

3.4.10 *EBMUD-as-Delta-Export study*

The CALSIM II studies presented in this appendix are all based on the assumption that, for the purposes of the Coordinated Operations Agreement (COA), EBMUD’s diversions at Freeport are a Sacramento Valley inbasin use. To test the sensitivity of the modeling results to this assumption, a side-bar modeling study was prepared in which EBMUD’s diversions were assumed instead to be a Delta export (side-bar study). The side-bar study was for Alternatives 2-5, 2001 LOD. The results of the base Alternatives 2-5 CALSIM II study (base study) and those for the side-bar study are compared in this section of the Modeling Technical Appendix.

Figures 3.4.10-1 through 3.4.10-4 plot selected CVP and SWP parameters expressed as a percentage of the maximum value in Alternative 1. Values for Alternative 1, the base Alternatives 2-5 study and the side-bar study are displayed for the periods indicated.

Table 3.4.10-1 lists long-term and dry-year average values for project diversions, system flows, system storage, and deliveries. The difference between simulation results for the base study and the side-bar study is also shown in this table, expressed in both TAF/yr and percent change from the base study.

The difference in annual average values between the base and side-bar studies are listed in Tables 3.4.10-2 and 3.4.10-3 for each of the 72 years simulated. Table 3.4.10-2 focuses on the CVP system, while Table 3.4.10-3 lists SWP system parameters.

The following is a key to the abbreviations used in Tables 3.4.10-2 and 3.4.10-3.

CVPagSys	CVP deliveries to North-of-Delta agricultural contractors
CVPmiSys	CVP deliveries to North-of-Delta municipal and industrial contractors
CVPagS	CVP deliveries to South-of-Delta agricultural contractors
CVPmiS	CVP deliveries to South-of-Delta municipal and industrial contractors
SWPag	SWP deliveries to North-of-Delta agricultural contractors (not including Feather River Service Area)
SWPmwd	SWP deliveries to the Metropolitan Water District
SWPmi	SWP deliveries municipal and industrial contractors (including Metropolitan Water District)
Feather	SWP deliveries to Feather River Service Area
Int.	SWP Article 21 Interruptible supplies

Figure 3.4.10-1 Comparison of Selected CVP and SWP Parameters, Sensitivity to COA Assumption, Alternatives 2-5, 2001 LOD (Average of All Years)

