	28	29	1	2.7%
55.6%	28	29	1	2.8%
56.8%	28	29	1	2.4%
58.0%	28	29	1	2.2%
59.3%	28	29	1	2.2%
60.5%	28	29	1	2.1%
61.7%	28	29	1	1.9%
63.0%	28	29	1	1.9%
64.2%	28	29	0	1.6%
65.4%	28	28	0	1.2%
66.7%	28	28	0	1.2%
67.9%	28	28	0	1.1%
69.1%	28	28	0	1.1%
70.4%	28	28	0	1.0%
71.6%	28	28	0	0.9%
72.8%	28	28	0	0.9%
74.1%	28	28	0	0.8%
75.3%	28	28	0	0.6%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.5%
79.0%	28	28	0	0.4%
80.2%	28	28	0	0.6%
81.5%	28	28	0	1.0%
82.7%	28	28	1	2.3%
84.0%	27	28	1	2.2%
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	2.6%
91.4%	27	28	1	3.9%
92.6%	27	28	1	4.2%
93.8%	27	28	1	3.3%
95.1%	27	27	1	2.6%
96.3%	26	27	1	5.0%
97.5%	26	27	1	4.1%
98.8%	26	26	0	1.6%
100.0%	26	26	0	1.8%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	5.2%
11.1%	36	37	1	2.0%
12.3%	36	37	1	1.8%
13.6%	36	37	1	1.8%
14.8%	36	36	0	1.0%
16.0%	36	36	1	1.5%
17.3%	36	36	0	1.3%
18.5%	35	36	1	2.4%
19.8%	35	36	1	1.8%
21.0%	35	36	1	2.1%
22.2%	35	36	1	1.9%
23.5%	35	36	1	2.5%
24.7%	35	36	1	2.4%
25.9%	34	36	1	3.6%
27.2%	34	35	1	3.6%
28.4%	34	35	2	4.6%
29.6%	33	33	0	0.0%
30.9%	33	33	1	1.6%
32.1%	33	33	1	1.6%
33.3%	33	33	0	1.3%
34.6%	32	33	1	1.6%
35.8%	32	32	0	0.0%
37.0%	32	32	0	0.4%
38.3%	32	32	0	-0.1%
39.5%	31	32	1	1.9%
40.7%	31	31	1	2.3%
42.0%	30	31	1	3.1%
43.2%	30	31	1	3.0%
44.4%	30	31	1	3.6%
45.7%	30	31	1	4.3%
46.9%	30	30	1	3.2%
48.1%	29	30	1	3.3%
49.4%	29	30	1	2.9%
50.6%	29	30	1	3.7%
51.9%	29	30	1	3.4%
53.1%	29	30	1	3.4%
54.3%	29	30	1	3.5%
55.6%	29	30	1	3.2%
56.8%	29	30	1	3.4%
58.0%	29	30	1	2.9%
59.3%	29	29	1	2.3%
60.5%	29	29	1	2.6%
61.7%	29	29	1	2.6%
63.0%	29	29	1	2.3%
64.2%	29	29	1	2.4%
65.4%	29	29	1	2.1%
66.7%	28	29	1	2.1%
67.9%	28	29	1	2.2%
69.1%	28	29	1	2.3%
70.4%	28	29	1	2.6%
71.6%	28	29	1	2.8%
72.8%	28	29	1	2.8%
74.1%	28	29	1	2.9%
75.3%	28	29	1	2.6%
76.5%	28	29	1	2.7%
77.8%	28	29	1	2.4%
79.0%	28	29	1	3.5%
80.2%	28	29	1	4.1%
81.5%	28	29	1	4.2%
82.7%	27	29	1	4.2%
84.0%	27	29	1	4.0%
85.2%	27	29	1	4.5%
86.4%	27	28	1	4.0%
87.7%	27	28	1	4.4%
88.9%	27	28	1	5.4%
90.1%	27	28	1	5.1%
91.4%	27	28	1	4.8%
92.6%	27	28	1	5.4%
93.8%	27	28	1	5.5%
95.1%	26	28	2	7.7%
96.3%	26	28	2	7.8%
97.5%	26	27	1	4.6%
98.8%	26	27	1	5.7%
100.0%	26	26	0	1.8%

Table SW-57-9a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	74	74	75	75	75	76	74	75	75	77	76	75
Alternative D	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[3]	-0.1%	0.0%	-0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative D	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	-0.1%	-0.1%	-0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.2%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative D	75	74	74	75	75	76	74	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.1%	-0.6%	0.0%	-0.1%	0.0%	0.0%	0.2%	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 D	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	-0.2%	0.1%	0.4%	-0.2%	0.2%	0.2%	0.0%	0.0%	0.3%	-0.1%	-0.3%	-0.2%
Dry (22%)												
No Action Alternative	74	73	74	73	74	74	73	74	75	77	76	74
Alternative D	74	73	74	73	74	73	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.2%	-0.1%	-0.1%	-0.2%	0.0%	-0.2%	-0.4%	-0.2%	0.4%	0.5%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative D	73	73	74	73	73	73	73	73	74	76	75	74
Difference	0	0	0	0	0	0	0	0	0	0	1	0
Percent Difference	-0.1%	-0.1%	0.0%	-0.1%	-0.1%	0.1%	-0.2%	-0.1%	-0.5%	0.3%	0.8%	0.1%

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

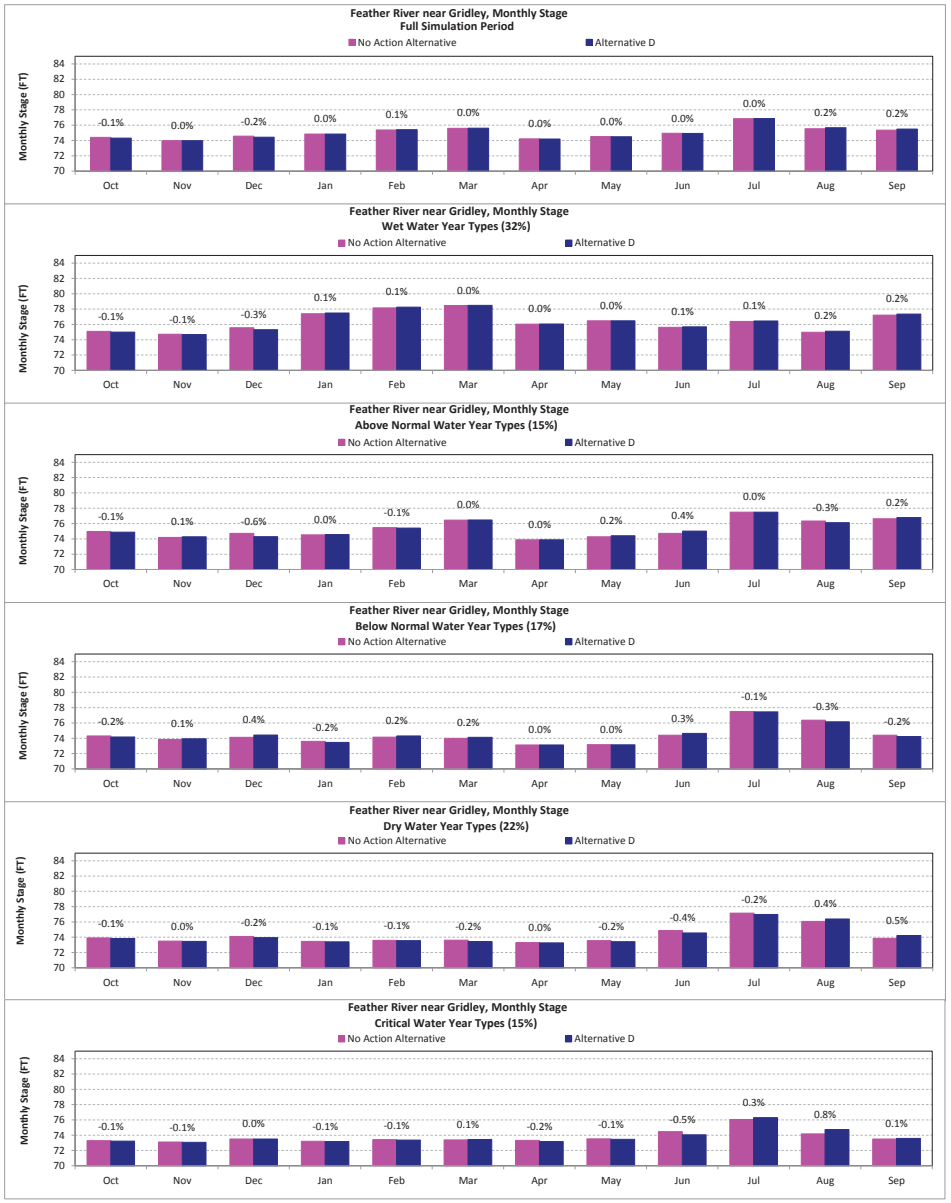

Figure SW-57-9b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

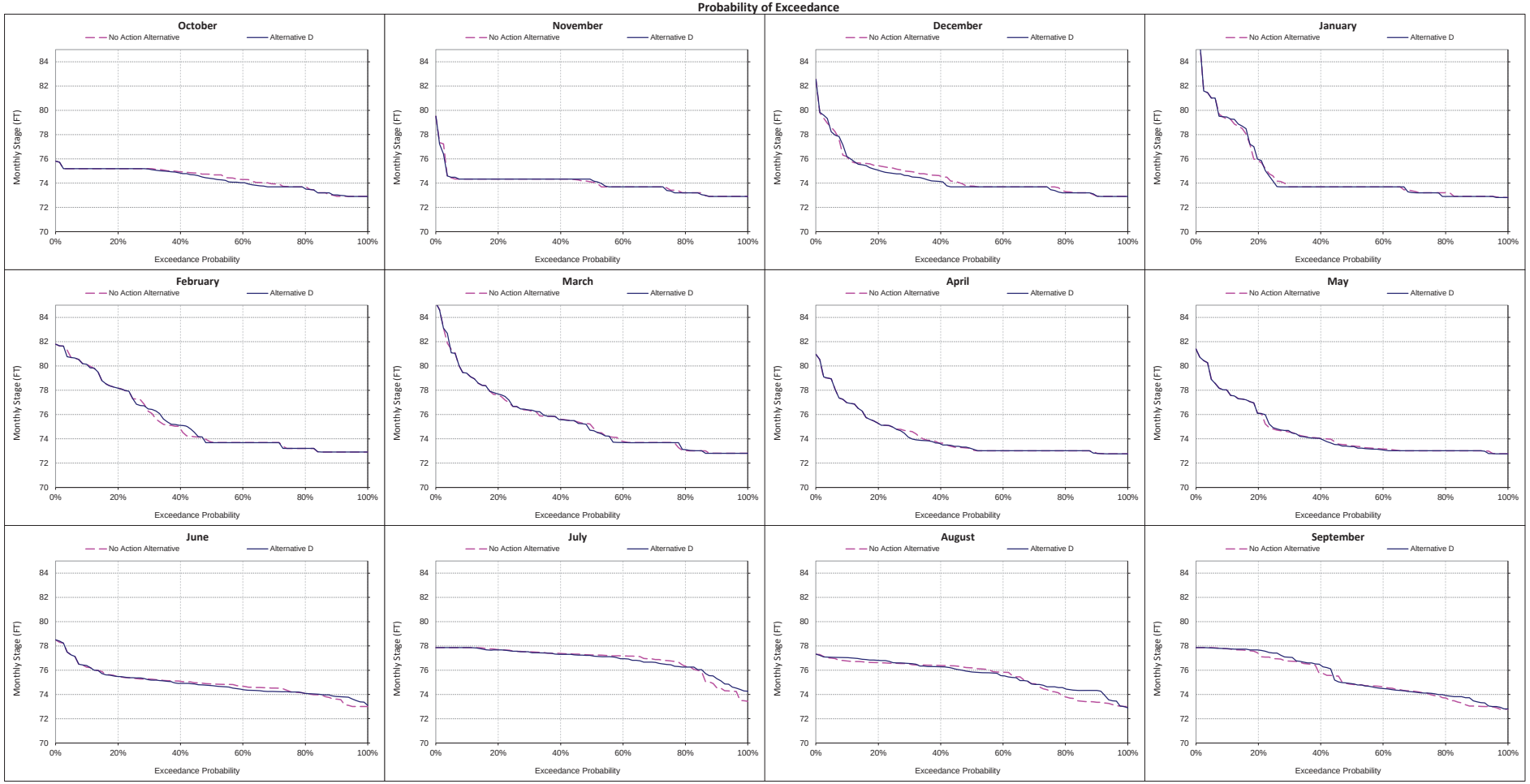

Table SW-57-9b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
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	0.0%
37.0%	75	75	0	-0.1%
38.3%	75	75	0	-0.1%
39.5%	75	75	0	-0.1%
40.7%	75	75	0	-0.2%
42.0%	75	75	0	-0.2%
43.2%	75	75	0	-0.2%
44.4%	75	75	0	-0.2%
45.7%	75	75	0	-0.3%
46.9%	75	75	0	-0.3%
48.1%	75	74	0	-0.4%
49.4%	75	74	0	-0.5%
50.6%	75	74	0	-0.4%
51.9%	75	74	0	-0.5%
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	-0.4%
58.0%	74	74	0	-0.3%
59.3%	74	74	0	-0.4%
60.5%	74	74	0	-0.4%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.4%
64.2%	74	74	0	-0.3%
65.4%	74	74	0	-0.4%
66.7%	74	74	0	-0.4%
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	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	-0.3%
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	0.0%
90.1%	73	73	0	0.2%
91.4%	73	73	0	0.1%
92.6%	73	73	0	0.1%
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 D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	76	-1	-1.1%
3.7%	74	75	0	0.1%
4.9%	74	74	0	0.0%
6.2%	74	74	0	0.2%
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	0.2%
49.4%	74	74	0	0.3%
50.6%	74	74	0	0.1%
51.9%	74	74	0	0.2%
53.1%	74	74	0	0.4%
54.3%	74	74	0	0.1%
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%	73	73	0	-0.1%
76.5%	73	73	0	-0.3%
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	-0.2%
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%

December

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	0.0%
2.5%	79	80	0	0.3%
3.7%	79	79	0	0.5%
4.9%	79	78	0	-0.5%
6.2%	78	78	0	-0.4%
7.4%	78	78	0	0.3%
8.6%	76	77	1	1.1%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.3%
12.3%	76	76	0	0.1%
13.6%	76	76	0	-0.1%
14.8%	76	76	0	-0.2%
16.0%	76	75	0	-0.2%
17.3%	76	75	0	-0.4%
18.5%	75	75	0	-0.4%
19.8%	75	75	0	-0.5%
21.0%	75	75	0	-0.5%
22.2%	75	75	0	-0.6%
23.5%	75	75	0	-0.6%
24.7%	75	75	0	-0.6%
25.9%	75	75	0	-0.5%
27.2%	75	75	0	-0.4%
28.4%	75	75	0	-0.5%
29.6%	75	75	0	-0.5%
30.9%	75	75	0	-0.6%
32.1%	75	74	0	-0.5%
33.3%	75	74	0	-0.4%
34.6%	75	74	0	-0.5%
35.8%	75	74	0	-0.6%
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	0	-0.5%
42.0%	74	74	-1	-1.0%
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	74	0	0.0%
75.3%	74	73	0	-0.3%
76.5%	74	73	0	-0.4%
77.8%	74	73	0	-0.5%
79.0%	73	73	0	-0.2%
80.2%	73	73	0	-0.1%
81.5%	73	73	0	-0.1%
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	0.1%
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%

January

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.1%
7.4%	80	80	0	-0.2%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.2%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.5%
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	77	1	1.3%
19.8%	76	76	0	0.1%
21.0%	76	76	0	0.3%
22.2%	75	75	0	-0.2%
23.5%	75	75	0	-0.3%
24.7%	75	74	0	-0.6%
25.9%	74	74	0	-0.6%
27.2%	74	74	0	-0.6%
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	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
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%	73	74	0	0.3%
67.9%	73	73	0	-0.2%
69.1%	73	73	0	-0.2%
70.4%	73	73	0	-0.1%
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	-0.4%
80.2%	73	73	0	-0.4%
81.5%	73	73	0	-0.4%
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	0.0%
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	-0.1%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-9b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.0%
6.2%	81	81	0	0.0%
7.4%	81	81	0	0.0%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	-0.1%
12.3%	80	80	0	0.0%
13.6%	80	80	0	0.0%
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	-0.6%
27.2%	77	77	0	-0.6%
28.4%	77	77	0	-0.2%
29.6%	76	76	0	0.2%
30.9%	76	76	0	0.5%
32.1%	76	76	1	0.9%
33.3%	75	76	1	0.9%
34.6%	75	76	0	0.6%
35.8%	75	75	0	0.4%
37.0%	75	75	0	0.1%
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	0.8%
44.4%	74	75	0	0.5%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	-0.4%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
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	0.0%
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	0.0%
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 D 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	83	1	1.0%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	-0.1%
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	0.2%
19.8%	78	78	0	0.1%
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%	76	76	0	0.0%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.1%
32.1%	76	76	0	0.0%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.1%
35.8%	76	76	0	0.0%
37.0%	76	76	0	0.0%
38.3%	76	76	0	0.0%
39.5%	76	76	0	0.0%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.0%
43.2%	75	76	0	0.0%
44.4%	75	75	0	0.0%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	0.0%
48.1%	75	75	0	-0.1%
49.4%	75	75	-1	-0.7%
50.6%	75	75	0	-0.3%
51.9%	75	75	0	0.0%
53.1%	75	74	0	-0.1%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	-0.6%
58.0%	74	74	0	-0.5%
59.3%	74	74	0	-0.2%
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	74	0	0.6%
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	-0.3%
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%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.1%
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	-0.2%
28.4%	75	74	0	-0.3%
29.6%	75	74	-1	-0.7%
30.9%	75	74	-1	-0.8%
32.1%	74	74	0	-0.7%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	-0.1%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	74	0	0.0%
40.7%	74	73	0	-0.2%
42.0%	73	73	0	0.0%
43.2%	73	73	0	0.1%
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	0.0%
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	0.0%
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	0.0%
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	0.0%
88.9%	73	73	0	-0.2%
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%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	76	1	1.0%
23.5%	75	75	0	0.4%
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	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	-0.1%
34.6%	74	74	0	0.0%
35.8%	74	74	0	-0.1%
37.0%	74	74	0	0.0%
38.3%	74	74	0	-0.1%
39.5%	74	74	0	0.0%
40.7%	74	74	0	-0.2%
42.0%	74	74	0	-0.3%
43.2%	74	74	0	-0.4%
44.4%	74	74	0	-0.3%
45.7%	74	74	0	-0.1%
46.9%	74	73	0	-0.2%
48.1%	74	73	0	-0.1%
49.4%	73	73	0	-0.1%
50.6%	73	73	0	-0.1%
51.9%	73	73	0	-0.2%
53.1%	73	73	0	-0.2%
54.3%	73	73	0	-0.1%
55.6%	73	73	0	-0.1%
56.8%	73	73	0	-0.1%
58.0%	73	73	0	-0.1%
59.3%	73	73	0	-0.1%
60.5%	73	73	0	-0.1%
61.7%	73	73	0	-0.2%
63.0%	73	73	0	-0.1%
64.2%	73	73	0	-0.1%
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	0.0%
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	-0.3%
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%

Table SW-57-9b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	79	0	0.0%
1.2%	78	78	0	0.1%
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	76	0	0.0%
8.6%	76	76	0	0.0%
9.9%	76	76	0	0.2%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.0%
13.6%	76	76	0	0.0%
14.8%	76	76	0	-0.2%
16.0%	76	76	0	0.0%
17.3%	76	76	0	-0.1%
18.5%	76	76	0	-0.1%
19.8%	75	75	0	0.1%
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	0.1%
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	0.0%
33.3%	75	75	0	-0.1%
34.6%	75	75	0	0.0%
35.8%	75	75	0	-0.1%
37.0%	75	75	0	-0.1%
38.3%	75	75	0	-0.2%
39.5%	75	75	0	-0.2%
40.7%	75	75	0	-0.2%
42.0%	75	75	0	-0.2%
43.2%	75	75	0	-0.2%
44.4%	75	75	0	-0.1%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	-0.2%
48.1%	75	75	0	-0.2%
49.4%	75	75	0	-0.2%
50.6%	75	75	0	-0.2%
51.9%	75	75	0	-0.2%
53.1%	75	75	0	-0.2%
54.3%	75	75	0	-0.3%
55.6%	75	75	0	-0.3%
56.8%	75	75	0	-0.4%
58.0%	75	74	0	-0.3%
59.3%	75	74	0	-0.3%
60.5%	75	74	0	-0.4%
61.7%	75	74	0	-0.3%
63.0%	75	74	0	-0.3%
64.2%	75	74	0	-0.3%
65.4%	75	74	0	-0.3%
66.7%	75	74	0	-0.4%
67.9%	75	74	0	-0.4%
69.1%	75	74	0	-0.4%
70.4%	75	74	0	-0.4%
71.6%	75	74	0	-0.4%
72.8%	74	74	0	-0.3%
74.1%	74	74	0	-0.2%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.1%
82.7%	74	74	0	0.1%
84.0%	74	74	0	0.1%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.2%
87.7%	74	74	0	0.3%
88.9%	74	74	0	0.3%
90.1%	74	74	0	0.3%
91.4%	74	74	0	0.3%
92.6%	73	74	1	0.9%
93.8%	73	74	1	0.9%
95.1%	73	74	1	0.8%
96.3%	73	74	0	0.7%
97.5%	73	73	0	0.5%
98.8%	73	73	0	0.5%
100.0%	73	73	0	0.1%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	-0.1%
14.8%	78	78	0	-0.1%
16.0%	78	78	0	-0.1%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	-0.1%
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	-0.1%
24.7%	78	78	0	0.0%
25.9%	78	78	0	0.0%
27.2%	78	78	0	0.0%
28.4%	78	78	0	0.0%
29.6%	78	78	0	0.0%
30.9%	78	77	0	-0.1%
32.1%	77	77	0	-0.1%
33.3%	77	77	0	-0.1%
34.6%	77	77	0	0.0%
35.8%	77	77	0	0.0%
37.0%	77	77	0	0.0%
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	-0.1%
45.7%	77	77	0	-0.1%
46.9%	77	77	0	-0.1%
48.1%	77	77	0	-0.1%
49.4%	77	77	0	-0.1%
50.6%	77	77	0	-0.1%
51.9%	77	77	0	-0.2%
53.1%	77	77	0	-0.2%
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	-0.2%
59.3%	77	77	0	-0.3%
60.5%	77	77	0	-0.3%
61.7%	77	77	0	-0.3%
63.0%	77	77	0	-0.4%
64.2%	77	77	0	-0.4%
65.4%	77	77	0	-0.5%
66.7%	77	77	0	-0.4%
67.9%	77	77	0	-0.4%
69.1%	77	77	0	-0.4%
70.4%	77	77	0	-0.3%
71.6%	77	77	0	-0.4%
72.8%	77	77	0	-0.4%
74.1%	77	76	0	-0.4%
75.3%	77	76	0	-0.4%
76.5%	77	76	0	-0.5%
77.8%	77	76	0	-0.5%
79.0%	76	76	0	-0.2%
80.2%	76	76	0	-0.1%
81.5%	76	76	0	0.0%
82.7%	76	76	0	0.2%
84.0%	76	76	0	0.1%
85.2%	76	76	0	0.2%
86.4%	75	76	1	0.9%
87.7%	75	76	1	0.7%
88.9%	75	76	1	0.8%
90.1%	75	75	1	1.0%
91.4%	75	75	1	0.8%
92.6%	74	75	1	0.8%
93.8%	74	75	1	0.8%
95.1%	74	75	0	0.5%
96.3%	74	75	0	0.4%
97.5%	74	74	1	1.2%
98.8%	73	74	1	1.1%
100.0%	73	74	1	1.1%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	77	0	0.0%
3.7%	77	77	0	0.1%
4.9%	77	77	0	0.1%
6.2%	77	77	0	0.1%
7.4%	77	77	0	0.3%
8.6%	77	77	0	0.3%
9.9%	77	77	0	0.4%
11.1%	77	77	0	0.4%
12.3%	77	77	0	0.3%
13.6%	77	77	0	0.3%
14.8%	77	77	0	0.3%
16.0%	77	77	0	0.3%
17.3%	77	77	0	0.3%
18.5%	77	77	0	0.3%
19.8%	77	77	0	0.2%
21.0%	77	77	0	0.2%
22.2%	77	77	0	0.2%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.1%
25.9%	77	77	0	0.1%
27.2%	77	77	0	0.1%
28.4%	77	77	0	0.0%
29.6%	77	77	0	0.0%
30.9%	76	77	0	0.1%
32.1%	76	76	0	0.1%
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	-0.2%
39.5%	76	76	0	-0.2%
40.7%	76	76	0	-0.1%
42.0%	76	76	0	-0.1%
43.2%	76	76	0	-0.2%
44.4%	76	76	0	-0.3%
45.7%	76	76	0	-0.4%
46.9%	76	76	0	-0.4%
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	-0.4%
53.1%	76	76	0	-0.4%
54.3%	76	76	0	-0.4%
55.6%	76	76	0	-0.3%
56.8%	76	76	0	-0.1%
58.0%	76	76	0	-0.1%
59.3%	76	76	0	-0.4%
60.5%	76	76	0	-0.4%
61.7%	76	75	0	-0.5%
63.0%	76	75	0	-0.2%
64.2%	75	75	0	-0.1%
65.4%	75	75	0	-0.4%
66.7%	75	75	0	-0.1%
67.9%	75	75	0	0.1%
69.1%	75	75	0	0.0%
70.4%	75	75	0	-0.1%
71.6%	75	75	0	0.2%
72.8%	74	75	0	0.4%
74.1%	74	75	0	0.3%
75.3%	74	75	0	0.5%
76.5%	74	75	0	0.6%
77.8%	74	75	0	0.6%
79.0%	74	75	1	0.9%
80.2%	74	74	1	0.9%
81.5%	74	74	1	1.0%
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	1.3%
91.4%	73	74	1	1.3%
92.6%	73	74	1	0.8%
93.8%	73	74	0	0.4%
95.1%	73	73	0	0.4%
96.3%	73	73	0	0.5%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	-0.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.1%
13.6%	78	78	0	0.1%
14.8%	78	78	0	0.1%
16.0%	78	78	0	0.1%
17.3%	78	78	0	0.1%
18.5%	78	78	0	0.1%
19.8%	77	78	0	0.3%
21.0%	77	78	1	0.7%
22.2%	77	78	0	0.6%
23.5%	77	77	0	0.5%
24.7%	77	77	0	0.6%
25.9%	77	77	0	0.6%
27.2%	77	77	0	0.4%
28.4%	77	77	0	0.4%
29.6%	77	77	0	0.4%
30.9%	77	77	0	0.4%
32.1%	77	77	0	0.1%
33.3%	77	77	0	0.1%
34.6%	77	77	0	0.1%
35.8%	77	77	0	0.1%
37.0%	76	77	0	0.1%
38.3%	76	77	0	0.1%
39.5%	76	77	1	1.0%
40.7%	76	76	1	0.7%
42.0%	76	76	1	0.9%
43.2%	76	76	1	0.7%
44.4%	76	75	0	-0.4%
45.7%	76	75	0	-0.6%
46.9%	75	75	0	0.0%
48.1%	75	75	0	0.1%
49.4%	75	75	0	0.1%
50.6%	75	75	0	0.1%
51.9%	75	75	0	0.0%
53.1%	75	75	0	0.0%
54.3%	75	75	0	0.0%
55.6%	75	75	0	-0.1%
56.8%	75	75	0	-0.1%
58.0%	75	75	0	-0.2%
59.3%	75	75	0	-0.2%
60.5%	75	74	0	-0.1%
61.7%	75	74	0	-0.1%
63.0%	75	74	0	-0.2%
64.2%	74	74	0	-0.1%
65.4%	74	74	0	-0.1%
66.7%	74	74	0	0.0%
67.9%	74	74	0	-0.1%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	-0.1%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.2%
76.5%	74	74	0	0.2%
77.8%	74	74	0	0.1%
79.0%	74	74	0	0.3%
80.2%	74	74	0	0.3%
81.5%	73	74	0	0.5%
82.7%	73	74	0	0.5%
84.0%	73	74	0	0.6%
85.2%	73	74	1	0.7%
86.4%	73	74	1	0.8%
87.7%	73	74	1	1.0%
88.9%	73	73	0	0.6%
90.1%	73	73	0	0.5%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.4%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.2%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-58-9a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative D	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[3]	1.2%	1.2%	1.4%	0.7%	0.3%	0.5%	0.6%	0.9%	-1.2%	-3.1%	0.6%	-1.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative D	5	6	6	9	9	7	7	7	7	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.7%	1.2%	1.0%	0.4%	0.1%	0.0%	0.0%	0.0%	-0.2%	-1.7%	1.1%	-4.1%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative D	5	6	6	6	8	7	6	6	6	7	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.5%	1.9%	2.3%	0.8%	0.3%	0.0%	0.0%	-0.2%	-2.6%	-0.3%	-1.9%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative D	5	6	6	5	6	5	6	6	5	7	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	1.5%	0.6%	1.9%	-0.4%	0.5%	1.5%	1.3%	-0.1%	-6.7%	1.8%	3.9%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative D	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	0.3%	2.4%	2.9%	-1.9%	1.5%	1.1%	0.4%	1.3%	-2.4%	-2.8%	-1.1%	-0.4%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative D	4	4	4	5	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.0%	-0.6%	0.2%	2.2%	0.1%	1.3%	2.4%	4.7%	-5.3%	-2.4%	1.3%	0.3%

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

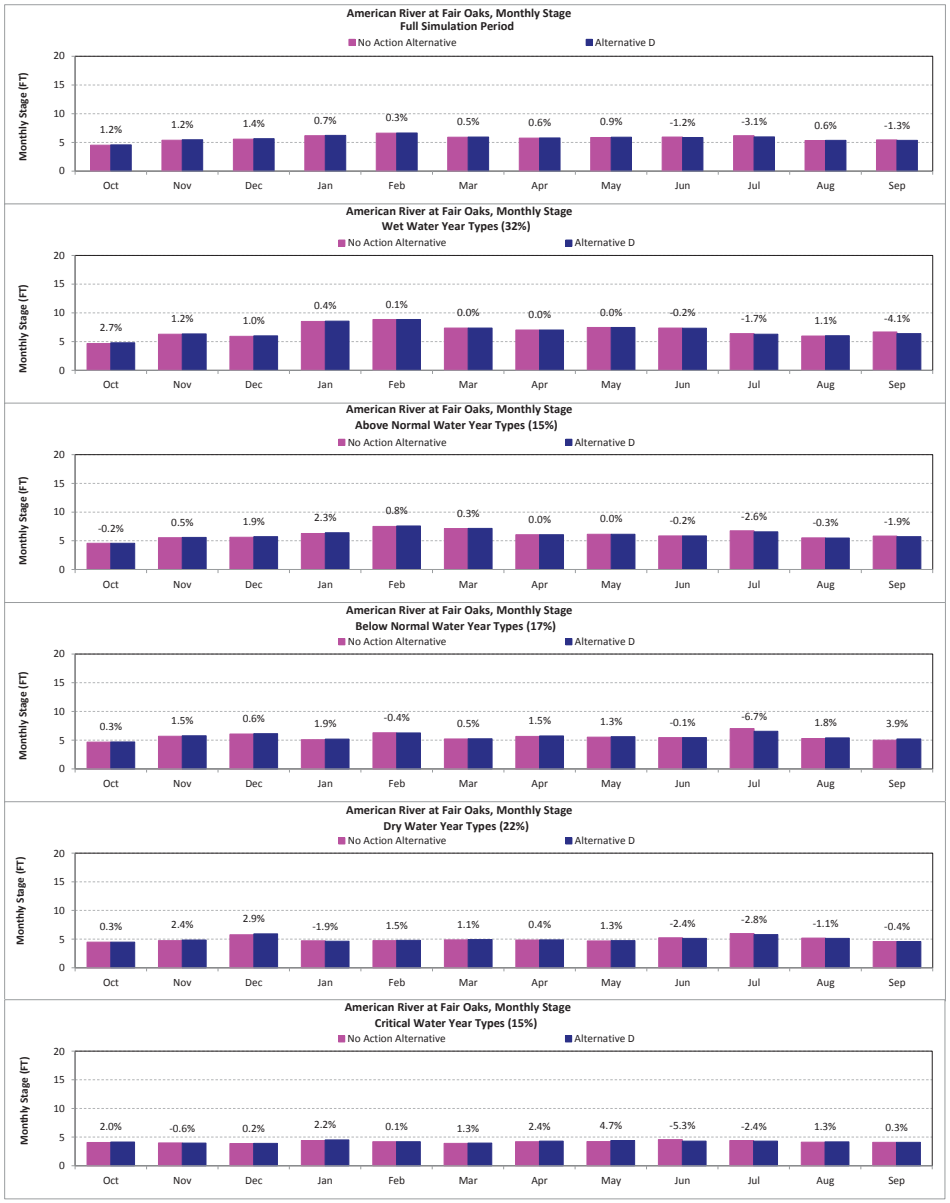

Figure SW-58-9b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

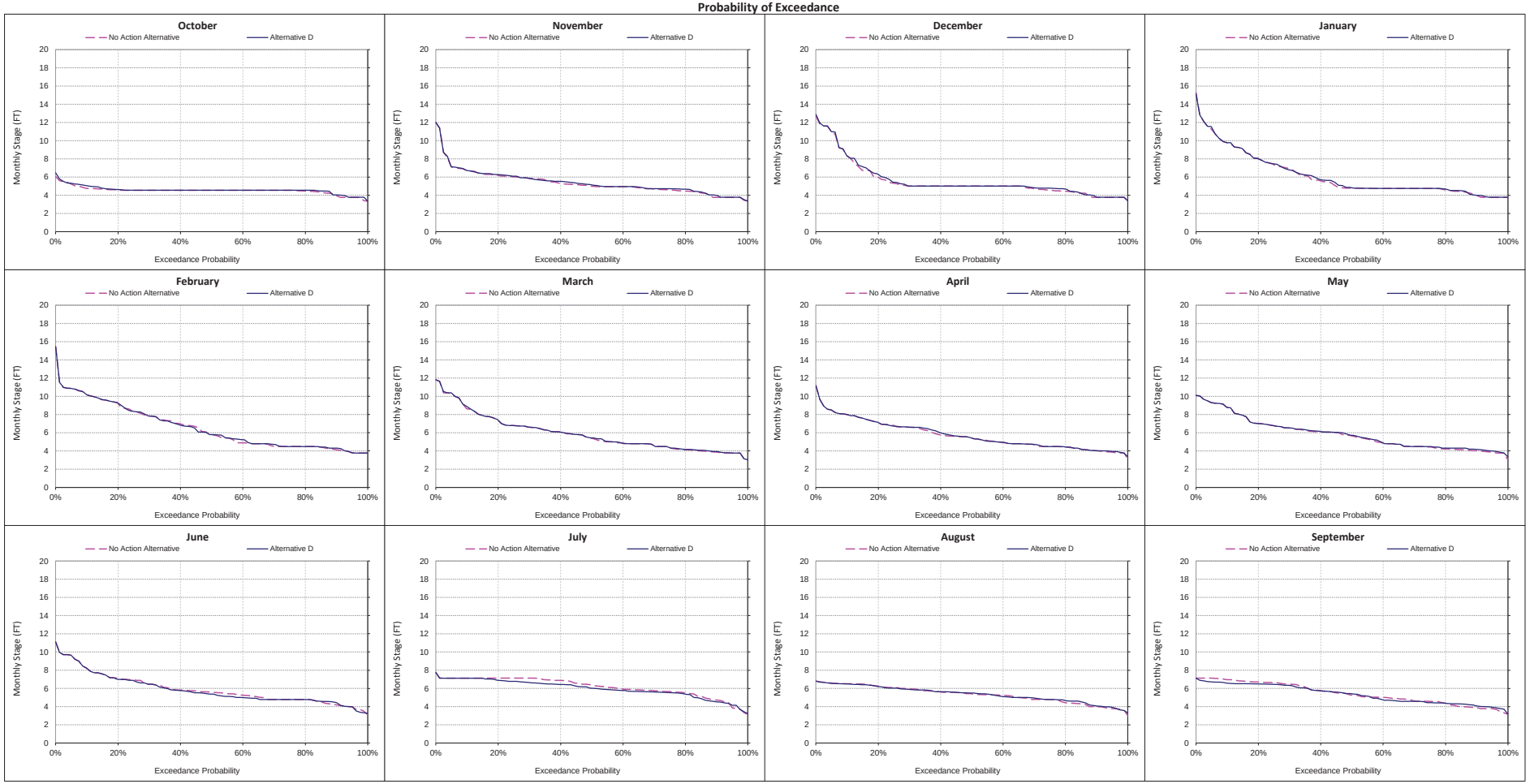

Table SW-58-9b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	6.6%
1.2%	6	6	0	3.2%
2.5%	5	6	0	0.5%
3.7%	5	5	0	-1.7%
4.9%	5	5	0	1.8%
6.2%	5	5	0	3.7%
7.4%	5	5	0	3.8%
8.6%	5	5	0	5.1%
9.9%	5	5	0	6.2%
11.1%	5	5	0	5.9%
12.3%	5	5	0	4.5%
13.6%	5	5	0	4.9%
14.8%	5	5	0	2.1%
16.0%	5	5	0	0.9%
17.3%	5	5	0	1.6%
18.5%	5	5	0	0.9%
19.8%	5	5	0	0.7%
21.0%	5	5	0	1.5%
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	5	0	2.0%
81.5%	4	5	0	2.5%
82.7%	4	5	0	2.9%
84.0%	4	5	0	3.1%
85.2%	4	4	0	3.3%
86.4%	4	4	0	5.0%
87.7%	4	4	0	4.4%
88.9%	4	4	0	-2.4%
90.1%	4	4	0	2.8%
91.4%	4	4	0	6.4%
92.6%	4	4	0	5.9%
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	10.7%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	2.0%
4.9%	7	7	0	-0.1%
6.2%	7	7	0	0.9%
7.4%	7	7	0	0.6%
8.6%	7	7	0	0.7%
9.9%	7	7	0	-0.6%
11.1%	7	7	0	-0.1%
12.3%	7	7	0	-0.8%
13.6%	6	6	0	0.0%
14.8%	6	6	0	0.5%
16.0%	6	6	0	1.3%
17.3%	6	6	0	1.3%
18.5%	6	6	0	0.8%
19.8%	6	6	0	1.4%
21.0%	6	6	0	2.8%
22.2%	6	6	0	1.8%
23.5%	6	6	0	0.9%
24.7%	6	6	0	1.1%
25.9%	6	6	0	1.7%
27.2%	6	6	0	-0.3%
28.4%	6	6	0	-0.6%
29.6%	6	6	0	0.7%
30.9%	6	6	0	-1.2%
32.1%	6	6	0	-1.6%
33.3%	6	6	0	-1.7%
34.6%	6	6	0	-2.6%
35.8%	6	6	0	0.0%
37.0%	5	6	0	2.0%
38.3%	5	6	0	1.5%
39.5%	5	6	0	3.8%
40.7%	5	6	0	5.3%
42.0%	5	5	0	4.4%
43.2%	5	5	0	4.1%
44.4%	5	5	0	3.5%
45.7%	5	5	0	2.6%
46.9%	5	5	0	3.3%
48.1%	5	5	0	2.1%
49.4%	5	5	0	3.8%
50.6%	5	5	0	2.5%
51.9%	5	5	0	2.5%
53.1%	5	5	0	0.5%
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	0.9%
66.7%	5	5	0	1.8%
67.9%	5	5	0	0.1%
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	3.2%
76.5%	5	5	0	3.2%
77.8%	4	5	0	4.3%
79.0%	4	5	0	4.4%
80.2%	4	5	0	4.9%
81.5%	4	5	0	4.4%
82.7%	4	4	0	0.1%
84.0%	4	4	0	2.0%
85.2%	4	4	0	2.4%
86.4%	4	4	0	-0.8%
87.7%	4	4	0	1.3%
88.9%	4	4	0	6.8%
90.1%	4	4	0	5.9%
91.4%	4	4	0	0.4%
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	4	0	2.1%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	1.4%
1.2%	12	12	0	0.9%
2.5%	12	12	0	-0.2%
3.7%	12	12	0	-0.2%
4.9%	11	11	0	0.0%
6.2%	11	11	0	2.3%
7.4%	9	9	0	0.2%
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	1	6.7%
13.6%	7	7	0	2.1%
14.8%	7	7	0	6.0%
16.0%	7	7	0	4.2%
17.3%	7	7	0	-0.3%
18.5%	6	6	0	6.3%
19.8%	6	6	0	5.5%
21.0%	6	6	0	5.2%
22.2%	6	6	0	4.5%
23.5%	5	6	0	6.3%
24.7%	5	5	0	1.9%
25.9%	5	5	0	2.8%
27.2%	5	5	0	2.5%
28.4%	5	5	0	2.4%
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	1.9%
67.9%	5	5	0	2.8%
69.1%	5	5	0	1.7%
70.4%	5	5	0	2.5%
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	5.9%
77.8%	4	5	0	5.5%
79.0%	4	5	0	5.8%
80.2%	4	5	0	5.1%
81.5%	4	4	0	0.1%
82.7%	4	4	0	2.0%
84.0%	4	4	0	2.4%
85.2%	4	4	0	-1.2%
86.4%	4	4	0	-4.1%
87.7%	4	4	0	3.9%
88.9%	4	4	0	5.9%
90.1%	4	4	0	0.4%
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 D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	-0.9%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
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	0.1%
11.1%	10	10	0	1.3%
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	8	0	-0.3%
18.5%	8	8	0	-0.5%
19.8%	8	8	0	-0.8%
21.0%	8	8	0	0.3%
22.2%	8	8	0	0.1%
23.5%	8	8	0	0.0%
24.7%	7	7	0	0.8%
25.9%	7	7	0	3.3%
27.2%	7	7	0	0.5%
28.4%	7	7	0	-1.6%
29.6%	7	7	0	-2.2%
30.9%	7	7	0	-0.9%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	1.8%
34.6%	6	6	0	2.0%
35.8%	6	6	0	1.1%
37.0%	6	6	0	7.5%
38.3%	6	6	0	4.3%
39.5%	6	6	0	2.0%
40.7%	5	6	0	3.1%
42.0%	5	6	0	3.4%
43.2%	5	6	0	4.7%
44.4%	5	5	0	6.6%
45.7%	5	5	0	4.9%
46.9%	5	5	0	5.3%
48.1%	5	5	0	1.7%
49.4%	5	5	0	1.4%
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%
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%	5	5	0	0.0%
79.0%	5	5	0	1.4%
80.2%	5	5	0	1.7%
81.5%	5	5	0	0.0%
82.7%	4	5	0	2.2%
84.0%	4	5	0	2.2%
85.2%	4	4	0	1.8%
86.4%	4	4	0	2.0%
87.7%	4	4	0	-2.9%
88.9%	4	4	0	-2.3%
90.1%	4	4	0	0.1%
91.4%	4	4	0	5.7%
92.6%	4	4	0	2.5%
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%	4	4	0	0.0%

Table SW-58-9b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	12	12	0	-0.5%
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	0.6%
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	3.0%
22.2%	9	9	0	0.0%
23.5%	9	8	0	-1.9%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	1.6%
28.4%	8	8	0	1.3%
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	-0.5%
34.6%	7	7	0	-1.3%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-2.4%
38.3%	7	7	0	0.0%
39.5%	7	7	0	-2.1%
40.7%	7	7	0	-1.6%
42.0%	7	7	0	-1.4%
43.2%	7	7	0	-1.5%
44.4%	7	7	0	-2.4%
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	-0.5%
50.6%	6	6	0	0.4%
51.9%	6	6	0	1.7%
53.1%	5	6	0	5.0%
54.3%	5	5	0	0.8%
55.6%	5	5	0	0.0%
56.8%	5	5	0	1.8%
58.0%	5	5	0	8.4%
59.3%	5	5	0	7.6%
60.5%	5	5	0	7.0%
61.7%	5	5	0	0.9%
63.0%	5	5	0	0.1%
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	1.1%
69.1%	5	5	0	3.7%
70.4%	4	5	0	4.5%
71.6%	4	5	0	1.2%
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	0.3%
86.4%	4	4	0	2.4%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	4.5%
91.4%	4	4	0	5.1%
92.6%	4	4	0	-0.6%
93.8%	4	4	0	0.2%
95.1%	4	4	0	0.9%
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 D 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	1.4%
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%	9	9	0	3.3%
11.1%	9	9	0	0.6%
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	0.0%
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	-0.1%
27.2%	7	7	0	-0.1%
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	0.0%
33.3%	6	6	0	-0.2%
34.6%	6	6	0	0.2%
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	0.0%
44.4%	6	6	0	-0.1%
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	0.6%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.0%
53.1%	5	5	0	4.7%
54.3%	5	5	0	1.3%
55.6%	5	5	0	0.2%
56.8%	5	5	0	0.4%
58.0%	5	5	0	1.8%
59.3%	5	5	0	0.4%
60.5%	5	5	0	0.5%
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	0.2%
69.1%	5	5	0	0.0%
70.4%	5	4	0	-0.3%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	-0.2%
75.3%	4	4	0	0.0%
76.5%	4	4	0	2.2%
77.8%	4	4	0	1.8%
79.0%	4	4	0	1.0%
80.2%	4	4	0	1.3%
81.5%	4	4	0	1.0%
82.7%	4	4	0	2.2%
84.0%	4	4	0	1.7%
85.2%	4	4	0	2.0%
86.4%	4	4	0	2.5%
87.7%	4	4	0	1.5%
88.9%	4	4	0	1.3%
90.1%	4	4	0	1.6%
91.4%	4	4	0	1.0%
92.6%	4	4	0	0.8%
93.8%	4	4	0	0.7%
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 D 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	1.0%
27.2%	7	7	0	0.2%
28.4%	7	7	0	0.2%
29.6%	7	7	0	0.3%
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	2.9%
35.8%	6	6	0	3.6%
37.0%	6	6	0	4.1%
38.3%	6	6	0	5.6%
39.5%	6	6	0	4.4%
40.7%	6	6	0	3.0%
42.0%	6	6	0	2.9%
43.2%	6	6	0	1.9%
44.4%	6	6	0	0.5%
45.7%	6	6	0	0.9%
46.9%	6	6	0	-0.1%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	-0.2%
53.1%	5	5	0	0.0%
54.3%	5	5	0	-1.4%
55.6%	5	5	0	-1.4%
56.8%	5	5	0	-0.5%
58.0%	5	5	0	-0.8%
59.3%	5	5	0	0.6%
60.5%	5	5	0	0.9%
61.7%	5	5	0	0.3%
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	0.1%
67.9%	5	5	0	-0.4%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.3%
71.6%	4	5	0	3.0%
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	1.3%
80.2%	4	4	0	-0.3%
81.5%	4	4	0	1.3%
82.7%	4	4	0	0.0%
84.0%	4	4	0	2.2%
85.2%	4	4	0	-0.4%
86.4%	4	4	0	0.4%
87.7%	4	4	0	-0.7%
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	1.8%
93.8%	4	4	0	2.6%
95.1%	4	4	0	1.7%
96.3%	4	4	0	4.5%
97.5%	4	4	0	2.2%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.6%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	10	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	-0.1%
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	0.1%
27.2%	7	7	0	-0.1%
28.4%	7	7	0	-0.2%
29.6%	7	7	0	0.0%
30.9%	6	6	0	0.2%
32.1%	6	6	0	0.2%
33.3%	6	6	0	0.0%
34.6%	6	6	0	1.5%
35.8%	6	6	0	1.2%
37.0%	6	6	0	1.0%
38.3%	6	6	0	1.5%
39.5%	6	6	0	0.9%
40.7%	6	6	0	0.0%
42.0%	6	6	0	0.0%
43.2%	6	6	0	0.1%
44.4%	6	6	0	0.8%
45.7%	6	6	0	0.1%
46.9%	6	6	0	3.1%
48.1%	6	6	0	2.3%
49.4%	6	6	0	0.6%
50.6%	6	6	0	1.9%
51.9%	5	6	0	1.9%
53.1%	5	5	0	0.9%
54.3%	5	5	0	1.6%
55.6%	5	5	0	1.6%
56.8%	5	5	0	1.3%
58.0%	5	5	0	4.0%
59.3%	5	5	0	1.2%
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	0.2%
67.9%	4	5	0	0.4%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	1.3%
75.3%	4	4	0	1.1%
76.5%	4	4	0	2.1%
77.8%	4	4	0	2.1%
79.0%	4	4	0	2.3%
80.2%	4	4	0	2.4%
81.5%	4	4	0	2.9%
82.7%	4	4	0	3.0%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.8%
86.4%	4	4	0	4.2%
87.7%	4	4	0	3.7%
88.9%	4	4	0	4.1%
90.1%	4	4	0	3.6%
91.4%	4	4	0	4.4%
92.6%	4	4	0	4.0%
93.8%	4	4	0	3.5%
95.1%	4	4	0	3.0%
96.3%	4	4	0	4.5%
97.5%	4	4	0	2.3%
98.8%	4	4	0	0.0%
100.0%	3	3	0	12.3%