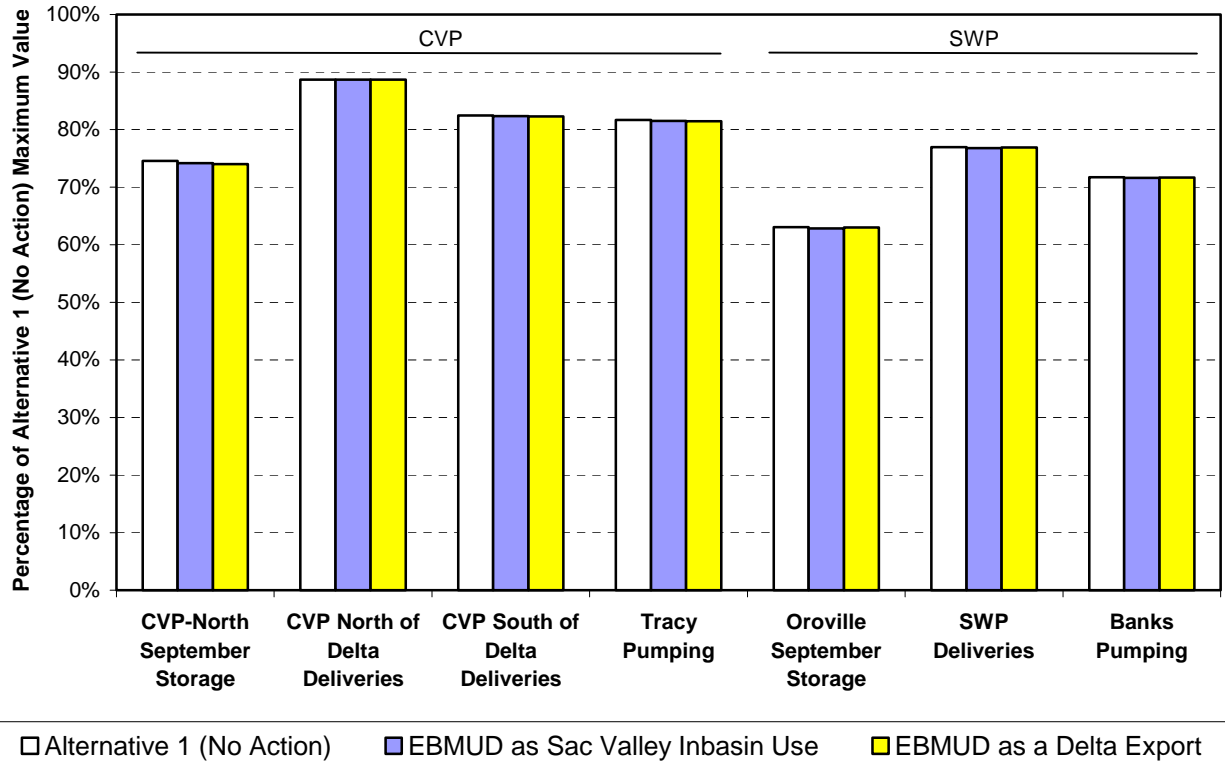


Figure 3.4.10-2 Comparison of Selected CVP and SWP Parameters, Sensitivity to COA Assumption, Alternatives 2-5, 2001 LOD (Dry Period WY 1928-1934)

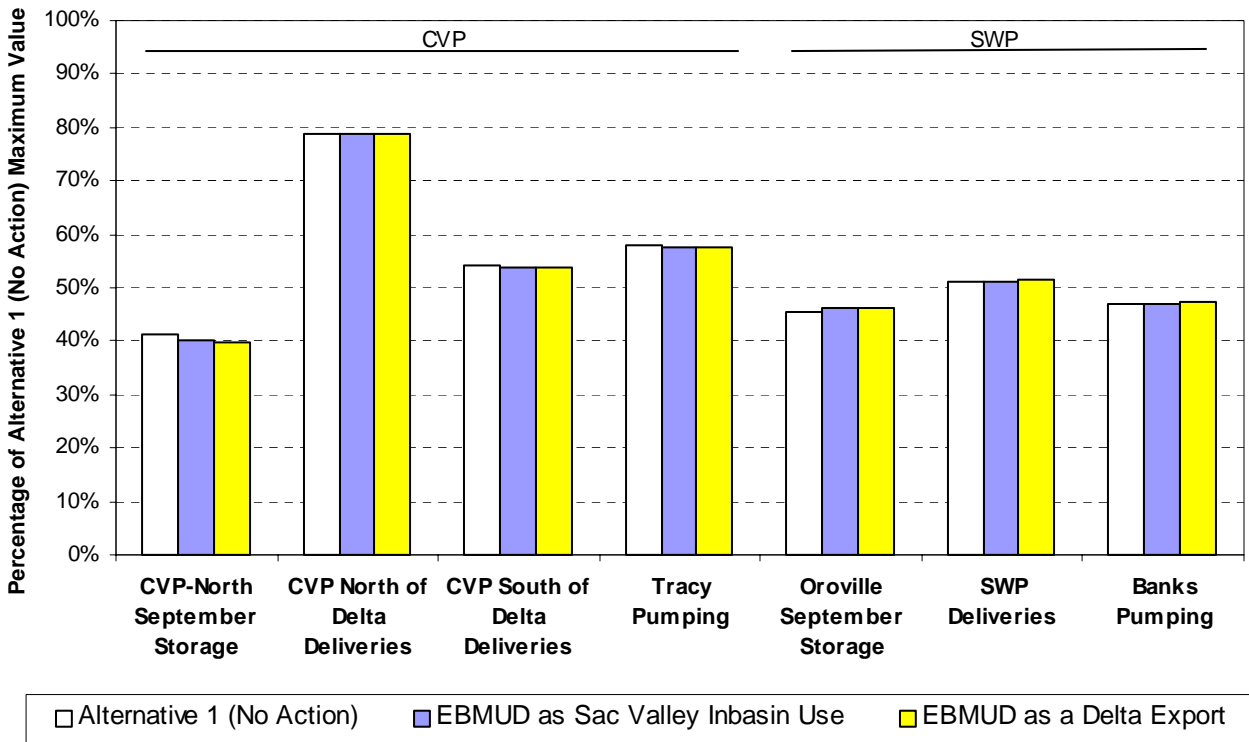


Figure 3.4.10-3 Comparison of Selected CVP and SWP Parameters, Sensitivity to COA Assumption, Alternatives 2-5, 2001 LOD (Dry Period WY 1976-1977)