Table SW-58-9b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.0%
19.8%	7	7	0	-1.9%
21.0%	7	7	0	-0.9%
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	-2.4%
27.2%	7	7	0	-3.9%
28.4%	7	7	0	0.0%
29.6%	6	6	0	0.0%
30.9%	6	6	0	0.0%
32.1%	6	6	0	0.0%
33.3%	6	6	0	-3.4%
34.6%	6	6	0	-0.8%
35.8%	6	6	0	-1.8%
37.0%	6	6	0	-1.6%
38.3%	6	6	0	-0.7%
39.5%	6	6	0	-0.6%
40.7%	6	6	0	-1.2%
42.0%	6	6	0	-1.5%
43.2%	6	6	0	-2.2%
44.4%	6	6	0	-3.8%
45.7%	6	6	0	-2.8%
46.9%	6	6	0	-2.3%
48.1%	6	5	0	-3.2%
49.4%	6	5	0	-3.8%
50.6%	6	5	0	-3.4%
51.9%	6	5	0	-5.4%
53.1%	6	5	0	-6.0%
54.3%	5	5	0	-6.1%
55.6%	5	5	0	-5.4%
56.8%	5	5	0	-5.7%
58.0%	5	5	0	-5.9%
59.3%	5	5	0	-5.2%
60.5%	5	5	0	-5.1%
61.7%	5	5	0	-5.1%
63.0%	5	5	0	-4.2%
64.2%	5	5	0	-3.6%
65.4%	5	5	0	-4.6%
66.7%	5	5	0	-4.0%
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%	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	-1.0%
84.0%	5	5	0	1.4%
85.2%	5	5	0	2.0%
86.4%	4	5	0	4.7%
87.7%	4	5	0	5.3%
88.9%	4	5	0	6.7%
90.1%	4	4	0	5.3%
91.4%	4	4	0	0.8%
92.6%	4	4	0	-0.8%
93.8%	4	4	0	0.6%
95.1%	4	4	0	0.5%
96.3%	4	4	0	-4.4%
97.5%	4	3	0	-8.8%
98.8%	3	3	0	-5.3%
100.0%	3	3	0	4.8%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D 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	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	-1.2%
17.3%	7	7	0	-1.4%
18.5%	7	7	0	-1.7%
19.8%	7	7	0	-3.5%
21.0%	7	7	0	-3.9%
22.2%	7	7	0	-4.0%
23.5%	7	7	0	-4.9%
24.7%	7	7	0	-5.0%
25.9%	7	7	0	-5.1%
27.2%	7	7	0	-5.6%
28.4%	7	7	0	-6.4%
29.6%	7	7	0	-6.6%
30.9%	7	7	-1	-7.4%
32.1%	7	7	-1	-7.4%
33.3%	7	7	-1	-7.3%
34.6%	7	7	0	-6.4%
35.8%	7	6	0	-6.4%
37.0%	7	6	0	-6.3%
38.3%	7	6	0	-6.1%
39.5%	7	6	0	-6.4%
40.7%	7	6	0	-6.5%
42.0%	7	6	0	-6.3%
43.2%	7	6	0	-5.2%
44.4%	7	6	0	-4.5%
45.7%	7	6	0	-5.3%
46.9%	6	6	0	-4.5%
48.1%	6	6	0	-4.6%
49.4%	6	6	0	-6.2%
50.6%	6	6	0	-4.8%
51.9%	6	6	0	-4.6%
53.1%	6	6	0	-4.9%
54.3%	6	6	0	-5.4%
55.6%	6	6	0	-3.9%
56.8%	6	6	0	-4.2%
58.0%	6	6	0	-3.6%
59.3%	6	6	0	-3.0%
60.5%	6	6	0	-2.0%
61.7%	6	6	0	-3.4%
63.0%	6	6	0	-3.7%
64.2%	6	6	0	-3.0%
65.4%	6	6	0	-3.2%
66.7%	6	6	0	-3.0%
67.9%	6	6	0	-2.8%
69.1%	6	6	0	-2.6%
70.4%	6	6	0	-2.3%
71.6%	6	6	0	-2.4%
72.8%	6	6	0	-1.8%
74.1%	6	6	0	-2.0%
75.3%	6	6	0	-2.0%
76.5%	6	6	0	-1.4%
77.8%	6	5	0	-1.7%
79.0%	6	5	0	-2.2%
80.2%	5	5	0	-2.7%
81.5%	5	5	0	-1.8%
82.7%	5	5	0	-7.1%
84.0%	5	5	0	-3.1%
85.2%	5	5	0	-5.3%
86.4%	5	5	0	-5.0%
87.7%	5	5	0	-4.5%
88.9%	5	5	0	-3.6%
90.1%	5	5	0	-4.2%
91.4%	5	4	0	-3.5%
92.6%	5	4	0	-2.2%
93.8%	4	4	0	-1.8%
95.1%	4	4	0	8.2%
96.3%	4	4	0	9.7%
97.5%	4	4	0	0.2%
98.8%	3	3	0	2.7%
100.0%	3	3	0	3.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-0.8%
2.5%	7	7	0	-0.1%
3.7%	7	7	0	-1.2%
4.9%	7	7	0	-0.4%
6.2%	7	7	0	-0.3%
7.4%	7	7	0	-0.4%
8.6%	7	6	0	-0.5%
9.9%	7	6	0	-0.4%
11.1%	7	6	0	-0.4%
12.3%	6	6	0	-0.9%
13.6%	6	6	0	-0.9%
14.8%	6	6	0	-1.4%
16.0%	6	6	0	-0.7%
17.3%	6	6	0	-0.9%
18.5%	6	6	0	0.4%
19.8%	6	6	0	-1.2%
21.0%	6	6	0	0.5%
22.2%	6	6	0	-1.3%
23.5%	6	6	0	-1.0%
24.7%	6	6	0	-0.9%
25.9%	6	6	0	-1.3%
27.2%	6	6	0	-1.0%
28.4%	6	6	0	-1.1%
29.6%	6	6	0	-0.8%
30.9%	6	6	0	-1.5%
32.1%	6	6	0	-1.5%
33.3%	6	6	0	0.7%
34.6%	6	6	0	1.3%
35.8%	6	6	0	1.2%
37.0%	6	6	0	0.8%
38.3%	6	6	0	-0.8%
39.5%	6	6	0	-0.1%
40.7%	6	6	0	1.0%
42.0%	6	6	0	1.0%
43.2%	6	6	0	0.6%
44.4%	6	6	0	0.2%
45.7%	6	6	0	0.5%
46.9%	5	6	0	0.5%
48.1%	5	6	0	1.5%
49.4%	5	6	0	1.5%
50.6%	5	6	0	2.5%
51.9%	5	5	0	2.0%
53.1%	5	5	0	1.6%
54.3%	5	5	0	1.3%
55.6%	5	5	0	1.4%
56.8%	5	5	0	0.1%
58.0%	5	5	0	-1.7%
59.3%	5	5	0	-2.3%
60.5%	5	5	0	-2.9%
61.7%	5	5	0	-3.1%
63.0%	5	5	0	-2.4%
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	1.6%
69.1%	5	5	0	3.9%
70.4%	5	5	0	3.0%
71.6%	5	5	0	1.4%
72.8%	5	5	0	0.6%
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	1.3%
79.0%	5	5	0	5.4%
80.2%	4	5	0	5.3%
81.5%	4	5	0	5.3%
82.7%	4	5	0	5.7%
84.0%	4	5	0	5.9%
85.2%	4	5	0	5.0%
86.4%	4	4	0	4.4%
87.7%	4	4	0	4.3%
88.9%	4	4	0	3.2%
90.1%	4	4	0	1.9%
91.4%	4	4	0	1.4%
92.6%	4	4	0	2.1%
93.8%	4	4	0	5.0%
95.1%	4	4	0	3.8%
96.3%	4	4	0	0.0%
97.5%	4	4	0	-1.3%
98.8%	4	4	0	-0.7%
100.0%	3	3	0	9.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-3.2%
2.5%	7	7	0	-4.2%
3.7%	7	7	0	-5.4%
4.9%	7	7	0	-5.9%
6.2%	7	7	0	-5.9%
7.4%	7	7	0	-5.6%
8.6%	7	7	0	-5.5%
9.9%	7	7	0	-5.5%
11.1%	7	7	0	-6.0%
12.3%	7	7	0	-5.8%
13.6%	7	7	0	-4.6%
14.8%	7	7	0	-4.4%
16.0%	7	7	0	-3.9%
17.3%	7	7	0	-3.5%
18.5%	7	6	0	-3.3%
19.8%	7	6	0	-3.3%
21.0%	7	6	0	-3.0%
22.2%	7	6	0	-2.8%
23.5%	7	6	0	-3.1%
24.7%	7	6	0	-2.8%
25.9%	7	6	0	-3.0%
27.2%	7	6	0	-2.3%
28.4%	6	6	0	-2.0%
29.6%	6	6	0	-1.8%
30.9%	6	6	0	-2.7%
32.1%	6	6	0	-4.3%
33.3%	6	6	0	-3.3%
34.6%	6	6	0	-2.4%
35.8%	6	6	0	-0.2%
37.0%	6	6	0	0.1%
38.3%	6	6	0	-0.4%
39.5%	6	6	0	-0.8%
40.7%	6	6	0	0.7%
42.0%	6	6	0	0.7%
43.2%	6	6	0	-0.3%
44.4%	6	6	0	1.0%
45.7%	5	6	0	1.5%
46.9%	5	6	0	0.8%
48.1%	5	5	0	0.2%
49.4%	5	5	0	3.0%
50.6%	5	5	0	2.8%
51.9%	5	5	0	2.3%
53.1%	5	5	0	2.1%
54.3%	5	5	0	1.9%
55.6%	5	5	0	1.5%
56.8%	5	5	0	-2.1%
58.0%	5	5	0	-2.3%
59.3%	5	5	0	-4.2%
60.5%	5	5	0	-6.0%
61.7%	5	5	0	-5.4%
63.0%	5	5	0	-4.3%
64.2%	5	5	0	-5.4%
65.4%	5	5	0	-5.2%
66.7%	5	5	0	-5.2%
67.9%	5	5	0	-4.3%
69.1%	5	5	0	-2.4%
70.4%	5	5	0	0.0%
71.6%	5	5	0	-0.1%
72.8%	5	5	0	-0.5%
74.1%	5	4	0	-3.0%
75.3%	5	4	0	-3.1%
76.5%	5	4	0	-2.8%
77.8%	5	4	0	-2.8%
79.0%	4	4	0	-0.2%
80.2%	4	4	0	-0.3%
81.5%	4	4	0	3.5%
82.7%	4	4	0	4.1%
84.0%	4	4	0	6.9%
85.2%	4	4	0	7.2%
86.4%	4	4	0	7.3%
87.7%	4	4	0	6.5%
88.9%	4	4	0	6.9%
90.1%	4	4	0	4.7%
91.4%	4	4	0	6.0%
92.6%	4	4	0	5.9%
93.8%	4	4	0	5.9%
95.1%	4	4	0	3.8%
96.3%	4	4	0	4.7%
97.5%	3	4	0	9.2%
98.8%	3	4	0	12.2%
100.0%	3	3	0	1.1%

Sacramento-San Joaquin Delta Operations

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table SQ-01-3a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	84	82	76	67	61	61	64	68	75	80	85	83
Alternative A	83	82	76	68	62	62	64	68	74	79	84	83
Difference	-1	0	0	1	1	1	0	0	0	-1	-1	-1
Percent Difference[3]	-0.7%	-0.2%	0.2%	1.1%	1.5%	1.3%	0.5%	0.1%	-0.5%	-1.5%	-1.4%	-1.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	74	73	71	54	50	52	55	58	65	74	83	74
Alternative A	74	73	72	54	51	52	55	58	65	73	82	73
Difference	0	0	1	0	0	0	0	0	0	-1	-1	0
Percent Difference	0.2%	0.2%	0.8%	0.7%	0.5%	0.3%	0.1%	0.0%	-0.5%	-1.6%	-1.1%	-0.4%
Above Normal (15%)												
No Action Alternative	80	78	73	62	55	54	59	63	73	78	84	74
Alternative A	80	78	74	63	55	54	59	63	72	77	82	74
Difference	0	0	1	1	1	0	0	0	0	-1	-1	-1
Percent Difference	-0.2%	0.0%	1.0%	1.5%	1.3%	0.8%	0.3%	0.1%	-0.5%	-1.9%	-1.5%	-0.7%
Below Normal (17%)												
No Action Alternative	90	85	75	72	61	63	65	69	77	81	85	89
Alternative A	88	84	75	74	62	65	65	69	76	80	84	88
Difference	-2	-1	-1	2	1	1	1	0	-1	-1	-1	-2
Percent Difference	-1.8%	-1.4%	-1.1%	2.2%	1.7%	1.9%	0.8%	0.0%	-0.8%	-1.8%	-1.7%	-2.0%
Dry (22%)												
No Action Alternative	91	89	79	77	70	67	70	75	81	85	87	90
Alternative A	90	89	79	78	71	69	71	75	80	83	85	88
Difference	-1	0	0	1	1	2	1	0	0	-1	-2	-1
Percent Difference	-1.1%	-0.3%	0.2%	0.8%	1.5%	2.3%	1.0%	0.2%	-0.5%	-1.5%	-1.8%	-1.6%
Critical (15%)												
No Action Alternative	93	92	88	82	76	75	78	83	86	88	89	91
Alternative A	92	92	88	82	78	76	78	83	86	87	89	91
Difference	-1	0	0	1	2	1	0	0	0	-1	-1	0
Percent Difference	-0.9%	0.3%	-0.2%	0.8%	2.6%	1.3%	0.2%	0.2%	-0.1%	-0.6%	-0.6%	-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 SQ-01-3b
X2, Monthly Position
Probability of Exceedance

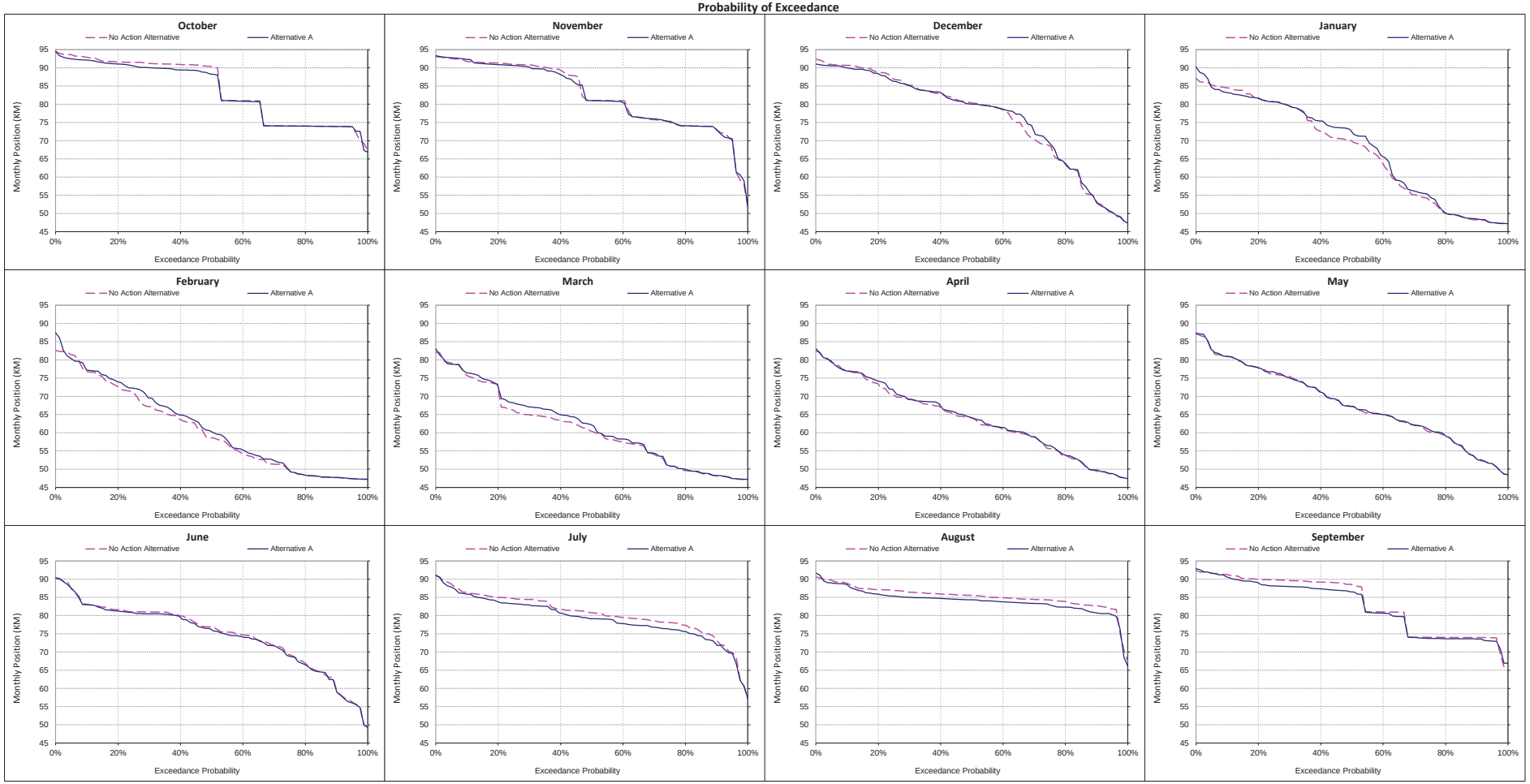

Table SQ-01-3b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95	94	0	-0.2%
1.2%	94	93	-1	-0.7%
2.5%	94	93	-1	-0.9%
3.7%	94	93	-1	-1.1%
4.9%	94	92	-1	-1.2%
6.2%	93	92	-1	-1.0%
7.4%	93	92	-1	-1.0%
8.6%	93	92	-1	-1.0%
9.9%	93	92	-1	-0.9%
11.1%	93	92	-1	-0.7%
12.3%	93	92	-1	-0.9%
13.6%	92	92	-1	-0.7%
14.8%	92	92	0	-0.4%
16.0%	92	91	0	-0.5%
17.3%	92	91	-1	-0.6%
18.5%	92	91	-1	-0.6%
19.8%	92	91	-1	-0.7%
21.0%	92	91	-1	-0.6%
22.2%	92	91	-1	-0.7%
23.5%	92	91	-1	-0.9%
24.7%	92	91	-1	-1.1%
25.9%	92	90	-1	-1.3%
27.2%	92	90	-1	-1.5%
28.4%	91	90	-1	-1.4%
29.6%	91	90	-1	-1.3%
30.9%	91	90	-1	-1.3%
32.1%	91	90	-1	-1.2%
33.3%	91	90	-1	-1.3%
34.6%	91	90	-1	-1.3%
35.8%	91	90	-1	-1.3%
37.0%	91	90	-1	-1.3%
38.3%	91	89	-1	-1.6%
39.5%	91	89	-2	-1.7%
40.7%	91	89	-1	-1.6%
42.0%	91	89	-1	-1.6%
43.2%	91	89	-2	-1.7%
44.4%	91	89	-1	-1.6%
45.7%	91	89	-2	-1.7%
46.9%	91	89	-2	-1.9%
48.1%	90	89	-2	-1.9%
49.4%	90	88	-2	-2.3%
50.6%	90	88	-2	-2.2%
51.9%	90	88	-2	-2.2%
53.1%	81	81	0	-0.2%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.1%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.2%
60.5%	81	81	0	-0.2%
61.7%	81	81	0	-0.2%
63.0%	81	81	0	-0.2%
64.2%	81	81	0	-0.3%
65.4%	81	81	0	-0.4%
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	-0.1%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.0%
87.7%	74	74	0	0.0%
88.9%	74	74	0	0.0%
90.1%	74	74	0	-0.1%
91.4%	74	74	0	-0.1%
92.6%	74	74	0	-0.1%
93.8%	74	74	0	-0.1%
95.1%	74	74	0	0.4%
96.3%	72	73	1	0.7%
97.5%	70	73	3	3.8%
98.8%	69	67	-2	-2.8%
100.0%	67	67	0	-0.6%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	93	93	0	0.4%
1.2%	93	93	0	0.1%
2.5%	93	93	0	0.1%
3.7%	93	93	0	0.2%
4.9%	93	93	0	0.3%
6.2%	92	93	0	0.2%
7.4%	92	93	0	0.2%
8.6%	92	93	0	0.3%
9.9%	92	92	1	0.6%
11.1%	92	92	1	0.6%
12.3%	92	91	0	-0.2%
13.6%	91	91	0	-0.3%
14.8%	91	91	0	-0.3%
16.0%	91	91	0	-0.4%
17.3%	91	91	0	-0.4%
18.5%	91	91	0	-0.4%
19.8%	91	91	0	-0.4%
21.0%	91	91	0	-0.4%
22.2%	91	91	0	-0.4%
23.5%	91	91	0	-0.3%
24.7%	91	91	0	-0.4%
25.9%	91	91	0	-0.4%
27.2%	91	90	0	-0.4%
28.4%	91	90	0	-0.5%
29.6%	91	90	0	-0.5%
30.9%	91	90	-1	-1.1%
32.1%	91	90	-1	-0.8%
33.3%	90	90	-1	-0.7%
34.6%	90	90	-1	-0.6%
35.8%	90	89	-1	-1.0%
37.0%	90	89	-1	-0.8%
38.3%	90	89	-1	-1.0%
39.5%	90	88	-1	-1.3%
40.7%	89	88	-1	-1.2%
42.0%	88	87	-1	-1.1%
43.2%	88	87	-1	-1.1%
44.4%	88	86	-2	-2.1%
45.7%	88	85	-2	-2.6%
46.9%	82	85	3	3.7%
48.1%	81	81	0	-0.3%
49.4%	81	81	0	-0.1%
50.6%	81	81	0	0.0%
51.9%	81	81	0	0.0%
53.1%	81	81	0	-0.1%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.1%
56.8%	81	81	0	-0.2%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.2%
60.5%	81	80	-1	-0.9%
61.7%	78	77	-1	-1.2%
63.0%	77	77	0	0.0%
64.2%	77	76	0	-0.1%
65.4%	76	76	0	-0.1%
66.7%	76	76	0	0.0%
67.9%	76	76	0	0.2%
69.1%	76	76	0	0.2%
70.4%	76	76	0	0.3%
71.6%	76	76	0	0.3%
72.8%	76	76	0	0.1%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.4%
76.5%	75	75	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.0%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	72	72	0	-0.5%
92.6%	72	71	-1	-1.6%
93.8%	71	71	0	-0.3%
95.1%	70	71	0	0.7%
96.3%	61	61	0	0.3%
97.5%	59	61	1	2.4%
98.8%	58	59	1	1.8%
100.0%	52	52	0	0.1%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	91	-1	-1.4%
1.2%	92	91	-1	-1.4%
2.5%	92	91	-1	-1.1%
3.7%	91	91	0	-0.4%
4.9%	91	91	0	-0.4%
6.2%	91	91	0	-0.3%
7.4%	91	91	0	-0.2%
8.6%	91	90	0	-0.5%
9.9%	91	90	-1	-0.7%
11.1%	91	90	-1	-0.9%
12.3%	91	90	-1	-1.1%
13.6%	90	90	-1	-0.6%
14.8%	90	90	0	-0.4%
16.0%	90	89	-1	-0.6%
17.3%	90	89	-1	-0.7%
18.5%	89	89	-1	-0.7%
19.8%	89	89	0	-0.2%
21.0%	89	88	-1	-0.9%
22.2%	89	88	-1	-1.0%
23.5%	88	87	-1	-1.3%
24.7%	87	86	-1	-0.7%
25.9%	87	86	-1	-0.6%
27.2%	87	86	-1	-1.0%
28.4%	86	86	0	0.1%
29.6%	85	85	0	-0.1%
30.9%	85	85	0	-0.5%
32.1%	85	84	0	-0.5%
33.3%	84	84	0	0.0%
34.6%	84	84	0	0.0%
35.8%	84	84	0	-0.1%
37.0%	83	84	0	0.3%
38.3%	83	83	0	0.4%
39.5%	83	83	0	0.5%
40.7%	83	83	0	0.3%
42.0%	82	82	0	-0.5%
43.2%	82	81	-1	-0.7%
44.4%	81	81	0	-0.5%
45.7%	81	81	0	-0.3%
46.9%	81	81	0	0.0%
48.1%	81	80	-1	-0.6%
49.4%	80	80	0	-0.4%
50.6%	80	80	0	-0.4%
51.9%	80	80	0	-0.2%
53.1%	80	80	0	-0.4%
54.3%	80	80	0	0.1%
55.6%	80	80	0	-0.1%
56.8%	79	79	0	-0.1%
58.0%	79	79	0	-0.2%
59.3%	79	79	0	0.2%
60.5%	78	79	0	0.3%
61.7%	78	78	1	0.9%
63.0%	76	78	2	3.0%
64.2%	75	77	2	3.0%
65.4%	75	77	2	3.0%
66.7%	73	76	3	4.1%
67.9%	72	75	3	4.2%
69.1%	71	74	3	4.9%
70.4%	70	72	2	2.2%
71.6%	69	71	2	2.9%
72.8%	69	71	2	3.3%
74.1%	69	70	1	1.7%
75.3%	68	69	1	0.9%
76.5%	65	68	2	3.4%
77.8%	65	65	0	-0.4%
79.0%	65	65	0	-0.2%
80.2%	63	63	0	0.7%
81.5%	62	62	0	0.0%
82.7%	62	62	0	0.4%
84.0%	62	62	0	0.6%
85.2%	57	58	1	1.9%
86.4%	56	57	2	3.4%
87.7%	55	56	1	1.0%
88.9%	55	55	0	-0.6%
90.1%	53	53	0	-0.3%
91.4%	52	52	0	-0.7%
92.6%	52	52	0	-0.4%
93.8%	51	51	0	0.5%
95.1%	50	50	0	0.2%
96.3%	49	49	0	0.6%
97.5%	49	49	0	0.2%
98.8%	48	48	0	0.4%
100.0%	47	47	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	90	3	3.7%
1.2%	86	89	3	3.0%
2.5%	86	88	2	2.6%
3.7%	86	87	1	1.3%
4.9%	85	85	-1	-0.6%
6.2%	85	84	-1	-1.1%
7.4%	85	84	-1	-0.9%
8.6%	85	83	-1	-1.6%
9.9%	85	83	-1	-1.5%
11.1%	84	83	-1	-1.5%
12.3%	84	83	-1	-1.5%
13.6%	84	83	-1	-1.4%
14.8%	84	82	-1	-1.7%
16.0%	83	82	-1	-0.8%
17.3%	83	82	-1	-1.1%
18.5%	82	82	0	-0.2%
19.8%	82	82	0	-0.2%
21.0%	81	81	0	0.1%
22.2%	81	81	0	0.1%
23.5%	81	81	0	-0.2%
24.7%	81	81	0	-0.2%
25.9%	81	81	0	0.0%
27.2%	81	80	0	-0.4%
28.4%	80	80	0	-0.1%
29.6%	80	80	0	-0.1%
30.9%	79	79	0	0.0%
32.1%	79	79	0	0.0%
33.3%	79	78	0	-0.3%
34.6%	78	78	0	-0.3%
35.8%	76	76	1	1.2%
37.0%	75	76	1	1.1%
38.3%	73	76	2	3.1%
39.5%	73	75	3	3.7%
40.7%	73	75	3	3.9%
42.0%	72	74	3	3.6%
43.2%	71	74	3	4.2%
44.4%	71	74	3	4.1%
45.7%	71	74	3	4.2%
46.9%	71	73	3	4.2%
48.1%	70	73	3	4.6%
49.4%	70	73	3	4.1%
50.6%	69	72	2	3.2%
51.9%	69	71	2	3.1%
53.1%	69	71	2	3.5%
54.3%	68	71	3	4.2%
55.6%	67	69	2	3.6%
56.8%	67	69	2	2.8%
58.0%	66	68	2	2.8%
59.3%	65	66	1	1.9%
60.5%	63	65	3	4.1%
61.7%	62	64	3	4.5%
63.0%	60	61	1	1.4%
64.2%	59	59	0	0.3%
65.4%	58	59	1	2.4%
66.7%	57	58	2	2.7%
67.9%	57	57	0	0.1%
69.1%	55	56	1	1.9%
70.4%	55	56	1	1.8%
71.6%	55	56	1	1.9%
72.8%	54	56	1	2.1%
74.1%	54	55	1	2.2%
75.3%	53	54	1	2.0%
76.5%	53	54	1	2.0%
77.8%	52	52	1	1.0%
79.0%	50	51	0	0.8%
80.2%	50	50	0	0.1%
81.5%	50	50	0	0.1%
82.7%	50	50	0	0.2%
84.0%	49	50	0	0.3%
85.2%	49	49	0	0.4%
86.4%	49	49	0	-0.1%
87.7%	48	49	0	0.4%
88.9%	48	49	0	0.7%
90.1%	48	48	0	0.4%
91.4%	48	48	0	0.3%
92.6%	48	48	0	0.3%
93.8%	48	48	0	-0.1%
95.1%	47	47	0	0.1%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

Table SQ-01-3b

X2, Monthly Position

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	83	87	5	5.9%
1.2%	82	86	4	4.5%
2.5%	82	83	0	0.3%
3.7%	82	81	-1	-1.2%
4.9%	81	80	-1	-1.4%
6.2%	81	80	-2	-1.9%
7.4%	80	80	0	-0.2%
8.6%	78	79	1	1.9%
9.9%	77	77	0	0.4%
11.1%	77	77	0	0.6%
12.3%	77	77	0	0.4%
13.6%	76	77	1	1.4%
14.8%	75	76	0	0.6%
16.0%	74	76	1	2.0%
17.3%	74	75	1	1.3%
18.5%	73	75	1	1.8%
19.8%	73	74	1	1.7%
21.0%	72	74	2	2.6%
22.2%	72	73	1	1.8%
23.5%	71	72	1	1.2%
24.7%	71	72	1	1.4%
25.9%	70	72	2	2.9%
27.2%	68	72	3	5.1%
28.4%	67	71	4	5.3%
29.6%	67	70	2	3.7%
30.9%	67	69	2	3.4%
32.1%	66	68	2	2.8%
33.3%	66	68	1	2.2%
34.6%	66	67	2	2.6%
35.8%	65	67	2	3.0%
37.0%	65	66	2	2.4%
38.3%	65	65	1	1.0%
39.5%	64	65	1	1.7%
40.7%	63	65	2	2.5%
42.0%	63	64	2	2.5%
43.2%	63	64	1	1.8%
44.4%	63	63	1	1.0%
45.7%	61	63	2	3.2%
46.9%	61	61	0	0.8%
48.1%	59	61	2	3.2%
49.4%	59	61	2	3.4%
50.6%	59	60	1	2.4%
51.9%	58	60	1	2.4%
53.1%	58	59	1	2.5%
54.3%	58	59	1	1.8%
55.6%	56	57	1	1.5%
56.8%	55	56	0	0.8%
58.0%	55	56	0	0.8%
59.3%	55	56	1	1.8%
60.5%	54	55	1	2.1%
61.7%	54	54	1	1.4%
63.0%	53	54	1	1.4%
64.2%	53	54	1	2.0%
65.4%	53	54	1	1.7%
66.7%	53	53	0	0.3%
67.9%	51	53	1	2.5%
69.1%	51	53	1	2.5%
70.4%	51	52	1	1.6%
71.6%	51	52	1	1.0%
72.8%	51	52	0	1.0%
74.1%	50	50	0	0.3%
75.3%	49	49	0	-0.1%
76.5%	49	49	0	0.0%
77.8%	49	49	0	0.2%
79.0%	49	49	0	0.0%
80.2%	48	48	0	0.1%
81.5%	48	48	0	0.1%
82.7%	48	48	0	0.2%
84.0%	48	48	0	0.1%
85.2%	48	48	0	0.1%
86.4%	48	48	0	0.1%
87.7%	48	48	0	0.1%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.2%
93.8%	47	47	0	0.0%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	1	1.1%
1.2%	82	81	-1	-0.8%
2.5%	80	80	1	0.8%
3.7%	79	79	0	-0.6%
4.9%	79	79	0	-0.4%
6.2%	79	79	0	-0.4%
7.4%	79	79	0	0.3%
8.6%	77	77	0	0.0%
9.9%	76	76	1	1.0%
11.1%	75	76	1	1.4%
12.3%	75	76	1	1.5%
13.6%	74	76	1	1.8%
14.8%	74	75	1	1.2%
16.0%	74	75	1	0.9%
17.3%	74	74	1	0.7%
18.5%	74	74	0	0.4%
19.8%	73	73	0	-0.2%
21.0%	67	69	2	3.6%
22.2%	67	69	2	3.3%
23.5%	66	68	2	3.1%
24.7%	66	68	2	3.0%
25.9%	66	68	2	3.6%
27.2%	65	68	2	3.5%
28.4%	65	67	2	3.7%
29.6%	65	67	2	3.3%
30.9%	65	67	2	3.5%
32.1%	65	67	2	3.3%
33.3%	65	67	2	3.5%
34.6%	64	67	2	3.2%
35.8%	64	66	2	3.2%
37.0%	64	66	2	3.4%
38.3%	64	66	2	3.1%
39.5%	63	65	2	2.5%
40.7%	63	65	2	2.8%
42.0%	63	65	2	2.8%
43.2%	63	64	1	2.3%
44.4%	62	64	2	3.2%
45.7%	62	64	2	2.7%
46.9%	61	63	1	2.1%
48.1%	61	63	1	2.3%
49.4%	61	62	2	2.8%
50.6%	60	62	2	2.7%
51.9%	60	60	0	0.5%
53.1%	60	60	0	0.1%
54.3%	58	59	1	1.2%
55.6%	58	59	1	1.5%
56.8%	58	59	1	1.6%
58.0%	58	58	1	1.1%
59.3%	58	58	1	1.3%
60.5%	57	58	1	1.6%
61.7%	57	58	1	1.7%
63.0%	57	57	0	0.5%
64.2%	57	57	0	0.7%
65.4%	57	57	0	0.8%
66.7%	56	57	0	0.8%
67.9%	54	55	0	0.1%
69.1%	54	55	0	0.3%
70.4%	54	54	0	0.7%
71.6%	53	54	0	0.8%
72.8%	53	54	1	1.0%
74.1%	51	51	0	0.6%
75.3%	51	51	0	0.0%
76.5%	51	51	0	0.0%
77.8%	50	50	0	0.0%
79.0%	50	50	0	0.7%
80.2%	50	50	0	0.8%
81.5%	50	49	0	-0.2%
82.7%	49	49	0	-0.1%
84.0%	49	49	0	0.5%
85.2%	49	49	0	0.2%
86.4%	49	49	0	0.5%
87.7%	49	49	0	0.5%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.3%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	1	0.8%
1.2%	82	82	0	-0.3%
2.5%	80	81	0	0.2%
3.7%	80	80	0	0.1%
4.9%	79	80	0	0.4%
6.2%	79	79	0	-0.5%
7.4%	78	78	-1	-0.7%
8.6%	77	77	0	-0.2%
9.9%	77	77	0	-0.5%
11.1%	77	77	0	0.0%
12.3%	77	77	0	-0.4%
13.6%	77	76	0	-0.4%
14.8%	76	76	0	0.4%
16.0%	75	75	1	1.0%
17.3%	74	75	1	1.0%
18.5%	74	75	1	1.3%
19.8%	74	74	1	0.9%
21.0%	72	74	2	2.4%
22.2%	72	74	1	2.0%
23.5%	71	72	1	1.8%
24.7%	71	72	1	2.0%
25.9%	70	71	1	1.0%
27.2%	70	70	1	0.7%
28.4%	70	70	0	0.5%
29.6%	69	69	0	0.0%
30.9%	69	69	0	0.1%
32.1%	69	69	0	-0.3%
33.3%	68	69	0	0.3%
34.6%	68	69	1	1.0%
35.8%	68	69	1	1.0%
37.0%	68	68	1	1.1%
38.3%	67	68	1	1.6%
39.5%	67	68	1	1.0%
40.7%	66	66	0	0.4%
42.0%	66	66	0	0.5%
43.2%	66	66	0	0.6%
44.4%	65	66	1	1.5%
45.7%	65	65	1	0.8%
46.9%	64	65	1	0.8%
48.1%	64	65	0	0.6%
49.4%	64	64	0	0.1%
50.6%	64	64	0	-0.3%
51.9%	63	64	1	1.0%
53.1%	62	63	1	2.0%
54.3%	62	62	0	0.5%
55.6%	62	62	0	0.6%
56.8%	62	62	0	0.1%
58.0%	62	62	0	0.0%
59.3%	61	61	0	0.4%
60.5%	61	61	1	1.1%
61.7%	61	61	0	0.2%
63.0%	60	61	0	0.5%
64.2%	60	60	0	0.6%
65.4%	60	60	0	0.6%
66.7%	60	60	0	0.8%
67.9%	59	60	0	0.2%
69.1%	59	59	0	-0.2%
70.4%	59	59	0	0.1%
71.6%	58	58	0	-0.1%
72.8%	57	57	0	0.2%
74.1%	56	57	1	1.4%
75.3%	56	56	1	1.4%
76.5%	55	56	0	0.7%
77.8%	55	55	0	0.0%
79.0%	54	54	0	0.9%
80.2%	54	54	0	0.0%
81.5%	53	54	1	1.0%
82.7%	53	53	0	0.8%
84.0%	53	53	0	-0.1%
85.2%	52	52	0	0.3%
86.4%	51	51	0	0.2%
87.7%	50	50	0	0.1%
88.9%	50	50	0	0.0%
90.1%	49	50	0	0.7%
91.4%	49	49	0	0.1%
92.6%	49	49	0	0.1%
93.8%	49	49	0	0.1%
95.1%	49	49	0	0.2%
96.3%	48	48	0	0.0%
97.5%	48	48	0	0.0%
98.8%	48	48	0	0.0%
100.0%	47	47	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	87	0	0.2%
1.2%	87	87	0	0.4%
2.5%	86	87	1	0.7%
3.7%	85	85	0	-0.1%
4.9%	83	83	0	0.1%
6.2%	81	82	1	0.6%
7.4%	81	82	0	0.3%
8.6%	81	81	0	0.1%
9.9%	81	81	0	0.0%
11.1%	81	81	0	0.1%
12.3%	81	80	0	-0.1%
13.6%	80	80	0	0.3%
14.8%	79	79	0	0.0%
16.0%	79	78	0	-0.2%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	0.0%
19.8%	78	78	0	-0.2%
21.0%	77	78	0	0.3%
22.2%	77	77	0	-0.5%
23.5%	76	77	1	0.7%
24.7%	76	77	1	0.9%
25.9%	76	76	0	0.4%
27.2%	76	76	0	0.6%
28.4%	76	75	0	-0.3%
29.6%	76	75	-1	-0.7%
30.9%	75	75	0	-0.3%
32.1%	75	74	0	-0.4%
33.3%	74	74	0	-0.6%
34.6%	74	74	0	0.0%
35.8%	73	73	0	0.2%
37.0%	73	73	0	-0.1%
38.3%	72	72	0	0.0%
39.5%	72	71	0	-0.3%
40.7%	71	71	0	-0.1%
42.0%	70	70	0	-0.1%
43.2%	69	69	0	0.0%
44.4%	69	69	0	0.4%
45.7%	69	69	0	-0.3%
46.9%	68	68	0	-0.1%
48.1%	68	67	0	-0.5%
49.4%	67	67	0	-0.1%
50.6%	67	67	0	-0.1%
51.9%	66	66	0	0.1%
53.1%	66	66	0	0.4%
54.3%	65	66	1	1.2%
55.6%	65	66	0	0.4%
56.8%	65	65	0	0.0%
58.0%	65	65	0	0.2%
59.3%	65	65	0	0.0%
60.5%	65	65	0	0.1%
61.7%	65	65	0	-0.4%
63.0%	64	64	0	0.2%
64.2%	64	64	0	0.0%
65.4%	63	63	0	0.3%
66.7%	63	63	0	0.3%
67.9%	63	63	0	0.5%
69.1%	62	62	0	0.1%
70.4%	62	62	0	-0.2%
71.6%	62	62	0	0.3%
72.8%	61	62	0	0.6%
74.1%	60	61	1	1.3%
75.3%	60	61	0	0.7%
76.5%	60	60	0	0.1%
77.8%	60	60	0	0.5%
79.0%	59	60	0	0.8%
80.2%	59	59	0	-0.3%
81.5%	58	59	0	0.1%
82.7%	57	57	0	0.0%
84.0%	57	57	0	0.1%
85.2%	57	56	0	-0.6%
86.4%	55	55	0	-0.1%
87.7%	54	54	0	0.1%
88.9%	54	54	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	52	0	-0.5%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.1%
95.1%	51	51	0	0.1%
96.3%	51	51	0	0.0%
97.5%	49	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	48	49	0	0.1%

Table SQ-01-3b

X2, Monthly Position

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	90	90	0	0.3%
1.2%	90	90	0	0.3%
2.5%	89	89	0	-0.1%
3.7%	89	89	-1	-1.0%
4.9%	87	88	0	0.2%
6.2%	86	87	0	0.2%
7.4%	85	85	0	-0.6%
8.6%	83	83	0	-0.4%
9.9%	83	83	0	-0.2%
11.1%	83	83	0	-0.1%
12.3%	83	83	0	-0.1%
13.6%	83	82	0	-0.3%
14.8%	82	82	0	-0.3%
16.0%	82	82	-1	-0.9%
17.3%	82	81	0	-0.4%
18.5%	82	81	0	-0.4%
19.8%	82	81	0	-0.4%
21.0%	82	81	0	-0.6%
22.2%	81	81	0	-0.4%
23.5%	81	81	0	-0.2%
24.7%	81	81	0	-0.3%
25.9%	81	81	0	-0.6%
27.2%	81	81	0	-0.6%
28.4%	81	81	-1	-0.6%
29.6%	81	80	-1	-0.6%
30.9%	81	80	-1	-0.6%
32.1%	81	80	-1	-0.6%
33.3%	81	80	0	-0.6%
34.6%	81	80	-1	-0.6%
35.8%	81	80	-1	-0.7%
37.0%	80	80	0	-0.3%
38.3%	80	80	0	-0.5%
39.5%	80	80	0	-0.3%
40.7%	80	79	-1	-1.2%
42.0%	79	79	0	-0.6%
43.2%	79	78	-1	-1.1%
44.4%	78	78	0	-0.4%
45.7%	78	77	-1	-0.8%
46.9%	77	77	0	-0.5%
48.1%	77	76	0	-0.6%
49.4%	77	76	0	-0.6%
50.6%	77	76	-1	-1.4%
51.9%	76	76	0	-0.6%
53.1%	76	75	0	-0.4%
54.3%	75	75	0	-0.6%
55.6%	75	75	-1	-1.1%
56.8%	75	74	-1	-1.2%
58.0%	75	74	0	-0.7%
59.3%	75	74	-1	-0.7%
60.5%	75	74	-1	-0.9%
61.7%	75	74	-1	-0.9%
63.0%	74	74	-1	-1.2%
64.2%	73	73	0	0.0%
65.4%	73	73	0	-0.1%
66.7%	73	73	0	-0.6%
67.9%	73	72	-1	-1.1%
69.1%	72	72	0	-0.3%
70.4%	72	72	0	-0.1%
71.6%	72	71	-1	-0.7%
72.8%	71	70	-1	-0.9%
74.1%	69	69	0	-0.5%
75.3%	69	69	0	-0.6%
76.5%	69	69	0	-0.1%
77.8%	68	67	-1	-0.8%
79.0%	68	67	-1	-1.0%
80.2%	67	66	0	-0.6%
81.5%	66	66	0	-0.3%
82.7%	65	65	0	-0.6%
84.0%	65	65	0	-0.1%
85.2%	65	65	0	0.0%
86.4%	64	64	1	1.1%
87.7%	63	62	-1	-1.0%
88.9%	63	62	0	-0.7%
90.1%	59	59	0	-0.4%
91.4%	58	58	0	-0.1%
92.6%	57	57	0	-0.4%
93.8%	57	56	-1	-1.2%
95.1%	56	56	0	-0.5%
96.3%	56	56	0	-0.2%
97.5%	55	55	0	-0.4%
98.8%	50	50	0	0.1%
100.0%	49	49	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	91	0	0.2%
1.2%	91	90	0	-0.2%
2.5%	89	89	0	-0.4%
3.7%	89	88	-1	-1.2%
4.9%	89	88	-1	-0.9%
6.2%	88	87	-1	-0.6%
7.4%	87	86	-1	-1.2%
8.6%	86	86	0	-0.4%
9.9%	86	86	0	-0.5%
11.1%	86	86	0	-0.3%
12.3%	86	85	-1	-0.9%
13.6%	86	85	-1	-1.0%
14.8%	86	85	-1	-1.0%
16.0%	86	85	-1	-1.0%
17.3%	85	84	-1	-1.1%
18.5%	85	84	-1	-1.0%
19.8%	85	84	-1	-1.4%
21.0%	85	84	-1	-1.7%
22.2%	85	83	-1	-1.7%
23.5%	85	83	-1	-1.7%
24.7%	85	83	-1	-1.7%
25.9%	85	83	-1	-1.5%
27.2%	85	83	-1	-1.6%
28.4%	84	83	-1	-1.7%
29.6%	84	83	-1	-1.7%
30.9%	84	83	-2	-2.0%
32.1%	84	83	-2	-1.9%
33.3%	84	83	-1	-1.7%
34.6%	84	83	-1	-1.7%
35.8%	84	83	-1	-1.6%
37.0%	82	82	-1	-0.8%
38.3%	82	82	0	-0.4%
39.5%	82	81	-1	-1.2%
40.7%	82	81	-1	-1.4%
42.0%	81	80	-1	-1.5%
43.2%	81	80	-2	-1.8%
44.4%	81	80	-2	-1.9%
45.7%	81	80	-2	-2.0%
46.9%	81	79	-2	-2.1%
48.1%	81	79	-2	-2.2%
49.4%	81	79	-2	-2.0%
50.6%	81	79	-2	-2.0%
51.9%	81	79	-2	-1.9%
53.1%	81	79	-2	-1.9%
54.3%	80	79	-1	-1.1%
55.6%	80	79	-1	-1.1%
56.8%	80	79	-1	-1.2%
58.0%	80	78	-2	-2.3%
59.3%	80	78	-2	-2.1%
60.5%	79	78	-2	-2.0%
61.7%	79	78	-2	-2.3%
63.0%	79	77	-2	-2.3%
64.2%	79	77	-2	-2.3%
65.4%	79	77	-2	-2.2%
66.7%	79	77	-2	-2.1%
67.9%	79	77	-2	-2.1%
69.1%	79	77	-2	-2.2%
70.4%	79	77	-2	-2.3%
71.6%	78	77	-2	-2.0%
72.8%	78	76	-2	-2.3%
74.1%	78	76	-2	-2.1%
75.3%	78	76	-2	-2.4%
76.5%	78	76	-2	-2.3%
77.8%	78	76	-2	-2.4%
79.0%	77	76	-2	-2.3%
80.2%	77	76	-2	-2.2%
81.5%	77	75	-2	-2.0%
82.7%	77	75	-2	-2.1%
84.0%	76	75	-2	-2.2%
85.2%	75	74	-1	-1.3%
86.4%	75	73	-2	-2.1%
87.7%	75	73	-2	-2.1%
88.9%	74	73	-1	-1.8%
90.1%	73	72	-1	-1.6%
91.4%	72	72	0	-0.2%
92.6%	72	71	-1	-1.6%
93.8%	70	70	0	-0.6%
95.1%	70	70	0	-0.2%
96.3%	68	67	-2	-2.2%
97.5%	62	62	0	-0.2%
98.8%	61	61	0	0.0%
100.0%	57	57	0	0.1%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	92	1	1.1%
1.2%	90	91	1	0.9%
2.5%	90	90	0	-0.5%
3.7%	90	89	-1	-0.9%
4.9%	90	89	-1	-0.9%
6.2%	89	89	0	-0.5%
7.4%	89	89	0	-0.5%
8.6%	89	89	0	-0.4%
9.9%	89	89	0	-0.4%
11.1%	88	88	-1	-0.9%
12.3%	88	87	-1	-0.9%
13.6%	87	87	-1	-0.6%
14.8%	87	87	-1	-0.7%
16.0%	87	86	-1	-1.3%
17.3%	87	86	-1	-1.4%
18.5%	87	86	-1	-1.3%
19.8%	87	86	-1	-1.4%
21.0%	87	86	-1	-1.7%
22.2%	87	86	-2	-1.8%
23.5%	87	85	-2	-1.9%
24.7%	87	85	-2	-1.8%
25.9%	87	85	-2	-1.9%
27.2%	87	85	-2	-1.9%
28.4%	87	85	-2	-1.8%
29.6%	86	85	-1	-1.6%
30.9%	86	85	-1	-1.7%
32.1%	86	85	-1	-1.7%
33.3%	86	85	-1	-1.7%
34.6%	86	85	-1	-1.6%
35.8%	86	85	-1	-1.4%
37.0%	86	85	-1	-1.4%
38.3%	86	85	-1	-1.4%
39.5%	86	85	-1	-1.4%
40.7%	86	85	-1	-1.5%
42.0%	86	85	-1	-1.4%
43.2%	86	85	-1	-1.5%
44.4%	86	85	-1	-1.4%
45.7%	86	84	-1	-1.4%
46.9%	86	84	-1	-1.4%
48.1%	86	84	-1	-1.4%
49.4%	86	84	-1	-1.4%
50.6%	86	84	-1	-1.4%
51.9%	85	84	-1	-1.4%
53.1%	85	84	-1	-1.6%
54.3%	85	84	-1	-1.4%
55.6%	85	84	-1	-1.2%
56.8%	85	84	-1	-1.2%
58.0%	85	84	-1	-1.2%
59.3%	85	84	-1	-1.3%
60.5%	85	84	-1	-1.4%
61.7%	85	84	-1	-1.3%
63.0%	85	84	-1	-1.4%
64.2%	85	84	-1	-1.3%
65.4%	85	84	-1	-1.2%
66.7%	85	84	-1	-1.2%
67.9%	85	83	-1	-1.3%
69.1%	84	83	-1	-1.4%
70.4%	84	83	-1	-1.3%
71.6%	84	83	-1	-1.3%
72.8%	84	83	-1	-1.3%
74.1%	84	83	-1	-1.3%
75.3%	84	83	-1	-1.7%
76.5%	84	83	-2	-1.8%
77.8%	84	82	-2	-1.9%
79.0%	84	82	-2	-1.9%
80.2%	84	82	-2	-1.8%
81.5%	84	82	-1	-1.5%
82.7%	83	82	-1	-1.4%
84.0%	83	82	-1	-1.4%
85.2%	83	82	-1	-1.3%
86.4%	83	81	-1	-1.7%
87.7%	83	81	-2	-2.2%
88.9%	83	81	-2	-2.3%
90.1%	83	81	-2	-2.3%
91.4%	83	81	-2	-2.4%
92.6%	82	81	-2	-2.2%
93.8%	82	81	-1	-1.7%
95.1%	82	80	-2	-2.0%
96.3%	82	80	-2	-2.4%
97.5%	75	76	1	1.6%
98.8%	70	69	-2	-2.7%
100.0%	67	66	-1	-1.9%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	93	0	0.5%
1.2%	92	93	1	0.7%
2.5%	92	92	0	0.1%
3.7%	92	92	0	0.0%
4.9%	92	92	0	-0.1%
6.2%	92	92	0	0.0%
7.4%	91	91	0	-0.2%
8.6%	91	91	0	-0.2%
9.9%	91	91	-1	-0.7%
11.1%	91	90	-1	-0.8%
12.3%	91	90	-1	-1.0%
13.6%	91	90	-1	-1.1%
14.8%	90	90	-1	-0.7%
16.0%	90	89	-1	-0.7%
17.3%	90	89	-1	-0.7%
18.5%	90	89	-1	-0.9%
19.8%	90	89	-1	-1.0%
21.0%	90	88	-1	-1.6%
22.2%	90	88	-1	-1.6%
23.5%	90	88	-2	-1.8%
24.7%	90	88	-2	-1.8%
25.9%	90	88	-2	-1.9%
27.2%	90	88	-2	-1.9%
28.4%	90	88	-2	-1.9%
29.6%	90	88	-2	-1.9%
30.9%	90	88	-2	-1.8%
32.1%	90	88	-2	-1.8%
33.3%	90	88	-2	-1.9%
34.6%	89	88	-2	-1.8%
35.8%	89	88	-2	-1.8%
37.0%	89	87	-2	-2.0%
38.3%	89	87	-2	-2.0%
39.5%	89	87	-2	-2.0%
40.7%	89	87	-2	-2.2%
42.0%	89	87	-2	-2.3%
43.2%	89	87	-2	-2.3%
44.4%	89	87	-2	-2.3%
45.7%	89	87	-2	-2.4%
46.9%	89	87	-2	-2.4%
48.1%	89	87	-2	-2.0%
49.4%	89	87	-2	-2.3%
50.6%	89	86	-2	-2.3%
51.9%	88	86	-2	-2.4%
53.1%	88	86	-2	-2.3%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.3%
56.8%	81	81	0	-0.3%
58.0%	81	81	0	-0.4%
59.3%	81	81	0	-0.4%
60.5%	81	81	0	-0.4%
61.7%	81	81	0	-0.4%
63.0%	81	80	-1	-1.3%
64.2%	81	80	-1	-1.5%
65.4%	81	80	-1	-1.4%
66.7%	81	80	-1	-1.5%
67.9%	74	74	0	-0.1%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	-0.2%
72.8%	74	74	0	-0.4%
74.1%	74	74	0	-0.4%
75.3%	74	74	0	-0.4%
76.5%	74	74	0	-0.4%
77.8%	74	74	0	-0.4%
79.0%	74	74	0	-0.5%
80.2%	74	74	0	-0.5%
81.5%	74	74	0	-0.5%
82.7%	74	74	0	-0.5%
84.0%	74	74	0	-0.5%
85.2%	74	74	0	-0.5%
86.4%	74	74	0	-0.5%
87.7%	74	74	0	-0.5%
88.9%	74	74	0	-0.5%
90.1%	74	74	0	-0.5%
91.4%	74	74	0	-0.5%
92.6%	74	73	-1	-1.1%
93.8%	74	73	-1	-1.2%
95.1%	74	73	-1	-1.2%
96.3%	74	73	-1	-1.3%
97.5%	69	71	1	2.0%
98.8%	66	67	1	1.7%
100.0%	66	67	1	1.7%