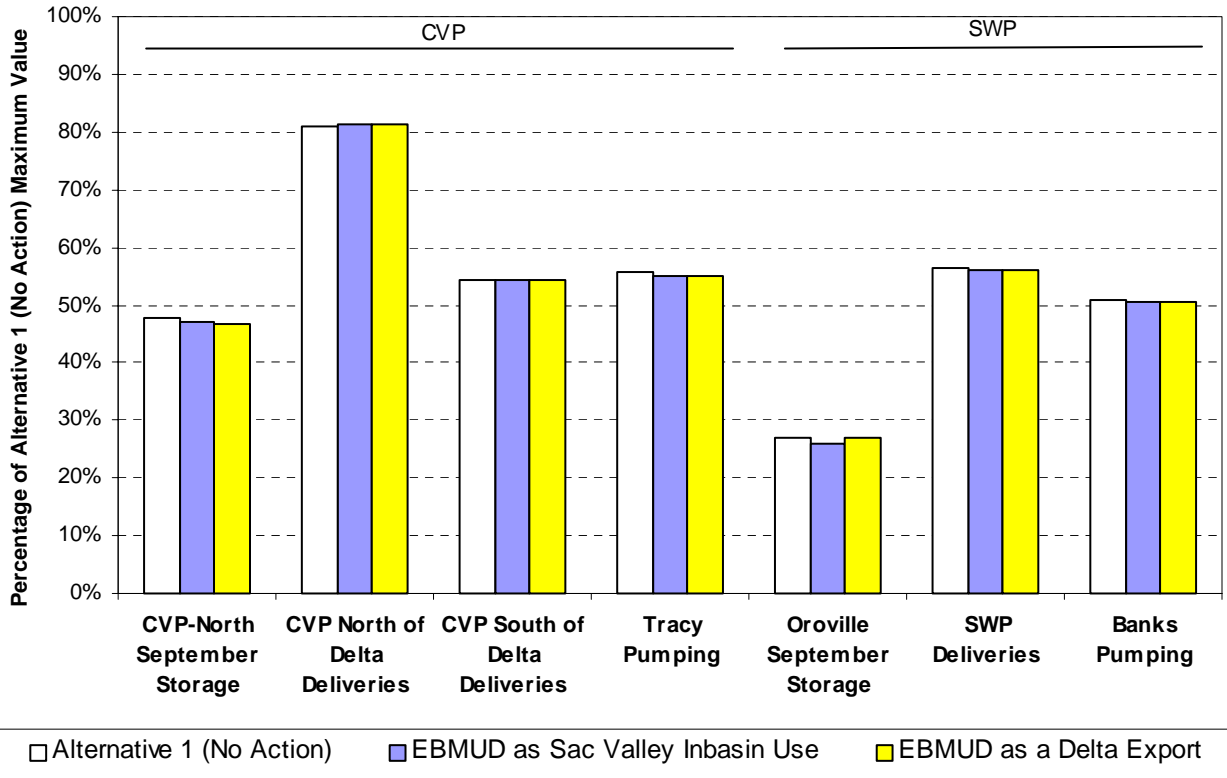


Figure 3.4.10-4 Comparison of Selected CVP and SWP Parameters, Sensitivity to COA Assumption, Alternatives 2-5, 2001 LOD (Dry Period WY 1987-1992)