Table SW-30-3a
Sacramento River below Hood, 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	11,090	15,637	23,085	31,464	36,638	32,437	23,161	18,934	16,432	19,394	15,017	17,468
Alternative A	11,783	16,342	22,688	30,467	35,571	31,345	22,949	18,942	16,919	20,509	15,842	18,517
Difference	693	705	-397	-997	-1,067	-1,092	-212	8	487	1,115	825	1,049
Percent Difference[3]	6.3%	4.5%	-1.7%	-3.2%	-2.9%	-3.4%	-0.9%	0.0%	3.0%	5.7%	5.5%	6.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,254	20,448	25,546	50,572	56,773	49,415	37,942	31,711	23,757	19,905	15,936	27,532
Alternative A	14,555	20,946	24,847	50,012	56,013	49,156	37,799	31,752	24,451	20,944	16,137	28,334
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%	1.3%	2.9%
Above Normal (15%)												
No Action Alternative	11,852	17,371	24,240	38,344	44,715	43,864	25,957	20,686	16,426	21,849	16,444	20,562
Alternative A	12,472	18,578	22,975	36,624	43,234	43,158	25,575	20,604	16,836	23,410	16,606	21,312
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	11,660	16,189	27,523	22,900	30,837	23,218	17,387	13,871	13,510	21,231	15,698	12,163
Alternative A	12,444	17,205	27,995	20,714	30,039	21,362	17,169	13,686	14,236	22,345	16,278	13,774
Difference	784	1,016	473	-2,186	-797	-1,856	-219	-186	726	1,114	580	1,611
Percent Difference	6.7%	6.3%	1.7%	-9.5%	-2.6%	-8.0%	-1.3%	-1.3%	5.4%	5.2%	3.7%	13.2%
Dry (22%)												
No Action Alternative	9,410	12,351	22,276	17,301	21,246	20,381	13,092	10,752	12,410	19,039	15,709	11,163
Alternative A	9,446	13,154	22,284	16,532	19,773	18,044	12,713	10,867	12,675	20,217	17,248	12,347
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%	-4.4%	-6.9%	-11.5%	-2.9%	1.1%	2.1%	6.2%	9.8%	10.6%
Critical (15%)												
No Action Alternative	7,492	7,764	12,634	14,417	14,795	13,062	10,180	7,679	10,009	14,221	9,766	8,216
Alternative A	7,822	7,907	12,137	14,240	13,769	12,538	10,247	7,773	10,178	14,962	11,820	9,240
Difference	329	143	-498	-178	-1,026	-524	67	93	168	741	2,054	1,024
Percent Difference	4.4%	1.8%	-3.9%	-1.2%	-6.9%	-4.0%	0.7%	1.2%	1.7%	5.2%	21.0%	12.5%

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-30-3b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

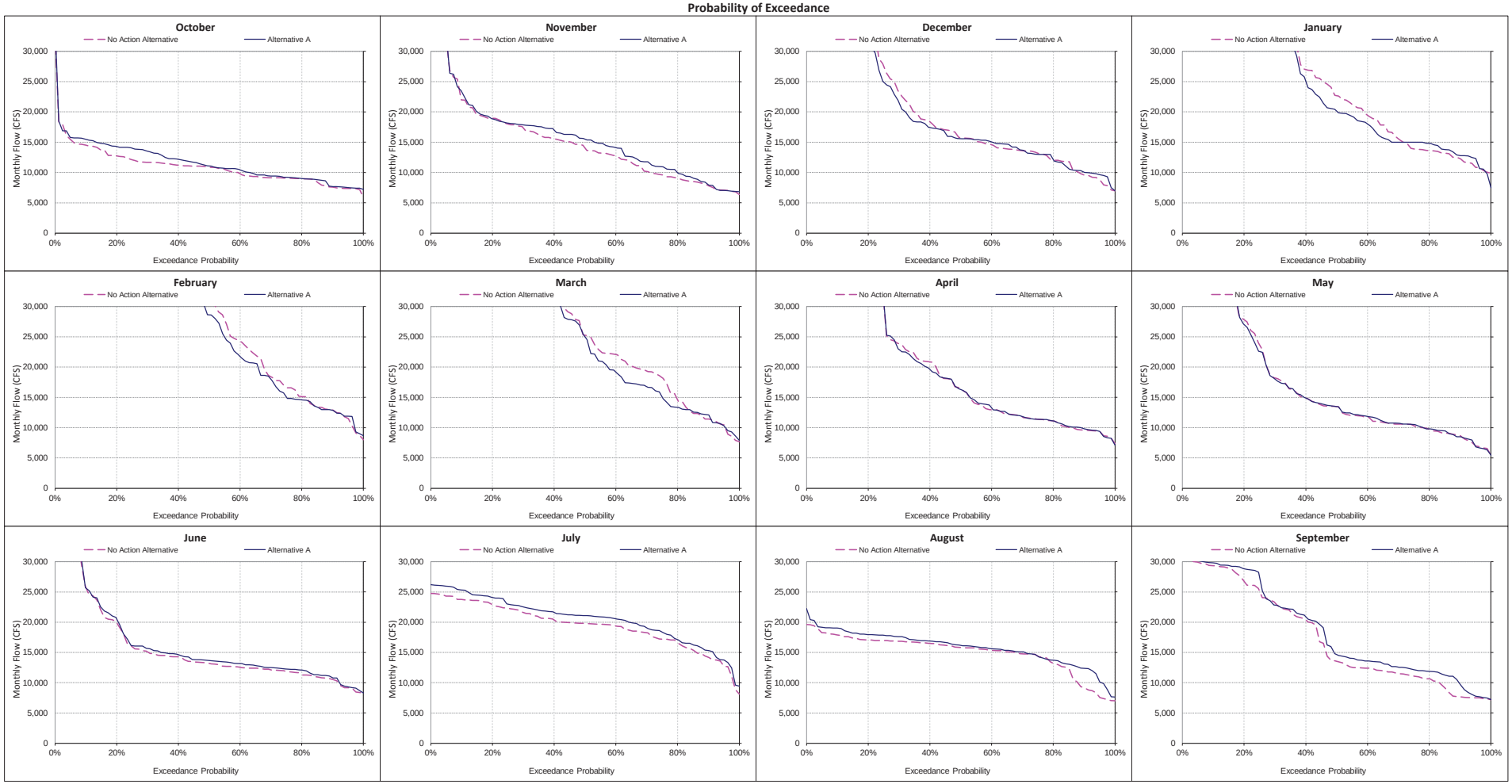

Table SW-30-3b

Sacramento River below Hood, 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%	33,212	35,269	2,057	6.2%
1.2%	18,350	18,524	174	0.9%
2.5%	17,907	16,892	-1,015	-5.7%
3.7%	16,142	16,881	738	4.6%
4.9%	15,513	15,811	299	1.9%
6.2%	14,917	15,726	808	5.4%
7.4%	14,692	15,720	1,028	7.0%
8.6%	14,649	15,680	1,031	7.0%
9.9%	14,537	15,493	956	6.6%
11.1%	14,364	15,318	954	6.6%
12.3%	14,328	15,235	907	6.3%
13.6%	14,144	14,963	819	5.8%
14.8%	13,736	14,829	1,093	8.0%
16.0%	13,710	14,745	1,035	7.5%
17.3%	12,820	14,562	1,742	13.6%
18.5%	12,813	14,353	1,540	12.0%
19.8%	12,788	14,336	1,548	12.1%
21.0%	12,667	14,166	1,499	11.8%
22.2%	12,610	14,162	1,552	12.3%
23.5%	12,416	14,154	1,738	14.0%
24.7%	12,162	14,055	1,893	15.6%
25.9%	11,959	13,876	1,916	16.0%
27.2%	11,786	13,807	2,020	17.1%
28.4%	11,717	13,764	2,046	17.5%
29.6%	11,694	13,565	1,871	16.0%
30.9%	11,685	13,396	1,711	14.6%
32.1%	11,683	13,181	1,499	12.8%
33.3%	11,660	13,136	1,476	12.7%
34.6%	11,546	12,839	1,293	11.2%
35.8%	11,474	12,491	1,017	8.9%
37.0%	11,445	12,290	845	7.4%
38.3%	11,321	12,282	962	8.5%
39.5%	11,221	12,231	1,010	9.0%
40.7%	11,178	12,091	912	8.2%
42.0%	11,112	11,974	862	7.8%
43.2%	11,079	11,845	767	6.9%
44.4%	11,064	11,747	683	6.2%
45.7%	11,046	11,626	580	5.3%
46.9%	11,042	11,449	407	3.7%
48.1%	10,994	11,252	259	2.4%
49.4%	10,912	11,097	185	1.7%
50.6%	10,864	11,053	189	1.7%
51.9%	10,830	10,831	0	0.0%
53.1%	10,691	10,757	65	0.6%
54.3%	10,677	10,715	38	0.4%
55.6%	10,393	10,653	260	2.5%
56.8%	10,197	10,650	454	4.5%
58.0%	10,025	10,646	622	6.2%
59.3%	10,023	10,572	549	5.5%
60.5%	9,637	10,354	717	7.4%
61.7%	9,436	10,079	643	6.8%
63.0%	9,414	10,003	589	6.3%
64.2%	9,341	9,850	509	5.5%
65.4%	9,323	9,602	279	3.0%
66.7%	9,188	9,597	409	4.5%
67.9%	9,186	9,573	388	4.2%
69.1%	9,147	9,442	294	3.2%
70.4%	9,139	9,441	302	3.3%
71.6%	9,135	9,424	290	3.2%
72.8%	9,115	9,327	213	2.3%
74.1%	9,069	9,218	150	1.7%
75.3%	9,068	9,207	138	1.5%
76.5%	9,036	9,188	152	1.7%
77.8%	9,017	9,125	109	1.2%
79.0%	8,983	9,069	86	1.0%
80.2%	8,977	8,954	-23	-0.3%
81.5%	8,943	8,943	0	0.0%
82.7%	8,922	8,922	0	0.0%
84.0%	8,882	8,866	-16	-0.2%
85.2%	8,352	8,785	433	5.2%
86.4%	7,916	8,701	786	9.9%
87.7%	7,840	8,621	780	10.0%
88.9%	7,622	7,729	108	1.4%
90.1%	7,565	7,668	103	1.4%
91.4%	7,440	7,652	212	2.9%
92.6%	7,399	7,633	234	3.2%
93.8%	7,382	7,565	182	2.5%
95.1%	7,359	7,480	120	1.6%
96.3%	7,352	7,441	89	1.2%
97.5%	7,346	7,435	89	1.2%
98.8%	7,161	7,411	249	3.5%
100.0%	5,863	7,213	1,350	23.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,763	54,567	-197	-0.4%
1.2%	48,632	47,874	-759	-1.6%
2.5%	47,723	46,298	-1,424	-3.0%
3.7%	36,344	34,753	-1,591	-4.4%
4.9%	32,307	33,452	1,145	3.5%
6.2%	26,852	26,385	-467	-1.7%
7.4%	25,711	26,235	524	2.0%
8.6%	25,440	24,173	-1,267	-5.0%
9.9%	21,980	23,512	1,532	7.0%
11.1%	21,952	22,304	352	1.6%
12.3%	20,765	21,187	422	2.0%
13.6%	20,678	21,061	382	1.8%
14.8%	19,554	20,113	559	2.9%
16.0%	19,449	19,639	190	1.0%
17.3%	19,204	19,445	241	1.3%
18.5%	18,984	19,298	314	1.7%
19.8%	18,966	18,871	-95	-0.5%
21.0%	18,912	18,739	-174	-0.9%
22.2%	18,699	18,482	-216	-1.2%
23.5%	18,322	18,351	29	0.2%
24.7%	18,041	18,197	156	0.9%
25.9%	17,896	18,082	186	1.0%
27.2%	17,883	18,054	170	1.0%
28.4%	17,684	17,924	241	1.4%
29.6%	17,573	17,903	330	1.9%
30.9%	16,850	17,800	950	5.6%
32.1%	16,836	17,745	908	5.4%
33.3%	16,696	17,737	1,041	6.2%
34.6%	16,388	17,593	1,206	7.4%
35.8%	16,010	17,562	1,552	9.7%
37.0%	15,777	17,336	1,559	9.9%
38.3%	15,772	17,263	1,491	9.5%
39.5%	15,637	17,243	1,607	10.3%
40.7%	15,475	16,578	1,103	7.1%
42.0%	15,325	16,490	1,165	7.6%
43.2%	15,174	16,310	1,135	7.5%
44.4%	15,124	16,302	1,178	7.8%
45.7%	14,977	16,297	1,320	8.8%
46.9%	14,644	16,161	1,517	10.4%
48.1%	14,640	15,676	1,035	7.1%
49.4%	14,480	15,624	1,144	7.9%
50.6%	13,637	15,377	1,740	12.8%
51.9%	13,590	15,366	1,776	13.1%
53.1%	13,589	15,002	1,413	10.4%
54.3%	13,238	14,821	1,583	12.0%
55.6%	13,181	14,810	1,629	12.4%
56.8%	13,134	14,463	1,329	10.1%
58.0%	12,973	14,297	1,324	10.2%
59.3%	12,828	14,203	1,375	10.7%
60.5%	12,632	14,043	1,410	11.2%
61.7%	12,185	13,991	1,806	14.8%
63.0%	12,096	12,710	614	5.1%
64.2%	12,010	12,643	634	5.3%
65.4%	11,482	12,560	1,079	9.4%
66.7%	11,153	12,289	1,136	10.2%
67.9%	11,146	11,850	703	6.3%
69.1%	10,229	11,777	1,547	15.1%
70.4%	10,125	11,760	1,635	16.1%
71.6%	9,885	11,214	1,330	13.5%
72.8%	9,803	11,000	1,197	12.2%
74.1%	9,688	10,971	1,283	13.2%
75.3%	9,606	10,949	1,343	14.0%
76.5%	9,310	10,570	1,260	13.5%
77.8%	9,287	10,514	1,227	13.2%
79.0%	9,185	10,508	1,322	14.4%
80.2%	9,031	9,860	829	9.2%
81.5%	8,798	9,713	916	10.4%
82.7%	8,688	9,377	689	7.9%
84.0%	8,551	9,324	773	9.0%
85.2%	8,503	9,054	550	6.5%
86.4%	8,400	8,871	472	5.6%
87.7%	8,264	8,496	232	2.8%
88.9%	8,119	8,400	280	3.5%
90.1%	7,805	7,912	107	1.4%
91.4%	7,533	7,859	326	4.3%
92.6%	7,145	7,207	62	0.9%
93.8%	7,120	7,044	-76	-1.1%
95.1%	7,082	7,032	-50	-0.7%
96.3%	7,049	7,014	-36	-0.5%
97.5%	6,855	6,910	56	0.8%
98.8%	6,813	6,855	42	0.6%
100.0%	6,366	6,813	447	7.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,489	76,501	13	0.0%
1.2%	75,125	73,925	-1,200	-1.6%
2.5%	68,512	66,456	-2,056	-3.0%
3.7%	59,837	59,743	-95	-0.2%
4.9%	58,803	58,754	-50	-0.1%
6.2%	57,819	57,729	-90	-0.2%
7.4%	50,471	50,085	-386	-0.8%
8.6%	50,174	50,002	-172	-0.3%
9.9%	49,883	49,643	-240	-0.5%
11.1%	48,142	45,628	-2,514	-5.2%
12.3%	44,746	44,897	151	0.3%
13.6%	43,136	39,791	-3,346	-7.8%
14.8%	40,947	38,759	-2,188	-5.3%
16.0%	36,716	38,435	1,719	4.7%
17.3%	35,122	37,024	1,902	5.4%
18.5%	35,094	35,214	120	0.3%
19.8%	34,892	35,071	179	0.5%
21.0%	33,741	30,836	-2,904	-8.6%
22.2%	33,340	29,684	-3,656	-11.0%
23.5%	28,805	26,829	-1,976	-6.9%
24.7%	27,965	25,027	-2,937	-10.5%
25.9%	26,446	24,450	-1,997	-7.6%
27.2%	25,448	24,160	-1,289	-5.1%
28.4%	25,085	22,930	-2,156	-8.6%
29.6%	23,520	21,913	-1,607	-6.8%
30.9%	22,606	20,428	-2,178	-9.6%
32.1%	21,894	19,964	-1,930	-8.8%
33.3%	21,312	19,057	-2,255	-10.6%
34.6%	20,108	18,426	-1,682	-8.4%
35.8%	19,786	18,347	-1,440	-7.3%
37.0%	18,861	18,346	-515	-2.7%
38.3%	18,738	18,114	-624	-3.3%
39.5%	18,586	17,487	-1,099	-5.9%
40.7%	18,043	17,357	-686	-3.8%
42.0%	17,439	17,268	-171	-1.0%
43.2%	17,299	17,145	-154	-0.9%
44.4%	17,088	16,907	-181	-1.1%
45.7%	16,984	15,962	-1,022	-6.0%
46.9%	16,891	15,954	-936	-5.5%
48.1%	16,681	15,699	-982	-5.9%
49.4%	15,797	15,579	-217	-1.4%
50.6%	15,705	15,578	-127	-0.8%
51.9%	15,647	15,571	-76	-0.5%
53.1%	15,640	15,531	-109	-0.7%
54.3%	15,511	15,431	-80	-0.5%
55.6%	15,058	15,410	352	2.3%
56.8%	14,972	15,348	376	2.5%
58.0%	14,733	15,315	582	4.0%
59.3%	14,685	15,159	474	3.2%
60.5%	14,492	14,959	467	3.2%
61.7%	14,083	14,743	660	4.7%
63.0%	14,042	14,729	687	4.9%
64.2%	13,932	14,711	780	5.6%
65.4%	13,864	14,643	779	5.6%
66.7%	13,823	14,197	373	2.7%
67.9%	13,754	14,179	424	3.1%
69.1%	13,668	13,754	85	0.6%
70.4%	13,589	13,667	78	0.6%
71.6%	13,560	13,193	-367	-2.7%
72.8%	13,520	13,145	-375	-2.8%
74.1%	13,352	13,006	-346	-2.6%
75.3%	13,114	13,000	-114	-0.9%
76.5%	13,057	13,000	-57	-0.4%
77.8%	12,807	13,000	193	1.5%
79.0%	12,175	13,000	825	6.8%
80.2%	12,006	11,917	-90	-0.7%
81.5%	12,000	11,716	-285	-2.4%
82.7%	11,872	11,649	-222	-1.9%
84.0%	11,808	11,084	-725	-6.1%
85.2%	11,788	10,571	-1,217	-10.3%
86.4%	10,279	10,386	107	1.0%
87.7%	10,171	10,340	169	1.7%
88.9%	9,789	10,309	520	5.3%
90.1%	9,556	10,022	466	4.9%
91.4%	9,509	9,989	480	5.1%
92.6%	9,208	9,877	669	7.3%
93.8%	9,182	9,805	624	6.8%
95.1%	8,808	9,621	813	9.2%
96.3%	7,937	9,514	1,577	19.9%
97.5%	7,822	9,300	1,478	18.9%
98.8%	7,126	7,487	362	5.1%
100.0%	6,971	7,015	43	0.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,316	78,437	122	0.2%
1.2%	77,247	77,226	-21	0.0%
2.5%	75,332	74,632	-700	-0.9%
3.7%	72,573	72,575	2	0.0%
4.9%	71,030	70,521	-509	-0.7%
6.2%	68,845	66,556	-2,290	-3.3%
7.4%	65,650	65,054	-596	-0.9%
8.6%	63,413	63,815	402	0.6%
9.9%	62,803	62,895	91	0.1%
11.1%	62,334	61,723	-611	-1.0%
12.3%	59,310	59,461	151	0.3%
13.6%	59,032	57,774	-1,258	-2.1%
14.8%	58,905	57,646	-1,260	-2.1%
16.0%	58,818	57,479	-1,339	-2.3%
17.3%	57,654	56,960	-694	-1.2%
18.5%	57,044	56,485	-559	-1.0%
19.8%	55,526	53,943	-1,583	-2.9%
21.0%	55,426	53,251	-2,175	-3.9%
22.2%	48,644	47,307	-1,336	-2.7%
23.5%	47,302	47,087	-215	-0.5%
24.7%	47,151	45,325	-1,826	-3.9%
25.9%	46,352	43,236	-3,116	-6.7%
27.2%	45,303	42,332	-2,971	-6.6%
28.4%	42,952	40,882	-2,070	-4.8%
29.6%	42,725	38,669	-4,055	-9.5%
30.9%	38,697	37,441	-1,256	-3.2%
32.1%	38,364	37,425	-939	-2.4%
33.3%	37,060	34,953	-2,107	-5.7%
34.6%	37,027	34,084	-2,943	-7.9%
35.8%	31,603	31,011	-593	-1.9%
37.0%	30,867	29,226	-1,641	-5.3%
38.3%	27,819	26,295	-1,524	-5.5%
39.5%	27,034	25,797	-1,237	-4.6%
40.7%	26,887	23,980	-2,906	-10.8%
42.0%	26,847	23,693	-3,154	-11.7%
43.2%	25,673	22,893	-2,780	-10.8%
44.4%	25,568	22,465	-3,103	-12.1%
45.7%	24,969	21,445	-3,524	-14.1%
46.9%	24,568	20,679	-3,890	-15.8%
48.1%	24,081	20,574	-3,506	-14.6%
49.4%	22,735	20,442	-2,293	-10.1%
50.6%	22,602	19,872	-2,729	-12.1%
51.9%	22,060	19,777	-2,283	-10.3%
53.1%	21,932	19,723	-2,210	-10.1%
54.3%	21,546	19,443	-2,103	-9.8%
55.6%	21,036	19,157	-1,879	-8.9%
56.8%	20,692	18,559	-2,134	-10.3%
58.0%	20,585	18,408	-2,176	-10.6%
59.3%	19,741	18,293	-1,448	-7.3%
60.5%	19,247	17,828	-1,419	-7.4%
61.7%	18,873	17,284	-1,589	-8.4%
63.0%	18,792	16,444	-2,347	-12.5%
64.2%	17,848	15,939	-1,909	-10.7%
65.4%	17,840	15,621	-2,220	-12.4%
66.7%	16,706	15,456	-1,250	-7.5%
67.9%	16,628	15,000	-1,628	-9.8%
69.1%	15,896	15,000	-896	-5.6%
70.4%	15,400	15,000	-400	-2.6%
71.6%	15,010	15,000	-10	-0.1%
72.8%	14,785	15,000	215	1.5%
74.1%	13,975	15,000	1,025	7.3%
75.3%	13,843	15,000	1,157	8.4%
76.5%	13,810	15,000	1,190	8.6%
77.8%	13,782	15,000	1,218	8.8%
79.0%	13,646	14,816	1,170	8.6%
80.2%	13,610	14,815	1,205	8.9%
81.5%	13,566	14,556	989	7.3%
82.7%	13,475	14,457	982	7.3%
84.0%	13,224	13,846	622	4.7%
85.2%	13,186	13,773	587	4.5%
86.4%	13,092	13,746	654	5.0%
87.7%	12,531	13,390	859	6.9%
88.9%	12,527	12,902	375	3.0%
90.1%	12,253	12,778	524	4.3%
91.4%	11,711	12,763	1,051	9.0%
92.6%	11,650	12,750	1,101	9.4%
93.8%	11,505	12,467	963	8.4%
95.1%	10,867	12,302	1,435	13.2%
96.3%	10,789	10,622	-167	-1.6%
97.5%	10,352	10,538	186	1.8%
98.8%	10,045	9,748	-298	-3.0%
100.0%	9,884	7,511	-2,373	-24.0%