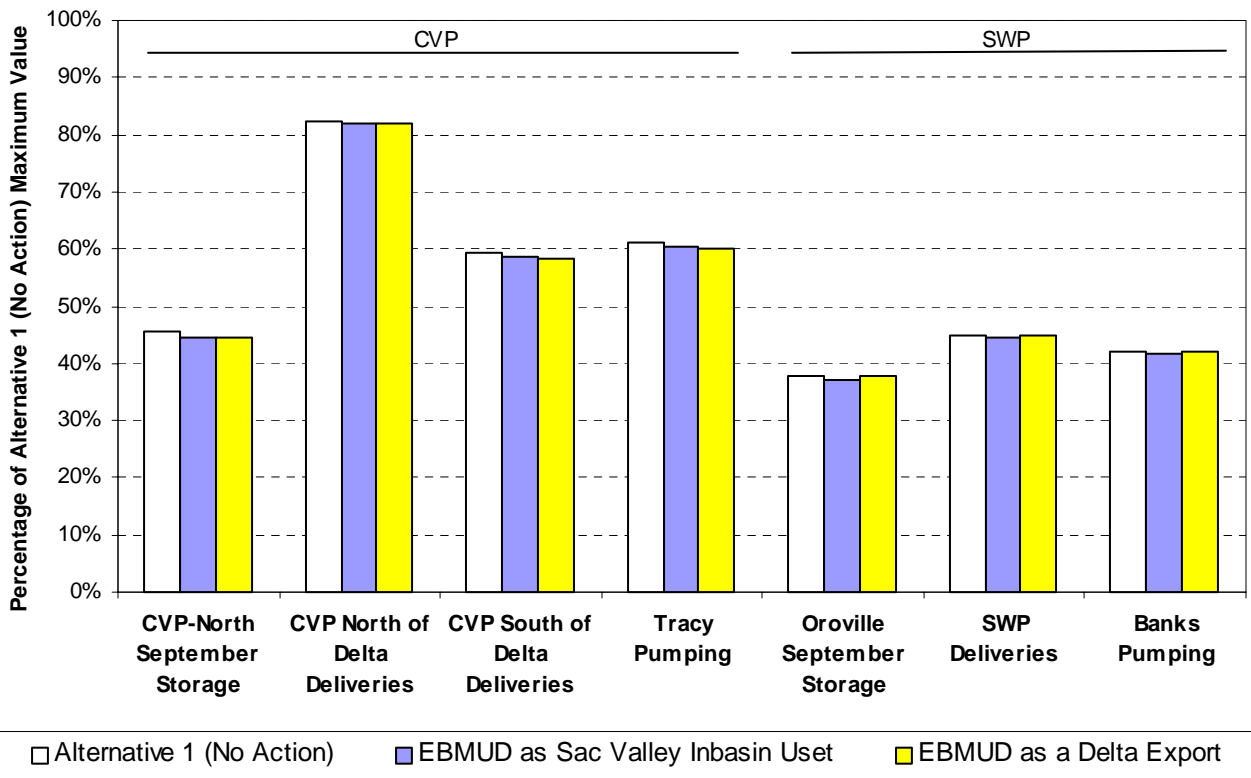


Table 3.4.10-1 Summary, EBMUD-as-Sacramento-River-inbasin-use study compared with EBMUD-as-Delta-export study, Alternatives 2-5, 2001 LOD

	Inbasin study		Export study		Inbasin study minus Export study			
	All years	Dry period	All years	Dry period	All years	Dry period	Average	Dry
	TAF/yr	TAF/yr	TAF/yr	TAF/yr	TAF/yr	TAF/yr	% change	% change
FRWP Deliveries								
EBMUD CVP	23	43	23	43	0	0	0.0%	0.0%
SCWA CVP	40	29	39	29	0	0	-0.1%	-0.1%
SCWA Appropriated Excess	17	9	17	9	0	0	1.0%	0.1%
SCWA "Other" Water	15	17	15	17	0	0	0.0%	0.0%
System Flows (Average Annual Values)								
Total Delta Inflow	21,120	11,624	21,119	11,629	-1	5	0.0%	0.0%
Total Delta Outflow	14,440	6,593	14,439	6,592	-1	0	0.0%	0.0%
Tracy Export	2,296	1,626	2,294	1,623	-2	-2	-0.1%	-0.1%
Banks Export CVP	164	64	165	62	1	-1	0.6%	-1.8%
Banks Export SWP	2,999	1,889	3,001	1,897	2	9	0.1%	0.5%
Total Delta Export	5,566	3,772	5,566	3,777	0	5	0.0%	0.1%
Trinity Import	692	447	692	447	1	0	0.1%	-0.1%
Trinity River	526	418	526	418	0	0	-0.1%	0.0%
Keswick Release	6,235	4,378	6,235	4,382	1	4	0.0%	0.1%
Oroville Release	3,839	2,630	3,837	2,631	-2	1	-0.1%	0.0%
Folsom Release	2,528	1,613	2,528	1,612	0	0	0.0%	0.0%
System Storage (End of September)								
Trinity Storage	1,314	594	1,311	586	-3	-8	-0.2%	-1.3%
Whiskeytown Lake	234	226	234	221	0	-4	-0.2%	-1.9%
Shasta Storage	2,656	1,452	2,651	1,440	-5	-12	-0.2%	-0.8%
Folsom Lake	498	381	498	379	0	-2	0.0%	-0.5%
Total CVP North-of-Delta Storage	4,702	2,652	4,694	2,626	-8	-26	-0.2%	-1.0%
Oroville Storage	2,105	1,542	2,112	1,547	6	5	0.3%	0.3%
CVP SL Storage	260	308	259	307	0	-2	-0.1%	-0.5%
SWP SL Storage	308	269	308	278	1	9	0.2%	3.5%
Total San Luis Storage	568	577	568	585	0	8	0.0%	1.4%
North of Delta Deliveries								
CVP Delivery Settlement NoD	1,836	1,774	1,836	1,774	0	0	0.0%	0.0%
CVP Delivery Ag Service NoD	237	61	237	61	0	-1	-0.2%	-0.9%
CVP Delivery M&I NoD	31	29	31	29	0	0	0.0%	0.0%
CVP Delivery Refuge NoD	106	95	106	95	0	0	0.0%	0.0%
Total CVP Delivery NoD	2,210	1,959	2,209	1,959	0	0	0.0%	0.0%
CCWD M&I	144	142	144	142	0	0	0.0%	0.0%
SWP Feather River Delivery	990	901	990	901	0	0	0.0%	0.0%
Feather River NP Surface Water Use	294	294	294	294	0	0	0.0%	0.0%
North of Delta NP Surface Water Use	3,542	3,532	3,542	3,532	0	0	0.0%	0.0%
South of Delta Deliveries								
CVP Delivery Exchange SoD	849	759	849	759	0	0	0.0%	0.0%
CVP Delivery Ag Service SoD	1078	352	1075	349	-2	-3	-0.2%	-0.8%
CVP Delivery M&I SoD	124	94	124	94	0	0	-0.1%	-0.1%
CVP Delivery Refuge SoD	280	252	280	252	0	0	0.0%	0.0%
Total CVP Delivery South w/ CVC	2591	1663	2588	1659	-2	-3	-0.1%	-0.2%
SWP Delivery MWD	1330	949	1332	952	2	4	0.1%	0.4%
SWP Entitlement A Delivery	3071	2026	3074	2035	3	9	0.1%	0.4%
SWP Article 21 Delivery	136	113	136	114	0	1	-0.2%	1.2%

Note

- 1) "All years" is the average annual value for the 72-year simulation period (WY1922-1993).
- 2) "Dry period" is the average annual value for the WY1928-1934 dry period.
- 3) Annual values are based on water years (From October through September).
- 4) SWP Entitlement A Delivery includes MWD Delivery but not Article 21 Delivery.
- 5) CCWD is not included in either North or South of Delta.
- 6) Delivery values are taken from JPOD steps of CALSIM simulation and the rest are taken from EWA steps.
- 7) Reported CVP North M&I deliveries do not include American River division and FRWP deliveries.