Table SW-30-3b

Sacramento River below Hood, 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%	77,122	77,119	-3	0.0%
1.2%	74,425	74,424	-1	0.0%
2.5%	73,987	74,233	246	0.3%
3.7%	72,274	72,269	-6	0.0%
4.9%	70,946	70,823	-123	-0.2%
6.2%	70,019	69,613	-406	-0.6%
7.4%	69,393	68,910	-482	-0.7%
8.6%	68,757	68,761	4	0.0%
9.9%	68,417	68,221	-196	-0.3%
11.1%	67,622	67,132	-490	-0.7%
12.3%	66,930	66,899	-31	0.0%
13.6%	65,626	65,375	-251	-0.4%
14.8%	64,719	64,715	-4	0.0%
16.0%	62,473	62,474	2	0.0%
17.3%	62,102	61,605	-497	-0.8%
18.5%	61,746	60,904	-843	-1.4%
19.8%	60,900	60,385	-515	-0.8%
21.0%	59,604	59,864	259	0.4%
22.2%	59,068	59,079	11	0.0%
23.5%	58,970	58,261	-709	-1.2%
24.7%	57,116	57,787	671	1.2%
25.9%	52,164	52,189	24	0.0%
27.2%	51,908	50,476	-1,432	-2.8%
28.4%	50,694	48,927	-1,767	-3.5%
29.6%	49,066	47,015	-2,051	-4.2%
30.9%	48,591	46,323	-2,268	-4.7%
32.1%	48,309	45,841	-2,468	-5.1%
33.3%	47,872	45,603	-2,269	-4.7%
34.6%	47,835	44,851	-2,985	-6.2%
35.8%	46,794	44,415	-2,379	-5.1%
37.0%	45,191	43,933	-1,257	-2.8%
38.3%	43,657	42,414	-1,243	-2.8%
39.5%	43,618	41,349	-2,269	-5.2%
40.7%	42,296	40,314	-1,982	-4.7%
42.0%	42,199	40,248	-1,951	-4.6%
43.2%	39,327	39,337	10	0.0%
44.4%	36,325	34,231	-2,094	-5.8%
45.7%	34,877	32,137	-2,740	-7.9%
46.9%	34,268	31,612	-2,656	-7.8%
48.1%	33,715	30,509	-3,206	-9.5%
49.4%	33,690	28,664	-5,027	-14.9%
50.6%	32,667	28,598	-4,069	-12.5%
51.9%	30,188	28,007	-2,181	-7.2%
53.1%	29,101	27,260	-1,842	-6.3%
54.3%	28,636	25,490	-3,146	-11.0%
55.6%	27,112	24,469	-2,642	-9.7%
56.8%	25,138	23,965	-1,173	-4.7%
58.0%	24,731	22,646	-2,085	-8.4%
59.3%	24,460	22,095	-2,365	-9.7%
60.5%	24,106	21,489	-2,617	-10.9%
61.7%	23,498	20,978	-2,520	-10.7%
63.0%	22,884	20,743	-2,141	-9.4%
64.2%	22,302	20,674	-1,628	-7.3%
65.4%	21,823	20,557	-1,266	-5.8%
66.7%	21,408	18,628	-2,781	-13.0%
67.9%	19,649	18,624	-1,025	-5.2%
69.1%	18,623	18,533	-91	-0.5%
70.4%	18,286	17,742	-543	-3.0%
71.6%	17,809	16,747	-1,062	-6.0%
72.8%	17,773	16,034	-1,739	-9.8%
74.1%	17,049	15,766	-1,283	-7.5%
75.3%	16,598	14,825	-1,772	-10.7%
76.5%	16,575	14,815	-1,759	-10.6%
77.8%	16,247	14,703	-1,544	-9.5%
79.0%	15,184	14,670	-513	-3.4%
80.2%	15,101	14,580	-521	-3.5%
81.5%	15,098	14,537	-561	-3.7%
82.7%	13,987	14,283	295	2.1%
84.0%	13,687	13,609	-78	-0.6%
85.2%	13,389	13,377	-12	-0.1%
86.4%	13,359	13,000	-359	-2.7%
87.7%	13,081	13,000	-81	-0.6%
88.9%	13,017	13,000	-17	-0.1%
90.1%	12,887	12,853	-34	-0.3%
91.4%	12,459	12,408	-51	-0.4%
92.6%	12,381	12,338	-43	-0.3%
93.8%	11,809	11,905	96	0.8%
95.1%	11,524	11,893	368	3.2%
96.3%	10,286	11,840	1,554	15.1%
97.5%	9,135	9,280	145	1.6%
98.8%	8,694	8,988	294	3.4%
100.0%	8,005	8,660	656	8.2%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,595	81,595	0	0.0%
1.2%	77,524	77,592	68	0.1%
2.5%	72,447	72,449	2	0.0%
3.7%	70,875	70,471	-404	-0.6%
4.9%	68,126	68,127	1	0.0%
6.2%	67,712	67,632	-80	-0.1%
7.4%	67,633	67,044	-589	-0.9%
8.6%	66,279	66,572	293	0.4%
9.9%	61,320	61,323	3	0.0%
11.1%	61,114	61,116	3	0.0%
12.3%	60,631	60,629	-2	0.0%
13.6%	59,153	58,253	-900	-1.5%
14.8%	57,369	57,371	2	0.0%
16.0%	57,351	57,337	-14	0.0%
17.3%	54,792	54,733	-58	-0.1%
18.5%	54,728	53,036	-1,692	-3.1%
19.8%	52,800	52,589	-211	-0.4%
21.0%	48,495	48,239	-256	-0.5%
22.2%	47,746	47,483	-263	-0.6%
23.5%	46,957	46,950	-7	0.0%
24.7%	44,695	45,831	1,136	2.5%
25.9%	44,518	43,327	-1,191	-2.7%
27.2%	43,310	42,203	-1,107	-2.6%
28.4%	42,981	40,863	-2,118	-4.9%
29.6%	41,569	40,587	-981	-2.4%
30.9%	41,529	37,443	-4,086	-9.8%
32.1%	40,468	36,954	-3,514	-8.7%
33.3%	37,756	34,095	-3,660	-9.7%
34.6%	36,262	34,079	-2,183	-6.0%
35.8%	34,599	33,864	-735	-2.1%
37.0%	34,057	33,555	-502	-1.5%
38.3%	33,906	33,431	-475	-1.4%
39.5%	33,591	33,050	-540	-1.6%
40.7%	32,400	32,266	-134	-0.4%
42.0%	32,231	30,161	-2,070	-6.4%
43.2%	29,812	28,193	-1,619	-5.4%
44.4%	29,160	27,892	-1,268	-4.3%
45.7%	28,800	27,805	-995	-3.5%
46.9%	27,904	27,589	-315	-1.1%
48.1%	27,674	26,938	-736	-2.7%
49.4%	25,330	25,404	74	0.3%
50.6%	25,195	24,554	-641	-2.5%
51.9%	24,912	22,242	-2,671	-10.7%
53.1%	23,704	22,158	-1,546	-6.5%
54.3%	22,895	21,040	-1,856	-8.1%
55.6%	22,381	20,962	-1,419	-6.3%
56.8%	22,260	20,380	-1,880	-8.4%
58.0%	22,237	19,575	-2,661	-12.0%
59.3%	22,164	19,498	-2,666	-12.0%
60.5%	22,007	18,935	-3,071	-14.0%
61.7%	21,284	18,387	-2,898	-13.6%
63.0%	20,973	17,409	-3,564	-17.0%
64.2%	20,169	17,362	-2,808	-13.9%
65.4%	20,110	17,312	-2,798	-13.9%
66.7%	19,859	17,201	-2,658	-13.4%
67.9%	19,662	17,048	-2,615	-13.3%
69.1%	19,559	17,008	-2,551	-13.0%
70.4%	19,251	16,681	-2,570	-13.3%
71.6%	19,209	16,622	-2,587	-13.5%
72.8%	18,946	16,084	-2,862	-15.1%
74.1%	18,584	15,931	-2,653	-14.3%
75.3%	18,122	14,786	-3,336	-18.4%
76.5%	17,186	14,142	-3,044	-17.7%
77.8%	15,614	13,467	-2,147	-13.8%
79.0%	15,612	13,391	-2,221	-14.2%
80.2%	14,333	13,349	-984	-6.9%
81.5%	14,310	13,074	-1,236	-8.6%
82.7%	13,350	13,000	-350	-2.6%
84.0%	12,745	13,000	255	2.0%
85.2%	12,354	12,554	200	1.6%
86.4%	12,353	12,512	159	1.3%
87.7%	12,069	12,278	209	1.7%
88.9%	11,442	12,202	760	6.6%
90.1%	11,416	12,089	673	5.9%
91.4%	11,248	10,844	-405	-3.6%
92.6%	10,976	10,812	-164	-1.5%
93.8%	10,572	10,677	105	1.0%
95.1%	10,470	10,311	-159	-1.5%
96.3%	8,902	9,507	605	6.8%
97.5%	8,576	9,291	715	8.3%
98.8%	7,910	8,615	706	8.9%
100.0%	7,690	7,906	216	2.8%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,146	72,147	1	0.0%
1.2%	67,580	67,578	-2	0.0%
2.5%	64,636	64,635	-1	0.0%
3.7%	56,997	56,998	1	0.0%
4.9%	56,147	56,150	4	0.0%
6.2%	54,491	54,492	1	0.0%
7.4%	54,373	53,510	-864	-1.6%
8.6%	53,515	52,692	-824	-1.5%
9.9%	50,373	49,948	-426	-0.8%
11.1%	49,947	48,872	-1,075	-2.2%
12.3%	45,464	45,455	-9	0.0%
13.6%	42,659	42,645	-14	0.0%
14.8%	42,165	41,943	-222	-0.5%
16.0%	41,937	39,711	-2,226	-5.3%
17.3%	40,385	39,272	-1,114	-2.8%
18.5%	39,697	38,797	-900	-2.3%
19.8%	38,814	37,467	-1,346	-3.5%
21.0%	37,664	35,079	-2,586	-6.9%
22.2%	34,656	34,655	-1	0.0%
23.5%	34,069	33,138	-931	-2.7%
24.7%	33,032	32,730	-301	-0.9%
25.9%	25,170	25,256	86	0.3%
27.2%	24,542	25,146	603	2.5%
28.4%	24,339	24,514	175	0.7%
29.6%	23,920	23,031	-889	-3.7%
30.9%	23,745	22,525	-1,220	-5.1%
32.1%	22,919	22,478	-440	-1.9%
33.3%	22,524	22,057	-468	-2.1%
34.6%	22,471	21,389	-1,082	-4.8%
35.8%	21,470	20,917	-553	-2.6%
37.0%	21,047	20,619	-429	-2.0%
38.3%	20,970	20,141	-830	-4.0%
39.5%	20,915	19,853	-1,062	-5.1%
40.7%	20,793	19,232	-1,561	-7.5%
42.0%	20,067	19,025	-1,042	-5.2%
43.2%	18,611	18,378	-233	-1.3%
44.4%	18,115	18,200	86	0.5%
45.7%	18,102	18,139	38	0.2%
46.9%	18,013	18,019	6	0.0%
48.1%	16,748	16,819	71	0.4%
49.4%	16,614	16,409	-205	-1.2%
50.6%	16,145	16,148	4	0.0%
51.9%	15,772	15,772	0	0.0%
53.1%	14,837	14,919	82	0.5%
54.3%	14,092	14,613	521	3.7%
55.6%	13,860	14,094	234	1.7%
56.8%	13,744	13,963	219	1.6%
58.0%	13,150	13,863	712	5.4%
59.3%	12,995	13,726	731	5.6%
60.5%	12,950	12,952	2	0.0%
61.7%	12,926	12,905	-21	-0.2%
63.0%	12,658	12,710	52	0.4%
64.2%	12,281	12,696	415	3.4%
65.4%	12,214	12,288	75	0.6%
66.7%	12,202	12,087	-115	-0.9%
67.9%	12,116	12,051	-65	-0.5%
69.1%	11,999	11,999	0	0.0%
70.4%	11,626	11,769	143	1.2%
71.6%	11,623	11,581	-42	-0.4%
72.8%	11,509	11,462	-47	-0.4%
74.1%	11,467	11,399	-68	-0.6%
75.3%	11,358	11,377	18	0.2%
76.5%	11,335	11,344	9	0.1%
77.8%	11,185	11,343	159	1.4%
79.0%	11,172	11,180	8	0.1%
80.2%	11,092	11,099	7	0.1%
81.5%	10,842	10,792	-51	-0.5%
82.7%	10,290	10,644	355	3.4%
84.0%	10,227	10,340	113	1.1%
85.2%	9,998	10,176	178	1.8%
86.4%	9,950	10,116	166	1.7%
87.7%	9,732	10,104	373	3.8%
88.9%	9,613	9,993	379	3.9%
90.1%	9,613	9,789	176	1.8%
91.4%	9,554	9,688	133	1.4%
92.6%	9,487	9,611	125	1.3%
93.8%	9,481	9,554	73	0.8%
95.1%	9,388	9,390	2	0.0%
96.3%	8,671	8,545	-126	-1.5%
97.5%	8,596	8,321	-275	-3.2%
98.8%	8,259	8,259	0	0.0%
100.0%	7,379	7,124	-255	-3.5%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,574	58,493	-81	-0.1%
1.2%	58,281	58,258	-23	0.0%
2.5%	53,991	53,997	6	0.0%
3.7%	52,611	52,531	-80	-0.2%
4.9%	48,747	48,375	-373	-0.8%
6.2%	44,664	44,816	152	0.3%
7.4%	43,080	43,086	6	0.0%
8.6%	42,723	42,631	-92	-0.2%
9.9%	41,705	41,704	-1	0.0%
11.1%	40,915	40,866	-48	-0.1%
12.3%	38,953	39,159	206	0.5%
13.6%	38,441	38,790	349	0.9%
14.8%	38,212	38,355	143	0.4%
16.0%	31,737	32,811	1,074	3.4%
17.3%	31,247	31,742	495	1.6%
18.5%	28,233	28,232	0	0.0%
19.8%	27,921	27,125	-796	-2.9%
21.0%	27,469	26,575	-894	-3.3%
22.2%	26,047	25,283	-764	-2.9%
23.5%	25,550	23,981	-1,569	-6.1%
24.7%	23,997	22,618	-1,380	-5.7%
25.9%	22,916	22,437	-479	-2.1%
27.2%	20,355	20,279	-77	-0.4%
28.4%	18,655	18,609	-47	-0.2%
29.6%	18,237	18,172	-65	-0.4%
30.9%	18,092	17,688	-404	-2.2%
32.1%	17,722	17,329	-394	-2.2%
33.3%	17,328	17,270	-59	-0.3%
34.6%	16,417	16,564	147	0.9%
35.8%	16,312	16,419	108	0.7%
37.0%	15,727	15,641	-86	-0.5%
38.3%	15,101	15,461	360	2.4%
39.5%	14,992	14,978	-14	-0.1%
40.7%	14,743	14,744	1	0.0%
42.0%	14,340	14,342	2	0.0%
43.2%	14,171	14,163	-7	-0.1%
44.4%	13,843	14,051	207	1.5%
45.7%	13,609	13,846	237	1.7%
46.9%	13,551	13,681	130	1.0%
48.1%	13,538	13,616	78	0.6%
49.4%	13,537	13,539	2	0.0%
50.6%	13,433	13,429	-4	0.0%
51.9%	12,438	12,550	112	0.9%
53.1%	12,162	12,448	285	2.3%
54.3%	12,053	12,441	388	3.2%
55.6%	12,046	12,180	134	1.1%
56.8%	11,988	12,158	170	1.4%
58.0%	11,932	12,013	81	0.7%
59.3%	11,731	11,935	204	1.7%
60.5%	11,699	11,801	102	0.9%
61.7%	11,064	11,733	669	6.0%
63.0%	11,039	11,566	528	4.8%
64.2%	10,978	11,229	251	2.3%
65.4%	10,847	10,968	121	1.1%
66.7%	10,775	10,769	-6	-0.1%
67.9%	10,616	10,755	139	1.3%
69.1%	10,605	10,746	140	1.3%
70.4%	10,585	10,728	142	1.3%
71.6%	10,575	10,618	43	0.4%
72.8%	10,545	10,598	53	0.5%
74.1%	10,539	10,545	6	0.1%
75.3%	10,247	10,493	246	2.4%
76.5%	10,042	10,246	204	2.0%
77.8%	10,014	10,040	26	0.3%
79.0%	9,909	9,819	-90	-0.9%
80.2%	9,720	9,810	90	0.9%
81.5%	9,456	9,726	270	2.9%
82.7%	9,437	9,549	113	1.2%
84.0%	9,159	9,520	361	3.9%
85.2%	9,081	9,458	376	4.1%
86.4%	9,073	8,988	-86	-0.9%
87.7%	8,895	8,898	3	0.0%
88.9%	8,850	8,522	-329	-3.7%
90.1%	8,649	8,500	-150	-1.7%
91.4%	8,150	8,306	156	1.9%
92.6%	7,865	8,139	274	3.5%
93.8%	7,569	7,951	382	5.0%
95.1%	6,982	6,847	-135	-1.9%
96.3%	6,854	6,674	-180	-2.6%
97.5%	6,658	6,554	-104	-1.6%
98.8%	6,588	6,310	-278	-4.2%
100.0%	5,458	5,462	4	0.1%