Table 3.4.10-2 Annual Comparison for CVP System, EBMUD-as-Sacramento-River-inbasin-use study compared with EBMUD-as-Delta-export study, Alternatives 2-5, 2001 LOD

Year	Sac River Index	September Storage (TAF)					Delta Export (TAF)		CVP Deliveries (TAF)				CVP Deliveries (% change)				
		Trinity	Shasta	Folsom	TotCVP_N	CVP SL	Tracy	BanksCVP	CVPAg_N	CVPmi_N	CVPAg_S	CVPmi_S	CVPagSys	CVPmiSys	CVPagS	CVPmiS	
1922	2	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1923	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1924	5	-1	-6	-6	-13	0	1	0	0	0	1	0	0	0.07%	0.07%	0.07%	0.07%
1925	4	-1	-4	0	-5	0	-2	0	-1	0	-3	0	0	-0.27%	0.00%	-0.27%	0.00%
1926	4	-16	9	-2	-9	-4	-12	9	0	0	-2	0	0	-0.06%	-0.06%	-0.06%	-0.06%
1927	1	-16	0	0	-16	0	4	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1928	2	-7	1	9	3	1	-4	-7	-3	0	-11	-1	0	-0.87%	-0.87%	-0.87%	-0.87%
1929	5	-1	-28	-1	-30	-1	8	-1	1	0	1	0	0	0.31%	0.31%	0.31%	0.31%
1930	4	-1	-25	-1	-26	-3	-10	-1	-2	0	-8	0	0	-0.59%	0.00%	-0.59%	0.00%
1931	5	-2	-1	-11	-14	0	-6	1	0	0	-2	0	0	0.00%	0.00%	0.00%	0.00%
1932	4	-16	-6	0	-22	-1	-1	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1933	5	-16	-20	-2	-38	0	1	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1934	5	-12	-5	-7	-23	-5	-5	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1935	3	-12	-25	0	-38	6	-4	-1	-3	0	-14	0	0	-0.79%	0.00%	-0.79%	0.00%
1936	3	-6	-20	0	-27	4	-17	-1	-3	0	-15	-1	0	-0.82%	-0.82%	-0.82%	-0.82%
1937	3	-6	1	0	-5	-11	-27	-1	-2	0	-12	-1	0	-0.62%	0.00%	-0.62%	0.00%
1938	1	0	0	0	0	0	6	9	3	0	-2	0	0	0.00%	0.00%	0.00%	0.00%
1939	4	-3	-6	-3	-12	-1	-11	0	-1	0	-3	0	0	-0.25%	-0.25%	-0.25%	-0.25%
1940	2	-7	0	1	-6	6	1	0	-2	0	-6	0	0	-0.69%	0.00%	-0.32%	-0.32%
1941	1	0	0	0	0	0	-8	1	0	0	-1	0	0	0.00%	0.00%	0.00%	0.00%
1942	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1943	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1944	4	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1945	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1946	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1947	4	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1948	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1949	4	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1950	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1951	2	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1952	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1953	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1954	2	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1955	4	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1956	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1957	2	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1958	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1959	3	-1	-23	0	-24	-1	-1	8	0	0	0	0	0	0.00%	0.00%	-0.03%	0.00%
1960	4	13	-30	-14	-30	0	-45	46	-1	0	-6	0	0	-0.38%	-0.17%	-0.38%	-0.17%
1961	4	9	-66	74	17	-19	-3	0	0	0	-4	0	0	-0.15%	-0.15%	-0.19%	-0.19%
1962	3	9	-10	-2	-3	-2	17	10	0	0	0	0	0	0.00%	0.00%	0.02%	0.02%
1963	1	0	0	0	0	-1	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1964	4	-1	-4	-1	-7	-8	0	0	0	0	-1	0	0	-0.03%	0.00%	-0.03%	0.00%
1965	1	0	0	0	-1	0	6	1	0	0	0	0	0	-0.10%	0.00%	0.02%	0.00%
1966	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1967	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1968	3	-1	-16	0	-18	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1969	1	0	0	0	0	-1	-2	3	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1970	1	0	0	0	0	0	1	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1971	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1972	3	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1973	2	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1974	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1975	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1976	5	0	-9	0	-9	-6	2	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1977	5	-9	-12	-12	-33	0	-2	0	-1	0	-2	0	0	-0.16%	-0.16%	-0.16%	-0.16%
1978	2	-28	0	0	-28	2	0	0	0	0	-1	0	0	0.00%	0.00%	0.00%	0.00%
1979	3	-27	-10	-3	-40	0	-3	5	0	0	0	0	0	0.00%	0.00%	-0.04%	0.00%
1980	2	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1981	4	0	-9	-2	-11	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1982	1	0	0	0	0	-4	-1	0	0	0	3	0	0	0.00%	0.00%	0.24%	0.00%
1983	1	0	0	0	0	0	2	0	0	0	-1	0	0	0.00%	0.00%	-0.17%	-0.17%
1984	1	0	0	0	0	0	-1	0	0	0	-1	0	0	0.00%	0.00%	0.00%	0.00%
1985	4	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.01%	0.01%
1986	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1987	4	-2	-9	-4	-15	0	-1	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1988	5	-2	-29	1	-30	-1	-1	-1	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1989	4	-5	-14	6	-13	0	-6	-1	-2	0	-8	0	0	-0.59%	0.00%	-0.59%	0.00%
1990	5	-5	26	2	24	-4	-5	0	0	0	-2	0	0	0.00%	0.00%	0.00%	0.00%
1991	5	-4	3	-26	-27	-4	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
1992	5	-3	-3	4	-3	9	-3	-3	-9	0	-36	-2	0	-2.64%	-2.64%	-2.64%	-2.64%
1993	2	-3	0	0	-3	15	0	0	0	0	-9	-1	0	0.00%	0.00%	0.00%	0.00%

Avg.		-3	-5	0	-7	0	-2	1	0	0	-2	0	0	-0.12%	-0.07%	-0.11%	-0.07%
Max.		-28	-66	-26	-40	-19	-45	-7	-9	0	-36	-2	0	-2.64%	-2.64%	-2.64%	-2.64%
Min.		13	26	74	24	15	17	46	1	0	3	0	0	0.31%	0.31%	0.31%	0.31%

Table 3.4.10-3 Annual Comparison for SWP System, EBMUD-as-Sacramento-River-inbasin-use study compared with EBMUD-as-Delta-export study, Alternatives 2-5, 2001 LOD

Year	Sac River Index	September Storage (TAF)		Delta Export (TAF) Banks SWP	SWP Deliveries (TAF)					SWP Deliveries (% change)			
		Oroville	SWP SL		SWPag	SWPmwd	SWPmi	Feather	Int.	SWPag	SWPmwd	SWPother	
1922	2	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1923	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1924	5	23	-4	2	0	0	0	0	0	0	0.02%	0.02%	0.03%
1925	4	39	-34	4	5	7	10	0	0	0	0.46%	0.51%	0.47%
1926	4	40	-2	25	11	17	26	0	-31	0	0.86%	1.04%	0.86%
1927	1	1	2	8	1	5	7	0	-5	0	-0.12%	-0.14%	-0.19%
1928	2	1	0	0	0	0	-1	0	3	0	0.00%	0.00%	0.00%
1929	5	19	9	6	1	1	2	0	0	0	0.11%	0.13%	0.11%
1930	4	-30	57	65	7	11	16	0	7	1	0.60%	0.64%	0.59%
1931	5	7	0	-38	2	5	7	0	0	0	0.12%	0.12%	0.12%
1932	4	5	-3	-1	2	-4	-4	0	5	0	0.12%	0.15%	0.12%
1933	5	17	3	3	2	3	5	0	0	0	0.18%	0.20%	0.19%
1934	5	18	0	31	7	11	17	0	0	0	0.70%	0.78%	0.72%
1935	3	17	2	7	1	4	6	0	-6	0	-0.11%	-0.19%	-0.15%
1936	3	0	7	1	0	-1	-1	0	0	0	-0.08%	-0.06%	-0.13%
1937	3	0	6	-2	0	0	6	0	-1	0	-0.03%	-0.06%	1.02%
1938	1	-3	-6	-2	0	0	3	0	3	0	0.00%	0.00%	-0.01%
1939	4	19	0	6	0	0	0	0	4	0	0.00%	0.00%	0.00%
1940	2	1	0	2	0	0	0	0	-2	0	-0.09%	-0.02%	-0.13%
1941	1	0	0	-2	0	0	0	0	0	0	0.00%	0.00%	-0.01%
1942	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1943	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1944	4	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1945	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1946	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1947	4	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1948	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1949	4	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1950	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1951	2	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1952	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1953	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1954	2	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1955	4	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1956	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1957	2	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1958	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1959	3	16	0	12	1	1	2	0	0	0	0.10%	0.10%	0.10%
1960	4	24	-1	22	7	10	14	-2	0	0	0.69%	0.73%	0.72%
1961	4	-17	0	0	6	11	16	0	0	0	0.43%	0.41%	0.42%
1962	3	-1	0	-11	-10	1	-6	0	0	0	-1.11%	0.15%	-1.15%
1963	1	8	12	3	-1	1	-2	0	6	0	-0.02%	-0.01%	-0.02%
1964	4	10	0	-1	4	6	9	0	0	0	0.40%	0.45%	0.40%
1965	1	0	0	1	0	2	3	0	-1	0	0.00%	0.00%	0.00%
1966	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1967	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1968	3	15	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1969	1	0	1	1	0	0	0	0	0	0	-0.03%	-0.10%	-0.05%
1970	1	0	0	-2	0	0	0	0	0	0	0.00%	0.00%	0.00%
1971	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1972	3	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1973	2	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1974	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1975	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1976	5	11	1	4	0	0	0	0	4	0	0.00%	0.00%	0.00%
1977	5	42	0	-3	0	0	0	0	0	0	0.00%	0.00%	0.00%
1978	2	35	3	-1	0	1	2	0	0	0	-0.11%	-0.22%	-0.57%
1979	3	2	-8	2	0	0	-2	0	-1	0	-0.04%	-0.10%	-0.07%
1980	2	0	0	8	0	0	0	0	0	0	0.00%	-0.01%	-0.02%
1981	4	11	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1982	1	0	0	4	0	0	0	0	0	0	0.00%	0.00%	0.00%
1983	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1984	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1985	4	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1986	1	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%
1987	4	15	0	-1	0	0	0	0	0	0	0.00%	0.00%	0.00%
1988	5	21	0	-10	2	3	4	0	0	0	0.22%	0.23%	0.22%
1989	4	32	0	-10	6	9	13	0	0	0	0.57%	0.62%	0.61%
1990	5	2	4	35	1	4	6	0	0	0	0.05%	0.06%	0.05%
1991	5	20	0	-8	0	1	1	0	0	0	0.03%	0.03%	0.03%
1992	5	27	-10	-10	8	12	18	-1	0	0	0.89%	1.07%	0.94%
1993	2	1	3	-1	1	5	7	0	-1	0	-0.02%	-0.01%	-0.03%

Avg.	6	1	2	1	2	3	0	0	0	0.07%	0.09%	0.07%
Max.	-30	-34	-38	-10	-4	-6	-2	-31	6	-1.11%	-0.22%	-1.15%
Min.	42	57	65	11	17	26	0	6	0.89%	1.07%	1.02%	