Table SW-30-3b

Sacramento River below Hood, 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%	61,036	60,954	-83	-0.1%
1.2%	50,918	50,931	14	0.0%
2.5%	37,741	38,702	961	2.5%
3.7%	37,471	38,688	1,218	3.2%
4.9%	35,750	38,163	2,413	6.7%
6.2%	34,962	35,430	468	1.3%
7.4%	34,150	34,621	471	1.4%
8.6%	29,402	30,301	899	3.1%
9.9%	25,914	25,687	-227	-0.9%
11.1%	24,469	25,223	755	3.1%
12.3%	24,357	24,167	-190	-0.8%
13.6%	23,671	24,047	377	1.6%
14.8%	22,031	22,500	469	2.1%
16.0%	20,775	21,855	1,080	5.2%
17.3%	20,496	21,542	1,047	5.1%
18.5%	20,432	21,070	638	3.1%
19.8%	20,174	20,808	634	3.1%
21.0%	19,096	19,592	496	2.6%
22.2%	18,057	18,069	12	0.1%
23.5%	16,492	17,228	736	4.5%
24.7%	16,080	16,130	50	0.3%
25.9%	15,574	16,059	486	3.1%
27.2%	15,564	16,047	483	3.1%
28.4%	15,304	16,045	741	4.8%
29.6%	15,229	15,681	451	3.0%
30.9%	14,821	15,609	788	5.3%
32.1%	14,790	15,313	523	3.5%
33.3%	14,530	15,284	754	5.2%
34.6%	14,510	14,980	470	3.2%
35.8%	14,501	14,943	442	3.0%
37.0%	14,350	14,817	466	3.2%
38.3%	14,309	14,797	488	3.4%
39.5%	14,299	14,740	441	3.1%
40.7%	14,295	14,503	208	1.5%
42.0%	13,800	14,295	495	3.6%
43.2%	13,525	14,249	725	5.4%
44.4%	13,506	13,829	323	2.4%
45.7%	13,428	13,785	357	2.7%
46.9%	13,363	13,780	417	3.1%
48.1%	13,310	13,760	450	3.4%
49.4%	13,286	13,712	426	3.2%
50.6%	13,133	13,642	508	3.9%
51.9%	13,064	13,563	498	3.8%
53.1%	12,975	13,537	563	4.3%
54.3%	12,727	13,482	756	5.9%
55.6%	12,718	13,420	701	5.5%
56.8%	12,683	13,337	654	5.2%
58.0%	12,674	13,219	545	4.3%
59.3%	12,600	13,184	584	4.6%
60.5%	12,473	13,158	685	5.5%
61.7%	12,458	12,977	519	4.2%
63.0%	12,422	12,953	531	4.3%
64.2%	12,422	12,900	478	3.8%
65.4%	12,411	12,777	366	3.0%
66.7%	12,326	12,698	372	3.0%
67.9%	12,255	12,558	303	2.5%
69.1%	12,223	12,516	293	2.4%
70.4%	12,063	12,512	448	3.7%
71.6%	12,055	12,425	370	3.1%
72.8%	12,012	12,397	384	3.2%
74.1%	11,969	12,291	323	2.7%
75.3%	11,809	12,238	429	3.6%
76.5%	11,768	12,218	450	3.8%
77.8%	11,707	12,205	498	4.2%
79.0%	11,670	12,132	462	4.0%
80.2%	11,281	12,072	791	7.0%
81.5%	11,277	11,961	684	6.1%
82.7%	11,253	11,562	308	2.7%
84.0%	11,028	11,335	307	2.8%
85.2%	10,959	11,329	369	3.4%
86.4%	10,829	11,209	379	3.5%
87.7%	10,773	11,201	428	4.0%
88.9%	10,708	11,112	404	3.8%
90.1%	10,501	10,785	284	2.7%
91.4%	10,302	10,783	481	4.7%
92.6%	9,508	9,674	166	1.7%
93.8%	9,194	9,432	238	2.6%
95.1%	9,170	9,296	126	1.4%
96.3%	9,086	9,193	107	1.2%
97.5%	8,484	9,102	618	7.3%
98.8%	8,372	8,705	334	4.0%
100.0%	8,321	8,323	2	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,756	26,229	1,473	6.0%
1.2%	24,741	26,110	1,369	5.5%
2.5%	24,631	26,098	1,467	6.0%
3.7%	24,568	26,045	1,477	6.0%
4.9%	24,314	25,963	1,649	6.8%
6.2%	24,306	25,898	1,592	6.6%
7.4%	24,265	25,793	1,528	6.3%
8.6%	23,778	25,394	1,616	6.8%
9.9%	23,768	25,338	1,570	6.6%
11.1%	23,696	25,269	1,573	6.6%
12.3%	23,693	24,909	1,216	5.1%
13.6%	23,593	24,518	925	3.9%
14.8%	23,591	24,486	895	3.8%
16.0%	23,560	24,441	880	3.7%
17.3%	23,347	24,348	1,001	4.3%
18.5%	23,328	24,306	978	4.2%
19.8%	22,977	24,113	1,136	4.9%
21.0%	22,663	23,992	1,330	5.9%
22.2%	22,570	23,973	1,404	6.2%
23.5%	22,387	23,891	1,503	6.7%
24.7%	22,360	23,020	661	3.0%
25.9%	22,219	22,907	688	3.1%
27.2%	22,141	22,793	652	2.9%
28.4%	22,018	22,772	753	3.4%
29.6%	21,673	22,583	910	4.2%
30.9%	21,469	22,391	922	4.3%
32.1%	21,409	22,287	878	4.1%
33.3%	21,083	22,198	1,115	5.3%
34.6%	21,002	22,018	1,016	4.8%
35.8%	20,650	21,904	1,254	6.1%
37.0%	20,622	21,854	1,232	6.0%
38.3%	20,618	21,760	1,142	5.5%
39.5%	20,562	21,728	1,166	5.7%
40.7%	20,118	21,431	1,313	6.5%
42.0%	20,025	21,368	1,343	6.7%
43.2%	19,989	21,315	1,326	6.6%
44.4%	19,972	21,235	1,263	6.3%
45.7%	19,926	21,219	1,293	6.5%
46.9%	19,872	21,145	1,274	6.4%
48.1%	19,816	21,142	1,326	6.7%
49.4%	19,816	21,114	1,298	6.6%
50.6%	19,770	21,083	1,313	6.6%
51.9%	19,750	21,060	1,310	6.6%
53.1%	19,702	20,953	1,251	6.3%
54.3%	19,661	20,904	1,243	6.3%
55.6%	19,640	20,873	1,233	6.3%
56.8%	19,627	20,827	1,200	6.1%
58.0%	19,584	20,723	1,139	5.8%
59.3%	19,458	20,654	1,196	6.1%
60.5%	19,327	20,509	1,182	6.1%
61.7%	19,286	20,417	1,131	5.9%
63.0%	18,822	20,289	1,467	7.8%
64.2%	18,716	19,987	1,271	6.8%
65.4%	18,530	19,898	1,368	7.4%
66.7%	18,518	19,792	1,273	6.9%
67.9%	18,401	19,399	998	5.4%
69.1%	18,334	19,324	990	5.4%
70.4%	18,242	18,945	704	3.9%
71.6%	17,669	18,738	1,069	6.1%
72.8%	17,453	18,672	1,219	7.0%
74.1%	17,239	18,612	1,373	8.0%
75.3%	17,183	18,283	1,099	6.4%
76.5%	17,172	17,998	826	4.8%
77.8%	17,064	17,864	800	4.7%
79.0%	17,051	17,311	259	1.5%
80.2%	16,499	17,064	565	3.4%
81.5%	16,091	16,597	507	3.1%
82.7%	15,817	16,545	728	4.6%
84.0%	15,686	16,518	831	5.3%
85.2%	15,332	16,226	994	5.8%
86.4%	14,880	16,107	1,228	8.2%
87.7%	14,851	15,826	975	6.6%
88.9%	14,410	15,410	1,000	6.9%
90.1%	14,157	15,302	1,145	8.1%
91.4%	13,786	15,150	1,364	9.9%
92.6%	13,770	14,198	428	3.1%
93.8%	13,581	13,786	205	1.5%
95.1%	12,713	13,750	1,036	8.2%
96.3%	12,650	13,340	690	5.5%
97.5%	11,020	12,479	1,459	13.2%
98.8%	8,850	9,592	742	8.4%
100.0%	8,127	9,425	1,299	16.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,624	22,280	2,656	13.5%
1.2%	19,564	20,440	876	4.5%
2.5%	19,420	20,302	882	4.5%
3.7%	18,899	19,263	365	1.9%
4.9%	18,293	19,177	884	4.8%
6.2%	18,225	19,069	844	4.6%
7.4%	18,080	19,063	984	5.4%
8.6%	18,024	19,048	1,024	5.7%
9.9%	17,917	19,027	1,110	6.2%
11.1%	17,796	18,958	1,162	6.5%
12.3%	17,626	18,575	949	5.4%
13.6%	17,616	18,413	797	4.5%
14.8%	17,413	18,216	802	4.6%
16.0%	17,347	18,196	848	4.9%
17.3%	17,156	18,041	885	5.2%
18.5%	17,115	18,024	909	5.3%
19.8%	17,065	17,950	885	5.2%
21.0%	17,057	17,947	889	5.2%
22.2%	16,973	17,899	926	5.5%
23.5%	16,962	17,865	904	5.3%
24.7%	16,958	17,859	901	5.3%
25.9%	16,957	17,780	823	4.9%
27.2%	16,914	17,763	849	5.0%
28.4%	16,887	17,670	783	4.6%
29.6%	16,867	17,628	761	4.5%
30.9%	16,844	17,610	766	4.6%
32.1%	16,762	17,448	686	4.1%
33.3%	16,722	17,148	426	2.5%
34.6%	16,713	17,116	403	2.4%
35.8%	16,671	17,030	359	2.2%
37.0%	16,620	16,932	312	1.9%
38.3%	16,601	16,928	327	2.0%
39.5%	16,526	16,920	394	2.4%
40.7%	16,489	16,870	381	2.3%
42.0%	16,457	16,766	309	1.9%
43.2%	16,264	16,758	494	3.0%
44.4%	16,210	16,677	467	2.9%
45.7%	16,157	16,626	469	2.9%
46.9%	16,112	16,379	267	1.7%
48.1%	15,878	16,258	380	2.4%
49.4%	15,827	16,245	418	2.6%
50.6%	15,808	16,125	317	2.0%
51.9%	15,777	16,109	333	2.1%
53.1%	15,759	16,051	292	1.9%
54.3%	15,755	15,973	218	1.4%
55.6%	15,594	15,909	315	2.0%
56.8%	15,550	15,832	282	1.8%
58.0%	15,529	15,806	277	1.8%
59.3%	15,345	15,661	316	2.1%
60.5%	15,334	15,596	262	1.7%
61.7%	15,306	15,546	241	1.6%
63.0%	15,295	15,515	220	1.4%
64.2%	15,138	15,339	202	1.3%
65.4%	15,085	15,334	249	1.7%
66.7%	15,073	15,277	204	1.4%
67.9%	14,988	15,137	149	1.0%
69.1%	14,806	15,100	294	2.0%
70.4%	14,766	15,080	314	2.1%
71.6%	14,743	14,806	63	0.4%
72.8%	14,706	14,782	75	0.5%
74.1%	14,692	14,686	-6	0.0%
75.3%	14,277	14,282	5	0.0%
76.5%	14,231	14,079	-152	-1.1%
77.8%	14,080	13,904	-176	-1.3%
79.0%	13,455	13,779	324	2.4%
80.2%	13,108	13,705	597	4.6%
81.5%	13,005	13,618	614	4.7%
82.7%	12,665	13,293	628	5.0%
84.0%	12,557	13,135	578	4.6%
85.2%	12,183	13,041	859	7.0%
86.4%	10,545	12,896	2,351	22.3%
87.7%	10,131	12,684	2,553	25.2%
88.9%	9,359	12,422	3,062	32.7%
90.1%	9,130	12,395	3,265	35.8%
91.4%	8,791	12,332	3,541	40.3%
92.6%	8,663	11,999	3,336	38.5%
93.8%	8,325	11,512	3,187	38.3%
95.1%	7,540	10,099	2,558	33.9%
96.3%	7,390	9,879	2,489	33.7%
97.5%	7,227	8,843	1,616	22.4%
98.8%	7,050	7,670	620	8.8%
100.0%	7,023	7,622	599	8.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,274	31,272	-2	0.0%
1.2%	30,335	30,941	605	2.0%
2.5%	30,232	30,534	302	1.0%
3.7%	30,018	30,273	255	0.8%
4.9%	29,920	30,212	293	1.0%
6.2%	29,705	30,081	376	1.3%
7.4%	29,679	29,927	248	0.8%
8.6%	29,371	29,858	487	1.7%
9.9%	29,332	29,826	493	1.7%
11.1%	29,301	29,745	444	1.5%
12.3%	29,181	29,443	262	0.9%
13.6%	29,146	29,435	289	1.0%
14.8%	28,956	29,386	430	1.5%
16.0%	28,776	29,243	467	1.6%
17.3%	28,167	29,215	1,048	3.7%
18.5%	27,727	29,138	1,411	5.1%
19.8%	26,946	28,843	1,896	7.0%
21.0%	26,123	28,713	2,590	9.9%
22.2%	26,107	28,635	2,529	9.7%
23.5%	26,085	28,559	2,474	9.5%
24.7%	25,560	28,264	2,704	10.6%
25.9%	24,068	25,165	1,097	4.6%
27.2%	24,004	23,843	-161	-0.7%
28.4%	23,642	23,556	-86	-0.4%
29.6%	23,382	22,863	-519	-2.2%
30.9%	22,721	22,763	42	0.2%
32.1%	22,304	22,392	87	0.4%
33.3%	22,131	22,313	182	0.8%
34.6%	22,029	22,166	137	0.6%
35.8%	21,308	22,148	839	3.9%
37.0%	20,917	21,500	584	2.8%
38.3%	20,758	21,306	548	2.6%
39.5%	20,598	21,178	580	2.8%
40.7%	20,046	20,512	465	2.3%
42.0%	19,894	20,290	396	2.0%
43.2%	19,539	20,165	626	3.2%
44.4%	16,781	19,670	2,888	17.2%
45.7%	16,505	19,073	2,568	15.6%
46.9%	14,362	16,250	1,888	13.1%
48.1%	13,726	15,976	2,251	16.4%
49.4%	13,628	14,788	1,160	8.5%
50.6%	13,436	14,525	1,090	8.1%
51.9%	13,271	14,389	1,118	8.4%
53.1%	12,940	14,277	1,337	10.3%
54.3%	12,616	14,044	1,428	11.3%
55.6%	12,491	13,996	1,505	12.0%
56.8%	12,486	13,738	1,251	10.0%
58.0%	12,466	13,725	1,260	10.1%
59.3%	12,425	13,596	1,171	9.4%
60.5%	12,393	13,591	1,198	9.7%
61.7%	12,339	13,524	1,185	9.6%
63.0%	12,069	13,467	1,397	11.6%
64.2%	12,028	13,418	1,390	11.6%
65.4%	11,929	13,071	1,142	9.6%
66.7%	11,790	13,036	1,246	10.6%
67.9%	11,788	12,684	896	7.6%
69.1%	11,626	12,669	1,042	9.0%
70.4%	11,468	12,535	1,067	9.3%
71.6%	11,441	12,502	1,062	9.3%
72.8%	11,325	12,439	1,114	9.8%
74.1%	11,173	12,250	1,077	9.6%
75.3%	11,070	12,103	1,033	9.3%
76.5%	11,002	12,010	1,008	9.2%
77.8%	10,770	11,977	1,207	11.2%
79.0%	10,664	11,927	1,263	11.8%
80.2%	10,648	11,853	1,205	11.3%
81.5%	10,273	11,847	1,573	15.3%
82.7%	10,273	11,735	1,462	14.2%
84.0%	9,665	11,466	1,801	18.6%
85.2%	9,115	11,250	2,135	23.4%
86.4%	8,370	11,066	2,696	32.2%
87.7%	7,802	11,059	3,257	41.7%
88.9%	7,701	10,532	2,831	36.8%
90.1%	7,674	9,661	1,987	25.9%
91.4%	7,572	8,856	1,284	17.0%
92.6%	7,565	8,372	807	10.7%
93.8%	7,535	8,039	504	6.7%
95.1%	7,489	7,775	286	3.8%
96.3%	7,483	7,687	203	2.7%
97.5%	7,370	7,560	191	2.6%
98.8%	7,344	7,489	144	2.0%
100.0%	7,201	7,207	6	0.1%

Table SW-31-3a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	100	413	3,334	9,711	12,487	8,325	2,476	265	126	48	100	83
Alternative A	138	362	3,124	9,069	12,079	7,950	2,443	264	125	48	100	105
Difference	39	-51	-210	-642	-408	-375	-33	-1	-1	0	0	22
Percent Difference[3]		-12.3%	-6.3%	-6.6%	-3.3%	-4.5%	-1.3%					
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	86	622	4,191	26,131	31,005	21,378	6,583	631	256	48	143	102
Alternative A	86	565	3,933	25,048	30,424	20,939	6,583	628	253	48	143	172
Difference	0	-57	-258	-1,083	-581	-439	0	-2	-3	0	0	70
Percent Difference			-6.2%	-4.1%	-1.9%	-2.1%	0.0%					
Above Normal (15%)												
No Action Alternative	37	859	1,440	7,385	11,958	8,418	1,424	183	66	48	95	65
Alternative A	37	611	1,548	6,165	11,137	7,441	1,326	183	66	48	95	65
Difference	0	-248	108	-1,220	-821	-977	-98	0	0	0	0	0
Percent Difference		-28.8%	7.5%	-16.5%	-6.9%	-11.6%	-6.9%					
Below Normal (17%)												
No Action Alternative	286	278	3,321	1,047	2,780	693	568	67	66	48	114	86
Alternative A	521	245	2,860	722	2,384	527	457	67	66	48	114	86
Difference	236	-32	-461	-325	-395	-166	-112	0	0	0	0	0
Percent Difference	82.6%	-11.6%	-13.9%	-31.0%	-14.2%	-23.9%	-19.6%				0.0%	0.0%
Dry (22%)												
No Action Alternative	46	180	5,387	542	1,722	701	308	77	67	48	61	73
Alternative A	46	217	5,095	377	1,556	531	308	77	67	48	61	74
Difference	0	37	-292	-166	-166	-170	0	0	0	0	0	0
Percent Difference		20.8%	-5.4%	-30.5%	-9.6%	-24.2%	0.0%	0.0%				
Critical (15%)												
No Action Alternative	56	22	303	318	363	292	107	68	64	48	54	70
Alternative A	44	27	296	127	367	109	107	68	64	48	54	70
Difference	-12	5	-7	-191	4	-183	0	0	0	0	0	0
Percent Difference	-21.4%	22.4%	-2.3%	-60.1%	1.1%	-62.7%	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-31-3b
Yolo Bypass, Monthly Flow
Probability of Exceedance

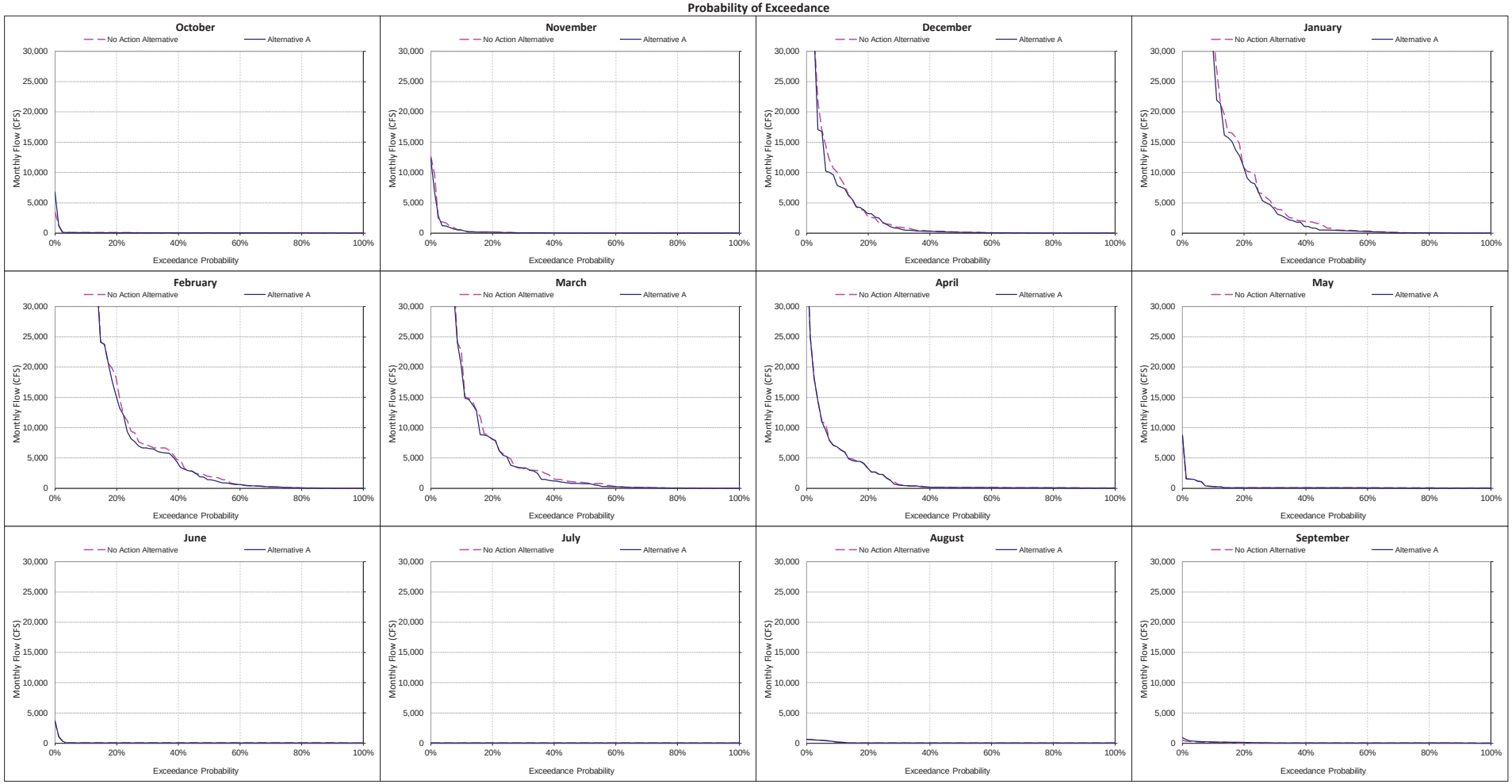

Table SW-31-3b
Yolo Bypass, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,483	6,785	3,302	94.8%
1.2%	1,201	1,201	0	0.0%
2.5%	138	126	-12	-8.6%
3.7%	132	93	-39	-29.4%
4.9%	100	76	-24	-23.8%
6.2%	93	75	-18	-19.3%
7.4%	76	64	-12	-15.6%
8.6%	75	63	-12	-15.8%
9.9%	64	63	-1	-1.4%
11.1%	63	63	0	-0.1%
12.3%	63	63	0	0.0%
13.6%	63	63	0	0.0%
14.8%	63	63	0	-0.7%
16.0%	63	63	0	-0.7%
17.3%	63	63	0	-0.3%
18.5%	63	62	-1	-1.8%
19.8%	63	62	-1	-1.8%
21.0%	62	61	0	-0.7%
22.2%	62	61	0	-0.7%
23.5%	61	61	0	-0.4%
24.7%	61	61	0	-0.7%
25.9%	61	60	-1	-1.1%
27.2%	61	60	-1	-1.1%
28.4%	60	59	-1	-1.8%
29.6%	60	58	-2	-3.7%
30.9%	59	58	-2	-3.0%
32.1%	58	56	-2	-2.7%
33.3%	58	54	-3	-5.5%
34.6%	56	54	-2	-3.5%
35.8%	54	54	0	-0.7%
37.0%	54	54	0	-0.8%
38.3%	54	53	-1	-1.2%
39.5%	54	53	-1	-1.2%
40.7%	53	53	0	-0.8%
42.0%	53	53	0	-0.8%
43.2%	53	52	0	-0.7%
44.4%	52	52	0	-0.6%
45.7%	52	50	-2	-3.0%
46.9%	50	49	-2	-3.3%
48.1%	49	46	-3	-5.7%
49.4%	46	45	0	-0.9%
50.6%	45	45	-1	-1.4%
51.9%	45	45	0	-0.5%
53.1%	45	44	-1	-1.4%
54.3%	44	43	0	-1.1%
55.6%	43	43	0	-0.5%
56.8%	43	42	-1	-2.0%
58.0%	42	42	0	-0.3%
59.3%	42	40	-2	-4.4%
60.5%	40	40	0	0.0%
61.7%	39	39	0	0.0%
63.0%	38	38	0	0.0%
64.2%	38	38	0	0.0%
65.4%	37	37	0	0.0%
66.7%	37	37	0	0.0%
67.9%	36	36	0	0.0%
69.1%	30	35	5	18.2%
70.4%	29	30	1	2.3%
71.6%	29	29	0	1.6%
72.8%	26	26	0	0.0%
74.1%	24	24	0	0.0%
75.3%	22	22	0	0.0%
76.5%	20	20	0	0.0%
77.8%	19	19	0	0.0%
79.0%	18	18	0	0.0%
80.2%	17	17	0	0.0%
81.5%	16	16	0	0.0%
82.7%	15	15	0	0.0%
84.0%	14	14	0	0.0%
85.2%	12	12	0	0.0%
86.4%	12	12	0	0.0%
87.7%	11	11	0	0.0%
88.9%	9	9	0	0.0%
90.1%	6	6	0	0.0%
91.4%	5	5	0	
92.6%	3	3	0	
93.8%	3	3	0	
95.1%	3	3	0	
96.3%	2	2	0	
97.5%	1	1	0	
98.8%	0	0	0	
100.0%	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%	12,700	12,393	-307	-2.4%
1.2%	9,819	6,848	-2,971	-30.3%
2.5%	2,057	2,812	755	36.7%
3.7%	1,840	1,209	-631	-34.3%
4.9%	1,666	1,157	-509	-30.6%
6.2%	1,168	933	-235	-20.1%
7.4%	933	655	-277	-29.7%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	121	0	0.0%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	66	-15	-18.7%
27.2%	66	51	-14	-21.9%
28.4%	51	50	-1	-1.6%
29.6%	50	49	-1	-2.4%
30.9%	49	38	-11	-23.2%
32.1%	37	37	0	0.0%
33.3%	36	36	1	1.4%
34.6%	35	36	1	1.4%
35.8%	35	35	0	0.0%
37.0%	25	35	10	40.0%
38.3%	20	25	5	
39.5%	12	24	12	
40.7%	10	12	2	
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	9	10	0	
48.1%	9	9	1	
49.4%	9	9	0	
50.6%	8	9	0	
51.9%	8	9	0	
53.1%	7	8	1	
54.3%	7	8	1	
55.6%	7	7	1	
56.8%	7	7	0	
58.0%	6	7	0	
59.3%	5	7	1	
60.5%	5	6	1	
61.7%	5	5	0	
63.0%	5	5	0	
64.2%	4	5	0	
65.4%	3	5	2	
66.7%	2	4	2	
67.9%	1	3	2	
69.1%	0	2	1	
70.4%	0	1	1	
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	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,534	55,652	118	0.2%
1.2%	33,854	33,820	-33	-0.1%
2.5%	32,587	33,087	500	1.5%
3.7%	21,703	17,077	-4,625	-21.3%
4.9%	17,072	16,749	-323	-1.9%
6.2%	14,512	10,230	-4,282	-29.5%
7.4%	12,098	10,012	-2,086	-17.2%
8.6%	10,736	9,595	-1,142	-10.6%
9.9%	10,097	7,855	-2,242	-22.2%
11.1%	8,912	7,599	-1,313	-14.7%
12.3%	7,896	7,320	-577	-7.3%
13.6%	6,264	6,195	-70	-1.1%
14.8%	5,603	5,538	-65	-1.2%
16.0%	4,427	4,308	-119	-2.7%
17.3%	3,872	4,219	347	9.0%
18.5%	3,804	3,827	23	0.6%
19.8%	2,817	3,222	405	14.4%
21.0%	2,614	3,176	562	21.5%
22.2%	2,489	2,635	145	5.8%
23.5%	1,715	2,476	761	44.4%
24.7%	1,711	1,736	25	1.5%
25.9%	1,498	1,426	-72	-4.8%
27.2%	1,426	1,047	-379	-26.6%
28.4%	1,047	828	-220	-21.0%
29.6%	976	800	-176	-18.0%
30.9%	967	605	-362	-37.4%
32.1%	800	470	-330	-41.3%
33.3%	790	442	-347	-44.0%
34.6%	605	411	-194	-32.0%
35.8%	470	350	-120	-25.6%
37.0%	442	330	-112	-25.4%
38.3%	411	294	-117	-28.5%
39.5%	350	285	-65	-18.6%
40.7%	330	280	-50	-15.3%
42.0%	294	265	-29	-9.9%
43.2%	281	195	-86	-30.7%
44.4%	280	192	-88	-31.4%
45.7%	265	158	-107	-40.5%
46.9%	195	158	-37	-19.2%
48.1%	192	138	-54	-28.0%
49.4%	178	135	-43	-24.3%
50.6%	158	122	-36	
51.9%	138	107	-31	
53.1%	135	102	-33	
54.3%	122	93	-29	
55.6%	107	91	-16	
56.8%	93	81	-11	
58.0%	81	63	-18	
59.3%	63	57	-7	
60.5%	57	57	0	
61.7%	55	42	-13	
63.0%	42	42	0	
64.2%	42	41	-2	
65.4%	41	37	-3	
66.7%	37	23	-15	
67.9%	23	20	-3	
69.1%	20	13	-7	
70.4%	13	10	-3	
71.6%	10	5	-5	
72.8%	5	1	-4	
74.1%	1	0	-1	
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	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	132,314	128,749	-3,566	-2.7%
1.2%	113,962	111,667	-2,295	-2.0%
2.5%	68,026	62,884	-5,141	-7.6%
3.7%	56,479	56,504	25	0.0%
4.9%	44,787	40,972	-3,815	-8.5%
6.2%	38,831	39,053	222	0.6%
7.4%	35,544	35,202	-342	-1.0%
8.6%	33,626	31,650	-1,976	-5.9%
9.9%	33,533	30,668	-2,865	-8.5%
11.1%	27,199	21,911	-5,288	-19.4%
12.3%	21,343	21,343	0	0.0%
13.6%	19,652	16,152	-3,499	-17.8%
14.8%	16,637	15,735	-902	-5.4%
16.0%	16,541	15,101	-1,439	-8.7%
17.3%	15,813	13,691	-2,122	-13.4%
18.5%	14,737	12,754	-1,984	-13.5%
19.8%	10,898	11,077	179	1.6%
21.0%	10,224	9,100	-1,125	-11.0%
22.2%	10,057	8,375	-1,682	-16.7%
23.5%	9,767	8,132	-1,635	-16.7%
24.7%	6,690	6,708	18	0.3%
25.9%	6,499	5,349	-1,149	-17.7%
27.2%	5,874	4,970	-905	-15.4%
28.4%	5,341	4,709	-633	-11.8%
29.6%	4,307	4,020	-287	-6.7%
30.9%	3,894	3,081	-813	-20.9%
32.1%	3,841	2,871	-969	-25.2%
33.3%	3,202	2,547	-655	-20.5%
34.6%	2,539	2,165	-374	-14.7%
35.8%	2,455	2,041	-414	-16.9%
37.0%	2,143	1,820	-324	-15.1%
38.3%	2,025	1,805	-220	-10.9%
39.5%	1,973	1,088	-885	-44.8%
40.7%	1,844	1,085	-759	-41.2%
42.0%	1,822	859	-963	-52.8%
43.2%	1,619	792	-827	-51.1%
44.4%	1,531	517	-1,014	-66.2%
45.7%	1,196	493	-703	-58.8%
46.9%	849	490	-360	-42.4%
48.1%	792	475	-317	-40.1%
49.4%	517	452	-65	-12.6%
50.6%	490	444	-46	-9.3%
51.9%	480	397	-83	
53.1%	447	374	-73	
54.3%	444	371	-73	
55.6%	397	342	-55	
56.8%	371	327	-45	
58.0%	342	281	-60	
59.3%	327	241	-86	
60.5%	326	232	-95	
61.7%	232	218	-14	
63.0%	218	214	-4	
64.2%	214	188	-26	
65.4%	188	132	-56	
66.7%	132	128	-3	
67.9%	128	102	-26	
69.1%	121	63	-57	
70.4%	63	62	-2	
71.6%	62	62	0	
72.8%	59	59	0	
74.1%	50	50	0	
75.3%	40	40	0	
76.5%	37	40	2	
77.8%	37	37	0	
79.0%	31	37	6	
80.2%	28	37	9	
81.5%	26	31	5	
82.7%	26	26	0	
84.0%	21	26	5	
85.2%	21	21	1	
86.4%	7	21	14	
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	

Table SW-31-3b
Yolo Bypass, 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%	124,217	123,229	-989	-0.8%
1.2%	111,977	113,524	1,547	1.4%
2.5%	78,828	75,780	-3,048	-3.9%
3.7%	66,577	66,579	2	0.0%
4.9%	65,305	65,335	30	0.0%
6.2%	49,718	48,796	-922	-1.9%
7.4%	45,689	47,948	2,259	4.9%
8.6%	44,758	43,775	-983	-2.2%
9.9%	44,641	42,529	-2,112	-4.7%
11.1%	41,339	41,306	-34	-0.1%
12.3%	40,903	37,232	-3,672	-9.0%
13.6%	36,410	34,020	-2,390	-6.6%
14.8%	24,165	24,116	-49	-0.2%
16.0%	23,731	23,751	20	0.1%
17.3%	20,629	20,648	19	0.1%
18.5%	19,815	17,748	-2,067	-10.4%
19.8%	18,422	15,428	-2,993	-16.2%
21.0%	14,808	13,241	-1,568	-10.6%
22.2%	12,092	12,107	15	0.1%
23.5%	11,163	9,335	-1,828	-16.4%
24.7%	9,422	8,151	-1,271	-13.5%
25.9%	9,126	7,649	-1,477	-16.2%
27.2%	7,655	6,934	-721	-9.4%
28.4%	7,376	6,674	-702	-9.5%
29.6%	7,210	6,656	-555	-7.7%
30.9%	6,945	6,517	-429	-6.2%
32.1%	6,672	6,460	-212	-3.2%
33.3%	6,654	6,060	-594	-8.9%
34.6%	6,651	5,920	-731	-11.0%
35.8%	6,648	5,826	-823	-12.4%
37.0%	6,292	5,802	-490	-7.8%
38.3%	5,608	5,187	-421	-7.5%
39.5%	4,759	4,416	-343	-7.2%
40.7%	4,631	3,422	-1,209	-26.1%
42.0%	3,322	3,153	-169	-5.1%
43.2%	2,887	2,894	7	0.3%
44.4%	2,823	2,828	5	0.2%
45.7%	2,410	2,418	8	0.3%
46.9%	2,361	1,890	-471	-20.0%
48.1%	2,309	1,827	-483	-20.9%
49.4%	1,999	1,406	-593	-29.7%
50.6%	1,882	1,365	-517	-27.5%
51.9%	1,819	1,277	-542	-29.8%
53.1%	1,720	1,031	-690	-40.1%
54.3%	1,406	880	-527	-37.4%
55.6%	1,365	879	-486	-35.6%
56.8%	879	744	-135	-15.4%
58.0%	744	629	-114	-15.4%
59.3%	629	625	-4	-0.7%
60.5%	596	596	0	
61.7%	468	468	0	
63.0%	425	425	0	
64.2%	389	389	0	
65.4%	389	389	0	
66.7%	355	355	0	
67.9%	303	303	0	
69.1%	229	243	14	
70.4%	227	229	2	
71.6%	219	219	0	
72.8%	193	193	0	
74.1%	137	137	0	
75.3%	112	112	0	
76.5%	110	110	0	
77.8%	85	85	0	
79.0%	81	81	0	
80.2%	52	52	0	
81.5%	41	50	9	
82.7%	26	26	0	
84.0%	26	26	0	
85.2%	22	24	2	
86.4%	19	19	0	
87.7%	3	2	-1	
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	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	118,509	118,515	5	0.0%
1.2%	114,483	109,126	-5,357	-4.7%
2.5%	65,783	65,798	15	0.0%
3.7%	46,880	43,875	-3,005	-6.4%
4.9%	42,175	42,173	-2	0.0%
6.2%	38,596	36,064	-2,532	-6.6%
7.4%	36,054	32,680	-3,374	-9.4%
8.6%	24,075	24,085	11	0.0%
9.9%	22,765	20,295	-2,470	-10.9%
11.1%	15,093	14,860	-233	-1.5%
12.3%	14,868	14,667	-201	-1.4%
13.6%	14,318	13,769	-549	-3.8%
14.8%	12,842	12,847	5	0.0%
16.0%	11,819	8,841	-2,978	-25.2%
17.3%	9,049	8,813	-236	-2.6%
18.5%	8,849	8,623	-226	-2.5%
19.8%	8,178	8,174	-4	0.0%
21.0%	7,854	7,863	9	0.1%
22.2%	6,211	6,214	3	0.0%
23.5%	5,699	5,462	-237	-4.2%
24.7%	5,223	5,232	9	0.2%
25.9%	4,862	3,823	-1,040	-21.4%
27.2%	3,623	3,623	0	0.0%
28.4%	3,431	3,378	-53	-1.5%
29.6%	3,350	3,359	9	0.3%
30.9%	3,128	3,333	205	6.5%
32.1%	2,984	2,986	2	0.1%
33.3%	2,975	2,837	-137	-4.6%
34.6%	2,937	2,485	-452	-15.4%
35.8%	2,835	1,488	-1,346	-47.5%
37.0%	2,485	1,450	-1,035	-41.7%
38.3%	2,241	1,306	-935	-41.7%
39.5%	1,601	1,208	-393	-24.6%
40.7%	1,480	1,169	-311	-21.0%
42.0%	1,446	1,028	-418	-28.9%
43.2%	1,306	969	-337	-25.8%
44.4%	1,169	868	-301	-25.8%
45.7%	1,088	799	-289	-26.6%
46.9%	1,028	780	-248	-24.1%
48.1%	982	778	-204	-20.7%
49.4%	969	775	-193	-20.0%
50.6%	865	738	-126	-14.6%
51.9%	798	697	-100	-12.6%
53.1%	780	550	-230	-29.5%
54.3%	778	475	-304	-39.0%
55.6%	772	313	-460	-59.5%
56.8%	475	306	-169	-35.6%
58.0%	464	268	-196	-42.2%
59.3%	313	257	-56	
60.5%	257	244	-13	
61.7%	244	220	-24	
63.0%	220	169	-50	
64.2%	169	150	-20	
65.4%	150	148	-2	
66.7%	148	130	-18	
67.9%	130	119	-11	
69.1%	119	113	-6	
70.4%	113	80	-33	
71.6%	80	77	-3	
72.8%	77	65	-12	
74.1%	65	62	-4	
75.3%	62	49	-13	
76.5%	50	48	-2	
77.8%	49	47	-2	
79.0%	47	45	-2	
80.2%	45	36	-9	
81.5%	36	30	-6	
82.7%	30	28	-2	
84.0%	28	19	-9	
85.2%	19	13	-6	
86.4%	13	7	-6	
87.7%	7	7	0	
88.9%	7	7	0	
90.1%	7	4	-3	
91.4%	4	2	-1	
92.6%	2	0	-2	
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	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,036	41,044	8	0.0%
1.2%	24,931	24,925	-6	0.0%
2.5%	18,192	18,193	1	0.0%
3.7%	14,426	14,423	-3	0.0%
4.9%	10,979	10,981	1	0.0%
6.2%	10,730	9,557	-1,173	-10.9%
7.4%	7,898	7,893	-5	-0.1%
8.6%	7,096	7,096	0	0.0%
9.9%	6,839	6,840	1	0.0%
11.1%	6,314	6,316	2	0.0%
12.3%	5,983	5,988	5	0.1%
13.6%	4,932	4,846	-86	-1.7%
14.8%	4,846	4,556	-290	-6.0%
16.0%	4,555	4,458	-97	-2.1%
17.3%	4,458	4,420	-38	-0.8%
18.5%	4,099	4,097	-2	0.0%
19.8%	3,336	3,336	0	0.0%
21.0%	2,671	2,671	0	0.0%
22.2%	2,662	2,662	0	0.0%
23.5%	2,293	2,293	0	0.0%
24.7%	2,264	2,265	1	0.0%
25.9%	1,697	1,697	1	0.0%
27.2%	1,315	1,315	0	0.0%
28.4%	1,095	668	-427	-39.0%
29.6%	668	558	-110	-16.5%
30.9%	558	445	-113	-20.2%
32.1%	445	418	-27	-6.1%
33.3%	418	388	-30	-7.1%
34.6%	388	385	-4	-0.9%
35.8%	385	383	-2	-0.5%
37.0%	383	250	-132	-34.6%
38.3%	250	198	-53	-21.0%
39.5%	198	176	-22	-11.0%
40.7%	179	172	-7	-4.0%
42.0%	176	167	-9	-5.3%
43.2%	167	159	-8	-4.7%
44.4%	159	150	-9	-5.6%
45.7%	150	142	-8	-5.3%
46.9%	142	139	-3	-2.2%
48.1%	139	139	0	-0.2%
49.4%	139	131	-8	-5.7%
50.6%	131	120	-11	-8.6%
51.9%	120	119	0	
53.1%	119	119	0	
54.3%	119	116	-3	
55.6%	116	115	-1	
56.8%	115	114	-1	
58.0%	114	112	-2	
59.3%	112	111	-1	
60.5%	111	111	-1	
61.7%	111	109	-2	
63.0%	109	103	-6	
64.2%	103	99	-3	
65.4%	99	95	-4	
66.7%	95	95	-1	
67.9%	95	90	-4	
69.1%	90	87	-3	
70.4%	87	87	0	
71.6%	87	86	-1	
72.8%	86	85	-1	
74.1%	85	85	0	
75.3%	85	82	-3	
76.5%	82	81	0	
77.8%	81	80	-1	
79.0%	80	78	-2	
80.2%	78	76	-2	
81.5%	76	72	-4	
82.7%	72	71	-2	
84.0%	71	65	-5	
85.2%	65	64	-1	
86.4%	64	62	-2	
87.7%	62	58	-5	
88.9%	58	56	-2	
90.1%	56	55	0	
91.4%	55	55	0	
92.6%	55	55	0	
93.8%	55	54	-1	
95.1%	54	50	-4	
96.3%	50	49	-1	
97.5%	49	45	-4	
98.8%	45	43	-2	
100.0%	42	42	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,809	8,776	-34	-0.4%
1.2%	1,544	1,545	1	0.0%
2.5%	1,506	1,507	1	0.0%
3.7%	1,485	1,486	1	0.1%
4.9%	1,187	1,166	-20	-1.7%
6.2%	1,078	1,076	-3	-0.2%
7.4%	394	394	1	0.2%
8.6%	326	327	1	0.2%
9.9%	278	278	0	0.0%
11.1%	256	249	-7	-2.8%
12.3%	248	248	0	0.0%
13.6%	82	82	0	0.0%
14.8%	80	80	0	0.0%
16.0%	80	80	0	0.0%
17.3%	79	79	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%	77	77	0	0.0%
23.5%	77	77	0	0.0%
24.7%	77	77	0	0.0%
25.9%	76	76	0	0.0%
27.2%	75	75	0	0.0%
28.4%	74	74	0	0.0%
29.6%	73	73	0	0.0%
30.9%	73	73	0	0.0%
32.1%	73	73	0	0.0%
33.3%	72	72	0	0.0%
34.6%	72	72	0	0.0%
35.8%	71	71	0	0.0%
37.0%	71	71	0	0.0%
38.3%	71	71	0	0.0%
39.5%	70	70	0	0.0%
40.7%	70	70	0	0.0%
42.0%	70	70	0	0.0%
43.2%	70	70	0	0.0%
44.4%	69	69	0	0.0%
45.7%	69	69	0	0.0%
46.9%	69	69	0	0.0%
48.1%	68	68	0	0.0%
49.4%	68	68	0	0.0%
50.6%	68	68	0	0.0%
51.9%	68	68	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	66	66	0	0.0%
56.8%	66	66	0	0.0%
58.0%	65	65	0	0.0%
59.3%	65	65	0	0.0%
60.5%	64	64	0	0.0%
61.7%	64	64	0	0.0%
63.0%	64	64	0	0.0%
64.2%	64	64	0	0.0%
65.4%	64	64	0	0.0%
66.7%	63	63	0	0.0%
67.9%	63	63	0	0.0%
69.1%	63	63	0	0.0%
70.4%	63	63	0	0.0%
71.6%	63	63	0	0.0%
72.8%	62	62	0	0.0%
74.1%	62	62	0	0.0%
75.3%	61	61	0	0.0%
76.5%	61	61	0	0.0%
77.8%	60	60	0	0.0%
79.0%	59	59	0	0.0%
80.2%	58	58	0	0.0%
81.5%	58	58	0	0.0%
82.7%	58	58	0	0.0%
84.0%	56	56	0	0.0%
85.2%	55	55	0	0.0%
86.4%	55	55	0	0.0%
87.7%	54	54	0	0.0%
88.9%	53	53	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	53	0	0.0%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.0%
95.1%	50	50	0	0.0%
96.3%	47	47	0	0.0%
97.5%	46	46	0	0.0%
98.8%	45	45	0	0.0%
100.0%	40	40	0	0.0%

Table SW-31-3b
Yolo Bypass, 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%	3,730	3,645	-85	-2.3%
1.2%	1,081	1,082	0	0.0%
2.5%	349	349	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	48	0	0.0%
1.2%	48	48	0	0.0%
2.5%	48	48	0	0.0%
3.7%	48	48	0	0.0%
4.9%	48	48	0	0.0%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	628	628	0	0.0%
1.2%	610	610	0	0.0%
2.5%	549	549	0	0.0%
3.7%	502	502	0	0.0%
4.9%	486	486	0	0.0%
6.2%	431	431	0	0.0%
7.4%	366	366	0	0.0%
8.6%	302	302	0	0.0%
9.9%	165	172	7	4.1%
11.1%	164	164	0	0.0%
12.3%	126	126	0	0.0%
13.6%	60	60	0	0.0%
14.8%	55	55	0	0.0%
16.0%	55	55	0	0.0%
17.3%	55	55	0	0.0%
18.5%	55	55	0	0.0%
19.8%	55	55	0	0.0%
21.0%	55	55	0	0.0%
22.2%	55	55	0	0.0%
23.5%	55	55	0	0.0%
24.7%	55	55	0	0.0%
25.9%	55	55	0	0.0%
27.2%	55	55	0	0.0%
28.4%	55	55	0	0.0%
29.6%	55	55	0	0.0%
30.9%	55	55	0	0.0%
32.1%	55	55	0	0.0%
33.3%	55	55	0	0.0%
34.6%	55	55	0	0.0%
35.8%	55	55	0	0.0%
37.0%	55	55	0	0.0%
38.3%	55	55	0	0.0%
39.5%	55	55	0	0.0%
40.7%	55	55	0	0.0%
42.0%	55	55	0	0.0%
43.2%	55	55	0	0.0%
44.4%	55	55	0	0.0%
45.7%	55	55	0	0.0%
46.9%	55	55	0	0.0%
48.1%	55	55	0	0.0%
49.4%	55	55	0	0.0%
50.6%	55	55	0	0.0%
51.9%	55	55	0	0.0%
53.1%	55	55	0	0.0%
54.3%	55	55	0	0.0%
55.6%	55	55	0	0.0%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.0%
76.5%	55	55	0	0.0%
77.8%	55	55	0	0.0%
79.0%	55	55	0	0.0%
80.2%	55	55	0	0.0%
81.5%	55	55	0	0.0%
82.7%	55	55	0	0.0%
84.0%	55	55	0	0.0%
85.2%	54	54	0	0.0%
86.4%	54	54	0	0.0%
87.7%	54	54	0	0.0%
88.9%	54	54	0	0.0%
90.1%	54	54	0	0.0%
91.4%	54	54	0	0.0%
92.6%	54	54	0	0.0%
93.8%	54	54	0	0.0%
95.1%	53	53	0	0.0%
96.3%	52	52	0	0.0%
97.5%	50	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	42	42	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	525	945	421	80.1%
1.2%	351	589	238	67.9%
2.5%	274	366	92	33.7%
3.7%	251	355	104	41.7%
4.9%	192	326	134	69.8%
6.2%	168	274	106	62.8%
7.4%	164	258	93	56.6%
8.6%	164	251	86	52.4%
9.9%	164	192	28	16.7%
11.1%	162	169	8	4.9%
12.3%	161	168	7	4.2%
13.6%	153	164	11	7.2%
14.8%	128	164	36	28.2%
16.0%	96	164	69	71.9%
17.3%	88	162	73	83.0%
18.5%	72	153	82	114.3%
19.8%	64	128	64	100.3%
21.0%	62	115	54	86.8%
22.2%	61	96	35	56.9%
23.5%	60	88	29	47.7%
24.7%	59	80	21	34.8%
25.9%	59	72	12	20.8%
27.2%	59	64	5	8.0%
28.4%	59	61	2	2.9%
29.6%	59	60	0	0.8%
30.9%	59	59	0	0.1%
32.1%	59	59	0	0.0%
33.3%	59	59	0	0.0%
34.6%	59	59	0	0.0%
35.8%	59	59	0	0.0%
37.0%	59	59	0	0.0%
38.3%	59	59	0	0.0%
39.5%	59	59	0	0.0%
40.7%	59	59	0	0.0%
42.0%	59	59	0	0.0%
43.2%	59	59	0	0.0%
44.4%	59	59	0	0.0%
45.7%	59	59	0	0.0%
46.9%	59	59	0	0.0%
48.1%	59	59	0	0.0%
49.4%	59	59	0	0.0%
50.6%	59	59	0	0.0%
51.9%	59	59	0	0.0%
53.1%	59	59	0	0.0%
54.3%	59	59	0	0.0%
55.6%	59	59	0	0.0%
56.8%	59	59	0	0.2%
58.0%	59	59	0	0.2%
59.3%	59	59	0	0.2%
60.5%	59	59	0	0.5%
61.7%	59	59	0	0.4%
63.0%	59	59	0	0.6%
64.2%	59	59	1	1.1%
65.4%	59	59	0	0.7%
66.7%	58	59	1	1.1%
67.9%	58	59	0	0.4%
69.1%	58	58	0	0.0%
70.4%	58	58	0	0.5%
71.6%	58	58	0	0.5%
72.8%	57	58	1	1.3%
74.1%	57	58	1	1.6%
75.3%	57	57	1	1.3%
76.5%	56	57	1	2.0%
77.8%	56	57	1	1.2%
79.0%	55	56	0	0.8%
80.2%	55	55	0	0.6%
81.5%	55	55	0	0.4%
82.7%	55	55	0	0.6%
84.0%	55	55	0	0.0%
85.2%	54	55	1	1.7%
86.4%	53	54	0	0.4%
87.7%	53	53	1	1.1%
88.9%	53	53	0	0.0%
90.1%	52	52	0	0.0%
91.4%	52	52	0	0.0%
92.6%	51	51	0	0.0%
93.8%	50	50	0	0.0%
95.1%	49	49	0	0.0%
96.3%	45	45	0	0.0%
97.5%	24	24	0	0.0%
98.8%	23	23	0	0.0%
100.0%	23	23	0	0.0%

Table SW-32-3a
Sacramento River at Rio Vista, 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	6,113	11,761	21,808	36,607	43,748	35,570	21,369	15,233	9,854	10,571	7,897	11,368
Alternative A	7,025	12,416	21,194	35,095	42,405	34,242	21,150	15,238	10,273	12,016	8,477	12,218
Difference	912	655	-614	-1,512	-1,343	-1,328	-219	5	419	1,445	581	850
Percent Difference[3]	14.9%	5.6%	-2.8%	-4.1%	-3.1%	-3.7%	-1.0%	0.0%	4.3%	13.7%	7.4%	7.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,204	16,661	24,661	69,998	79,890	63,502	38,396	26,691	16,443	10,904	8,560	21,672
Alternative A	10,055	17,264	23,713	68,422	78,643	62,834	38,271	26,726	17,334	12,468	8,694	22,624
Difference	1,851	604	-948	-1,575	-1,246	-668	-125	34	890	1,564	134	952
Percent Difference	22.6%	3.6%	-3.8%	-2.3%	-1.6%	-1.1%	-0.3%	0.1%	5.4%	14.3%	1.6%	4.4%
Above Normal (15%)												
No Action Alternative	6,408	13,579	21,114	40,531	50,459	45,585	22,716	16,694	9,945	12,300	8,916	12,009
Alternative A	7,308	14,847	20,047	37,813	48,343	43,994	22,288	16,624	9,860	15,656	9,032	12,541
Difference	900	1,268	-1,067	-2,718	-2,115	-1,591	-428	-71	-86	3,356	116	532
Percent Difference	14.1%	9.3%	-5.1%	-6.7%	-4.2%	-3.5%	-1.9%	-0.4%	-0.9%	27.3%	1.3%	4.4%
Below Normal (17%)												
No Action Alternative	6,600	11,868	25,744	20,280	29,020	19,870	14,420	10,613	6,937	11,865	8,383	6,096
Alternative A	7,520	12,707	25,680	18,056	27,916	18,089	14,114	10,446	7,468	13,030	8,792	7,235
Difference	920	839	-65	-2,224	-1,104	-1,781	-306	-167	531	1,166	409	1,139
Percent Difference	13.9%	7.1%	-0.3%	-11.0%	-3.8%	-9.0%	-2.1%	-1.6%	7.7%	9.8%	4.9%	18.7%
Dry (22%)												
No Action Alternative	4,539	8,480	23,222	14,834	19,424	17,402	10,437	7,952	6,155	10,363	8,376	5,425
Alternative A	4,534	9,028	22,915	13,998	17,974	15,195	10,109	8,054	6,346	11,198	9,464	6,260
Difference	-4	548	-307	-837	-1,450	-2,207	-329	102	191	834	1,088	835
Percent Difference	-0.1%	6.5%	-1.3%	-5.6%	-7.5%	-12.7%	-3.1%	1.3%	3.1%	8.1%	13.0%	15.4%
Critical (15%)												
No Action Alternative	3,080	4,123	9,605	12,044	12,401	10,605	7,638	5,259	4,436	6,921	4,155	3,470
Alternative A	3,335	4,222	9,069	11,694	11,500	9,954	7,689	5,331	4,552	7,437	5,606	4,100
Difference	255	99	-536	-350	-901	-650	51	72	117	515	1,452	630
Percent Difference	8.3%	2.4%	-5.6%	-2.9%	-7.3%	-6.1%	0.7%	1.4%	2.6%	7.4%	34.9%	18.1%

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
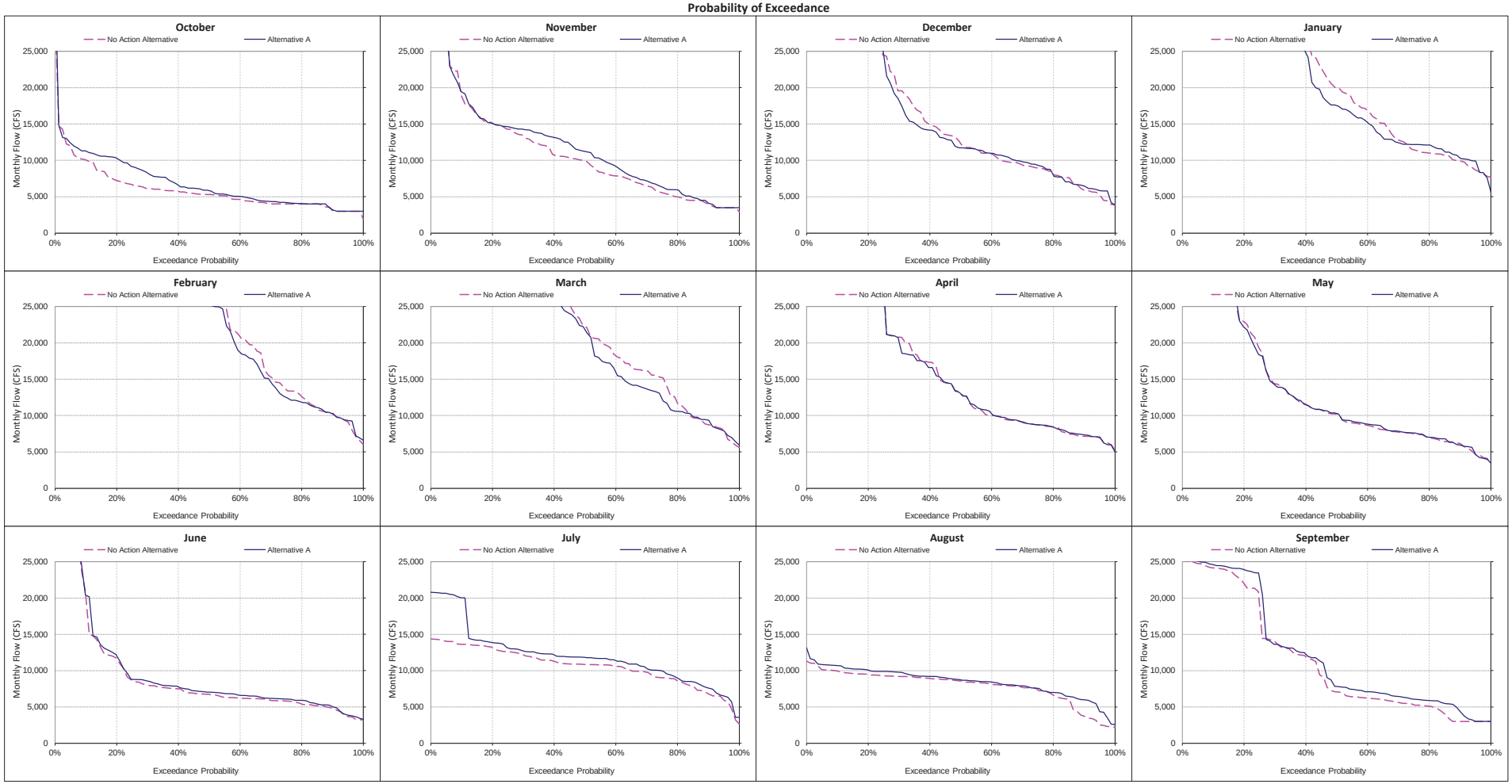
Figure SW-32-3b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance