Delta-Mendota Canal Recirculation Study

Final Report on Hydrologic Modeling
Appendix C Summary Tables for Alternative 1

Prepared for

Bureau of Reclamation
Mid-Pacific Region

By

MWH
MONTGOMERY WATSON HARZA

May 2003

LIST OF TABLES

Table C-1. April 15-31 VAMP Flow Augmentation in CFS
Table C-2. April 15-31 VAMP Flow Augmentation in TAF
Table C-3. May 1-15 VAMP Flow Augmentation in CFS
Table C-4. May 1-15 VAMP Flow Augmentation in TAF
Table C-5. CVP San Luis Reservoir End-of-Month Storage: Alternative 1 in TAF
Table C-6. CVP San Luis Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-7. CVP San Luis Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-8. SWP San Luis Reservoir End-of-Month Storage: Alternative 1 in TAF
Table C-9. SWP San Luis Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-10. SWP San Luis Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-11. New Melones Reservoir End-of-Month Storage: Alternative 1 in TAF
Table C-12. New Melones Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-13. New Melones Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-14. New Don Pedro Reservoir End-of-Month Storage: Alternative 1 in TAF
Table C-15. New Don Pedro Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-16. New Don Pedro Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-17. Lake McClure End-of-Month Storage: Alternative 1 in TAF
Table C-18. Lake McClure End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-19. Lake McClure End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-20. North of Delta CVP Reservoirs End-of-Month Storage: Alternative 1 in TAF
Table C-21. North of Delta CVP Reservoirs End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-22. North of Delta CVP Reservoirs End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-23. North of Delta SWP Reservoirs End-of-Month Storage: Alternative 1 in TAF
Table C-24. North of Delta SWP Reservoirs End-of-Month Storage: Difference in TAF (Alt 1 minus Base)
Table C-25. North of Delta SWP Reservoirs End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)
Table C-26. South of Delta CVP Total Deliveries: Alternative 1 in TAF
Table C-27. South of Delta CVP Total Deliveries: Difference in TAF (Alt 1 minus Base)
Table C-28. South of Delta CVP Total Deliveries: Difference in Percentage (Alt 1 minus Base)
Table C-29. North of Delta CVP Total Deliveries: Alternative 1 in TAF
Table C-30. North of Delta CVP Total Deliveries: Difference in TAF (Alt 1 minus Base)
Table C-31. North of Delta CVP Total Deliveries: Difference in Percentage (Alt 1 minus Base)
Table C-32. South of Delta SWP Total Deliveries: Alternative 1 in TAF
Table C-33. South of Delta SWP Total Deliveries: Difference in TAF (Alt 1 minus Base)
Table C-34. South of Delta SWP Total Deliveries: Difference in Percentage (Alt 1 minus Base)
Table C-35. SWP Interruptible Deliveries: Alternative 1 in TAF
Table C-36. SWP Interruptible Deliveries: Difference in TAF (Alt 1 minus Base)
Table C-37. SWP Interruptible Deliveries: Difference in Percentage (Alt 1 minus Base)
Table C-38. CVP Tracy Pumping Plant Export: Alternative 1 in TAF
Table C-39. CVP Tracy Pumping Plant Export: Difference in TAF (Alt 1 minus Base)
Table C-40. CVP Tracy Pumping Plant Export: Alternative 1 in CFS

Table C-41. CVP Tracy Pumping Plant Export: Difference in CFS (Alt 1 minus Base)
Table C-42. CVP Tracy Pumping Plant Export: Difference in Percentage (Alt 1 minus Base)
Table C-43. SWP Banks Pumping Plant Total Export: Alternative 1 in TAF
Table C-44. SWP Banks Pumping Plant Total Export: Difference in TAF (Alt 1 minus Base)
Table C-45. SWP Banks Pumping Plant Total Export: Alternative 1 in CFS
Table C-46. SWP Banks Pumping Plant Total Export: Difference in CFS (Alt 1 minus Base)
Table C-47. SWP Banks Pumping Plant Total Export: Difference in Percentage (Alt 1 minus Base)
Table C-48. SWP Banks Pumping Plant Export for CVP Wheeling: Alternative 1 in TAF
Table C-49. SWP Banks Pumping Plant Export for CVP Wheeling: Difference in TAF (Alt 1 minus Base)
Table C-50. SWP Banks Pumping Plant Export for CVP Wheeling: Difference in Percentage (Alt 1 minus Base)
Table C-51. SWP Banks Pumping Plant Export for SWP: Alternative 1 in TAF
Table C-52. SWP Banks Pumping Plant Export for SWP: Difference in TAF (Alt 1 minus Base)
Table C-53. SWP Banks Pumping Plant Export for SWP: Difference in Percentage (Alt 1 minus Base)
Table C-54. SWP Banks Pumping Plant Export for EWA: Alternative 1 in TAF
Table C-55. SWP Banks Pumping Plant Export for EWA: Difference in TAF (Alt 1 minus Base)
Table C-56. SWP Banks Pumping Plant Export for EWA: Difference in Percentage (Alt 1 minus Base)
Table C-57. Actual Delta Export/Inflow Ratio: Alternative 1
Table C-58. Actual Delta Export/Inflow Ratio: Difference (Alt 1 minus Base)
Table C-59. Actual Delta Export/Inflow Ratio: Difference in Percentage (Alt 1 minus Base)
Table C-60. Delta Inflow: Alternative 1 in TAF
Table C-61. Delta Inflow: Difference in TAF (Alt 1 minus Base)
Table C-62. Delta Inflow: Alternative 1 in CFS
Table C-63. Delta Inflow: Difference in CFS (Alt 1 minus Base)
Table C-64. Delta Inflow: Difference in Percentage (Alt 1 minus Base)
Table C-65. Delta Outflow: Alternative 1 in TAF
Table C-66. Delta Outflow: Difference in TAF (Alt 1 minus Base)
Table C-67. Delta Outflow: Alternative 1 in CFS
Table C-68. Delta Outflow: Difference in CFS (Alt 1 minus Base)
Table C-69. Delta Outflow: Difference in Percentage (Alt 1 minus Base)
Table C-70. San Joaquin River at Vernalis: Alternative 1 in CFS
Table C-71. San Joaquin River at Vernalis: Difference in CFS (Alt 1 minus Base)
Table C-72. San Joaquin River at Vernalis: Difference in Percentage (Alt 1 minus Base)
Table C-73. Newman Wasteway Flow: Alternative 1 in CFS
Table C-74. Stanislaus River Flow below Goodwin Reservoir: Alternative 1 in CFS
Table C-75. Stanislaus River Flow below Goodwin Reservoir: Difference in CFS (Alt 1 minus Base)
Table C-76. Stanislaus River Flow below Goodwin Reservoir: Difference in Percentage (Alt 1 minus Base)
Table C-77. Tuolumne River Flow below New Don Pedro Reservoir: Alternative 1 in CFS
Table C-78. Tuolumne River Flow below New Don Pedro Reservoir: Difference in CFS (Alt 1 minus Base)
Table C-79. Tuolumne River Flow below New Don Pedro Reservoir: Difference in Percentage (Alt 1 minus Base)
Table C-80. Merced River Flow below Lake McClure: Alternative 1 in CFS
Table C-81. Merced River Flow below Lake McClure: Difference in CFS (Alt 1 minus Base)
Table C-82. Merced River Flow below Lake McClure: Difference in Percentage (Alt 1 minus Base)

Table C-1. April 15-31 VAMP Flow Augmentation in CFS

Water Year	Water Year Type*	<1> CFS Vernalis Flow Before VAMP Flow Augmentation	<2> CFS Vernalis Flow Requirement per SJRA	<3> =<1>-<2> CFS VAMP Flow Deficiency	<4> CFS Diversion from DMC	<5> CFS Boost Flow from CVP Poriton of San Luis Reservoir	<6> =<4>+<5> CFS Total Flow Augumentation through Recirculation	<7> =<1>+<6> CFS After VAMP Flow Augumentation	<8> =<3>+<6> CFS VAMP Flow Shortage
1922	W	7,567	7,567	0	0	0	0	7,567	0
1923	AN	6,349	7,000	-651	439	211	651	7,000	0
1924	C	1,815	2,000	-185	185	0	185	2,000	0
1925	BN	4,670	5,700	-1,030	957	73	1,030	5,700	0
1926	D	3,413	4,450	-1,037	644	393	1,037	4,450	0
1927	AN	6,650	7,000	-350	350	0	350	7,000	0
1928	BN	5,368	7,000	-1,632	425	1,207	1,632	6,988	0
1929	C	2,313	3,200	-887	721	166	887	3,200	0
1930	C	2,336	3,200	-864	579	286	864	3,200	0
1931	C	1,562	1,562	0	0	0	0	1,562	0
1932	AN	5,477	5,700	-223	223	0	223	5,700	0
1933	D	2,503	3,200	-697	697	0	697	3,200	0
1934	C	1,756	2,000	-244	244	0	244	2,000	0
1935	AN	7,167	7,167	0	0	0	0	7,167	0
1936	AN	7,713	7,713	0	0	0	0	7,713	0
1937	W	9,722	9,722	0	0	0	0	9,722	0
1938	W	17,476	17,476	0	0	0	0	17,476	0
1939	D	4,218	5,700	-1,482	885	597	1,482	5,688	0
1940	AN	6,758	7,000	-242	242	0	242	7,000	0
1941	W	10,046	10,046	0	0	0	0	10,046	0
1942	W	6,902	7,000	-98	98	0	98	7,000	0
1943	W	7,817	7,817	0	0	0	0	7,817	0
1944	BN	5,091	7,000	-1,909	1,259	650	1,909	6,988	0
1945	AN	7,421	7,421	0	0	0	0	7,421	0
1946	AN	5,623	7,000	-1,377	1,225	152	1,377	6,988	0
1947	D	2,853	3,200	-347	347	0	347	3,200	0
1948	BN	4,082	4,450	-368	368	0	368	4,450	0
1949	BN	3,562	4,450	-888	474	413	888	4,450	0
1950	BN	3,992	4,450	-458	458	0	458	4,450	0
1951	AN	5,385	7,000	-1,615	425	1,189	1,615	6,988	0
1952	W	9,778	9,778	0	0	0	0	9,778	0
1953	BN	4,318	5,700	-1,382	810	572	1,382	5,688	0
1954	BN	4,893	5,700	-807	807	0	807	5,700	0
1955	D	2,766	3,200	-434	434	0	434	3,200	0
1956	W	5,563	7,000	-1,437	425	1,011	1,437	6,988	0
1957	BN	4,359	5,700	-1,341	800	541	1,341	5,688	0
1958	W	14,865	14,865	0	0	0	0	14,865	0
1959	D	3,426	5,700	-2,274	801	1,473	2,274	5,683	0
1960	C	2,384	3,200	-816	655	161	816	3,200	0
1961	C	1,647	1,647	0	0	0	0	1,647	0
1962	BN	4,877	5,700	-823	823	0	823	5,700	0
1963	AN	6,394	7,000	-606	426	181	606	7,000	0
1964	D	2,409	3,200	-791	544	247	791	3,200	0
1965	W	7,016	7,016	0	0	0	0	7,016	0
1966	BN	3,747	5,700	-1,953	803	1,151	1,953	5,688	0
1967	W	12,744	12,744	0	0	0	0	12,744	0
1968	D	3,483	5,700	-2,217	800	1,417	2,217	5,683	0
1969	W	18,463	18,463	0	0	0	0	18,463	0
1970	AN	5,771	7,000	-1,229	425	804	1,229	6,991	0
1971	BN	4,249	5,700	-1,451	819	632	1,451	5,688	0
1972	D	3,109	3,200	-91	91	0	91	3,200	0
1973	AN	7,567	7,567	0	0	0	0	7,567	0
1974	W	7,753	7,753	0	0	0	0	7,753	0
1975	W	7,327	7,327	0	0	0	0	7,327	0
1976	C	2,662	3,200	-538	538	0	538	3,200	0
1977	C	1,470	2,000	-530	530	0	530	2,000	0
1978	W	14,017	14,017	0	0	0	0	14,017	0
1979	AN	6,989	7,000	-11	11	0	11	7,000	0
1980	W	7,707	7,707	0	0	0	0	7,707	0
1981	D	3,808	5,700	-1,892	800	1,092	1,892	5,688	0
1982	W	24,489	24,489	0	0	0	0	24,489	0
1983	W	20,227	20,227	0	0	0	0	20,227	0
1984	AN	5,331	7,000	-1,669	1,175	494	1,669	6,988	0
1985	D	3,682	4,450	-768	494	275	768	4,450	0
1986	W	12,248	12,248	0	0	0	0	12,248	0
1987	C	2,729	3,200	-471	471	0	471	3,200	0
1988	C	1,712	2,000	-288	288	0	288	2,000	0
1989	C	2,005	2,005	0	0	0	0	2,005	0
1990	C	1,827	1,827	0	0	0	0	1,827	0
1991	C	2,524	2,524	0	0	0	0	2,524	0
1992	C	2,209	2,209	0	0	0	0	2,209	0
1993	W	5,482	5,700	-218	218	0	218	5,700	0
1994	C	2,098	3,200	-1,102	358	744	1,102	3,200	0
Average		6,024	6,595	-572	351	221	572	0	6,593
Maximum		24,489	24,489	0	1,259	1,473	2,274	0	24,489
Minimum		1,470	1,562	-2,274	0	0	0	0	1,562
Average by Year Type									
W		11,361	11,448	-88	37	51	88	0	11,448
AN		6,471	7,041	-569	353	217	569	0	7,037
BN		4,434	5,604	-1,170	734	437	1,170	0	5,598
D		3,243	4,336	-1,094	594	499	1,094	0	4,331
C		2,066	2,436	-370	286	85	370	0	2,436

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_boost.xls]VAMP_Apr

Table C-2. April 15-31 VAMP Flow Augmentation in TAF

Water Year	Water Year Type*	<1> TAF Vernalis Flow Before VAMP Flow Augmentation	<2> TAF Vernalis Flow Requirement per SJRA	<3> =<1>-<2> TAF VAMP Flow Deficiency	<4> TAF Diversion from DMC	<5> TAF Boost Flow from CVP Poriton of San Luis Reservoir	<6> =<4>+<5> TAF Total Flow Augumentation through Recirculation	<7> =<1>+<6> TAF After VAMP Flow Augumentation	<8> =<3>+<6> TAF VAMP Flow Shortage
1922	W	240	240	0	0	0	0	240	0
1923	AN	202	222	-21	14	7	21	222	0
1924	C	58	63	-6	6	0	6	63	0
1925	BN	148	181	-33	30	2	33	181	0
1926	D	108	141	-33	20	12	33	141	0
1927	AN	211	222	-11	11	0	11	222	0
1928	BN	170	222	-52	13	38	52	222	0
1929	C	73	102	-28	23	5	28	102	0
1930	C	74	102	-27	18	9	27	102	0
1931	C	50	50	0	0	0	0	50	0
1932	AN	174	181	-7	7	0	7	181	0
1933	D	79	102	-22	22	0	22	102	0
1934	C	56	63	-8	8	0	8	63	0
1935	AN	227	227	0	0	0	0	227	0
1936	AN	245	245	0	0	0	0	245	0
1937	W	309	309	0	0	0	0	309	0
1938	W	555	555	0	0	0	0	555	0
1939	D	134	181	-47	28	19	47	181	0
1940	AN	214	222	-8	8	0	8	222	0
1941	W	319	319	0	0	0	0	319	0
1942	W	219	222	-3	3	0	3	222	0
1943	W	248	248	0	0	0	0	248	0
1944	BN	162	222	-61	40	21	61	222	0
1945	AN	236	236	0	0	0	0	236	0
1946	AN	178	222	-44	39	5	44	222	0
1947	D	91	102	-11	11	0	11	102	0
1948	BN	130	141	-12	12	0	12	141	0
1949	BN	113	141	-28	15	13	28	141	0
1950	BN	127	141	-15	15	0	15	141	0
1951	AN	171	222	-51	13	38	51	222	0
1952	W	310	310	0	0	0	0	310	0
1953	BN	137	181	-44	26	18	44	181	0
1954	BN	155	181	-26	26	0	26	181	0
1955	D	88	102	-14	14	0	14	102	0
1956	W	177	222	-46	13	32	46	222	0
1957	BN	138	181	-43	25	17	43	181	0
1958	W	472	472	0	0	0	0	472	0
1959	D	109	181	-72	25	47	72	180	0
1960	C	76	102	-26	21	5	26	102	0
1961	C	52	52	0	0	0	0	52	0
1962	BN	155	181	-26	26	0	26	181	0
1963	AN	203	222	-19	14	6	19	222	0
1964	D	76	102	-25	17	8	25	102	0
1965	W	223	223	0	0	0	0	223	0
1966	BN	119	181	-62	25	37	62	181	0
1967	W	404	404	0	0	0	0	404	0
1968	D	111	181	-70	25	45	70	180	0
1969	W	586	586	0	0	0	0	586	0
1970	AN	183	222	-39	13	26	39	222	0
1971	BN	135	181	-46	26	20	46	181	0
1972	D	99	102	-3	3	0	3	102	0
1973	AN	240	240	0	0	0	0	240	0
1974	W	246	246	0	0	0	0	246	0
1975	W	233	233	0	0	0	0	233	0
1976	C	84	102	-17	17	0	17	102	0
1977	C	47	63	-17	17	0	17	63	0
1978	W	445	445	0	0	0	0	445	0
1979	AN	222	222	0	0	0	0	222	0
1980	W	245	245	0	0	0	0	245	0
1981	D	121	181	-60	25	35	60	181	0
1982	W	777	777	0	0	0	0	777	0
1983	W	642	642	0	0	0	0	642	0
1984	AN	169	222	-53	37	16	53	222	0
1985	D	117	141	-24	16	9	24	141	0
1986	W	389	389	0	0	0	0	389	0
1987	C	87	102	-15	15	0	15	102	0
1988	C	54	63	-9	9	0	9	63	0
1989	C	64	64	0	0	0	0	64	0
1990	C	58	58	0	0	0	0	58	0
1991	C	80	80	0	0	0	0	80	0
1992	C	70	70	0	0	0	0	70	0
1993	W	174	181	-7	7	0	7	181	0
1994	C	67	102	-35	11	24	35	102	0
Average		191	209	-18	11	7	18	209	0
Maximum		777	777	0	40	47	72	777	0
Minimum		47	50	-72	0	0	0	50	0
Average by Year Type									
W		361	363	-3	1	2	3	363	0
AN		205	223	-18	11	7	18	223	0
BN		141	178	-37	23	14	37	178	0
D		103	138	-35	19	16	35	137	0
C		66	77	-12	9	3	12	77	0

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)
D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_boost.xls]VAMP_Apr

Table C-3. May 1-15 VAMP Flow Augmentation in CFS

Water Year	Water Year Type*	<1> CFS Vernalis Flow Before VAMP Flow Augmentation	<2> CFS Vernalis Flow Requirement per SJRA	<3> =<1>-<2> CFS VAMP Flow Deficiency	<4> CFS Diversion from DMC	<5> CFS Boost Flow from CVP Poriton of San Luis Reservoir	<6> =<4>+<5> CFS Total Flow Augumentation through Recirculation	<7> =<1>+<6> CFS After VAMP Flow Augumentation	<8> =<3>+<6> CFS VAMP Flow Shortage
1922	W	8,015	8,015	0	0	0	0	8,015	0
1923	AN	5,645	7,000	-1,355	298	1,057	1,355	6,987	0
1924	C	1,560	2,000	-440	440	0	440	2,000	0
1925	BN	4,115	5,700	-1,585	848	737	1,585	5,682	0
1926	D	2,712	4,450	-1,738	596	1,142	1,738	4,432	0
1927	AN	5,398	7,000	-1,602	945	657	1,602	6,987	0
1928	BN	3,989	7,000	-3,011	276	1,680	1,956	5,931	-1,054
1929	C	2,063	3,200	-1,137	708	429	1,137	3,187	0
1930	C	1,983	3,200	-1,217	501	716	1,217	3,187	0
1931	C	1,363	1,363	0	0	0	0	1,363	0
1932	AN	4,076	5,700	-1,624	976	648	1,624	5,687	0
1933	D	2,246	3,200	-954	717	237	954	3,187	0
1934	C	1,381	2,000	-619	619	0	619	2,000	0
1935	AN	6,018	7,000	-982	982	0	982	7,000	0
1936	AN	5,729	7,000	-1,271	422	849	1,271	6,993	0
1937	W	10,229	10,229	0	0	0	0	10,229	0
1938	W	21,294	21,294	0	0	0	0	21,294	0
1939	D	3,361	5,700	-2,339	777	1,339	2,116	5,462	-223
1940	AN	5,639	7,000	-1,361	1,080	282	1,361	6,987	0
1941	W	9,567	9,567	0	0	0	0	9,567	0
1942	W	6,449	7,000	-551	551	0	551	7,000	0
1943	W	7,820	7,820	0	0	0	0	7,820	0
1944	BN	4,583	7,000	-2,417	1,149	512	1,661	6,229	-756
1945	AN	5,948	7,000	-1,052	279	772	1,052	7,000	0
1946	AN	5,301	7,000	-1,699	1,006	693	1,699	6,990	0
1947	D	2,571	3,200	-629	402	228	629	3,200	0
1948	BN	3,668	4,450	-782	304	478	782	4,450	0
1949	BN	3,164	4,450	-1,286	349	938	1,286	4,437	0
1950	BN	3,508	4,450	-942	530	412	942	4,437	0
1951	AN	5,070	7,000	-1,930	277	1,653	1,930	6,985	0
1952	W	13,569	13,569	0	0	0	0	13,569	0
1953	BN	4,225	5,700	-1,475	638	837	1,475	5,690	0
1954	BN	4,530	5,700	-1,170	559	611	1,170	5,687	0
1955	D	2,745	3,200	-455	395	60	455	3,200	0
1956	W	5,294	7,000	-1,706	245	1,461	1,706	6,990	0
1957	BN	4,453	5,700	-1,247	546	700	1,247	5,694	0
1958	W	12,787	12,787	0	0	0	0	12,787	0
1959	D	3,084	5,700	-2,616	602	670	1,272	4,346	-1,344
1960	C	2,027	3,200	-1,173	612	561	1,173	3,187	0
1961	C	1,445	1,445	0	0	0	0	1,445	0
1962	BN	3,472	5,700	-2,228	626	1,602	2,228	5,677	0
1963	AN	5,582	7,000	-1,418	148	1,271	1,418	6,987	0
1964	D	2,234	3,200	-966	451	515	966	3,187	0
1965	W	5,965	7,000	-1,035	882	152	1,035	7,000	0
1966	BN	3,533	5,700	-2,167	590	1,023	1,614	5,131	-554
1967	W	14,217	14,217	0	0	0	0	14,217	0
1968	D	3,223	5,700	-2,477	584	749	1,332	4,546	-1,144
1969	W	23,617	23,617	0	0	0	0	23,617	0
1970	AN	5,261	7,000	-1,739	264	1,475	1,739	6,987	0
1971	BN	4,206	5,700	-1,494	579	915	1,494	5,690	0
1972	D	2,885	3,200	-315	297	18	315	3,200	0
1973	AN	5,983	7,000	-1,017	958	60	1,017	7,000	0
1974	W	6,877	7,000	-123	123	0	123	7,000	0
1975	W	6,293	7,000	-707	707	0	707	7,000	0
1976	C	2,416	3,200	-784	613	171	784	3,187	0
1977	C	1,360	2,000	-640	640	0	640	1,998	0
1978	W	12,785	12,785	0	0	0	0	12,785	0
1979	AN	6,112	7,000	-888	888	0	888	7,000	0
1980	W	6,762	7,000	-238	217	21	238	7,000	0
1981	D	3,310	5,700	-2,390	579	1,100	1,679	4,974	-711
1982	W	16,119	16,119	0	0	0	0	16,119	0
1983	W	20,426	20,426	0	0	0	0	20,426	0
1984	AN	4,972	7,000	-2,028	919	998	1,917	6,874	-111
1985	D	3,309	4,450	-1,141	373	767	1,141	4,437	0
1986	W	8,505	8,505	0	0	0	0	8,505	0
1987	C	2,424	3,200	-776	562	214	776	3,192	0
1988	C	1,512	2,000	-488	488	0	488	2,000	0
1989	C	1,707	1,707	0	0	0	0	1,707	0
1990	C	1,586	1,586	0	0	0	0	1,586	0
1991	C	2,019	2,019	0	0	0	0	2,019	0
1992	C	1,657	1,657	0	0	0	0	1,657	0
1993	W	5,332	5,700	-368	368	0	368	5,700	0
1994	C	2,045	3,200	-1,155	120	1,035	1,155	3,182	0
Average		5,566	6,511	-945	419	444	864	-81	6,423
Maximum		23,617	23,617	0	1,149	1,680	2,228	0	23,617
Minimum		1,360	1,363	-3,011	0	0	0	-1,344	1,363
Average by Year Type									
W		11,096	11,332	-236	155	82	236	0	11,332
AN		5,481	6,907	-1,426	674	744	1,418	-8	6,890
BN		3,954	5,604	-1,650	583	870	1,453	-197	5,395
D		2,880	4,336	-1,456	525	620	1,145	-311	4,016
C		1,784	2,311	-527	332	195	527	0	2,306

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_boost.xls]VAMP_May

Table C-4. May 1-15 VAMP Flow Augmentation in TAF

Water Year	Water Year Type*	<1> TAF Vernalis Flow Before VAMP Flow Augmentation	<2> TAF Vernalis Flow Requirement per SJRA	<3> =<1>-<2> TAF VAMP Flow Deficiency	<4> TAF Diversion from DMC	<5> TAF Boost Flow from CVP Poriton of San Luis Reservoir	<6> =<4>+<5> TAF Total Flow Augumentation through Recirculation	<7> =<1>+<6> TAF After VAMP Flow Augumentation	<8> =<3>+<6> TAF VAMP Flow Shortage	TAF Total Recirculation Flow for Pulse Flow Period
1922	W	238	238	0	0	0	0	238	0	0
1923	AN	168	208	-40	9	31	40	208	0	61
1924	C	46	60	-13	13	0	13	60	0	19
1925	BN	122	170	-47	25	22	47	169	0	80
1926	D	81	132	-52	18	34	52	132	0	85
1927	AN	161	208	-48	28	20	48	208	0	59
1928	BN	119	208	-90	8	50	58	176	-31	***110***
1929	C	61	95	-34	21	13	34	95	0	62
1930	C	59	95	-36	15	21	36	95	0	64
1931	C	41	41	0	0	0	0	41	0	0
1932	AN	121	170	-48	29	19	48	169	0	55
1933	D	67	95	-28	21	7	28	95	0	50
1934	C	41	60	-18	18	0	18	60	0	26
1935	AN	179	208	-29	29	0	29	208	0	29
1936	AN	170	208	-38	13	25	38	208	0	38
1937	W	304	304	0	0	0	0	304	0	0
1938	W	634	634	0	0	0	0	634	0	0
1939	D	100	170	-70	23	40	63	163	-7	***110***
1940	AN	168	208	-41	32	8	41	208	0	48
1941	W	285	285	0	0	0	0	285	0	0
1942	W	192	208	-16	16	0	16	208	0	19
1943	W	233	233	0	0	0	0	233	0	0
1944	BN	136	208	-72	34	15	49	185	-22	***110***
1945	AN	177	208	-31	8	23	31	208	0	31
1946	AN	158	208	-51	30	21	51	208	0	94
1947	D	76	95	-19	12	7	19	95	0	30
1948	BN	109	132	-23	9	14	23	132	0	35
1949	BN	94	132	-38	10	28	38	132	0	66
1950	BN	104	132	-28	16	12	28	132	0	43
1951	AN	151	208	-57	8	49	57	208	0	109
1952	W	404	404	0	0	0	0	404	0	0
1953	BN	126	170	-44	19	25	44	169	0	88
1954	BN	135	170	-35	17	18	35	169	0	60
1955	D	82	95	-14	12	2	14	95	0	27
1956	W	158	208	-51	7	43	51	208	0	96
1957	BN	132	170	-37	16	21	37	169	0	80
1958	W	380	380	0	0	0	0	380	0	0
1959	D	92	170	-78	18	20	38	129	-40	***110***
1960	C	60	95	-35	18	17	35	95	0	61
1961	C	43	43	0	0	0	0	43	0	0
1962	BN	103	170	-66	19	48	66	169	0	92
1963	AN	166	208	-42	4	38	42	208	0	61
1964	D	66	95	-29	13	15	29	95	0	54
1965	W	177	208	-31	26	5	31	208	0	31
1966	BN	105	170	-64	18	30	48	153	-16	***110***
1967	W	423	423	0	0	0	0	423	0	0
1968	D	96	170	-74	17	22	40	135	-34	***110***
1969	W	703	703	0	0	0	0	703	0	0
1970	AN	157	208	-52	8	44	52	208	0	91
1971	BN	125	170	-44	17	27	44	169	0	90
1972	D	86	95	-9	9	1	9	95	0	12
1973	AN	178	208	-30	28	2	30	208	0	30
1974	W	205	208	-4	4	0	4	208	0	4
1975	W	187	208	-21	21	0	21	208	0	21
1976	C	72	95	-23	18	5	23	95	0	40
1977	C	40	60	-19	19	0	19	59	0	36
1978	W	380	380	0	0	0	0	380	0	0
1979	AN	182	208	-26	26	0	26	208	0	27
1980	W	201	208	-7	6	1	7	208	0	7
1981	D	98	170	-71	17	33	50	148	-21	***110***
1982	W	480	480	0	0	0	0	480	0	0
1983	W	608	608	0	0	0	0	608	0	0
1984	AN	148	208	-60	27	30	57	205	-3	***110***
1985	D	98	132	-34	11	23	34	132	0	58
1986	W	253	253	0	0	0	0	253	0	0
1987	C	72	95	-23	17	6	23	95	0	38
1988	C	45	60	-15	15	0	15	60	0	24
1989	C	51	51	0	0	0	0	51	0	0
1990	C	47	47	0	0	0	0	47	0	0
1991	C	60	60	0	0	0	0	60	0	0
1992	C	49	49	0	0	0	0	49	0	0
1993	W	159	170	-11	11	0	11	170	0	18
1994	C	61	95	-34	4	31	34	95	0	69
Average		166	194	-28	12	13	26	191	-2	44
Maximum		703	703	0	34	50	66	703	0	***110***
Minimum		40	41	-90	0	0	0	41	-40	0
Average by Year Type										
W		330	337	-7	5	2	7	337	0	10
AN		163	206	-42	20	22	42	205	0	60
BN		118	167	-49	17	26	43	161	-6	80
D		86	129	-43	16	18	34	119	-9	69
C		53	69	-16	10	6	16	69	0	27

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_boost.xls]VAMP_May

Table C-5. CVP San Luis Reservoir End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	364	494	680	803	873	972	972	887	701	425	299	384
1923	AN	452	585	784	856	890	909	761	523	307	133	45	66
1924	C	148	228	336	495	565	534	493	410	295	173	124	134
1925	BN	179	197	389	547	785	703	693	578	425	256	166	225
1926	D	305	407	546	737	860	847	849	724	609	377	169	202
1927	AN	222	387	516	659	860	968	959	728	492	297	146	165
1928	BN	238	375	538	681	781	909	828	571	274	187	113	143
1929	C	178	321	493	648	712	663	576	452	326	182	125	125
1930	C	172	186	428	688	836	972	904	795	566	351	135	180
1931	C	231	306	388	547	581	546	498	410	340	207	140	141
1932	AN	199	242	499	791	972	972	931	801	731	652	683	783
1933	D	904	972	972	972	972	941	879	858	755	638	537	552
1934	C	563	548	768	972	972	926	865	751	587	407	257	279
1935	AN	341	459	633	789	783	949	928	769	650	431	405	560
1936	AN	598	656	664	777	859	849	756	613	410	260	206	304
1937	W	395	457	539	661	832	972	972	942	796	645	639	705
1938	W	800	958	955	949	937	957	881	743	650	603	510	778
1939	D	856	972	972	972	972	972	877	667	419	263	135	142
1940	AN	90	116	173	411	551	682	710	569	352	195	103	141
1941	W	225	364	552	734	889	972	925	830	665	414	287	401
1942	W	471	607	778	972	972	972	945	776	653	524	378	405
1943	W	478	616	780	972	972	972	965	812	523	311	171	193
1944	BN	267	383	547	694	782	883	751	549	338	221	135	181
1945	AN	147	300	410	512	679	796	743	572	380	192	81	180
1946	AN	260	403	620	777	809	829	763	600	357	157	45	72
1947	D	162	324	493	647	738	831	775	654	452	265	135	181
1948	BN	144	243	313	468	713	795	798	577	362	191	91	129
1949	BN	211	324	498	651	690	814	664	444	250	181	135	174
1950	BN	221	324	410	521	626	755	653	486	343	300	290	349
1951	AN	392	556	815	972	972	972	863	607	376	189	82	151
1952	W	230	324	420	519	666	795	762	647	584	408	264	493
1953	BN	565	729	937	972	972	927	854	603	364	185	68	99
1954	BN	177	319	489	642	783	860	823	647	394	156	45	123
1955	D	195	324	486	630	670	690	628	483	346	180	135	167
1956	W	187	308	556	674	768	939	893	724	593	385	282	402
1957	BN	478	618	786	937	972	972	912	685	402	166	89	150
1958	W	222	357	519	657	747	863	916	801	670	518	373	453
1959	D	525	661	824	965	972	971	821	611	353	136	45	68
1960	C	135	90	54	127	216	364	263	113	45	94	135	135
1961	C	199	360	566	755	927	972	875	636	335	214	132	135
1962	BN	135	134	309	442	560	673	603	414	228	45	45	176
1963	AN	253	394	591	742	867	971	964	765	521	283	116	152
1964	D	222	356	515	650	664	672	627	509	350	176	135	179
1965	W	163	300	534	801	942	971	967	782	480	255	83	58
1966	BN	135	268	426	577	656	756	638	417	214	45	45	79
1967	W	135	297	387	475	603	710	659	555	518	549	480	534
1968	D	622	803	972	972	972	972	851	634	335	116	45	145
1969	W	220	324	413	501	635	752	806	691	606	671	525	870
1970	AN	941	972	972	972	972	972	886	629	330	204	87	162
1971	BN	241	383	553	708	809	917	861	584	346	125	45	65
1972	D	140	305	469	612	702	815	684	539	350	203	135	168
1973	AN	207	352	554	732	861	964	928	725	502	273	181	206
1974	W	280	418	582	670	765	922	787	545	336	129	45	250
1975	W	325	465	632	780	900	925	903	700	431	200	81	317
1976	C	390	528	692	835	800	813	723	583	427	268	183	191
1977	C	208	227	220	222	200	171	117	45	59	76	45	63
1978	W	95	90	239	411	617	793	735	622	563	568	483	522
1979	AN	608	757	829	972	972	972	865	728	496	365	252	292
1980	W	370	512	683	919	972	972	972	815	646	638	516	590
1981	D	663	802	967	972	972	972	860	633	353	122	45	154
1982	W	211	349	438	525	635	720	782	670	572	363	245	613
1983	W	685	857	910	857	840	866	801	676	606	587	572	668
1984	AN	884	972	972	972	972	972	904	703	412	185	45	112
1985	D	183	319	480	647	694	731	649	404	162	45	45	89
1986	W	138	207	315	430	592	759	803	678	577	327	237	272
1987	C	354	500	676	839	947	972	874	789	579	337	141	128
1988	C	117	206	311	514	485	431	400	354	269	171	95	173
1989	C	216	246	333	475	467	661	553	380	200	144	135	192
1990	C	289	308	435	628	761	808	746	639	486	328	215	192
1991	C	231	212	232	300	334	541	490	397	385	240	112	215
1992	C	277	322	412	543	783	884	805	751	558	299	114	90
1993	W	198	221	406	534	638	715	700	578	508	292	201	342
1994	C	415	554	719	864	972	971	842	632	326	83	45	89
Average		324	430	566	697	777	834	777	619	441	285	193	260
Maximum		941	972	972	972	972	972	972	942	796	671	683	870
Minimum		90	90	54	127	200	171	117	45	45	45	45	58
Average by Year Type													
W		310	426	566	692	790	876	857	724	584	441	334	462
AN		400	511	645	781	859	913	854	667	451	272	177	239
BN		249	358	516	653	761	830	756	546	328	171	105	158
D		434	568	700	798	835	856	773	611	408	229	142	186
C		258	321	441	591	660	702	627	509	362	223	133	154

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]SL_CVP

Table C-6. CVP San Luis Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-1.6	-1.6	-1.6	-0.4	-0.4
1924	C	-0.4	6.2	-1.3	-1.3	-1.3	-1.1	0.1	-3.2	-1.8	-0.7	4.9	5.0
1925	BN	4.8	5.0	5.1	-25.0	-24.8	-20.4	-37.7	17.0	47.7	31.2	23.6	22.2
1926	D	25.4	27.7	30.9	35.6	53.2	52.2	22.1	-81.6	-98.8	-105.9	-111.0	-112.1
1927	AN	-116.2	-117.2	-118.6	-120.8	-112.1	-4.3	9.4	-1.9	-4.8	-2.5	-5.9	-6.7
1928	BN	-7.3	-7.8	-8.6	-9.9	-11.4	-16.1	-50.3	-62.9	-56.1	-48.7	-22.2	-21.3
1929	C	-21.3	-2.6	-2.3	-1.7	-0.9	1.5	-20.9	-31.4	-22.1	-11.4	2.5	4.4
1930	C	9.9	33.5	32.0	34.4	39.5	43.4	28.3	22.3	27.7	25.8	0.0	7.9
1931	C	8.0	10.6	12.1	9.5	9.9	-13.5	-13.7	-14.0	-10.7	-11.1	-9.1	-6.7
1932	AN	-3.7	-11.3	-11.4	-11.6	0.0	0.0	4.5	-92.2	-91.0	-89.0	-74.4	-74.2
1933	D	-68.1	0.0	0.0	0.0	0.0	0.0	-20.4	-34.0	-25.2	-36.0	-33.2	-56.8
1934	C	-56.8	-56.8	-56.3	0.0	0.0	1.4	5.4	3.4	7.6	12.8	16.6	19.1
1935	AN	24.1	16.7	18.0	19.5	18.2	19.9	20.0	12.7	6.8	6.7	0.3	-0.8
1936	AN	-3.2	2.1	-4.2	-3.8	-3.6	-3.5	-2.2	-15.0	-12.0	-5.4	-2.7	-0.5
1937	W	-0.1	-4.4	1.2	2.2	3.3	0.0	0.0	0.7	4.1	5.4	5.7	4.2
1938	W	4.4	4.5	4.8	5.2	5.6	5.2	4.7	3.9	2.6	1.1	-0.1	-0.5
1939	D	-0.8	0.0	0.0	0.0	0.0	0.0	-32.8	-61.4	-60.8	-27.6	0.0	-3.3
1940	AN	0.0	-7.5	-2.7	-2.2	-2.0	-2.4	8.0	-2.8	-6.6	-5.1	-8.7	-9.6
1941	W	-10.4	-9.2	-10.1	-11.5	-13.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	-4.1	21.1	22.1	23.6	24.4	23.9
1943	W	24.0	24.1	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	-50.6	-93.4	-93.0	-47.9	0.0	0.0
1945	AN	-18.5	-18.5	-118.0	-118.1	-118.1	-111.2	-101.4	-38.5	-51.0	-65.7	-73.4	-56.1
1946	AN	-58.1	-60.2	-63.1	-67.5	0.0	-1.3	-28.2	-30.2	-22.3	-12.8	0.0	2.4
1947	D	0.0	0.0	1.8	75.5	79.1	61.0	73.3	90.4	72.7	49.5	0.0	1.9
1948	BN	-15.6	-13.3	-19.3	-28.2	-25.1	-29.4	-25.3	-12.8	-7.8	-5.4	-1.1	3.8
1949	BN	20.9	0.0	0.1	0.3	0.4	-0.2	-11.6	-11.1	-11.0	-7.5	0.0	-0.1
1950	BN	10.2	0.0	0.0	0.0	0.0	0.5	1.0	1.4	4.4	7.3	9.4	9.9
1951	AN	20.6	20.9	21.4	0.0	0.0	0.0	-33.6	-40.5	-31.3	-20.0	-11.8	-7.9
1952	W	-6.2	0.0	2.1	5.3	9.0	13.4	13.4	13.3	5.2	4.7	4.8	4.5
1953	BN	4.5	-0.3	2.0	0.0	0.0	0.0	-24.5	-47.4	-40.5	-32.2	-21.9	-16.9
1954	BN	-15.5	-14.4	-12.8	-10.5	-7.8	-7.3	-12.6	62.6	46.2	46.7	0.0	10.2
1955	D	10.7	0.0	0.7	1.9	2.1	0.8	5.1	-7.8	-4.6	2.6	-54.3	-51.1
1956	W	-40.5	-24.4	-25.0	-26.1	-36.9	-32.8	-59.0	-65.1	-57.5	15.3	21.8	98.4
1957	BN	99.5	100.5	102.1	104.7	3.8	0.0	-22.1	-61.3	-68.4	-98.1	-65.1	-61.4
1958	W	-62.3	-63.2	-64.6	-67.1	-70.0	-97.3	-55.9	-55.8	-55.7	-55.8	-51.1	-34.5
1959	D	-34.4	-34.4	-34.4	-7.0	0.0	0.0	-58.6	-81.7	-64.2	-43.4	0.0	-22.1
1960	C	0.0	0.0	3.0	8.7	15.3	15.3	-5.4	-19.8	0.0	0.0	0.0	-0.6
1961	C	-1.6	-1.6	-1.8	-3.3	-5.1	0.0	2.6	6.4	12.3	-5.2	1.4	0.0
1962	BN	0.0	14.7	17.0	36.2	38.5	33.5	18.4	-17.8	-51.9	-60.4	0.0	9.2
1963	AN	6.8	4.7	1.7	-2.8	-7.9	0.0	3.0	6.3	5.4	4.2	3.3	1.4
1964	D	1.3	1.1	1.0	0.7	0.3	0.2	-11.7	-12.4	-6.1	4.6	0.0	-2.6
1965	W	-0.6	-0.2	3.6	3.4	3.2	0.0	0.0	8.5	8.5	9.3	8.6	7.3
1966	BN	0.0	0.0	0.0	0.0	-17.6	-32.1	-24.4	-23.9	-4.7	0.0	0.0	-35.5
1967	W	-5.9	-5.9	-11.8	-21.1	-32.0	-30.1	-27.6	-23.9	-17.1	-9.8	-3.7	0.1
1968	D	1.2	2.2	0.0	0.0	0.0	0.0	-56.3	-81.6	-64.9	-44.8	0.0	4.5
1969	W	7.0	0.0	3.1	8.3	14.2	20.3	20.3	20.2	13.4	12.3	11.4	7.4
1970	AN	7.4	0.0	0.0	0.0	0.0	0.0	-18.6	-24.8	-19.5	-12.9	-7.5	1.6
1971	BN	2.6	3.4	4.6	6.4	0.0	0.0	-27.8	-57.2	-51.2	-41.0	0.0	2.2
1972	D	3.4	4.3	5.8	8.5	12.7	12.1	20.4	39.3	33.0	15.6	0.0	-0.6
1973	AN	-31.9	-32.2	-3.7	70.6	70.3	85.9	85.9	90.5	68.1	61.3	60.6	24.0
1974	W	24.0	23.9	24.0	24.0	24.0	22.2	-84.6	-89.3	-76.8	-160.2	-120.5	-17.1
1975	W	-17.0	-17.0	-17.0	-17.0	-27.3	-27.3	-27.3	-9.8	-9.3	-9.3	-9.2	9.7
1976	C	9.6	9.6	9.6	9.6	8.7	8.6	1.1	1.5	0.6	0.3	-0.9	-0.7
1977	C	-2.0	-2.3	-2.6	-2.8	-3.1	-10.1	-23.5	-20.0	-8.9	-4.0	0.0	1.5
1978	W	-15.6	-11.1	-11.1	-11.1	-11.1	-10.4	-9.3	-7.7	-4.8	-1.4	0.9	1.5
1979	AN	2.0	2.4	-85.1	0.0	0.0	0.0	-75.2	-67.0	-60.4	-38.3	-28.8	-14.5
1980	W	-14.1	-13.7	-43.5	21.5	0.0	0.0	0.0	-3.8	-3.3	-3.3	-2.9	-3.5
1981	D	-3.5	-3.5	-3.5	0.0	0.0	0.0	-45.2	-82.9	-73.4	-62.1	-12.9	2.5
1982	W	6.1	7.2	8.9	11.8	15.4	14.4	12.9	10.7	7.1	2.7	-0.5	-1.6
1983	W	-2.2	-2.6	0.0	-1.2	-1.2	-1.1	-1.0	-0.8	-0.6	-0.2	0.0	0.1
1984	AN	0.1	0.0	0.0	0.0	0.0	0.0	-35.8	-47.2	-36.6	-23.5	-3.7	2.8
1985	D	4.4	5.7	7.6	0.0	4.2	3.7	-4.2	-35.6	-38.0	-27.7	0.0	0.3
1986	W	2.2	5.2	5.5	6.0	6.4	9.9	10.1	9.4	5.5	3.4	1.4	1.0
1987	C	0.8	0.6	0.4	0.0	-0.5	0.0	-2.3	-0.5	-0.4	-0.2	0.1	-0.1
1988	C	-0.4	-0.1	0.1	0.2	-4.2	-4.2	-3.3	-2.0	-1.3	-0.5	0.0	0.0
1989	C	0.1	0.8	0.9	0.9	1.0	1.0	1.0	0.9	0.7	0.7	0.0	0.0
1990	C	0.0	3.4	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	34.1	18.2
1991	C	20.5	32.4	-19.1	-19.8	-20.1	-15.2	-8.7	0.7	52.4	65.8	-22.9	-18.4
1992	C	-15.2	-5.4	-0.5	3.2	9.0	8.4	7.5	6.2	7.5	10.8	-6.2	0.0
1993	W	3.7	35.9	30.8	30.1	40.9	44.9	64.1	69.5	49.3	41.0	36.0	23.0
1994	C	22.1	21.4	20.3	18.5	0.0	0.0	-16.4	-33.0	-28.2	-22.0	0.0	1.3
Average		-3.5	-1.5	-4.7	-0.3	-0.9	0.2	-9.9	-14.9	-12.9	-10.8	-6.8	-4.1
Maximum		99.5	100.5	102.1	104.7	79.1	85.9	85.9	90.5	72.7	65.8	60.6	98.4
Minimum		-116.2	-117.2	-118.6	-120.8	-118.1	-111.2	-101.4	-93.4	-98.8	-160.2	-120.5	-112.1
Average by Year Type													
W		-5.2	-2.5	-3.7	-1.9	-3.5	-3.4	-7.2	-4.9	-5.4	-6.1	-3.6	6.2
AN		-12.2	-14.3	-26.1	-16.9	-11.1	-1.2	-11.7	-18.0	-18.3	-14.6	-10.9	-9.9
BN		8.7	7.3	7.5	6.2	-3.7	-5.9	-22.3	-25.6	-23.9	-21.3	-6.4	-6.5
D		-5.5	0.3	0.9	10.5	13.8	11.8	-9.8	-31.7	-30.0	-25.0	-19.2	-21.8
C		-1.7	3.1	0.0	3.8	3.3	2.5	-2.7	-4.8	2.5	4.1	1.3	1.9

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]SL_CVP

Table C-7. CVP San Luis Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.3%	-0.5%	-1.2%	-0.9%	-0.6%
1924	C	-0.3%	2.8%	-0.4%	-0.3%	-0.2%	-0.2%	0.0%	-0.8%	-0.6%	-0.4%	4.1%	3.9%
1925	BN	2.7%	2.6%	1.3%	-4.4%	-3.1%	-2.8%	-5.2%	3.0%	12.6%	13.9%	16.6%	11.0%
1926	D	9.1%	7.3%	6.0%	5.1%	6.6%	6.6%	2.7%	-10.1%	-14.0%	-21.9%	-39.6%	-35.7%
1927	AN	-34.4%	-23.2%	-18.7%	-15.5%	-11.5%	-0.4%	1.0%	-0.3%	-1.0%	-0.8%	-3.9%	-3.9%
1928	BN	-3.0%	-2.0%	-1.6%	-1.4%	-1.4%	-1.7%	-5.7%	-9.9%	-17.0%	-20.7%	-16.4%	-13.0%
1929	C	-10.7%	-0.8%	-0.5%	-0.3%	-0.1%	0.2%	-3.5%	-6.5%	-6.3%	-5.9%	2.1%	3.7%
1930	C	6.1%	21.9%	8.1%	5.3%	5.0%	4.7%	3.2%	2.9%	5.2%	8.0%	0.0%	4.6%
1931	C	3.6%	3.6%	3.2%	1.8%	1.7%	-2.4%	-2.7%	-3.3%	-3.1%	-5.1%	-6.1%	-4.6%
1932	AN	-1.8%	-4.5%	-2.2%	-1.4%	0.0%	0.0%	0.5%	-10.3%	-11.1%	-12.0%	-9.8%	-8.7%
1933	D	-7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.3%	-3.8%	-3.2%	-5.3%	-5.8%	-9.3%
1934	C	-9.2%	-9.4%	-6.8%	0.0%	0.0%	0.2%	0.6%	0.5%	1.3%	3.2%	6.9%	7.4%
1935	AN	7.6%	3.8%	2.9%	2.5%	2.4%	2.1%	2.2%	1.7%	1.1%	1.6%	0.1%	-0.1%
1936	AN	-0.5%	0.3%	-0.6%	-0.5%	-0.4%	-0.4%	-0.3%	-2.4%	-2.8%	-2.1%	-1.3%	-0.2%
1937	W	0.0%	-1.0%	0.2%	0.3%	0.4%	0.0%	0.0%	0.1%	0.5%	0.8%	0.9%	0.6%
1938	W	0.5%	0.5%	0.5%	0.5%	0.6%	0.5%	0.5%	0.5%	0.4%	0.2%	0.0%	-0.1%
1939	D	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.6%	-8.4%	-12.7%	-9.5%	0.0%	-2.3%
1940	AN	0.0%	-6.1%	-1.5%	-0.5%	-0.4%	-0.3%	1.1%	-0.5%	-1.9%	-2.6%	-7.8%	-6.4%
1941	W	-4.4%	-2.5%	-1.8%	-1.5%	-1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	2.8%	3.5%	4.7%	6.9%	6.3%
1943	W	5.3%	4.1%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.3%	-14.5%	-21.6%	-17.8%	0.0%	0.0%
1945	AN	-11.2%	-5.8%	-22.4%	-18.7%	-14.8%	-12.2%	-12.0%	-6.3%	-11.8%	-25.5%	-47.6%	-23.7%
1946	AN	-18.3%	-13.0%	-9.2%	-8.0%	0.0%	-0.2%	-3.6%	-4.8%	-5.9%	-7.5%	0.0%	3.5%
1947	D	0.0%	0.0%	0.4%	13.2%	12.0%	7.9%	10.4%	16.0%	19.2%	22.9%	0.0%	1.1%
1948	BN	-9.8%	-5.2%	-5.8%	-5.7%	-3.4%	-3.6%	-3.1%	-2.2%	-2.1%	-2.8%	-1.2%	3.0%
1949	BN	11.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-1.7%	-2.4%	-4.2%	-4.0%	0.0%	-0.1%
1950	BN	4.8%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.3%	1.3%	2.5%	3.3%	2.9%
1951	AN	5.5%	3.9%	2.7%	0.0%	0.0%	0.0%	-3.7%	-6.3%	-7.7%	-9.6%	-12.6%	-5.0%
1952	W	-2.6%	0.0%	0.5%	1.0%	1.4%	1.7%	1.8%	2.1%	0.9%	1.2%	1.8%	0.9%
1953	BN	0.8%	0.0%	0.2%	0.0%	0.0%	0.0%	-2.8%	-7.3%	-10.0%	-14.8%	-24.4%	-14.6%
1954	BN	-8.0%	-4.3%	-2.6%	-1.6%	-1.0%	-0.8%	-1.5%	10.7%	13.3%	42.7%	0.0%	9.0%
1955	D	5.8%	0.0%	0.1%	0.3%	0.3%	0.1%	0.8%	-1.6%	-1.3%	1.4%	-28.7%	-23.5%
1956	W	-17.8%	-7.3%	-4.3%	-3.7%	-4.6%	-3.4%	-6.2%	-8.3%	-8.8%	4.1%	8.4%	32.4%
1957	BN	26.3%	19.4%	14.9%	12.6%	0.4%	0.0%	-2.4%	-8.2%	-14.5%	-37.2%	-42.3%	-29.0%
1958	W	-21.9%	-15.0%	-11.1%	-9.3%	-8.6%	-10.1%	-5.8%	-6.5%	-7.7%	-9.7%	-12.1%	-7.1%
1959	D	-6.2%	-4.9%	-4.0%	-0.7%	0.0%	0.0%	-6.7%	-11.8%	-15.4%	-24.3%	0.0%	-24.5%
1960	C	0.0%	0.0%	5.9%	7.4%	7.7%	4.4%	-2.0%	-14.9%	0.0%	0.0%	0.0%	-0.5%
1961	C	-0.8%	-0.5%	-0.3%	-0.4%	-0.5%	0.0%	0.3%	1.0%	3.8%	-2.4%	1.1%	0.0%
1962	BN	0.0%	12.3%	5.8%	8.9%	7.4%	5.2%	3.1%	-4.1%	-18.5%	-57.3%	0.0%	5.5%
1963	AN	2.8%	1.2%	0.3%	-0.4%	-0.9%	0.0%	0.3%	0.8%	1.0%	1.5%	2.9%	0.9%
1964	D	0.6%	0.3%	0.2%	0.1%	0.0%	0.0%	-1.8%	-2.4%	-1.7%	2.7%	0.0%	-1.4%
1965	W	-0.4%	-0.1%	0.7%	0.4%	0.3%	0.0%	0.0%	1.1%	1.8%	3.8%	11.6%	14.5%
1966	BN	0.0%	0.0%	0.0%	0.0%	-2.6%	-4.1%	-3.7%	-5.4%	-2.2%	0.0%	0.0%	-31.1%
1967	W	-4.2%	-1.9%	-3.0%	-4.3%	-5.0%	-4.1%	-4.0%	-4.1%	-3.2%	-1.8%	-0.8%	0.0%
1968	D	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	-6.2%	-11.4%	-16.2%	-27.9%	0.0%	3.2%
1969	W	3.3%	0.0%	0.8%	1.7%	2.3%	2.8%	2.6%	3.0%	2.3%	1.9%	2.2%	0.9%
1970	AN	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.1%	-3.8%	-5.6%	-6.0%	-7.9%	1.0%
1971	BN	1.1%	0.9%	0.8%	0.9%	0.0%	0.0%	-3.1%	-8.9%	-12.9%	-24.8%	0.0%	3.5%
1972	D	2.5%	1.4%	1.3%	1.4%	1.8%	1.5%	3.1%	7.9%	10.4%	8.3%	0.0%	-0.4%
1973	AN	-13.3%	-8.4%	-0.7%	10.7%	8.9%	9.8%	10.2%	14.2%	15.7%	29.0%	50.4%	13.2%
1974	W	9.4%	6.1%	4.3%	3.7%	3.2%	2.5%	-9.7%	-14.1%	-18.6%	-55.4%	-72.8%	-6.4%
1975	W	-5.0%	-3.5%	-2.6%	-2.1%	-2.9%	-2.9%	-2.9%	-1.4%	-2.1%	-4.4%	-10.2%	3.1%
1976	C	2.5%	1.9%	1.4%	1.2%	1.1%	1.1%	0.1%	0.3%	0.1%	0.1%	-0.5%	-0.4%
1977	C	-0.9%	-1.0%	-1.1%	-1.2%	-1.5%	-5.6%	-16.7%	-30.8%	-13.0%	-5.0%	0.0%	2.5%
1978	W	-14.2%	-11.0%	-4.4%	-2.6%	-1.8%	-1.3%	-1.2%	-1.2%	-0.9%	-0.2%	0.2%	0.3%
1979	AN	0.3%	0.3%	-9.3%	0.0%	0.0%	0.0%	-8.0%	-8.4%	-10.9%	-9.5%	-10.3%	-4.7%
1980	W	-3.7%	-2.6%	-6.0%	2.4%	0.0%	0.0%	0.0%	-0.5%	-0.5%	-0.5%	-0.6%	-0.6%
1981	D	-0.5%	-0.4%	-0.4%	0.0%	0.0%	0.0%	-5.0%	-11.6%	-17.2%	-33.8%	-22.3%	1.7%
1982	W	3.0%	2.1%	2.1%	2.3%	2.5%	2.0%	1.7%	1.6%	1.3%	0.7%	-0.2%	-0.3%
1983	W	-0.3%	-0.3%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.8%	-6.3%	-8.2%	-11.3%	-7.6%	2.6%
1985	D	2.4%	1.8%	1.6%	0.0%	0.6%	0.5%	-0.6%	-8.1%	-19.0%	-38.1%	0.0%	0.4%
1986	W	1.7%	2.6%	1.8%	1.4%	1.1%	1.3%	1.3%	1.4%	1.0%	1.1%	0.6%	0.4%
1987	C	0.2%	0.1%	0.1%	0.0%	-0.1%	0.0%	-0.3%	-0.1%	-0.1%	0.0%	0.0%	-0.1%
1988	C	-0.3%	-0.1%	0.0%	0.0%	-0.9%	-1.0%	-0.8%	-0.6%	-0.5%	-0.3%	0.0%	0.0%
1989	C	0.0%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.4%	0.5%	0.0%	0.0%
1990	C	0.0%	1.1%	1.1%	0.8%	0.6%	0.6%	0.7%	0.8%	1.0%	1.5%	18.9%	10.5%
1991	C	9.8%	18.0%	-7.6%	-6.2%	-5.7%	-2.7%	-1.7%	0.2%	15.8%	37.8%	-17.0%	-7.9%
1992	C	-5.2%	-1.7%	-0.1%	0.6%	1.2%	1.0%	0.9%	0.8%	1.4%	3.7%	-5.1%	0.0%
1993	W	1.9%	19.4%	8.2%	6.0%	6.9%	6.7%	10.1%	13.7%	10.8%	16.3%	21.8%	7.2%
1994	C	5.6%	4.0%	2.9%	2.2%	0.0%	0.0%	-1.9%	-5.0%	-8.0%	-20.9%	0.0%	1.4%
Average		-1.1%	0.1%	-0.6%	0.1%	0.0%	0.0%	-1.3%	-2.6%	-3.0%	-4.4%	-3.5%	-1.4%
Maximum		26.3%	21.9%	14.9%	13.2%	12.0%	9.8%	10.4%	16.0%	19.2%	42.7%	50.4%	32.4%
Minimum		-34.4%	-23.2%	-22.4%	-18.7%	-14.8%	-12.2%	-16.7%	-30.8%	-21.6%	-57.3%	-72.8%	-35.7%
Average by Year Type													
W		-2.5%	-0.5%	-0.5%	-0.2%	-0.3%	-0.2%	-0.6%	-0.5%	-1.0%	-1.9%	-2.1%	2.6%
AN		-4.5%	-3.7%	-4.2%	-2.3%	-1.2%	-0.1%	-1.3%	-2.4%	-3.5%	-4.0%	-4.0%	-2.3%
BN		2.2%	2.0%	1.1%	0.8%	-0.3%	-0.6%	-2.7%	-4.1%	-6.3%	-10.0%	-5.4%	-4.4%
D		0.6%	0.5%	0.5%	1.8%	1.9%	1.5%	-0.8%	-4.1%	-6.5%	-11.4%	-8.8%	-8.3%
C		0.0%	2.5%	0.4%	0.7%	0.5%	0.0%	-1.5%	-3.4%	-0.2%	0.9%	0.3%	1.3%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]SL_CVP

Table C-8. SWP San Luis Reservoir End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	165	104	167	488	781	918	805	603	629	606	567	599
1923	AN	759	793	881	1,007	980	914	799	551	336	200	165	280
1924	C	297	170	164	303	417	347	272	287	191	110	154	157
1925	BN	211	276	423	546	747	647	686	664	836	671	598	736
1926	D	786	773	811	995	1,067	999	967	762	547	464	328	159
1927	AN	130	306	357	517	747	828	731	511	547	255	226	409
1928	BN	397	482	688	973	1,067	1,067	977	693	575	292	171	155
1929	C	143	128	177	371	484	494	439	448	367	248	165	136
1930	C	148	110	311	535	641	802	682	535	558	537	487	382
1931	C	327	185	126	282	321	293	211	221	148	110	110	116
1932	AN	125	110	324	565	755	839	765	761	785	643	566	609
1933	D	686	702	749	985	870	913	836	792	666	501	356	300
1934	C	343	292	433	645	855	820	714	694	662	508	462	404
1935	AN	402	448	555	777	875	1,051	852	483	406	187	124	110
1936	AN	110	55	55	346	748	926	792	544	464	422	312	283
1937	W	274	120	60	232	624	893	747	535	355	202	181	193
1938	W	273	437	687	760	875	920	782	591	642	632	601	675
1939	D	865	944	1,067	1,067	1,067	1,067	864	644	334	175	147	110
1940	AN	110	55	55	242	646	774	661	407	256	191	158	241
1941	W	190	105	298	672	966	1,067	1,013	862	633	671	696	808
1942	W	1,021	1,067	1,067	1,067	948	1,048	947	733	714	349	325	525
1943	W	701	860	1,067	1,067	947	1,043	903	695	613	342	321	424
1944	BN	482	349	322	512	648	712	489	263	73	55	55	143
1945	AN	128	228	244	424	789	908	727	467	258	228	165	167
1946	AN	246	293	350	671	474	627	474	249	88	55	55	158
1947	D	143	119	303	393	528	625	490	311	169	150	122	110
1948	BN	110	110	72	250	193	317	389	178	149	151	181	365
1949	BN	340	229	296	384	464	658	568	445	381	237	269	302
1950	BN	177	111	111	318	643	722	585	347	293	263	274	468
1951	AN	553	711	788	993	1,067	1,067	901	645	344	230	173	194
1952	W	192	206	410	774	1,067	1,067	956	821	990	837	747	852
1953	BN	1,056	1,067	1,067	1,067	1,048	1,067	925	621	588	370	321	376
1954	BN	528	671	640	918	940	995	879	627	426	274	165	150
1955	D	137	139	320	686	657	658	579	526	499	407	383	405
1956	W	407	455	640	720	864	961	818	576	672	636	578	629
1957	BN	798	737	671	787	995	1,067	963	750	574	377	230	235
1958	W	413	575	636	953	1,067	1,067	922	712	822	492	467	646
1959	D	823	823	912	1,067	924	737	556	328	162	130	106	110
1960	C	110	55	110	342	549	748	601	525	574	488	367	335
1961	C	285	318	443	605	895	967	811	617	495	171	133	110
1962	BN	110	110	164	237	641	885	715	434	241	140	100	110
1963	AN	272	361	413	699	920	952	835	591	424	207	165	357
1964	D	525	678	726	1,002	883	758	612	392	157	122	103	114
1965	W	110	157	237	399	664	669	607	423	396	199	223	419
1966	BN	556	737	1,001	1,067	1,022	945	775	536	363	205	165	82
1967	W	90	186	440	795	1,065	1,067	904	706	746	724	704	965
1968	D	1,067	1,067	1,067	1,067	1,067	1,067	927	702	412	247	165	145
1969	W	128	124	327	506	831	1,067	1,060	880	1,002	668	690	783
1970	AN	979	1,067	1,067	1,067	1,067	1,067	914	664	483	202	161	140
1971	BN	129	277	481	747	543	745	611	304	234	165	110	183
1972	D	338	296	458	738	769	983	785	603	474	293	270	224
1973	AN	238	430	524	847	981	1,067	947	725	595	461	367	354
1974	W	472	623	832	1,067	1,067	1,067	803	560	550	426	375	500
1975	W	670	705	907	1,067	1,067	913	802	574	601	554	488	531
1976	C	696	825	1,019	1,067	993	974	805	612	447	165	144	110
1977	C	110	74	55	61	56	58	55	55	110	110	55	61
1978	W	55	74	262	485	786	827	782	670	913	524	664	746
1979	AN	852	758	690	1,053	958	1,060	864	651	443	278	281	338
1980	W	444	441	647	820	1,067	1,067	1,010	849	805	453	495	680
1981	D	874	779	836	1,067	948	1,027	868	637	370	238	165	130
1982	W	115	267	463	586	859	968	824	626	677	654	620	691
1983	W	876	1,041	1,067	1,067	1,067	1,067	1,067	939	1,023	1,067	1,067	1,067
1984	AN	1,067	1,067	1,057	1,067	1,067	1,067	950	724	530	313	195	165
1985	D	229	377	573	659	667	628	428	174	55	55	55	55
1986	W	55	55	55	387	769	957	869	654	637	636	621	699
1987	C	853	731	694	911	994	873	633	434	161	158	119	110
1988	C	55	55	55	293	259	208	212	252	364	277	196	174
1989	C	165	260	354	485	448	662	455	266	119	142	131	110
1990	C	110	55	55	383	406	473	389	399	318	203	144	154
1991	C	164	110	112	135	148	372	325	274	338	265	173	147
1992	C	168	113	159	252	467	589	534	543	523	420	336	411
1993	W	423	360	516	744	894	979	876	640	677	616	551	546
1994	C	670	531	534	678	752	576	400	193	55	55	55	98
Average		398	418	503	682	787	840	722	544	467	344	304	342
Maximum		1,067	1,067	1,067	1,067	1,067	1,067	1,067	939	1,023	1,067	1,067	1,067
Minimum		55	55	55	61	56	58	55	55	55	55	55	55
Average by Year Type													
W		354	398	539	733	914	982	875	682	705	564	549	649
AN		427	477	526	734	863	939	801	570	426	277	222	272
BN		408	430	495	650	746	819	714	489	394	267	220	275
D		588	609	711	884	859	860	719	534	349	253	200	169
C		290	251	300	459	543	579	471	397	339	248	202	188

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]SL_SWP

Table C-9. SWP San Luis Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
1924	C	30.2	0.0	2.9	4.9	4.5	4.0	3.5	2.6	0.7	0.0	-7.5	-8.1
1925	BN	-8.6	-9.1	-9.6	-38.1	-38.5	-39.8	-41.0	-42.8	-61.6	-61.6	-50.5	-67.5
1926	D	-57.5	-60.5	-63.5	-15.0	0.0	-3.0	-9.9	-15.2	-12.2	3.0	-1.5	-6.9
1927	AN	3.4	0.0	-3.1	-4.8	0.1	0.3	-1.7	-1.4	-35.7	-39.5	-38.9	3.9
1928	BN	4.2	23.6	23.9	22.3	0.0	0.0	-1.3	-1.2	10.1	8.8	6.4	0.5
1929	C	0.8	0.5	4.3	11.5	11.0	10.4	9.5	8.3	14.0	11.9	4.4	2.4
1930	C	-2.5	0.0	-3.8	-3.8	-5.1	-3.2	-3.4	-5.0	3.2	-0.2	-1.8	-3.3
1931	C	-4.5	-4.0	1.8	0.6	0.6	1.7	1.5	1.2	1.6	0.0	0.0	1.1
1932	AN	14.9	0.0	-0.2	-0.3	-14.2	0.2	3.7	2.0	5.7	3.7	-14.5	-16.0
1933	D	-22.3	-91.4	-94.2	-81.6	-95.9	-100.7	-106.7	-114.7	-69.8	-75.2	-53.0	-37.0
1934	C	-41.3	-47.7	-52.3	-30.8	20.5	18.0	15.2	11.4	-27.9	-32.7	-23.3	-24.5
1935	AN	-14.2	-16.4	-18.2	-18.2	0.0	-1.7	-5.3	-7.8	-20.8	-11.6	1.4	0.0
1936	AN	0.0	0.0	0.0	-1.7	-2.0	-1.1	-9.5	-11.0	-13.2	-15.3	-17.3	-16.9
1937	W	14.4	2.9	4.4	3.6	3.0	0.8	-1.4	-3.6	16.4	9.3	3.1	2.9
1938	W	-0.8	-3.4	-5.7	-5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	-0.8	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.4	0.0	0.0	0.0
1940	AN	0.0	0.0	0.0	2.3	2.4	1.2	1.2	1.1	1.8	1.8	1.8	-1.4
1941	W	-1.0	-3.4	6.0	9.1	9.2	0.0	0.0	0.1	1.2	1.1	1.1	1.2
1942	W	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.2	0.4
1943	W	0.4	0.4	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.4	-0.4	0.0	0.0	0.0
1945	AN	-0.1	-18.7	-40.5	-34.7	-34.8	-41.1	-40.9	-40.7	-40.8	-38.0	-10.6	5.3
1946	AN	21.3	28.5	28.5	28.7	22.8	23.6	23.1	23.2	23.2	0.0	0.0	0.2
1947	D	3.3	0.7	17.5	6.1	4.5	-41.6	-48.2	-56.9	-55.1	1.9	-2.4	0.0
1948	BN	0.0	0.0	0.0	-11.5	-10.4	-11.5	-9.8	-3.5	-14.1	-7.4	-3.2	8.7
1949	BN	27.2	32.7	37.2	30.3	30.1	30.0	29.2	28.0	26.0	19.5	7.8	-8.4
1950	BN	-16.6	-15.9	-1.8	-1.1	0.6	3.9	6.3	9.3	14.7	18.6	22.3	60.3
1951	AN	70.9	72.9	74.8	42.4	0.0	0.0	0.0	0.0	2.5	-2.0	-1.8	2.4
1952	W	2.6	1.8	1.8	1.8	0.0	0.0	0.0	0.0	-5.3	-4.8	-4.8	-4.8
1953	BN	-4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-4.0	-0.1
1954	BN	0.1	0.1	0.5	0.5	-0.1	0.0	0.0	59.4	72.5	72.6	20.4	0.0
1955	D	0.6	6.0	6.1	5.9	5.4	5.1	5.3	4.9	5.8	4.1	125.3	6.0
1956	W	18.0	-3.4	-3.6	4.6	4.6	4.6	4.6	4.6	32.7	84.5	84.1	83.9
1957	BN	83.7	85.4	84.8	19.6	164.4	142.1	153.9	153.5	90.1	71.8	47.2	46.7
1958	W	46.6	60.9	82.0	82.7	0.0	0.0	0.0	-0.1	96.9	96.4	91.4	-0.2
1959	D	-0.3	-0.3	-0.4	0.0	2.7	1.3	1.5	1.7	7.5	7.5	7.3	0.0
1960	C	0.0	0.0	0.0	-2.5	-2.5	-3.7	-3.9	-4.0	3.1	2.2	-1.9	-4.8
1961	C	-4.5	-5.3	-4.6	-4.2	-3.8	-24.0	-23.8	-23.5	-18.4	-18.1	-0.2	0.0
1962	BN	0.0	0.0	1.1	0.9	0.9	1.9	2.7	3.5	44.9	0.0	4.9	0.0
1963	AN	0.6	0.5	1.1	2.5	2.6	1.2	0.9	0.8	0.9	0.8	0.0	-0.4
1964	D	0.5	0.5	-0.1	-0.1	3.6	5.4	4.7	4.1	-4.8	-5.5	-6.2	0.9
1965	W	0.0	-0.8	2.6	2.2	2.2	6.5	-2.0	-3.2	5.0	-0.8	-2.8	1.0
1966	BN	130.4	129.5	128.2	0.0	-44.8	-121.9	-73.3	-73.1	-83.8	-62.0	0.0	3.7
1967	W	1.8	0.7	0.1	-0.5	0.0	0.0	0.1	0.2	-0.6	-1.0	-1.5	0.6
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2	0.0	-0.1
1969	W	-0.1	-0.1	-0.1	-0.2	-0.2	0.0	-0.2	-0.2	-0.6	0.5	1.4	1.4
1970	AN	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.3	-1.0	0.0
1971	BN	0.0	0.0	0.0	-0.1	-0.1	-0.5	-0.7	-0.7	-6.2	-6.2	-6.2	-0.1
1972	D	-0.1	0.2	1.4	1.3	2.2	5.1	4.8	4.5	-1.5	3.4	8.8	-18.8
1973	AN	-0.7	-0.9	-140.2	47.4	47.4	36.6	47.4	47.3	13.4	19.8	19.6	19.5
1974	W	19.6	19.5	28.0	0.0	0.0	0.0	-135.7	-135.3	-169.2	52.5	42.5	-0.1
1975	W	-0.1	-32.8	-33.6	0.0	0.0	0.0	0.0	0.0	34.2	56.8	56.5	56.3
1976	C	56.2	38.9	38.9	0.0	2.5	2.5	1.6	0.5	-5.2	0.0	-1.1	0.0
1977	C	0.0	-0.8	0.0	-0.8	-0.8	-0.8	0.0	0.0	0.0	0.0	0.0	-1.5
1978	W	0.0	1.2	-2.7	-2.7	7.0	7.0	7.0	6.9	-5.1	-5.2	-0.2	-0.2
1979	AN	1.0	1.3	56.0	56.5	55.7	55.7	-20.6	-20.5	-68.9	-92.4	-88.8	0.8
1980	W	32.1	24.2	165.8	-33.9	-0.3	0.0	0.0	0.1	1.8	2.0	1.8	-0.5
1981	D	-0.4	-0.3	-0.5	0.0	-0.6	-0.6	-0.7	-0.7	-0.7	-0.5	0.0	-0.1
1982	W	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2
1983	W	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-1.6	0.0
1985	D	0.4	0.4	0.4	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0
1986	W	0.0	0.0	0.0	-7.7	-7.9	-7.9	-7.8	-7.7	-8.7	-8.1	-8.0	-7.9
1987	C	-7.9	-7.7	-7.8	-7.8	-4.3	-2.7	-3.6	-4.9	-5.3	0.4	0.0	0.0
1988	C	0.0	0.0	0.0	0.0	-2.0	-1.9	-1.9	-1.8	3.8	3.8	3.8	3.9
1989	C	3.3	3.7	3.5	3.7	3.8	3.8	4.0	4.3	4.6	4.9	-0.5	0.0
1990	C	0.0	0.0	0.0	2.0	2.0	-29.9	-29.8	-29.8	-29.6	-29.5	-0.3	-0.6
1991	C	-8.8	-0.5	-22.2	-23.3	-16.7	-16.9	-16.9	-16.7	-9.2	24.2	-0.4	0.5
1992	C	0.2	0.2	3.1	1.6	1.6	1.6	-46.3	-46.1	-17.0	-4.3	-4.3	-4.1
1993	W	-10.5	-10.5	-15.1	-15.2	-15.5	-15.4	-15.4	-15.3	-11.9	-10.4	-10.3	-10.3
1994	C	-10.4	-9.6	-10.2	-9.5	-9.4	-8.7	-7.6	-6.0	0.0	0.0	0.0	3.9
Average		5.1	2.6	3.7	0.5	1.5	-1.4	-4.6	-4.3	-3.6	0.8	2.6	1.0
Maximum		130.4	129.5	165.8	82.7	164.4	142.1	153.9	153.5	96.9	96.4	125.3	83.9
Minimum		-57.5	-91.4	-140.2	-81.6	-95.9	-121.9	-135.7	-135.3	-169.2	-92.4	-88.8	-67.5
Average by Year Type													
W		6.2	2.8	11.5	1.9	0.1	-0.2	-7.6	-7.7	-0.7	13.6	12.7	6.2
AN		7.0	4.8	-3.0	8.6	5.7	5.4	-0.1	-0.5	-9.4	-12.3	-10.8	-0.2
BN		18.0	20.5	22.0	1.9	8.5	0.4	5.5	11.0	7.7	4.5	3.8	3.7
D		-6.9	-13.2	-12.1	-7.6	-7.1	-11.7	-13.6	-15.7	-11.9	-5.6	7.1	-5.1
C		0.7	-2.0	-2.9	-3.6	0.1	-3.1	-6.4	-6.8	-5.1	-2.3	-2.1	-2.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]SL_SWP

Table C-10. SWP San Luis Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1924	C	11.3%	0.0%	1.8%	1.7%	1.1%	1.2%	1.3%	0.9%	0.4%	0.0%	-4.6%	-4.9%
1925	BN	-3.9%	-3.2%	-2.2%	-6.5%	-4.9%	-5.8%	-5.6%	-6.1%	-6.9%	-8.4%	-7.8%	-8.4%
1926	D	-6.8%	-7.3%	-7.3%	-1.5%	0.0%	-0.3%	-1.0%	-2.0%	-2.2%	0.7%	-0.4%	-4.1%
1927	AN	2.7%	0.0%	-0.9%	-0.9%	0.0%	0.0%	-0.2%	-0.3%	-6.1%	-13.4%	-14.7%	1.0%
1928	BN	1.1%	5.1%	3.6%	2.3%	0.0%	0.0%	-0.1%	-0.2%	1.8%	3.1%	3.9%	0.3%
1929	C	0.6%	0.4%	2.5%	3.2%	2.3%	2.1%	2.2%	1.9%	4.0%	5.0%	2.7%	1.8%
1930	C	-1.7%	0.0%	-1.2%	-0.7%	-0.8%	-0.4%	-0.5%	-0.9%	0.6%	0.0%	-0.4%	-0.9%
1931	C	-1.4%	-2.1%	1.4%	0.2%	0.2%	0.6%	0.7%	0.6%	1.1%	0.0%	0.0%	0.9%
1932	AN	13.5%	0.0%	0.0%	0.0%	-1.8%	0.0%	0.5%	0.3%	0.7%	0.6%	-2.5%	-2.6%
1933	D	-3.1%	-11.5%	-11.2%	-7.6%	-9.9%	-9.9%	-11.3%	-12.6%	-9.5%	-13.1%	-13.0%	-11.0%
1934	C	-10.8%	-14.1%	-10.8%	-4.6%	2.5%	2.2%	2.2%	1.7%	-4.0%	-6.1%	-4.8%	-5.7%
1935	AN	-3.4%	-3.5%	-3.2%	-2.3%	0.0%	-0.2%	-0.6%	-1.6%	-4.9%	-5.8%	1.2%	0.0%
1936	AN	0.0%	0.0%	0.0%	-0.5%	-0.3%	-0.1%	-1.2%	-2.0%	-2.8%	-3.5%	-5.3%	-5.6%
1937	W	5.6%	2.5%	7.9%	1.6%	0.5%	0.1%	-0.2%	-0.7%	4.8%	4.8%	1.8%	1.5%
1938	W	-0.3%	-0.8%	-0.8%	-0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%
1940	AN	0.0%	0.0%	0.0%	1.0%	0.4%	0.2%	0.2%	0.3%	0.7%	1.0%	1.1%	-0.6%
1941	W	-0.5%	-3.1%	2.1%	1.4%	1.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.1%
1942	W	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.1%
1943	W	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.5%	0.0%	0.0%	0.0%
1945	AN	-0.1%	-7.6%	-14.2%	-7.6%	-4.2%	-4.3%	-5.3%	-8.0%	-13.6%	-14.2%	-6.0%	3.3%
1946	AN	9.5%	10.8%	8.9%	4.5%	5.0%	3.9%	5.1%	10.3%	35.8%	0.0%	0.0%	0.1%
1947	D	2.4%	0.6%	6.1%	1.6%	0.9%	-6.2%	-9.0%	-15.5%	-24.6%	1.3%	-1.9%	0.0%
1948	BN	0.0%	0.0%	0.0%	-4.4%	-5.1%	-3.5%	-2.5%	-1.9%	-8.6%	-4.7%	-1.7%	2.4%
1949	BN	8.7%	16.7%	14.4%	8.6%	6.9%	4.8%	5.4%	6.7%	7.3%	9.0%	3.0%	-2.7%
1950	BN	-8.5%	-12.6%	-1.6%	-0.4%	0.1%	0.5%	1.1%	2.7%	5.3%	7.6%	8.9%	14.8%
1951	AN	14.7%	11.4%	10.5%	4.5%	0.0%	0.0%	0.0%	0.0%	0.7%	-0.9%	-1.0%	1.2%
1952	W	1.4%	0.9%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.6%	-0.6%	-0.6%
1953	BN	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	0.0%
1954	BN	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	10.5%	20.5%	36.0%	14.1%	0.0%
1955	D	0.5%	4.5%	1.9%	0.9%	0.8%	0.8%	0.9%	0.9%	1.2%	1.0%	48.7%	1.5%
1956	W	4.6%	-0.7%	-0.6%	0.6%	0.5%	0.5%	0.6%	0.8%	5.1%	15.3%	17.0%	15.4%
1957	BN	11.7%	13.1%	14.5%	2.5%	19.8%	15.4%	19.0%	25.7%	18.6%	23.6%	25.7%	24.8%
1958	W	12.7%	11.8%	14.8%	9.5%	0.0%	0.0%	0.0%	0.0%	13.4%	24.4%	24.4%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.3%	0.2%	0.3%	0.5%	4.9%	6.1%	7.4%	0.0%
1960	C	0.0%	0.0%	0.0%	-0.7%	-0.5%	-0.5%	-0.6%	-0.8%	0.5%	0.4%	-0.5%	-1.4%
1961	C	-1.6%	-1.7%	-1.0%	-0.7%	-0.4%	-2.4%	-2.9%	-3.7%	-3.6%	-9.6%	-0.2%	0.0%
1962	BN	0.0%	0.0%	0.7%	0.4%	0.1%	0.2%	0.4%	0.8%	22.9%	0.0%	5.2%	0.0%
1963	AN	0.2%	0.1%	0.3%	0.4%	0.3%	0.1%	0.1%	0.1%	0.2%	0.4%	0.0%	-0.1%
1964	D	0.1%	0.1%	0.0%	0.0%	0.4%	0.7%	0.8%	1.1%	-3.0%	-4.3%	-5.6%	0.8%
1965	W	0.0%	-0.5%	1.1%	0.5%	0.3%	1.0%	-0.3%	-0.8%	1.3%	-0.4%	-1.2%	0.2%
1966	BN	30.6%	21.3%	14.7%	0.0%	-4.2%	-11.4%	-8.6%	-12.0%	-18.8%	-23.2%	0.0%	4.7%
1967	W	2.1%	0.4%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	0.1%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.1%
1969	W	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.2%	0.2%
1970	AN	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.6%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	-2.6%	-3.6%	-5.4%	-0.1%
1972	D	0.0%	0.1%	0.3%	0.2%	0.3%	0.5%	0.6%	0.7%	-0.3%	1.2%	3.4%	-7.8%
1973	AN	-0.3%	-0.2%	-21.1%	5.9%	5.1%	3.6%	5.3%	7.0%	2.3%	4.5%	5.6%	5.8%
1974	W	4.3%	3.2%	3.5%	0.0%	0.0%	0.0%	-14.5%	-19.5%	-23.5%	14.1%	12.8%	0.0%
1975	W	0.0%	-4.4%	-3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	11.4%	13.1%	11.9%
1976	C	8.8%	4.9%	4.0%	0.0%	0.3%	0.3%	0.2%	0.1%	-1.2%	0.0%	-0.8%	0.0%
1977	C	0.0%	-1.1%	0.0%	-1.4%	-1.4%	-1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.4%
1978	W	0.0%	1.7%	-1.0%	-0.6%	0.9%	0.9%	0.9%	1.0%	-0.6%	-1.0%	0.0%	0.0%
1979	AN	0.1%	0.2%	8.8%	5.7%	6.2%	5.5%	-2.3%	-3.1%	-13.5%	-24.9%	-24.0%	0.2%
1980	W	7.8%	5.8%	34.4%	-4.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.4%	0.4%	-0.1%
1981	D	0.0%	0.0%	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	0.0%	-0.1%
1982	W	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	0.0%
1985	D	0.2%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	-2.0%	-1.0%	-0.8%	-0.9%	-1.2%	-1.4%	-1.3%	-1.3%	-1.1%
1987	C	-0.9%	-1.0%	-1.1%	-0.8%	-0.4%	-0.3%	-0.6%	-1.1%	-3.2%	0.3%	0.0%	0.0%
1988	C	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-0.7%	1.1%	1.4%	2.0%	2.3%
1989	C	2.0%	1.4%	1.0%	0.8%	0.8%	0.6%	0.9%	1.6%	4.0%	3.6%	-0.4%	0.0%
1990	C	0.0%	0.0%	0.0%	0.5%	0.5%	-5.9%	-7.1%	-6.9%	-8.5%	-12.6%	-0.2%	-0.4%
1991	C	-5.1%	-0.4%	-16.5%	-14.7%	-10.1%	-4.3%	-4.9%	-5.7%	-2.6%	10.0%	-0.2%	0.4%
1992	C	0.1%	0.2%	2.0%	0.7%	0.3%	0.3%	-8.0%	-7.8%	-3.2%	-1.0%	-1.3%	-1.0%
1993	W	-2.4%	-2.8%	-2.8%	-2.0%	-1.7%	-1.6%	-1.7%	-2.3%	-1.7%	-1.7%	-1.8%	-1.8%
1994	C	-1.5%	-1.8%	-1.9%	-1.4%	-1.2%	-1.5%	-1.9%	-3.0%	0.0%	0.0%	0.0%	4.2%
Average		1.4%	0.5%	0.8%	-0.1%	0.1%	-0.2%	-0.6%	-0.6%	-0.1%	0.4%	1.3%	0.5%
Maximum		30.6%	21.3%	34.4%	9.5%	19.8%	15.4%	19.0%	25.7%	35.8%	36.0%	48.7%	24.8%
Minimum		-10.8%	-14.1%	-21.1%	-14.7%	-10.1%	-11.4%	-14.5%	-19.5%	-24.6%	-24.9%	-24.0%	-11.0%
Average by Year Type													
W		1.8%	0.7%	2.8%	0.2%	0.0%	0.0%	-0.8%	-1.1%	0.2%	3.3%	3.2%	1.3%
AN		2.6%	0.8%	-0.8%	0.8%	0.8%	0.6%	0.1%	0.2%	0.0%	-4.0%	-3.4%	0.2%
BN		3.3%	3.4%	3.7%	0.2%	1.1%	0.0%	0.7%	2.2%	3.3%	3.3%	3.7%	3.0%
D		-0.6%	-1.2%	-0.9%	-0.6%	-0.7%	-1.3%	-1.7%	-2.4%	-3.1%	-0.7%	3.5%	-1.9%
C		0.0%	-1.0%	-1.2%	-1.1%	-0.5%	-0.7%	-1.2%	-1.5%	-0.9%	-0.5%	-0.5%	-0.4%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]SL_SWP

Table C-11. New Melones Reservoir End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	992	1,012	1,049	1,088	1,197	1,265	1,237	1,404	1,687	1,625	1,516	1,406
1923	AN	1,376	1,397	1,469	1,535	1,587	1,620	1,607	1,705	1,769	1,704	1,592	1,492
1924	C	1,475	1,479	1,495	1,512	1,525	1,525	1,468	1,375	1,320	1,227	1,142	1,069
1925	BN	1,050	1,064	1,086	1,109	1,246	1,330	1,339	1,464	1,542	1,487	1,389	1,297
1926	D	1,284	1,292	1,303	1,316	1,390	1,433	1,454	1,408	1,354	1,228	1,131	1,037
1927	AN	1,032	1,054	1,112	1,165	1,305	1,378	1,428	1,514	1,637	1,557	1,461	1,372
1928	BN	1,361	1,398	1,428	1,447	1,497	1,665	1,655	1,705	1,684	1,575	1,467	1,372
1929	C	1,362	1,373	1,385	1,396	1,414	1,420	1,385	1,349	1,314	1,208	1,122	1,034
1930	C	1,026	1,036	1,050	1,077	1,118	1,178	1,183	1,137	1,148	1,038	947	851
1931	C	851	871	885	904	923	937	907	833	768	726	652	606
1932	AN	596	609	659	699	800	828	834	989	1,154	1,112	1,033	938
1933	D	932	942	965	984	1,001	1,014	986	959	997	906	811	736
1934	C	766	786	800	802	844	888	855	779	747	659	577	525
1935	AN	513	519	533	572	597	646	703	896	1,041	976	893	798
1936	AN	800	818	837	920	1,097	1,179	1,266	1,420	1,521	1,444	1,350	1,254
1937	W	1,245	1,261	1,282	1,313	1,410	1,504	1,484	1,613	1,685	1,593	1,496	1,391
1938	W	1,375	1,388	1,476	1,557	1,739	1,944	2,042	2,315	2,420	2,410	2,303	2,195
1939	D	1,970	1,970	1,970	1,970	1,970	1,993	1,933	1,800	1,728	1,593	1,457	1,340
1940	AN	1,321	1,322	1,330	1,433	1,571	1,727	1,769	1,889	1,927	1,822	1,713	1,607
1941	W	1,581	1,590	1,629	1,682	1,769	1,866	1,828	1,962	2,056	1,994	1,887	1,773
1942	W	1,737	1,742	1,789	1,878	1,956	2,009	2,025	2,144	2,332	2,279	2,164	2,051
1943	W	1,970	1,970	1,970	1,970	1,970	2,030	2,105	2,150	2,201	2,107	1,996	1,877
1944	BN	1,838	1,840	1,844	1,849	1,863	1,899	1,815	1,747	1,748	1,632	1,502	1,391
1945	AN	1,378	1,415	1,444	1,483	1,615	1,689	1,650	1,728	1,846	1,763	1,643	1,538
1946	AN	1,513	1,543	1,629	1,695	1,752	1,800	1,818	1,899	1,921	1,813	1,701	1,604
1947	D	1,585	1,608	1,628	1,644	1,671	1,718	1,668	1,595	1,536	1,402	1,292	1,196
1948	BN	1,192	1,199	1,209	1,222	1,236	1,262	1,268	1,307	1,447	1,374	1,284	1,193
1949	BN	1,186	1,203	1,221	1,239	1,262	1,307	1,301	1,344	1,364	1,271	1,178	1,086
1950	BN	1,072	1,073	1,086	1,143	1,217	1,282	1,300	1,424	1,526	1,447	1,355	1,259
1951	AN	1,249	1,529	1,921	1,970	1,970	2,030	2,007	2,010	1,996	1,897	1,795	1,691
1952	W	1,670	1,685	1,738	1,876	1,969	2,030	2,063	2,366	2,420	2,420	2,326	2,209
1953	BN	1,970	1,970	1,970	1,970	1,970	2,007	1,950	1,880	1,979	1,914	1,805	1,701
1954	BN	1,676	1,687	1,700	1,715	1,741	1,806	1,793	1,846	1,834	1,723	1,609	1,503
1955	D	1,480	1,491	1,511	1,543	1,567	1,596	1,551	1,506	1,514	1,393	1,288	1,182
1956	W	1,175	1,193	1,443	1,702	1,833	1,920	1,917	2,053	2,201	2,133	2,022	1,923
1957	BN	1,892	1,901	1,913	1,929	1,966	2,025	1,930	1,919	1,984	1,886	1,783	1,670
1958	W	1,618	1,631	1,638	1,687	1,766	1,907	1,987	2,261	2,420	2,371	2,258	2,134
1959	D	1,970	1,970	1,970	1,970	1,970	2,003	1,927	1,781	1,716	1,585	1,453	1,346
1960	C	1,325	1,331	1,338	1,347	1,391	1,445	1,425	1,367	1,323	1,201	1,112	1,004
1961	C	971	994	1,017	1,032	1,051	1,073	1,048	988	939	855	786	736
1962	BN	723	736	751	767	820	866	890	946	1,037	974	887	791
1963	AN	800	820	847	910	1,041	1,096	1,101	1,319	1,447	1,384	1,295	1,206
1964	D	1,197	1,233	1,257	1,302	1,335	1,364	1,335	1,291	1,274	1,161	1,072	968
1965	W	955	982	1,221	1,426	1,541	1,607	1,650	1,731	1,859	1,813	1,724	1,624
1966	BN	1,590	1,625	1,659	1,697	1,732	1,771	1,728	1,710	1,662	1,548	1,439	1,332
1967	W	1,319	1,333	1,417	1,524	1,595	1,701	1,726	1,920	2,238	2,272	2,168	2,055
1968	D	1,970	1,970	1,970	1,970	1,970	2,011	1,930	1,845	1,790	1,653	1,514	1,391
1969	W	1,377	1,405	1,417	1,699	1,898	2,030	2,159	2,420	2,420	2,410	2,295	2,163
1970	AN	1,970	1,970	1,970	1,970	1,970	2,030	1,967	1,972	2,015	1,904	1,787	1,688
1971	BN	1,666	1,695	1,761	1,818	1,864	1,919	1,858	1,853	1,941	1,853	1,737	1,635
1972	D	1,608	1,626	1,674	1,711	1,739	1,794	1,716	1,688	1,636	1,502	1,368	1,252
1973	AN	1,233	1,247	1,282	1,397	1,541	1,647	1,613	1,725	1,795	1,695	1,587	1,488
1974	W	1,467	1,517	1,597	1,713	1,795	1,935	1,989	2,109	2,176	2,087	1,976	1,862
1975	W	1,830	1,844	1,866	1,891	1,957	2,030	1,979	2,004	2,179	2,095	1,986	1,870
1976	C	1,841	1,862	1,879	1,885	1,902	1,914	1,835	1,729	1,648	1,530	1,411	1,307
1977	C	1,295	1,302	1,304	1,299	1,295	1,287	1,233	1,161	1,137	1,056	987	912
1978	W	880	877	900	980	1,072	1,217	1,273	1,400	1,547	1,513	1,423	1,348
1979	AN	1,331	1,350	1,376	1,450	1,572	1,697	1,669	1,783	1,808	1,700	1,596	1,495
1980	W	1,477	1,497	1,515	1,825	1,970	2,030	2,043	2,088	2,204	2,160	2,046	1,933
1981	D	1,912	1,919	1,936	1,970	1,970	2,003	1,935	1,818	1,731	1,590	1,461	1,359
1982	W	1,348	1,408	1,540	1,731	1,970	2,030	2,220	2,353	2,420	2,403	2,300	2,214
1983	W	1,970	1,970	1,970	1,970	1,970	2,030	2,040	2,174	2,420	2,420	2,394	2,270
1984	AN	1,970	1,970	1,970	1,970	1,970	2,030	1,965	1,973	1,990	1,896	1,794	1,708
1985	D	1,694	1,732	1,770	1,786	1,824	1,866	1,823	1,773	1,688	1,556	1,428	1,326
1986	W	1,315	1,332	1,354	1,436	1,905	2,030	2,039	2,065	2,136	2,026	1,923	1,829
1987	C	1,804	1,816	1,829	1,824	1,829	1,850	1,778	1,651	1,575	1,467	1,363	1,283
1988	C	1,259	1,251	1,248	1,256	1,269	1,284	1,240	1,162	1,131	1,055	1,007	922
1989	C	900	893	895	902	921	1,010	1,003	963	950	860	786	736
1990	C	767	784	800	800	824	858	814	723	693	604	547	504
1991	C	497	502	524	529	536	579	526	503	496	421	353	318
1992	C	326	335	359	377	432	478	454	375	306	232	158	125
1993	W	115	116	141	290	397	564	587	735	828	841	783	736
1994	C	770	800	814	854	885	908	864	801	772	673	602	560
Average		1,323	1,341	1,377	1,428	1,494	1,557	1,547	1,583	1,626	1,544	1,445	1,351
Maximum		1,970	1,970	1,970	1,970	1,970	2,030	2,220	2,420	2,420	2,420	2,394	2,270
Minimum		115	116	141	290	397	478	454	375	306	232	158	125
Average by Year Type													
W		1,371	1,388	1,448	1,562	1,684	1,784	1,820	1,963	2,092	2,049	1,949	1,843
AN		1,220	1,254	1,313	1,369	1,456	1,528	1,528	1,630	1,705	1,619	1,517	1,420
BN		1,435	1,449	1,469	1,492	1,535	1,595	1,569	1,595	1,646	1,557	1,453	1,352
D		1,600	1,614	1,632	1,652	1,673	1,709	1,660	1,588	1,542	1,415	1,298	1,194
C		1,077	1,088	1,101	1,112	1,135	1,165	1,126	1,056	1,017	926	847	781

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NewMelones

Table C-12. New Melones Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	14.1	14.1	14.1	14.0
1924	C	14.0	14.0	14.0	14.0	14.0	13.9	13.6	13.3	13.1	12.8	12.5	12.3
1925	BN	12.3	12.2	12.2	12.2	12.2	11.4	18.9	28.4	28.1	27.9	27.6	27.2
1926	D	26.4	26.2	26.0	25.2	24.5	24.5	32.0	45.6	44.9	44.1	43.4	42.8
1927	AN	42.7	42.6	42.6	42.5	42.5	41.9	37.3	36.0	35.4	34.7	34.0	31.7
1928	BN	30.8	30.2	29.6	29.0	28.5	28.1	35.0	39.9	39.5	39.0	38.6	38.2
1929	C	37.4	36.9	36.5	36.1	35.8	35.7	38.4	49.6	49.2	48.7	47.6	46.8
1930	C	46.6	46.5	46.4	46.4	46.3	46.2	47.9	58.0	57.3	56.3	55.0	55.1
1931	C	55.2	55.1	55.0	54.9	54.8	54.7	54.6	54.4	17.3	54.2	50.3	50.1
1932	AN	49.9	49.9	49.9	49.8	40.3	28.3	48.5	58.5	57.7	56.8	55.9	55.2
1933	D	55.1	55.0	54.9	54.9	54.8	54.6	53.5	66.8	66.1	65.0	53.6	36.0
1934	C	60.1	61.1	51.7	23.8	43.6	60.4	60.2	61.2	61.0	60.8	58.0	57.8
1935	AN	57.6	57.6	57.5	57.5	57.4	57.2	55.7	59.0	58.1	56.9	55.7	54.6
1936	AN	30.8	18.5	37.4	51.9	51.8	51.3	47.0	52.7	51.9	50.9	49.9	49.2
1937	W	49.0	48.5	48.0	47.5	47.5	46.8	41.7	22.5	21.9	21.2	20.4	19.8
1938	W	18.5	17.9	17.2	16.6	16.5	16.5	16.5	16.4	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	10.0	26.4	26.3	26.3	26.2	26.1
1940	AN	26.0	26.0	26.0	26.0	25.9	25.7	24.6	34.1	31.9	31.6	31.4	31.1
1941	W	30.6	30.4	30.2	30.0	29.8	29.5	29.5	29.4	24.7	24.2	24.1	23.8
1942	W	23.3	23.1	22.8	22.6	22.4	22.3	22.3	22.3	28.9	28.8	28.7	28.6
1943	W	24.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	26.4	26.3	26.3	26.2	26.2
1945	AN	26.1	26.1	26.1	26.1	26.0	25.7	24.0	28.4	25.2	24.4	23.7	23.2
1946	AN	22.5	22.2	21.9	21.6	21.3	21.1	30.2	41.6	39.7	39.9	40.1	39.8
1947	D	39.5	39.3	39.1	38.9	38.7	36.7	32.5	39.9	39.6	39.2	28.9	26.4
1948	BN	23.9	23.3	22.7	20.6	18.7	18.6	18.2	29.7	29.3	28.9	28.5	28.2
1949	BN	28.1	28.1	28.0	28.0	27.9	27.9	30.6	45.5	45.0	44.3	43.7	43.2
1950	BN	43.1	43.0	43.0	42.9	42.9	42.3	37.2	45.3	44.7	44.0	43.3	42.7
1951	AN	42.5	41.9	41.8	0.0	0.0	0.0	10.0	27.4	27.9	27.8	27.7	27.6
1952	W	27.6	27.5	27.5	27.5	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	23.5	23.9	24.1	24.2	24.1
1954	BN	24.1	24.1	24.1	24.0	23.9	23.5	21.7	34.9	33.8	33.5	33.2	32.5
1955	D	31.9	31.5	31.2	30.8	30.5	30.0	26.7	33.3	32.7	32.0	26.1	23.6
1956	W	22.8	22.3	22.3	22.2	21.8	21.5	31.5	44.2	50.7	48.6	47.1	45.4
1957	BN	43.7	43.4	43.0	42.7	42.4	42.1	50.3	57.2	53.6	53.1	52.7	52.2
1958	W	51.5	51.1	50.8	50.4	50.3	50.2	50.1	50.0	25.5	49.3	49.2	49.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	14.6	26.4	26.9	27.5	27.9	28.2
1960	C	28.3	28.3	28.3	28.3	28.2	28.2	28.6	40.7	40.0	39.2	38.1	37.6
1961	C	37.5	37.4	37.4	37.3	37.3	37.2	37.2	37.2	37.2	34.9	25.7	24.7
1962	BN	34.3	34.3	34.3	34.2	20.0	34.1	34.9	55.5	55.0	53.9	52.9	52.5
1963	AN	33.3	20.5	47.3	52.0	52.6	52.5	51.2	64.5	63.6	62.5	61.3	60.2
1964	D	59.9	59.8	59.7	59.6	59.5	59.4	58.6	70.8	69.8	68.5	67.2	66.3
1965	W	66.1	66.0	66.0	65.9	65.8	65.3	62.5	65.0	59.5	58.7	58.0	57.4
1966	BN	56.3	55.8	55.3	54.7	54.2	53.1	61.9	54.0	52.3	50.2	48.4	47.6
1967	W	45.9	45.1	44.4	43.3	42.3	42.2	42.2	42.1	41.9	41.8	41.7	41.6
1968	D	25.7	17.9	7.8	0.0	0.0	0.0	14.6	26.4	26.9	27.4	27.9	28.1
1969	W	28.2	28.2	28.2	28.2	28.1	12.9	12.9	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	22.2	24.8	25.0	25.1	25.0
1971	BN	25.0	25.0	24.9	24.9	24.9	24.7	33.6	44.8	42.7	42.9	43.0	42.7
1972	D	42.2	42.0	41.8	41.6	41.4	40.8	36.3	19.6	19.1	18.3	17.6	16.9
1973	AN	8.3	7.7	7.2	6.6	6.5	6.4	5.5	11.7	11.4	11.3	11.1	11.0
1974	W	10.8	10.7	10.7	10.6	10.5	10.3	10.3	10.3	18.1	17.1	16.5	16.1
1975	W	16.1	16.0	15.8	15.7	15.5	0.0	0.0	0.0	6.6	5.3	4.3	3.9
1976	C	3.9	3.7	3.5	3.3	3.1	2.9	2.6	14.0	13.9	13.8	13.7	13.3
1977	C	13.1	13.0	13.0	12.8	12.6	12.6	12.3	23.6	23.3	22.6	22.3	22.1
1978	W	22.1	22.0	22.0	22.0	22.0	20.6	18.2	16.0	15.7	15.3	14.9	14.6
1979	AN	13.4	13.0	12.7	11.3	11.3	11.1	9.5	13.0	12.5	12.3	12.2	12.0
1980	W	11.6	11.5	11.3	11.3	0.0	0.0	0.0	0.0	6.8	6.8	6.8	6.7
1981	D	6.7	6.7	6.7	0.0	0.0	0.0	10.0	26.4	26.6	26.9	27.1	27.2
1982	W	27.2	27.2	27.2	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	24.0	30.6	31.0	31.2	31.1
1985	D	31.0	31.0	31.0	31.0	31.0	30.5	28.6	38.7	68.4	67.7	67.1	66.6
1986	W	66.0	65.5	65.0	64.6	64.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	11.0	10.9	10.9	11.3
1988	C	11.3	11.3	11.3	11.3	11.3	11.3	11.0	10.7	10.5	10.0	9.7	9.6
1989	C	9.5	9.5	9.5	9.5	9.5	9.4	9.2	9.0	8.8	8.6	8.2	0.1
1990	C	7.9	7.9	0.0	0.0	7.8	7.8	7.8	7.8	7.7	7.7	7.3	7.2
1991	C	7.2	7.2	7.2	7.2	7.2	7.2	7.2	2.7	6.9	7.4	9.5	9.5
1992	C	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.2	9.1	9.0	9.0
1993	W	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.9	8.8	8.8	8.7	1.8
1994	C	8.6	4.4	8.6	8.6	8.6	8.5	18.5	27.5	27.5	27.6	27.4	27.3
Average		25.9	25.0	25.1	24.1	23.5	21.9	23.9	29.4	28.9	29.3	28.4	27.6
Maximum		66.1	66.0	66.0	65.9	65.8	65.3	62.5	70.8	69.8	68.5	67.2	66.6
Minimum		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average by Year Type													
W		27.5	26.2	25.9	25.7	23.6	17.4	17.3	16.4	15.5	16.3	16.0	15.4
AN		25.2	23.3	26.4	24.7	24.0	23.0	26.0	34.8	34.6	34.2	33.8	33.3
BN		26.8	26.6	26.4	26.1	24.6	25.5	30.2	40.4	39.5	39.0	38.5	38.1
D		29.0	28.1	27.1	25.6	25.5	25.1	28.9	38.2	40.7	40.3	37.5	35.3
C		21.9	21.6	20.7	18.9	20.6	21.6	22.4	26.9	24.6	26.5	25.3	24.6

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NewMelones

Table C-13. New Melones Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.8%	0.8%	0.9%	0.9%
1924	C	1.0%	1.0%	0.9%	0.9%	0.9%	0.9%	0.9%	1.0%	1.0%	1.1%	1.1%	1.2%
1925	BN	1.2%	1.2%	1.1%	1.1%	1.0%	0.9%	1.4%	2.0%	1.9%	1.9%	2.0%	2.1%
1926	D	2.1%	2.1%	2.0%	2.0%	1.8%	1.7%	2.3%	3.3%	3.4%	3.7%	4.0%	4.3%
1927	AN	4.3%	4.2%	4.0%	3.8%	3.4%	3.1%	2.7%	2.4%	2.2%	2.3%	2.4%	2.4%
1928	BN	2.3%	2.2%	2.1%	2.0%	1.9%	1.7%	2.2%	2.4%	2.4%	2.5%	2.7%	2.9%
1929	C	2.8%	2.8%	2.7%	2.7%	2.6%	2.6%	2.8%	3.8%	3.9%	4.2%	4.4%	4.7%
1930	C	4.8%	4.7%	4.6%	4.5%	4.3%	4.1%	4.2%	5.4%	5.2%	5.7%	6.2%	6.9%
1931	C	6.9%	6.7%	6.6%	6.5%	6.3%	6.2%	6.4%	7.0%	2.3%	8.1%	8.4%	9.0%
1932	AN	9.2%	8.9%	8.2%	7.7%	5.3%	3.5%	6.2%	6.3%	5.3%	5.4%	5.7%	6.3%
1933	D	6.3%	6.2%	6.0%	5.9%	5.8%	5.7%	5.7%	7.5%	7.1%	7.7%	7.1%	5.1%
1934	C	8.5%	8.4%	6.9%	3.1%	5.4%	7.3%	7.6%	8.5%	8.9%	10.2%	11.2%	12.4%
1935	AN	12.7%	12.5%	12.1%	11.2%	10.6%	9.7%	8.6%	7.0%	5.9%	6.2%	6.6%	7.3%
1936	AN	4.0%	2.3%	4.7%	6.0%	5.0%	4.5%	3.9%	3.9%	3.5%	3.7%	3.8%	4.1%
1937	W	4.1%	4.0%	3.9%	3.8%	3.5%	3.2%	2.9%	1.4%	1.3%	1.3%	1.4%	1.4%
1938	W	1.4%	1.3%	1.2%	1.1%	1.0%	0.9%	0.8%	0.7%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	1.5%	1.5%	1.7%	1.8%	2.0%
1940	AN	2.0%	2.0%	2.0%	1.8%	1.7%	1.5%	1.4%	1.8%	1.7%	1.8%	1.9%	2.0%
1941	W	2.0%	2.0%	1.9%	1.8%	1.7%	1.6%	1.6%	1.5%	1.2%	1.2%	1.3%	1.4%
1942	W	1.4%	1.3%	1.3%	1.2%	1.2%	1.1%	1.1%	1.0%	1.3%	1.3%	1.3%	1.4%
1943	W	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.5%	1.5%	1.6%	1.8%	1.9%
1945	AN	1.9%	1.9%	1.8%	1.8%	1.6%	1.5%	1.5%	1.7%	1.4%	1.4%	1.5%	1.5%
1946	AN	1.5%	1.5%	1.4%	1.3%	1.2%	1.2%	1.7%	2.2%	2.1%	2.3%	2.4%	2.5%
1947	D	2.6%	2.5%	2.5%	2.4%	2.4%	2.2%	2.0%	2.6%	2.6%	2.9%	2.3%	2.3%
1948	BN	2.0%	2.0%	1.9%	1.7%	1.5%	1.5%	1.5%	2.3%	2.1%	2.2%	2.3%	2.4%
1949	BN	2.4%	2.4%	2.3%	2.3%	2.3%	2.2%	2.4%	3.5%	3.4%	3.6%	3.8%	4.1%
1950	BN	4.2%	4.2%	4.1%	3.9%	3.7%	3.4%	2.9%	3.3%	3.0%	3.1%	3.3%	3.5%
1951	AN	3.5%	2.8%	2.2%	0.0%	0.0%	0.0%	0.5%	1.4%	1.4%	1.5%	1.6%	1.7%
1952	W	1.7%	1.7%	1.6%	1.5%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	1.3%	1.2%	1.3%	1.4%	1.4%
1954	BN	1.5%	1.4%	1.4%	1.4%	1.4%	1.3%	1.2%	1.9%	1.9%	2.0%	2.1%	2.2%
1955	D	2.2%	2.2%	2.1%	2.0%	2.0%	1.9%	1.8%	2.3%	2.2%	2.4%	2.1%	2.0%
1956	W	2.0%	1.9%	1.6%	1.3%	1.2%	1.1%	1.7%	2.2%	2.4%	2.3%	2.4%	2.4%
1957	BN	2.4%	2.3%	2.3%	2.3%	2.2%	2.1%	2.7%	3.1%	2.8%	2.9%	3.0%	3.2%
1958	W	3.3%	3.2%	3.2%	3.1%	2.9%	2.7%	2.6%	2.3%	1.1%	2.1%	2.2%	2.4%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.5%	1.6%	1.8%	2.0%	2.1%
1960	C	2.2%	2.2%	2.2%	2.1%	2.1%	2.0%	2.1%	3.1%	3.1%	3.4%	3.5%	3.9%
1961	C	4.0%	3.9%	3.8%	3.8%	3.7%	3.6%	3.7%	3.9%	4.1%	4.3%	3.4%	3.5%
1962	BN	5.0%	4.9%	4.8%	4.7%	2.5%	4.1%	4.1%	6.2%	5.6%	5.9%	6.3%	7.1%
1963	AN	4.3%	2.6%	5.9%	6.1%	5.3%	5.0%	4.9%	5.1%	4.6%	4.7%	5.0%	5.3%
1964	D	5.3%	5.1%	5.0%	4.8%	4.7%	4.5%	4.6%	5.8%	5.8%	6.3%	6.7%	7.3%
1965	W	7.4%	7.2%	5.7%	4.8%	4.5%	4.2%	3.9%	3.9%	3.3%	3.3%	3.5%	3.7%
1966	BN	3.7%	3.6%	3.4%	3.3%	3.2%	3.1%	3.7%	3.3%	3.3%	3.4%	3.5%	3.7%
1967	W	3.6%	3.5%	3.2%	2.9%	2.7%	2.5%	2.5%	2.2%	1.9%	1.9%	2.0%	2.1%
1968	D	1.3%	0.9%	0.4%	0.0%	0.0%	0.0%	0.8%	1.5%	1.5%	1.7%	1.9%	2.1%
1969	W	2.1%	2.0%	2.0%	1.7%	1.5%	0.6%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	1.1%	1.2%	1.3%	1.4%	1.5%
1971	BN	1.5%	1.5%	1.4%	1.4%	1.4%	1.3%	1.8%	2.5%	2.2%	2.4%	2.5%	2.7%
1972	D	2.7%	2.7%	2.6%	2.5%	2.4%	2.3%	2.2%	1.2%	1.2%	1.2%	1.3%	1.4%
1973	AN	0.7%	0.6%	0.6%	0.5%	0.4%	0.4%	0.3%	0.7%	0.6%	0.7%	0.7%	0.7%
1974	W	0.7%	0.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%	0.8%	0.8%	0.8%	0.9%
1975	W	0.9%	0.9%	0.9%	0.8%	0.8%	0.0%	0.0%	0.0%	0.3%	0.3%	0.2%	0.2%
1976	C	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.8%	0.9%	0.9%	1.0%	1.0%
1977	C	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	2.1%	2.1%	2.2%	2.3%	2.5%
1978	W	2.6%	2.6%	2.5%	2.3%	2.1%	1.7%	1.5%	1.2%	1.0%	1.0%	1.1%	1.1%
1979	AN	1.0%	1.0%	0.9%	0.8%	0.7%	0.7%	0.6%	0.7%	0.7%	0.7%	0.8%	0.8%
1980	W	0.8%	0.8%	0.8%	0.6%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.3%
1981	D	0.4%	0.4%	0.3%	0.0%	0.0%	0.0%	0.5%	1.5%	1.6%	1.7%	1.9%	2.0%
1982	W	2.1%	2.0%	1.8%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	1.2%	1.6%	1.7%	1.8%	1.9%
1985	D	1.9%	1.8%	1.8%	1.8%	1.7%	1.7%	1.6%	2.2%	4.2%	4.6%	4.9%	5.3%
1986	W	5.3%	5.2%	5.0%	4.7%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.8%	0.8%	0.9%
1988	C	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	1.0%	1.0%	1.0%
1989	C	1.1%	1.1%	1.1%	1.1%	1.0%	0.9%	0.9%	0.9%	0.9%	1.0%	1.0%	0.0%
1990	C	1.0%	1.0%	0.0%	0.0%	1.0%	0.9%	1.0%	1.1%	1.1%	1.3%	1.3%	1.5%
1991	C	1.5%	1.5%	1.4%	1.4%	1.4%	1.3%	1.4%	0.5%	1.4%	1.8%	2.8%	3.1%
1992	C	3.0%	2.9%	2.7%	2.6%	2.2%	2.0%	2.1%	2.5%	3.1%	4.1%	6.1%	7.7%
1993	W	8.4%	8.3%	6.7%	3.2%	2.3%	1.6%	1.5%	1.2%	1.1%	1.1%	1.1%	0.2%
1994	C	1.1%	0.6%	1.1%	1.0%	1.0%	0.9%	2.2%	3.6%	3.7%	4.3%	4.8%	5.1%
Average		2.6%	2.4%	2.4%	2.1%	1.9%	1.8%	1.9%	2.3%	2.1%	2.4%	2.5%	2.7%
Maximum		12.7%	12.5%	12.1%	11.2%	10.6%	9.7%	8.6%	8.5%	8.9%	10.2%	11.2%	12.4%
Minimum		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average by Year Type													
W		2.5%	2.4%	2.2%	1.9%	1.5%	1.1%	1.1%	0.9%	0.8%	0.8%	0.9%	0.9%
AN		3.2%	2.9%	3.1%	2.9%	2.5%	2.2%	2.4%	2.6%	2.4%	2.5%	2.6%	2.8%
BN		2.2%	2.1%	2.1%	2.0%	1.8%	1.8%	2.1%	2.8%	2.6%	2.7%	2.9%	3.1%
D		2.2%	2.2%	2.1%	1.9%	1.9%	1.8%	2.1%	2.8%	3.0%	3.2%	3.3%	3.3%
C		2.5%	2.4%	2.3%	2.0%	2.1%	2.2%	2.3%	2.9%	2.7%	3.4%	3.7%	4.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NewMelones

Table C-14. New Don Pedro Reservoir End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	1,345	1,294	1,295	1,382	1,641	1,690	1,703	1,880	2,030	1,985	1,845	1,753
1923	AN	1,690	1,657	1,690	1,690	1,690	1,690	1,697	1,750	1,766	1,704	1,569	1,498
1924	C	1,451	1,402	1,366	1,355	1,360	1,352	1,326	1,261	1,155	1,051	951	897
1925	BN	876	868	970	1,045	1,224	1,352	1,449	1,513	1,626	1,546	1,408	1,336
1926	D	1,291	1,248	1,220	1,226	1,296	1,366	1,468	1,549	1,466	1,336	1,213	1,148
1927	AN	1,109	1,121	1,182	1,216	1,467	1,599	1,684	1,707	1,900	1,834	1,694	1,617
1928	BN	1,567	1,560	1,569	1,589	1,644	1,690	1,713	1,800	1,777	1,636	1,493	1,414
1929	C	1,360	1,314	1,281	1,275	1,292	1,320	1,362	1,410	1,436	1,338	1,242	1,184
1930	C	1,148	1,117	1,152	1,190	1,241	1,329	1,386	1,402	1,416	1,323	1,232	1,183
1931	C	1,153	1,134	1,192	1,223	1,247	1,233	1,176	1,108	1,006	892	797	749
1932	AN	717	689	812	972	1,233	1,340	1,330	1,394	1,526	1,486	1,357	1,281
1933	D	1,224	1,167	1,122	1,119	1,177	1,226	1,231	1,227	1,273	1,170	1,059	998
1934	C	950	915	960	999	1,060	1,144	1,122	1,045	966	855	761	714
1935	AN	688	679	755	899	1,039	1,150	1,318	1,404	1,570	1,464	1,326	1,240
1936	AN	1,188	1,144	1,110	1,172	1,551	1,690	1,713	1,829	1,994	1,904	1,761	1,674
1937	W	1,614	1,563	1,531	1,535	1,690	1,690	1,712	1,818	1,993	1,868	1,728	1,644
1938	W	1,591	1,546	1,690	1,690	1,690	1,690	1,690	1,730	2,025	2,030	1,903	1,773
1939	D	1,690	1,656	1,645	1,656	1,690	1,690	1,713	1,685	1,579	1,449	1,330	1,275
1940	AN	1,258	1,230	1,285	1,454	1,690	1,690	1,709	1,793	1,940	1,788	1,645	1,557
1941	W	1,504	1,457	1,546	1,690	1,690	1,690	1,690	1,780	2,007	1,991	1,851	1,755
1942	W	1,688	1,645	1,690	1,690	1,690	1,690	1,713	1,750	1,957	1,971	1,831	1,733
1943	W	1,665	1,664	1,690	1,690	1,690	1,690	1,712	1,769	1,922	1,846	1,707	1,620
1944	BN	1,566	1,519	1,484	1,484	1,584	1,690	1,684	1,742	1,709	1,597	1,454	1,374
1945	AN	1,328	1,338	1,454	1,475	1,690	1,690	1,691	1,734	1,914	1,860	1,713	1,620
1946	AN	1,598	1,592	1,690	1,690	1,690	1,690	1,694	1,712	1,766	1,615	1,466	1,379
1947	D	1,326	1,307	1,420	1,426	1,465	1,504	1,534	1,515	1,438	1,308	1,183	1,120
1948	BN	1,099	1,072	1,107	1,123	1,119	1,136	1,174	1,260	1,418	1,311	1,170	1,096
1949	BN	1,049	1,005	1,005	1,001	1,019	1,175	1,234	1,267	1,284	1,142	997	922
1950	BN	874	832	828	854	1,028	1,149	1,212	1,265	1,353	1,227	1,089	1,011
1951	AN	980	1,364	1,690	1,690	1,690	1,690	1,669	1,636	1,655	1,502	1,358	1,268
1952	W	1,215	1,177	1,310	1,599	1,690	1,690	1,690	1,873	2,030	2,030	1,901	1,773
1953	BN	1,690	1,642	1,638	1,690	1,690	1,690	1,695	1,711	1,741	1,711	1,576	1,502
1954	BN	1,456	1,421	1,396	1,410	1,481	1,657	1,710	1,808	1,816	1,676	1,528	1,449
1955	D	1,400	1,361	1,351	1,401	1,485	1,548	1,557	1,593	1,553	1,427	1,301	1,237
1956	W	1,198	1,168	1,690	1,690	1,690	1,690	1,692	1,793	2,030	2,030	1,892	1,773
1957	BN	1,690	1,644	1,614	1,616	1,690	1,690	1,678	1,732	1,863	1,736	1,594	1,514
1958	W	1,470	1,429	1,426	1,464	1,686	1,690	1,690	1,882	2,030	2,018	1,888	1,773
1959	D	1,690	1,637	1,588	1,619	1,690	1,690	1,709	1,679	1,592	1,462	1,339	1,297
1960	C	1,254	1,223	1,242	1,269	1,363	1,458	1,512	1,532	1,445	1,337	1,245	1,199
1961	C	1,170	1,147	1,178	1,220	1,242	1,234	1,204	1,143	1,056	952	862	815
1962	BN	784	756	766	793	1,018	1,170	1,251	1,298	1,461	1,387	1,250	1,178
1963	AN	1,140	1,099	1,128	1,168	1,373	1,415	1,504	1,634	1,897	1,860	1,728	1,650
1964	D	1,603	1,613	1,657	1,673	1,690	1,690	1,696	1,704	1,713	1,594	1,480	1,423
1965	W	1,388	1,384	1,690	1,690	1,690	1,690	1,713	1,769	1,921	1,931	1,826	1,743
1966	BN	1,677	1,690	1,690	1,690	1,690	1,690	1,696	1,666	1,545	1,400	1,255	1,183
1967	W	1,138	1,133	1,325	1,527	1,686	1,690	1,690	1,830	2,030	2,030	1,914	1,773
1968	D	1,690	1,639	1,613	1,626	1,690	1,690	1,712	1,695	1,633	1,501	1,384	1,319
1969	W	1,279	1,281	1,418	1,690	1,690	1,690	1,690	1,930	2,030	2,030	1,905	1,773
1970	AN	1,690	1,657	1,690	1,690	1,690	1,690	1,671	1,664	1,685	1,565	1,435	1,358
1971	BN	1,308	1,313	1,463	1,633	1,690	1,690	1,685	1,686	1,691	1,602	1,472	1,402
1972	D	1,354	1,327	1,443	1,531	1,630	1,690	1,659	1,644	1,578	1,455	1,345	1,286
1973	AN	1,250	1,235	1,364	1,574	1,690	1,690	1,673	1,731	1,834	1,687	1,550	1,468
1974	W	1,423	1,474	1,629	1,690	1,690	1,690	1,690	1,749	1,953	1,863	1,727	1,649
1975	W	1,603	1,557	1,536	1,552	1,690	1,690	1,691	1,798	2,030	1,945	1,815	1,729
1976	C	1,690	1,662	1,656	1,635	1,635	1,640	1,602	1,536	1,440	1,334	1,250	1,211
1977	C	1,184	1,157	1,162	1,175	1,170	1,136	1,057	973	874	763	669	621
1978	W	589	564	602	778	993	1,223	1,331	1,462	1,821	1,914	1,786	1,741
1979	AN	1,687	1,651	1,625	1,690	1,690	1,690	1,692	1,816	1,931	1,790	1,652	1,576
1980	W	1,536	1,500	1,507	1,690	1,690	1,690	1,689	1,778	2,030	2,030	1,905	1,773
1981	D	1,690	1,637	1,602	1,620	1,684	1,690	1,713	1,731	1,651	1,525	1,418	1,363
1982	W	1,338	1,417	1,620	1,690	1,690	1,690	1,690	1,900	2,030	2,030	1,916	1,773
1983	W	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,863	2,030	2,030	2,017	1,773
1984	AN	1,690	1,690	1,690	1,690	1,690	1,690	1,657	1,690	1,789	1,666	1,526	1,442
1985	D	1,400	1,397	1,453	1,512	1,543	1,632	1,697	1,696	1,605	1,480	1,370	1,317
1986	W	1,289	1,280	1,401	1,520	1,690	1,690	1,696	1,853	2,030	1,941	1,803	1,722
1987	C	1,663	1,610	1,564	1,540	1,549	1,570	1,565	1,515	1,425	1,317	1,225	1,177
1988	C	1,151	1,130	1,153	1,218	1,310	1,322	1,277	1,212	1,118	1,013	920	872
1989	C	840	825	850	888	932	1,083	1,183	1,230	1,297	1,192	1,097	1,061
1990	C	1,067	1,046	1,085	1,117	1,166	1,192	1,182	1,147	1,125	1,020	914	853
1991	C	821	796	802	812	804	864	932	987	1,045	982	898	858
1992	C	839	818	841	871	945	1,008	1,008	1,066	999	932	837	777
1993	W	750	720	761	1,049	1,258	1,470	1,532	1,622	1,879	1,875	1,745	1,669
1994	C	1,619	1,565	1,523	1,520	1,539	1,595	1,632	1,642	1,561	1,461	1,378	1,334
Average		1,324	1,305	1,354	1,407	1,483	1,523	1,541	1,589	1,654	1,569	1,448	1,370
Maximum		1,690	1,690	1,690	1,690	1,690	1,690	1,713	1,930	2,030	2,030	2,017	1,773
Minimum		589	564	602	778	804	864	932	973	874	763	669	621
Average by Year Type													
W		1,366	1,347	1,452	1,550	1,631	1,656	1,670	1,791	1,990	1,969	1,845	1,736
AN		1,287	1,296	1,369	1,433	1,562	1,600	1,622	1,678	1,798	1,695	1,556	1,473
BN		1,303	1,277	1,294	1,327	1,406	1,482	1,515	1,562	1,607	1,498	1,357	1,282
D		1,487	1,454	1,465	1,492	1,549	1,583	1,608	1,611	1,553	1,428	1,311	1,253
C		1,210	1,179	1,188	1,207	1,241	1,280	1,283	1,263	1,210	1,110	1,017	969

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NewDonPedro

Table C-15. New Don Pedro Reservoir End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	9.9	9.9	9.8
1924	C	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.7	9.6
1925	BN	9.6	9.6	9.6	9.6	9.6	9.6	9.6	24.1	24.1	24.0	23.9	23.8
1926	D	23.7	23.7	23.7	23.7	23.7	23.7	23.7	38.2	38.1	37.9	37.8	37.6
1927	AN	37.5	37.5	37.5	37.5	37.5	37.5	22.2	32.1	32.0	31.9	31.7	31.6
1928	BN	31.6	31.5	31.5	31.6	31.6	0.0	10.0	22.0	21.9	21.8	21.7	21.6
1929	C	21.6	21.6	21.6	21.6	21.6	21.6	21.6	31.5	31.4	31.2	31.1	31.0
1930	C	30.9	30.9	30.9	30.9	30.9	30.9	30.9	40.8	40.7	40.5	40.3	40.2
1931	C	40.1	40.1	40.1	40.1	40.1	40.1	40.0	39.9	39.8	39.6	39.4	39.2
1932	AN	39.2	39.1	39.1	39.1	39.2	39.1	39.1	49.0	48.8	48.6	48.4	48.2
1933	D	48.1	48.1	48.1	48.1	48.1	48.1	48.1	57.9	57.7	57.5	57.2	57.0
1934	C	56.9	56.8	56.8	56.9	56.9	56.8	56.8	56.6	56.4	56.2	55.9	55.7
1935	AN	55.6	55.5	55.5	55.5	55.5	55.5	55.5	55.3	55.1	54.9	54.7	54.5
1936	AN	54.4	54.3	54.3	54.3	54.3	41.9	14.0	14.9	14.8	14.8	14.7	14.7
1937	W	14.6	14.6	14.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	7.0	22.0	21.9	21.8	21.7	21.6
1940	AN	21.6	21.6	21.6	21.6	0.0	0.0	0.0	8.2	8.2	8.1	8.1	8.1
1941	W	8.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	22.0	21.9	21.8	21.7	21.6
1945	AN	21.6	21.6	21.6	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946	AN	0.0	0.0	0.0	0.0	0.0	0.0	3.7	18.0	17.9	17.8	17.8	17.7
1947	D	17.7	17.7	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5	17.4	17.3
1948	BN	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.2	17.2	17.1	17.0	16.9
1949	BN	16.9	16.9	16.9	16.9	16.9	16.9	16.9	26.8	26.7	26.6	26.5	26.4
1950	BN	26.3	26.3	26.3	26.3	26.3	26.3	26.3	36.2	36.1	35.9	35.8	35.6
1951	AN	35.6	35.5	0.0	0.0	0.0	0.0	10.0	20.6	20.5	20.4	20.3	20.3
1952	W	20.2	20.2	20.2	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.7	15.6	15.6	15.5	15.5
1954	BN	15.4	15.4	15.4	15.4	15.4	15.4	8.2	18.2	18.1	18.1	18.0	17.9
1955	D	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.8	17.8	17.7	17.6	17.5
1956	W	17.5	17.5	8.3	0.0	0.0	0.0	5.6	12.4	0.0	0.0	0.0	0.0
1957	BN	0.0	0.0	0.0	0.0	0.0	0.0	2.6	14.6	14.5	14.5	14.4	14.4
1958	W	14.3	14.3	14.3	14.3	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	13.8	22.0	21.9	21.8	21.7	21.6
1960	C	21.6	21.6	21.6	21.6	21.6	21.6	21.5	31.5	31.4	31.2	31.1	31.0
1961	C	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.8	30.7	30.5	30.4	30.3
1962	BN	30.2	30.2	30.2	30.2	30.2	30.2	30.2	48.1	47.9	47.7	47.5	47.3
1963	AN	47.2	47.2	47.2	47.2	47.2	47.2	47.2	57.0	56.8	56.6	56.4	56.2
1964	D	56.1	56.0	56.0	56.1	48.0	43.9	43.9	53.8	53.6	53.4	53.1	53.0
1965	W	52.9	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	BN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	22.0	21.9	21.8	21.7	21.6
1967	W	21.6	21.6	21.6	21.6	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	12.0	22.0	21.9	21.8	21.7	21.6
1969	W	21.6	21.6	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	17.9	17.8	17.8	17.7
1971	BN	17.7	17.7	17.7	17.7	0.0	0.0	6.0	18.0	17.9	17.8	17.8	17.7
1972	D	17.7	17.7	17.7	17.7	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
1977	C	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1978	W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
1979	AN	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	0.0	0.0	0.0	10.0	22.0	21.9	21.8	21.7	21.6
1982	W	21.6	21.6	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	10.0	22.0	21.9	21.8	21.7	21.6
1985	D	21.6	21.6	21.6	21.6	21.6	21.6	19.2	29.1	29.0	28.9	28.8	28.7
1986	W	28.6	28.6	28.6	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	10.9	10.8	10.8	10.8
Average		15.3	15.3	13.9	13.1	11.3	9.9	10.7	15.9	15.7	15.6	15.5	15.5
Maximum		56.9	56.8	56.8	56.9	56.9	56.8	56.8	57.9	57.7	57.5	57.2	57.0
Minimum		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average by Year Type													
W		11.1	11.1	8.0	5.0	1.8	0.0	0.3	0.7	0.0	0.0	0.0	0.0
AN		22.4	22.4	19.8	19.8	16.7	15.8	14.4	21.8	21.7	21.6	21.5	21.5
BN		13.8	13.7	13.7	13.7	12.3	9.6	12.6	23.7	23.7	23.6	23.4	23.4
D		18.4	18.4	18.4	18.4	17.7	15.7	19.4	27.5	27.4	27.3	27.1	27.1
C		13.3	13.3	13.3	13.3	13.3	13.3	13.3	15.9	15.8	15.7	15.7	15.6

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NewDonPedro

Table C-16. New Don Pedro Reservoir End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.6%	0.6%	0.6%	0.7%
1924	C	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.8%	0.9%	0.9%	1.0%	1.1%
1925	BN	1.1%	1.1%	1.0%	0.9%	0.8%	0.7%	0.7%	1.6%	1.5%	1.6%	1.7%	1.8%
1926	D	1.9%	1.9%	2.0%	2.0%	1.9%	1.8%	1.6%	2.5%	2.7%	2.9%	3.2%	3.4%
1927	AN	3.5%	3.5%	3.3%	3.2%	2.6%	2.4%	1.3%	1.9%	1.7%	1.8%	1.9%	2.0%
1928	BN	2.1%	2.1%	2.1%	2.0%	2.0%	0.0%	0.6%	1.2%	1.2%	1.3%	1.5%	1.6%
1929	C	1.6%	1.7%	1.7%	1.7%	1.7%	1.7%	1.6%	2.3%	2.2%	2.4%	2.6%	2.7%
1930	C	2.8%	2.8%	2.8%	2.7%	2.6%	2.4%	2.3%	3.0%	3.0%	3.2%	3.4%	3.5%
1931	C	3.6%	3.7%	3.5%	3.4%	3.3%	3.4%	3.5%	3.7%	4.1%	4.6%	5.2%	5.5%
1932	AN	5.8%	6.0%	5.1%	4.2%	3.3%	3.0%	3.0%	3.6%	3.3%	3.4%	3.7%	3.9%
1933	D	4.1%	4.3%	4.5%	4.5%	4.3%	4.1%	4.1%	5.0%	4.8%	5.2%	5.7%	6.1%
1934	C	6.4%	6.6%	6.3%	6.0%	5.7%	5.2%	5.3%	5.7%	6.2%	7.0%	7.9%	8.5%
1935	AN	8.8%	8.9%	7.9%	6.6%	5.6%	5.1%	4.4%	4.1%	3.6%	3.9%	4.3%	4.6%
1936	AN	4.8%	5.0%	5.1%	4.9%	3.6%	2.5%	0.8%	0.8%	0.8%	0.8%	0.8%	0.9%
1937	W	0.9%	0.9%	1.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.3%	1.4%	1.5%	1.7%	1.7%
1940	AN	1.7%	1.8%	1.7%	1.5%	0.0%	0.0%	0.0%	0.5%	0.4%	0.5%	0.5%	0.5%
1941	W	0.5%	0.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.3%	1.3%	1.4%	1.5%	1.6%
1945	AN	1.7%	1.6%	1.5%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	1.1%	1.0%	1.1%	1.2%	1.3%
1947	D	1.4%	1.4%	1.3%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.4%	1.5%	1.6%
1948	BN	1.6%	1.6%	1.6%	1.6%	1.6%	1.5%	1.5%	1.4%	1.2%	1.3%	1.5%	1.6%
1949	BN	1.6%	1.7%	1.7%	1.7%	1.7%	1.5%	1.4%	2.2%	2.1%	2.4%	2.7%	2.9%
1950	BN	3.1%	3.3%	3.3%	3.2%	2.6%	2.3%	2.2%	2.9%	2.7%	3.0%	3.4%	3.7%
1951	AN	3.8%	2.7%	0.0%	0.0%	0.0%	0.0%	0.6%	1.3%	1.3%	1.4%	1.5%	1.6%
1952	W	1.7%	1.7%	1.6%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.9%	0.9%	0.9%	1.0%	1.0%
1954	BN	1.1%	1.1%	1.1%	1.1%	1.1%	0.9%	0.5%	1.0%	1.0%	1.1%	1.2%	1.3%
1955	D	1.3%	1.3%	1.3%	1.3%	1.2%	1.2%	1.2%	1.1%	1.2%	1.3%	1.4%	1.4%
1956	W	1.5%	1.5%	0.5%	0.0%	0.0%	0.0%	0.3%	0.7%	0.0%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.8%	0.8%	0.8%	0.9%	1.0%
1958	W	1.0%	1.0%	1.0%	1.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.3%	1.4%	1.5%	1.6%	1.7%
1960	C	1.7%	1.8%	1.8%	1.7%	1.6%	1.5%	1.4%	2.1%	2.2%	2.4%	2.6%	2.7%
1961	C	2.7%	2.8%	2.7%	2.6%	2.6%	2.6%	2.6%	2.8%	3.0%	3.3%	3.7%	3.9%
1962	BN	4.0%	4.2%	4.1%	4.0%	3.1%	2.6%	2.5%	3.8%	3.4%	3.6%	3.9%	4.2%
1963	AN	4.3%	4.5%	4.4%	4.2%	3.6%	3.4%	3.2%	3.6%	3.1%	3.1%	3.4%	3.5%
1964	D	3.6%	3.6%	3.5%	3.5%	2.9%	2.7%	2.7%	3.3%	3.2%	3.5%	3.7%	3.9%
1965	W	4.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.3%	1.4%	1.6%	1.8%	1.9%
1967	W	1.9%	1.9%	1.7%	1.4%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	1.3%	1.4%	1.5%	1.6%	1.7%
1969	W	1.7%	1.7%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	1.1%	1.2%	1.3%	1.3%
1971	BN	1.4%	1.4%	1.2%	1.1%	0.0%	0.0%	0.4%	1.1%	1.1%	1.1%	1.2%	1.3%
1972	D	1.3%	1.3%	1.2%	1.2%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%
1977	C	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
1978	W	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%
1979	AN	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1980	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.3%	1.3%	1.4%	1.6%	1.6%
1982	W	1.6%	1.5%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.3%	1.2%	1.3%	1.4%	1.5%
1985	D	1.6%	1.6%	1.5%	1.4%	1.4%	1.3%	1.1%	1.7%	1.8%	2.0%	2.1%	2.2%
1986	W	2.3%	2.3%	2.1%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.7%	0.8%	0.8%
Average		1.4%	1.4%	1.3%	1.1%	0.9%	0.8%	0.8%	1.1%	1.1%	1.2%	1.3%	1.4%
Maximum		8.8%	8.9%	7.9%	6.6%	5.7%	5.2%	5.3%	5.7%	6.2%	7.0%	7.9%	8.5%
Minimum		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average by Year Type													
W		0.9%	0.9%	0.6%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AN		2.5%	2.4%	2.1%	1.9%	1.3%	1.2%	1.0%	1.4%	1.3%	1.4%	1.5%	1.6%
BN		1.3%	1.4%	1.3%	1.3%	1.1%	0.8%	0.9%	1.6%	1.6%	1.7%	1.9%	2.0%
D		1.4%	1.4%	1.4%	1.4%	1.3%	1.1%	1.3%	1.8%	1.9%	2.0%	2.2%	2.3%
C		1.2%	1.3%	1.2%	1.2%	1.1%	1.1%	1.1%	1.3%	1.4%	1.6%	1.7%	1.8%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NewDonPedro

Table C-17. Lake McClure End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	474	466	501	533	676	737	776	969	1,024	968	870	803
1923	AN	664	670	676	676	676	691	761	921	945	873	773	706
1924	C	664	661	661	661	663	646	634	614	515	410	331	279
1925	BN	264	278	294	307	409	445	537	670	686	597	501	435
1926	D	418	413	413	419	477	490	576	531	488	425	356	301
1927	AN	281	284	298	300	336	360	376	547	612	574	546	540
1928	BN	539	535	554	571	589	586	577	648	625	582	556	538
1929	C	527	519	514	507	511	508	494	485	450	427	419	375
1930	C	356	350	348	345	342	325	349	361	382	397	419	414
1931	C	398	392	391	390	394	388	403	418	359	288	237	204
1932	AN	190	190	261	303	460	497	539	691	810	734	633	567
1933	D	544	533	528	537	544	545	545	555	605	493	398	342
1934	C	320	314	325	346	380	417	453	433	387	316	265	231
1935	AN	217	230	246	317	365	409	599	792	917	822	721	654
1936	AN	633	634	635	663	676	735	851	969	998	907	805	738
1937	W	664	660	668	676	676	737	814	969	1,024	924	821	754
1938	W	664	661	676	676	676	737	851	969	1,024	1,019	935	851
1939	D	664	669	675	676	676	702	759	730	627	498	401	337
1940	AN	330	332	336	452	583	689	782	956	962	846	745	679
1941	W	652	649	676	676	676	737	810	969	1,024	990	898	830
1942	W	664	669	676	676	676	726	827	969	1,024	970	905	838
1943	W	664	676	676	676	676	737	851	969	996	909	808	742
1944	BN	664	661	664	673	676	710	698	820	823	732	638	573
1945	AN	552	578	599	613	676	737	805	941	1,015	934	835	768
1946	AN	664	676	676	676	676	717	821	954	936	827	727	660
1947	D	646	668	676	676	676	696	710	755	677	555	459	403
1948	BN	386	385	388	390	391	381	399	511	600	505	413	348
1949	BN	325	319	320	320	330	362	412	522	504	389	296	232
1950	BN	209	204	201	226	274	280	362	469	466	355	263	199
1951	AN	176	423	676	676	676	720	763	811	784	671	570	504
1952	W	478	479	528	676	676	737	851	969	1,024	995	909	840
1953	BN	664	660	676	676	676	671	699	694	723	639	546	481
1954	BN	457	452	451	457	492	545	623	717	661	545	452	387
1955	D	365	356	361	382	397	392	369	437	446	331	236	181
1956	W	168	165	528	676	676	721	789	969	1,024	989	898	831
1957	BN	664	663	666	667	676	693	687	761	806	702	609	543
1958	W	518	517	531	556	628	737	851	969	1,024	983	894	826
1959	D	664	658	656	664	676	688	711	690	604	475	378	331
1960	C	312	307	304	304	349	381	451	520	503	431	379	345
1961	C	329	328	334	332	338	339	368	387	350	280	228	195
1962	BN	181	179	183	186	341	374	482	559	632	544	445	379
1963	AN	362	358	358	389	556	575	618	760	839	767	667	600
1964	D	579	602	610	625	637	625	612	626	578	456	360	305
1965	W	279	290	505	675	676	704	784	916	1,024	976	897	830
1966	BN	664	676	676	676	676	696	765	819	734	612	516	460
1967	W	435	437	539	592	633	737	851	969	1,024	1,024	946	851
1968	D	664	659	661	664	676	681	680	668	579	451	354	290
1969	W	264	277	306	648	676	737	851	969	1,024	1,022	934	851
1970	AN	664	674	676	676	676	737	734	821	812	704	605	539
1971	BN	515	521	559	595	621	633	636	692	741	647	553	488
1972	D	466	462	488	503	529	568	558	597	564	442	346	294
1973	AN	279	280	303	361	479	553	594	846	912	806	710	643
1974	W	621	670	676	676	676	737	808	969	1,024	925	825	756
1975	W	664	661	664	676	676	737	749	931	1,024	944	839	772
1976	C	664	671	675	671	676	669	640	617	522	420	343	294
1977	C	274	267	264	261	257	252	256	261	265	241	224	213
1978	W	197	190	212	312	451	601	753	969	1,024	1,024	947	851
1979	AN	664	669	673	676	676	737	778	969	987	882	780	713
1980	W	664	665	673	676	676	737	817	969	1,024	1,016	930	851
1981	D	664	654	653	667	676	685	712	746	683	560	464	408
1982	W	387	424	481	609	676	737	851	969	1,024	1,004	921	851
1983	W	664	676	676	676	676	737	827	969	1,024	1,024	997	851
1984	AN	664	676	676	676	676	731	766	895	870	761	659	593
1985	D	576	588	598	604	625	640	692	731	656	538	445	381
1986	W	367	374	399	435	676	737	838	969	1,024	934	835	768
1987	C	664	654	651	645	652	648	666	650	566	464	387	338
1988	C	319	320	323	340	352	373	405	428	394	323	272	239
1989	C	224	216	219	219	230	297	397	452	434	364	312	280
1990	C	276	274	276	280	289	314	367	372	334	267	216	183
1991	C	173	167	163	158	154	220	244	335	393	334	283	250
1992	C	236	234	236	236	285	306	381	406	353	297	246	212
1993	W	191	187	198	371	463	584	683	943	1,024	973	879	814
1994	C	664	657	657	656	670	669	668	672	599	493	414	362
Average		468	474	495	522	554	591	644	733	742	665	584	525
Maximum		664	676	676	676	676	737	851	969	1,024	1,024	997	851
Minimum		168	165	163	158	154	220	244	261	265	241	216	181
Average by Year Type													
W		484	490	539	608	650	720	812	963	1,023	981	894	818
AN		453	477	506	532	585	635	699	848	886	793	698	636
BN		461	461	469	479	513	531	573	657	667	571	482	422
D		568	569	575	583	599	610	629	643	591	475	382	325
C		400	396	396	397	409	422	448	463	425	359	311	276

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]McClure

Table C-18. Lake McClure End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	20.6	35.9	35.7	35.5	35.4	35.2
1924	C	5.3	5.3	5.3	5.3	5.3	5.3	11.3	24.4	24.3	24.2	24.0	23.9
1925	BN	23.9	23.9	23.9	23.9	23.9	23.9	48.8	68.6	68.3	67.9	67.6	67.3
1926	D	67.2	67.2	67.2	67.3	67.3	67.2	92.0	111.6	110.9	110.1	109.5	109.1
1927	AN	108.8	108.7	108.8	108.9	108.9	108.9	123.8	144.7	144.0	143.1	142.4	141.9
1928	BN	141.6	141.5	141.6	141.7	141.8	141.6	170.8	195.6	194.6	193.5	192.5	191.7
1929	C	191.3	191.3	191.4	191.6	191.6	191.5	216.2	226.9	225.7	224.3	223.0	222.1
1930	C	209.0	208.9	209.1	209.3	209.3	209.2	222.0	224.2	223.0	221.6	220.5	219.7
1931	C	219.2	219.1	219.2	219.5	219.5	219.3	218.6	217.4	216.3	173.1	121.9	88.6
1932	AN	74.7	74.7	74.8	74.8	74.9	74.8	82.1	105.5	105.0	104.4	103.9	103.4
1933	D	103.2	103.2	103.2	103.3	103.3	103.3	125.5	129.0	128.4	127.6	126.8	126.3
1934	C	125.9	125.9	126.0	126.1	126.1	126.0	133.3	149.9	149.2	148.2	147.2	116.4
1935	AN	102.4	102.3	102.4	102.5	102.5	102.5	102.3	126.9	126.3	125.6	125.0	124.5
1936	AN	124.3	124.2	124.3	124.4	0.0	0.0	0.0	25.0	24.8	24.7	24.6	24.5
1937	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	25.0	54.8	54.6	54.3	54.0	53.8
1940	AN	53.6	53.6	53.7	53.7	53.7	53.7	61.2	78.3	78.0	77.6	77.2	76.9
1941	W	76.8	76.7	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	3.1	17.9	0.0	0.0	0.0	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	35.6	54.8	54.6	54.3	54.1	53.9
1945	AN	53.8	53.7	53.8	53.8	0.0	0.0	0.0	25.0	24.9	24.7	24.6	24.5
1946	AN	0.0	0.0	0.0	0.0	0.0	0.0	25.0	49.1	48.9	48.6	48.4	48.3
1947	D	48.2	48.2	22.8	2.9	0.0	0.0	14.6	24.9	24.8	24.7	24.5	24.4
1948	BN	24.4	24.4	24.4	24.4	24.4	24.4	36.2	49.3	49.0	48.8	48.5	48.3
1949	BN	48.2	48.2	48.2	48.3	48.3	48.2	73.1	84.3	83.9	83.4	82.9	82.5
1950	BN	69.8	69.8	69.8	69.9	69.9	69.9	88.3	94.8	94.3	93.7	93.2	83.6
1951	AN	60.9	60.8	52.9	0.0	0.0	0.0	26.2	54.8	54.6	54.3	54.0	53.8
1952	W	53.7	53.7	53.7	52.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	25.0	44.9	44.7	44.5	44.3	44.1
1954	BN	44.0	44.0	44.0	44.0	44.0	44.0	68.9	79.1	78.7	78.3	77.9	77.6
1955	D	77.4	77.4	77.4	77.5	77.5	77.5	94.1	102.0	101.6	101.0	100.4	66.0
1956	W	52.9	50.2	50.2	0.0	0.0	0.0	25.0	41.7	0.0	0.0	0.0	0.0
1957	BN	0.0	0.0	0.0	0.0	0.0	0.0	25.0	43.1	42.9	42.6	42.4	42.3
1958	W	42.2	42.2	42.2	42.3	42.3	27.5	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	36.5	54.8	54.5	54.2	53.9	53.7
1960	C	53.5	53.5	53.5	53.6	53.6	53.6	78.4	89.5	88.9	88.4	87.9	87.5
1961	C	87.3	87.3	87.3	87.4	87.4	87.4	87.2	86.9	86.4	85.8	85.2	80.1
1962	BN	66.1	64.4	64.4	64.5	64.5	64.5	89.3	111.9	111.3	110.7	110.1	109.7
1963	AN	109.4	109.4	109.5	109.6	109.6	109.5	129.1	145.4	144.8	144.0	143.3	142.7
1964	D	142.4	142.4	142.5	142.6	142.6	142.5	167.2	171.7	170.9	169.9	169.0	168.2
1965	W	164.0	163.9	164.0	164.2	112.6	112.6	112.3	136.9	131.4	130.7	130.1	129.7
1966	BN	0.0	0.0	0.0	0.0	0.0	0.0	36.5	54.8	54.5	54.2	53.9	53.7
1967	W	53.6	53.6	53.6	53.7	53.7	28.0	14.2	0.0	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	36.5	54.8	54.6	54.2	54.0	53.7
1969	W	53.6	53.6	53.6	53.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	25.0	45.6	45.4	45.1	44.9	44.7
1971	BN	44.7	44.6	44.7	44.7	44.7	44.7	69.6	89.9	89.5	89.0	88.5	88.1
1972	D	88.0	87.9	88.0	88.1	88.1	88.0	94.6	107.3	106.8	106.2	105.6	105.1
1973	AN	104.9	104.8	104.9	105.0	105.0	105.0	104.8	129.3	128.6	127.9	127.3	126.9
1974	W	126.6	126.6	80.3	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	0.0	0.0	17.4	24.9	24.8	24.6	24.5	24.4
1977	C	24.3	24.3	24.3	24.4	24.4	24.4	41.2	49.1	48.8	48.5	48.2	47.9
1978	W	45.6	45.6	45.6	45.7	45.7	45.6	45.5	5.3	0.0	0.0	0.0	0.0
1979	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.3	24.6	24.5	24.4	24.2	24.1
1980	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	0.0	0.0	0.0	35.0	54.8	54.5	54.1	53.9	53.6
1982	W	53.5	53.5	53.5	53.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	27.9	54.8	54.5	54.2	53.9	53.7
1985	D	53.6	53.6	53.6	53.7	53.7	53.6	77.9	86.3	85.9	85.4	85.0	84.6
1986	W	84.4	84.4	84.5	84.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	14.9	24.9	24.8	24.7	24.5	24.4
1988	C	24.4	24.4	24.4	24.4	24.4	24.4	33.6	48.1	47.8	47.5	47.3	47.1
1989	C	47.0	47.0	47.0	47.1	47.1	47.1	46.9	46.8	46.6	46.3	46.1	45.9
1990	C	45.8	45.8	45.8	45.9	45.9	45.9	45.7	45.6	45.3	45.0	44.7	44.5
1991	C	37.2	37.1	37.2	37.2	37.2	37.2	37.1	37.0	36.8	36.6	36.4	36.2
1992	C	36.1	36.1	36.1	36.2	36.2	36.2	36.0	35.9	35.7	35.4	35.2	35.0
1993	W	22.4	22.4	22.5	22.5	22.5	22.5	29.3	40.1	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	25.0	36.4	36.2	36.0	35.8	35.7
Average		51.7	51.6	49.8	46.7	40.2	39.6	51.9	63.1	60.9	60.0	59.0	57.2
Maximum		219.2	219.1	219.2	219.5	219.5	219.3	222.0	226.9	225.7	224.3	223.0	222.1
Minimum		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average by Year Type													
W		41.5	41.3	36.5	28.6	13.8	11.8	11.5	13.7	6.6	6.5	6.5	6.5
AN		56.6	56.6	56.1	52.3	39.6	39.6	52.0	74.6	74.3	73.9	73.5	73.2
BN		38.6	38.4	38.4	38.5	38.5	38.4	63.9	80.9	80.5	80.1	79.7	78.6
D		52.7	52.7	50.4	48.7	48.4	48.4	72.6	86.6	86.1	85.6	85.1	81.7
C		69.1	69.1	69.2	69.2	69.3	69.2	79.0	85.5	85.0	81.9	78.3	73.7

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]McClure

Table C-19. Lake McClure End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	4.1%	3.9%	4.2%	4.8%	5.3%
1924	C	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	1.8%	4.1%	5.0%	6.3%	7.8%	9.4%
1925	BN	10.0%	9.4%	8.8%	8.5%	6.2%	5.7%	10.0%	11.4%	11.0%	12.8%	15.6%	18.3%
1926	D	19.2%	19.4%	19.4%	19.1%	16.4%	15.9%	19.0%	26.6%	29.4%	35.0%	44.4%	56.8%
1927	AN	63.2%	62.2%	57.4%	57.0%	48.0%	43.3%	49.1%	36.0%	30.7%	33.2%	35.3%	35.6%
1928	BN	35.6%	36.0%	34.3%	33.0%	31.7%	31.9%	42.0%	43.3%	45.3%	49.8%	53.0%	55.3%
1929	C	57.1%	58.4%	59.3%	60.7%	60.0%	60.5%	77.8%	88.0%	100.5%	110.8%	113.7%	145.3%
1930	C	142.6%	148.4%	151.0%	154.7%	157.5%	180.0%	175.3%	164.5%	140.2%	126.3%	111.0%	113.1%
1931	C	122.4%	126.6%	127.8%	128.5%	125.9%	130.1%	118.5%	108.2%	151.8%	150.6%	106.0%	77.1%
1932	AN	65.0%	64.8%	40.2%	32.8%	19.4%	17.7%	18.0%	18.0%	14.9%	16.6%	19.6%	22.3%
1933	D	23.4%	24.0%	24.3%	23.8%	23.5%	23.4%	29.9%	30.2%	26.9%	34.9%	46.8%	58.5%
1934	C	64.8%	66.8%	63.4%	57.3%	49.7%	43.3%	41.7%	53.1%	62.8%	88.2%	125.1%	101.2%
1935	AN	89.0%	80.0%	71.4%	47.9%	39.1%	33.5%	20.6%	19.1%	16.0%	18.0%	21.0%	23.5%
1936	AN	24.4%	24.4%	24.3%	23.1%	0.0%	0.0%	0.0%	2.6%	2.6%	2.8%	3.1%	3.4%
1937	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	8.1%	9.5%	12.2%	15.5%	19.0%
1940	AN	19.4%	19.2%	19.0%	13.5%	10.2%	8.4%	8.5%	8.9%	8.8%	10.1%	11.6%	12.8%
1941	W	13.3%	13.4%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.9%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%	7.2%	7.1%	8.0%	9.3%	10.4%
1945	AN	10.8%	10.3%	9.9%	9.6%	0.0%	0.0%	0.0%	2.7%	2.5%	2.7%	3.0%	3.3%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	5.4%	5.5%	6.2%	7.1%	7.9%
1947	D	8.1%	7.8%	3.5%	0.4%	0.0%	0.0%	2.1%	3.4%	3.8%	4.7%	5.6%	6.5%
1948	BN	6.8%	6.8%	6.7%	6.7%	6.7%	6.8%	10.0%	10.7%	8.9%	10.7%	13.3%	16.1%
1949	BN	17.4%	17.8%	17.8%	17.8%	17.1%	15.4%	21.5%	19.3%	20.0%	27.3%	38.8%	55.1%
1950	BN	50.1%	51.8%	53.2%	44.9%	34.3%	33.2%	32.2%	25.3%	25.4%	35.9%	55.0%	72.7%
1951	AN	52.9%	16.8%	8.5%	0.0%	0.0%	0.0%	3.6%	7.2%	7.5%	8.8%	10.5%	11.9%
1952	W	12.7%	12.6%	11.3%	8.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	6.9%	6.6%	7.5%	8.8%	10.1%
1954	BN	10.7%	10.8%	10.8%	10.7%	9.8%	8.8%	12.4%	12.4%	13.5%	16.8%	20.8%	25.0%
1955	D	26.9%	27.8%	27.3%	25.5%	24.3%	24.7%	34.2%	30.4%	29.5%	44.0%	74.1%	57.4%
1956	W	46.0%	43.6%	10.5%	0.0%	0.0%	0.0%	3.3%	4.5%	0.0%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	6.0%	5.6%	6.5%	7.5%	8.4%
1958	W	8.9%	8.9%	8.6%	8.2%	7.2%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%	8.6%	9.9%	12.9%	16.6%	19.4%
1960	C	20.7%	21.1%	21.4%	21.4%	18.1%	16.4%	21.1%	20.8%	21.5%	25.8%	30.2%	34.0%
1961	C	36.1%	36.2%	35.5%	35.8%	34.8%	34.7%	31.0%	29.0%	32.8%	44.3%	59.5%	69.6%
1962	BN	57.5%	56.0%	54.4%	53.3%	23.4%	20.9%	22.8%	25.0%	21.4%	25.5%	32.9%	40.7%
1963	AN	43.4%	44.0%	44.0%	39.2%	24.6%	23.5%	26.4%	23.7%	20.9%	23.1%	27.4%	31.2%
1964	D	32.6%	31.0%	30.5%	29.6%	28.8%	29.6%	37.6%	37.8%	42.0%	59.5%	88.3%	123.0%
1965	W	142.6%	130.1%	48.1%	32.1%	20.0%	19.0%	16.7%	17.6%	14.7%	15.5%	17.0%	18.5%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.0%	7.2%	8.0%	9.7%	11.7%	13.2%
1967	W	14.1%	14.0%	11.1%	10.0%	9.3%	4.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%	8.9%	10.4%	13.7%	18.0%	22.7%
1969	W	25.5%	24.0%	21.2%	9.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	5.9%	5.9%	6.9%	8.0%	9.1%
1971	BN	9.5%	9.4%	8.7%	8.1%	7.8%	7.6%	12.3%	14.9%	13.7%	15.9%	19.0%	22.0%
1972	D	23.3%	23.5%	22.0%	21.2%	20.0%	18.3%	20.4%	21.9%	23.4%	31.6%	43.9%	55.7%
1973	AN	60.1%	59.8%	52.8%	41.0%	28.1%	23.4%	21.4%	18.0%	16.4%	18.9%	21.9%	24.6%
1974	W	25.6%	23.3%	13.5%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	4.2%	5.0%	6.2%	7.7%	9.0%
1977	C	9.7%	10.0%	10.2%	10.3%	10.5%	10.7%	19.2%	23.1%	22.5%	25.2%	27.4%	29.0%
1978	W	30.2%	31.6%	27.4%	17.1%	11.3%	8.2%	6.4%	0.5%	0.0%	0.0%	0.0%	0.0%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	2.5%	2.8%	3.2%	3.5%
1980	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	7.9%	8.7%	10.7%	13.1%	15.1%
1982	W	16.0%	14.4%	12.5%	9.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	6.5%	6.7%	7.7%	8.9%	10.0%
1985	D	10.3%	10.0%	9.8%	9.8%	9.4%	9.2%	12.7%	13.4%	15.1%	18.9%	23.6%	28.5%
1986	W	29.9%	29.2%	26.8%	24.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	4.0%	4.6%	5.6%	6.8%	7.8%
1988	C	8.3%	8.2%	8.2%	7.7%	7.4%	7.0%	9.0%	12.6%	13.8%	17.3%	21.1%	24.5%
1989	C	26.5%	27.8%	27.3%	27.4%	25.7%	18.9%	13.4%	11.5%	12.0%	14.6%	17.3%	19.6%
1990	C	19.9%	20.0%	19.9%	19.6%	18.9%	17.1%	14.2%	13.9%	15.7%	20.3%	26.1%	32.2%
1991	C	27.4%	28.6%	29.5%	30.9%	32.0%	20.3%	17.9%	12.4%	10.3%	12.3%	14.7%	17.0%
1992	C	18.1%	18.2%	18.1%	18.1%	14.5%	13.4%	10.5%	9.7%	11.2%	13.5%	16.7%	19.8%
1993	W	13.3%	13.6%	12.8%	6.5%	5.1%	4.0%	4.5%	4.4%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	5.7%	6.4%	7.9%	9.5%	10.9%
Average		23.3%	22.6%	19.7%	17.5%	14.2%	13.6%	15.2%	15.7%	16.0%	18.6%	21.6%	24.0%
Maximum		142.6%	148.4%	151.0%	154.7%	157.5%	180.0%	175.3%	164.5%	151.8%	150.6%	125.1%	145.3%
Minimum		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average by Year Type													
W		18.9%	17.9%	10.4%	6.3%	2.6%	2.0%	1.6%	1.6%	0.7%	0.8%	0.8%	0.9%
AN		30.6%	27.2%	23.4%	18.9%	12.1%	10.7%	11.5%	11.5%	10.3%	11.6%	13.2%	14.6%
BN		16.5%	16.5%	16.2%	15.2%	11.4%	10.9%	15.1%	15.8%	15.5%	18.9%	23.8%	29.0%
D		13.1%	13.0%	12.4%	11.8%	11.1%	11.0%	16.0%	17.9%	19.0%	25.3%	35.5%	42.1%
C		34.7%	35.7%	35.8%	35.8%	34.7%	34.6%	35.0%	35.3%	38.5%	42.2%	43.8%	45.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]McClure

Table C-20. North of Delta CVP Reservoirs End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	3,370	3,307	3,458	3,605	4,024	4,516	5,084	5,397	5,120	4,504	4,023	3,638
1923	AN	3,517	3,512	3,750	3,958	4,086	4,218	4,712	4,604	4,333	3,753	3,359	3,059
1924	C	2,932	2,799	2,709	2,726	2,972	2,875	2,608	2,223	1,761	1,298	1,051	920
1925	BN	948	1,136	1,298	1,455	3,007	3,115	4,101	4,513	4,158	3,496	3,083	2,936
1926	D	2,780	2,735	2,718	2,726	3,637	3,890	4,420	4,215	3,703	3,067	2,662	2,552
1927	AN	2,485	3,097	3,650	4,198	4,263	5,004	5,625	5,800	5,512	4,751	4,298	3,901
1928	BN	3,758	4,049	4,177	4,452	4,913	4,853	5,485	5,438	5,013	4,035	3,576	3,337
1929	C	3,163	3,100	3,098	3,157	3,411	3,688	3,782	3,664	3,426	2,914	2,463	2,359
1930	C	2,219	2,150	2,877	3,183	3,612	4,229	4,484	4,391	4,000	3,359	2,984	2,903
1931	C	2,745	2,673	2,594	2,650	2,747	2,989	2,747	2,410	2,053	1,501	1,191	1,031
1932	AN	936	885	1,177	1,427	1,833	2,333	2,537	2,950	2,781	2,238	1,779	1,587
1933	D	1,396	1,278	1,178	1,165	1,185	1,852	1,974	2,083	1,938	1,493	1,223	1,218
1934	C	1,140	1,128	1,352	1,771	2,194	2,548	2,470	2,292	1,829	1,247	957	888
1935	AN	838	989	1,060	1,484	1,932	2,463	3,834	4,251	3,982	3,371	2,900	2,673
1936	AN	2,539	2,475	2,438	3,167	4,049	4,506	4,835	4,839	4,589	3,890	3,386	3,018
1937	W	2,841	2,706	2,641	2,599	2,747	3,509	4,239	4,476	4,278	3,631	3,122	2,878
1938	W	2,737	3,261	4,124	4,482	4,374	4,340	5,131	5,793	5,708	5,256	4,773	4,318
1939	D	4,136	3,973	4,013	4,084	4,195	4,695	4,555	4,342	3,859	3,131	2,590	2,494
1940	AN	2,434	2,359	2,544	3,708	4,050	4,303	5,176	5,253	4,858	4,170	3,778	3,587
1941	W	3,325	3,267	4,095	4,131	4,236	4,862	5,529	5,800	5,738	5,350	4,773	4,318
1942	W	4,133	3,924	4,130	4,200	4,318	4,735	5,516	5,800	5,707	5,132	4,723	4,318
1943	W	4,128	4,066	4,170	4,345	4,624	4,986	5,593	5,716	5,483	4,795	4,367	4,021
1944	BN	3,864	3,828	3,798	3,858	4,231	4,653	4,669	4,660	4,359	3,733	3,357	3,155
1945	AN	3,089	3,396	3,783	3,983	4,749	5,164	5,411	5,618	5,329	4,621	4,200	3,840
1946	AN	3,767	4,066	4,079	4,432	4,353	4,862	5,260	5,357	4,893	4,285	3,875	3,622
1947	D	3,374	3,394	3,464	3,437	3,790	4,491	4,648	4,314	4,089	3,399	3,058	2,876
1948	BN	2,934	2,997	3,028	3,690	3,428	3,805	4,981	5,468	5,476	4,980	4,549	4,288
1949	BN	3,984	3,911	3,904	3,885	4,099	4,996	5,447	5,603	5,090	4,204	3,741	3,577
1950	BN	3,359	3,294	3,221	3,672	4,085	4,645	5,074	5,137	4,793	4,197	3,742	3,455
1951	AN	3,722	3,873	3,866	4,183	4,374	5,073	5,395	5,569	5,138	4,278	3,834	3,530
1952	W	3,399	3,624	4,120	4,418	4,552	4,946	5,363	5,800	5,651	5,275	4,701	4,318
1953	BN	4,147	4,014	4,156	4,179	4,503	5,085	5,553	5,787	5,748	5,135	4,759	4,318
1954	BN	4,121	4,066	3,952	4,341	4,475	5,028	5,619	5,454	5,145	4,399	4,052	3,867
1955	D	3,647	3,773	4,143	4,313	4,338	4,501	4,611	4,766	4,339	3,699	3,233	3,208
1956	W	3,164	3,189	4,022	3,884	3,918	4,789	5,447	5,800	5,626	5,160	4,773	4,318
1957	BN	4,148	3,938	3,861	3,919	4,485	5,046	5,065	5,588	5,334	4,606	4,166	3,964
1958	W	4,072	4,066	4,152	4,345	4,056	4,337	5,246	5,800	5,748	5,253	4,773	4,318
1959	D	4,125	3,967	3,913	4,430	4,591	4,791	4,876	4,617	3,988	3,209	2,828	2,828
1960	C	2,560	2,522	2,522	2,786	3,756	4,561	4,776	4,795	4,413	3,665	3,170	3,118
1961	C	2,979	3,093	3,557	3,760	4,538	4,997	5,089	4,939	4,613	3,696	3,026	2,961
1962	BN	2,786	2,880	3,201	3,278	4,489	5,042	5,513	5,500	5,144	4,386	3,941	3,666
1963	AN	4,220	4,005	4,163	4,307	4,658	4,714	5,210	5,640	5,478	4,798	4,438	4,221
1964	D	4,087	4,066	4,032	4,496	4,614	4,743	4,439	4,345	4,163	3,575	3,167	2,955
1965	W	2,919	3,150	3,855	3,967	4,405	4,596	5,573	5,656	5,373	4,523	4,170	3,905
1966	BN	3,814	4,066	4,173	4,539	4,851	5,042	5,534	5,372	4,717	3,951	3,538	3,289
1967	W	3,106	3,467	4,149	4,361	4,719	4,925	5,552	5,800	5,748	5,373	4,739	4,318
1968	D	4,143	3,982	4,014	4,276	4,447	5,123	5,133	4,987	4,529	3,782	3,473	3,306
1969	W	3,209	3,287	3,716	4,147	4,254	4,925	5,507	5,800	5,643	4,942	4,539	4,318
1970	AN	4,146	4,066	4,131	3,878	4,050	4,927	4,894	4,868	4,544	3,595	3,313	3,084
1971	BN	3,036	3,692	4,133	4,329	4,470	4,786	5,438	5,800	5,748	5,122	4,765	4,318
1972	D	4,130	3,915	4,055	4,463	4,793	5,159	5,509	5,499	4,805	3,969	3,500	3,445
1973	AN	3,466	3,779	4,158	4,358	4,438	5,081	5,448	5,621	5,120	4,352	4,013	3,789
1974	W	3,787	4,066	4,081	3,986	4,413	4,272	5,362	5,711	5,580	5,279	4,773	4,318
1975	W	4,132	3,940	4,023	4,159	4,750	4,680	5,327	5,800	5,676	5,284	4,773	4,318
1976	C	4,179	4,036	4,029	4,028	4,184	4,437	4,549	4,366	3,903	3,396	3,258	3,209
1977	C	3,140	3,149	3,091	3,102	3,085	3,096	2,870	2,194	1,475	891	822	822
1978	W	822	866	1,494	3,728	4,363	4,873	5,625	5,800	5,478	4,714	4,322	4,138
1979	AN	3,911	3,880	3,818	4,031	4,377	4,991	5,215	5,464	4,777	4,073	3,736	3,470
1980	W	3,453	3,638	3,856	4,200	3,921	4,845	5,288	5,389	5,075	4,394	4,007	3,772
1981	D	3,661	3,522	3,550	3,854	4,295	5,031	5,250	4,985	4,340	3,590	3,197	3,025
1982	W	3,066	4,040	3,885	4,247	4,107	4,784	5,167	5,519	5,340	4,984	4,530	4,295
1983	W	4,220	4,064	4,140	4,174	4,042	4,289	5,147	5,800	5,748	5,373	4,773	4,318
1984	AN	4,220	3,868	3,853	4,227	4,604	5,085	5,314	5,495	5,149	4,323	4,014	3,775
1985	D	3,724	4,066	4,174	4,209	4,429	4,729	4,968	4,717	4,181	3,538	3,125	3,094
1986	W	2,954	3,021	3,289	3,900	3,848	4,354	4,863	4,974	4,610	4,057	3,747	3,617
1987	C	3,519	3,359	3,263	3,334	3,715	4,572	4,442	4,084	3,514	2,975	2,706	2,730
1988	C	2,599	2,606	3,139	3,684	3,790	3,891	3,924	3,801	3,306	2,589	2,098	1,883
1989	C	1,720	2,029	2,203	2,379	2,553	4,243	4,819	4,700	4,262	3,490	3,015	2,987
1990	C	2,981	2,980	2,964	3,234	3,225	3,573	3,447	3,535	3,305	2,777	2,431	2,414
1991	C	2,279	2,220	2,180	2,155	2,131	2,801	3,094	3,096	2,789	2,413	2,109	1,920
1992	C	1,796	1,673	1,640	1,666	2,505	3,066	3,309	2,936	2,444	1,801	1,304	1,190
1993	W	1,064	989	1,322	2,370	3,105	4,661	5,450	5,789	5,748	5,046	4,652	4,241
1994	C	4,023	3,909	3,905	3,955	4,193	4,320	4,260	4,081	3,544	2,707	2,042	1,772
Average		3,168	3,208	3,376	3,633	3,925	4,383	4,773	4,855	4,532	3,894	3,478	3,252
Maximum		4,220	4,066	4,177	4,539	4,913	5,164	5,625	5,800	5,748	5,373	4,773	4,318
Minimum		822	866	1,060	1,165	1,185	1,852	1,974	2,083	1,475	891	822	822
Average by Year Type													
W		3,195	3,297	3,636	3,962	4,138	4,611	5,300	5,621	5,454	4,916	4,453	4,100
AN		3,092	3,161	3,319	3,667	3,987	4,480	4,919	5,095	4,749	4,036	3,637	3,368
BN		3,408	3,489	3,575	3,800	4,253	4,674	5,207	5,360	5,060	4,354	3,939	3,681
D		3,564	3,515	3,569	3,768	4,028	4,455	4,580	4,443	3,994	3,314	2,914	2,818
C		2,748	2,714	2,820	2,973	3,288	3,743	3,792	3,594	3,165	2,545	2,164	2,069

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NOD_CVP

Table C-21. North of Delta CVP Reservoirs End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
1924	C	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.3	0.5	2.1
1925	BN	2.1	2.1	2.1	2.1	0.0	0.5	0.5	0.7	-32.4	10.6	14.1	8.1
1926	D	7.6	7.6	7.6	7.6	7.6	7.5	7.6	6.4	5.6	1.9	-1.7	-2.3
1927	AN	0.9	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	11.2	11.6	11.9
1928	BN	5.9	-0.2	0.0	0.0	0.0	0.0	0.0	7.7	8.3	6.0	-21.1	-24.6
1929	C	-23.9	-31.5	-39.4	-45.7	-45.6	-45.5	-44.0	-41.7	-39.2	-43.8	-54.4	-53.1
1930	C	-49.8	-56.0	-53.1	-53.0	-55.2	-55.1	-55.0	-54.9	-57.1	-53.7	-51.0	-58.5
1931	C	-58.5	-58.4	-57.6	-51.4	-51.4	-45.8	-44.6	-44.6	-44.5	-41.4	-31.4	-26.3
1932	AN	-8.8	-1.7	4.8	9.7	13.2	13.2	13.4	13.6	12.7	13.6	0.3	0.5
1933	D	-4.8	-25.4	-40.1	-51.2	-58.5	-57.9	-57.5	-63.0	-55.9	-54.7	-3.6	0.0
1934	C	-30.0	-27.3	-29.1	-24.1	-24.0	-23.9	-23.4	-22.1	-21.4	-80.1	-75.4	-6.1
1935	AN	0.0	4.7	9.0	12.3	14.5	14.5	0.0	0.7	1.0	-59.4	5.7	7.2
1936	AN	6.6	6.2	5.8	2.5	2.5	2.5	2.5	2.5	2.5	0.4	2.5	-1.6
1937	W	0.6	3.7	-2.4	-2.4	-5.0	-5.0	-5.0	-5.0	-4.7	-31.8	-33.2	-33.1
1938	W	-33.1	-32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	-1.3	-1.6	-1.8	-1.9	-1.9	-2.1	-1.9	-1.5	-33.7	-70.8	-66.1
1940	AN	-63.3	-61.9	-61.8	-40.3	0.0	0.0	0.0	0.0	-0.1	-6.5	-6.7	-6.6
1941	W	-6.6	-6.6	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0
1942	W	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-44.4	-93.3	-91.5
1945	AN	-50.4	-34.9	-45.8	-42.1	-3.0	-3.0	-3.0	-3.0	-4.7	-4.2	-3.7	-0.9
1946	AN	16.7	6.8	0.0	0.0	-73.0	-72.9	-62.2	-59.1	-55.0	9.2	5.2	-29.5
1947	D	16.4	15.7	13.4	10.6	10.5	10.5	11.2	12.7	14.2	50.8	103.0	81.4
1948	BN	73.9	79.7	100.1	100.0	100.6	109.8	91.7	91.5	91.2	90.9	90.6	90.4
1949	BN	26.3	54.4	59.0	59.0	58.9	0.0	0.0	0.0	1.2	1.3	-4.7	-10.6
1950	BN	-10.7	-1.6	-1.6	0.1	0.1	0.1	0.1	-14.8	-14.2	-13.5	-13.0	-11.9
1951	AN	-11.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	1.0	0.5	0.5
1952	W	0.5	-4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
1954	BN	0.3	0.0	-0.5	-0.5	0.0	0.0	0.0	-58.3	-60.8	-34.0	-28.5	-47.7
1955	D	-22.8	-1.3	21.8	12.9	14.2	14.2	14.9	14.8	14.2	-37.9	47.7	39.3
1956	W	-4.0	-35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-38.1	0.0	0.0
1957	BN	0.0	-17.5	-17.5	-17.5	0.0	0.0	0.3	0.3	6.1	24.9	23.8	23.1
1958	W	23.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	-0.1	-0.1	0.0	0.0	-1.6	-1.7	-1.7	-1.6	-2.4	-2.3	-8.3
1960	C	-23.5	-19.1	-9.1	9.5	4.4	7.5	5.9	4.9	-40.6	-48.9	-23.5	-24.4
1961	C	-24.2	-25.5	-26.9	-27.0	-21.4	-2.6	-2.1	-0.8	-0.8	25.6	29.4	31.3
1962	BN	47.3	31.5	6.3	-11.1	0.0	0.0	0.0	0.0	-0.1	37.0	38.6	37.8
1963	AN	0.0	-1.1	0.0	0.0	0.0	-8.7	0.0	0.0	0.1	2.0	1.2	1.4
1964	D	1.4	0.0	0.6	0.6	5.1	7.5	9.7	8.9	0.1	-11.2	-7.0	-7.3
1965	W	-18.1	-18.1	0.0	0.0	0.0	9.3	0.0	2.8	2.4	7.0	5.8	6.2
1966	BN	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-53.9	-55.5	-26.8	-27.0
1967	W	-6.6	-89.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1968	D	0.0	7.9	7.9	7.8	0.0	-20.9	-21.1	-21.1	-21.3	-21.2	-21.2	8.7
1969	W	9.3	20.3	20.3	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.4	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3
1971	BN	-0.2	-0.2	0.0	0.0	18.1	0.0	4.0	0.0	0.0	1.8	0.7	0.0
1972	D	0.0	0.1	0.1	0.1	0.0	0.0	-15.1	-15.4	-9.7	5.1	19.9	-45.5
1973	AN	0.7	3.7	10.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
1974	W	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.6	0.0	0.0
1975	W	0.0	-22.6	-28.7	-33.2	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0
1976	C	0.0	-26.7	-26.7	-26.6	-26.3	-26.3	-26.3	-21.0	-12.8	-14.1	-7.1	-7.1
1977	C	-6.0	-5.6	-5.6	-5.6	-5.6	-0.3	-1.2	-6.5	-17.5	-22.0	0.0	0.0
1978	W	0.0	-1.8	-1.8	-1.8	0.0	0.0	0.0	0.0	-0.4	-0.4	-0.8	-0.8
1979	AN	-1.8	-2.2	-2.5	-1.8	-1.8	-11.0	-29.0	-28.9	-22.3	-18.2	-18.1	-16.7
1980	W	-16.6	-16.6	-16.5	0.0	0.0	0.0	0.0	0.0	-0.3	-0.5	-0.7	-0.7
1981	D	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-1.7	-2.2	-2.2	-2.5	-2.4
1982	W	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.9	-1.3	-1.3	-1.3
1985	D	-1.3	0.0	0.0	11.1	11.1	11.1	11.0	10.8	10.4	10.3	10.3	16.7
1986	W	8.8	8.2	8.2	4.7	0.0	0.0	0.0	-0.2	-0.5	-1.0	-1.3	-1.3
1987	C	-1.4	-1.7	-1.7	-1.7	-1.7	-1.7	-2.0	-1.7	-1.3	-1.2	-1.2	-1.5
1988	C	-1.8	-1.7	-1.7	-1.7	2.9	2.9	2.8	2.8	2.3	2.0	1.6	1.1
1989	C	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	1.6	1.7	5.3	5.3
1990	C	3.1	1.4	-0.1	-1.3	-1.3	-1.3	-0.8	-0.9	-0.9	-0.8	-20.7	-14.4
1991	C	-16.4	-6.7	-6.7	-5.1	-7.3	-7.2	-6.9	-4.4	-90.4	-45.6	12.6	14.6
1992	C	13.6	12.8	8.5	5.4	3.2	3.2	15.5	15.5	-3.5	-5.7	2.1	-4.3
1993	W	-15.2	-3.5	-3.5	-14.4	-14.3	-14.3	3.5	3.5	0.0	-0.2	-0.2	-0.1
1994	C	-0.3	-0.1	0.2	0.4	0.4	0.2	0.4	0.6	0.7	0.8	1.7	-54.7
Average		-3.1	-4.9	-2.7	-2.8	-1.8	-2.6	-2.9	-3.7	-6.8	-5.8	-2.6	-4.1
Maximum		73.9	79.7	100.1	100.0	100.6	109.8	91.7	91.5	91.2	90.9	103.0	90.4
Minimum		-63.3	-89.7	-61.8	-53.0	-73.0	-72.9	-62.2	-63.0	-90.4	-80.1	-93.3	-91.5
Average by Year Type													
W		-2.3	-9.3	-1.2	-2.4	-1.0	-0.5	-0.1	0.1	-0.1	1.4	-1.5	-1.5
AN		-7.9	-5.6	-5.7	-4.3	-3.4	-4.7	-5.6	-5.3	-4.8	-3.7	-0.2	-2.5
BN		12.6	12.3	12.3	11.0	14.8	9.2	8.0	2.3	-4.5	2.1	-1.6	-4.5
D		-0.4	0.2	0.8	-0.3	-1.2	-2.9	-4.0	-4.6	-4.3	-8.7	6.5	1.3
C		-13.6	-15.3	-15.5	-14.2	-14.3	-12.2	-11.3	-10.9	-20.3	-20.4	-13.2	-12.3

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NOD_CVP

Table C-22. North of Delta CVP Reservoirs End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1925	BN	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.8%	0.3%	0.5%	0.3%
1926	D	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	-0.1%	-0.1%
1927	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.3%
1928	BN	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.1%	-0.6%	-0.7%
1929	C	-0.8%	-1.0%	-1.3%	-1.4%	-1.3%	-1.2%	-1.1%	-1.1%	-1.1%	-1.5%	-2.2%	-2.2%
1930	C	-2.2%	-2.5%	-1.8%	-1.6%	-1.5%	-1.3%	-1.2%	-1.2%	-1.4%	-1.6%	-1.7%	-2.0%
1931	C	-2.1%	-2.1%	-2.2%	-1.9%	-1.8%	-1.5%	-1.6%	-1.8%	-2.1%	-2.7%	-2.6%	-2.5%
1932	AN	-0.9%	-0.2%	0.4%	0.7%	0.7%	0.6%	0.5%	0.5%	0.5%	0.6%	0.0%	0.0%
1933	D	-0.3%	-2.0%	-3.3%	-4.2%	-4.7%	-3.0%	-2.8%	-2.9%	-2.8%	-3.5%	-0.3%	0.0%
1934	C	-2.6%	-2.4%	-2.1%	-1.3%	-1.1%	-0.9%	-0.9%	-1.0%	-1.2%	-6.0%	-7.3%	-0.7%
1935	AN	0.0%	0.5%	0.9%	0.8%	0.8%	0.6%	0.0%	0.0%	0.0%	-1.7%	0.2%	0.3%
1936	AN	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	-0.1%
1937	W	0.0%	0.1%	-0.1%	-0.1%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.9%	-1.1%	-1.1%
1938	W	-1.2%	-1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-2.7%	-2.6%
1940	AN	-2.5%	-2.6%	-2.4%	-1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.2%
1941	W	-0.2%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-2.7%	-2.8%
1945	AN	-1.6%	-1.0%	-1.2%	-1.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%
1946	AN	0.4%	0.2%	0.0%	0.0%	-1.7%	-1.5%	-1.2%	-1.1%	-1.1%	0.2%	0.1%	-0.8%
1947	D	0.5%	0.5%	0.4%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	1.5%	3.5%	2.9%
1948	BN	2.6%	2.7%	3.4%	2.8%	3.0%	3.0%	1.9%	1.7%	1.7%	1.9%	2.0%	2.2%
1949	BN	0.7%	1.4%	1.5%	1.5%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%
1950	BN	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%
1951	AN	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1952	W	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-1.2%	-0.8%	-0.7%	-1.2%
1955	D	-0.6%	0.0%	0.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	-1.0%	1.5%	1.2%
1956	W	-0.1%	-1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%
1957	BN	0.0%	-0.4%	-0.5%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	0.5%	0.6%	0.6%
1958	W	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%
1960	C	-0.9%	-0.8%	-0.4%	0.3%	0.1%	0.2%	0.1%	0.1%	-0.9%	-1.3%	-0.7%	-0.8%
1961	C	-0.8%	-0.8%	-0.8%	-0.7%	-0.5%	-0.1%	0.0%	0.0%	0.0%	0.7%	1.0%	1.1%
1962	BN	1.7%	1.1%	0.2%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	1.0%	1.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.2%	0.2%	0.0%	-0.3%	-0.2%	-0.2%
1965	W	-0.6%	-0.6%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.2%	0.1%	0.2%
1966	BN	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-1.4%	-0.8%	-0.8%
1967	W	-0.2%	-2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.2%	0.2%	0.2%	0.0%	-0.4%	-0.4%	-0.4%	-0.5%	-0.6%	-0.6%	0.3%
1969	W	0.3%	0.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.3%	-0.2%	0.1%	0.6%	-1.3%
1973	AN	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%
1975	W	0.0%	-0.6%	-0.7%	-0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
1976	C	0.0%	-0.7%	-0.7%	-0.7%	-0.6%	-0.6%	-0.6%	-0.5%	-0.3%	-0.4%	-0.2%	-0.2%
1977	C	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	0.0%	0.0%	-0.3%	-1.2%	-2.4%	0.0%	0.0%
1978	W	0.0%	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1979	AN	0.0%	-0.1%	-0.1%	0.0%	0.0%	-0.2%	-0.6%	-0.5%	-0.5%	-0.4%	-0.5%	-0.5%
1980	W	-0.5%	-0.5%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
1982	W	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.5%
1986	W	0.3%	0.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1988	C	-0.1%	-0.1%	-0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
1989	C	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
1990	C	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.6%
1991	C	-0.7%	-0.3%	-0.3%	-0.2%	-0.3%	-0.3%	-0.2%	-0.1%	-3.1%	-1.9%	0.6%	0.8%
1992	C	0.8%	0.8%	0.5%	0.3%	0.1%	0.1%	0.5%	0.5%	-0.1%	-0.3%	0.2%	-0.4%
1993	W	-1.4%	-0.4%	-0.3%	-0.6%	-0.5%	-0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-3.0%
Average		-0.2%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.3%	-0.2%	-0.2%
Maximum		2.6%	2.7%	3.4%	2.8%	3.0%	3.0%	1.9%	1.7%	1.7%	1.9%	3.5%	2.9%
Minimum		-2.6%	-2.6%	-3.3%	-4.2%	-4.7%	-3.0%	-2.8%	-2.9%	-3.1%	-6.0%	-7.3%	-3.0%
Average by Year Type													
W		-0.1%	-0.3%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
AN		-0.3%	-0.2%	-0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
BN		0.4%	0.4%	0.4%	0.3%	0.4%	0.2%	0.2%	0.0%	-0.1%	0.0%	-0.1%	-0.2%
D		0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.2%	-0.2%	-0.2%	-0.2%	-0.4%	0.2%	0.0%
C		-0.6%	-0.6%	-0.6%	-0.5%	-0.4%	-0.3%	-0.3%	-0.3%	-0.7%	-1.1%	-0.8%	-0.6%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NOD_CVP

Table C-23. North of Delta SWP Reservoirs End-of-Month Storage: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	2,551	2,556	2,552	2,685	2,825	2,934	3,458	3,550	3,550	3,000	2,611	2,827
1923	AN	2,868	2,913	2,934	2,988	3,101	3,175	3,471	3,550	3,340	2,867	2,381	2,353
1924	C	2,273	2,214	2,079	2,132	2,316	2,280	2,222	1,716	1,557	1,352	1,124	1,030
1925	BN	1,029	1,074	1,133	1,271	1,885	1,998	2,288	2,417	2,101	1,930	1,827	1,764
1926	D	1,732	1,760	1,760	1,899	2,399	2,692	3,315	3,209	2,856	2,367	1,946	1,829
1927	AN	1,735	2,050	2,039	2,341	2,800	3,011	3,408	3,550	3,405	3,094	2,660	2,571
1928	BN	2,520	2,677	2,669	2,844	2,997	2,809	3,235	3,206	2,857	2,519	2,118	1,983
1929	C	1,814	1,738	1,732	1,783	1,898	2,035	2,074	1,778	1,687	1,431	1,279	1,271
1930	C	1,198	1,162	1,666	1,946	2,149	2,615	2,949	3,019	2,763	2,255	1,817	1,835
1931	C	1,765	1,790	1,806	1,940	2,065	2,266	2,180	1,743	1,624	1,290	1,002	917
1932	AN	864	859	807	1,010	1,195	1,471	1,751	2,081	2,051	1,915	1,822	1,741
1933	D	1,643	1,574	1,597	1,698	1,786	1,755	1,820	1,651	1,614	1,441	1,309	1,214
1934	C	1,094	1,052	1,033	1,259	1,369	1,643	1,612	1,089	937	747	588	503
1935	AN	436	484	548	780	975	1,250	2,260	2,626	2,238	1,824	1,371	1,127
1936	AN	972	881	861	1,371	2,148	2,550	2,942	3,123	2,902	2,328	1,852	1,831
1937	W	1,721	1,655	1,624	1,665	1,836	2,187	2,569	2,907	2,748	2,271	1,791	1,957
1938	W	1,902	2,081	2,879	2,936	2,800	2,800	3,289	3,550	3,550	3,083	2,812	3,122
1939	D	3,175	3,175	3,175	3,146	3,175	3,145	3,062	2,819	2,537	2,048	1,496	1,239
1940	AN	1,045	942	967	1,472	2,463	2,800	3,250	3,371	3,047	2,456	1,943	1,918
1941	W	1,914	1,886	2,397	2,800	2,800	2,930	3,346	3,550	3,550	3,057	2,897	2,874
1942	W	2,928	3,018	2,800	2,800	2,818	3,070	3,293	3,550	3,550	3,384	3,024	2,998
1943	W	3,019	3,097	2,978	2,800	2,902	2,949	3,362	3,492	3,225	2,909	2,488	2,444
1944	BN	2,458	2,495	2,493	2,595	2,763	3,005	3,176	3,428	3,110	2,538	2,044	1,816
1945	AN	1,622	1,695	1,863	2,025	2,629	2,922	3,157	3,412	3,092	2,533	2,073	2,009
1946	AN	1,985	2,072	2,719	3,019	3,074	3,075	3,383	3,550	3,191	2,624	2,141	1,977
1947	D	1,849	1,866	1,955	2,021	2,297	2,626	2,740	2,516	2,277	1,751	1,310	1,190
1948	BN	1,143	1,122	1,097	1,403	1,456	1,652	2,309	2,771	2,924	2,420	1,966	1,882
1949	BN	1,806	1,786	1,801	1,854	1,935	2,222	2,529	2,728	2,417	2,094	1,770	1,671
1950	BN	1,621	1,629	1,590	1,872	2,333	2,777	3,269	3,550	3,247	2,701	2,290	2,224
1951	AN	2,252	2,800	2,878	2,858	2,937	3,117	3,365	3,550	3,395	2,827	2,423	2,378
1952	W	2,425	2,483	2,800	2,800	2,844	3,000	3,464	3,550	3,550	3,550	3,536	3,362
1953	BN	3,175	3,175	2,930	2,821	3,071	3,071	3,296	3,550	3,550	3,170	2,854	2,836
1954	BN	2,865	2,997	3,127	2,930	2,915	2,955	3,304	3,163	2,956	2,451	2,056	1,912
1955	D	1,844	1,867	1,960	2,088	2,176	2,303	2,409	2,588	2,311	2,012	1,737	1,666
1956	W	1,590	1,570	2,800	2,800	2,800	3,030	3,439	3,550	3,550	3,052	2,680	2,780
1957	BN	2,847	2,931	3,027	3,128	2,859	3,002	2,986	3,270	2,983	2,560	2,205	2,198
1958	W	2,215	2,245	2,465	2,766	2,800	2,800	3,247	3,550	3,550	3,499	3,380	3,359
1959	D	3,175	3,175	3,175	2,990	2,851	3,066	3,149	3,162	2,737	2,105	1,593	1,506
1960	C	1,281	1,179	950	1,075	1,674	2,239	2,437	2,537	2,205	1,890	1,752	1,663
1961	C	1,612	1,648	1,731	1,844	2,143	2,408	2,468	2,444	2,138	1,869	1,424	1,200
1962	BN	987	924	1,011	1,134	1,705	2,053	2,555	2,764	2,476	1,936	1,418	1,342
1963	AN	2,013	2,140	2,506	2,786	3,069	2,939	3,192	3,550	3,317	2,945	2,537	2,528
1964	D	2,533	2,709	2,756	2,908	3,041	3,167	2,976	2,985	2,754	2,172	1,660	1,383
1965	W	1,214	1,228	2,800	2,800	3,009	3,108	3,366	3,428	3,454	3,094	2,799	2,816
1966	BN	2,866	2,955	2,958	3,027	3,112	3,175	3,471	3,461	3,104	2,620	2,123	1,914
1967	W	1,674	1,779	2,148	2,784	2,963	2,859	3,248	3,550	3,550	3,550	3,517	3,362
1968	D	3,174	3,174	3,153	2,934	2,974	3,048	3,031	3,109	2,849	2,368	2,039	1,813
1969	W	1,766	1,810	2,033	2,800	2,800	3,039	3,482	3,550	3,550	3,441	3,094	3,146
1970	AN	3,174	3,174	2,818	2,799	2,799	3,175	3,119	3,164	2,845	2,429	1,942	1,824
1971	BN	1,773	1,990	2,406	2,780	3,050	3,174	3,445	3,550	3,550	3,019	2,689	2,732
1972	D	2,798	2,891	3,014	3,100	3,070	3,175	3,332	3,375	3,008	2,629	2,250	2,185
1973	AN	2,138	2,299	2,577	2,800	2,800	2,963	3,298	3,550	3,111	2,607	2,215	2,218
1974	W	2,246	2,800	2,812	2,882	3,021	2,800	3,304	3,550	3,389	3,179	3,148	3,118
1975	W	3,141	3,175	3,175	3,175	2,896	2,845	3,281	3,550	3,550	3,055	2,996	2,964
1976	C	3,007	3,165	3,175	3,175	3,174	3,175	3,088	2,631	2,292	1,986	1,569	1,428
1977	C	1,308	1,222	1,133	1,115	1,082	1,063	925	858	578	299	40	40
1978	W	40	40	244	1,150	1,665	2,558	3,071	3,373	3,312	3,021	2,637	2,784
1979	AN	2,791	2,849	2,907	3,113	2,855	3,013	3,235	3,518	3,043	2,661	2,283	2,204
1980	W	2,258	2,315	2,438	2,825	2,800	3,040	3,294	3,477	3,249	3,137	2,749	2,680
1981	D	2,656	2,681	2,810	2,944	3,087	3,036	3,198	3,137	2,801	2,279	1,836	1,669
1982	W	1,648	2,578	2,800	2,955	2,999	2,948	3,315	3,550	3,550	3,143	3,020	3,170
1983	W	3,161	2,993	2,942	2,866	2,800	2,800	3,220	3,550	3,550	3,550	3,550	3,363
1984	AN	3,175	2,962	2,800	3,103	3,090	3,132	3,286	3,430	3,108	2,677	2,404	2,347
1985	D	2,374	2,581	2,743	2,824	3,015	3,129	3,360	3,240	2,845	2,264	1,755	1,547
1986	W	1,378	1,306	1,374	1,699	2,897	2,800	3,146	3,225	3,007	2,431	2,023	2,301
1987	C	2,332	2,422	2,440	2,455	2,616	2,939	2,891	2,513	2,269	1,710	1,229	997
1988	C	856	885	1,220	1,469	1,542	1,643	1,674	1,394	1,143	935	783	778
1989	C	772	934	1,029	1,095	1,235	2,429	2,812	2,593	2,449	1,850	1,400	1,475
1990	C	1,526	1,542	1,460	1,594	1,672	1,931	1,883	1,619	1,539	1,251	1,124	1,036
1991	C	993	967	966	963	925	1,313	1,510	1,327	1,265	1,122	1,021	1,028
1992	C	1,025	997	1,020	1,058	1,319	1,563	1,699	1,212	1,038	820	636	443
1993	W	444	452	615	1,195	1,705	2,889	3,468	3,550	3,550	3,001	2,643	2,711
1994	C	2,781	2,868	3,019	3,059	2,997	3,175	3,123	2,678	2,380	1,747	1,167	869
Average		1,972	2,030	2,147	2,299	2,466	2,654	2,912	2,965	2,772	2,385	2,051	1,989
Maximum		3,175	3,175	3,175	3,175	3,175	3,175	3,482	3,550	3,550	3,550	3,550	3,363
Minimum		40	40	244	780	925	1,063	925	858	578	299	40	40
Average by Year Type													
W		1,962	2,053	2,334	2,559	2,699	2,869	3,283	3,480	3,427	3,120	2,870	2,907
AN		1,934	2,009	2,087	2,319	2,567	2,757	3,080	3,287	3,006	2,556	2,146	2,073
BN		2,091	2,146	2,187	2,305	2,507	2,658	2,989	3,155	2,940	2,496	2,113	2,023
D		2,450	2,496	2,554	2,596	2,715	2,831	2,945	2,890	2,599	2,130	1,721	1,567
C		1,602	1,612	1,654	1,748	1,886	2,170	2,222	1,947	1,742	1,410	1,122	1,032

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NOD_SWP

Table C-24. North of Delta SWP Reservoirs End-of-Month Storage: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1
1924	C	-0.1	33.0	30.3	30.3	30.3	30.3	30.3	30.3	30.2	29.3	28.3	27.3
1925	BN	27.3	27.3	27.3	27.4	27.4	27.8	27.7	27.7	60.3	60.6	58.5	58.4
1926	D	58.3	58.3	58.4	58.4	58.5	58.4	58.3	57.5	5.3	13.2	37.6	37.6
1927	AN	23.5	23.4	23.4	23.5	0.0	0.0	0.0	0.0	0.0	10.5	10.6	10.6
1928	BN	10.6	10.6	10.6	10.6	10.6	0.0	0.0	6.3	6.5	7.2	8.1	9.0
1929	C	9.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.7	-8.4	-6.2	-5.6	4.8
1930	C	2.1	8.4	8.4	8.4	8.4	8.4	8.4	19.9	20.3	21.6	28.9	24.3
1931	C	24.2	24.2	13.2	13.2	13.2	13.2	13.5	13.5	13.4	15.0	22.2	18.4
1932	AN	9.2	22.5	22.6	22.6	22.7	22.6	22.6	22.6	22.7	31.1	31.5	32.0
1933	D	37.2	57.9	57.9	58.0	58.1	58.0	58.0	59.9	60.0	60.0	60.1	33.7
1934	C	33.3	33.5	33.5	33.6	33.6	33.6	33.7	33.3	33.4	33.4	34.1	32.3
1935	AN	25.9	25.8	25.9	25.9	26.0	26.0	25.9	27.0	27.6	19.0	7.3	17.8
1936	AN	11.6	11.4	14.7	14.7	14.7	14.7	14.7	14.7	16.3	16.5	16.6	32.7
1937	W	32.6	38.7	38.7	38.8	38.8	38.8	38.7	38.5	14.2	14.2	16.0	11.8
1938	W	11.6	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.5	-0.8	-1.1	-4.5	-5.4
1940	AN	-0.7	-0.7	-0.7	-0.7	-0.7	0.0	0.0	0.2	-0.8	-0.7	-0.8	1.8
1941	W	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	1.8
1942	W	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
1943	W	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
1944	BN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.5	-1.4
1945	AN	-1.4	-1.4	-1.4	-1.4	-1.5	-1.5	-1.5	-1.4	-5.2	-3.7	-29.4	-1.0
1946	AN	-0.9	-0.9	-0.9	0.0	5.5	0.0	0.0	0.0	1.3	2.1	2.6	36.9
1947	D	34.7	34.7	34.7	34.8	34.8	34.8	35.2	35.0	35.6	-26.7	-4.4	20.4
1948	BN	-7.3	-31.8	-27.6	-27.6	-27.1	-27.2	-27.1	-27.1	-26.9	-26.8	-32.6	-24.4
1949	BN	-24.2	-27.8	-27.8	-27.9	-27.9	-27.9	-27.9	-27.9	-27.4	-22.4	-17.3	-16.4
1950	BN	-16.4	-16.5	-28.1	-28.1	-28.1	-28.1	-28.1	0.0	-5.8	-5.6	-28.4	-28.2
1951	AN	-28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	2.3	2.7	2.7
1952	W	2.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-1.1
1954	BN	-1.1	-1.1	-1.1	0.0	0.0	0.0	0.0	-59.1	-58.5	-47.0	-13.9	6.8
1955	D	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.5	39.5	-45.5	-36.0
1956	W	-36.0	-36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-51.5	-104.4	-104.8
1957	BN	-104.6	-104.7	-104.8	0.0	0.0	0.0	0.2	0.3	-10.4	-59.4	-79.2	-76.2
1958	W	-76.1	-76.1	-76.2	-76.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	-1.1	-0.6	-1.2	-1.3	0.1
1960	C	0.4	0.4	0.6	0.6	0.6	0.6	-0.7	-0.7	-1.0	-0.7	-1.1	-2.2
1961	C	-2.4	-2.4	-2.4	-2.5	-2.4	-2.4	-2.1	-3.2	-3.2	-2.5	-1.9	-1.0
1962	BN	7.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	-99.6	-42.1	-67.7	-24.1
1963	AN	-24.1	-24.0	-24.1	-24.1	0.0	0.0	0.0	0.0	0.1	0.5	1.6	0.3
1964	D	0.3	0.3	0.3	0.3	0.3	0.3	1.2	1.7	10.3	10.2	10.2	2.0
1965	W	4.7	4.7	0.0	0.0	0.0	0.0	0.0	1.6	12.3	15.9	15.7	11.4
1966	BN	11.5	0.0	0.0	0.0	0.0	0.0	0.0	21.0	57.2	51.1	12.7	11.7
1967	W	11.6	21.2	21.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.4	-0.6	-1.2	-1.3
1969	W	-1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.4
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.4	-0.1	-0.1	-0.3
1971	BN	-0.2	-0.2	-0.2	-0.2	7.7	0.0	0.0	0.0	0.0	0.5	1.6	2.3
1972	D	2.3	2.3	2.3	0.0	0.0	0.0	0.0	12.4	16.1	11.1	6.1	0.7
1973	AN	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.8
1974	W	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-225.9	-139.2	-134.7
1975	W	-33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-22.5	-15.1	-37.1
1976	C	-37.1	-10.2	0.0	0.0	0.0	0.0	0.0	-5.6	-5.6	-12.3	-12.8	-8.7
1977	C	-9.8	-9.9	-10.6	-10.6	-10.6	-10.7	-10.6	-5.5	5.4	5.3	0.0	0.0
1978	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	-8.9	-15.4	4.3
1979	AN	4.6	4.6	4.7	4.7	0.0	0.0	0.0	0.0	1.1	1.4	1.3	2.2
1980	W	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.6
1981	D	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	-0.2	-0.6	-1.2	-1.2
1982	W	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.4	-0.4
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.6	-0.6	-0.3	-1.8
1985	D	-1.7	-1.7	-1.7	-1.7	-1.7	0.0	3.2	8.7	8.5	8.4	8.4	20.0
1986	W	20.0	20.0	20.1	20.1	19.5	0.0	0.0	0.0	0.0	0.2	-0.8	8.2
1987	C	8.2	8.2	8.2	8.3	8.3	8.3	8.2	7.6	7.7	-0.1	-1.4	-0.8
1988	C	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.9	-6.2	-6.0	-6.0	-5.9
1989	C	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.6	-5.3	-5.3	-0.1	0.6
1990	C	0.8	0.8	0.5	0.5	0.5	0.5	0.7	0.8	0.8	0.8	4.9	1.5
1991	C	3.7	1.8	2.5	2.5	-4.6	-4.6	-4.6	-4.0	-4.7	-2.6	-4.9	-0.1
1992	C	1.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.5	1.2	1.8
1993	W	12.2	28.9	28.9	29.0	29.0	29.0	0.0	0.0	0.0	0.0	0.0	10.4
1994	C	10.4	10.5	10.5	10.5	0.0	0.0	-0.5	-1.0	-0.9	-0.9	0.2	-2.5
Average		0.6	2.4	2.5	3.9	4.5	4.0	3.6	4.0	2.7	-1.4	-2.8	-0.2
Maximum		58.3	58.3	58.4	58.4	58.5	58.4	58.3	59.9	60.3	60.6	60.1	58.4
Minimum		-104.6	-104.7	-104.8	-76.3	-28.1	-28.1	-28.1	-59.1	-99.6	-225.9	-139.2	-134.7
Average by Year Type													
W		-2.2	1.0	1.8	1.6	4.4	3.4	1.9	2.0	1.5	-13.9	-12.0	-11.5
AN		1.4	4.4	4.6	4.7	4.8	4.4	4.4	4.5	4.4	5.6	3.1	9.7
BN		-8.1	-12.0	-12.6	-3.8	-3.1	-4.6	-4.6	-4.9	-8.7	-7.0	-13.2	-7.0
D		11.9	13.8	13.8	13.7	13.6	13.8	14.1	15.7	12.1	10.2	5.9	6.4
C		2.3	5.4	5.1	5.1	4.1	4.0	4.0	4.5	4.9	4.4	5.4	5.6

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NOD_SWP

Table C-25. North of Delta SWP Reservoirs End-of-Month Storage: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	1.5%	1.5%	1.4%	1.3%	1.3%	1.4%	1.8%	2.0%	2.2%	2.6%	2.7%
1925	BN	2.7%	2.6%	2.5%	2.2%	1.5%	1.4%	1.2%	1.2%	3.0%	3.2%	3.3%	3.4%
1926	D	3.5%	3.4%	3.4%	3.2%	2.5%	2.2%	1.8%	1.8%	0.2%	0.6%	2.0%	2.1%
1927	AN	1.4%	1.2%	1.2%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.4%	0.4%
1928	BN	0.4%	0.4%	0.4%	0.4%	0.4%	0.0%	0.0%	0.2%	0.2%	0.3%	0.4%	0.5%
1929	C	0.5%	-0.5%	-0.5%	-0.4%	-0.4%	-0.4%	-0.4%	-0.5%	-0.5%	-0.4%	-0.4%	0.4%
1930	C	0.2%	0.7%	0.5%	0.4%	0.4%	0.3%	0.3%	0.7%	0.7%	1.0%	1.6%	1.3%
1931	C	1.4%	1.4%	0.7%	0.7%	0.6%	0.6%	0.6%	0.8%	0.8%	1.2%	2.3%	2.1%
1932	AN	1.1%	2.7%	2.9%	2.3%	1.9%	1.6%	1.3%	1.1%	1.1%	1.6%	1.8%	1.9%
1933	D	2.3%	3.8%	3.8%	3.5%	3.4%	3.4%	3.3%	3.8%	3.9%	4.3%	4.8%	2.9%
1934	C	3.1%	3.3%	3.4%	2.7%	2.5%	2.1%	2.1%	3.2%	3.7%	4.7%	6.2%	6.9%
1935	AN	6.3%	5.6%	5.0%	3.4%	2.7%	2.1%	1.2%	1.0%	1.2%	1.1%	0.5%	1.6%
1936	AN	1.2%	1.3%	1.7%	1.1%	0.7%	0.6%	0.5%	0.5%	0.6%	0.7%	0.9%	1.8%
1937	W	1.9%	2.4%	2.4%	2.4%	2.2%	1.8%	1.5%	1.3%	0.5%	0.6%	0.9%	0.6%
1938	W	0.6%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.4%
1940	AN	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1941	W	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
1942	W	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1945	AN	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	-0.2%	-0.1%	-1.4%	0.0%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	1.9%
1947	D	1.9%	1.9%	1.8%	1.8%	1.5%	1.3%	1.3%	1.4%	1.6%	-1.5%	-0.3%	1.7%
1948	BN	-0.6%	-2.8%	-2.5%	-1.9%	-1.8%	-1.6%	-1.2%	-1.0%	-0.9%	-1.1%	-1.6%	-1.3%
1949	BN	-1.3%	-1.5%	-1.5%	-1.5%	-1.4%	-1.2%	-1.1%	-1.0%	-1.1%	-1.1%	-1.0%	-1.0%
1950	BN	-1.0%	-1.0%	-1.7%	-1.5%	-1.2%	-1.0%	-0.9%	0.0%	-0.2%	-0.2%	-1.2%	-1.3%
1951	AN	-1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
1952	W	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%	-1.9%	-1.9%	-0.7%	0.4%
1955	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	-2.5%	-2.1%
1956	W	-2.2%	-2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	-3.7%	-3.6%
1957	BN	-3.5%	-3.4%	-3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-2.3%	-3.5%	-3.3%
1958	W	-3.3%	-3.3%	-3.0%	-2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%
1960	C	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
1961	C	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.1%	-0.1%	-0.1%
1962	BN	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.9%	-2.1%	-4.6%	-1.8%
1963	AN	-1.2%	-1.1%	-1.0%	-0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	0.5%	0.6%	0.1%
1965	W	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.5%	0.6%	0.4%
1966	BN	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.9%	2.0%	0.6%	0.6%
1967	W	0.7%	1.2%	1.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
1969	W	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
1972	D	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.5%	0.4%	0.3%	0.0%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1974	W	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.6%	-4.2%	-4.1%
1975	W	-1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.5%	-1.2%
1976	C	-1.2%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.6%	-0.8%	-0.6%
1977	C	-0.7%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.1%	-0.6%	0.9%	1.8%	0.0%	0.0%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.3%	-0.6%	0.2%
1979	AN	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
1980	W	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
1982	W	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1985	D	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.1%	0.3%	0.3%	0.4%	0.5%	1.3%
1986	W	1.5%	1.6%	1.5%	1.2%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
1987	C	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	-0.1%	-0.1%
1988	C	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%	-0.5%	-0.6%	-0.8%	-0.7%
1989	C	-0.7%	-0.6%	-0.5%	-0.5%	-0.5%	-0.2%	-0.2%	-0.2%	-0.2%	-0.3%	0.0%	0.0%
1990	C	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.4%	0.1%
1991	C	0.4%	0.2%	0.3%	0.3%	-0.5%	-0.3%	-0.3%	-0.3%	-0.4%	-0.2%	-0.5%	0.0%
1992	C	0.1%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.4%
1993	W	2.8%	6.8%	4.9%	2.5%	1.7%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
1994	C	0.4%	0.4%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%
Average		0.2%	0.4%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.0%	0.2%
Maximum		6.3%	6.8%	5.0%	3.5%	3.4%	3.4%	3.3%	3.8%	3.9%	4.7%	6.2%	6.9%
Minimum		-3.5%	-3.4%	-3.3%	-2.7%	-1.8%	-1.6%	-1.2%	-1.8%	-3.9%	-6.6%	-4.6%	-4.1%
Average by Year Type													
W		0.1%	0.4%	0.4%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	-0.4%	-0.4%	-0.4%
AN		0.5%	0.7%	0.7%	0.5%	0.4%	0.3%	0.2%	0.2%	0.2%	0.3%	0.2%	0.6%
BN		-0.2%	-0.5%	-0.5%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.3%	-0.3%	-0.7%	-0.3%
D		0.7%	0.8%	0.8%	0.8%	0.7%	0.6%	0.6%	0.7%	0.6%	0.6%	0.4%	0.5%
C		0.2%	0.4%	0.3%	0.3%	0.2%	0.2%	0.2%	0.3%	0.4%	0.5%	0.7%	0.8%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_Storage.xls]NOD_SWP

Table C-26. South of Delta CVP Total Deliveries: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	204	123	107	137	166	156	195	328	476	551	453	254	3,152
1923	AN	199	120	102	129	156	155	163	232	395	450	379	230	2,707
1924	C	183	107	85	101	123	76	75	109	157	163	159	131	1,469
1925	BN	110	60	35	26	36	126	128	186	310	345	302	203	1,867
1926	D	165	94	67	71	90	112	112	156	251	271	249	185	1,823
1927	AN	154	85	55	51	66	152	166	257	445	512	425	245	2,615
1928	BN	193	115	96	118	143	151	161	236	406	463	390	233	2,707
1929	C	185	109	88	104	128	94	92	130	196	202	198	167	1,693
1930	C	142	75	42	31	44	123	128	182	297	328	290	199	1,881
1931	C	163	92	65	67	84	80	89	128	169	178	170	135	1,419
1932	AN	113	62	37	30	41	94	95	132	212	232	210	149	1,407
1933	D	122	69	47	46	58	75	74	102	155	161	158	131	1,198
1934	C	110	59	34	25	35	91	91	132	202	219	200	146	1,346
1935	AN	120	68	45	42	54	92	106	196	314	349	306	204	1,896
1936	AN	166	94	68	72	91	139	164	203	334	375	324	210	2,241
1937	W	170	97	72	79	99	99	151	220	305	338	298	202	2,131
1938	W	164	93	66	69	87	153	193	286	409	467	392	234	2,614
1939	D	186	110	89	106	129	129	139	204	344	387	333	213	2,367
1940	AN	172	98	74	83	103	129	134	224	379	431	365	225	2,415
1941	W	179	105	82	95	117	160	195	316	456	526	435	249	2,915
1942	W	195	117	99	122	148	161	195	260	440	506	421	244	2,906
1943	W	192	115	95	116	141	155	195	301	432	496	414	242	2,895
1944	BN	191	114	94	114	138	142	139	239	345	388	334	213	2,451
1945	AN	172	99	74	83	104	144	175	242	404	461	388	233	2,579
1946	AN	185	109	88	104	127	146	148	244	416	476	386	236	2,665
1947	D	187	111	90	108	132	121	144	211	344	387	333	213	2,380
1948	BN	172	98	74	83	103	113	137	236	392	446	377	229	2,460
1949	BN	182	107	85	100	122	119	154	218	370	419	357	221	2,453
1950	BN	177	103	80	92	113	113	124	175	283	311	278	195	2,044
1951	AN	160	90	62	62	79	161	161	236	405	463	389	233	2,501
1952	W	185	109	88	104	127	143	195	310	448	516	428	246	2,899
1953	BN	194	116	97	119	144	154	158	270	412	471	396	235	2,767
1954	BN	186	110	90	107	130	149	163	260	450	518	422	247	2,832
1955	D	194	116	97	120	145	142	145	244	347	391	336	214	2,492
1956	W	172	99	74	84	104	162	161	251	421	482	404	238	2,653
1957	BN	188	112	92	110	134	160	161	313	456	526	435	249	2,937
1958	W	195	117	99	122	148	149	195	310	448	516	428	246	2,972
1959	D	193	116	97	119	144	160	158	295	430	493	370	241	2,818
1960	C	190	113	93	113	137	92	110	154	172	261	242	183	1,861
1961	C	152	84	53	48	63	134	192	280	399	455	384	231	2,475
1962	BN	184	108	87	102	125	148	155	239	418	472	321	237	2,597
1963	AN	188	111	91	109	133	156	166	269	468	540	446	252	2,928
1964	D	197	118	101	126	152	134	136	200	321	358	312	206	2,361
1965	W	167	95	69	75	94	147	176	278	475	549	452	254	2,831
1966	BN	199	119	102	128	155	150	160	296	435	456	292	243	2,737
1967	W	191	114	95	115	140	140	169	251	354	400	343	216	2,527
1968	D	174	100	76	86	107	160	158	301	439	504	362	244	2,711
1969	W	192	114	95	116	141	141	195	310	448	516	428	246	2,941
1970	AN	194	116	97	119	144	159	162	241	412	471	395	235	2,744
1971	BN	186	110	89	107	130	154	156	296	441	507	362	244	2,782
1972	D	192	115	96	117	142	148	168	245	395	450	380	230	2,677
1973	AN	183	107	86	101	123	159	195	260	439	505	420	244	2,820
1974	W	192	115	95	116	141	161	195	297	426	489	380	240	2,846
1975	W	189	113	93	112	136	167	195	261	441	508	422	244	2,880
1976	C	192	115	96	117	142	110	109	154	242	261	241	182	1,961
1977	C	152	84	53	48	63	75	74	96	155	161	112	131	1,204
1978	W	110	59	34	25	35	139	175	260	368	417	355	221	2,199
1979	AN	177	103	79	91	113	146	193	245	411	469	394	235	2,655
1980	W	186	110	89	106	130	155	195	296	434	499	416	242	2,859
1981	D	191	114	94	115	139	153	161	299	441	507	381	244	2,838
1982	W	192	115	96	117	142	141	186	307	443	509	423	245	2,915
1983	W	193	115	96	117	142	145	183	271	386	439	372	227	2,687
1984	AN	181	106	84	98	120	160	161	275	458	528	427	249	2,845
1985	D	195	117	99	122	148	141	148	248	358	396	282	217	2,473
1986	W	175	101	77	88	109	137	180	273	388	442	374	228	2,570
1987	C	181	106	84	98	121	103	118	169	268	292	264	191	1,996
1988	C	157	88	59	57	73	99	98	143	211	222	212	172	1,591
1989	C	145	78	46	37	50	92	148	216	298	329	291	199	1,929
1990	C	163	92	65	67	85	92	102	148	191	197	194	165	1,562
1991	C	141	75	41	30	42	83	93	134	178	190	179	138	1,323
1992	C	115	63	40	33	44	100	140	203	287	325	277	172	1,799
1993	W	137	80	63	71	88	153	166	282	437	502	418	243	2,640
1994	C	191	114	95	115	140	157	166	287	444	521	317	221	2,769
Average		174	101	79	90	111	133	151	234	361	409	340	216	2,399
Maximum		204	123	107	137	166	167	195	328	476	551	453	254	3,152
Minimum		110	59	34	25	35	75	74	96	155	161	112	131	1,198
Average by Year Type														
W		179	105	84	99	122	148	184	283	422	483	403	238	2,752
AN		169	98	74	84	104	142	156	232	392	447	375	227	2,501
BN		180	106	85	100	123	140	150	247	393	444	356	229	2,553
D		182	107	87	103	126	134	140	228	348	391	318	212	2,376
C		160	91	65	68	86	100	114	166	242	269	233	173	1,767

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]S_CVP_Del

Table C-27. South of Delta CVP Total Deliveries: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	-27.5	-39.9	0.0	0.0	-1.1	0.0	-68.5
1924	C	0.0	0.0	0.0	0.0	0.0	-0.2	-9.0	-12.4	-0.5	-0.6	-0.4	-0.2	-23.1
1925	BN	-0.1	-0.1	-0.1	-0.2	-0.2	-4.4	-25.5	-40.0	-16.6	-20.6	-15.0	-4.8	-127.7
1926	D	-3.1	-2.3	-3.2	-5.6	-6.6	2.1	-13.2	-18.3	6.2	7.6	5.6	2.0	-28.7
1927	AN	1.3	1.1	1.4	2.2	2.5	-8.7	-28.3	-42.9	4.0	4.9	3.6	1.2	-57.8
1928	BN	0.7	0.5	0.8	1.3	1.6	-1.0	-28.3	-42.3	-1.7	-2.1	-1.5	-0.6	-72.5
1929	C	-0.4	-0.3	-0.4	-0.6	-0.7	-2.4	-14.6	-20.4	-7.0	-8.7	-6.4	-2.3	-64.0
1930	C	-1.5	-1.2	-1.6	-2.5	-2.8	-0.2	-19.9	-28.5	-0.7	-0.9	-0.6	-0.2	-60.7
1931	C	-0.1	-0.1	-0.1	-0.2	-0.3	0.2	0.2	0.3	0.5	0.6	0.5	0.2	1.7
1932	AN	0.1	0.1	0.1	0.2	0.2	-0.5	-13.8	-19.6	-1.5	-1.8	-1.4	-0.5	-38.3
1933	D	-0.3	-0.3	-0.3	-0.5	-0.6	0.0	-8.6	-11.9	0.0	0.0	0.0	0.0	-22.5
1934	C	0.0	0.0	0.0	0.0	0.0	-1.4	-14.2	-20.1	-4.2	-5.2	-3.9	-1.4	-50.5
1935	AN	-0.9	-0.7	-1.0	-1.5	-1.7	0.0	-0.1	-30.9	-1.2	-1.5	-1.1	-0.4	-41.1
1936	AN	-0.2	-0.2	-0.2	-0.4	-0.5	-0.9	-1.3	-32.2	-3.1	-3.8	-2.8	-0.9	-46.6
1937	W	-0.6	-0.4	-0.6	-1.0	-1.2	-0.8	-0.5	-0.8	-1.2	-1.5	-1.1	-0.4	-10.2
1938	W	-0.2	-0.2	-0.2	-0.4	-0.5	0.4	0.6	0.8	1.3	1.6	1.2	0.4	4.8
1939	D	0.3	0.2	0.3	0.5	0.5	-0.1	-23.6	-34.1	-0.4	-0.4	-0.3	-0.1	-57.2
1940	AN	-0.1	0.0	-0.1	-0.1	-0.1	0.3	-20.4	-35.5	4.1	5.1	3.8	1.4	-41.6
1941	W	0.9	0.7	1.0	1.5	1.6	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-46.1	-1.2	-1.5	-1.1	-0.3	-50.1
1943	W	-0.2	-0.2	-0.2	-0.4	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	-23.6	0.0	0.0	0.0	0.0	0.0	-23.6
1945	AN	0.0	0.0	0.0	0.0	0.0	-7.2	-9.5	-33.0	12.6	15.6	11.6	4.2	-5.7
1946	AN	2.7	2.2	2.9	4.5	5.0	-0.1	-25.6	-47.4	-7.8	-9.7	-13.0	-2.6	-88.8
1947	D	-1.7	-1.4	-1.8	-2.8	-3.1	-0.8	-26.9	-36.9	-7.9	-9.8	-7.2	-2.5	-102.7
1948	BN	-1.6	-1.3	-1.7	-2.7	-3.1	2.7	-19.3	-39.5	-0.5	-0.6	-0.4	-0.2	-68.3
1949	BN	-0.1	-0.1	-0.1	-0.2	-0.2	0.6	-25.5	-36.4	0.0	-0.1	0.0	0.0	-62.1
1950	BN	0.0	0.0	0.0	0.0	0.0	-0.5	-19.5	-27.9	-2.5	-3.1	-2.2	-0.7	-56.5
1951	AN	-0.5	-0.3	-0.5	-0.8	-1.0	0.0	-28.3	-47.1	-9.4	-11.6	-8.6	-3.1	-111.1
1952	W	-2.0	-1.6	-2.2	-3.3	-3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	-12.2
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	-27.7	-17.6	-6.8	-8.4	-6.2	-2.2	-68.8
1954	BN	-1.5	-1.2	-1.6	-2.4	-2.7	-0.6	-28.3	-48.8	-3.6	-4.5	60.1	-1.1	-36.1
1955	D	-0.7	-0.5	-0.7	-1.2	-1.4	1.0	-22.3	-0.9	3.4	4.2	3.0	1.0	-15.1
1956	W	0.7	0.5	0.7	1.1	1.3	-1.1	-28.3	-42.9	-7.4	-9.2	-6.7	-2.3	-93.7
1957	BN	-1.5	-1.2	-1.6	-2.6	-3.0	-3.0	-28.3	4.6	7.4	9.3	6.7	2.2	-10.9
1958	W	1.4	1.0	1.4	2.5	3.0	-5.4	0.0	0.0	0.0	0.1	0.0	0.0	4.1
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	-28.3	-10.6	-17.0	-21.1	-43.1	-4.9	-124.9
1960	C	-3.2	-2.3	-3.3	-5.7	-6.8	0.0	-13.3	-18.7	-19.6	5.6	4.1	1.5	-61.7
1961	C	1.0	0.8	1.0	1.6	1.8	-0.7	-2.6	-3.8	-5.9	-7.4	-5.4	-2.0	-21.6
1962	BN	-1.3	-1.0	-1.4	-2.1	-2.4	5.1	-19.1	-34.4	12.9	9.3	-30.9	4.3	-61.1
1963	AN	2.8	2.3	3.0	4.6	5.1	-0.6	-28.3	-48.2	0.9	1.1	0.8	0.3	-56.2
1964	D	0.2	0.1	0.2	0.3	0.4	0.2	-21.3	-24.4	0.5	0.6	0.5	0.1	-42.7
1965	W	0.1	0.1	0.1	0.2	0.2	0.0	0.0	-49.6	0.0	0.0	0.0	0.0	-49.0
1966	BN	0.0	0.0	0.0	0.0	0.0	3.7	-22.1	16.4	27.8	-5.4	-12.8	8.8	16.4
1967	W	5.7	4.5	6.1	9.7	11.1	-1.9	-2.7	-3.9	-6.0	-7.5	-5.5	-2.0	7.6
1968	D	-1.3	-1.1	-1.4	-2.1	-2.4	0.0	-28.3	-10.2	-16.3	-20.3	-44.4	-4.7	-132.5
1969	W	-3.1	-2.2	-3.1	-5.5	-6.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	-19.4
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	-28.3	-45.2	-5.2	-6.4	-4.7	-1.7	-91.6
1971	BN	-1.1	-0.9	-1.2	-1.8	-2.1	0.0	-27.2	-11.1	-8.1	-10.0	-40.5	-2.3	-106.4
1972	D	-1.5	-1.1	-1.6	-2.7	-3.2	0.6	-12.1	-30.6	1.9	2.4	1.8	0.6	-45.4
1973	AN	0.4	0.3	0.5	0.7	0.8	3.1	0.0	-45.2	0.0	0.0	0.0	0.0	-39.6
1974	W	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	-28.3	0.0	-26.6
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-45.5	0.0	0.0	0.0	0.0	-45.5
1976	C	0.0	0.0	0.0	0.0	0.0	0.3	-14.8	-20.9	0.9	1.1	0.8	0.3	-32.3
1977	C	0.2	0.2	0.2	0.3	0.4	0.0	-8.6	-22.2	0.0	0.0	0.0	0.0	-29.6
1978	W	0.0	0.0	0.0	0.0	0.0	-0.8	-1.1	-1.7	-2.6	-3.2	-2.4	-0.9	-12.7
1979	AN	-0.6	-0.5	-0.6	-0.9	-1.0	0.0	-1.5	-43.1	-2.1	-2.5	-1.9	-0.7	-55.4
1980	W	-0.4	-0.4	-0.5	-0.7	-0.8	0.0	0.0	-5.6	0.0	0.0	0.0	0.0	-8.5
1981	D	0.0	0.0	0.0	0.0	0.0	0.9	-28.3	-5.6	-9.0	-11.2	-48.7	-2.6	-104.7
1982	W	-1.7	-1.2	-1.7	-3.1	-3.6	1.1	1.6	2.3	3.7	4.6	3.3	1.1	6.3
1983	W	0.7	0.5	0.7	1.2	1.5	-0.1	-0.1	-0.2	-0.3	-0.3	-0.3	-0.1	3.3
1984	AN	-0.1	0.0	-0.1	-0.1	-0.1	0.0	-28.3	-41.6	-10.4	-12.9	-18.7	-3.0	-115.3
1985	D	-2.0	-1.4	-2.0	-3.5	-4.1	0.3	-24.0	-0.8	-1.3	-10.0	-30.3	-0.4	-79.6
1986	W	-0.3	-0.2	-0.3	-0.4	-0.5	0.5	-0.2	0.7	1.1	1.4	1.0	0.4	3.2
1987	C	0.2	0.2	0.3	0.4	0.4	-0.1	-17.3	-24.6	-0.2	-0.3	-0.2	-0.1	-41.2
1988	C	0.0	0.0	0.0	-0.1	-0.1	-0.1	-12.8	-17.8	-0.2	-0.2	-0.1	-0.1	-31.5
1989	C	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1991	C	0.0	0.0	0.0	0.0	0.0	-5.0	-6.5	-9.4	-14.7	-18.3	-13.5	-4.9	-72.2
1992	C	-3.2	-2.6	-3.4	-5.2	-5.9	0.5	0.9	1.3	2.1	2.7	1.9	0.6	-10.2
1993	W	0.4	0.3	0.4	0.7	0.9	0.8	-28.3	-17.8	5.6	6.9	5.0	1.6	-23.6
1994	C	1.0	0.8	1.1	1.9	2.2	0.1	-29.5	-10.4	-4.7	-5.8	-22.0	-1.4	-66.8
Average		-0.2	-0.2	-0.2	-0.4	-0.5	-0.3	-13.6	-19.6	-1.5	-2.2	-4.4	-0.4	-43.5
Maximum		5.7	4.5	6.1	9.7	11.1	5.1	1.6	16.4	27.8	15.6	60.1	8.8	16.4
Minimum		-3.2	-2.6	-3.4	-5.7	-6.8	-8.7	-29.5	-49.6	-19.6	-21.1	-48.7	-4.9	-132.5
Average by Year Type														
W		0.1	0.1	0.1	0.1	0.1	-0.2	-3.0	-10.5	-0.4	-0.4	-1.7	-0.1	-16.0
AN		0.4	0.3	0.4	0.6	0.7	-1.0	-17.2	-39.4	-1.4	-1.7	-2.4	-0.4	-61.3
BN		-0.5	-0.4	-0.6	-0.9	-1.0	0.2	-24.5	-23.1	0.7	-3.0	-3.6	0.3	-56.5
D		-0.9	-0.7	-1.0	-1.6	-1.9	0.4	-21.5	-16.7	-3.6	-5.3	-14.8	-1.0	-68.7
C		-0.4	-0.3	-0.4	-0.6	-0.7	-0.6	-10.1	-13.0	-3.4	-2.3	-2.8	-0.6	-35.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]S_CVP_Del

Table C-28. South of Delta CVP Total Deliveries: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.5%	-14.7%	0.0%	0.0%	-0.3%	0.0%	-2.5%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-10.7%	-10.2%	-0.3%	-0.3%	-0.3%	-0.1%	-1.5%
1925	BN	-0.1%	-0.1%	-0.3%	-0.6%	-0.5%	-3.4%	-16.7%	-17.7%	-5.1%	-5.7%	-4.7%	-2.3%	-6.4%
1926	D	-1.9%	-2.4%	-4.5%	-7.3%	-6.9%	1.9%	-10.5%	-10.5%	2.5%	2.9%	2.3%	1.1%	-1.5%
1927	AN	0.9%	1.3%	2.7%	4.5%	3.9%	-5.4%	-14.5%	-14.3%	0.9%	1.0%	0.8%	0.5%	-2.2%
1928	BN	0.4%	0.5%	0.8%	1.1%	1.1%	-0.6%	-15.0%	-15.2%	-0.4%	-0.5%	-0.4%	-0.2%	-2.6%
1929	C	-0.2%	-0.3%	-0.4%	-0.6%	-0.5%	-2.5%	-13.7%	-13.6%	-3.5%	-4.1%	-3.1%	-1.4%	-3.6%
1930	C	-1.0%	-1.6%	-3.7%	-7.4%	-6.0%	-0.2%	-13.4%	-13.6%	-0.2%	-0.3%	-0.2%	-0.1%	-3.1%
1931	C	-0.1%	-0.1%	-0.2%	-0.4%	-0.3%	0.2%	0.3%	0.3%	0.3%	0.4%	0.3%	0.1%	0.1%
1932	AN	0.1%	0.1%	0.3%	0.6%	0.5%	-0.5%	-12.7%	-12.9%	-0.7%	-0.8%	-0.6%	-0.3%	-2.6%
1933	D	-0.3%	-0.4%	-0.7%	-1.1%	-1.0%	0.0%	-10.4%	-10.4%	0.0%	0.0%	0.0%	0.0%	-1.8%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	-13.5%	-13.2%	-2.1%	-2.3%	-1.9%	-0.9%	-3.6%
1935	AN	-0.8%	-1.1%	-2.1%	-3.5%	-3.0%	0.0%	-0.1%	-13.6%	-0.4%	-0.4%	-0.4%	-0.2%	-2.1%
1936	AN	-0.1%	-0.2%	-0.4%	-0.6%	-0.5%	-0.7%	-0.8%	-13.7%	-0.9%	-1.0%	-0.8%	-0.4%	-2.0%
1937	W	-0.3%	-0.4%	-0.8%	-1.3%	-1.2%	-0.8%	-0.3%	-0.3%	-0.4%	-0.5%	-0.4%	-0.2%	-0.5%
1938	W	-0.1%	-0.2%	-0.4%	-0.6%	-0.6%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%
1939	D	0.2%	0.2%	0.3%	0.4%	0.4%	-0.1%	-14.5%	-14.3%	-0.1%	-0.1%	-0.1%	0.0%	-2.4%
1940	AN	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.3%	-13.3%	-13.7%	1.1%	1.2%	1.0%	0.6%	-1.7%
1941	W	0.5%	0.7%	1.2%	1.6%	1.4%	-0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.0%	-0.3%	-0.3%	-0.3%	-0.1%	-1.7%
1943	W	-0.1%	-0.1%	-0.2%	-0.3%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.5%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	0.0%	-4.8%	-5.1%	-12.0%	3.2%	3.5%	3.1%	1.8%	-0.2%
1946	AN	1.5%	2.1%	3.4%	4.5%	4.1%	0.0%	-14.8%	-16.3%	-1.8%	-2.0%	-3.3%	-1.1%	-3.2%
1947	D	-0.9%	-1.2%	-2.0%	-2.5%	-2.3%	-0.7%	-15.7%	-14.9%	-2.2%	-2.5%	-2.1%	-1.2%	-4.1%
1948	BN	-0.9%	-1.3%	-2.3%	-3.2%	-3.0%	2.4%	-12.4%	-14.4%	-0.1%	-0.1%	-0.1%	-0.1%	-2.7%
1949	BN	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	0.5%	-14.3%	-14.3%	0.0%	0.0%	0.0%	0.0%	-2.5%
1950	BN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-13.6%	-13.8%	-0.9%	-1.0%	-0.8%	-0.4%	-2.7%
1951	AN	-0.3%	-0.4%	-0.8%	-1.3%	-1.2%	0.0%	-15.0%	-16.6%	-2.3%	-2.4%	-2.2%	-1.3%	-4.3%
1952	W	-1.1%	-1.5%	-2.4%	-3.1%	-2.8%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.9%	-6.1%	-1.6%	-1.7%	-1.5%	-0.9%	-2.4%
1954	BN	-0.8%	-1.1%	-1.7%	-2.2%	-2.0%	-0.4%	-14.8%	-15.8%	-0.8%	-0.9%	16.6%	-0.4%	-1.3%
1955	D	-0.4%	-0.4%	-0.7%	-1.0%	-1.0%	0.7%	-13.3%	-0.4%	1.0%	1.1%	0.9%	0.5%	-0.6%
1956	W	0.4%	0.5%	0.9%	1.4%	1.3%	-0.7%	-15.0%	-14.6%	-1.7%	-1.9%	-1.6%	-1.0%	-3.4%
1957	BN	-0.8%	-1.0%	-1.7%	-2.3%	-2.2%	-1.8%	-15.0%	1.5%	1.7%	1.8%	1.6%	0.9%	-0.4%
1958	W	0.7%	0.9%	1.5%	2.1%	2.0%	-3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.2%	-3.5%	-3.8%	-4.1%	-10.4%	-2.0%	-4.2%
1960	C	-1.7%	-2.0%	-3.4%	-4.8%	-4.7%	0.0%	-10.8%	-10.8%	-10.2%	2.2%	1.7%	0.8%	-3.2%
1961	C	0.6%	1.0%	2.0%	3.4%	2.9%	-0.5%	-1.4%	-1.3%	-1.5%	-1.6%	-1.4%	-0.8%	-0.9%
1962	BN	-0.7%	-1.0%	-1.6%	-2.0%	-1.9%	3.6%	-11.0%	-12.6%	3.2%	2.0%	-8.8%	1.8%	-2.3%
1963	AN	1.5%	2.1%	3.4%	4.4%	4.0%	-0.4%	-14.5%	-15.2%	0.2%	0.2%	0.2%	0.1%	-1.9%
1964	D	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	-13.5%	-10.9%	0.2%	0.2%	0.1%	0.1%	-1.8%
1965	W	0.1%	0.1%	0.1%	0.2%	0.2%	0.0%	0.0%	-15.2%	0.0%	0.0%	0.0%	0.0%	-1.7%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	-12.1%	5.9%	6.8%	-1.2%	-4.2%	3.8%	0.6%
1967	W	3.1%	4.1%	6.8%	9.2%	8.6%	-1.3%	-1.5%	-1.5%	-1.7%	-1.8%	-1.6%	-0.9%	0.3%
1968	D	-0.7%	-1.1%	-1.8%	-2.4%	-2.2%	0.0%	-15.2%	-3.3%	-3.6%	-3.9%	-10.9%	-1.9%	-4.7%
1969	W	-1.6%	-1.9%	-3.2%	-4.5%	-4.4%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.9%	-15.8%	-1.2%	-1.3%	-1.2%	-0.7%	-3.2%
1971	BN	-0.6%	-0.8%	-1.3%	-1.7%	-1.6%	0.0%	-14.9%	-3.6%	-1.8%	-1.9%	-10.1%	-1.0%	-3.7%
1972	D	-0.8%	-0.9%	-1.6%	-2.3%	-2.2%	0.4%	-6.7%	-11.1%	0.5%	0.5%	0.5%	0.3%	-1.7%
1973	AN	0.2%	0.3%	0.5%	0.7%	0.6%	2.0%	0.0%	-14.8%	0.0%	0.0%	0.0%	0.0%	-1.4%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	-6.9%	0.0%	-0.9%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.9%	0.0%	0.0%	0.0%	0.0%	-1.6%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-12.0%	-12.0%	0.4%	0.4%	0.3%	0.2%	-1.6%
1977	C	0.1%	0.2%	0.4%	0.7%	0.6%	0.0%	-10.4%	-18.7%	0.0%	0.0%	0.0%	0.0%	-2.4%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.6%	-0.6%	-0.7%	-0.8%	-0.7%	-0.4%	-0.6%
1979	AN	-0.3%	-0.4%	-0.8%	-1.0%	-0.9%	0.0%	-0.8%	-14.9%	-0.5%	-0.5%	-0.5%	-0.3%	-2.0%
1980	W	-0.2%	-0.3%	-0.5%	-0.7%	-0.6%	0.0%	0.0%	-1.9%	0.0%	0.0%	0.0%	0.0%	-0.3%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-15.0%	-1.9%	-2.0%	-2.2%	-11.3%	-1.1%	-3.6%
1982	W	-0.9%	-1.1%	-1.8%	-2.6%	-2.5%	0.8%	0.8%	0.8%	0.8%	0.9%	0.8%	0.4%	0.2%
1983	W	0.4%	0.4%	0.7%	1.1%	1.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.1%
1984	AN	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	-15.0%	-13.1%	-2.2%	-2.4%	-4.2%	-1.2%	-3.9%
1985	D	-1.0%	-1.2%	-2.0%	-2.8%	-2.7%	0.2%	-13.9%	-0.3%	-0.3%	-2.5%	-9.7%	-0.2%	-3.1%
1986	W	-0.2%	-0.2%	-0.4%	-0.5%	-0.5%	0.3%	-0.1%	0.3%	0.3%	0.3%	0.3%	0.2%	0.1%
1987	C	0.1%	0.2%	0.3%	0.4%	0.4%	-0.1%	-12.8%	-12.7%	-0.1%	-0.1%	-0.1%	0.0%	-2.0%
1988	C	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-11.6%	-11.1%	-0.1%	-0.1%	-0.1%	0.0%	-1.9%
1989	C	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	-5.7%	-6.5%	-6.5%	-7.6%	-8.8%	-7.0%	-3.4%	-5.2%
1992	C	-2.7%	-3.9%	-7.9%	-13.5%	-11.7%	0.5%	0.6%	0.7%	0.8%	0.8%	0.7%	0.4%	-0.6%
1993	W	0.3%	0.4%	0.7%	1.0%	1.0%	0.5%	-14.6%	-5.9%	1.3%	1.4%	1.2%	0.7%	-0.9%
1994	C	0.5%	0.7%	1.1%	1.7%	1.6%	0.1%	-15.1%	-3.5%	-1.0%	-1.1%	-6.5%	-0.6%	-2.4%
Average		-0.1%	-0.2%	-0.3%	-0.5%	-0.5%	-0.2%	-8.4%	-8.0%	-0.5%	-0.6%	-1.2%	-0.2%	-1.8%
Maximum		3.1%	4.1%	6.8%	9.2%	8.6%	3.6%	0.8%	5.9%	6.8%	3.5%	16.6%	3.8%	0.6%
Minimum		-2.7%	-3.9%	-7.9%	-13.5%	-11.7%	-5.7%	-16.7%	-18.7%	-10.2%	-8.8%	-11.3%	-3.4%	-6.4%
Average by Year Type														
W		0.0%	0.1%	0.1%	0.1%	0.1%	-0.2%	-1.6%	-3.4%	-0.1%	-0.1%	-0.4%	-0.1%	-0.6%
AN		0.2%	0.3%	0.4%	0.6%	0.5%	-0.7%	-9.7%	-14.4%	-0.3%	-0.4%	-0.6%	-0.2%	-2.4%
BN		-0.3%	-0.4%	-0.7%	-0.9%	-0.8%	0.2%	-14.1%	-8.8%	0.1%	-0.8%	-1.0%	0.1%	-2.3%
D		-0.5%	-0.7%	-1.2%	-1.7%	-1.6%	0.3%	-13.1%	-7.4%	-0.7%	-1.0%	-3.7%	-0.4%	-2.7%
C		-0.3%	-0.4%	-0.7%	-1.3%	-1.1%	-0.6%	-8.2%	-7.9%	-1.6%	-0.9%	-1.1%	-0.4%	-2.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]S_CVP_Del

Table C-29. North of Delta CVP Total Deliveries: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	59	16	10	5	4	4	357	394	482	485	426	209	2,451
1923	AN	29	16	10	5	4	62	247	411	455	481	424	134	2,277
1924	C	59	22	10	5	4	37	284	312	339	338	291	131	1,832
1925	BN	15	12	7	4	3	1	208	290	439	476	419	175	2,049
1926	D	73	16	10	5	4	29	142	349	457	456	398	205	2,142
1927	AN	35	16	10	5	4	5	295	391	450	485	427	209	2,332
1928	BN	33	16	10	5	4	1	242	403	469	474	422	207	2,285
1929	C	70	16	10	5	4	16	301	381	349	414	369	186	2,121
1930	C	66	28	10	5	4	1	218	350	460	459	408	177	2,186
1931	C	64	16	10	5	4	51	295	273	312	351	303	136	1,819
1932	AN	43	12	7	4	3	15	259	272	347	358	319	157	1,796
1933	D	56	16	7	4	3	29	288	283	337	337	291	130	1,782
1934	C	35	21	7	4	3	10	261	307	350	364	313	141	1,816
1935	AN	38	12	7	4	3	1	119	366	476	474	422	202	2,124
1936	AN	41	19	10	5	4	5	245	360	406	464	415	199	2,172
1937	W	71	29	10	5	4	1	234	390	419	454	405	204	2,228
1938	W	38	16	10	5	4	1	207	371	485	486	427	175	2,226
1939	D	39	18	10	5	32	92	392	345	438	434	390	162	2,358
1940	AN	53	27	10	5	4	1	244	331	480	485	426	204	2,270
1941	W	34	16	10	5	4	1	117	283	469	489	430	209	2,067
1942	W	36	16	10	5	4	1	125	324	483	490	430	206	2,129
1943	W	65	16	10	5	4	2	228	398	474	485	428	210	2,322
1944	BN	67	18	10	5	4	13	282	342	440	463	413	207	2,263
1945	AN	50	16	10	5	4	1	290	336	443	485	427	209	2,275
1946	AN	21	16	10	5	4	11	373	407	477	468	424	203	2,417
1947	D	68	16	10	5	4	4	298	379	404	461	409	206	2,263
1948	BN	23	16	10	5	16	26	107	247	406	487	426	186	1,953
1949	BN	51	18	10	5	5	1	286	355	473	472	420	205	2,301
1950	BN	77	17	10	5	4	10	308	386	437	444	395	184	2,276
1951	AN	23	16	10	5	4	11	350	337	483	484	425	206	2,353
1952	W	26	16	10	5	4	1	268	399	437	481	427	206	2,279
1953	BN	76	16	10	5	4	27	259	372	454	484	392	209	2,307
1954	BN	63	16	10	5	4	1	209	393	468	486	385	207	2,246
1955	D	69	16	10	5	4	46	281	391	450	450	401	174	2,296
1956	W	61	16	10	5	4	34	314	336	461	485	427	187	2,338
1957	BN	39	27	10	5	4	28	307	349	487	489	430	102	2,275
1958	W	23	20	10	5	4	1	129	311	444	471	424	204	2,046
1959	D	69	26	10	5	4	19	394	437	483	483	417	97	2,443
1960	C	77	30	10	5	4	2	270	333	434	433	387	194	2,179
1961	C	65	16	10	5	4	1	283	386	454	475	418	186	2,303
1962	BN	71	16	10	5	4	2	328	404	465	485	423	201	2,412
1963	AN	20	16	10	5	4	1	117	335	479	489	430	208	2,113
1964	D	33	16	10	5	4	54	381	390	409	437	385	176	2,298
1965	W	35	16	10	5	4	33	223	409	481	485	364	209	2,274
1966	BN	77	16	10	5	4	17	370	427	473	471	420	204	2,495
1967	W	77	16	10	5	4	1	108	372	398	487	428	207	2,113
1968	D	69	16	10	5	4	1	314	402	447	485	380	209	2,341
1969	W	46	16	10	5	4	2	294	422	470	484	427	207	2,385
1970	AN	47	17	10	5	4	3	339	422	439	472	421	207	2,384
1971	BN	46	16	10	5	4	25	394	348	468	480	424	200	2,419
1972	D	71	17	10	5	7	96	361	391	438	455	406	161	2,416
1973	AN	24	16	10	5	4	1	296	406	485	485	427	198	2,357
1974	W	29	16	10	5	4	1	223	401	475	417	427	210	2,216
1975	W	38	17	10	5	4	1	244	409	484	473	418	209	2,311
1976	C	23	19	10	5	33	118	308	383	410	415	325	163	2,211
1977	C	67	19	10	5	19	65	322	229	348	349	234	91	1,756
1978	W	51	12	7	4	3	1	168	385	484	487	427	166	2,195
1979	AN	79	16	10	5	4	2	264	401	483	483	419	195	2,360
1980	W	27	16	10	5	4	1	266	374	456	479	427	205	2,269
1981	D	66	23	10	5	4	1	241	365	485	485	427	184	2,297
1982	W	24	16	10	5	4	1	149	387	433	489	431	132	2,081
1983	W	20	16	10	5	4	1	129	350	462	488	413	171	2,069
1984	AN	60	16	10	5	4	22	374	436	468	479	403	201	2,477
1985	D	34	16	10	5	4	1	310	416	475	481	419	143	2,314
1986	W	53	16	10	5	4	1	242	383	476	474	423	152	2,238
1987	C	71	25	10	5	4	3	304	387	430	428	382	192	2,240
1988	C	55	16	10	5	4	53	270	311	391	424	378	190	2,105
1989	C	69	16	10	5	12	3	284	416	441	464	408	51	2,178
1990	C	30	17	10	5	4	30	349	229	420	421	359	180	2,052
1991	C	64	20	10	5	10	1	182	283	348	366	322	159	1,770
1992	C	44	15	7	4	3	1	199	334	352	392	350	174	1,873
1993	W	21	15	7	4	3	1	265	285	416	485	421	209	2,133
1994	C	51	16	10	5	4	37	320	297	426	427	380	188	2,160
Average		49	18	9	5	5	16	264	360	440	457	399	182	2,204
Maximum		79	30	10	5	33	118	394	437	487	490	431	210	2,495
Minimum		15	12	7	4	3	1	107	229	312	337	234	51	1,756
Average by Year Type														
W		42	17	9	5	4	5	214	369	460	479	421	194	2,218
AN		40	17	9	5	4	10	272	372	455	471	415	195	2,265
BN		53	17	9	5	5	13	275	360	457	476	414	191	2,273
D		59	18	9	5	7	34	309	377	438	451	393	168	2,268
C		57	20	9	5	7	27	278	326	392	407	352	159	2,038

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]N_CVP_Del

Table C-30. North of Delta CVP Total Deliveries: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.5
1925	BN	0.0	0.0	0.0	0.0	0.0	0.0	-1.6	-0.3	-3.0	-4.0	-0.4	-0.2	-9.5
1926	D	-0.1	0.0	0.0	0.0	0.0	0.1	0.5	1.1	1.4	1.4	1.2	0.6	6.1
1927	AN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1928	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.4	-0.4	-0.4	-0.4	-0.1	-1.9
1929	C	-0.1	0.0	0.0	0.0	0.0	0.0	-1.2	-1.6	-1.4	-1.7	-1.5	-0.8	-8.2
1930	C	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-1.0
1931	C	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.6
1932	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.3	-0.3	-0.4	-0.3	-0.2	-1.7
1933	D	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1934	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	-0.9	-1.0	-1.1	-0.9	-0.4	-5.0
1935	AN	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.3	-0.3	0.0	-1.2
1936	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.6	-0.6	-0.7	-0.6	0.0	-2.9
1937	W	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.3	-0.3	-0.2	-0.1	-1.4
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.4
1940	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1941	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	AN	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.4	-0.6	-0.8	-0.6	-0.4	-3.1
1946	AN	0.0	0.0	0.0	0.0	0.0	-0.1	-2.7	-2.4	-3.3	-3.2	-2.4	-0.2	-14.4
1947	D	-0.3	0.0	0.0	0.0	0.0	0.0	-1.2	-1.5	-1.6	-1.7	-1.5	-0.1	-7.8
1948	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	-0.9	-1.2	-1.1	-1.0	-0.2	-5.1
1950	BN	-0.2	0.0	0.0	0.0	0.0	0.0	-0.4	-0.5	-0.6	-0.6	-0.5	-0.2	-3.0
1951	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	D	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.7	0.8	0.8	0.7	0.3	3.9
1956	W	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1957	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	C	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	1.1	1.1	1.0	0.5	5.3
1961	C	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-0.5	-0.5	-0.5	-0.5	0.0	-2.3
1962	BN	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.5
1963	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	D	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.6
1965	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1966	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1969	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	D	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.4	0.4	0.3	0.1	2.0
1973	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.9
1977	C	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	0.0	-1.9	0.0	-63.9	0.0	-66.3
1978	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1979	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.3
1980	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.3
1986	W	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.2	0.0	1.1
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.0	-1.8	-2.9	-3.5	-1.4	-3.3	-1.7	-14.7
1992	C	-0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.5	0.5	0.3	2.4
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.3	-0.3	-0.3	-0.1	-1.5
Average		0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.2	-1.0	0.0	-1.8
Maximum		0.1	0.1	0.0	0.0	0.0	0.1	0.7	1.1	1.4	1.4	1.2	0.6	6.1
Minimum		-0.3	-0.1	0.0	0.0	0.0	-0.5	-2.7	-2.9	-3.5	-4.0	-63.9	-1.7	-66.3
Average by Year Type														
W		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AN		0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.3	-0.4	-0.4	-0.3	-0.1	-1.7
BN		0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.4	-0.5	-0.2	-0.1	-1.6
D		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.4
C		0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.4	-0.2	-4.3	-0.1	-5.7

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]N_CVP_Del

Table C-31. North of Delta CVP Total Deliveries: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.1%	-0.7%	-0.8%	-0.1%	-0.1%	-0.5%
1926	D	-0.2%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
1927	AN	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1928	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
1929	C	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.4%	-0.4%	-0.4%	-0.4%	-0.4%
1930	C	-0.3%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
1933	D	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%
1935	AN	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
1936	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
1937	W	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1940	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1941	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.2%	-0.1%	-0.2%	-0.1%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.7%	-0.6%	-0.7%	-0.7%	-0.6%	-0.1%	-0.6%
1947	D	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-0.4%	-0.4%	-0.4%	-0.1%	-0.3%
1948	BN	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1949	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.1%	-0.2%
1950	BN	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
1951	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1955	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
1956	W	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1958	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1960	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%
1961	C	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
1962	BN	-0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1965	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1967	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	-0.6%	0.0%	-21.5%	0.0%	-3.6%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1980	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-1.0%	-1.0%	-0.4%	-1.0%	-1.1%	-0.8%
1992	C	-0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
Average		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.3%	0.0%	-0.1%
Maximum		0.2%	0.6%	0.0%	0.0%	0.0%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Minimum		-0.4%	-0.2%	0.0%	0.0%	-0.2%	-0.7%	-1.0%	-1.0%	-1.0%	-0.8%	-21.5%	-1.1%	-3.6%
Average by Year Type														
W		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AN		0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
BN		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.1%	-0.1%	0.0%	0.0%	-0.1%
D		-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C		0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-1.4%	-0.1%	-0.3%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]N_CVP_Del

Table C-32. South of Delta SWP Total Deliveries: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	265	229	209	116	153	199	254	338	432	457	443	325	3,421
1923	AN	240	207	191	162	187	217	271	361	457	482	467	349	3,592
1924	C	266	231	212	46	54	68	80	108	136	143	136	105	1,585
1925	BN	80	66	59	39	48	95	109	151	190	203	193	146	1,380
1926	D	115	97	88	54	101	168	170	322	408	427	410	312	2,672
1927	AN	237	205	188	82	154	209	264	351	445	471	456	337	3,399
1928	BN	254	220	203	145	189	205	241	323	408	428	411	313	3,339
1929	C	245	212	195	46	54	66	83	115	144	153	146	111	1,569
1930	C	84	70	62	44	90	112	199	264	336	354	340	259	2,215
1931	C	200	173	159	44	55	63	85	113	141	150	143	109	1,435
1932	AN	82	69	61	44	74	88	98	133	167	179	170	130	1,294
1933	D	104	88	78	55	91	95	125	168	213	226	216	164	1,624
1934	C	125	106	96	44	57	78	108	144	180	191	183	140	1,451
1935	AN	104	87	78	35	61	81	180	385	484	509	494	374	2,873
1936	AN	285	246	227	34	53	203	268	358	450	475	457	349	3,406
1937	W	270	232	212	40	53	122	258	315	408	461	445	333	3,149
1938	W	251	217	199	146	170	196	213	299	390	444	430	317	3,272
1939	D	242	209	192	160	186	214	262	348	443	463	447	335	3,502
1940	AN	250	217	198	34	54	221	294	390	492	517	504	381	3,553
1941	W	287	250	231	123	150	175	219	260	337	390	375	279	3,076
1942	W	217	185	167	153	178	206	259	345	439	465	450	334	3,399
1943	W	254	217	199	158	182	210	259	315	406	462	447	334	3,444
1944	BN	257	222	203	79	119	196	276	368	466	488	476	343	3,494
1945	AN	266	235	218	68	80	195	283	374	474	500	487	365	3,543
1946	AN	274	240	221	161	186	210	271	360	456	480	466	347	3,673
1947	D	264	232	215	60	63	94	222	296	372	390	376	289	2,873
1948	BN	220	191	175	35	47	48	84	323	406	429	413	318	2,689
1949	BN	248	212	194	50	56	69	180	240	303	318	306	235	2,412
1950	BN	180	154	140	38	69	143	262	349	439	463	446	343	3,026
1951	AN	266	225	206	165	191	220	276	368	465	489	475	358	3,704
1952	W	269	234	213	132	153	178	185	266	342	398	382	287	3,039
1953	BN	226	192	174	165	190	218	273	363	459	488	472	356	3,575
1954	BN	273	236	218	142	189	225	284	377	474	501	485	366	3,769
1955	D	280	242	224	60	99	103	123	170	213	226	217	166	2,124
1956	W	128	108	97	157	181	210	263	350	444	471	457	341	3,207
1957	BN	262	226	207	148	184	203	252	336	427	448	430	327	3,451
1958	W	252	219	200	108	176	203	256	340	401	456	443	330	3,384
1959	D	254	217	198	165	194	230	264	350	442	464	447	341	3,565
1960	C	265	230	211	34	40	64	145	193	245	258	247	190	2,122
1961	C	148	126	114	59	81	126	234	311	396	414	397	304	2,709
1962	BN	233	201	185	35	41	130	268	355	448	471	453	346	3,167
1963	AN	268	233	213	137	183	201	263	352	446	472	458	342	3,567
1964	D	262	227	210	144	201	204	253	338	428	447	431	330	3,474
1965	W	252	218	200	136	179	192	232	309	391	414	398	299	3,220
1966	BN	234	201	184	162	187	217	273	362	459	482	469	351	3,581
1967	W	264	229	166	95	132	159	250	306	397	453	441	327	3,219
1968	D	248	212	195	166	192	212	261	348	441	463	444	337	3,519
1969	W	259	224	207	91	119	144	193	263	343	366	396	299	2,905
1970	AN	234	200	165	161	186	215	267	358	452	478	462	346	3,526
1971	BN	265	229	211	168	193	216	276	367	464	490	476	358	3,713
1972	D	276	238	220	141	173	191	219	293	369	388	373	283	3,165
1973	AN	221	190	173	111	183	212	269	358	454	477	464	346	3,458
1974	W	260	226	208	157	182	211	264	351	446	471	457	341	3,574
1975	W	261	224	206	161	186	215	267	358	453	478	465	348	3,623
1976	C	268	233	216	165	174	201	235	317	402	418	401	307	3,336
1977	C	232	201	184	34	39	45	52	76	98	105	99	76	1,239
1978	W	59	51	45	34	86	176	203	226	369	432	416	314	2,411
1979	AN	245	211	192	125	174	206	261	348	442	465	452	336	3,457
1980	W	251	217	200	127	162	159	190	274	383	395	399	302	3,059
1981	D	239	205	186	136	194	212	269	359	456	475	458	349	3,537
1982	W	263	230	211	147	172	198	243	329	421	447	433	320	3,415
1983	W	245	212	183	98	95	101	154	165	215	236	370	262	2,336
1984	AN	204	165	136	138	179	214	266	357	449	476	460	343	3,384
1985	D	266	232	215	155	163	195	282	373	473	494	477	358	3,684
1986	W	268	236	218	40	59	200	238	323	405	430	414	313	3,143
1987	C	247	213	194	97	121	150	238	317	399	416	401	307	3,100
1988	C	236	191	206	36	53	54	62	84	106	115	108	83	1,334
1989	C	64	52	46	40	48	51	231	306	387	405	390	299	2,320
1990	C	232	201	185	37	54	64	86	114	143	152	144	110	1,523
1991	C	85	71	64	34	39	46	76	103	129	139	131	101	1,018
1992	C	78	64	57	35	40	60	84	114	142	151	144	110	1,078
1993	W	84	70	62	43	164	215	271	361	458	483	470	350	3,031
1994	C	266	230	213	149	169	216	247	330	419	434	420	321	3,414
Average		221	191	174	98	126	160	215	291	370	394	383	288	2,912
Maximum		287	250	231	168	201	230	294	390	492	517	504	381	3,769
Minimum		59	51	45	34	39	45	52	76	98	105	99	76	1,018
Average by Year Type														
W		233	201	182	113	147	183	233	305	394	431	427	318	3,166
AN		227	195	176	104	139	192	252	347	438	462	448	336	3,316
BN		228	196	179	101	126	164	231	326	412	434	419	317	3,133
D		232	200	184	118	151	174	223	306	387	406	390	297	3,067
C		190	163	151	59	73	92	140	188	238	250	239	183	1,966

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]S_SWP

Table C-33. South of Delta SWP Total Deliveries: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	0.0	0.0	0.5	0.4	0.5	0.6	0.8	1.0	1.0	1.0	0.7	6.7
1925	BN	0.6	0.5	0.4	0.4	0.4	1.2	1.3	1.8	2.2	2.2	2.2	1.7	14.9
1926	D	1.3	1.2	1.1	-0.1	5.9	5.4	6.9	5.2	6.7	6.9	6.7	5.1	52.5
1927	AN	3.8	3.4	3.2	1.7	1.0	-0.2	-0.2	-0.3	-0.4	-0.5	-0.7	-0.4	10.2
1928	BN	-0.2	-0.2	-0.2	1.8	1.6	0.5	0.0	-0.1	-0.1	-0.1	-0.1	0.0	2.9
1929	C	0.0	0.0	0.0	0.4	0.6	0.7	0.9	1.2	1.5	1.6	1.6	1.2	9.8
1930	C	0.8	0.7	0.6	0.0	-0.1	-0.2	1.2	1.6	2.0	2.1	2.0	1.5	12.2
1931	C	1.1	1.0	1.0	-0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.3	5.2
1932	AN	0.2	0.2	0.2	0.1	0.9	1.1	1.2	1.6	2.1	2.2	2.1	1.6	13.4
1933	D	1.2	1.0	1.0	-1.3	4.3	4.7	6.0	8.0	10.2	10.5	10.2	7.9	63.9
1934	C	5.8	5.2	5.0	-0.2	-0.4	2.5	2.8	3.8	4.7	4.8	4.7	3.6	42.4
1935	AN	2.6	2.3	2.1	0.1	0.5	1.7	3.7	2.8	3.2	3.4	3.8	2.8	29.1
1936	AN	1.8	1.6	1.5	0.0	0.2	1.1	1.2	1.6	1.9	2.1	2.0	1.5	16.5
1937	W	1.2	1.1	1.0	0.9	0.6	4.3	3.8	4.9	6.3	6.7	7.6	4.7	43.2
1938	W	2.6	2.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1940	AN	0.0	0.0	0.0	0.0	-0.1	-0.3	0.0	0.0	0.1	0.1	0.1	0.0	-0.1
1941	W	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	AN	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	-0.2	-0.3	-0.4	-0.3	-0.1	-1.0
1946	AN	0.0	0.0	0.0	0.0	0.0	1.6	-0.1	-0.1	0.0	0.1	0.0	-0.1	1.3
1947	D	-0.1	-0.1	-0.1	2.1	2.2	4.3	6.6	8.7	11.1	11.6	11.5	8.8	66.5
1948	BN	6.6	5.8	5.5	-0.1	-1.2	-0.5	-1.1	-6.3	-8.0	-8.4	-8.0	-6.1	-21.8
1949	BN	-4.7	-4.1	-3.9	0.2	0.1	0.1	0.9	1.2	1.5	1.7	1.5	1.1	-4.4
1950	BN	0.8	0.7	0.7	-0.7	-1.7	-3.1	-2.3	-3.0	-3.8	-3.9	-3.7	-2.8	-22.9
1951	AN	-2.1	-2.0	-1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.0
1952	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	0.5	0.1	1.6
1955	D	0.0	0.0	0.0	0.3	0.6	0.3	0.4	0.4	0.5	0.6	0.9	0.6	4.7
1956	W	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.2	1.8
1957	BN	0.1	0.0	0.0	-1.1	1.0	1.3	0.2	0.4	0.5	0.5	0.4	0.3	3.7
1958	W	0.2	0.0	0.0	-0.5	0.0	0.0	0.0	0.1	0.2	0.5	0.6	0.1	1.2
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	-0.2	-0.7
1960	C	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.8
1961	C	0.1	0.1	0.1	-0.3	-0.4	-0.6	-0.2	-0.3	-0.4	-0.4	-0.4	-0.2	-2.8
1962	BN	-0.1	-0.1	-0.1	0.0	-0.1	-1.1	-0.9	-1.1	-1.3	-1.4	-1.6	-1.0	-8.9
1963	AN	-0.6	-0.5	-0.5	-1.4	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	-1.9
1964	D	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.6	0.7	0.7	0.7	0.6	4.0
1965	W	0.6	0.5	0.5	0.5	0.0	0.7	1.5	1.9	2.7	2.7	2.6	1.9	15.8
1966	BN	1.2	1.0	1.4	0.0	0.0	-0.1	-0.2	-0.2	-0.4	-0.6	-0.4	0.0	1.6
1967	W	0.0	0.0	0.0	0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2
1968	D	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
1969	W	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	BN	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
1972	D	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.4	0.5	0.5	0.5	0.3	2.6
1973	AN	0.2	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	1.3
1974	W	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.6	-0.3	0.3	0.1	-0.9
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.7
1976	C	0.1	0.0	0.0	-0.3	0.7	0.7	0.8	1.1	1.4	1.4	1.4	1.1	8.4
1977	C	0.8	0.7	0.7	0.0	0.0	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	1.3
1978	W	-1.7	0.3	0.2	0.0	-0.6	0.0	0.1	0.1	0.1	0.1	0.1	0.1	-1.3
1979	AN	0.0	0.0	0.0	0.3	0.2	0.0	0.0	-0.1	-0.2	-0.5	-0.7	-0.3	-1.2
1980	W	0.0	0.0	0.0	1.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	0.2
1981	D	-0.1	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	D	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
1986	W	0.0	0.0	0.0	0.4	0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
1987	C	-0.1	0.0	0.0	0.1	0.1	0.1	0.9	1.2	1.6	1.6	1.6	1.2	8.3
1988	C	0.9	2.1	2.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.8
1989	C	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-1.8
1990	C	-0.2	-0.2	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	0.0	-1.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	0.1	0.0	-0.1
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1	-1.0
1993	W	-0.1	0.0	0.0	0.0	0.3	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3
1994	C	0.0	0.0	0.0	-0.2	-0.1	-0.7	-1.1	-1.6	-2.0	-2.0	-1.9	-0.3	-10.0
Average		0.3	0.3	0.3	0.1	0.2	0.4	0.5	0.5	0.6	0.7	0.7	0.5	5.1
Maximum		6.6	5.8	5.5	2.1	5.9	5.4	6.9	8.7	11.1	11.6	11.5	8.8	66.5
Minimum		-4.7	-4.1	-3.9	-1.4	-1.7	-3.1	-2.3	-6.3	-8.0	-8.4	-8.0	-6.1	-22.9
Average by Year Type														
W		0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.3	0.4	0.5	0.6	0.3	3.4
AN		0.4	0.4	0.3	0.1	0.2	0.4	0.4	0.4	0.5	0.5	0.5	0.4	4.4
BN		0.4	0.3	0.3	0.0	0.0	-0.1	-0.2	-0.6	-0.8	-0.8	-0.8	-0.6	-2.8
D		0.2	0.2	0.2	0.1	1.2	1.4	1.9	2.1	2.7	2.8	2.8	2.1	17.5
C		0.6	0.6	0.6	0.0	0.1	0.2	0.3	0.5	0.6	0.6	0.6	0.6	5.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]S_SWP

Table C-34. South of Delta SWP Total Deliveries: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	1.2%	0.8%	0.7%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%	0.4%
1925	BN	0.7%	0.7%	0.7%	1.0%	0.9%	1.3%	1.2%	1.2%	1.2%	1.1%	1.1%	1.2%	1.1%
1926	D	1.2%	1.3%	1.3%	-0.1%	6.3%	3.3%	4.2%	1.6%	1.7%	1.6%	1.7%	1.7%	2.0%
1927	AN	1.6%	1.7%	1.7%	2.1%	0.7%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.1%	0.3%
1928	BN	-0.1%	-0.1%	-0.1%	1.3%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1929	C	0.0%	0.0%	0.0%	1.0%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	0.6%
1930	C	1.0%	1.0%	1.1%	0.0%	-0.1%	-0.2%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
1931	C	0.6%	0.6%	0.6%	-0.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%
1932	AN	0.3%	0.3%	0.3%	0.3%	1.2%	1.2%	1.3%	1.3%	1.3%	1.2%	1.2%	1.2%	1.0%
1933	D	1.1%	1.2%	1.3%	-2.3%	5.0%	5.3%	5.0%	5.0%	5.0%	4.9%	5.0%	5.1%	4.1%
1934	C	4.9%	5.2%	5.5%	-0.3%	-0.6%	3.3%	2.7%	2.7%	2.7%	2.6%	2.6%	2.6%	3.0%
1935	AN	2.6%	2.7%	2.8%	0.1%	0.9%	2.2%	2.1%	0.7%	0.7%	0.7%	0.8%	0.7%	1.0%
1936	AN	0.6%	0.7%	0.7%	0.0%	0.5%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%
1937	W	0.4%	0.5%	0.5%	2.3%	1.2%	3.7%	1.5%	1.6%	1.6%	1.5%	1.7%	1.4%	1.4%
1938	W	1.1%	1.1%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1940	AN	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1941	W	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	0.0%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1947	D	0.0%	-0.1%	-0.1%	3.7%	3.5%	4.8%	3.1%	3.0%	3.1%	3.1%	3.2%	3.1%	2.4%
1948	BN	3.1%	3.1%	3.2%	-0.2%	-2.4%	-1.1%	-1.3%	-1.9%	-1.9%	-1.9%	-1.9%	-1.9%	-0.8%
1949	BN	-1.8%	-1.9%	-2.0%	0.4%	0.1%	0.2%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	-0.2%
1950	BN	0.4%	0.5%	0.5%	-1.8%	-2.4%	-2.2%	-0.9%	-0.9%	-0.9%	-0.8%	-0.8%	-0.8%	-0.8%
1951	AN	-0.8%	-0.9%	-0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%
1955	D	0.0%	0.0%	0.0%	0.5%	0.6%	0.3%	0.3%	0.2%	0.3%	0.2%	0.4%	0.4%	0.2%
1956	W	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%
1957	BN	0.1%	0.0%	0.0%	-0.8%	0.5%	0.6%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
1958	W	0.1%	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1960	C	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
1961	C	0.1%	0.1%	0.1%	-0.6%	-0.5%	-0.5%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
1962	BN	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.8%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%
1963	AN	-0.2%	-0.2%	-0.2%	-1.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.1%
1965	W	0.2%	0.2%	0.2%	0.3%	0.0%	0.3%	0.6%	0.6%	0.7%	0.7%	0.7%	0.6%	0.5%
1966	BN	0.5%	0.5%	0.8%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%
1967	W	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
1973	AN	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.1%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%
1976	C	0.0%	0.0%	0.0%	-0.2%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
1977	C	0.3%	0.4%	0.4%	0.0%	0.0%	0.0%	-1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1978	W	-2.9%	0.6%	0.5%	0.0%	-0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1979	AN	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%
1980	W	0.0%	0.0%	0.0%	1.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	1.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%
1988	C	0.4%	1.1%	1.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
1989	C	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
1990	C	-0.1%	-0.1%	-0.1%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
1991	C	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%	-0.1%	-0.1%	0.0%	0.1%	0.0%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
1993	W	-0.1%	-0.1%	-0.1%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.3%	-0.5%	-0.5%	-0.5%	-0.5%	-0.5%	-0.1%	-0.3%
Average		0.2%	0.3%	0.3%	0.1%	0.3%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Maximum		4.9%	5.2%	5.5%	3.7%	6.3%	5.3%	5.0%	5.0%	5.0%	4.9%	5.0%	5.1%	4.1%
Minimum		-2.9%	-1.9%	-2.0%	-2.3%	-2.4%	-2.2%	-1.5%	-1.9%	-1.9%	-1.9%	-1.9%	-1.9%	-0.8%
Average by Year Type														
W		0.0%	0.1%	0.1%	0.3%	0.0%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
AN		0.3%	0.3%	0.3%	0.1%	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
BN		0.2%	0.2%	0.3%	0.0%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
D		0.2%	0.2%	0.2%	0.2%	1.4%	1.3%	1.2%	0.9%	0.9%	0.9%	1.0%	1.0%	0.8%
C		0.4%	0.5%	0.5%	0.0%	0.1%	0.3%	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.3%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]S_SWP

Table C-35. SWP Interruptible Deliveries: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0	0	0	0	0	105	39	0	0	0	0	0	144
1923	AN	0	0	0	128	3	0	0	0	0	0	0	0	131
1924	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	BN	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	D	0	0	0	0	131	0	0	0	0	0	0	0	131
1927	AN	0	0	0	0	45	134	11	0	0	0	0	0	190
1928	BN	0	0	0	0	29	134	17	0	0	0	0	0	180
1929	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	C	0	0	0	0	0	132	0	0	0	0	0	0	132
1931	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	AN	0	0	0	0	0	82	0	0	0	0	0	0	82
1933	D	0	0	0	129	134	134	0	0	0	0	0	0	397
1934	C	0	0	0	0	19	0	0	0	0	0	0	0	19
1935	AN	0	0	0	0	38	134	84	0	0	0	0	0	256
1936	AN	0	0	0	0	0	34	19	0	0	0	0	0	54
1937	W	0	0	0	0	0	48	69	32	0	0	0	0	149
1938	W	0	0	0	0	128	134	79	0	0	0	0	0	341
1939	D	0	0	31	131	57	40	0	0	0	0	0	0	259
1940	AN	0	0	0	0	0	91	0	0	0	0	0	0	91
1941	W	0	0	0	0	0	50	0	0	0	0	0	0	50
1942	W	0	0	50	132	134	134	20	0	0	0	0	0	470
1943	W	0	0	0	128	133	134	35	0	0	0	0	0	429
1944	BN	0	0	0	0	0	0	0	0	0	0	0	11	11
1945	AN	0	0	0	0	0	29	0	0	0	0	0	0	29
1946	AN	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	D	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	BN	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	BN	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	BN	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	AN	0	0	0	128	133	134	0	0	0	0	0	0	395
1952	W	0	0	0	0	0	50	0	0	0	0	0	0	50
1953	BN	0	0	50	132	0	131	0	0	0	0	0	0	313
1954	BN	0	0	0	0	33	134	0	0	0	0	0	0	167
1955	D	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	W	0	0	0	34	133	134	0	0	0	0	0	0	301
1957	BN	0	0	0	0	0	132	0	0	0	0	0	0	132
1958	W	0	0	0	0	89	134	79	0	0	0	0	0	301
1959	D	0	0	0	111	134	0	0	0	0	0	0	0	245
1960	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	C	0	0	0	0	0	20	0	0	0	0	0	0	20
1962	BN	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	AN	0	0	0	0	0	132	8	0	0	0	0	0	140
1964	D	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	W	0	0	0	0	0	0	7	0	0	0	0	0	7
1966	BN	0	0	0	128	133	134	0	0	0	0	0	0	395
1967	W	0	0	0	0	0	131	79	0	0	0	0	0	209
1968	D	0	78	128	131	134	134	0	0	0	0	0	0	605
1969	W	0	0	0	0	0	50	0	0	0	0	0	0	50
1970	AN	0	0	50	130	134	134	0	0	0	0	0	0	448
1971	BN	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	D	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	AN	0	0	0	0	128	134	0	0	0	0	0	0	262
1974	W	0	0	0	54	133	134	29	0	0	0	0	0	349
1975	W	0	0	0	1	133	134	19	0	0	0	0	0	287
1976	C	0	0	0	41	68	45	0	0	0	0	0	0	154
1977	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	W	0	0	0	0	50	50	0	0	0	0	0	0	100
1979	AN	0	0	0	0	128	134	0	0	0	0	0	0	262
1980	W	0	0	0	0	50	50	0	0	0	0	0	0	100
1981	D	0	0	0	39	134	134	0	0	0	0	0	0	307
1982	W	0	0	0	0	0	131	79	0	0	0	0	0	210
1983	W	0	0	126	50	50	50	0	0	0	0	0	0	276
1984	AN	0	0	50	133	134	134	0	0	0	0	0	0	451
1985	D	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	W	0	0	0	0	0	50	0	0	0	0	0	0	50
1987	C	0	0	0	0	0	134	0	0	0	0	0	0	134
1988	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	W	0	0	0	0	128	134	0	0	0	0	0	0	262
1994	C	0	0	0	0	0	0	0	0	0	0	0	0	0
Average		0	1	7	24	40	63	9	0	0	0	0	0	144
Maximum		0	78	128	133	134	134	84	32	0	0	0	11	605
Minimum		0	0	0	0	0	0	0	0	0	0	0	0	0
Average by Year Type														
W		0	0	9	20	58	92	27	2	0	0	0	0	207
AN		0	0	7	37	53	93	9	0	0	0	0	0	199
BN		0	0	4	22	16	55	1	0	0	0	0	1	100
D		0	7	14	49	66	40	0	0	0	0	0	0	177
C		0	0	0	3	5	21	0	0	0	0	0	0	29

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]SWP_Interr

Table C-36. SWP Interruptible Deliveries: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1925	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1926	D	0.0	0.0	0.0	-49.4	-3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-52.8
1927	AN	0.0	0.0	0.0	0.0	-5.1	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-2.9
1928	BN	0.0	0.0	0.0	0.0	21.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	22.4
1929	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	C	0.0	0.0	0.0	0.0	0.0	-1.7	0.0	0.0	0.0	0.0	0.0	0.0	-1.7
1931	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1932	AN	0.0	0.0	0.0	0.0	0.0	-14.9	0.0	0.0	0.0	0.0	0.0	0.0	-14.9
1933	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1934	C	0.0	0.0	0.0	0.0	-51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-51.0
1935	AN	0.0	0.0	0.0	0.0	-19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-19.4
1936	AN	0.0	0.0	0.0	0.0	0.0	20.8	9.8	0.0	0.0	0.0	0.0	0.0	30.6
1937	W	0.0	0.0	0.0	0.0	0.0	-2.2	-1.5	-2.3	0.0	0.0	0.0	0.0	-6.0
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	-0.8	0.0	-0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.2
1940	AN	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1941	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	AN	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	6.9
1946	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1947	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	AN	0.0	0.0	0.0	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4
1952	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	BN	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1955	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	W	0.0	0.0	0.0	-8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-8.2
1957	BN	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1958	W	0.0	0.0	0.0	0.0	82.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.8
1959	D	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
1960	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	C	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	9.9
1962	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
1964	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	W	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0
1966	BN	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4
1967	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	W	0.0	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5
1975	W	0.0	0.0	0.0	-27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-27.4
1976	C	0.0	0.0	0.0	30.8	1.8	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	31.8
1977	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1978	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1979	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.5
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.1	-1.1
Average		0.0	0.0	0.0	0.8	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	1.6
Maximum		0.0	0.0	0.0	50.4	82.8	20.8	9.8	0.0	0.0	0.0	0.0	0.0	82.8
Minimum		0.0	0.0	-0.8	-49.4	-51.0	-14.9	-1.5	-2.3	0.0	0.0	0.0	-1.1	-52.8
Average by Year Type														
W		0.0	0.0	0.0	-0.4	4.1	-0.1	0.3	-0.1	0.0	0.0	0.0	0.0	3.8
AN		0.0	0.0	0.0	2.3	-1.8	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.5
BN		0.0	0.0	0.0	4.2	1.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	6.1
D		0.0	0.0	-0.1	-4.3	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.7
C		0.0	0.0	0.0	1.9	-3.3	0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-1.0

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]SWP_Interr

Table C-37. SWP Interruptible Deliveries: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1926	D	0.0%	0.0%	0.0%	-100.0%	-2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-28.8%
1927	AN	0.0%	0.0%	0.0%	0.0%	-10.3%	0.0%	24.7%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%
1928	BN	0.0%	0.0%	0.0%	0.0%	273.5%	0.0%	8.7%	0.0%	0.0%	0.0%	0.0%	0.0%	14.2%
1929	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1930	C	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	-15.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.4%
1933	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1934	C	0.0%	0.0%	0.0%	0.0%	-73.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-73.2%
1935	AN	0.0%	0.0%	0.0%	0.0%	-33.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.0%
1936	AN	0.0%	0.0%	0.0%	0.0%	0.0%	155.1%	102.7%	0.0%	0.0%	0.0%	0.0%	0.0%	133.3%
1937	W	0.0%	0.0%	0.0%	0.0%	0.0%	-4.3%	-2.2%	-6.9%	0.0%	0.0%	0.0%	0.0%	-3.9%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	-2.6%	0.0%	-0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%
1940	AN	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
1941	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	0.0%	31.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	31.5%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1947	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1948	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1949	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1950	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1951	AN	0.0%	0.0%	0.0%	33.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.9%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1955	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1956	W	0.0%	0.0%	0.0%	-19.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.7%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1958	W	0.0%	0.0%	0.0%	0.0%	1427.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.0%
1959	D	0.0%	0.0%	0.0%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1960	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1961	C	0.0%	0.0%	0.0%	0.0%	0.0%	97.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	97.5%
1962	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1965	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	N/A
1966	BN	0.0%	0.0%	0.0%	65.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.7%
1967	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	112.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.9%
1975	W	0.0%	0.0%	0.0%	-97.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.7%
1976	C	0.0%	0.0%	0.0%	316.1%	2.8%	-1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.1%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1980	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.5%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	-100.0%
Average		0.0%	0.0%	0.0%	4%	20.3%	3.6%	2%	0%	0.0%	0.0%	0.0%	-1.4%	1.8%
Maximum		0.0%	0.0%	0.0%	316.1%	1427.9%	155.1%	102.7%	0.0%	0.0%	0.0%	0.0%	0.0%	133.3%
Minimum		0.0%	0.0%	-2.6%	-100.0%	-100.0%	-15.4%	-2.2%	-6.9%	0.0%	0.0%	0.0%	-100.0%	-100.0%
Average by Year Type														
W		0.0%	0.0%	0.0%	-0.2%	71.4%	-0.2%	-0.1%	-0.3%	0.0%	0.0%	0.0%	0.0%	1.7%
AN		0.0%	0.0%	0.0%	2%	-3.1%	12.3%	9%	0%	0.0%	0.0%	0.0%	0.0%	10.8%
BN		0.0%	0.0%	0.0%	5.4%	22.9%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%
D		0.0%	0.0%	-0.2%	-8.6%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.6%
C		0.0%	0.0%	0.0%	19.8%	-10.7%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.2%	-3.3%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

P:\US_Bureau_Reclamation\IDIQ_01CS20210B\DMC_Recirculation\Documents\Final Report\ReportTables\Vamp\Final Table\[VAMP_delivery.xls]SWP_Interr

Table C-38. CVP Tracy Pumping Plant Export: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	270	254	260	260	236	216	148	140	179	283	281	267	2,793
1923	AN	269	254	260	185	190	176	45	46	179	280	278	265	2,426
1924	C	266	188	194	260	193	46	45	46	45	46	101	144	1,573
1925	BN	157	78	227	184	234	46	163	129	164	182	217	260	2,041
1926	D	248	196	207	259	235	102	152	46	83	46	46	220	1,841
1927	AN	176	251	184	184	235	263	175	92	175	282	279	266	2,564
1928	BN	268	253	260	260	244	263	152	46	106	280	278	266	2,676
1929	C	222	253	260	260	192	46	45	46	62	60	117	170	1,731
1930	C	190	90	259	259	192	261	100	118	74	102	77	247	1,968
1931	C	216	167	147	226	118	46	45	46	45	46	71	139	1,311
1932	AN	173	104	259	259	197	96	67	69	123	158	236	255	1,997
1933	D	247	139	47	45	58	46	45	118	45	46	54	150	1,039
1934	C	125	45	255	228	36	48	45	46	45	46	57	171	1,146
1935	AN	184	187	207	184	48	259	89	47	151	132	275	256	2,020
1936	AN	207	153	77	184	140	130	45	46	138	231	276	262	1,888
1937	W	264	159	154	185	235	241	81	92	142	195	275	260	2,281
1938	W	263	252	46	46	42	102	45	46	179	281	278	266	1,845
1939	D	267	227	89	105	129	131	111	69	102	235	208	223	1,895
1940	AN	121	125	131	260	244	262	175	140	168	279	277	265	2,447
1941	W	266	244	259	260	235	245	152	118	179	283	280	267	2,786
1942	W	268	253	260	260	128	163	175	92	179	282	279	266	2,606
1943	W	268	253	260	260	142	86	152	46	129	282	279	266	2,421
1944	BN	267	230	258	260	227	245	89	92	139	278	252	263	2,600
1945	AN	140	252	184	185	235	263	126	118	179	280	278	266	2,504
1946	AN	266	253	260	260	160	168	142	140	179	281	278	266	2,652
1947	D	267	253	260	260	223	215	107	118	138	203	182	263	2,488
1948	BN	137	197	145	237	244	197	152	46	179	280	278	265	2,355
1949	BN	266	220	260	252	161	244	45	46	179	279	277	264	2,492
1950	BN	226	206	165	185	218	244	45	46	145	275	274	258	2,286
1951	AN	206	251	259	202	79	163	123	46	179	280	278	266	2,332
1952	W	266	203	185	185	244	263	89	92	179	282	280	266	2,534
1953	BN	268	253	260	154	145	111	147	69	179	281	278	266	2,409
1954	BN	267	253	260	260	236	263	163	129	179	283	280	266	2,837
1955	D	268	245	260	260	185	164	104	118	179	209	201	249	2,442
1956	W	194	220	259	185	244	264	148	46	179	281	279	266	2,564
1957	BN	267	253	260	260	170	162	161	129	179	283	280	267	2,668
1958	W	268	253	260	260	236	263	175	92	179	282	280	266	2,815
1959	D	268	253	260	260	152	161	108	129	179	282	279	266	2,595
1960	C	259	69	58	185	227	242	45	46	108	273	269	185	1,965
1961	C	218	245	259	237	235	181	98	46	105	280	278	234	2,416
1962	BN	185	108	260	235	236	263	123	129	163	281	279	266	2,526
1963	AN	267	253	260	260	236	262	152	118	179	283	280	267	2,814
1964	D	269	253	260	260	166	144	127	118	120	171	229	253	2,369
1965	W	153	234	259	259	235	178	175	140	179	283	281	267	2,642
1966	BN	269	253	260	260	236	263	127	129	179	282	279	266	2,803
1967	W	249	253	185	185	236	248	45	46	179	278	276	263	2,443
1968	D	265	252	245	86	108	162	134	129	145	282	279	257	2,344
1969	W	268	219	185	185	236	262	175	92	179	282	280	266	2,629
1970	AN	268	148	97	100	105	161	130	46	119	281	278	266	1,999
1971	BN	267	253	260	260	231	263	163	69	179	282	279	266	2,772
1972	D	268	253	260	260	231	263	45	118	179	280	278	265	2,699
1973	AN	224	253	260	260	236	263	162	92	163	282	279	266	2,740
1974	W	268	253	260	185	236	264	45	46	161	281	279	266	2,543
1975	W	267	253	260	260	236	193	175	92	179	282	279	266	2,742
1976	C	268	253	260	260	107	123	45	46	93	108	161	194	1,917
1977	C	171	103	46	50	42	46	45	46	172	181	84	150	1,135
1978	W	143	55	184	184	217	247	45	46	174	279	277	264	2,114
1979	AN	265	252	151	219	113	148	89	140	179	281	278	266	2,380
1980	W	267	253	260	260	145	86	122	46	141	282	279	266	2,405
1981	D	268	253	260	119	139	154	132	129	168	282	279	266	2,449
1982	W	252	253	185	185	236	262	175	92	179	282	279	266	2,647
1983	W	268	253	131	46	86	103	45	46	179	280	277	265	1,978
1984	AN	266	161	66	80	119	162	166	140	173	283	280	267	2,161
1985	D	268	253	260	260	196	180	102	46	105	278	276	264	2,488
1986	W	225	170	184	185	235	262	152	46	138	193	277	265	2,333
1987	C	266	253	259	260	229	130	45	118	65	56	73	179	1,932
1988	C	148	177	164	259	44	46	82	118	132	130	140	252	1,694
1989	C	190	109	132	179	42	259	45	46	83	275	267	259	1,887
1990	C	263	111	192	259	217	141	45	46	45	46	87	146	1,599
1991	C	181	57	61	98	77	260	45	46	103	46	53	245	1,271
1992	C	180	108	122	151	243	203	45	118	45	46	60	134	1,454
1993	W	187	104	239	184	235	263	163	69	179	282	279	266	2,451
1994	C	268	253	260	260	236	158	87	118	144	283	281	267	2,614
Average		234	204	207	209	181	185	106	83	143	228	235	246	2,263
Maximum		270	254	260	260	244	264	175	140	179	283	281	267	2,837
Minimum		121	45	46	45	36	46	45	46	45	46	46	134	1,039
Average by Year Type														
W		244	220	214	201	204	210	124	76	169	273	279	266	2,479
AN		217	207	190	201	167	198	120	91	163	258	275	264	2,352
BN		237	213	239	234	215	214	127	88	164	272	271	264	2,539
D		264	234	219	198	166	156	106	103	131	210	210	243	2,241
C		214	155	183	214	152	140	56	68	85	126	136	195	1,726

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]TracyPP

Table C-39. CVP Tracy Pumping Plant Export: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	6.6	-7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.7
1925	BN	-0.3	0.2	-0.1	-30.3	0.0	0.0	0.0	59.5	29.1	-34.7	-0.4	-1.3	21.8
1926	D	0.2	0.1	0.0	-0.1	-0.1	1.1	0.0	-71.4	7.0	0.0	0.0	0.4	-62.8
1927	AN	-3.2	0.1	0.0	0.0	10.9	100.6	0.0	0.0	0.0	0.2	0.1	0.1	108.7
1928	BN	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0
1929	C	-0.3	18.0	0.0	0.0	0.1	0.0	0.0	0.0	-1.4	1.3	5.0	-0.4	22.3
1930	C	4.1	22.4	0.0	0.0	2.3	-0.5	1.0	0.0	4.8	-2.7	-10.4	7.7	28.6
1931	C	0.0	2.5	1.3	-2.8	0.1	-23.3	0.0	0.0	0.0	0.0	7.0	2.5	-12.6
1932	AN	3.1	-7.4	0.0	0.0	11.7	-0.5	0.0	-59.5	0.4	0.0	16.4	-0.1	-35.9
1933	D	5.7	67.8	-0.3	-0.5	-0.6	0.0	0.0	0.0	0.0	0.0	0.4	-23.7	48.8
1934	C	-0.1	0.0	0.4	56.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	57.8
1935	AN	4.1	-8.1	0.3	0.0	-3.0	0.0	0.0	0.8	0.4	0.0	0.0	-0.2	-5.7
1936	AN	-2.6	5.1	-6.6	0.0	-0.3	-0.8	0.0	0.0	-0.1	2.6	-0.1	-0.2	-2.9
1937	W	-0.1	-4.8	5.0	0.0	0.0	-4.1	-0.5	0.0	2.1	-0.2	0.0	-0.1	-2.7
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
1939	D	0.0	1.0	0.3	0.5	0.5	-0.1	0.0	0.0	0.0	32.4	27.2	-3.4	58.4
1940	AN	3.2	-7.6	4.8	0.0	0.0	0.0	0.0	0.0	0.3	6.6	0.1	0.3	7.7
1941	W	0.1	1.9	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1
1943	W	0.0	0.0	0.0	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	47.6	0.0	92.2
1945	AN	-18.5	0.0	-75.0	0.0	0.0	-0.4	0.1	71.4	0.0	0.6	0.4	0.2	-21.2
1946	AN	0.4	0.1	0.0	0.1	72.5	-1.4	-0.5	0.0	0.0	-0.4	-0.3	-0.1	70.5
1947	D	-0.3	-0.1	0.0	68.2	0.5	-18.8	0.0	0.0	-0.1	-26.4	-26.2	-0.6	-3.7
1948	BN	-19.2	1.0	-7.7	-11.6	-0.1	-1.6	0.0	0.0	0.0	0.0	0.0	0.0	-39.2
1949	BN	17.1	-20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.9
1950	BN	10.3	-10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-0.1	-0.1	-0.2	0.2
1951	AN	10.3	0.0	0.0	-22.2	-1.0	0.0	0.0	0.0	0.0	-0.4	-0.3	-0.2	-13.8
1952	W	-0.3	4.6	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
1953	BN	0.0	0.0	0.0	-2.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.2	-0.1	-2.6
1954	BN	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	59.5	0.0	-0.2	-0.1	-0.1	58.7
1955	D	-0.1	-8.4	0.0	0.0	-1.2	-0.3	0.0	0.0	0.0	11.6	-45.6	3.9	-40.1
1956	W	11.1	16.6	0.0	0.0	0.0	3.1	0.0	0.0	0.0	63.6	-0.3	-0.1	93.9
1957	BN	-0.3	-0.1	0.0	0.0	-66.2	-6.8	0.1	0.0	0.0	0.4	0.3	0.1	-72.6
1958	W	0.3	0.1	0.0	0.0	0.0	-0.3	41.3	0.0	0.0	0.0	0.0	0.0	41.4
1959	D	0.0	0.0	0.0	27.4	7.1	0.0	0.0	0.0	0.0	-0.8	-0.6	-0.3	32.7
1960	C	18.8	-2.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	1.0	0.7	0.9	18.6
1961	C	0.0	0.7	0.7	0.1	0.0	4.4	0.0	0.0	0.0	-0.3	-0.2	-1.9	3.5
1962	BN	-1.3	13.6	0.0	17.1	0.0	0.3	0.0	0.0	-15.9	0.6	0.4	0.2	15.1
1963	AN	0.4	0.1	0.0	0.1	0.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0	8.1
1964	D	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	8.7	11.3	-4.1	-2.5	13.1
1965	W	2.1	0.4	0.0	0.0	0.0	-3.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.6
1966	BN	0.0	0.0	0.0	0.0	0.0	0.2	60.4	59.5	51.3	1.3	1.0	0.5	174.1
1967	W	35.2	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	-0.3	-0.2	-0.4	35.0
1968	D	-0.2	-0.1	-3.6	-2.1	-2.4	0.0	-0.1	0.0	0.0	-0.8	-0.6	-0.2	-10.0
1969	W	-0.6	-9.2	-0.1	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-10.0
1970	AN	0.0	-7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.1	-7.9
1971	BN	-0.2	-0.1	0.0	0.0	-4.4	0.0	0.0	0.0	0.0	-0.4	-0.3	-0.1	-5.5
1972	D	-0.3	-0.1	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.7
1973	AN	-30.9	0.0	0.0	75.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	44.4
1974	W	0.0	0.0	0.0	0.0	0.0	0.1	-106.9	0.0	0.0	0.0	0.0	0.0	-106.8
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	-0.9	0.2	0.0	0.0	0.0	0.8	-0.3	0.4	0.1
1977	C	-1.1	-0.2	0.0	0.1	0.0	-7.0	0.0	0.0	10.9	4.7	4.0	1.5	12.9
1978	W	-17.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	-0.1	-0.2	-12.8
1979	AN	-0.1	0.0	-88.1	84.2	-1.0	0.0	-76.3	0.0	0.0	-0.1	-0.1	0.0	-81.6
1980	W	-0.1	0.0	0.0	0.0	-22.3	0.0	0.0	0.0	0.5	0.0	0.0	0.0	-21.8
1981	D	0.0	0.0	0.0	3.5	0.0	0.9	-0.1	0.0	0.0	-0.4	-0.3	-0.2	3.4
1982	W	1.8	-0.1	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.1	2.1
1983	W	0.1	0.0	3.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
1984	AN	0.0	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1	0.0	-0.4	-0.2	-1.0
1985	D	-0.4	-0.1	0.0	0.0	0.1	-0.2	0.1	0.0	0.0	-0.1	0.0	-0.1	-0.8
1986	W	1.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	4.6
1987	C	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	-0.1	0.0	0.0	0.4
1988	C	-0.3	0.2	0.2	0.0	-4.5	0.0	0.0	0.0	0.5	0.6	0.4	0.0	-2.9
1989	C	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-1.7	0.0	-1.1
1990	C	0.0	3.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5	0.3	34.8
1991	C	2.4	11.9	-51.5	-0.6	-0.3	-0.3	0.0	0.0	31.9	-4.3	-65.1	-0.6	-76.6
1992	C	0.0	7.1	1.6	-1.4	-0.1	0.0	0.0	0.0	0.0	0.0	-8.8	6.7	5.0
1993	W	4.1	32.6	-4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	32.6
1994	C	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.2	-0.1	0.2
Average		0.5	1.9	-3.1	3.5	0.0	0.8	-1.1	1.6	1.8	1.5	-0.4	-0.1	7.1
Maximum		35.2	67.8	5.0	84.2	72.5	100.6	60.4	71.4	51.3	63.6	47.6	7.7	174.1
Minimum		-30.9	-20.9	-88.1	-30.3	-66.2	-23.3	-106.9	-71.4	-15.9	-34.7	-65.1	-23.7	-106.8
Average by Year Type														
W		1.9	2.5	0.2	0.0	-1.1	0.4	-3.3	0.0	0.1	3.2	0.0	0.0	3.9
AN		-2.4	-1.8	-11.8	9.8	6.4	7.5	-5.5	0.9	0.1	0.6	1.1	0.0	5.0
BN		0.5	-1.4	-0.7	-2.2	-5.9	-0.7	5.0	14.9	5.4	0.9	4.0	-0.1	19.9
D		0.4	5.5	-0.3	8.8	0.4	-1.6	0.0	-6.5	1.4	2.4	-4.5	-2.4	3.6
C		1.5	4.4	-3.3	3.2	-0.2	-1.6	0.1	0.0	2.9	0.1	-2.5	1.1	5.6

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]TracyPP

Table C-40. CVP Tracy Pumping Plant Export: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	4,391	4,265	4,227	4,232	4,254	3,520	2,487	2,274	3,000	4,600	4,563	4,486	46,299
1923	AN	4,376	4,260	4,225	3,010	3,426	2,857	750	750	3,000	4,553	4,516	4,461	40,186
1924	C	4,328	3,154	3,152	4,225	3,356	750	750	750	750	750	1,640	2,415	26,020
1925	BN	2,555	1,306	3,685	2,991	4,218	750	2,747	2,093	2,758	2,953	3,531	4,369	33,956
1926	D	4,028	3,299	3,359	4,219	4,232	1,661	2,547	750	1,403	750	750	3,701	30,698
1927	AN	2,866	4,219	2,992	2,995	4,225	4,279	2,947	1,500	2,935	4,591	4,545	4,477	42,571
1928	BN	4,357	4,255	4,224	4,228	4,246	4,278	2,547	750	1,784	4,561	4,523	4,465	44,216
1929	C	3,610	4,247	4,221	4,225	3,456	750	750	750	1,037	970	1,899	2,853	28,769
1930	C	3,096	1,518	4,209	4,211	3,450	4,238	1,676	1,911	1,248	1,652	1,253	4,154	32,615
1931	C	3,506	2,812	2,386	3,669	2,132	750	750	750	750	750	1,157	2,328	21,740
1932	AN	2,817	1,753	4,209	4,212	3,427	1,566	1,125	1,125	2,066	2,566	3,844	4,290	33,001
1933	D	4,010	2,328	770	733	1,046	750	750	1,911	750	750	883	2,514	17,196
1934	C	2,029	750	4,148	3,711	641	773	750	750	750	750	930	2,878	18,860
1935	AN	2,997	3,136	3,367	2,994	871	4,217	1,500	763	2,531	2,154	4,470	4,305	33,306
1936	AN	3,362	2,571	1,246	2,999	2,442	2,116	750	750	2,318	3,752	4,482	4,400	31,190
1937	W	4,294	2,674	2,500	3,001	4,235	3,914	1,360	1,500	2,385	3,167	4,465	4,362	37,857
1938	W	4,276	4,229	750	750	750	1,666	750	750	3,000	4,564	4,524	4,466	30,475
1939	D	4,336	3,811	1,444	1,710	2,324	2,126	1,859	1,125	1,722	3,824	3,376	3,750	31,408
1940	AN	1,969	2,102	2,129	4,221	4,235	4,254	2,947	2,274	2,830	4,542	4,508	4,457	40,468
1941	W	4,320	4,105	4,220	4,224	4,240	3,981	2,547	1,911	3,000	4,600	4,552	4,480	46,179
1942	W	4,364	4,257	4,224	4,229	2,306	2,646	2,947	1,500	3,000	4,587	4,542	4,475	43,076
1943	W	4,354	4,254	4,223	4,228	2,550	1,395	2,547	750	2,165	4,581	4,538	4,473	40,057
1944	BN	4,350	3,868	4,193	4,227	3,940	3,986	1,500	1,500	2,336	4,516	4,104	4,414	42,935
1945	AN	2,270	4,236	2,998	3,002	4,236	4,270	2,111	1,911	3,000	4,560	4,522	4,464	41,581
1946	AN	4,334	4,247	4,221	4,225	2,876	2,735	2,391	2,274	3,000	4,569	4,528	4,468	43,868
1947	D	4,340	4,249	4,222	4,226	4,015	3,496	1,798	1,911	2,328	3,306	2,966	4,412	41,269
1948	BN	2,224	3,313	2,350	3,857	4,235	3,203	2,547	750	3,000	4,551	4,515	4,461	39,006
1949	BN	4,327	3,696	4,220	4,102	2,899	3,965	750	750	3,000	4,535	4,502	4,445	41,191
1950	BN	3,672	3,468	2,678	3,003	3,924	3,964	750	750	2,441	4,469	4,452	4,334	37,905
1951	AN	3,352	4,225	4,214	3,278	1,424	2,644	2,075	750	3,000	4,561	4,522	4,464	38,510
1952	W	4,334	3,414	3,001	3,006	4,241	4,269	1,500	1,500	3,000	4,593	4,547	4,477	41,883
1953	BN	4,359	4,255	4,224	2,501	2,607	1,797	2,464	1,125	3,000	4,566	4,526	4,467	39,890
1954	BN	4,338	4,248	4,222	4,226	4,244	4,276	2,747	2,093	3,000	4,595	4,548	4,478	47,014
1955	D	4,360	4,115	4,224	4,228	3,340	2,660	1,755	1,911	3,000	3,403	3,273	4,187	40,457
1956	W	3,159	3,705	4,218	3,002	4,235	4,288	2,488	750	3,000	4,573	4,531	4,469	42,417
1957	BN	4,343	4,250	4,222	4,226	3,053	2,636	2,702	2,093	3,000	4,600	4,552	4,480	44,158
1958	W	4,364	4,257	4,224	4,229	4,249	4,276	2,947	1,500	3,000	4,593	4,547	4,477	46,662
1959	D	4,359	4,255	4,224	4,228	2,732	2,618	1,811	2,093	3,000	4,580	4,536	4,472	42,907
1960	C	4,204	1,155	943	3,007	3,940	3,941	750	750	1,814	4,436	4,380	3,113	32,434
1961	C	3,546	4,123	4,212	3,853	4,224	2,938	1,652	750	1,763	4,557	4,519	3,930	40,067
1962	BN	3,014	1,813	4,221	3,819	4,242	4,274	2,066	2,093	2,733	4,571	4,530	4,468	41,844
1963	AN	4,342	4,250	4,222	4,226	4,244	4,257	2,547	1,911	3,000	4,600	4,558	4,483	46,640
1964	D	4,370	4,259	4,225	4,229	2,890	2,341	2,135	1,911	2,010	2,775	3,729	4,254	39,129
1965	W	2,484	3,927	4,216	4,220	4,233	2,897	2,947	2,274	3,000	4,600	4,563	4,486	43,846
1966	BN	4,375	4,260	4,225	4,230	4,251	4,277	2,140	2,093	3,000	4,584	4,539	4,474	46,447
1967	W	4,051	4,253	3,003	3,008	4,246	4,036	750	750	3,000	4,523	4,494	4,426	40,540
1968	D	4,305	4,238	3,990	1,396	1,871	2,632	2,258	2,093	2,436	4,586	4,541	4,317	38,664
1969	W	4,353	3,683	3,003	3,008	4,247	4,267	2,947	1,500	3,000	4,593	4,547	4,477	43,626
1970	AN	4,359	2,483	1,578	1,634	1,899	2,611	2,189	750	1,994	4,566	4,526	4,466	33,055
1971	BN	4,338	4,248	4,222	4,226	4,165	4,280	2,747	1,125	3,000	4,588	4,543	4,475	45,956
1972	D	4,355	4,254	4,223	4,228	4,022	4,274	750	1,911	3,000	4,554	4,517	4,461	44,549
1973	AN	3,635	4,245	4,221	4,225	4,242	4,285	2,730	1,500	2,744	4,587	4,542	4,475	45,428
1974	W	4,354	4,253	4,223	3,008	4,247	4,287	750	750	2,712	4,577	4,534	4,471	42,165
1975	W	4,346	4,251	4,222	4,227	4,245	3,132	2,947	1,500	3,000	4,588	4,543	4,475	45,476
1976	C	4,355	4,254	4,223	4,228	1,866	2,008	750	750	1,562	1,749	2,619	3,256	31,620
1977	C	2,780	1,729	750	808	750	750	750	750	2,891	2,941	1,363	2,522	18,783
1978	W	2,331	924	2,989	2,991	3,903	4,018	750	750	2,924	4,533	4,501	4,443	35,057
1979	AN	4,313	4,241	2,459	3,557	2,033	2,400	1,500	2,274	3,000	4,565	4,525	4,466	39,334
1980	W	4,337	4,248	4,222	4,226	2,519	1,393	2,050	750	2,362	4,583	4,539	4,473	39,701
1981	D	4,351	4,253	4,223	1,938	2,510	2,511	2,219	2,093	2,819	4,588	4,543	4,475	40,521
1982	W	4,095	4,254	3,004	3,008	4,247	4,267	2,947	1,500	3,000	4,590	4,544	4,476	43,930
1983	W	4,356	4,254	2,126	750	1,551	1,670	750	750	3,000	4,547	4,512	4,459	32,725
1984	AN	4,324	2,698	1,071	1,294	2,070	2,627	2,787	2,274	2,915	4,600	4,552	4,480	35,692
1985	D	4,365	4,257	4,224	4,229	3,524	2,920	1,710	750	1,771	4,526	4,496	4,430	41,201
1986	W	3,664	2,860	2,999	3,002	4,237	4,263	2,547	750	2,314	3,139	4,513	4,459	38,747
1987	C	4,325	4,244	4,220	4,224	4,120	2,111	750	1,911	1,085	912	1,193	3,010	32,105
1988	C	2,409	2,979	2,669	4,216	772	750	1,386	1,911	2,212	2,114	2,281	4,243	27,943
1989	C	3,088	1,834	2,154	2,904	750	4,217	750	750	1,401	4,480	4,344	4,352	31,026
1990	C	4,272	1,869	3,130	4,218	3,915	2,294	750	750	750	750	1,409	2,458	26,566
1991	C	2,951	950	988	1,588	1,381	4,224	750	750	1,730	750	867	4,114	21,042
1992	C	2,931	1,810	1,990	2,458	4,220	3,309	750	1,911	750	750	968	2,245	24,092
1993	W	3,044	1,743	3,884	3,000	4,233	4,280	2,747	1,125	3,000	4,585	4,540	4,474	40,655
1994	C	4,352	4,253	4,223	4,227	4,246	2,575	1,469	1,911	2,415	4,600	4,566	4,488	43,326
Average		3,805	3,431	3,371	3,397	3,238	3,009	1,788	1,358	2,403	3,714	3,824	4,138	37,476
Maximum		4,391	4,265	4,227	4,232	4,254	4,288	2,947	2,274	3,000	4,600	4,566	4,488	47,014
Minimum		1,969	750	750	733	641	750	750	750	750	750	750	2,245	17,196
Average by Year Type														
W		3,963	3,690	3,474	3,267	3,648	3,423	2,085	1,242	2,843	4,436	4,532	4,464	41,069
AN		3,523	3,476	3,082	3,277	2,975	3,223	2,025	1,486	2,738	4,198	4,474	4,440	38,916
BN		3,854	3,582	3,890	3,803	3,835	3,474	2,142	1,434	2,754	4,424	4,405	4,444	42,043
D		4,289	3,938	3,557	3,215	2,955	2,544	1,781	1,678	2,203	3,422	3,419	4,089	37,091
C		3,486	2,605	2,976	3,486	2,701	2,274	949	1,113	1,432	2,057	2,212	3,272	28,563

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]TracyPP_cfs

Table C-41. CVP Tracy Pumping Plant Export: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	111.2	-121.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.4	-7.2
1925	BN	-5.0	2.9	-1.2	-492.0	-0.1	0.0	0.0	967.7	488.8	-563.7	-6.3	-21.5	369.6
1926	D	3.0	0.9	-0.4	-1.1	-2.0	17.9	0.0	-1,161.3	118.4	0.0	0.0	7.0	-1,017.6
1927	AN	-52.4	1.1	0.4	0.4	195.5	1,635.3	0.0	0.0	0.4	3.1	2.3	1.2	1,787.2
1928	BN	2.3	0.7	0.2	0.3	0.5	-0.9	0.0	0.0	0.0	-1.3	-1.0	-0.5	0.3
1929	C	-5.5	303.1	-0.1	-0.1	1.4	0.0	0.0	0.0	-23.3	21.5	80.9	-6.2	371.6
1930	C	65.9	375.7	-0.4	-0.5	41.2	-8.9	16.3	0.0	80.6	-43.4	-168.4	130.2	488.3
1931	C	-0.1	42.8	20.9	-45.6	2.5	-378.1	0.0	0.0	0.0	0.0	114.0	42.4	-201.3
1932	AN	50.9	-125.0	0.0	0.0	204.2	-8.2	0.0	-967.7	6.2	0.2	266.2	-1.8	-574.9
1933	D	92.1	1,139.8	-5.6	-8.6	-10.6	0.0	0.0	0.0	0.0	0.0	7.2	-398.4	815.9
1934	C	-2.1	0.0	7.3	916.3	0.0	-0.7	0.0	0.0	0.0	0.0	0.7	19.5	940.8
1935	AN	67.1	-135.8	5.5	-0.3	-54.1	0.0	0.0	13.4	6.0	0.7	-0.7	-4.0	-102.2
1936	AN	-41.6	86.0	-107.1	-0.1	-6.0	-12.6	0.0	0.0	-1.5	43.0	-1.8	-4.0	-45.6
1937	W	-1.8	-80.3	81.7	-0.2	-0.4	-67.0	-8.2	0.0	35.6	-3.0	-0.7	-1.6	-45.7
1938	W	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.7	0.4	1.1
1939	D	0.7	16.7	4.9	7.5	9.3	-1.4	-0.3	0.0	0.0	527.6	442.8	-57.8	950.0
1940	AN	52.4	-127.4	77.4	0.0	0.0	0.4	0.0	0.0	4.6	106.6	2.3	5.0	121.2
1941	W	2.3	32.5	0.2	0.3	0.5	194.8	0.0	0.0	0.0	0.0	0.0	0.0	230.6
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	-0.7	-0.4	-2.0
1943	W	-0.7	-0.2	-0.1	-0.1	-8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.5
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	724.8	774.3	0.0	1,499.1
1945	AN	-301.6	0.0	-1,219.8	0.0	0.0	-7.0	2.1	1,161.3	0.0	9.4	7.1	3.8	-344.8
1946	AN	7.1	2.3	0.7	0.8	1,305.7	-22.0	-8.8	0.0	0.0	-5.8	-4.4	-2.3	1,273.4
1947	D	-4.4	-1.4	-0.5	1,109.3	9.7	-305.9	0.0	0.0	-1.3	-429.6	-425.3	-9.9	-59.2
1948	BN	-311.6	17.3	-125.3	-188.9	-0.9	-26.6	0.0	0.0	0.0	-0.3	-0.3	-0.1	-636.8
1949	BN	277.9	-351.8	0.0	-0.1	-0.9	0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-74.6
1950	BN	167.5	-171.2	-0.2	0.0	0.0	-0.3	0.0	0.0	9.0	-1.9	-1.4	-3.2	-1.7
1951	AN	167.8	-0.5	-0.1	-360.8	-17.7	0.0	-0.5	0.0	0.0	-7.0	-5.3	-2.8	-226.8
1952	W	-5.3	76.6	-0.5	-0.6	-1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	69.8
1953	BN	0.0	0.0	0.0	-31.8	0.0	0.1	-0.5	0.0	0.0	-5.0	-3.8	-2.0	-43.1
1954	BN	-3.8	-1.2	-0.4	-0.4	-0.8	-0.6	0.0	967.7	0.0	-2.8	-2.1	-1.1	954.5
1955	D	-2.1	-140.6	-0.2	-0.2	-22.1	-4.2	0.7	0.0	0.0	188.1	-741.4	65.2	-656.9
1956	W	180.0	279.0	0.2	0.2	0.4	49.7	-0.3	0.0	0.0	1,034.1	-4.2	-2.2	1,536.8
1957	BN	-4.3	-1.3	-0.4	-0.5	-1,192.2	-110.3	0.9	0.0	0.0	5.7	4.4	2.3	-1,295.8
1958	W	4.4	1.4	0.4	0.5	0.9	-5.3	693.4	0.0	0.0	0.0	0.0	0.0	695.8
1959	D	0.0	0.0	0.0	445.1	127.2	0.0	0.3	0.0	0.0	-13.1	-9.9	-5.2	544.3
1960	C	306.5	-38.9	-4.1	-1.2	-1.9	-0.3	0.0	0.0	0.1	15.6	11.5	14.4	301.8
1961	C	0.2	12.1	10.7	0.9	0.5	71.3	0.2	0.0	0.4	-4.4	-3.3	-32.7	55.8
1962	BN	-20.8	229.2	-0.3	277.5	-0.7	5.0	0.4	0.0	-266.5	9.6	7.3	3.8	244.5
1963	AN	7.3	2.3	0.8	0.8	1.5	118.0	0.0	0.0	0.0	0.0	0.5	0.3	131.5
1964	D	0.5	0.2	0.1	0.1	0.0	0.0	-4.1	0.0	145.9	183.8	-67.4	-42.0	217.0
1965	W	34.5	7.2	0.0	0.0	0.1	-51.6	0.0	0.0	0.0	0.0	0.0	0.0	-9.8
1966	BN	0.0	0.0	0.0	0.0	0.0	3.6	1,014.7	967.7	861.5	20.9	15.9	8.4	2,892.7
1967	W	572.6	5.0	1.6	1.8	3.2	0.0	0.0	0.0	0.0	-4.5	-3.4	-7.5	568.9
1968	D	-3.4	-1.1	-58.8	-34.9	-41.8	0.0	-0.9	0.0	-0.2	-12.6	-9.5	-2.9	-166.2
1969	W	-9.6	-154.8	-1.0	-1.1	-1.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	-167.2
1970	AN	0.0	-123.8	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.4	-3.9	-2.9	-1.5	-131.9
1971	BN	-2.9	-0.9	-0.3	-0.3	-79.1	0.0	0.0	0.0	0.0	-6.2	-4.7	-2.5	-97.0
1972	D	-4.7	-1.5	-0.5	-0.5	16.1	0.6	0.0	0.0	0.0	1.4	1.1	0.6	12.5
1973	AN	-502.6	0.3	0.1	1,219.9	0.2	3.0	1.4	0.0	0.2	0.0	0.0	0.0	722.5
1974	W	0.0	0.0	0.0	0.0	0.0	1.8	-1,796.7	0.0	-0.7	0.0	0.0	0.0	-1,795.6
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	-15.7	3.6	0.0	0.0	0.0	12.4	-5.6	5.9	0.6
1977	C	-17.2	-3.4	0.0	1.4	0.0	-113.8	0.0	0.0	182.8	76.6	64.9	25.7	217.1
1978	W	-280.0	75.9	0.0	0.0	0.0	-0.6	0.0	0.0	5.9	-1.9	-1.5	-3.2	-205.5
1979	AN	-1.5	-0.5	-1,433.1	1,368.8	-18.6	-0.5	-1,282.4	0.0	0.0	-1.5	-1.2	-0.6	-1,371.1
1980	W	-1.2	-0.4	-0.1	-0.1	-387.1	0.0	0.0	0.0	9.1	0.0	0.0	0.0	-379.8
1981	D	0.0	0.0	0.0	56.5	0.0	14.7	-1.1	0.0	0.2	-7.0	-5.3	-2.8	55.1
1982	W	29.9	-1.7	-0.5	-0.6	-1.1	1.2	0.0	0.0	0.0	2.8	2.2	1.1	33.4
1983	W	2.2	0.7	53.2	0.0	24.1	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.1	79.7
1984	AN	-0.2	-3.0	-1.0	-1.6	-1.9	0.0	0.0	0.0	1.2	0.0	-6.1	-3.2	-15.8
1985	D	-6.1	-1.9	-0.6	-0.7	1.0	-3.6	0.9	0.0	0.7	-0.9	-0.7	-1.6	-13.7
1986	W	27.2	46.7	-0.1	-0.1	-0.1	0.5	0.0	0.0	0.0	1.4	0.6	0.3	76.4
1987	C	0.6	0.2	0.1	0.1	-0.1	6.9	0.0	0.0	-0.6	-1.0	0.7	0.0	7.0
1988	C	-4.9	3.3	3.6	0.0	-78.3	0.0	-0.1	0.0	8.5	9.4	6.2	-0.2	-52.6
1989	C	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	-1.6	0.1	-27.9	0.1	-17.0
1990	C	0.0	57.3	25.7	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	480.0	4.8	567.4
1991	C	38.3	200.1	-838.0	-10.1	-6.3	-4.9	0.0	0.0	536.8	-69.5	-1,059.4	-10.6	-1,223.6
1992	C	-0.6	119.5	25.3	-23.2	-1.6	-0.1	0.0	0.0	0.0	0.0	-143.5	113.1	88.9
1993	W	66.0	547.3	-76.4	0.1	0.3	0.8	0.0	0.0	0.0	4.3	3.2	1.7	547.3
1994	C	3.3	1.0	0.3	0.4	0.7	1.4	0.5	0.0	-0.1	0.0	-2.7	-1.4	3.3
Average		8.7	32.1	-50.4	57.6	-0.1	13.7	-18.8	26.7	30.2	24.8	-5.8	-2.5	116.2
Maximum		572.6	1,139.8	81.7	1,368.8	1,305.7	1,635.3	1,014.7	1,161.3	861.5	1,034.1	774.3	130.2	2,892.7
Minimum		-502.6	-351.8	-1,433.1	-492.0	-1,192.2	-378.1	-1,796.7	-1,161.3	-266.5	-563.7	-1,059.4	-398.4	-1,795.6
Average by Year Type														
W		31.0	41.7	2.9	0.0	-18.5	6.3	-55.6	0.0	2.5	51.7	-0.2	-0.6	61.2
AN		-39.1	-30.3	-191.2	159.1	114.9	121.9	-92.0	14.8	1.3	10.3	18.3	-0.7	87.3
BN		8.3	-23.0	-10.7	-36.4	-106.2	-10.8	84.6	241.9	91.1	15.0	65.2	-1.4	317.6
D		6.9	91.9	-5.6	142.9	7.9	-25.6	-0.4	-105.6	24.0	39.8	-73.5	-40.7	61.9
C		24.0	74.8	-54.4	52.4	-3.6	-26.5	1.1	0.0	49.0	1.1	-40.6	19.1	96.3

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]TracyPP_cfs

Table C-42. CVP Tracy Pumping Plant Export: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	3.7%	-3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%
1925	BN	-0.2%	0.2%	0.0%	-14.1%	0.0%	0.0%	0.0%	86.0%	21.5%	-16.0%	-0.2%	-0.5%	1.1%
1926	D	0.1%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	-60.8%	9.2%	0.0%	0.0%	0.2%	-3.3%
1927	AN	-1.8%	0.0%	0.0%	0.0%	4.9%	61.9%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	4.4%
1928	BN	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1929	C	-0.2%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.2%	2.3%	4.5%	-0.2%	1.3%
1930	C	2.2%	32.9%	0.0%	0.0%	1.2%	-0.2%	1.0%	0.0%	6.9%	-2.6%	-11.8%	3.2%	1.5%
1931	C	0.0%	1.5%	0.9%	-1.2%	0.1%	-33.5%	0.0%	0.0%	0.0%	0.0%	10.9%	1.9%	-0.9%
1932	AN	1.8%	-6.7%	0.0%	0.0%	6.3%	-0.5%	0.0%	-46.2%	0.3%	0.0%	7.4%	0.0%	-1.8%
1933	D	2.4%	95.9%	-0.7%	-1.2%	-1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	-13.7%	4.9%
1934	C	-0.1%	0.0%	0.2%	32.8%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.7%	5.3%
1935	AN	2.3%	-4.2%	0.2%	0.0%	-5.8%	0.0%	0.0%	1.8%	0.2%	0.0%	0.0%	-0.1%	-0.3%
1936	AN	-1.2%	3.5%	-7.9%	0.0%	-0.2%	-0.6%	0.0%	0.0%	-0.1%	1.2%	0.0%	-0.1%	-0.2%
1937	W	0.0%	-2.9%	3.4%	0.0%	0.0%	-1.7%	-0.6%	0.0%	1.5%	-0.1%	0.0%	0.0%	-0.1%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.4%	0.3%	0.4%	0.4%	-0.1%	0.0%	0.0%	0.0%	16.0%	15.1%	-1.5%	3.2%
1940	AN	2.7%	-5.7%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	2.4%	0.1%	0.1%	0.3%
1941	W	0.1%	0.8%	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19.1%	23.3%	0.0%	3.7%
1945	AN	-11.7%	0.0%	-28.9%	0.0%	0.0%	-0.2%	0.1%	154.8%	0.0%	0.2%	0.2%	0.1%	-0.8%
1946	AN	0.2%	0.1%	0.0%	0.0%	83.1%	-0.8%	-0.4%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	2.7%
1947	D	-0.1%	0.0%	0.0%	35.6%	0.2%	-8.0%	0.0%	0.0%	-0.1%	-11.5%	-12.5%	-0.2%	-0.1%
1948	BN	-12.3%	0.5%	-5.1%	-4.7%	0.0%	-0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%
1949	BN	6.9%	-8.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%
1950	BN	4.8%	-4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	-0.1%	0.0%
1951	AN	5.3%	0.0%	0.0%	-9.9%	-1.2%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.1%	-0.1%	-0.6%
1952	W	-0.1%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1953	BN	0.0%	0.0%	0.0%	-1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	-0.1%
1954	BN	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	86.0%	0.0%	-0.1%	0.0%	0.0%	2.1%
1955	D	0.0%	-3.3%	0.0%	0.0%	-0.7%	-0.2%	0.0%	0.0%	0.0%	5.9%	-18.5%	1.6%	-1.6%
1956	W	6.0%	8.1%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	29.2%	-0.1%	0.0%	3.8%
1957	BN	-0.1%	0.0%	0.0%	0.0%	-28.1%	-4.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	-2.6%
1958	W	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	30.8%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%
1959	D	0.0%	0.0%	0.0%	11.8%	4.9%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.2%	-0.1%	1.3%
1960	C	7.9%	-3.3%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.3%	0.5%	1.0%
1961	C	0.0%	0.3%	0.3%	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.8%	0.1%
1962	BN	-0.7%	14.5%	0.0%	7.8%	0.0%	0.1%	0.0%	0.0%	-8.9%	0.2%	0.2%	0.1%	0.6%
1963	AN	0.2%	0.1%	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	7.8%	7.1%	-1.8%	-1.0%	0.6%
1965	W	1.4%	0.2%	0.0%	0.0%	0.0%	-1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	90.2%	86.0%	40.3%	0.5%	0.4%	0.2%	6.6%
1967	W	16.5%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	1.5%
1968	D	-0.1%	0.0%	-1.5%	-2.4%	-2.2%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.2%	-0.1%	-0.4%
1969	W	-0.2%	-4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%
1970	AN	0.0%	-4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	-0.4%
1971	BN	-0.1%	0.0%	0.0%	0.0%	-1.9%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.2%
1972	D	-0.1%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1973	AN	-12.1%	0.0%	0.0%	40.6%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-70.5%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	-0.8%	0.2%	0.0%	0.0%	0.0%	0.7%	-0.2%	0.2%	0.0%
1977	C	-0.6%	-0.2%	0.0%	0.2%	0.0%	-13.2%	0.0%	0.0%	6.8%	2.7%	5.0%	1.0%	1.2%
1978	W	-10.7%	8.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	-0.1%	-0.6%
1979	AN	0.0%	0.0%	-36.8%	62.5%	-0.9%	0.0%	-46.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.3%
1980	W	0.0%	0.0%	0.0%	0.0%	-13.3%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	-0.9%
1981	D	0.0%	0.0%	0.0%	3.0%	0.0%	0.6%	-0.1%	0.0%	0.0%	-0.2%	-0.1%	-0.1%	0.1%
1982	W	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%
1983	W	0.0%	0.0%	2.6%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1984	AN	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%
1985	D	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.7%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	-0.1%	-0.1%	0.1%	0.0%	0.0%
1988	C	-0.2%	0.1%	0.1%	0.0%	-9.2%	0.0%	0.0%	0.0%	0.4%	0.4%	0.3%	0.0%	-0.2%
1989	C	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.6%	0.0%	-0.1%
1990	C	0.0%	3.2%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	51.6%	0.2%	2.2%
1991	C	1.3%	26.7%	-45.9%	-0.6%	-0.5%	-0.1%	0.0%	0.0%	45.0%	-8.5%	-55.0%	-0.3%	-5.7%
1992	C	0.0%	7.1%	1.3%	-0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.9%	5.3%	0.3%
1993	W	2.2%	45.8%	-1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	1.3%
1994	C	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%
Average		0.2%	3.0%	-1.6%	2.2%	0.5%	0.1%	0.1%	4.2%	1.8%	0.7%	0.1%	-0.1%	0.3%
Maximum		16.5%	95.9%	3.8%	62.5%	83.1%	61.9%	90.2%	154.8%	45.0%	29.2%	51.6%	5.3%	6.6%
Minimum		-12.3%	-8.7%	-45.9%	-14.1%	-28.1%	-33.5%	-70.5%	-60.8%	-8.9%	-16.0%	-55.0%	-13.7%	-5.7%
Average by Year Type														
W		0.8%	3.0%	0.2%	0.0%	-0.6%	0.1%	-2.0%	0.0%	0.1%	1.5%	0.0%	0.0%	0.2%
AN		-1.0%	-1.3%	-5.0%	6.7%	6.1%	4.5%	-3.3%	7.9%	0.1%	0.2%	0.5%	0.0%	0.1%
BN		-0.1%	0.1%	-0.4%	-1.0%	-2.5%	-0.4%	7.5%	21.5%	4.4%	0.3%	1.9%	0.0%	0.8%
D		0.2%	8.4%	-0.2%	4.3%	0.2%	-0.6%	0.0%	-5.5%	1.5%	1.5%	-1.6%	-1.4%	0.4%
C		0.6%	5.0%	-2.9%	1.9%	-0.6%	-2.8%	0.1%	0.0%	3.5%	-0.3%	-0.5%	0.7%	0.4%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]TracyPP

Table C-43. SWP Banks Pumping Plant Total Export: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	318	198	327	463	472	465	204	140	397	441	415	397	4,239
1923	AN	411	329	343	441	190	176	180	118	200	357	415	397	3,557
1924	C	297	118	224	208	193	18	21	118	18	182	116	98	1,610
1925	BN	116	141	227	186	314	18	169	129	237	152	18	242	1,949
1926	D	145	96	145	265	407	93	158	118	191	392	277	138	2,424
1927	AN	188	397	262	267	457	448	204	140	345	217	411	397	3,735
1928	BN	263	324	434	455	366	465	180	46	229	260	430	297	3,750
1929	C	211	210	270	262	192	97	45	118	18	246	26	72	1,764
1930	C	78	43	308	324	221	429	100	118	140	423	343	150	2,677
1931	C	123	43	118	226	118	56	18	118	18	288	146	104	1,375
1932	AN	74	64	331	358	289	278	44	129	18	127	18	169	1,898
1933	D	161	114	180	444	134	292	65	118	49	153	18	98	1,826
1934	C	145	67	255	279	311	64	18	118	18	173	19	71	1,537
1935	AN	85	146	207	282	225	416	89	20	361	300	365	397	2,893
1936	AN	323	172	185	449	485	440	177	118	325	441	392	376	3,882
1937	W	242	93	174	237	472	465	204	140	131	379	441	289	3,268
1938	W	315	397	472	244	440	399	180	118	397	411	411	427	4,213
1939	D	411	397	434	322	245	257	69	129	124	372	411	321	3,493
1940	AN	231	155	184	368	485	465	204	140	235	441	441	325	3,675
1941	W	336	184	452	523	472	414	180	118	103	411	411	427	4,031
1942	W	411	384	466	384	167	465	204	140	397	203	411	427	4,059
1943	W	411	397	451	477	172	465	180	118	297	198	441	397	4,005
1944	BN	364	108	196	299	280	284	72	140	239	441	441	374	3,239
1945	AN	258	353	262	281	472	367	126	118	274	425	391	389	3,714
1946	AN	381	305	351	507	17	388	142	140	248	441	415	381	3,716
1947	D	320	246	440	185	223	215	107	118	188	441	365	299	3,147
1948	BN	212	227	159	237	121	197	180	118	342	441	441	397	3,074
1949	BN	305	119	301	162	161	286	110	118	193	401	274	234	2,663
1950	BN	36	103	162	269	421	247	150	118	347	441	441	397	3,132
1951	AN	335	397	351	523	460	384	123	118	163	350	441	385	4,030
1952	W	313	268	442	523	485	465	89	140	397	329	347	427	4,226
1953	BN	411	348	440	329	156	406	147	69	397	265	411	427	3,805
1954	BN	411	397	346	445	306	437	192	129	161	354	393	397	3,968
1955	D	337	262	429	449	96	127	65	118	187	333	279	179	2,860
1956	W	111	172	351	296	485	465	148	118	397	411	411	427	3,791
1957	BN	411	313	207	289	419	448	161	129	247	338	353	397	3,713
1958	W	411	397	284	451	434	465	204	140	397	223	411	427	4,245
1959	D	411	334	363	455	210	70	108	129	245	411	441	397	3,574
1960	C	353	120	339	305	273	286	18	118	234	300	45	153	2,544
1961	C	77	173	259	245	396	240	98	118	225	266	382	278	2,757
1962	BN	213	216	262	133	472	399	123	80	239	396	441	385	3,360
1963	AN	411	394	316	449	432	391	180	118	228	273	411	397	3,999
1964	D	411	397	382	445	107	101	127	118	186	441	440	389	3,546
1965	W	292	281	347	389	472	237	204	136	200	285	428	397	3,669
1966	BN	366	397	470	509	266	330	127	129	201	337	430	352	3,915
1967	W	287	373	443	477	430	330	180	118	397	441	411	427	4,314
1968	D	411	397	386	328	329	352	134	129	145	302	412	394	3,721
1969	W	239	263	432	296	472	465	204	92	394	256	411	427	3,952
1970	AN	411	397	261	405	325	356	130	118	267	251	441	397	3,760
1971	BN	306	397	438	459	17	444	170	69	330	402	411	427	3,870
1972	D	411	365	425	446	231	430	45	118	182	313	424	252	3,640
1973	AN	215	397	317	460	472	465	162	140	311	368	405	397	4,111
1974	W	386	397	442	523	459	465	45	118	395	346	411	427	4,413
1975	W	411	391	432	397	472	193	202	140	389	411	411	427	4,275
1976	C	411	397	431	328	161	248	83	118	190	274	370	263	3,274
1977	C	209	177	137	109	59	68	18	46	102	219	18	88	1,250
1978	W	28	91	255	282	464	292	180	118	394	307	418	427	3,255
1979	AN	410	142	151	513	233	465	89	140	297	336	411	366	3,552
1980	W	339	233	431	389	485	246	146	118	332	265	411	427	3,822
1981	D	411	181	278	456	205	447	132	129	168	364	379	379	3,528
1982	W	263	397	430	296	472	465	204	140	397	411	411	427	4,314
1983	W	411	397	426	161	150	158	169	46	245	441	430	415	3,450
1984	AN	346	193	128	349	340	357	166	140	250	271	388	394	3,321
1985	D	336	397	433	336	196	180	102	118	227	441	411	363	3,538
1986	W	389	262	261	456	472	465	177	118	324	411	411	427	4,171
1987	C	411	173	182	344	229	187	18	118	48	433	406	294	2,841
1988	C	148	115	164	437	62	24	82	118	116	249	38	62	1,617
1989	C	39	155	160	195	36	317	45	118	18	441	386	266	2,175
1990	C	253	111	222	435	103	153	18	118	23	245	23	110	1,814
1991	C	76	26	84	80	77	322	45	46	77	163	18	64	1,078
1992	C	80	18	121	151	316	203	45	118	40	208	18	175	1,491
1993	W	80	18	239	296	469	456	192	129	397	441	415	396	3,529
1994	C	411	142	267	330	280	60	87	118	144	441	411	397	3,088
Average		282	244	305	348	302	309	126	116	230	334	339	324	3,256
Maximum		411	397	472	523	485	465	204	140	397	441	441	427	4,413
Minimum		28	18	84	80	17	18	18	20	18	127	18	62	1,078
Average by Year Type														
W		300	280	378	378	421	392	175	122	339	351	413	414	3,962
AN		291	274	261	404	349	385	144	121	251	328	382	369	3,560
BN		284	258	304	314	275	330	148	106	263	352	374	361	3,370
D		342	290	354	376	217	233	101	122	172	360	351	292	3,209
C		208	131	221	266	189	173	47	109	89	284	173	165	2,056

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP

Table C-44. SWP Banks Pumping Plant Total Export: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	30.1	-30.1	2.9	2.6	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.1	7.2
1925	BN	0.0	0.1	-0.1	-28.1	0.0	0.0	0.0	0.0	-34.1	-7.0	-8.7	4.9	-73.0
1926	D	11.2	-1.7	-1.9	-1.8	0.1	-0.8	0.0	0.0	54.2	-3.0	-29.7	-0.3	26.3
1927	AN	14.1	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.1	2.9	0.0	0.0	17.8
1928	BN	0.2	19.2	0.1	0.2	0.2	0.0	0.0	0.0	0.0	3.7	24.0	-1.4	46.1
1929	C	0.3	0.0	7.9	7.6	0.1	0.1	0.0	0.0	0.0	2.8	7.7	-0.8	25.7
1930	C	-4.2	3.3	-6.2	0.0	-1.4	0.0	1.0	0.0	2.6	-0.8	-10.8	0.0	-16.6
1931	C	0.0	1.5	6.8	-2.8	0.1	1.3	0.0	0.0	0.0	-0.4	-4.3	1.3	3.4
1932	AN	14.1	-14.7	0.0	0.0	-13.1	0.6	4.6	0.0	0.0	-8.9	0.0	0.1	-17.2
1933	D	-5.3	-68.0	5.5	0.0	1.4	-0.1	0.1	0.0	-5.8	0.0	0.0	23.9	-48.2
1934	C	1.0	-0.7	0.4	21.3	0.0	0.0	0.0	0.0	0.0	-1.7	0.0	2.4	22.7
1935	AN	12.7	0.4	0.3	0.0	-0.6	0.0	0.0	0.0	-0.6	7.9	8.6	0.0	28.7
1936	AN	7.5	5.6	-3.3	0.0	0.0	22.8	2.6	0.0	-0.3	0.0	-1.5	3.0	36.4
1937	W	31.1	-10.4	2.4	0.1	0.0	0.0	0.0	0.0	24.9	-3.4	0.0	0.3	44.9
1938	W	0.1	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
1939	D	0.0	0.0	0.0	0.0	-0.4	0.1	-0.2	0.0	-0.1	0.3	0.0	-0.1	-0.5
1940	AN	0.0	-3.6	6.3	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	-0.1	4.3
1941	W	0.4	-2.3	9.4	3.6	0.0	-4.6	0.0	0.0	1.1	0.0	0.0	0.0	7.5
1942	W	0.0	0.2	0.0	-1.5	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	-1.4
1943	W	0.0	0.0	0.3	-37.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-37.3
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	-0.3
1945	AN	2.1	-18.6	-46.3	5.8	0.0	0.8	0.1	0.0	3.2	-1.1	26.1	-1.5	-29.4
1946	AN	4.5	7.2	0.0	0.1	-5.9	2.4	-0.5	0.0	0.0	0.0	0.0	0.6	8.4
1947	D	-31.2	-4.0	4.7	-6.7	0.5	-41.8	0.0	0.0	-0.2	26.5	-23.3	28.6	-46.9
1948	BN	18.5	26.1	5.5	-11.6	0.0	-1.6	0.6	0.0	0.0	0.0	6.0	-0.1	43.4
1949	BN	18.3	4.5	0.2	-6.8	0.0	0.0	0.0	0.0	0.0	-3.7	-2.4	6.0	16.1
1950	BN	-7.4	1.4	14.7	0.0	0.0	0.2	0.1	0.0	1.6	0.0	23.0	0.0	33.6
1951	AN	8.0	0.0	0.0	0.0	-12.6	2.7	0.0	0.0	0.0	-2.3	0.0	0.2	-4.0
1952	W	0.2	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6
1953	BN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
1954	BN	0.0	0.0	0.7	0.0	0.0	0.0	0.0	59.5	0.0	8.5	-48.6	-0.1	20.0
1955	D	-21.9	2.6	0.1	0.1	0.1	0.1	0.6	0.0	0.0	0.0	43.9	3.2	28.8
1956	W	12.4	-21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0	0.0	25.7
1957	BN	0.0	19.3	-0.6	-66.3	108.3	-4.6	0.1	0.0	8.3	30.4	21.5	0.3	116.5
1958	W	0.0	4.3	21.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	25.6
1959	D	0.0	0.0	0.0	0.0	2.6	-1.3	0.0	0.0	-0.5	0.0	0.0	0.0	0.9
1960	C	-4.5	-2.6	-0.1	0.0	-0.1	-1.2	0.0	0.0	0.0	6.1	3.3	-0.4	0.6
1961	C	0.4	-0.7	1.2	0.0	0.0	-10.9	0.0	0.0	0.1	-24.5	-1.3	-0.1	-35.9
1962	BN	-0.1	-0.1	1.9	-0.3	0.0	-0.1	0.0	-0.4	50.9	-14.1	0.0	-1.2	36.5
1963	AN	0.0	0.2	0.0	0.1	0.2	-1.2	0.0	0.0	0.0	-0.1	0.0	0.0	-0.8
1964	D	0.0	0.0	-0.7	0.0	3.7	2.0	-0.2	0.0	-8.7	0.0	0.0	7.8	3.9
1965	W	9.9	-0.3	7.8	0.0	0.0	5.0	0.0	0.6	0.0	-2.8	1.8	0.0	22.0
1966	BN	128.4	0.0	0.1	0.2	-93.3	-115.4	60.4	0.0	-35.5	5.8	35.6	2.3	-11.5
1967	W	-3.3	-2.9	0.2	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.3
1968	D	0.0	0.0	0.6	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.5	-0.1	0.8
1969	W	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
1970	AN	0.0	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.1	-0.2	0.0	0.0	-1.5
1971	BN	-0.1	0.0	0.0	0.0	-4.1	0.0	-0.3	0.0	0.7	0.0	0.0	0.0	-3.8
1972	D	0.0	0.1	0.8	0.0	0.9	2.9	0.0	0.0	-1.9	-9.8	-9.8	22.3	5.7
1973	AN	18.4	0.0	-110.2	187.6	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	95.9
1974	W	0.1	0.0	8.5	0.5	0.0	0.0	-135.8	0.0	-0.1	137.0	0.0	0.0	10.1
1975	W	0.0	-6.6	0.0	5.1	0.0	0.0	0.0	0.0	7.4	17.3	0.0	0.0	23.2
1976	C	0.0	0.0	0.0	-8.5	0.6	-0.1	0.0	0.0	0.0	7.1	0.3	2.2	1.6
1977	C	0.8	-0.1	0.5	0.1	0.0	0.0	0.0	0.0	-10.9	0.0	0.0	-1.5	-11.0
1978	W	-0.4	1.7	-3.7	0.0	9.2	0.0	0.0	0.0	0.1	11.3	7.0	0.0	25.2
1979	AN	1.3	0.6	54.8	0.7	-0.5	0.0	-76.3	0.0	1.1	-4.1	0.0	-1.0	-23.5
1980	W	31.4	-8.0	111.3	-134.1	2.0	9.8	-0.1	0.0	1.6	0.1	0.0	0.0	13.9
1981	D	0.0	0.0	-0.3	2.2	0.0	0.0	-0.1	0.0	0.0	0.2	0.4	-0.1	2.4
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1984	AN	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.4	1.0	0.7
1985	D	0.4	0.0	0.0	-11.3	0.1	-0.2	0.1	0.0	0.1	0.0	0.0	-11.7	-22.6
1986	W	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1987	C	0.0	0.4	-0.2	0.2	0.0	1.7	0.0	0.0	-0.4	3.8	5.0	1.3	11.9
1988	C	-0.4	3.2	0.2	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.5	8.8
1989	C	-0.6	0.3	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-4.0	-0.3	-4.5
1990	C	-0.2	1.3	0.3	0.0	0.0	-31.9	0.0	0.0	0.0	0.0	-0.8	-0.3	-31.6
1991	C	-8.2	8.3	-21.6	-1.1	6.6	0.1	0.0	0.0	59.0	-40.9	0.0	0.9	3.0
1992	C	-0.4	0.0	2.8	-1.4	0.0	0.0	-48.0	0.0	18.5	0.9	0.0	0.1	-27.4
1993	W	-6.4	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.1
1994	C	0.0	0.5	-1.3	-0.1	-16.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-17.2
Average		3.9	-1.2	1.1	-1.1	-0.1	-2.2	-2.6	0.8	2.0	2.4	1.0	1.3	5.2
Maximum		128.4	26.1	111.3	187.6	108.3	22.8	60.4	59.5	59.0	137.0	43.9	28.6	116.5
Minimum		-31.2	-68.0	-110.2	-134.1	-93.3	-115.4	-135.8	-0.4	-35.5	-40.9	-48.6	-11.7	-73.0
Average by Year Type														
W		3.8	-2.3	7.6	-8.2	0.9	0.5	-6.8	0.0	1.7	9.7	0.4	0.0	7.4
AN		5.9	-1.6	-7.1	13.9	-2.3	2.0	-5.0	0.0	0.3	-0.4	2.3	0.2	8.3
BN		13.2	5.9	1.9	-9.4	0.9	-10.1	5.0	4.9	-0.7	2.0	4.2	0.9	18.6
D		-4.3	-6.5	0.8	-1.6	0.8	-3.6	0.0	0.0	3.4	1.3	-1.6	6.7	-4.5
C		0.9	-1.0	-0.4	1.1	-0.6	-2.6	-2.9	0.0	4.6	-2.9	-0.3	0.3	-3.7

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP

Table C-45. SWP Banks Pumping Plant Total Export: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	5,175	3,335	5,317	7,528	8,500	7,561	3,432	2,274	6,680	7,180	6,749	6,680	70,410
1923	AN	6,680	5,525	5,586	7,170	3,426	2,857	3,032	1,911	3,356	5,801	6,749	6,680	58,774
1924	C	4,831	1,984	3,639	3,378	3,356	300	358	1,911	300	2,968	1,879	1,640	26,544
1925	BN	1,887	2,364	3,685	3,026	5,651	300	2,837	2,093	3,985	2,474	300	4,068	32,670
1926	D	2,366	1,615	2,359	4,306	7,321	1,510	2,648	1,911	3,210	6,368	4,500	2,327	40,442
1927	AN	3,060	6,680	4,263	4,349	8,230	7,287	3,432	2,274	5,806	3,526	6,680	6,680	62,268
1928	BN	4,273	5,440	7,066	7,404	6,360	7,561	3,032	750	3,851	4,224	6,998	4,994	61,954
1929	C	3,424	3,524	4,386	4,261	3,456	1,572	750	1,911	300	4,004	425	1,202	29,217
1930	C	1,270	717	5,017	5,271	3,988	6,972	1,676	1,911	2,351	6,878	5,584	2,522	44,155
1931	C	1,993	723	1,916	3,669	2,132	916	300	1,911	300	4,688	2,379	1,744	22,672
1932	AN	1,202	1,072	5,387	5,816	5,030	4,518	743	2,093	300	2,057	300	2,832	31,351
1933	D	2,613	1,911	2,920	7,222	2,422	4,749	1,095	1,911	826	2,496	300	1,639	30,103
1934	C	2,362	1,126	4,148	4,538	5,595	1,048	300	1,911	300	2,807	302	1,194	25,632
1935	AN	1,386	2,455	3,367	4,582	4,049	6,760	1,500	323	6,066	4,872	5,943	6,678	47,982
1936	AN	5,246	2,896	3,010	7,303	8,437	7,153	2,969	1,911	5,453	7,180	6,373	6,321	64,253
1937	W	3,942	1,567	2,829	3,857	8,500	7,561	3,432	2,274	2,194	6,164	7,180	4,864	54,364
1938	W	5,131	6,680	7,678	3,969	7,929	6,494	3,032	1,911	6,680	6,680	6,680	7,180	70,044
1939	D	6,680	6,680	7,065	5,241	4,419	4,188	1,152	2,093	2,085	6,057	6,680	5,396	57,736
1940	AN	3,765	2,606	2,993	5,980	8,437	7,561	3,432	2,274	3,941	7,180	7,180	5,461	60,810
1941	W	5,462	3,099	7,347	8,500	8,500	6,740	3,032	1,911	1,731	6,680	6,680	7,180	66,862
1942	W	6,680	6,448	7,581	6,246	3,003	7,561	3,432	2,274	6,680	3,305	6,680	7,180	67,069
1943	W	6,680	6,680	7,340	7,761	3,091	7,561	3,032	1,911	4,996	3,220	7,180	6,678	66,130
1944	BN	5,918	1,823	3,189	4,860	4,873	4,615	1,208	2,274	4,009	7,180	7,180	6,284	53,415
1945	AN	4,201	5,925	4,263	4,565	8,500	5,967	2,111	1,911	4,602	6,911	6,358	6,534	61,848
1946	AN	6,190	5,128	5,703	8,251	300	6,313	2,391	2,274	4,166	7,180	6,749	6,406	61,053
1947	D	5,203	4,136	7,156	3,008	4,015	3,496	1,798	1,911	3,160	7,180	5,932	5,029	52,025
1948	BN	3,447	3,810	2,593	3,857	2,110	3,203	3,032	1,911	5,746	7,180	7,177	6,677	50,743
1949	BN	4,964	1,995	4,890	2,633	2,899	4,653	1,855	1,911	3,246	6,525	4,451	3,926	43,947
1950	BN	583	1,729	2,635	4,382	7,588	4,012	2,513	1,911	5,823	7,180	7,177	6,680	52,213
1951	AN	5,452	6,680	5,705	8,500	8,274	6,244	2,075	1,911	2,741	5,695	7,180	6,463	66,920
1952	W	5,092	4,510	7,194	8,500	8,437	7,561	1,500	2,274	6,672	5,350	5,640	7,180	69,911
1953	BN	6,680	5,846	7,162	5,343	2,803	6,595	2,464	1,125	6,680	4,308	6,680	7,180	62,867
1954	BN	6,680	6,680	5,621	7,241	5,511	7,105	3,232	2,093	2,701	5,761	6,389	6,678	65,691
1955	D	5,481	4,401	6,975	7,298	1,728	2,057	1,093	1,911	3,139	5,413	4,539	3,015	47,051
1956	W	1,804	2,885	5,704	4,813	8,437	7,561	2,488	1,911	6,680	6,680	6,680	7,180	62,823
1957	BN	6,680	5,268	3,369	4,698	7,550	7,291	2,702	2,093	4,154	5,501	5,738	6,677	61,720
1958	W	6,680	6,680	4,612	7,342	7,822	7,561	3,432	2,274	6,680	3,620	6,680	7,180	70,563
1959	D	6,680	5,620	5,905	7,403	3,783	1,132	1,811	2,093	4,112	6,680	7,180	6,680	59,079
1960	C	5,746	2,017	5,517	4,958	4,742	4,653	300	1,911	3,941	4,875	728	2,578	41,966
1961	C	1,246	2,902	4,220	3,979	7,139	3,909	1,652	1,911	3,788	4,320	6,213	4,675	45,956
1962	BN	3,467	3,636	4,262	2,162	8,500	6,490	2,066	1,302	4,014	6,437	7,180	6,471	55,987
1963	AN	6,680	6,629	5,141	7,295	7,770	6,357	3,032	1,911	3,831	4,438	6,680	6,680	66,444
1964	D	6,680	6,680	6,219	7,236	1,867	1,649	2,135	1,911	3,130	7,180	7,153	6,545	58,386
1965	W	4,750	4,724	5,640	6,320	8,500	3,849	3,432	2,208	3,366	4,642	6,964	6,680	61,075
1966	BN	5,953	6,680	7,641	8,283	4,797	5,361	2,140	2,093	3,382	5,486	7,001	5,908	64,724
1967	W	4,663	6,270	7,204	7,758	7,742	5,360	3,032	1,911	6,680	7,180	6,680	7,180	71,662
1968	D	6,680	6,680	6,283	5,342	5,727	5,724	2,258	2,093	2,436	4,914	6,693	6,629	61,459
1969	W	3,880	4,426	7,033	4,815	8,500	7,561	3,432	1,500	6,620	4,162	6,680	7,180	65,788
1970	AN	6,680	6,680	4,242	6,583	5,848	5,793	2,189	1,911	4,483	4,090	7,180	6,678	62,357
1971	BN	4,980	6,680	7,121	7,465	300	7,229	2,850	1,125	5,545	6,530	6,680	7,180	63,685
1972	D	6,680	6,130	6,911	7,252	4,022	7,001	750	1,911	3,052	5,084	6,892	4,232	59,917
1973	AN	3,500	6,680	5,160	7,484	8,500	7,561	2,730	2,274	5,231	5,991	6,584	6,668	68,363
1974	W	6,281	6,680	7,191	8,500	8,260	7,561	750	1,911	6,636	5,622	6,680	7,180	73,253
1975	W	6,680	6,570	7,031	6,462	8,500	3,132	3,393	2,274	6,530	6,680	6,680	7,180	71,112
1976	C	6,680	6,680	7,011	5,329	2,805	4,038	1,398	1,911	3,186	4,452	6,025	4,414	53,930
1977	C	3,398	2,978	2,231	1,766	1,054	1,109	300	750	1,717	3,562	300	1,473	20,638
1978	W	454	1,524	4,142	4,593	8,351	4,749	3,032	1,911	6,616	4,995	6,795	7,180	54,342
1979	AN	6,661	2,379	2,459	8,344	4,196	7,561	1,500	2,274	4,986	5,463	6,680	6,153	58,657
1980	W	5,508	3,920	7,016	6,319	8,437	4,006	2,454	1,911	5,586	4,307	6,680	7,180	63,324
1981	D	6,680	3,037	4,515	7,422	3,684	7,273	2,219	2,093	2,819	5,915	6,169	6,368	58,194
1982	W	4,269	6,680	7,001	4,815	8,500	7,561	3,432	2,274	6,680	6,680	6,680	7,180	71,753
1983	W	6,680	6,680	6,921	2,615	2,694	2,570	2,848	750	4,126	7,180	6,989	6,982	57,034
1984	AN	5,625	3,248	2,081	5,684	5,910	5,804	2,787	2,274	4,195	4,402	6,305	6,626	54,942
1985	D	5,464	6,680	7,039	5,464	3,524	2,920	1,710	1,911	3,808	7,180	6,680	6,098	58,479
1986	W	6,318	4,396	4,251	7,409	8,500	7,561	2,980	1,911	5,441	6,680	6,680	7,180	69,306
1987	C	6,680	2,903	2,963	5,596	4,120	3,035	300	1,911	799	7,041	6,600	4,941	46,889
1988	C	2,412	1,939	2,669	7,104	1,078	387	1,386	1,911	1,953	4,055	625	1,045	26,563
1989	C	628	2,613	2,608	3,165	650	5,150	750	1,911	300	7,180	6,280	4,466	35,701
1990	C	4,112	1,870	3,614	7,075	1,856	2,488	300	1,911	395	3,990	372	1,848	29,831
1991	C	1,240	440	1,358	1,300	1,381	5,244	750	750	1,291	2,647	300	1,082	17,785
1992	C	1,298	300	1,962	2,458	5,485	3,309	750	1,911	664	3,375	300	2,945	24,758
1993	W	1,303	300	3,884	4,813	8,444	7,417	3,232	2,093	6,680	7,180	6,749	6,659	58,753
1994	C	6,680	2,379	4,343	5,363	5,045	974	1,469	1,911	2,415	7,180	6,680	6,680	51,120
Average		4,582	4,099	4,965	5,652	5,382	5,020	2,111	1,889	3,863	5,428	5,507	5,439	53,938
Maximum		6,680	6,680	7,678	8,500	8,500	7,561	3,432	2,274	6,680	7,180	7,180	7,180	73,253
Minimum		454	300	1,358	1,300	300	300	300	323	300	2,057	300	1,045	17,785
Average by Year Type														
W		4,872	4,703	6,146	6,147	7,532	6,374	2,941	1,984	5,698	5,709	6,720	6,953	65,779
AN		4,738	4,613	4,240	6,565	6,208	6,267	2,423	1,966	4,226	5,342	6,210	6,204	59,002
BN		4,626	4,329	4,936	5,113	4,912	5,368	2,494	1,723	4,428	5,732	6,079	6,060	55,801
D		5,564	4,870	5,759	6,109	3,865	3,791	1,697	1,977	2,889	5,861	5,701	4,905	52,988
C		3,375	2,194	3,600	4,326	3,368	2,819	796	1,766	1,500	4,626	2,812	2,778	33,960

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_cfs

Table C-46. SWP Banks Pumping Plant Total Export: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	-0.3	0.0	0.0	0.0
1924	C	489.9	-506.5	46.6	42.3	0.0	0.0	0.6	0.0	0.0	10.0	16.5	1.0	100.3
1925	BN	0.6	1.0	-1.2	-457.4	0.0	0.0	0.1	0.0	-573.8	-113.4	-141.1	83.0	-1,202.2
1926	D	182.0	-29.1	-30.5	-29.2	2.2	-12.5	-0.2	0.0	910.5	-48.4	-483.3	-4.9	456.7
1927	AN	228.5	0.0	0.2	0.3	12.9	1.1	0.0	0.0	1.1	47.2	0.0	0.0	291.3
1928	BN	3.2	322.0	1.6	3.0	3.8	0.0	0.0	0.0	-0.1	60.2	389.5	-23.4	759.9
1929	C	4.9	-0.8	129.1	124.1	1.4	1.4	0.0	0.0	0.0	46.3	124.6	-13.2	417.9
1930	C	-68.5	55.9	-101.6	0.0	-25.6	0.1	16.3	0.0	42.9	-12.8	-176.2	0.7	-268.8
1931	C	-0.4	24.7	110.1	-45.6	2.5	21.9	0.0	0.0	0.0	-7.3	-70.5	22.5	57.8
1932	AN	228.6	-246.6	0.0	0.0	-227.2	9.7	78.1	0.0	0.0	-144.6	0.0	1.8	-300.3
1933	D	-85.5	-1,142.6	89.6	0.2	25.4	-2.1	1.5	0.0	-97.8	0.0	0.0	402.2	-809.1
1934	C	16.0	-11.5	7.3	346.5	0.2	0.0	0.0	0.0	0.0	-28.0	0.0	39.7	370.1
1935	AN	206.6	6.3	5.5	-0.1	-11.4	0.7	0.0	0.1	-9.5	127.8	140.2	0.0	466.3
1936	AN	122.1	93.3	-53.7	0.3	0.0	370.2	44.0	0.0	-4.5	0.0	-24.8	51.1	598.0
1937	W	505.0	-175.4	39.8	1.6	0.0	0.0	0.0	0.0	418.0	-55.5	0.0	5.2	738.8
1938	W	2.2	0.0	0.0	0.0	103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.3
1939	D	0.0	0.0	0.0	0.0	-7.9	1.6	-3.4	0.0	-2.2	4.5	0.0	-2.4	-9.7
1940	AN	0.5	-60.5	102.7	13.1	0.0	0.0	0.0	0.0	13.9	0.0	0.0	-1.1	68.6
1941	W	6.1	-39.1	153.0	58.1	0.0	-74.8	0.0	0.0	18.1	0.0	0.0	0.0	121.5
1942	W	0.0	3.9	0.7	-24.7	0.0	0.0	0.0	0.0	0.0	-3.1	0.0	0.0	-23.1
1943	W	0.0	0.0	4.1	-608.0	-2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-606.1
1944	BN	0.0	0.2	0.0	0.2	0.0	0.0	-5.9	0.0	0.1	0.0	0.0	0.1	-5.2
1945	AN	34.7	-311.8	-753.4	94.4	0.0	12.5	2.1	0.0	54.0	-18.2	424.5	-25.5	-486.9
1946	AN	72.8	121.4	-0.2	2.2	-106.7	39.2	-8.8	0.0	0.1	0.0	0.0	10.9	131.1
1947	D	-506.9	-67.7	75.9	-108.5	9.7	-679.8	0.0	0.0	-4.0	431.1	-379.4	480.7	-748.8
1948	BN	300.6	439.2	89.2	-188.9	0.4	-26.6	10.3	0.0	-0.1	0.0	97.5	-1.1	720.5
1949	BN	298.2	75.7	3.2	-109.8	-0.9	0.2	0.0	0.0	-0.3	-60.5	-39.5	100.7	267.0
1950	BN	-119.6	22.9	239.7	0.1	0.0	2.9	1.3	0.0	27.1	0.0	373.5	0.0	547.9
1951	AN	129.7	0.0	0.0	0.0	-226.1	44.2	-0.5	0.0	0.1	-36.7	0.0	2.5	-86.6
1952	W	3.5	-13.5	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	0.0	-10.5
1953	BN	0.0	-0.2	0.0	0.0	1.8	-0.2	-0.5	0.0	0.0	0.8	0.0	0.0	1.8
1954	BN	0.0	0.0	11.2	-0.4	-0.3	0.8	0.0	967.7	-0.1	138.6	-791.0	-1.8	324.8
1955	D	-355.9	44.2	0.9	1.5	2.0	1.5	9.7	0.0	0.2	-0.6	714.5	53.4	471.5
1956	W	201.4	-354.6	0.0	0.1	0.0	0.0	-0.3	0.0	0.0	560.6	0.0	0.0	407.1
1957	BN	0.0	323.5	-9.4	-1,079.0	1,949.4	-74.4	0.9	0.0	139.3	493.6	350.3	4.5	2,098.7
1958	W	0.0	72.5	342.9	2.2	2.5	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	419.2
1959	D	0.0	0.5	-0.4	0.0	47.7	-21.5	0.3	0.0	-8.1	0.0	0.0	0.0	18.5
1960	C	-73.8	-43.6	-1.2	-0.1	-1.3	-18.9	0.0	0.0	0.2	99.3	54.3	-6.0	8.8
1961	C	6.6	-11.6	18.7	0.4	0.6	-178.0	0.2	0.0	1.2	-399.0	-21.8	-1.7	-584.3
1962	BN	-2.4	-2.2	31.3	-4.2	0.0	-2.2	0.4	-5.8	855.1	-229.0	0.0	-20.8	620.2
1963	AN	0.0	3.9	0.0	0.8	4.1	-19.9	0.0	0.0	0.1	-1.4	0.0	0.0	-12.3
1964	D	0.0	0.0	-11.7	0.4	64.2	32.5	-4.1	0.0	-145.6	0.0	-0.3	131.9	67.4
1965	W	160.5	-5.7	127.0	0.0	0.0	80.7	0.0	10.5	0.2	-44.9	28.7	0.0	357.0
1966	BN	2,088.4	0.0	1.5	2.7	-1,680.4	-1,876.3	1,014.7	0.0	-596.9	94.4	579.4	38.3	-334.3
1967	W	-53.7	-49.4	2.5	5.4	8.3	-0.8	0.0	0.0	0.0	0.0	0.0	0.0	-87.6
1968	D	0.0	0.0	9.0	0.0	0.0	0.0	-0.9	0.0	-0.2	-1.5	8.1	-1.7	12.8
1969	W	-6.7	-0.3	-0.3	-0.4	0.0	0.0	0.0	0.0	-0.2	0.1	0.0	0.0	-7.8
1970	AN	0.0	0.0	-22.7	0.1	0.0	0.0	-0.1	0.0	1.3	-2.9	0.0	0.4	-23.9
1971	BN	-1.0	0.0	-0.1	-0.3	-73.6	0.5	-5.4	0.0	11.3	-0.5	0.0	0.0	-69.1
1972	D	0.0	2.1	13.3	0.6	16.1	47.7	0.0	0.0	-31.4	-158.8	-160.1	374.7	104.1
1973	AN	299.1	0.0	-1,792.0	3,051.5	0.0	0.0	1.4	0.0	0.7	-1.9	0.5	0.3	1,559.7
1974	W	1.8	0.0	137.9	7.7	0.4	0.0	-2,282.0	0.0	-2.0	2,227.5	0.0	0.0	91.3
1975	W	0.0	-110.2	0.4	83.0	0.0	0.0	-0.2	0.0	123.6	281.1	0.0	0.0	377.7
1976	C	0.0	0.0	0.6	-137.5	10.6	-1.8	-0.1	0.0	0.1	115.3	4.6	36.5	28.3
1977	C	13.0	-1.5	8.9	0.9	0.5	0.0	0.0	0.0	-182.8	0.8	0.0	-25.4	-185.7
1978	W	-6.5	28.5	-60.8	0.0	164.9	0.7	0.0	0.0	1.3	184.2	114.5	0.0	426.7
1979	AN	21.3	9.4	890.5	12.0	-9.7	0.0	-1,282.4	0.0	18.5	-65.9	0.0	-17.1	-423.5
1980	W	510.5	-134.1	1,809.7	-2,181.4	34.3	159.9	-2.4	0.0	27.2	1.4	0.0	0.0	225.1
1981	D	0.0	-0.3	-4.9	36.4	0.9	0.0	-1.1	0.0	0.2	3.6	6.5	-1.7	39.6
1982	W	0.5	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1983	W	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
1984	AN	-1.4	0.0	-0.3	0.5	0.0	0.0	0.0	0.0	3.6	-0.8	-7.0	17.3	12.0
1985	D	5.9	0.0	-0.2	-183.2	1.0	-3.6	0.9	0.0	2.1	0.0	0.0	-196.1	-373.3
1986	W	-0.1	2.3	0.4	2.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	4.5
1987	C	0.0	7.5	-4.1	3.5	-0.1	28.0	0.0	0.0	-6.2	62.5	81.3	21.0	193.5
1988	C	-7.3	53.3	3.6	0.0	0.2	0.7	-0.1	0.0	88.8	-0.5	0.0	9.0	147.6
1989	C	-9.4	5.8	-3.5	3.0	-0.1	0.0	0.0	0.0	0.0	0.0	-65.2	-4.4	-73.9
1990	C	-2.8	21.9	5.1	0.1	-0.4	-518.3	0.0	0.0	0.1	0.0	-13.6	-4.8	-512.8
1991	C	-133.1	140.3	-352.0	-17.9	118.3	1.1	0.0	0.0	991.4	-665.6	0.0	15.1	97.5
1992	C	-6.0	0.0	46.0	-23.2	-0.6	-0.1	-806.1	0.0	311.6	14.6	0.0	1.9	-461.9
1993	W	-104.5	0.0	-76.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-180.2
1994	C	0.0	9.2	-21.6	-1.4	-292.8	-1.1	0.5	0.0	-0.1	0.0	0.0	0.0	-307.3
Average		63.0	-19.6	17.3	-17.8	-1.1	-36.3	-44.1	13.3	32.9	39.8	15.5	21.3	84.1
Maximum		2,088.4	439.2	1,809.7	3,051.5	1,949.4	370.2	1,014.7	967.7	991.4	2,227.5	714.5	480.7	2,098.7
Minimum		-506.9	-1,142.6	-1,792.0	-2,181.4	-1,680.4	-1,876.3	-2,282.0	-5.8	-596.9	-665.6	-791.0	-196.1	-1,202.2
Average by Year Type														
W		61.0	-38.8	124.2	-132.7	15.6	8.3	-114.2	0.5	29.3	157.5	7.2	0.3	118.1
AN		95.9	-27.5	-115.9	226.8	-40.3	32.7	-83.3	0.0	5.7	-7.0	38.1	2.9	128.1
BN		214.0	98.5	30.6	-152.8	16.7	-164.6	84.7	80.2	-11.5	32.0	68.2	15.0	310.8
D		-69.1	-108.4	12.8	-25.6	14.7	-57.8	0.2	0.0	56.7	20.9	-26.7	112.4	-70.0
C		14.3	-16.1	-6.8	18.4	-11.7	-41.6	-49.3	0.0	77.9	-47.8	-4.1	5.7	-60.8

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_cfs

Table C-47. SWP Banks Pumping Plant Total Export: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	11.3%	-20.3%	1.3%	1.3%	0.0%	0.0%	0.2%	0.0%	0.0%	0.3%	0.9%	0.1%	0.4%
1925	BN	0.0%	0.0%	0.0%	-13.1%	0.0%	0.0%	0.0%	0.0%	-12.6%	-4.4%	-32.0%	2.1%	-3.6%
1926	D	8.3%	-1.8%	-1.3%	-0.7%	0.0%	-0.8%	0.0%	0.0%	39.6%	-0.8%	-9.7%	-0.2%	1.1%
1927	AN	8.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.5%
1928	BN	0.1%	6.3%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	1.4%	5.9%	-0.5%	1.2%
1929	C	0.1%	0.0%	3.0%	3.0%	0.0%	0.1%	0.0%	0.0%	0.0%	1.2%	41.5%	-1.1%	1.5%
1930	C	-5.1%	8.5%	-2.0%	0.0%	-0.6%	0.0%	1.0%	0.0%	1.9%	-0.2%	-3.1%	0.0%	-0.6%
1931	C	0.0%	3.5%	6.1%	-1.2%	0.1%	2.5%	0.0%	0.0%	0.0%	-0.2%	-2.9%	1.3%	0.3%
1932	AN	23.5%	-18.7%	0.0%	0.0%	-4.3%	0.2%	11.7%	0.0%	0.0%	-6.6%	0.0%	0.1%	-0.9%
1933	D	-3.2%	-37.4%	3.2%	0.0%	1.1%	0.0%	0.1%	0.0%	-10.6%	0.0%	0.0%	32.5%	-2.6%
1934	C	0.7%	-1.0%	0.2%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	0.0%	3.4%	1.5%
1935	AN	17.5%	0.3%	0.2%	0.0%	-0.3%	0.0%	0.0%	0.0%	-0.2%	2.7%	2.4%	0.0%	1.0%
1936	AN	2.4%	3.3%	-1.8%	0.0%	0.0%	5.5%	1.5%	0.0%	-0.1%	0.0%	-0.4%	0.8%	0.9%
1937	W	14.7%	-10.1%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	23.5%	-0.9%	0.0%	0.1%	1.4%
1938	W	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1939	D	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	-0.3%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.0%
1940	AN	0.0%	-2.3%	3.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%
1941	W	0.1%	-1.2%	2.1%	0.7%	0.0%	-1.1%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.2%
1942	W	0.0%	0.1%	0.0%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.1%	-7.3%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.8%	-5.0%	-15.0%	2.1%	0.0%	0.2%	0.1%	0.0%	1.2%	-0.3%	7.2%	-0.4%	-0.8%
1946	AN	1.2%	2.4%	0.0%	0.0%	-26.2%	0.6%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
1947	D	-8.9%	-1.6%	1.1%	-3.5%	0.2%	-16.3%	0.0%	0.0%	-0.1%	6.4%	-6.0%	10.6%	-1.5%
1948	BN	9.6%	13.0%	3.6%	-4.7%	0.0%	-0.8%	0.3%	0.0%	0.0%	0.0%	1.4%	0.0%	1.4%
1949	BN	6.4%	3.9%	0.1%	-4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	-0.9%	2.6%	0.6%
1950	BN	-17.0%	1.3%	10.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.5%	0.0%	5.5%	0.0%	1.1%
1951	AN	2.4%	0.0%	0.0%	0.0%	-2.7%	0.7%	0.0%	0.0%	0.0%	-0.6%	0.0%	0.0%	-0.1%
1952	W	0.1%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	86.0%	0.0%	2.5%	-11.0%	0.0%	0.5%
1955	D	-6.1%	1.0%	0.0%	0.0%	0.1%	0.1%	0.9%	0.0%	0.0%	0.0%	18.7%	1.8%	1.0%
1956	W	12.6%	-10.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.2%	0.0%	0.0%	0.7%
1957	BN	0.0%	6.5%	-0.3%	-18.7%	34.8%	-1.0%	0.0%	0.0%	3.5%	9.9%	6.5%	0.1%	3.2%
1958	W	0.0%	1.1%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
1959	D	0.0%	0.0%	0.0%	0.0%	1.3%	-1.9%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.0%
1960	C	-1.3%	-2.1%	0.0%	0.0%	0.0%	-0.4%	0.0%	0.0%	0.0%	2.1%	8.1%	-0.2%	0.0%
1961	C	0.5%	-0.4%	0.4%	0.0%	0.0%	-4.4%	0.0%	0.0%	0.0%	-8.5%	-0.3%	0.0%	-1.3%
1962	BN	-0.1%	-0.1%	0.7%	-0.2%	0.0%	0.0%	0.0%	-0.4%	27.1%	-3.4%	0.0%	-0.3%	1.1%
1963	AN	0.0%	0.1%	0.0%	0.0%	0.1%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	-0.2%	0.0%	3.6%	2.0%	-0.2%	0.0%	-4.4%	0.0%	0.0%	2.1%	0.1%
1965	W	3.5%	-0.1%	2.3%	0.0%	0.0%	2.1%	0.0%	0.5%	0.0%	-1.0%	0.4%	0.0%	0.6%
1966	BN	54.0%	0.0%	0.0%	0.0%	-25.9%	-25.9%	90.2%	0.0%	-15.0%	1.8%	9.0%	0.7%	-0.3%
1967	W	-1.1%	-0.8%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1968	D	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
1969	W	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	-19.7%	0.0%	-0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	-0.1%
1972	D	0.0%	0.0%	0.2%	0.0%	0.4%	0.7%	0.0%	0.0%	-1.0%	-3.0%	-2.3%	9.7%	0.2%
1973	AN	9.3%	0.0%	-25.8%	68.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%
1974	W	0.0%	0.0%	2.0%	0.1%	0.0%	0.0%	-75.3%	0.0%	0.0%	65.6%	0.0%	0.0%	0.2%
1975	W	0.0%	-1.6%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	1.9%	4.4%	0.0%	0.0%	0.5%
1976	C	0.0%	0.0%	0.0%	-2.5%	0.4%	0.0%	0.0%	0.0%	0.0%	2.7%	0.1%	0.8%	0.0%
1977	C	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	-9.6%	0.0%	0.0%	-1.7%	-0.9%
1978	W	-1.4%	1.9%	-1.4%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	3.8%	1.7%	0.0%	0.8%
1979	AN	0.3%	0.4%	56.8%	0.1%	-0.2%	0.0%	-46.1%	0.0%	0.4%	-1.2%	0.0%	-0.3%	-0.7%
1980	W	10.2%	-3.3%	34.8%	-25.7%	0.4%	4.2%	-0.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.4%
1981	D	0.0%	0.0%	-0.1%	0.5%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.3%	0.0%
1985	D	0.1%	0.0%	0.0%	-3.2%	0.0%	-0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	-3.1%	-0.6%
1986	W	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.3%	-0.1%	0.1%	0.0%	0.9%	0.0%	0.0%	-0.8%	0.9%	1.2%	0.4%	0.4%
1988	C	-0.3%	2.8%	0.1%	0.0%	0.0%	0.2%	0.0%	0.0%	4.8%	0.0%	0.0%	0.9%	0.5%
1989	C	-1.5%	0.2%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.1%	-0.2%
1990	C	-0.1%	1.2%	0.1%	0.0%	0.0%	-17.2%	0.0%	0.0%	0.0%	0.0%	-3.5%	-0.3%	-1.7%
1991	C	-9.7%	46.8%	-20.6%	-1.4%	9.4%	0.0%	0.0%	0.0%	330.5%	-20.1%	0.0%	1.4%	0.3%
1992	C	-0.5%	0.0%	2.4%	-0.9%	0.0%	0.0%	-51.8%	0.0%	88.4%	0.4%	0.0%	0.1%	-1.8%
1993	W	-7.4%	0.0%	-1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%
1994	C	0.0%	0.4%	-0.5%	0.0%	-5.5%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%
Average		1.8%	-0.2%	1.0%	0.0%	-0.4%	-0.7%	-0.9%	1.2%	6.4%	0.9%	0.5%	0.9%	0.1%
Maximum		54.0%	46.8%	56.8%	68.8%	34.8%	5.5%	90.2%	86.0%	330.5%	65.6%	41.5%	32.5%	3.2%
Minimum		-17.0%	-37.4%	-25.8%	-25.7%	-26.2%	-25.9%	-75.3%	-0.4%	-15.0%	-20.1%	-32.0%	-3.1%	-3.6%
Average by Year Type														
W		1.6%	-1.3%	2.4%	-1.6%	0.2%	0.3%	-3.8%	0.0%	1.4%	4.1%	0.1%	0.0%	0.2%
AN		4.7%	-1.4%	1.2%	5.1%	-2.4%	0.5%	-2.4%	0.0%	0.1%	-0.3%	0.6%	0.0%	0.2%
BN		4.4%	2.6%	1.2%	-3.4%	-0.9%	-2.3%	7.5%	7.1%	0.3%	0.6%	-1.3%	0.4%	0.4%
D		-0.9%	-3.6%	0.3%	-0.6%	0.6%	-1.5%	0.0%	0.0%	2.1%	0.2%	0.1%	4.8%	-0.2%
C		-0.3%	2.5%	-0.6%	0.4%	0.2%	-1.2%	-3.2%	0.0%	25.9%	-1.4%	2.6%	0.3%	-0.1%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP

Table C-48. SWP Banks Pumping Plant Export for CVP Wheeling: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	128	0	34	0	0	0	0	0	0	0	0	39	201
1923	AN	30	59	42	0	0	0	0	0	0	9	9	45	194
1924	C	36	0	0	0	0	0	0	0	0	1	0	0	37
1925	BN	0	0	0	0	40	0	0	0	0	49	0	0	88
1926	D	0	0	0	3	23	0	0	0	0	24	0	0	50
1927	AN	0	0	0	0	0	0	0	0	0	61	0	72	133
1928	BN	36	0	0	0	0	59	0	0	0	134	83	11	323
1929	C	0	0	0	0	0	0	0	0	0	2	0	0	2
1930	C	0	0	25	33	0	0	0	0	0	43	0	0	101
1931	C	0	0	0	0	0	0	0	0	0	5	0	0	5
1932	AN	0	0	36	49	0	0	0	0	0	23	0	0	109
1933	D	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	C	0	0	0	0	0	0	0	0	0	19	0	0	19
1935	AN	0	0	0	0	0	0	0	0	0	0	0	4	4
1936	AN	46	0	0	0	0	0	0	0	0	0	8	50	104
1937	W	1	0	0	0	0	0	0	0	0	23	48	9	81
1938	W	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	D	0	91	0	0	0	0	0	0	0	25	10	27	153
1940	AN	1	0	0	54	0	0	0	0	0	0	0	12	67
1941	W	116	0	0	0	0	0	0	0	0	0	0	0	116
1942	W	0	128	81	37	0	0	0	0	0	126	0	0	372
1943	W	0	0	0	45	0	0	0	0	0	30	0	43	118
1944	BN	66	0	0	0	0	0	0	0	0	0	0	47	113
1945	AN	16	0	0	0	0	0	0	0	0	0	2	66	84
1946	AN	47	0	46	0	0	0	0	0	0	0	0	43	135
1947	D	90	20	0	3	0	0	0	0	0	57	0	0	169
1948	BN	6	0	0	0	104	0	0	0	0	0	11	2	124
1949	BN	105	0	0	0	0	0	0	0	0	161	31	0	297
1950	BN	0	0	0	0	0	0	0	0	0	0	0	34	34
1951	AN	4	0	46	0	0	0	0	0	0	2	0	66	118
1952	W	60	0	0	0	0	105	0	0	0	98	72	0	335
1953	BN	0	52	99	0	0	0	0	0	0	19	0	0	170
1954	BN	5	0	123	0	35	0	0	0	0	0	0	36	199
1955	D	92	0	0	0	0	0	0	0	0	64	0	0	156
1956	W	0	0	46	0	0	0	0	0	0	0	0	0	46
1957	BN	0	128	0	0	0	0	0	0	0	38	39	63	269
1958	W	0	0	0	0	0	60	0	0	0	120	0	0	179
1959	D	0	98	0	0	0	0	0	0	0	0	0	50	149
1960	C	78	0	0	0	0	0	0	0	0	62	17	0	156
1961	C	0	0	0	0	0	0	0	0	0	109	69	0	178
1962	BN	0	0	1	0	0	0	0	0	0	5	0	64	70
1963	AN	0	56	28	0	0	0	0	0	0	42	8	38	172
1964	D	3	0	64	0	0	0	0	0	0	0	0	53	120
1965	W	0	0	44	65	0	0	0	0	0	96	0	71	276
1966	BN	15	0	0	39	15	33	0	0	0	9	13	84	208
1967	W	34	23	0	0	0	0	0	0	0	0	33	0	91
1968	D	0	92	3	0	0	0	0	0	0	15	22	75	207
1969	W	15	0	0	0	0	0	0	0	0	236	0	0	251
1970	AN	0	17	6	0	0	0	0	0	0	77	0	71	171
1971	BN	21	0	0	0	0	0	0	0	0	0	0	0	21
1972	D	0	150	0	0	0	0	0	0	0	83	38	0	270
1973	AN	0	0	29	0	0	0	0	0	0	17	21	62	129
1974	W	28	0	0	0	68	56	0	0	0	17	0	0	169
1975	W	0	111	0	0	66	0	0	0	0	3	0	0	181
1976	C	0	19	0	0	0	0	0	0	0	21	0	0	40
1977	C	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	W	0	0	0	0	0	0	0	0	0	125	0	0	125
1979	AN	79	0	0	0	0	0	0	0	0	67	0	62	208
1980	W	0	0	0	64	0	0	0	0	0	209	0	0	274
1981	D	0	50	0	0	0	0	0	0	0	10	16	69	144
1982	W	33	0	0	0	0	0	0	0	0	0	0	0	33
1983	W	0	0	0	0	0	0	0	0	0	116	2	51	169
1984	AN	108	0	0	0	0	0	0	0	0	36	17	76	236
1985	D	24	0	0	29	0	0	0	0	0	0	0	0	53
1986	W	110	1	0	0	0	0	0	0	0	0	0	0	111
1987	C	31	50	0	0	0	0	0	0	0	31	0	0	112
1988	C	0	0	0	0	0	0	0	0	0	8	0	0	8
1989	C	0	0	0	0	0	29	0	0	0	0	0	0	29
1990	C	43	0	0	0	0	0	0	0	0	0	0	0	43
1991	C	0	0	0	0	0	31	0	0	26	9	0	0	66
1992	C	0	0	0	0	36	0	0	0	0	54	0	0	90
1993	W	0	0	0	0	0	0	0	0	0	0	0	50	50
1994	C	44	34	0	0	13	0	0	0	0	0	0	75	166
Average		21	16	10	6	5	5	0	0	0	35	8	22	130
Maximum		128	150	123	65	104	105	0	0	26	236	83	84	372
Minimum		0	0	0	0	0	0	0	0	0	0	0	0	0
Average by Year Type														
W		26	13	10	11	7	11	0	0	0	60	8	13	159
AN		24	9	17	7	0	0	0	0	0	24	5	48	133
BN		21	15	19	3	16	8	0	0	0	35	15	28	160
D		19	46	6	3	2	0	0	0	0	25	8	25	134
C		14	6	2	2	3	4	0	0	2	23	5	5	66

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_CVP

Table C-49. SWP Banks Pumping Plant Export for CVP Wheeling: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2
1924	C	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
1925	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-7.0	-8.7	0.0	-15.6
1926	D	0.0	0.0	0.0	-0.9	-10.3	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-8.7
1927	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	-0.4	6.7
1928	BN	0.1	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	3.8	24.8	-0.8	27.5
1929	C	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.8	0.0	0.0	-2.6
1930	C	0.0	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	-3.4
1931	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
1932	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	-0.6
1933	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1934	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.7	0.0	0.0	-1.7
1935	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.1	-1.0	-4.1
1936	AN	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5	1.7	0.7
1937	W	-1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.3	2.0	0.1	-2.7
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.6
1940	AN	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1941	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0
1943	W	0.0	0.0	0.0	-37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-37.1
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.4
1945	AN	0.4	0.0	-24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-24.1
1946	AN	-11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	11.2
1947	D	-33.4	-1.3	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-9.4	0.0	0.0	-41.5
1948	BN	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	6.0
1949	BN	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	6.0	0.0	11.5
1950	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	-0.5
1951	AN	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
1952	W	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1953	BN	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.8
1954	BN	-0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	12.5
1955	D	-12.5	-2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	-13.9
1956	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-17.5	0.0	0.0	-17.5
1957	BN	0.0	17.5	0.0	0.0	-37.6	0.0	0.0	0.0	0.0	-21.2	1.7	0.4	-39.2
1958	W	0.0	-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-10.0
1959	D	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.0
1960	C	-3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.4	0.0	6.1
1961	C	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-24.4	0.1	0.0	-24.0
1962	BN	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.4	2.1
1963	AN	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.9	0.3	1.9
1964	D	-0.9	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.9
1965	W	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	-3.2	0.3
1966	BN	-2.2	0.0	0.0	38.9	-17.5	-10.8	0.0	0.0	0.0	0.0	0.0	0.6	9.0
1967	W	-1.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	2.6
1968	D	0.0	0.8	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1969	W	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
1970	AN	0.0	1.4	-1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
1971	BN	0.0	0.0	0.0	0.0	-4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.1
1972	D	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-14.7	-11.8	0.0	-26.6
1973	AN	0.0	0.0	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9
1974	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-90.5	0.0	0.0	-90.5
1975	W	0.0	26.1	0.0	0.0	-1.8	0.0	0.0	0.0	0.0	-5.5	0.0	0.0	18.8
1976	C	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	17.7
1977	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1978	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
1979	AN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.8	0.0	-0.9	-4.6
1980	W	0.0	0.0	-30.3	64.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	34.2
1981	D	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	D	0.0	0.0	0.0	-11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.1
1986	W	2.7	-1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.5
1987	C	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	25.7	-6.0	0.0	0.0	20.0
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
1994	C	0.2	-0.3	0.0	0.0	-16.3	0.0	0.0	0.0	0.0	0.0	0.0	-2.2	-18.6
Average		-0.7	0.7	-0.3	0.8	-1.2	-0.1	0.0	0.0	0.4	-2.5	0.2	0.5	-2.5
Maximum		6.2	26.1	28.9	64.3	0.0	0.9	0.0	0.0	25.7	7.0	24.8	22.8	34.2
Minimum		-33.4	-10.0	-30.3	-37.1	-37.6	-10.8	0.0	0.0	0.0	-90.5	-11.8	-3.2	-90.5
Average by Year Type														
W		0.0	0.9	-1.3	1.4	-0.1	0.0	0.0	0.0	0.0	-5.8	0.1	-0.2	-4.9
AN		-0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.3	1.6	1.1
BN		0.7	1.1	0.1	3.2	-4.9	-0.9	0.0	0.0	0.0	-1.9	2.0	1.0	0.3
D		-4.3	-0.2	-0.1	-0.8	-0.9	0.0	0.0	0.0	0.0	-1.8	-1.1	0.4	-8.9
C		-0.2	1.1	-0.2	0.0	-1.0	0.0	0.0	0.0	1.6	-1.7	0.2	-0.1	-0.3

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_CVP

Table C-50. SWP Banks Pumping Plant Export for CVP Wheeling: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1924	C	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-20.9%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.5%	-100.0%	0.0%	-15.0%
1926	D	0.0%	0.0%	0.0%	-24.4%	-30.8%	0.0%	0.0%	0.0%	0.0%	11.6%	0.0%	0.0%	-14.8%
1927	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.1%	0.0%	-0.5%	5.3%
1928	BN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%	2.9%	42.6%	-6.9%	9.3%
1929	C	0.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-62.5%	0.0%	0.0%	-56.3%
1930	C	0.0%	0.0%	-11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	-3.3%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%	4.0%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.5%	0.0%	0.0%	-0.6%
1933	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.3%	0.0%	0.0%	-8.3%
1935	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	-18.6%	-48.7%
1936	AN	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.6%	3.5%	0.7%
1937	W	-56.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.3%	4.3%	1.3%	-3.2%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	0.4%
1940	AN	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
1941	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.3%
1943	W	0.0%	0.0%	0.0%	-45.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-23.9%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.3%
1945	AN	2.3%	0.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-22.4%
1946	AN	-19.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	114.0%	9.1%
1947	D	-27.1%	-5.9%	0.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	-14.3%	0.0%	0.0%	-19.7%
1948	BN	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-6.0%	5.1%
1949	BN	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	24.1%	0.0%	4.0%
1950	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.4%	-1.4%
1951	AN	-12.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1953	BN	0.0%	-8.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.8%
1954	BN	-3.7%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	52.8%	6.7%
1955	D	-12.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	-8.2%
1956	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-27.7%
1957	BN	0.0%	15.8%	0.0%	0.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	-35.7%	4.6%	0.7%	-12.7%
1958	W	0.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.3%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.4%	2.7%
1960	C	-4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.8%	25.9%	0.0%	4.0%
1961	C	0.0%	0.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-18.3%	0.2%	0.0%	-11.9%
1962	BN	0.0%	0.0%	322.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19.3%	0.0%	0.7%	3.2%
1963	AN	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	12.7%	0.9%	1.1%
1964	D	-23.9%	0.0%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	-0.7%
1965	W	0.0%	0.0%	9.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.0%	-4.3%	0.1%
1966	BN	-13.0%	0.0%	0.0%	N/A	-53.6%	-24.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	4.6%
1967	W	-4.1%	21.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.0%	3.0%
1968	D	0.0%	0.9%	-18.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1969	W	-2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%
1970	AN	0.0%	8.7%	-18.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%
1971	BN	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-16.5%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.1%	-23.7%	0.0%	-9.0%
1973	AN	0.0%	0.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	28.9%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-84.6%	0.0%	0.0%	-34.9%
1975	W	0.0%	30.6%	0.0%	0.0%	-2.6%	0.0%	0.0%	0.0%	0.0%	-62.9%	0.0%	0.0%	11.6%
1976	C	0.0%	871.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	79.3%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.3%	0.0%	-1.4%	-2.1%
1980	W	0.0%	0.0%	-100.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.3%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	-27.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-17.2%
1986	W	2.5%	-62.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	N/A	0.0%	0.0%	1.4%
1987	C	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	N/A	-39.0%	0.0%	0.0%	43.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	1.0%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1994	C	0.5%	-0.8%	0.0%	0.0%	-55.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.9%	-10.1%
Average		-2.3%	9.4%	1.2%	-1.4%	-4.7%	-0.3%	0.0%	0.0%	0.0%	-5.9%	-1.7%	1.9%	-1.8%
Maximum		4.5%	871.0%	322.5%	0.8%	0.0%	0.8%	0.0%	0.0%	0.0%	19.3%	42.6%	114.0%	79.3%
Minimum		-56.2%	-100.0%	-100.0%	-45.1%	-100.0%	-24.6%	0.0%	0.0%	0.0%	-100.0%	-100.0%	-18.6%	-56.3%
Average by Year Type														
W		-3%	-5.5%	-4.5%	-2.4%	-0.1%	0.0%	0.0%	0.0%	0.0%	-13.7%	0.2%	-0.2%	-3.2%
AN		-2%	0.7%	-9.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	-7.4%	7.0%	-2.0%
BN		-1.1%	0.6%	26.9%	0.0%	-21.1%	-2.1%	0.0%	0.0%	0.0%	-2.1%	-2.5%	3.3%	-1.3%
D		-5.7%	-9.5%	-1.7%	-5.2%	-2.8%	0.0%	0.0%	0.0%	0.0%	-1.4%	-2.2%	0.7%	-6.0%
C		0%	58.0%	-0.7%	0.0%	-3.5%	0.0%	0.0%	0.0%	0.0%	-8.2%	1.6%	-0.2%	2.6%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

N/A: Divided by number of zero value.

P:\US_Bureau_Reclamation\IDIQ_01CS20210B\DMC_Recirculation\Documents\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_CVP

Table C-51. SWP Banks Pumping Plant Export for SWP: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	190	198	293	463	472	465	204	140	397	411	411	358	4,003
1923	AN	381	270	302	441	190	176	180	118	200	317	401	353	3,328
1924	C	261	118	224	208	193	18	21	118	18	45	115	98	1,436
1925	BN	116	141	227	186	274	18	169	129	237	18	18	242	1,775
1926	D	145	96	145	262	360	93	158	118	153	287	272	138	2,228
1927	AN	188	397	262	267	457	448	204	140	345	156	411	325	3,602
1928	BN	227	324	434	455	366	348	180	46	229	126	275	286	3,296
1929	C	211	209	270	262	192	97	45	118	18	18	18	72	1,529
1930	C	78	43	284	292	221	429	100	118	140	330	289	150	2,473
1931	C	123	43	118	226	118	56	18	118	18	99	134	104	1,173
1932	AN	74	64	295	308	289	278	44	129	18	18	18	169	1,704
1933	D	161	114	180	444	134	292	65	118	18	18	18	98	1,659
1934	C	145	67	255	279	311	64	18	118	18	18	18	71	1,383
1935	AN	85	146	207	282	225	416	89	20	361	254	365	393	2,843
1936	AN	277	172	185	449	485	440	177	118	325	411	353	326	3,717
1937	W	241	93	174	237	472	465	204	140	131	286	339	280	3,062
1938	W	315	397	472	244	440	399	180	118	397	411	411	397	4,183
1939	D	411	307	434	302	245	257	69	129	124	285	401	294	3,259
1940	AN	230	145	184	314	485	465	204	140	235	411	411	313	3,537
1941	W	220	184	452	523	472	364	180	118	103	411	411	397	3,835
1942	W	411	256	305	297	167	465	204	140	397	77	411	397	3,526
1943	W	411	397	451	341	172	465	180	118	297	168	411	354	3,766
1944	BN	298	104	196	299	280	284	72	140	239	411	411	327	3,060
1945	AN	233	353	262	281	472	367	126	118	222	394	379	323	3,529
1946	AN	334	305	305	507	17	388	142	140	248	411	411	338	3,546
1947	D	230	226	440	182	223	215	107	118	188	354	347	272	2,902
1948	BN	200	206	159	237	17	197	180	118	342	411	399	395	2,862
1949	BN	201	116	301	162	161	286	110	118	193	155	243	234	2,278
1950	BN	36	103	162	269	421	247	150	118	347	411	411	364	3,037
1951	AN	332	397	305	523	447	364	123	118	163	348	411	318	3,849
1952	W	253	268	442	523	485	254	89	140	397	231	275	397	3,756
1953	BN	411	296	242	309	156	406	147	69	397	246	411	397	3,486
1954	BN	406	397	223	445	271	437	192	129	161	323	362	361	3,708
1955	D	245	262	429	449	96	127	65	118	182	129	179	179	2,459
1956	W	111	172	305	296	485	465	148	118	397	411	411	397	3,716
1957	BN	411	185	207	289	419	444	161	129	247	256	290	334	3,372
1958	W	411	397	284	451	434	346	204	140	397	103	411	397	3,976
1959	D	411	236	363	455	210	70	108	129	245	411	411	347	3,395
1960	C	244	120	339	305	273	286	18	118	234	153	28	153	2,271
1961	C	77	173	259	245	396	240	98	118	225	70	313	277	2,491
1962	BN	213	216	261	133	472	399	123	80	239	361	411	321	3,229
1963	AN	411	338	288	449	432	391	180	118	228	231	403	360	3,827
1964	D	408	397	319	445	107	101	127	118	186	411	411	336	3,367
1965	W	229	281	303	324	472	223	204	136	200	189	411	326	3,298
1966	BN	351	397	470	431	251	296	127	129	187	298	398	267	3,604
1967	W	253	346	443	477	430	330	180	118	397	411	377	397	4,159
1968	D	411	306	336	308	329	352	134	129	145	285	359	319	3,413
1969	W	223	236	432	296	472	465	204	92	394	20	411	397	3,644
1970	AN	411	380	234	304	325	356	130	118	267	175	411	327	3,437
1971	BN	235	397	438	459	17	444	170	69	330	402	411	397	3,769
1972	D	411	215	425	446	231	430	45	118	182	195	320	252	3,269
1973	AN	215	397	288	460	472	465	162	140	311	321	380	334	3,947
1974	W	358	397	442	523	323	352	45	118	395	329	411	397	4,090
1975	W	411	279	432	397	340	193	202	140	389	407	411	397	3,998
1976	C	411	378	431	328	161	248	83	118	190	117	370	263	3,098
1977	C	209	177	137	109	59	68	18	46	65	84	18	88	1,078
1978	W	28	91	255	282	464	292	180	118	394	20	411	397	2,932
1979	AN	330	142	151	513	233	465	89	140	227	234	411	304	3,238
1980	W	339	233	431	324	485	246	146	118	332	20	411	397	3,484
1981	D	411	131	278	456	205	447	132	129	168	323	364	310	3,353
1982	W	229	397	430	296	472	465	204	140	397	411	411	397	4,251
1983	W	411	397	426	161	150	158	169	46	245	295	395	283	3,136
1984	AN	206	173	128	344	320	357	166	140	250	235	340	319	2,978
1985	D	312	397	433	295	196	180	102	118	227	411	411	363	3,443
1986	W	278	261	261	456	472	465	177	118	324	410	411	397	4,030
1987	C	380	123	182	344	229	187	18	118	18	363	360	294	2,615
1988	C	148	115	164	437	62	24	82	118	116	18	18	49	1,353
1989	C	39	155	160	195	36	288	45	118	18	411	351	266	2,081
1990	C	209	90	222	435	103	153	18	118	23	18	18	110	1,519
1991	C	76	26	84	80	77	291	45	46	18	18	18	64	844
1992	C	80	18	121	151	279	203	45	118	18	18	18	175	1,244
1993	W	80	18	239	296	469	456	192	129	397	411	411	346	3,444
1994	C	367	108	267	330	267	60	87	118	144	411	411	322	2,891
Average		258	226	292	337	293	298	126	116	225	247	316	293	3,028
Maximum		411	397	472	523	485	465	204	140	397	411	411	397	4,251
Minimum		28	18	84	80	17	18	18	20	18	18	18	49	844
Average by Year Type														
W		270	265	364	360	407	367	175	122	339	272	398	376	3,714
AN		265	263	243	389	346	384	144	121	243	280	365	322	3,363
BN		259	240	277	306	259	317	148	106	262	285	337	327	3,123
D		323	244	344	368	213	233	101	122	165	283	317	264	2,977
C		191	123	220	264	186	170	47	109	80	137	156	160	1,842

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_SWP

Table C-52. SWP Banks Pumping Plant Export for SWP: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
1924	C	29.9	-30.1	2.9	2.6	0.0	0.0	0.0	0.0	0.0	0.9	1.0	0.1	7.2
1925	BN	0.0	0.1	-0.1	-28.1	0.0	0.0	0.0	0.0	-34.1	0.0	0.0	4.9	-57.3
1926	D	11.2	-1.7	-1.9	-0.9	20.7	-0.8	0.0	0.0	16.4	-8.4	2.2	-0.3	36.5
1927	AN	14.1	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.1	-4.1	0.0	0.4	11.2
1928	BN	0.1	19.2	0.1	0.2	0.2	0.6	0.0	0.0	0.0	0.0	-2.5	-0.6	17.2
1929	C	0.3	-0.3	7.9	7.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.8	14.9
1930	C	-4.2	3.3	-3.1	0.0	-1.4	0.0	1.0	0.0	2.6	-1.3	0.3	0.0	-2.8
1931	C	0.0	1.5	6.8	-2.8	0.1	1.3	0.0	0.0	0.0	-1.1	0.4	1.3	7.5
1932	AN	14.1	-14.7	0.0	0.0	-13.1	0.6	4.6	0.0	0.0	0.0	0.0	0.1	-8.3
1933	D	-5.3	-68.0	5.5	0.0	1.4	-0.1	0.1	0.0	0.0	0.0	0.0	23.9	-42.4
1934	C	1.0	-0.7	0.4	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	24.4
1935	AN	12.7	0.4	0.3	0.0	-0.6	0.0	0.0	0.0	-0.6	9.2	11.7	1.0	34.2
1936	AN	7.0	5.6	-3.3	0.0	0.0	22.8	2.6	0.0	-0.3	0.0	0.0	1.3	35.7
1937	W	32.6	-10.4	2.4	0.1	0.0	0.0	0.0	0.0	24.9	-0.8	-1.2	0.2	47.7
1938	W	0.1	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
1939	D	0.0	-0.8	0.0	0.0	-0.4	0.1	-0.2	0.0	-0.1	0.4	0.0	0.0	-1.0
1940	AN	0.0	-4.4	6.3	0.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0	-0.1	3.1
1941	W	0.4	-2.3	9.4	3.6	0.0	-9.2	0.0	0.0	1.1	0.0	0.0	0.0	2.9
1942	W	0.0	0.2	-1.5	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	-1.7
1943	W	0.0	0.0	0.3	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.4	0.0
1945	AN	-0.1	-18.6	-21.8	5.8	0.0	0.8	0.1	0.0	-0.3	-1.1	29.8	-1.5	-6.9
1946	AN	16.0	7.2	0.0	0.1	-5.9	2.4	-0.5	0.0	0.0	0.0	0.0	-22.1	-2.8
1947	D	2.2	-2.7	4.7	-9.3	0.5	-41.8	0.0	0.0	-0.2	62.4	7.2	11.2	34.1
1948	BN	6.6	5.8	5.5	-11.6	0.0	-1.6	0.6	0.0	0.0	0.0	0.1	0.1	5.5
1949	BN	13.8	1.4	0.2	-6.8	0.0	0.0	0.0	0.0	0.0	-4.7	-8.4	6.0	1.5
1950	BN	-7.4	1.4	14.7	0.0	0.0	0.2	0.1	0.0	1.6	0.0	0.0	0.5	11.1
1951	AN	8.5	0.0	0.0	0.0	-25.1	-17.3	0.0	0.0	0.0	-2.3	0.0	0.2	-36.0
1952	W	0.2	-0.8	0.0	0.0	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	0.0	-2.4
1953	BN	0.0	4.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	4.9
1954	BN	0.2	0.0	0.5	0.0	0.0	0.0	0.0	59.5	0.0	-2.6	-48.6	-12.6	-3.6
1955	D	0.6	5.4	0.1	0.1	0.1	0.1	0.6	0.0	0.0	-1.5	122.1	3.2	130.8
1956	W	12.4	-21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	0.0	0.0	43.2
1957	BN	0.0	1.7	-0.6	-66.3	145.9	-9.2	0.1	0.0	41.6	42.3	-3.5	-0.2	151.8
1958	W	0.0	14.3	21.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6
1959	D	0.0	0.0	0.0	0.0	2.6	-1.3	0.0	0.0	-0.5	0.0	0.0	-3.9	-3.1
1960	C	-0.1	-2.6	-0.1	0.0	-0.1	-1.2	0.0	0.0	0.0	-0.6	0.0	-0.4	-5.1
1961	C	0.4	-0.7	0.9	0.0	0.0	-10.9	0.0	0.0	0.1	-0.1	-1.5	0.0	-11.7
1962	BN	-0.1	-0.1	1.0	-0.3	0.0	-0.1	0.0	-0.4	50.9	-45.6	0.0	-1.7	3.6
1963	AN	0.0	-0.6	0.0	0.1	0.2	-1.2	0.0	0.0	0.0	0.1	-0.9	-0.3	-2.7
1964	D	0.9	0.0	-0.5	0.0	3.7	2.0	-0.2	0.0	-8.7	0.0	0.0	7.6	4.8
1965	W	-0.3	-0.3	3.9	0.0	0.0	5.0	0.0	0.6	0.0	-2.4	0.0	3.2	9.7
1966	BN	130.6	0.0	0.1	-77.7	-75.8	-60.4	60.4	0.0	-49.3	5.8	46.6	1.7	-18.1
1967	W	-1.8	0.1	0.2	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.7
1968	D	0.0	-0.8	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.5	-0.1	-0.6
1969	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1970	AN	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.4	0.0	0.0	-1.7
1971	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.7	0.0	0.0	0.0	0.3
1972	D	0.0	0.2	0.8	0.0	0.9	2.9	0.0	0.0	-1.9	5.0	5.0	22.3	35.3
1973	AN	18.4	0.0	-139.1	187.6	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	67.0
1974	W	0.1	0.0	8.5	0.5	0.0	0.0	-135.8	0.0	-0.1	227.5	0.0	0.0	100.6
1975	W	0.0	-32.7	0.0	5.1	3.6	0.0	0.0	0.0	7.4	22.8	0.0	0.0	6.2
1976	C	0.0	-17.3	0.0	-8.5	0.6	-0.1	0.0	0.0	0.0	6.6	0.3	2.2	-16.2
1977	C	0.8	-0.1	0.5	0.1	0.0	0.0	0.0	0.0	1.2	0.0	0.0	-1.5	1.0
1978	W	-0.4	1.7	-3.7	0.0	9.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	6.8
1979	AN	1.2	0.6	54.8	0.7	-0.5	0.0	-76.3	0.0	1.6	-0.3	0.0	-0.1	-18.4
1980	W	31.4	-8.0	141.5	-198.5	3.9	29.8	-0.1	0.0	1.6	0.0	0.0	0.0	1.7
1981	D	0.0	0.1	-0.3	2.2	0.0	0.0	-0.1	0.0	0.0	0.2	0.4	-0.1	2.5
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	-0.4	1.0	0.7
1985	D	0.4	0.0	0.0	-0.2	0.1	-0.2	0.1	0.0	0.1	0.0	0.0	-11.7	-11.5
1986	W	-2.7	1.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	-1.3
1987	C	0.0	0.3	-0.2	0.2	0.0	1.7	0.0	0.0	0.0	7.8	1.2	1.3	12.1
1988	C	-0.4	3.2	0.2	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.1	8.4
1989	C	-0.6	0.3	-0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-4.5	-0.3	-5.1
1990	C	-0.2	1.4	0.3	0.0	0.0	-31.9	0.0	0.0	0.0	0.0	0.0	-0.3	-30.7
1991	C	-8.2	8.3	-21.6	-1.1	6.6	-0.1	0.0	0.0	0.0	0.0	0.0	0.9	-15.2
1992	C	-0.4	0.0	2.8	-1.4	-0.1	0.0	-48.0	0.0	0.0	0.0	0.0	0.1	-46.9
1993	W	-6.4	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.1
1994	C	-0.2	0.8	-1.3	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	2.2	1.4
Average		4.5	-2.1	1.4	-2.4	1.2	-1.6	-2.6	0.8	0.9	5.0	2.2	0.6	7.7
Maximum		130.6	19.2	141.5	187.6	145.9	29.8	60.4	59.5	50.9	227.5	122.1	23.9	151.8
Minimum		-8.2	-68.0	-139.1	-198.5	-75.8	-60.4	-135.8	-0.4	-49.3	-45.6	-48.6	-22.1	-57.3
Average by Year Type														
W		3.3	-2.9	8.9	-9.5	1.1	1.2	-6.8	0.0	1.7	14.9	-0.1	0.2	12.1
AN		6.6	-1.9	-7.3	13.9	-3.2	0.6	-5.0	0.0	0.1	0.1	2.9	-1.4	5.4
BN		12.0	2.9	1.8	-15.9	5.9	-5.9	5.0	4.9	0.9	-0.4	-1.4	-0.1	9.8
D		0.9	-6.2	0.8	-0.7	2.7	-3.6	0.0	0.0	0.5	5.3	12.5	4.7	16.9
C		1.1	-2.0	-0.2	1.1	0.4	-2.6	-2.9	0.0	0.6	0.8	-0.2	0.5	-3.5

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_SWP

Table C-53. SWP Banks Pumping Plant Export for SWP: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	13.0%	-20.3%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.9%	0.0%	0.5%
1925	BN	0.0%	0.0%	0.0%	-13.1%	0.0%	0.0%	0.0%	0.0%	-12.6%	0.0%	0.0%	2.1%	-3.1%
1926	D	8.3%	-1.8%	-1.3%	-0.4%	6.1%	-0.8%	0.0%	0.0%	12.0%	-2.9%	0.8%	-0.2%	1.7%
1927	AN	8.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	-2.6%	0.0%	0.1%	0.3%
1928	BN	0.0%	6.3%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	-0.9%	-0.2%	0.5%
1929	C	0.1%	-0.2%	3.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	1.0%
1930	C	-5.1%	8.5%	-1.1%	0.0%	-0.6%	0.0%	1.0%	0.0%	1.9%	-0.4%	0.1%	0.0%	-0.1%
1931	C	0.0%	3.5%	6.1%	-1.2%	0.1%	2.5%	0.0%	0.0%	0.0%	-1.1%	0.3%	1.3%	0.6%
1932	AN	23.5%	-18.7%	0.0%	0.0%	-4.3%	0.2%	11.7%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.5%
1933	D	-3.2%	-37.4%	3.2%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	32.5%	-2.5%
1934	C	0.7%	-1.0%	0.2%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	1.8%
1935	AN	17.5%	0.3%	0.2%	0.0%	-0.3%	0.0%	0.0%	0.0%	-0.2%	3.7%	3.3%	0.3%	1.2%
1936	AN	2.6%	3.3%	-1.8%	0.0%	0.0%	5.5%	1.5%	0.0%	-0.1%	0.0%	0.0%	0.4%	1.0%
1937	W	15.6%	-10.1%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	23.5%	-0.3%	-0.4%	0.1%	1.6%
1938	W	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1939	D	0.0%	-0.3%	0.0%	0.0%	-0.2%	0.0%	-0.3%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.0%
1940	AN	0.0%	-2.9%	3.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%
1941	W	0.2%	-1.2%	2.1%	0.7%	0.0%	-2.5%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.1%
1942	W	0.0%	0.1%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.1%	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
1945	AN	0.0%	-5.0%	-7.7%	2.1%	0.0%	0.2%	0.1%	0.0%	-0.1%	-0.3%	8.5%	-0.5%	-0.2%
1946	AN	5.0%	2.4%	0.0%	0.0%	-26.2%	0.6%	-0.4%	0.0%	0.0%	0.0%	0.0%	-6.1%	-0.1%
1947	D	1.0%	-1.2%	1.1%	-4.9%	0.2%	-16.3%	0.0%	0.0%	-0.1%	21.4%	2.1%	4.3%	1.2%
1948	BN	3.4%	2.9%	3.6%	-4.7%	0.0%	-0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1949	BN	7.4%	1.2%	0.1%	-4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.9%	-3.4%	2.6%	0.1%
1950	BN	-17.0%	1.3%	10.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.5%	0.0%	0.0%	0.1%	0.4%
1951	AN	2.6%	0.0%	0.0%	0.0%	-5.3%	-4.5%	0.0%	0.0%	0.0%	-0.6%	0.0%	0.0%	-0.9%
1952	W	0.1%	-0.3%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1953	BN	0.0%	1.6%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1954	BN	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	86.0%	0.0%	-0.8%	-11.8%	-3.4%	-0.1%
1955	D	0.3%	2.1%	0.0%	0.0%	0.1%	0.0%	0.9%	0.0%	0.0%	-1.1%	215.7%	1.8%	5.6%
1956	W	12.6%	-10.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.5%	0.0%	0.0%	1.2%
1957	BN	0.0%	0.9%	-0.3%	-18.7%	53.4%	-2.0%	0.0%	0.0%	20.3%	19.8%	-1.2%	0.0%	4.7%
1958	W	0.0%	3.7%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%
1959	D	0.0%	0.0%	0.0%	0.0%	1.3%	-1.9%	0.0%	0.0%	-0.2%	0.0%	0.0%	-1.1%	-0.1%
1960	C	-0.1%	-2.1%	0.0%	0.0%	0.0%	-0.4%	0.0%	0.0%	0.0%	-0.4%	0.0%	-0.2%	-0.2%
1961	C	0.5%	-0.4%	0.4%	0.0%	0.0%	-4.4%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	-0.5%
1962	BN	-0.1%	-0.1%	0.4%	-0.2%	0.0%	0.0%	0.0%	-0.4%	27.1%	-11.2%	0.0%	-0.5%	0.1%
1963	AN	0.0%	-0.2%	0.0%	0.0%	0.1%	-0.3%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.1%	-0.1%
1964	D	0.2%	0.0%	-0.2%	0.0%	3.6%	2.0%	-0.2%	0.0%	-4.4%	0.0%	0.0%	2.3%	0.1%
1965	W	-0.2%	-0.1%	1.3%	0.0%	0.0%	2.3%	0.0%	0.5%	0.0%	-1.2%	0.0%	1.0%	0.3%
1966	BN	59.1%	0.0%	0.0%	-15.3%	-23.2%	-16.9%	90.2%	0.0%	-20.8%	2.0%	13.3%	0.6%	-0.5%
1967	W	-0.7%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.1%	0.2%	0.0%	0.4%	0.7%	0.0%	0.0%	-1.0%	2.6%	1.6%	9.7%	1.1%
1973	AN	9.3%	0.0%	-32.5%	68.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%
1974	W	0.0%	0.0%	2.0%	0.1%	0.0%	0.0%	-75.3%	0.0%	0.0%	223.7%	0.0%	0.0%	2.5%
1975	W	0.0%	-10.5%	0.0%	1.3%	1.1%	0.0%	0.0%	0.0%	1.9%	5.9%	0.0%	0.0%	0.2%
1976	C	0.0%	-4.4%	0.0%	-2.5%	0.4%	0.0%	0.0%	0.0%	0.0%	6.0%	0.1%	0.8%	-0.5%
1977	C	0.4%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	-1.7%	0.1%
1978	W	-1.4%	1.9%	-1.4%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
1979	AN	0.4%	0.4%	56.8%	0.1%	-0.2%	0.0%	-46.1%	0.0%	0.7%	-0.1%	0.0%	0.0%	-0.6%
1980	W	10.2%	-3.3%	48.8%	-38.0%	0.8%	13.8%	-0.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	-0.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.3%	0.0%
1985	D	0.1%	0.0%	0.0%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	-3.1%	-0.3%
1986	W	-1.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%
1987	C	0.0%	0.2%	-0.1%	0.1%	0.0%	0.9%	0.0%	0.0%	0.0%	2.2%	0.3%	0.4%	0.5%
1988	C	-0.3%	2.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%	0.6%
1989	C	-1.5%	0.2%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	-0.1%	-0.2%
1990	C	-0.1%	1.6%	0.1%	0.0%	0.0%	-17.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-2.0%
1991	C	-9.7%	46.8%	-20.6%	-1.4%	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	-1.8%
1992	C	-0.5%	0.0%	2.4%	-0.9%	0.0%	0.0%	-51.8%	0.0%	0.0%	0.0%	0.0%	0.1%	-3.6%
1993	W	-7.4%	0.0%	-1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%
1994	C	-0.1%	0.8%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Average		2.1%	-0.5%	1.2%	-0.3%	0.3%	-0.5%	-0.9%	1.2%	0.8%	3.8%	3.1%	0.7%	0.2%
Maximum		59.1%	46.8%	56.8%	68.8%	53.4%	13.8%	90.2%	86.0%	27.1%	223.7%	215.7%	32.5%	5.6%
Minimum		-17.0%	-37.4%	-32.5%	-38.0%	-26.2%	-17.2%	-75.3%	-0.4%	-20.8%	-11.2%	-11.8%	-6.1%	-3.6%
Average by Year Type														
W		1.4%	-1.5%	3.0%	-1.8%	0.3%	0.6%	-3.8%	0.0%	1.3%	12.1%	0.0%	0.1%	0.3%
AN		4.9%	-1.5%	1.3%	5.1%	-2.6%	0.1%	-2.4%	0.0%	0.1%	0.0%	0.8%	-0.4%	0.1%
BN		4.4%	1.2%	1.2%	-4.7%	2.5%	-1.6%	7.5%	7.1%	1.2%	0.6%	-0.3%	0.1%	0.2%
D		0.6%	-3.5%	0.3%	-0.4%	1.1%	-1.5%	0.0%	0.0%	0.6%	1.8%	20.0%	4.2%	0.6%
C		-0.2%	2.2%	-0.5%	0.4%	0.6%	-1.2%	-3.2%	0.0%	0.5%	0.5%	0.0%	0.3%	-0.2%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

N/A: Divided by number of zero value.

P:\US_Bureau_Reclamation\IDIQ_01CS20210B\DMC_Recirculation\Documents\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_SWP

Table C-54. SWP Banks Pumping Plant Export for EWA: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0	0	0	0	0	0	0	0	0	31	4	0	35
1923	AN	0	0	0	0	0	0	0	0	0	31	4	0	35
1924	C	0	0	0	0	0	0	0	0	0	137	0	0	137
1925	BN	0	0	0	0	0	0	0	0	0	85	0	0	85
1926	D	0	0	0	0	23	0	0	0	38	81	4	0	146
1927	AN	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	BN	0	0	0	0	0	59	0	0	0	0	72	0	131
1929	C	0	0	0	0	0	0	0	0	0	226	8	0	234
1930	C	0	0	0	0	0	0	0	0	0	49	54	0	104
1931	C	0	0	0	0	0	0	0	0	0	184	13	0	197
1932	AN	0	0	0	0	0	0	0	0	0	85	0	0	85
1933	D	0	0	0	0	0	0	0	0	31	135	0	0	166
1934	C	0	0	0	0	0	0	0	0	0	135	0	0	135
1935	AN	0	0	0	0	0	0	0	0	0	46	0	0	46
1936	AN	0	0	0	0	0	0	0	0	0	31	31	0	61
1937	W	0	0	0	0	0	0	0	0	0	70	55	0	125
1938	W	0	0	0	0	0	0	0	0	0	0	0	30	30
1939	D	0	0	0	20	0	0	0	0	0	62	0	0	82
1940	AN	0	10	0	0	0	0	0	0	0	31	31	0	71
1941	W	0	0	0	0	0	50	0	0	0	0	0	30	80
1942	W	0	0	81	50	0	0	0	0	0	0	0	30	161
1943	W	0	0	0	91	0	0	0	0	0	0	31	0	121
1944	BN	0	4	0	0	0	0	0	0	0	31	31	0	66
1945	AN	9	0	0	0	0	0	0	0	52	31	10	0	101
1946	AN	0	0	0	0	0	0	0	0	0	31	4	0	35
1947	D	0	0	0	0	0	0	0	0	0	31	18	27	76
1948	BN	6	20	0	0	0	0	0	0	0	31	31	0	88
1949	BN	0	3	0	0	0	0	0	0	0	85	0	0	88
1950	BN	0	0	0	0	0	0	0	0	0	31	31	0	61
1951	AN	0	0	0	0	13	20	0	0	0	0	31	0	63
1952	W	0	0	0	0	0	105	0	0	0	0	0	30	135
1953	BN	0	0	99	20	0	0	0	0	0	0	0	30	149
1954	BN	0	0	0	0	0	0	0	0	0	31	31	0	61
1955	D	0	0	0	0	0	0	0	0	5	139	100	0	245
1956	W	0	0	0	0	0	0	0	0	0	0	0	30	30
1957	BN	0	0	0	0	0	5	0	0	0	44	23	0	72
1958	W	0	0	0	0	0	60	0	0	0	0	0	30	89
1959	D	0	0	0	0	0	0	0	0	0	0	31	0	31
1960	C	32	0	0	0	0	0	0	0	0	85	0	0	117
1961	C	0	0	0	0	0	0	0	0	0	87	0	1	88
1962	BN	0	0	0	0	0	0	0	0	0	31	31	0	61
1963	AN	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	D	0	0	0	0	0	0	0	0	0	31	29	0	60
1965	W	63	0	0	0	0	14	0	0	0	0	17	0	94
1966	BN	0	0	0	39	0	0	0	0	14	31	20	0	103
1967	W	0	4	0	0	0	0	0	0	0	31	0	30	65
1968	D	0	0	48	20	0	0	0	0	0	2	31	0	101
1969	W	0	27	0	0	0	0	0	0	0	0	0	30	57
1970	AN	0	0	20	101	0	0	0	0	0	0	31	0	151
1971	BN	51	0	0	0	0	0	0	0	0	0	0	30	80
1972	D	0	0	0	0	0	0	0	0	0	35	66	0	101
1973	AN	0	0	0	0	0	0	0	0	0	31	4	0	35
1974	W	0	0	0	0	68	56	0	0	0	0	0	30	154
1975	W	0	0	0	0	66	0	0	0	0	0	0	30	96
1976	C	0	0	0	0	0	0	0	0	0	136	0	0	136
1977	C	0	0	0	0	0	0	0	0	37	135	0	0	172
1978	W	0	0	0	0	0	0	0	0	0	162	7	30	199
1979	AN	0	0	0	0	0	0	0	0	70	35	0	0	105
1980	W	0	0	0	0	0	0	0	0	0	35	0	30	65
1981	D	0	0	0	0	0	0	0	0	0	31	0	0	31
1982	W	0	0	0	0	0	0	0	0	0	0	0	30	30
1983	W	0	0	0	0	0	0	0	0	0	31	33	81	144
1984	AN	31	20	0	5	20	0	0	0	0	0	31	0	107
1985	D	0	0	0	11	0	0	0	0	0	31	0	0	42
1986	W	0	0	0	0	0	0	0	0	0	0	0	30	30
1987	C	0	0	0	0	0	0	0	0	30	39	46	0	115
1988	C	0	0	0	0	0	0	0	0	0	223	20	13	256
1989	C	0	0	0	0	0	0	0	0	0	31	35	0	66
1990	C	0	21	0	0	0	0	0	0	0	227	4	0	252
1991	C	0	0	0	0	0	0	0	0	33	135	0	0	168
1992	C	0	0	0	0	0	0	0	0	22	135	0	0	157
1993	W	0	0	0	0	0	0	0	0	0	31	4	0	35
1994	C	0	0	0	0	0	0	0	0	0	31	0	0	31
Average		3	1	3	5	3	5	0	0	5	51	14	8	98
Maximum		63	27	99	101	68	105	0	0	70	227	100	81	256
Minimum		0	0	0	0	0	0	0	0	0	0	0	0	0
Average by Year Type														
W		3	2	4	7	7	14	0	0	0	19	8	25	89
AN		3	2	1	8	2	1	0	0	9	25	13	0	64
BN		5	2	8	5	0	5	0	0	1	33	22	5	87
D		0	0	4	5	2	0	0	0	7	52	25	2	98
C		2	1	0	0	0	0	0	0	8	125	11	1	148

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_EWA

Table C-55. SWP Banks Pumping Plant Export for EWA: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1
1925	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1926	D	0.0	0.0	0.0	0.0	-10.3	0.0	0.0	0.0	37.8	3.0	-32.0	0.0	-1.5
1927	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1928	BN	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	1.6	0.0	1.3
1929	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	7.7	0.0	13.3
1930	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	-11.2	0.0	-10.4
1931	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-4.7	0.0	-4.3
1932	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-8.3	0.0	0.0	-8.3
1933	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.8	0.0	0.0	0.0	-5.8
1934	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1935	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	0.0	0.0	-1.3
1936	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1937	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	-0.8	0.0	-0.1
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1
1940	AN	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1941	W	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	4.6
1942	W	0.0	0.0	0.8	-1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8
1943	W	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	AN	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-3.8	0.0	1.6
1946	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1947	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-26.5	-30.5	17.4	-39.6
1948	BN	5.7	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	32.0
1949	BN	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
1950	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	23.0
1951	AN	0.0	0.0	0.0	0.0	12.6	20.0	0.0	0.0	0.0	0.0	0.0	0.0	32.6
1952	W	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	11.1
1955	D	-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-78.2	0.0	-88.1
1956	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	BN	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	-33.3	9.2	23.4	0.0	3.8
1958	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	C	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-0.3
1961	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
1962	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	0.0	0.0	30.7
1963	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	W	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	12.0
1966	BN	0.0	0.0	0.0	38.9	0.0	-44.2	0.0	0.0	13.8	0.0	-11.0	0.0	-2.4
1967	W	0.0	-7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-7.2
1968	D	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
1969	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0	0.0	-3.0
1973	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	W	0.0	0.0	0.0	0.0	-1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.8
1976	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
1977	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-12.0	0.0	0.0	0.0	-12.0
1978	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	7.0	0.0	18.1
1979	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	0.0	0.0	-0.5
1980	W	0.0	0.0	0.0	0.0	-2.0	-20.0	0.0	0.0	0.0	0.0	0.0	0.0	-22.0
1981	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
1985	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-3.8	3.8	0.0	-0.4
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5
1990	C	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	-0.9
1991	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	-35.0	0.0	0.0	-1.7
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0	18.5
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average		0.1	0.2	0.0	0.5	0.0	-0.5	0.0	0.0	0.8	0.0	-1.4	0.2	0.0
Maximum		10.2	20.3	1.3	38.9	12.6	20.0	0.0	0.0	37.8	30.7	23.4	17.4	32.6
Minimum		-10.0	-7.2	0.0	-1.5	-10.3	-44.2	0.0	0.0	-33.3	-35.0	-78.2	-0.1	-88.1
Average by Year Type														
W		0.5	-0.4	0.0	-0.1	-0.2	-0.7	0.0	0.0	0.0	0.6	0.4	0.0	0.2
AN		0.1	0.1	0.0	0.0	0.9	1.4	0.0	0.0	0.2	-0.7	-0.3	0.0	1.8
BN		0.5	2.0	0.0	3.2	0.0	-3.3	0.0	0.0	-1.6	4.3	3.6	0.0	8.6
D		-0.9	0.0	0.1	0.0	-0.9	0.0	0.0	0.0	2.9	-2.1	-13.1	1.6	-12.4
C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-2.0	-0.3	0.0	0.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_EWA

Table C-56. SWP Banks Pumping Plant Export for EWA: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1926	D	0.0%	0.0%	0.0%	0.0%	-30.8%	0.0%	0.0%	0.0%	N/A	3.8%	-88.1%	0.0%	-1.0%
1927	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1928	BN	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	1.0%
1929	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	N/A	0.0%	6.1%
1930	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	-17.1%	0.0%	-9.1%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-26.9%	0.0%	-2.1%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.9%	0.0%	0.0%	-8.9%
1933	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.7%	0.0%	0.0%	0.0%	-3.4%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1935	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.8%	0.0%	0.0%	-2.8%
1936	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1937	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	-1.4%	0.0%	-0.1%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	-0.2%
1940	AN	0.0%	9.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%
1941	W	0.0%	0.0%	0.0%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%
1942	W	0.0%	0.0%	1.0%	-3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%
1943	W	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	26.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%	0.0%	-28.1%	0.0%	1.6%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1947	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-46.3%	-63.0%	180.0%	-34.3%
1948	BN	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24.2%	0.0%	57.6%
1949	BN	0.0%	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%
1950	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	303.3%	0.0%	59.9%
1951	AN	0.0%	0.0%	0.0%	0.0%	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	105.9%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	56.6%	0.0%	0.0%	22.1%
1955	D	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-43.8%	0.0%	-26.5%
1956	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	N/A	0.0%	0.0%	-100.0%	26.3%	N/A	0.0%	5.6%
1958	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1960	C	-1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	-0.3%
1961	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.7%	-0.2%
1962	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	N/A	0.0%	0.0%	100.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1965	W	19.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.2%	0.0%	14.5%
1966	BN	0.0%	0.0%	0.0%	N/A	0.0%	-100.0%	0.0%	0.0%	N/A	0.0%	-35.7%	0.0%	-2.3%
1967	W	0.0%	-63.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.1%
1968	D	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%
1969	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.4%	0.0%	-2.9%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	-2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.7%	0.0%	0.0%	0.0%	-6.5%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.3%	N/A	0.0%	10.0%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	-0.5%
1980	W	0.0%	0.0%	0.0%	0.0%	-100.0%	-100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-25.3%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-8.9%	9.2%	0.0%	-0.3%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.2%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.8%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.9%	0.0%	-0.4%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	N/A	-20.6%	0.0%	0.0%	-1.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	591.9%	0.0%	0.0%	0.0%	13.4%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average		-0.8%	-0.8%	0.1%	0.0%	-1.9%	-2.7%	0.0%	0.0%	6.5%	0.2%	0.4%	2.4%	3.7%
Maximum		26.7%	9.2%	2.7%	0.3%	0.0%	10.0%	0.0%	0.0%	591.9%	56.6%	303.3%	180.0%	105.9%
Minimum		-100.0%	-63.9%	0.0%	-3.0%	-100.0%	-100.0%	0.0%	0.0%	-100.0%	-46.3%	-88.1%	-9.7%	-34.3%
Average by Year Type														
W		1.0%	-3.2%	0.0%	-0.1%	-5.1%	-4.5%	0.0%	0.0%	0.0%	0.4%	0.5%	0.0%	-0.3%
AN		1.9%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.8%	-2.0%	0.0%	6.9%
BN		0.0%	0.0%	0.0%	0.0%	0.0%	-9.1%	0.0%	0.0%	-9.1%	7.5%	26.7%	0.0%	20.6%
D		-9.1%	0.0%	0.2%	0.0%	-2.8%	0.0%	0.0%	0.0%	-1.6%	-3.9%	-18.1%	16.4%	-6.1%
C		-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	37.7%	-1.6%	-3.3%	-0.4%	0.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

N/A: Divided by number of zero value.

P:\US_Bureau_Reclamation\IDIQ_01CS20210B\DMC_Recirculation\Documents\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]BanksPP_EWA

Table C-57. Actual Delta Export/Inflow Ratio: Alternative 1

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.65	0.58	0.45	0.65	0.28	0.28	0.18	0.07	0.20	0.48	0.62	0.65
1923	AN	0.65	0.62	0.28	0.27	0.31	0.32	0.11	0.11	0.35	0.49	0.62	0.65
1924	C	0.64	0.45	0.54	0.55	0.40	0.09	0.11	0.16	0.11	0.31	0.33	0.46
1925	BN	0.48	0.38	0.50	0.45	0.14	0.04	0.20	0.22	0.34	0.36	0.35	0.65
1926	D	0.52	0.47	0.50	0.46	0.25	0.22	0.19	0.15	0.31	0.41	0.38	0.56
1927	AN	0.53	0.44	0.34	0.22	0.09	0.24	0.12	0.12	0.35	0.38	0.61	0.65
1928	BN	0.63	0.56	0.64	0.47	0.38	0.10	0.17	0.07	0.35	0.40	0.61	0.65
1929	C	0.54	0.53	0.61	0.61	0.39	0.17	0.15	0.16	0.12	0.37	0.23	0.46
1930	C	0.46	0.26	0.47	0.42	0.37	0.32	0.21	0.22	0.27	0.47	0.45	0.60
1931	C	0.51	0.36	0.43	0.50	0.35	0.18	0.10	0.16	0.11	0.37	0.31	0.46
1932	AN	0.44	0.30	0.39	0.41	0.38	0.33	0.12	0.17	0.14	0.32	0.35	0.59
1933	D	0.54	0.41	0.31	0.49	0.25	0.35	0.13	0.22	0.13	0.26	0.13	0.46
1934	C	0.47	0.21	0.51	0.41	0.36	0.12	0.08	0.16	0.10	0.29	0.13	0.46
1935	AN	0.48	0.42	0.56	0.22	0.30	0.35	0.05	0.04	0.35	0.38	0.59	0.65
1936	AN	0.60	0.47	0.35	0.25	0.13	0.27	0.12	0.11	0.35	0.48	0.59	0.65
1937	W	0.60	0.39	0.44	0.44	0.23	0.21	0.14	0.13	0.25	0.45	0.61	0.65
1938	W	0.61	0.41	0.13	0.13	0.06	0.05	0.05	0.03	0.17	0.47	0.61	0.58
1939	D	0.45	0.65	0.49	0.45	0.45	0.35	0.20	0.19	0.29	0.50	0.57	0.65
1940	AN	0.48	0.45	0.47	0.27	0.18	0.10	0.09	0.18	0.35	0.47	0.62	0.65
1941	W	0.62	0.50	0.25	0.12	0.10	0.11	0.07	0.07	0.20	0.47	0.61	0.56
1942	W	0.59	0.65	0.17	0.12	0.04	0.34	0.11	0.09	0.28	0.38	0.61	0.58
1943	W	0.55	0.59	0.34	0.13	0.09	0.09	0.16	0.10	0.35	0.36	0.62	0.65
1944	BN	0.65	0.47	0.57	0.58	0.32	0.35	0.17	0.22	0.35	0.54	0.63	0.65
1945	AN	0.50	0.64	0.38	0.51	0.21	0.35	0.20	0.18	0.35	0.49	0.60	0.65
1946	AN	0.65	0.58	0.13	0.23	0.11	0.35	0.25	0.21	0.35	0.51	0.61	0.65
1947	D	0.60	0.57	0.60	0.54	0.39	0.31	0.21	0.22	0.35	0.52	0.56	0.65
1948	BN	0.45	0.57	0.46	0.47	0.35	0.35	0.17	0.08	0.35	0.51	0.62	0.65
1949	BN	0.61	0.46	0.60	0.53	0.43	0.17	0.15	0.14	0.34	0.53	0.58	0.64
1950	BN	0.37	0.49	0.45	0.34	0.29	0.35	0.13	0.12	0.35	0.50	0.61	0.65
1951	AN	0.62	0.20	0.09	0.16	0.12	0.26	0.20	0.10	0.35	0.42	0.62	0.65
1952	W	0.65	0.52	0.22	0.12	0.14	0.16	0.04	0.05	0.18	0.44	0.58	0.48
1953	BN	0.42	0.65	0.24	0.07	0.20	0.35	0.22	0.07	0.33	0.36	0.62	0.55
1954	BN	0.65	0.62	0.58	0.36	0.15	0.21	0.13	0.15	0.35	0.45	0.61	0.65
1955	D	0.62	0.55	0.49	0.54	0.30	0.35	0.17	0.22	0.35	0.48	0.51	0.60
1956	W	0.45	0.50	0.09	0.05	0.14	0.27	0.19	0.06	0.34	0.47	0.60	0.53
1957	BN	0.54	0.63	0.58	0.61	0.30	0.19	0.21	0.18	0.35	0.44	0.59	0.65
1958	W	0.61	0.64	0.34	0.29	0.07	0.11	0.06	0.06	0.22	0.40	0.61	0.50
1959	D	0.43	0.64	0.65	0.32	0.11	0.15	0.24	0.24	0.35	0.49	0.62	0.65
1960	C	0.65	0.31	0.48	0.60	0.27	0.35	0.07	0.16	0.35	0.48	0.40	0.54
1961	C	0.44	0.52	0.48	0.62	0.39	0.35	0.22	0.16	0.35	0.47	0.58	0.65
1962	BN	0.49	0.50	0.48	0.50	0.24	0.35	0.23	0.19	0.35	0.49	0.62	0.65
1963	AN	0.30	0.65	0.33	0.63	0.14	0.29	0.06	0.10	0.31	0.39	0.61	0.65
1964	D	0.65	0.39	0.65	0.48	0.29	0.30	0.20	0.22	0.35	0.51	0.58	0.65
1965	W	0.59	0.55	0.11	0.08	0.31	0.25	0.13	0.15	0.35	0.37	0.63	0.65
1966	BN	0.65	0.51	0.54	0.35	0.30	0.29	0.23	0.22	0.35	0.48	0.61	0.65
1967	W	0.57	0.61	0.26	0.20	0.19	0.14	0.06	0.04	0.17	0.46	0.60	0.46
1968	D	0.43	0.65	0.55	0.21	0.11	0.22	0.22	0.24	0.31	0.44	0.64	0.65
1969	W	0.58	0.55	0.39	0.06	0.09	0.17	0.10	0.04	0.20	0.40	0.60	0.60
1970	AN	0.42	0.56	0.09	0.04	0.09	0.19	0.20	0.14	0.35	0.34	0.62	0.65
1971	BN	0.64	0.56	0.18	0.22	0.14	0.22	0.20	0.07	0.35	0.42	0.61	0.53
1972	D	0.63	0.65	0.59	0.61	0.31	0.29	0.10	0.22	0.29	0.46	0.62	0.65
1973	AN	0.57	0.53	0.38	0.13	0.13	0.18	0.23	0.15	0.35	0.45	0.61	0.65
1974	W	0.65	0.17	0.15	0.08	0.27	0.10	0.02	0.09	0.35	0.45	0.61	0.48
1975	W	0.58	0.65	0.59	0.64	0.18	0.06	0.20	0.10	0.30	0.48	0.62	0.50
1976	C	0.48	0.65	0.63	0.64	0.32	0.35	0.18	0.16	0.35	0.42	0.60	0.59
1977	C	0.55	0.45	0.31	0.26	0.20	0.20	0.10	0.09	0.35	0.43	0.17	0.46
1978	W	0.35	0.28	0.43	0.11	0.21	0.12	0.08	0.08	0.33	0.42	0.61	0.61
1979	AN	0.65	0.55	0.41	0.45	0.12	0.24	0.12	0.19	0.35	0.47	0.61	0.65
1980	W	0.63	0.55	0.55	0.09	0.08	0.09	0.18	0.11	0.35	0.42	0.61	0.65
1981	D	0.65	0.57	0.52	0.40	0.21	0.31	0.22	0.24	0.35	0.51	0.59	0.65
1982	W	0.60	0.30	0.10	0.09	0.11	0.13	0.04	0.07	0.28	0.47	0.61	0.51
1983	W	0.35	0.23	0.10	0.03	0.02	0.02	0.04	0.02	0.08	0.26	0.51	0.33
1984	AN	0.30	0.07	0.02	0.10	0.18	0.20	0.23	0.24	0.35	0.37	0.60	0.65
1985	D	0.61	0.39	0.46	0.63	0.39	0.32	0.21	0.16	0.35	0.55	0.61	0.65
1986	W	0.61	0.56	0.38	0.40	0.06	0.08	0.17	0.11	0.35	0.43	0.58	0.65
1987	C	0.65	0.55	0.52	0.62	0.38	0.19	0.07	0.22	0.16	0.45	0.54	0.62
1988	C	0.41	0.48	0.27	0.38	0.14	0.11	0.23	0.22	0.29	0.40	0.27	0.52
1989	C	0.39	0.43	0.43	0.45	0.15	0.19	0.07	0.16	0.15	0.53	0.56	0.65
1990	C	0.61	0.34	0.55	0.58	0.34	0.32	0.08	0.16	0.11	0.35	0.18	0.47
1991	C	0.46	0.16	0.29	0.38	0.25	0.28	0.10	0.09	0.28	0.28	0.13	0.51
1992	C	0.47	0.25	0.47	0.42	0.28	0.31	0.11	0.22	0.12	0.32	0.14	0.51
1993	W	0.46	0.23	0.55	0.12	0.20	0.28	0.14	0.09	0.30	0.48	0.61	0.65
1994	C	0.65	0.54	0.53	0.65	0.32	0.22	0.22	0.22	0.35	0.57	0.56	0.65
Average		0.54	0.48	0.40	0.36	0.23	0.23	0.15	0.14	0.29	0.43	0.53	0.59
Maximum		0.65	0.65	0.65	0.65	0.45	0.35	0.25	0.24	0.35	0.57	0.64	0.65
Minimum		0.30	0.07	0.02	0.03	0.02	0.02	0.02	0.02	0.08	0.26	0.13	0.33
Average by Year Type													
W		0.57	0.47	0.30	0.20	0.14	0.15	0.11	0.08	0.26	0.43	0.60	0.56
AN		0.51	0.46	0.30	0.28	0.18	0.26	0.15	0.15	0.33	0.43	0.59	0.65
BN		0.55	0.53	0.49	0.41	0.27	0.25	0.18	0.14	0.35	0.46	0.59	0.63
D		0.56	0.54	0.53	0.47	0.28	0.29	0.19	0.21	0.31	0.47	0.53	0.62
C		0.52	0.40	0.47	0.51	0.31	0.23	0.13	0.17	0.22	0.41	0.35	0.54

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]actual_EI

Table C-58. Actual Delta Export/Inflow Ratio: Difference (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1923	AN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1924	C	0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1925	BN	0.00	0.00	0.00	-0.07	0.00	0.00	0.00	0.05	-0.01	-0.03	-0.01	0.00
1926	D	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	0.05	0.00	-0.02	0.00
1927	AN	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00
1928	BN	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1929	C	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
1930	C	-0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.02	0.00
1931	C	0.00	0.01	0.01	0.00	0.00	-0.04	0.00	0.00	0.00	0.00	0.00	0.00
1932	AN	0.02	-0.03	0.00	0.00	0.00	0.00	0.00	-0.05	0.00	-0.01	0.02	0.00
1933	D	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
1934	C	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1935	AN	0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1936	AN	0.00	0.01	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1937	W	0.02	-0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
1938	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1939	D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1940	AN	0.01	-0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1941	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1942	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1943	W	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1944	BN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00
1945	AN	-0.01	-0.01	-0.11	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.00
1946	AN	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1947	D	-0.01	-0.01	-0.01	0.06	0.00	-0.04	0.00	0.00	0.00	0.00	-0.01	0.01
1948	BN	-0.02	0.02	0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1949	BN	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1950	BN	0.00	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1951	AN	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1952	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1953	BN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1954	BN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01	-0.02	0.00
1955	D	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1956	W	0.03	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.04	-0.01	0.00
1957	BN	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.00
1958	W	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1959	D	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1960	C	0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1961	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
1962	BN	0.01	0.00	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1963	AN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1964	D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1965	W	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1966	BN	0.05	-0.01	0.00	0.00	-0.05	-0.06	0.11	0.05	0.01	0.00	0.01	0.00
1967	W	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1968	D	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1970	AN	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1971	BN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1972	D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1973	AN	0.01	0.00	-0.07	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	W	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	0.00	0.00	0.06	0.00	0.00
1975	W	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1976	C	0.00	0.00	0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1977	C	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.00
1978	W	-0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	AN	0.00	0.00	-0.05	0.05	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00
1980	W	0.02	-0.01	0.09	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1981	D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1982	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1983	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1984	AN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1985	D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	W	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1987	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988	C	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1989	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	C	0.00	0.01	0.00	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.04	0.00
1991	C	-0.02	0.04	-0.15	0.00	0.01	0.00	0.00	0.00	0.12	-0.04	-0.09	0.00
1992	C	0.00	0.01	0.00	-0.01	0.00	0.00	-0.05	0.00	0.02	0.00	-0.01	0.01
1993	W	-0.01	0.06	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
1994	C	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum		0.05	0.06	0.09	0.06	0.04	0.03	0.11	0.06	0.12	0.06	0.04	0.01
Minimum		-0.02	-0.03	-0.15	-0.07	-0.05	-0.06	-0.11	-0.07	-0.01	-0.04	-0.09	0.00
Average by Year Type													
W		0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
AN		0.00	0.00	-0.02	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
BN		0.00	0.00	0.00	-0.01	0.00	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
D		0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
C		0.00	0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]actual_EI

Table C-59. Actual Delta Export/Inflow Ratio: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1926	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1927	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1928	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1929	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1930	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1933	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1935	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1936	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1937	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1940	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1941	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	-22.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1947	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1948	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1949	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1950	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1951	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1955	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1956	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1958	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1960	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1961	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1962	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1965	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	90.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1967	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-46.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1980	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	0.0%	0.0%	-33.6%	0.0%	0.0%	0.0%	0.0%	0.0%	73.9%	0.0%	0.0%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average		0.0%	0.0%	-0.8%	0.0%	0.0%	0.0%	0.6%	0.0%	1.0%	0.0%	0.0%	0.0%
Maximum		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	90.2%	0.0%	73.9%	0.0%	0.0%	0.0%
Minimum		0.0%	0.0%	-33.6%	0.0%	0.0%	0.0%	-46.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Average by Year Type													
W		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AN		0.0%	0.0%	-1.6%	0.0%	0.0%	0.0%	-3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
BN		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.5%	0.0%	0.0%	0.0%	0.0%	0.0%
D		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C		0.0%	0.0%	-2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	4.6%	0.0%	0.0%	0.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]actual_EI

Table C-60. Delta Inflow: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	911	775	1,291	1,112	2,502	2,405	1,954	3,739	2,934	1,502	1,116	1,022	21,262
1923	AN	1,046	932	2,182	2,318	1,238	1,103	1,958	1,443	1,081	1,312	1,115	1,020	16,747
1924	C	886	686	770	850	973	741	586	1,054	559	734	650	528	9,018
1925	BN	572	572	897	827	4,028	1,784	1,630	1,149	1,164	921	680	772	14,995
1926	D	762	616	706	1,131	2,548	885	1,638	1,077	884	1,074	842	642	12,805
1927	AN	685	1,459	1,322	2,041	7,748	2,971	3,232	1,964	1,486	1,326	1,126	1,021	26,382
1928	BN	848	1,035	1,079	1,510	1,605	7,054	1,984	1,266	958	1,350	1,152	866	20,707
1929	C	803	877	867	851	972	818	610	1,054	646	830	612	522	9,463
1930	C	586	511	1,212	1,381	1,116	2,171	930	1,054	799	1,109	944	658	12,471
1931	C	663	591	612	901	677	570	614	1,054	556	902	695	526	8,360
1932	AN	567	569	1,522	1,513	1,280	1,138	927	1,154	1,032	894	728	722	12,047
1933	D	759	615	723	1,001	776	966	831	1,054	702	761	565	534	9,286
1934	C	571	520	1,003	1,232	962	902	812	1,054	645	758	564	527	9,550
1935	AN	567	789	740	2,127	924	1,928	3,436	1,841	1,462	1,137	1,093	1,005	17,048
1936	AN	877	691	750	2,578	4,932	2,141	1,872	1,440	1,321	1,394	1,125	981	20,103
1937	W	842	649	739	962	3,042	3,341	2,060	1,778	1,112	1,286	1,174	845	17,831
1938	W	943	1,565	3,846	2,245	8,365	10,741	4,917	4,931	3,429	1,480	1,138	1,200	44,800
1939	D	1,501	960	1,064	954	832	1,109	917	1,054	788	1,215	1,086	837	12,320
1940	AN	731	626	667	2,322	3,983	7,086	4,413	1,566	1,151	1,518	1,167	908	26,138
1941	W	971	864	2,846	6,604	7,447	6,257	4,877	3,156	1,420	1,486	1,137	1,231	38,296
1942	W	1,145	980	4,352	5,514	8,313	1,826	3,351	2,612	2,037	1,277	1,139	1,188	33,735
1943	W	1,236	1,111	2,096	5,875	3,664	5,860	2,107	1,619	1,218	1,326	1,163	1,021	28,294
1944	BN	971	713	793	964	1,595	1,511	931	1,079	1,079	1,328	1,110	979	13,054
1945	AN	804	947	1,175	906	3,292	1,798	1,247	1,324	1,293	1,432	1,118	1,007	16,342
1946	AN	996	960	4,831	3,338	1,587	1,590	1,159	1,319	1,218	1,416	1,146	995	20,555
1947	D	979	873	1,159	828	1,157	1,403	1,019	1,054	933	1,248	978	864	12,495
1948	BN	774	746	658	1,005	1,043	1,125	1,928	2,118	1,487	1,425	1,166	1,020	14,495
1949	BN	934	733	928	776	757	3,067	1,060	1,146	1,104	1,288	953	783	13,530
1950	BN	698	631	720	1,333	2,238	1,401	1,539	1,368	1,405	1,431	1,163	1,008	14,934
1951	AN	875	3,275	6,605	4,621	4,342	2,112	1,221	1,614	976	1,515	1,158	1,000	29,313
1952	W	895	911	2,866	5,757	5,109	4,589	4,626	4,775	3,222	1,396	1,079	1,458	36,683
1953	BN	1,612	925	2,907	6,904	1,518	1,474	1,358	1,858	1,743	1,531	1,117	1,250	24,199
1954	BN	1,042	1,041	1,050	1,967	3,724	3,345	2,798	1,746	969	1,430	1,100	1,021	21,233
1955	D	981	926	1,412	1,306	931	829	987	1,077	1,044	1,126	940	712	12,270
1956	W	675	778	6,500	10,648	5,349	2,688	1,521	2,881	1,715	1,474	1,145	1,299	36,674
1957	BN	1,266	905	809	902	1,989	3,223	1,532	1,426	1,216	1,410	1,071	1,021	16,769
1958	W	1,111	1,017	1,596	2,495	10,287	6,403	6,276	3,629	2,575	1,275	1,133	1,381	39,178
1959	D	1,569	924	962	2,270	3,222	1,589	882	1,054	1,209	1,424	1,158	1,021	17,284
1960	C	947	613	832	820	1,834	1,510	849	1,054	978	1,193	791	630	12,051
1961	C	671	796	1,076	773	1,633	1,203	912	1,054	944	1,167	1,139	793	12,162
1962	BN	817	653	1,081	737	2,974	1,891	1,068	1,115	1,147	1,384	1,162	1,001	15,031
1963	AN	2,266	996	1,723	1,121	4,657	2,219	5,449	2,360	1,303	1,420	1,131	1,022	25,666
1964	D	1,045	1,670	988	1,469	954	806	1,264	1,054	874	1,208	1,150	989	13,471
1965	W	755	934	5,522	7,716	2,280	1,627	2,997	1,864	1,082	1,539	1,131	1,022	28,469
1966	BN	977	1,286	1,352	2,229	1,703	2,034	1,122	1,145	1,085	1,285	1,157	950	16,324
1967	W	936	1,033	2,434	3,270	3,433	4,188	3,512	3,940	3,420	1,562	1,140	1,488	30,359
1968	D	1,563	999	1,149	1,930	4,064	2,361	1,208	1,054	945	1,323	1,080	1,002	18,679
1969	W	870	880	1,577	7,834	7,845	4,218	3,826	4,680	2,898	1,331	1,153	1,152	38,263
1970	AN	1,620	974	3,950	13,506	4,776	2,656	1,303	1,189	1,101	1,570	1,169	1,020	34,835
1971	BN	898	1,153	3,881	3,269	1,726	3,206	1,640	2,060	1,453	1,647	1,133	1,299	23,364
1972	D	1,079	951	1,159	1,152	1,489	2,393	875	1,054	1,261	1,282	1,138	796	14,628
1973	AN	768	1,221	1,505	5,563	5,482	3,992	1,406	1,582	1,356	1,432	1,126	1,020	26,453
1974	W	1,006	3,827	4,631	8,580	2,557	7,261	4,389	1,920	1,589	1,392	1,139	1,443	39,732
1975	W	1,161	991	1,167	1,032	3,871	6,015	1,889	2,257	1,881	1,457	1,117	1,392	24,231
1976	C	1,415	1,001	1,101	918	829	1,062	727	1,054	807	915	879	778	11,487
1977	C	685	623	592	598	513	568	630	1,054	783	936	614	513	8,111
1978	W	483	520	1,012	4,275	3,233	4,592	2,776	2,041	1,734	1,379	1,140	1,132	24,316
1979	AN	1,038	715	737	1,627	2,978	2,555	1,445	1,450	1,374	1,311	1,121	972	17,326
1980	W	961	889	1,266	7,200	7,938	3,869	1,496	1,428	1,351	1,300	1,122	1,074	29,895
1981	D	1,047	764	1,041	1,449	1,614	1,932	1,179	1,054	958	1,256	1,115	993	14,402
1982	W	853	2,138	5,980	5,166	6,419	5,518	8,767	3,565	2,034	1,472	1,126	1,353	44,392
1983	W	1,951	2,803	5,825	6,754	10,207	15,782	5,155	5,243	5,576	2,754	1,390	2,074	65,514
1984	AN	2,072	5,179	10,047	4,408	2,568	2,555	1,448	1,151	1,209	1,511	1,110	1,017	34,273
1985	D	992	1,672	1,504	947	995	1,122	954	1,054	950	1,313	1,129	964	13,598
1986	W	1,002	776	1,172	1,602	12,694	9,490	1,880	1,429	1,318	1,390	1,180	1,067	35,000
1987	C	1,041	776	842	968	1,191	1,637	858	1,054	722	1,078	887	766	11,821
1988	C	730	605	1,200	1,815	784	633	718	1,054	854	939	656	607	10,595
1989	C	584	618	687	821	532	3,069	1,366	1,054	698	1,341	1,160	807	12,738
1990	C	848	662	760	1,203	956	931	777	1,054	594	837	606	550	9,779
1991	C	558	510	494	468	602	2,115	882	1,054	647	750	563	607	9,251
1992	C	554	511	520	716	1,984	1,316	814	1,054	685	781	568	603	10,107
1993	W	576	520	871	4,167	3,496	2,550	2,535	2,298	1,919	1,499	1,139	1,019	22,590
1994	C	1,044	735	987	907	1,599	975	779	1,054	821	1,265	1,231	1,022	12,420
Average		965	1,031	1,876	2,724	3,130	2,901	1,981	1,742	1,355	1,287	1,029	964	20,986
Maximum		2,266	5,179	10,047	13,506	12,694	15,782	8,767	5,243	5,576	2,754	1,390	2,074	65,514
Minimum		483	510	494	468	513	568	586	1,054	556	734	563	513	8,111
Average by Year Type														
W		964	1,198	2,879	4,940	5,903	5,461	3,546	2,989	2,223	1,479	1,150	1,243	33,976
AN		1,065	1,381	2,697	3,428	3,556	2,560	2,180	1,528	1,240	1,370	1,102	979	23,088
BN		951	866	1,346	1,868	2,075	2,593	1,549	1,456	1,234	1,369	1,080	998	17,386
D		1,116	997	1,079	1,312	1,689	1,400	1,069	1,058	959	1,203	1,016	850	13,749
C		787	665	847	951	1,072	1,264	804	1,054	734	971	785	652	10,586

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaInflowTAF

Table C-61. Delta Inflow: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	0.0	0.0	0.0	-0.3
1924	C	30.1	-32.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.1	1.8
1925	BN	0.0	0.0	0.0	0.0	2.1	-0.2	0.1	-0.5	3.3	-41.6	1.8	5.6	-29.3
1926	D	0.6	0.1	0.0	0.5	0.4	0.0	-0.1	0.3	51.7	-2.9	-25.1	0.2	25.6
1927	AN	10.9	-0.5	1.4	0.1	25.7	0.4	15.5	12.6	0.2	-21.5	0.1	0.1	45.1
1928	BN	6.3	12.0	0.2	0.8	0.6	42.6	-0.2	-0.1	0.0	2.0	23.9	-2.2	85.8
1929	C	0.7	25.2	7.7	6.5	0.3	0.4	0.0	0.0	-1.4	4.2	11.7	-1.1	54.0
1930	C	12.5	0.0	-0.5	0.3	2.4	0.0	11.8	0.0	2.2	-3.4	-10.1	7.8	23.0
1931	C	0.0	0.1	8.1	-6.0	0.3	-2.5	-1.6	0.0	0.0	-0.4	2.7	3.9	4.6
1932	AN	12.7	-20.6	-6.6	-5.0	-3.5	0.1	0.2	-0.2	-0.1	-8.9	13.3	0.0	-18.5
1933	D	0.0	0.1	14.6	11.0	7.4	-0.4	0.1	0.0	-5.7	0.1	1.0	0.3	28.6
1934	C	0.2	0.2	0.6	0.0	0.0	0.0	0.1	0.0	0.2	-1.7	0.5	3.6	3.8
1935	AN	12.7	-4.7	-4.3	-3.2	-2.1	0.1	15.3	-1.5	-0.5	8.0	8.7	-0.4	27.9
1936	AN	8.7	5.3	-2.8	3.4	133.0	11.5	32.0	0.9	-1.0	2.7	-1.6	4.3	196.3
1937	W	22.4	-8.8	0.5	0.4	33.8	0.6	4.6	18.9	24.2	-3.5	0.1	0.3	93.4
1938	W	1.2	-0.1	-20.4	1.1	-0.2	-0.2	-0.1	-0.1	16.3	0.1	0.0	6.3	4.0
1939	D	-0.4	1.5	0.2	0.3	0.2	0.0	-0.2	0.0	0.0	32.7	39.9	-5.5	68.7
1940	AN	-6.0	4.1	-1.9	-17.7	-11.0	0.1	0.9	0.5	3.2	6.6	0.1	0.4	-20.9
1941	W	0.4	0.2	44.9	37.0	14.8	0.7	1.1	1.3	1.0	0.0	-0.1	0.3	101.5
1942	W	0.4	0.4	1.9	0.2	0.2	0.0	0.0	1.6	17.9	-0.2	0.0	-0.2	22.2
1943	W	4.1	23.5	1.4	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	28.8
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.4	0.0	44.6	47.6	0.0	91.4
1945	AN	-20.4	-14.2	11.7	5.8	42.1	1.0	1.5	2.2	9.2	-0.5	26.5	-2.0	62.8
1946	AN	7.6	-3.7	7.6	-1.0	67.9	3.0	-6.4	0.8	0.0	-0.4	-0.3	0.8	76.0
1947	D	-43.3	1.5	27.6	22.5	2.8	2.0	0.0	0.0	-0.9	0.2	-72.3	28.1	-31.7
1948	BN	38.1	20.0	-21.9	2.3	-0.1	-9.3	17.7	-0.3	0.0	-0.1	5.9	-0.1	52.1
1949	BN	46.6	-27.6	-1.8	0.0	0.1	58.9	0.0	1.0	-0.1	-3.7	2.2	6.0	81.7
1950	BN	12.5	-8.8	12.3	-1.9	-0.1	0.5	0.9	-27.7	6.1	-0.2	22.8	-0.3	16.3
1951	AN	13.0	-38.7	44.6	94.3	-0.3	-0.1	-0.4	-0.5	0.0	-3.7	-0.3	0.0	107.8
1952	W	-0.1	4.8	-1.9	1.4	61.6	27.6	-0.1	0.0	0.0	0.0	0.0	0.0	93.2
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.3	0.0	-0.3	-0.2	0.1	-1.2
1954	BN	-0.4	0.3	0.5	-1.2	-0.5	0.3	9.4	117.5	0.0	-25.9	-48.8	-0.3	50.9
1955	D	-18.3	-19.3	-21.9	9.3	-1.1	-0.5	0.5	-0.5	0.0	11.5	2.0	7.1	-31.2
1956	W	2.4	31.0	-62.6	100.2	-0.1	0.6	-0.2	6.6	54.0	91.5	15.7	0.9	240.0
1957	BN	1.4	19.2	-0.6	-104.2	-16.6	0.8	0.6	1.8	8.3	30.7	21.8	0.6	-36.2
1958	W	0.3	10.3	13.3	0.1	-75.9	29.4	27.5	0.0	0.0	-0.1	0.0	0.0	4.8
1959	D	49.0	0.0	0.0	-0.1	0.0	1.6	0.2	0.0	-1.4	0.3	-0.6	-0.5	48.6
1960	C	14.3	0.0	0.8	-18.6	-2.6	-3.4	0.0	0.0	0.0	7.1	5.2	0.5	3.4
1961	C	0.0	1.4	1.5	0.1	0.1	-18.7	0.1	0.0	0.3	-24.8	-3.5	-2.1	-45.6
1962	BN	-11.8	23.4	23.6	16.8	-11.3	0.5	0.3	-0.3	100.1	-63.5	0.4	-1.5	76.9
1963	AN	22.6	0.6	-0.8	0.3	-24.0	9.0	-8.6	0.1	0.0	-2.1	0.0	0.0	-2.9
1964	D	0.0	20.9	-1.1	0.3	3.7	2.0	-3.0	0.0	0.1	11.3	-4.8	8.2	37.7
1965	W	12.0	-0.5	43.9	0.6	51.6	-8.8	12.3	-1.7	0.0	-7.9	1.8	0.0	103.5
1966	BN	130.8	17.7	0.2	0.6	0.5	1.1	-0.2	3.2	13.3	7.1	39.9	4.3	218.5
1967	W	38.1	-5.4	-88.1	3.1	22.4	46.9	13.8	14.3	0.2	0.2	-0.2	0.1	45.4
1968	D	15.8	-0.1	10.4	7.6	11.1	20.7	-0.7	0.0	-0.2	-0.7	-0.1	-0.4	63.4
1969	W	-0.8	-12.5	0.0	53.9	53.7	15.2	-29.6	13.4	0.0	0.0	0.0	-0.4	92.9
1970	AN	-1.4	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	0.3	-0.5	-0.2	-0.1	-2.4
1971	BN	-0.2	0.0	-0.2	-0.1	-8.5	26.6	-3.9	5.0	1.9	-2.8	-0.3	0.1	17.5
1972	D	0.3	0.1	0.1	2.4	0.1	18.1	14.8	0.0	-9.7	-9.7	-9.8	34.4	41.2
1973	AN	-38.4	-2.3	-6.0	55.6	-0.8	0.3	1.0	-0.9	0.2	-0.1	0.0	0.0	8.5
1974	W	0.2	2.1	46.4	82.2	0.1	0.2	0.0	0.0	-0.4	141.7	0.0	-0.8	271.5
1975	W	-100.9	-10.1	5.2	5.1	-32.9	16.1	-0.1	-0.1	21.0	17.3	0.0	0.4	-79.0
1976	C	0.0	0.0	-11.5	0.9	0.2	0.3	-0.1	0.0	0.0	7.9	0.2	2.5	0.4
1977	C	0.2	-0.3	0.8	0.1	0.0	-5.4	0.0	0.0	0.0	4.8	3.0	0.0	3.2
1978	W	-16.6	1.8	-1.4	0.0	-1.0	2.1	2.7	42.6	4.0	11.2	7.0	0.0	52.3
1979	AN	1.9	0.5	0.5	1.4	4.5	9.2	1.0	-1.5	-7.3	-4.1	-0.1	-1.6	4.3
1980	W	24.4	-0.3	-0.2	-14.2	20.1	-1.5	-1.7	-1.3	6.2	0.1	0.0	-0.2	31.4
1981	D	-0.1	0.0	-0.2	6.5	-0.2	-0.6	-0.8	0.0	0.1	-0.2	0.3	-0.4	4.4
1982	W	2.7	11.0	-1.3	21.6	81.3	2.2	-0.3	-0.3	-0.3	0.2	0.0	0.0	116.8
1983	W	-0.5	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1.8
1984	AN	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.5	0.8	-0.2	-0.8	1.3	0.1
1985	D	-0.2	-1.4	-0.1	-11.3	0.3	-1.7	0.6	-2.0	0.4	-0.1	-0.2	-18.1	-33.5
1986	W	8.4	0.6	0.5	3.9	118.6	83.5	-0.1	0.0	0.0	0.1	1.0	0.0	216.5
1987	C	0.1	0.3	-0.1	0.0	0.0	0.0	0.4	0.0	-0.4	3.8	5.1	1.3	10.4
1988	C	0.1	0.4	0.0	0.0	-4.5	0.0	0.0	0.0	5.8	0.5	0.5	0.5	3.4
1989	C	0.0	0.4	0.0	0.0	0.0	0.1	0.1	0.0	-1.1	0.0	-7.9	-0.4	-8.9
1990	C	2.0	1.6	1.9	1.1	0.0	-0.4	-0.5	0.0	0.0	0.0	16.2	0.0	21.8
1991	C	7.2	-7.8	0.0	-1.7	9.3	-0.4	1.8	0.0	90.9	-45.2	-52.3	0.3	2.1
1992	C	-0.1	-0.1	4.4	3.1	1.9	0.0	-48.0	0.0	18.5	0.9	-7.6	6.8	-20.1
1993	W	12.5	0.0	-0.6	5.3	0.3	0.2	26.2	-0.1	43.6	0.3	0.2	0.2	88.1
1994	C	0.3	-0.2	-0.2	-0.1	10.3	-0.1	0.3	0.0	0.0	0.0	-1.7	-0.1	8.7
Average		4.5	0.3	1.1	5.3	8.1	5.2	1.5	2.8	6.5	2.3	1.1	1.4	40.0
Maximum		130.8	31.0	46.4	100.2	133.0	83.5	32.0	117.5	100.1	141.7	47.6	34.4	271.5
Minimum		-100.9	-38.7	-88.1	-104.2	-75.9	-18.7	-48.0	-27.7	-9.7	-63.5	-72.3	-18.1	-79.0
Average by Year Type														
W		0.5	2.4	-0.9	15.1	17.4	10.7	2.8	4.7	9.4	12.5	1.3	0.3	76.3
AN		1.7	-5.3	3.1	9.6	16.5	2.5	3.7	0.8	0.4	-1.8	3.3	0.2	34.6
BN		18.6	4.7	1.0	-7.2	-2.8	10.1	2.0	8.2	11.1	-4.5	9.8	1.0	52.0
D		0.3	0.3	2.7	4.5	2.2	3.8	1.0	-0.2	3.1	3.9	-6.3	4.8	20.2
C		4.2	-0.7	1.0	-0.9	1.1	-1.9	-2.2	0.0	7.2	-2.9	-2.3	1.5	4.1

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaInflowTAF

Table C-62. Delta Inflow: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	14,812	13,019	21,000	18,091	45,043	39,113	32,832	60,806	49,312	24,423	18,144	17,179
1923	AN	17,009	15,664	35,492	37,701	22,292	17,934	32,901	23,464	18,159	21,336	18,131	17,141
1924	C	14,415	11,528	12,518	13,819	16,922	12,056	9,854	17,143	9,391	11,937	10,572	8,873
1925	BN	9,299	9,609	14,595	13,451	72,520	29,007	27,393	18,679	19,567	14,982	11,055	12,980
1926	D	12,393	10,346	11,481	18,388	45,884	14,395	27,525	17,521	14,853	17,470	13,699	10,784
1927	AN	11,133	24,520	21,506	33,191	139,508	48,321	54,316	31,942	24,976	21,570	18,319	17,164
1928	BN	13,791	17,389	17,553	24,560	27,911	114,719	33,347	20,584	16,099	21,952	18,742	14,552
1929	C	13,065	14,730	14,106	13,847	17,510	13,300	10,244	17,143	10,853	13,503	9,958	8,780
1930	C	9,525	8,591	19,715	22,457	20,102	35,309	15,624	17,143	13,436	18,041	15,345	11,050
1931	C	10,789	9,930	9,949	14,661	12,191	9,263	10,310	17,143	9,343	14,667	11,298	8,841
1932	AN	9,223	9,569	24,761	24,608	22,255	18,510	15,577	18,760	17,345	14,533	11,842	12,136
1933	D	12,340	10,337	11,752	16,281	13,970	15,710	13,972	17,143	11,797	12,371	9,185	8,966
1934	C	9,289	8,740	16,317	20,034	17,321	14,666	13,651	17,143	10,839	12,320	9,172	8,855
1935	AN	9,222	13,251	12,041	34,589	16,629	31,361	57,738	29,937	24,569	18,485	17,770	16,897
1936	AN	14,261	11,621	12,198	41,928	85,748	34,813	31,453	23,414	22,203	22,674	18,299	16,494
1937	W	13,690	10,899	12,024	15,652	54,770	54,342	34,622	28,923	18,691	20,916	19,094	14,194
1938	W	15,335	26,299	62,544	36,506	150,629	174,693	82,626	80,203	57,632	24,063	18,505	20,164
1939	D	24,412	16,140	17,302	15,523	14,985	18,039	15,416	17,143	13,249	19,768	17,669	14,072
1940	AN	11,886	10,519	10,849	37,757	69,245	115,242	74,164	25,475	19,345	24,686	18,981	15,259
1941	W	15,796	14,515	46,283	107,403	134,095	101,752	81,969	51,334	23,869	24,165	18,485	20,685
1942	W	18,620	16,468	70,778	89,673	149,689	29,691	56,316	42,483	34,236	20,776	18,524	19,969
1943	W	20,102	18,665	34,087	95,547	65,971	95,299	35,405	26,324	20,461	21,570	18,918	17,155
1944	BN	15,797	11,987	12,903	15,680	27,725	24,575	15,647	17,554	18,130	21,597	18,049	16,460
1945	AN	13,072	15,908	19,104	14,742	59,272	29,249	20,956	21,528	21,721	23,292	18,177	16,920
1946	AN	16,191	16,136	78,567	54,289	28,576	25,854	19,480	21,451	20,474	23,023	18,632	16,729
1947	D	15,927	14,665	18,845	13,462	20,832	22,825	17,118	17,143	15,679	20,301	15,901	14,525
1948	BN	12,591	12,538	10,697	16,341	18,127	18,301	32,400	34,447	24,989	23,175	18,969	17,135
1949	BN	15,195	12,325	15,088	12,620	13,631	49,883	17,821	18,642	18,551	20,941	15,498	13,161
1950	BN	11,345	10,601	11,711	21,680	40,289	22,788	25,868	22,244	23,612	23,275	18,909	16,944
1951	AN	14,225	55,033	107,422	75,154	78,191	34,350	20,513	26,246	16,402	24,636	18,825	16,811
1952	W	14,562	15,317	46,608	93,632	88,823	74,626	77,735	77,654	54,149	22,698	17,554	24,506
1953	BN	26,216	15,544	47,283	112,276	27,341	23,978	22,828	30,222	29,295	24,904	18,166	21,011
1954	BN	16,951	17,489	17,073	31,991	67,055	54,397	47,028	28,390	16,288	23,261	17,882	17,163
1955	D	15,949	15,565	22,957	21,243	16,768	13,477	16,592	17,516	17,540	18,306	15,289	11,965
1956	W	10,976	13,083	105,712	173,174	92,996	43,717	25,563	46,849	28,819	23,973	18,626	21,835
1957	BN	20,586	15,211	13,157	14,666	35,811	52,419	25,738	23,184	20,441	22,931	17,418	17,164
1958	W	18,061	17,096	25,952	40,582	185,228	104,131	105,467	59,024	43,271	20,740	18,433	23,211
1959	D	25,518	15,535	15,645	36,917	58,017	25,843	14,825	17,143	20,321	23,151	18,832	17,157
1960	C	15,404	10,297	13,526	13,336	31,884	24,556	14,272	17,143	16,440	19,395	12,871	10,587
1961	C	10,910	13,385	17,493	12,578	29,403	19,563	15,332	17,143	15,860	18,983	18,523	13,335
1962	BN	13,293	10,980	17,585	11,980	53,551	30,755	17,945	18,131	19,281	22,507	18,895	16,829
1963	AN	36,854	16,736	28,023	18,236	83,845	36,087	91,577	38,378	21,891	23,091	18,393	17,175
1964	D	17,001	28,071	16,068	23,895	16,591	13,109	21,248	17,143	14,686	19,638	18,696	16,615
1965	W	12,278	15,691	89,803	125,492	41,048	26,457	50,371	30,320	18,190	25,027	18,391	17,178
1966	BN	15,889	21,609	21,992	36,249	30,660	33,073	18,853	18,622	18,236	20,902	18,812	15,971
1967	W	15,222	17,362	39,592	53,189	61,821	68,118	59,017	64,083	57,480	25,408	18,542	25,012
1968	D	25,422	16,797	18,679	31,391	70,660	38,400	20,302	17,143	15,883	21,512	17,559	16,840
1969	W	14,147	14,785	25,648	127,406	141,256	68,604	64,300	76,111	48,698	21,641	18,758	19,356
1970	AN	26,345	16,365	64,234	219,657	86,002	43,203	21,904	19,341	18,508	25,529	19,007	17,146
1971	BN	14,599	19,377	63,123	53,165	31,080	52,137	27,554	33,509	24,415	26,778	18,427	21,829
1972	D	17,543	15,975	18,852	18,736	25,888	38,918	14,698	17,143	21,197	20,842	18,506	13,375
1973	AN	12,488	20,519	24,473	90,478	98,716	64,927	23,632	25,732	22,784	23,284	18,315	17,142
1974	W	16,362	64,307	75,308	139,540	46,034	118,086	73,765	31,219	26,708	22,638	18,517	24,250
1975	W	18,882	16,647	18,986	16,781	69,709	97,822	31,750	36,713	31,619	23,695	18,165	23,388
1976	C	23,010	16,821	17,905	14,929	14,418	17,275	12,221	17,143	13,565	14,882	14,302	13,072
1977	C	11,148	10,466	9,623	9,732	9,236	9,239	10,587	17,143	13,164	15,226	9,991	8,628
1978	W	7,861	8,740	16,454	69,528	58,210	74,684	46,650	33,192	29,134	22,423	18,540	19,021
1979	AN	16,883	12,021	11,984	26,467	53,628	41,558	24,291	23,586	23,096	21,323	18,235	16,337
1980	W	15,628	14,933	20,594	117,105	138,004	62,925	25,149	23,216	22,707	21,140	18,244	18,055
1981	D	17,031	12,838	16,938	23,560	29,055	31,423	19,821	17,143	16,107	20,429	18,131	16,682
1982	W	13,877	35,937	97,256	84,022	115,577	89,746	147,332	57,986	34,186	23,934	18,313	22,739
1983	W	31,731	47,103	94,731	109,842	183,795	256,663	86,634	85,270	93,706	44,795	22,610	34,847
1984	AN	33,692	87,032	163,397	71,695	44,637	41,556	24,332	18,713	20,315	24,570	18,046	17,087
1985	D	16,141	28,098	24,463	15,404	17,917	18,252	16,041	17,143	15,960	21,357	18,369	16,197
1986	W	16,299	13,043	19,054	26,049	228,572	154,347	31,587	23,246	22,155	22,613	19,187	17,929
1987	C	16,930	13,042	13,694	15,735	21,450	26,629	14,418	17,143	12,135	17,539	14,425	12,875
1988	C	11,872	10,175	19,512	29,515	13,622	10,287	12,069	17,143	14,355	15,278	10,661	10,209
1989	C	9,502	10,391	11,176	13,349	9,573	49,916	22,964	17,143	11,725	21,817	18,863	13,567
1990	C	13,799	11,120	12,365	19,573	17,206	15,138	13,063	17,143	9,975	13,611	9,864	9,244
1991	C	9,079	8,571	8,030	7,613	10,839	34,400	14,819	17,143	10,875	12,201	9,161	10,209
1992	C	9,017	8,588	8,461	11,639	34,501	21,398	13,684	17,143	11,513	12,703	9,242	10,130
1993	W	9,365	8,734	14,166	67,776	62,951	41,475	42,602	37,377	32,253	24,382	18,527	17,128
1994	C	16,973	12,350	16,046	14,755	28,793	15,861	13,093	17,143	13,803	20,577	20,025	17,181
Average		15,699	17,333	30,504	44,308	55,945	47,185	33,297	28,330	22,774	20,933	16,739	16,192
Maximum		36,854	87,032	163,397	219,657	228,572	256,663	147,332	85,270	93,706	44,795	22,610	34,847
Minimum		7,861	8,571	8,030	7,613	9,236	9,239	9,854	17,143	9,343	11,937	9,161	8,628
Average by Year Type													
W		15,680	20,132	46,829	80,350	105,711	88,815	59,585	48,617	37,364	24,051	18,704	20,890
AN		17,320	23,207	43,861	55,749	63,467	41,640	36,631	24,855	20,842	22,288	17,927	16,460
BN		15,463	14,555	21,897	30,388	37,142	42,169	26,035	23,684	20,742	22,267	17,569	16,767
D		18,152	16,761	17,544	21,345	30,051	22,763	17,960	17,211	16,116	19,559	16,531	14,289
C		12,795	11,170	13,777	15,473	19,061	20,554	13,513	17,143	12,329	15,793	12,767	10,965

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaInflowCFS

Table C-63. Delta Inflow: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.7	0.9	-0.3	0.0	0.0
1924	C	489.9	-552.8	49.0	-0.1	0.1	0.2	-0.2	0.0	0.1	10.1	13.3	1.5
1925	BN	0.5	0.4	0.3	0.2	37.2	-3.4	1.2	-8.9	56.3	-676.7	30.0	94.6
1926	D	9.1	1.9	0.2	8.7	6.4	0.3	-2.3	4.2	868.3	-47.4	-407.7	3.1
1927	AN	177.1	-8.9	22.3	2.2	463.5	6.3	260.7	205.5	4.1	-349.9	2.2	1.9
1928	BN	101.7	201.5	3.1	12.5	11.2	692.6	-3.9	-1.2	-0.6	31.9	388.5	-36.7
1929	C	10.8	423.0	124.6	105.8	5.2	6.0	0.0	0.0	-23.1	68.0	189.9	-19.2
1930	C	202.8	0.4	-7.6	5.0	42.4	-0.4	199.1	0.0	37.4	-55.9	-164.7	131.2
1931	C	-0.2	1.2	131.3	-97.1	5.7	-40.0	-26.3	0.0	0.1	-7.2	44.4	64.9
1932	AN	206.0	-345.6	-108.0	-80.8	-60.5	1.7	3.1	-2.5	-2.0	-144.0	216.0	0.2
1933	D	0.7	1.1	236.9	178.8	133.7	-5.9	2.0	0.0	-96.6	1.6	16.9	5.2
1934	C	3.8	4.1	9.7	0.0	0.4	-0.2	2.1	0.0	2.8	-27.2	8.3	59.9
1935	AN	206.4	-78.8	-70.5	-52.3	-38.5	2.0	256.8	-25.1	-8.2	129.7	140.7	-6.1
1936	AN	141.8	88.5	-46.1	55.7	2,311.5	186.4	538.4	15.3	-17.0	43.3	-26.3	72.5
1937	W	364.6	-148.7	7.5	6.8	608.4	9.1	77.1	307.4	407.3	-56.6	1.2	5.5
1938	W	20.0	-0.9	-331.3	17.2	-3.3	-2.5	-1.7	-1.4	274.7	1.0	0.7	105.0
1939	D	-6.4	25.6	4.0	4.2	3.2	0.5	-3.7	0.0	-0.4	532.1	649.0	-92.5
1940	AN	-97.8	69.1	-31.3	-288.0	-191.4	1.3	14.5	8.7	53.1	106.6	2.3	6.0
1941	W	6.9	3.7	729.8	601.2	266.1	11.7	19.2	21.3	16.1	0.0	-2.3	4.2
1942	W	6.9	6.0	31.4	3.7	3.9	0.0	0.0	25.9	300.4	-4.0	-0.7	-2.8
1943	W	66.4	394.5	22.2	0.0	-0.4	0.0	0.0	-1.2	-0.1	0.0	0.0	0.0
1944	BN	0.1	0.2	0.0	0.0	-0.1	0.0	-5.9	-6.8	0.4	724.8	774.3	0.2
1945	AN	-332.5	-238.0	189.6	94.4	757.8	15.6	25.2	35.5	154.2	-8.8	431.6	-33.4
1946	AN	123.0	-61.7	123.2	-16.0	1,222.4	49.3	-107.4	12.8	0.3	-5.9	-4.5	13.1
1947	D	-703.7	26.0	448.7	366.5	50.4	33.2	0.5	0.0	-15.1	3.2	-1,176.6	472.5
1948	BN	619.4	335.3	-355.7	37.5	-1.5	-151.8	297.3	-4.9	-0.3	-1.5	96.1	-1.9
1949	BN	757.6	-464.1	-28.6	-0.2	1.4	958.7	0.2	16.7	-1.4	-60.3	35.5	100.9
1950	BN	203.6	-148.1	199.7	-30.2	-1.0	7.5	16.0	-450.8	103.2	-2.5	371.5	-4.9
1951	AN	211.6	-650.8	724.7	1,533.4	-5.2	-1.9	-6.1	-8.4	0.2	-60.2	-5.3	-0.4
1952	W	-1.8	80.8	-30.3	22.7	1,070.1	449.4	-1.3	-0.7	-0.5	-0.2	-0.2	-0.5
1953	BN	-0.2	-0.2	-0.3	-0.3	-0.3	-0.2	-6.1	-5.1	-0.8	-4.6	-3.8	1.3
1954	BN	-5.9	4.3	7.3	-19.4	-8.5	4.9	158.7	1,910.4	-0.2	-421.7	-793.1	-4.5
1955	D	-297.9	-323.5	-356.3	151.2	-20.0	-7.5	8.5	-8.9	0.7	187.6	31.7	118.7
1956	W	39.3	521.2	-1,018.0	1,630.3	-2.6	9.8	-3.8	106.7	908.0	1,487.7	255.8	14.7
1957	BN	22.5	322.2	-9.9	-1,694.8	-299.2	13.0	10.5	29.2	139.9	499.3	354.6	10.4
1958	W	4.7	172.5	215.8	1.1	-1,366.3	478.1	461.8	-0.2	-0.3	-0.9	0.0	-0.3
1959	D	797.0	0.5	-0.3	-0.9	-0.4	26.1	3.4	0.0	-23.0	5.4	-10.0	-8.1
1960	C	232.7	0.2	13.1	-302.4	-45.7	-54.9	0.0	0.0	0.8	114.9	84.8	8.5
1961	C	0.6	23.0	24.0	1.3	2.6	-304.8	2.1	0.0	4.4	-403.4	-56.4	-34.5
1962	BN	-191.3	393.9	384.2	273.2	-203.9	7.9	5.3	-4.4	1,682.9	-1,032.0	6.9	-26.0
1963	AN	368.2	9.6	-12.9	4.5	-432.0	145.7	-144.8	1.4	0.8	-34.0	0.5	0.4
1964	D	0.8	350.8	-17.9	5.7	64.2	32.3	-49.7	0.0	0.9	184.0	-78.3	138.2
1965	W	195.1	-7.8	714.5	10.3	929.2	-142.6	207.3	-27.4	0.5	-128.2	29.3	0.0
1966	BN	2,128.0	298.0	3.1	9.0	8.4	17.1	-2.9	51.8	223.9	115.3	649.4	71.9
1967	W	619.8	-90.7	-1,432.9	50.2	402.5	763.4	232.2	233.4	3.3	4.0	-3.4	0.9
1968	D	256.3	-1.7	169.0	123.5	192.5	336.4	-11.0	0.0	-2.7	-11.1	-1.4	-7.2
1969	W	-13.7	-210.5	0.3	876.3	967.4	247.5	-497.2	217.8	0.0	0.1	0.0	-6.7
1970	AN	-22.5	-0.3	-0.3	-0.2	-0.2	-0.2	-1.0	-6.1	4.9	-8.9	-2.9	-1.7
1971	BN	-3.9	-0.7	-3.7	-0.9	-152.5	433.2	-66.2	80.7	32.2	-46.3	-4.7	1.5
1972	D	5.0	1.0	2.2	38.4	1.5	294.9	249.5	0.0	-162.2	-157.3	-159.0	577.4
1973	AN	-624.3	-39.1	-97.4	903.5	-14.8	5.6	16.6	-15.1	2.6	-1.9	0.5	0.5
1974	W	2.7	35.3	753.9	1,336.9	1.1	2.5	-0.2	-0.2	-7.4	2,304.1	0.0	-12.8
1975	W	-1,641.3	-169.5	85.0	83.0	-593.1	262.2	-2.2	-1.2	353.1	281.1	0.0	6.5
1976	C	-0.2	0.0	-187.7	15.4	2.7	4.9	-1.2	0.0	0.4	127.9	3.6	42.4
1977	C	2.9	-4.9	12.6	2.3	0.3	-88.1	0.0	0.0	0.0	77.4	48.6	0.3
1978	W	-270.3	29.5	-22.2	0.4	-17.3	33.6	45.3	693.0	67.0	182.2	113.1	-0.4
1979	AN	30.5	8.9	7.7	23.3	80.4	149.0	17.6	-24.2	-123.5	-67.5	-1.2	-27.3
1980	W	396.8	-4.4	-2.6	-231.1	349.0	-25.0	-29.1	-20.6	103.5	1.4	-0.1	-2.8
1981	D	-2.4	-0.4	-2.6	106.0	-3.0	-9.7	-13.8	0.0	1.1	-3.4	5.7	-6.8
1982	W	43.5	184.8	-20.8	351.2	1,464.7	35.3	-4.6	-4.8	-5.1	2.8	0.7	-0.5
1983	W	-8.8	-2.3	-2.1	-1.9	-3.2	-1.7	-1.7	-1.5	-1.5	-1.3	-1.7	-1.4
1984	AN	-1.4	-1.4	-1.3	-1.3	-1.5	-1.2	0.2	-8.8	13.7	-2.9	-13.1	21.7
1985	D	-3.2	-22.7	-0.9	-184.0	5.7	-27.7	10.5	-31.7	7.5	-0.9	-3.6	-304.1
1986	W	136.3	10.9	7.4	63.7	2,136.2	1,358.0	-1.6	-0.7	0.0	1.4	16.5	-0.2
1987	C	1.0	5.8	-1.1	-0.7	-0.5	-0.7	6.4	0.0	-6.5	61.7	83.1	21.3
1988	C	1.6	7.1	-0.1	0.6	-78.2	0.7	-0.8	0.0	97.3	8.9	7.5	8.8
1989	C	0.0	6.2	0.1	0.0	0.1	1.0	1.4	0.0	-18.8	0.0	-129.2	-6.6
1990	C	32.3	26.7	30.7	17.9	-0.4	-5.7	-9.2	0.0	0.1	0.0	263.2	0.0
1991	C	117.8	-131.4	0.0	-28.0	166.9	-6.0	30.0	0.0	1,528.2	-735.2	-850.9	4.5
1992	C	-1.9	-1.2	71.3	50.2	33.8	-0.5	-806.3	0.0	311.3	14.6	-123.3	115.1
1993	W	203.1	0.2	-9.5	86.3	5.5	3.1	439.7	-1.1	732.9	4.3	3.2	3.3
1994	C	5.0	-3.0	-2.5	-1.5	185.7	-0.9	5.7	0.0	-0.4	-0.3	-26.9	-2.2
Average		73.2	5.0	18.5	85.5	143.2	85.1	24.8	45.2	109.4	37.6	18.1	22.7
Maximum		2,128.0	521.2	753.9	1,630.3	2,311.5	1,358.0	538.4	1,910.4	1,682.9	2,304.1	774.3	577.4
Minimum		-1,641.3	-650.8	-1,432.9	-1,694.8	-1,366.3	-304.8	-806.3	-450.8	-162.2	-1,032.0	-1,176.6	-304.1
Average by Year Type													
W		8.5	40.2	-15.1	245.4	310.9	174.6	47.0	77.2	157.6	203.9	20.6	5.6
AN		27.6	-89.2	50.0	155.6	292.2	40.0	62.4	13.1	6.0	-28.9	52.9	3.4
BN		302.7	78.5	16.6	-117.8	-50.7	164.9	33.7	133.9	186.3	-72.9	158.7	17.2
D		5.0	5.3	43.9	72.5	39.5	61.2	17.6	-3.3	52.6	63.1	-103.0	81.5
C		68.7	-12.2	16.7	-14.5	20.1	-30.6	-37.3	0.0	120.9	-46.6	-37.8	24.7

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaInflowCFS

Table C-64. Delta Inflow: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	3.5%	-4.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.3%	-4.3%	0.3%	0.7%	-0.2%
1926	D	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	-0.3%	-2.9%	0.0%	0.2%
1927	AN	1.6%	0.0%	0.1%	0.0%	0.3%	0.0%	0.5%	0.6%	0.0%	-1.6%	0.0%	0.0%	0.2%
1928	BN	0.7%	1.2%	0.0%	0.1%	0.0%	0.6%	0.0%	0.0%	0.0%	0.1%	2.1%	-0.3%	0.4%
1929	C	0.1%	3.0%	0.9%	0.8%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.5%	1.9%	-0.2%	0.6%
1930	C	2.2%	0.0%	0.0%	0.0%	0.2%	0.0%	1.3%	0.0%	0.3%	-0.3%	-1.1%	1.2%	0.2%
1931	C	0.0%	0.0%	1.3%	-0.7%	0.0%	-0.4%	-0.3%	0.0%	0.0%	0.0%	0.4%	0.7%	0.1%
1932	AN	2.3%	-3.5%	-0.4%	-0.3%	-0.3%	0.0%	0.0%	0.0%	0.0%	-1.0%	1.9%	0.0%	-0.2%
1933	D	0.0%	0.0%	2.1%	1.1%	1.0%	0.0%	0.0%	0.0%	-0.8%	0.0%	0.2%	0.1%	0.3%
1934	C	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.1%	0.7%	0.0%
1935	AN	2.3%	-0.6%	-0.6%	-0.2%	-0.2%	0.0%	0.4%	-0.1%	0.0%	0.7%	0.8%	0.0%	0.2%
1936	AN	1.0%	0.8%	-0.4%	0.1%	2.8%	0.5%	1.7%	0.1%	-0.1%	0.2%	-0.1%	0.4%	1.0%
1937	W	2.7%	-1.3%	0.1%	0.0%	1.1%	0.0%	0.2%	1.1%	2.2%	-0.3%	0.0%	0.0%	0.5%
1938	W	0.1%	0.0%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%	0.0%
1939	D	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	3.8%	-0.7%	0.6%
1940	AN	-0.8%	0.7%	-0.3%	-0.8%	-0.3%	0.0%	0.0%	0.0%	0.3%	0.4%	0.0%	0.0%	-0.1%
1941	W	0.0%	0.0%	1.6%	0.6%	0.2%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.3%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.9%	0.0%	0.0%	0.0%	0.1%
1943	W	0.3%	2.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	4.5%	0.0%	0.7%
1945	AN	-2.5%	-1.5%	1.0%	0.6%	1.3%	0.1%	0.1%	0.2%	0.7%	0.0%	2.4%	-0.2%	0.4%
1946	AN	0.8%	-0.4%	0.2%	0.0%	4.5%	0.2%	-0.5%	0.1%	0.0%	0.0%	0.0%	0.1%	0.4%
1947	D	-4.2%	0.2%	2.4%	2.8%	0.2%	0.1%	0.0%	0.0%	-0.1%	0.0%	-6.9%	3.4%	-0.3%
1948	BN	5.2%	2.7%	-3.2%	0.2%	0.0%	-0.8%	0.9%	0.0%	0.0%	0.0%	0.5%	0.0%	0.4%
1949	BN	5.2%	-3.6%	-0.2%	0.0%	0.0%	2.0%	0.0%	0.1%	0.0%	-0.3%	0.2%	0.8%	0.6%
1950	BN	1.8%	-1.4%	1.7%	-0.1%	0.0%	0.0%	0.1%	-2.0%	0.4%	0.0%	2.0%	0.0%	0.1%
1951	AN	1.5%	-1.2%	0.7%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.4%
1952	W	0.0%	0.5%	-0.1%	0.0%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.3%	7.2%	0.0%	-1.8%	-4.2%	0.0%	0.2%
1955	D	-1.8%	-2.0%	-1.5%	0.7%	-0.1%	-0.1%	0.1%	-0.1%	0.0%	1.0%	0.2%	1.0%	-0.3%
1956	W	0.4%	4.1%	-1.0%	1.0%	0.0%	0.0%	0.0%	0.2%	3.3%	6.6%	1.4%	0.1%	0.7%
1957	BN	0.1%	2.2%	-0.1%	-10.4%	-0.8%	0.0%	0.0%	0.1%	0.7%	2.2%	2.1%	0.1%	-0.2%
1958	W	0.0%	1.0%	0.8%	0.0%	-0.7%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	3.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	0.0%	-0.1%	0.0%	0.3%
1960	C	1.5%	0.0%	0.1%	-2.2%	-0.1%	-0.2%	0.0%	0.0%	0.0%	0.6%	0.7%	0.1%	0.0%
1961	C	0.0%	0.2%	0.1%	0.0%	0.0%	-1.5%	0.0%	0.0%	0.0%	-2.1%	-0.3%	-0.3%	-0.4%
1962	BN	-1.4%	3.7%	2.2%	2.3%	-0.4%	0.0%	0.0%	0.0%	9.6%	-4.4%	0.0%	-0.2%	0.5%
1963	AN	1.0%	0.1%	0.0%	0.0%	-0.5%	0.4%	-0.2%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%
1964	D	0.0%	1.3%	-0.1%	0.0%	0.4%	0.2%	-0.2%	0.0%	0.0%	0.9%	-0.4%	0.8%	0.3%
1965	W	1.6%	0.0%	0.8%	0.0%	2.3%	-0.5%	0.4%	-0.1%	0.0%	-0.5%	0.2%	0.0%	0.4%
1966	BN	15.5%	1.4%	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	1.2%	0.6%	3.6%	0.5%	1.4%
1967	W	4.2%	-0.5%	-3.5%	0.1%	0.7%	1.1%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%
1968	D	1.0%	0.0%	0.9%	0.4%	0.3%	0.9%	-0.1%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.3%
1969	W	-0.1%	-1.4%	0.0%	0.7%	0.7%	0.4%	-0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.2%
1970	AN	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	-0.5%	0.8%	-0.2%	0.2%	0.1%	-0.2%	0.0%	0.0%	0.1%
1972	D	0.0%	0.0%	0.0%	0.2%	0.0%	0.8%	1.7%	0.0%	-0.8%	-0.7%	-0.9%	4.5%	0.3%
1973	AN	-4.8%	-0.2%	-0.4%	1.0%	0.0%	0.0%	0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.1%	1.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.3%	0.0%	-0.1%	0.7%
1975	W	-8.0%	-1.0%	0.4%	0.5%	-0.8%	0.3%	0.0%	0.0%	1.1%	1.2%	0.0%	0.0%	-0.3%
1976	C	0.0%	0.0%	-1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.3%	0.0%
1977	C	0.0%	0.0%	0.1%	0.0%	0.0%	-0.9%	0.0%	0.0%	0.0%	0.5%	0.5%	0.0%	0.0%
1978	W	-3.3%	0.3%	-0.1%	0.0%	0.0%	0.0%	0.1%	2.1%	0.2%	0.8%	0.6%	0.0%	0.2%
1979	AN	0.2%	0.1%	0.1%	0.1%	0.2%	0.4%	0.1%	-0.1%	-0.5%	-0.3%	0.0%	-0.2%	0.0%
1980	W	2.6%	0.0%	0.0%	-0.2%	0.3%	0.0%	-0.1%	-0.1%	0.5%	0.0%	0.0%	0.0%	0.1%
1981	D	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.3%	0.5%	0.0%	0.4%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.1%	0.0%
1985	D	0.0%	-0.1%	0.0%	-1.2%	0.0%	-0.2%	0.1%	-0.2%	0.0%	0.0%	0.0%	-1.8%	-0.2%
1986	W	0.8%	0.1%	0.0%	0.2%	0.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.6%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.4%	0.6%	0.2%	0.1%
1988	C	0.0%	0.1%	0.0%	0.0%	-0.6%	0.0%	0.0%	0.0%	0.7%	0.1%	0.1%	0.1%	0.0%
1989	C	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	-0.7%	0.0%	-0.1%
1990	C	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	2.7%	0.0%	0.2%
1991	C	1.3%	-1.5%	0.0%	-0.4%	1.6%	0.0%	0.2%	0.0%	16.3%	-5.7%	-8.5%	0.0%	0.0%
1992	C	0.0%	0.0%	0.9%	0.4%	0.1%	0.0%	-5.6%	0.0%	2.8%	0.1%	-1.3%	1.1%	-0.2%
1993	W	2.2%	0.0%	-0.1%	0.1%	0.0%	0.0%	1.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.4%
1994	C	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.1%
Average		0.6%	0.0%	0.1%	0.0%	0.2%	0.1%	0.0%	0.1%	0.7%	0.2%	0.1%	0.2%	0.2%
Maximum		15.5%	4.1%	2.4%	2.8%	4.5%	2.0%	1.7%	7.2%	16.3%	11.3%	4.5%	4.5%	1.4%
Minimum		-8.0%	-4.6%	-3.5%	-10.4%	-0.8%	-1.5%	-5.6%	-2.0%	-0.8%	-5.7%	-8.5%	-1.8%	-0.4%
Average by Year Type														
W		0.2%	0.2%	0.0%	0.2%	0.4%	0.2%	0.1%	0.2%	0.6%	1.0%	0.1%	0.0%	0.2%
AN		0.2%	-0.4%	0.0%	0.2%	0.6%	0.1%	0.2%	0.0%	0.0%	-0.1%	0.3%	0.0%	0.2%
BN		2.3%	0.5%	0.0%	-0.7%	-0.1%	0.2%	0.1%	0.5%	1.0%	-0.4%	0.9%	0.1%	0.3%
D		-0.2%	0.0%	0.3%	0.4%	0.2%	0.2%	0.1%	0.0%	0.4%	0.3%	-0.6%	0.7%	0.1%
C		0.6%	-0.2%	0.2%	-0.1%	0.1%	-0.2%	-0.3%	0.0%	1.2%	-0.3%	-0.3%	0.2%	0.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaInflowTAF

Table C-65. Delta Outflow: Alternative 1 in TAF

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	246	268	683	470	1,952	1,685	1,501	3,319	2,095	492	246	244	13,200
1923	AN	299	297	1,710	1,792	832	672	1,692	1,134	471	400	246	268	9,812
1924	C	246	319	286	380	571	622	391	701	238	246	258	179	4,436
1925	BN	235	298	447	488	3,617	1,672	1,264	815	516	307	281	185	10,125
1926	D	292	270	293	628	2,004	601	1,285	757	291	307	334	179	7,239
1927	AN	246	778	811	1,629	7,220	2,215	2,792	1,588	706	522	246	242	18,994
1928	BN	256	397	357	826	984	6,351	1,550	1,009	344	520	246	190	13,029
1929	C	285	373	310	346	573	622	412	717	339	246	277	179	4,678
1930	C	232	312	591	861	728	1,472	635	690	318	307	364	179	6,690
1931	C	246	319	277	481	433	397	404	725	238	246	272	179	4,218
1932	AN	228	347	1,043	942	889	701	707	806	606	307	275	179	7,030
1933	D	263	305	446	576	559	595	597	685	336	246	289	179	5,076
1934	C	212	341	456	732	683	701	595	714	324	246	290	179	5,471
1935	AN	208	408	295	1,786	627	1,280	3,263	1,621	647	400	246	238	11,019
1936	AN	276	301	429	2,018	4,543	1,518	1,552	1,133	602	400	246	229	13,248
1937	W	254	331	365	600	2,482	2,799	1,676	1,376	568	400	246	179	11,274
1938	W	283	865	3,307	2,008	8,181	10,352	4,613	4,612	2,569	492	246	383	37,910
1939	D	744	270	475	527	440	687	597	684	267	307	275	182	5,455
1940	AN	299	288	294	1,851	3,508	6,389	3,939	1,122	442	492	246	211	19,080
1941	W	288	369	2,203	6,024	6,895	5,590	4,533	2,797	874	492	265	413	30,743
1942	W	385	282	3,621	5,052	8,051	1,162	2,979	2,265	1,181	492	246	372	26,088
1943	W	464	410	1,345	5,286	3,358	5,330	1,700	1,294	524	553	246	226	20,737
1944	BN	255	316	286	415	1,177	913	680	700	439	307	215	219	5,924
1945	AN	331	303	715	444	2,642	1,179	867	943	542	400	246	233	8,843
1946	AN	291	343	4,243	2,566	1,389	982	749	888	518	400	246	231	12,846
1947	D	309	330	408	369	705	945	666	628	331	307	251	179	5,428
1948	BN	371	268	294	520	645	696	1,544	1,845	722	400	246	250	7,800
1949	BN	289	327	320	370	431	2,567	779	819	445	307	220	179	7,053
1950	BN	351	268	340	945	1,599	855	1,228	1,031	639	400	246	255	8,156
1951	AN	272	2,600	6,087	3,997	3,820	1,520	879	1,315	363	591	246	234	21,924
1952	W	246	396	2,288	5,326	4,375	3,905	4,386	4,385	2,403	492	246	637	29,085
1953	BN	830	268	2,245	6,493	1,183	897	988	1,590	927	671	246	433	16,770
1954	BN	267	330	377	1,266	3,173	2,634	2,354	1,324	365	492	246	246	13,074
1955	D	286	373	690	698	633	473	754	711	416	307	258	179	5,778
1956	W	286	336	6,063	10,424	4,609	1,886	1,150	2,587	854	492	262	499	29,448
1957	BN	509	268	277	358	1,404	2,569	1,121	1,083	518	492	246	254	9,097
1958	W	373	287	994	1,928	9,887	5,789	5,927	3,274	1,758	492	246	563	31,519
1959	D	789	268	277	1,576	2,915	1,282	529	617	492	423	246	302	9,717
1960	C	246	355	370	353	1,380	926	678	744	330	307	286	179	6,155
1961	C	291	346	496	369	976	754	606	748	317	307	290	179	5,679
1962	BN	332	281	500	369	2,495	1,178	684	732	454	400	246	242	7,911
1963	AN	1,558	272	1,106	517	4,042	1,589	5,165	2,011	635	586	246	245	17,970
1964	D	291	976	281	827	644	488	881	647	334	307	301	242	6,220
1965	W	246	376	4,970	7,167	1,540	1,150	2,566	1,432	446	679	246	243	21,062
1966	BN	248	588	621	1,514	1,204	1,372	730	707	430	400	249	226	8,289
1967	W	311	378	1,821	2,920	2,740	3,644	3,321	3,633	2,609	546	246	676	22,846
1968	D	788	287	454	1,564	3,637	1,822	821	630	363	437	246	237	11,286
1969	W	284	347	927	7,636	7,337	3,439	3,348	4,324	2,072	492	246	330	30,780
1970	AN	866	365	3,571	13,259	4,339	2,088	925	836	443	733	246	227	27,899
1971	BN	246	499	3,277	2,571	1,449	2,454	1,209	1,804	680	671	246	479	15,586
1972	D	304	269	442	446	1,005	1,600	667	623	615	400	246	191	6,806
1973	AN	280	603	926	5,160	4,930	3,268	965	1,161	580	492	246	246	18,857
1974	W	290	3,146	3,971	7,958	1,833	6,539	4,238	1,595	757	497	246	616	31,685
1975	W	397	282	420	369	3,231	5,686	1,436	1,860	1,026	492	246	567	16,012
1976	C	672	283	339	313	526	584	484	669	238	246	216	232	4,803
1977	C	222	286	350	439	372	375	422	843	238	246	327	179	4,299
1978	W	218	320	551	4,109	2,645	4,129	2,501	1,709	880	492	246	334	18,133
1979	AN	267	268	365	1,017	2,759	1,915	1,171	1,007	603	400	246	221	10,238
1980	W	293	345	561	6,695	7,502	3,501	1,133	1,124	621	492	246	272	22,784
1981	D	275	268	445	906	1,242	1,330	797	626	318	307	270	246	7,032
1982	W	279	1,471	5,372	4,934	5,728	4,955	8,365	3,173	1,212	492	246	581	36,808
1983	W	1,206	2,200	5,307	6,831	10,161	15,795	4,930	5,014	4,880	1,757	489	1,287	59,856
1984	AN	1,369	4,808	9,965	3,977	2,109	1,977	1,006	686	507	665	246	220	27,534
1985	D	328	1,017	796	369	590	771	630	700	324	307	269	246	6,347
1986	W	310	311	714	1,041	12,301	8,815	1,457	1,102	575	492	282	277	27,677
1987	C	273	289	343	367	736	1,312	653	625	328	307	224	179	5,635
1988	C	353	268	844	1,187	643	484	454	670	344	246	279	179	5,952
1989	C	267	300	345	443	437	2,476	1,141	706	323	307	323	222	7,289
1990	C	254	378	277	523	633	565	586	799	238	246	302	179	4,979
1991	C	208	361	288	277	414	1,543	680	821	238	246	305	179	5,559
1992	C	220	321	215	412	1,539	896	617	634	331	246	288	179	5,897
1993	W	219	323	394	4,061	2,978	1,832	2,084	1,982	1,105	492	246	230	15,947
1994	C	286	293	407	339	1,132	677	486	705	238	246	332	243	5,382
Average		370	533	1,342	2,250	2,698	2,389	1,659	1,389	710	430	264	283	14,318
Maximum		1,558	4,808	9,965	13,259	12,301	15,795	8,365	5,014	4,880	1,757	489	1,287	59,856
Minimum		208	268	215	277	372	375	391	617	238	246	215	179	4,218
Average by Year Type														
W		344	652	2,294	4,542	5,389	4,899	3,192	2,643	1,450	566	262	446	26,680
AN		485	856	2,254	2,925	3,118	1,949	1,834	1,161	547	485	248	230	16,092
BN		349	342	778	1,345	1,613	2,013	1,178	1,122	540	447	244	263	10,235
D		424	421	455	771	1,307	963	748	664	372	333	271	215	6,944
C		282	322	387	489	736	900	578	720	289	265	290	189	5,445

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaOutflowTAF

Table C-66. Delta Outflow: Difference in TAF (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	-0.3
1924	C	0.0	-9.4	7.6	-2.6	0.0	0.0	-0.1	0.0	0.0	0.0	-0.4	0.0	-4.8
1925	BN	0.3	-0.2	0.2	58.4	2.1	-0.2	0.0	-60.1	8.4	0.0	10.9	1.9	21.7
1926	D	-10.8	1.8	1.9	2.4	0.3	-0.4	-0.2	71.6	-9.6	0.0	4.6	0.0	61.5
1927	AN	0.0	-0.6	1.3	0.1	14.1	-100.2	15.5	12.6	0.2	-24.6	0.0	0.0	-81.6
1928	BN	5.9	-7.2	0.1	0.5	0.4	42.6	-0.2	-0.1	0.0	-1.7	0.0	-0.8	39.6
1929	C	0.7	7.2	-0.3	-1.1	0.1	0.3	0.0	0.0	0.0	0.0	-1.0	0.0	5.9
1930	C	12.6	-25.7	5.8	0.3	1.5	0.5	9.9	0.0	-5.1	0.0	11.0	0.0	10.9
1931	C	0.0	-4.0	0.0	-0.4	0.0	19.4	-1.6	0.0	0.0	0.0	0.1	0.0	13.6
1932	AN	-4.5	1.5	-6.6	-5.0	-2.2	0.0	-4.5	59.3	-0.5	0.0	-3.1	0.0	34.5
1933	D	-0.4	0.2	9.4	11.5	6.5	-0.3	-0.1	-0.1	0.0	0.0	0.5	0.0	27.3
1934	C	-0.7	0.9	-0.4	-77.6	0.0	0.0	0.1	0.0	0.1	0.0	0.4	0.0	-77.2
1935	AN	-4.2	3.0	-5.1	-3.2	1.5	0.1	15.2	-2.4	-0.3	0.0	0.0	-0.2	4.3
1936	AN	3.7	-5.5	7.0	3.4	133.3	-10.5	29.4	0.9	-0.7	0.0	0.0	1.5	162.5
1937	W	-8.5	6.3	-7.0	0.3	33.8	4.6	5.0	18.8	-2.9	0.0	0.0	0.0	50.4
1938	W	1.0	-0.1	-20.5	1.1	-5.9	-0.2	-0.1	-0.1	16.3	0.0	0.0	6.2	-2.2
1939	D	-0.4	0.5	-0.1	-0.2	0.1	0.0	0.0	0.0	0.1	0.0	12.7	-1.9	10.8
1940	AN	-9.3	15.3	-13.0	-18.5	-11.0	0.1	0.9	0.5	2.1	0.0	0.0	0.1	-32.8
1941	W	-0.1	0.6	35.5	33.3	14.8	-6.7	1.1	1.3	-0.1	0.0	-0.1	0.3	79.8
1942	W	0.4	0.1	1.9	1.7	0.2	0.0	0.0	1.6	17.9	0.0	0.0	-0.1	23.7
1943	W	4.1	23.5	1.1	37.4	0.6	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	66.6
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	-0.4
1945	AN	-4.0	4.4	133.0	0.0	42.1	0.6	1.3	-69.2	6.0	0.0	0.0	-0.7	113.4
1946	AN	2.6	-11.0	7.5	-1.2	1.3	1.9	-5.3	0.8	0.0	0.0	0.0	0.3	-3.0
1947	D	-11.8	5.7	23.0	-39.0	1.7	62.6	-0.1	-0.1	-0.7	0.0	-23.0	0.0	18.2
1948	BN	38.7	-7.3	-19.7	25.5	0.0	-6.1	17.1	-0.2	0.1	0.0	0.0	0.0	48.0
1949	BN	11.2	-11.1	-1.9	6.7	0.2	58.9	0.0	1.0	-0.1	0.0	4.6	0.0	69.6
1950	BN	9.6	0.0	-2.5	-1.8	0.0	0.3	0.9	-27.7	4.0	0.0	0.0	-0.1	-17.3
1951	AN	-5.2	-38.7	44.6	116.5	13.2	-2.8	-0.3	-0.5	0.0	-1.0	0.0	0.0	125.7
1952	W	0.0	1.1	-1.8	1.4	61.6	27.6	-0.1	0.0	0.0	0.0	0.0	0.0	89.7
1953	BN	0.0	0.0	0.0	1.9	-0.1	0.0	-0.3	-0.3	0.0	0.0	0.0	0.2	1.3
1954	BN	-0.1	0.3	-0.2	-1.1	-0.4	0.3	9.4	-1.5	0.0	-34.3	0.0	-0.1	-27.8
1955	D	3.7	-13.5	-21.9	9.2	0.0	-0.3	-0.1	-0.6	0.0	0.0	3.6	0.0	-19.9
1956	W	-21.0	35.5	-62.6	100.2	-0.2	-2.5	-0.2	6.6	54.0	-6.6	16.0	1.0	120.3
1957	BN	1.6	0.0	0.0	-37.8	-58.7	12.1	0.5	1.8	0.0	0.0	0.0	0.2	-80.2
1958	W	0.0	5.9	-7.8	-0.1	-76.1	29.7	-13.8	0.0	0.0	0.0	0.0	0.0	-62.2
1959	D	49.0	0.0	0.0	-27.4	-9.7	2.9	0.2	0.0	-0.9	1.1	0.0	-0.2	15.0
1960	C	0.0	4.9	1.1	-18.5	-2.4	-2.2	0.0	0.0	0.0	0.0	1.2	0.0	-15.9
1961	C	-0.4	1.3	-0.3	0.0	0.1	-12.2	0.1	0.0	0.2	0.0	-1.9	0.0	-13.1
1962	BN	-10.3	9.9	21.7	0.0	-11.3	0.3	0.3	0.1	65.1	-49.9	0.0	-0.5	25.5
1963	AN	22.2	0.2	-0.8	0.2	-24.3	2.9	-8.6	0.1	0.0	-2.0	0.0	0.0	-10.1
1964	D	0.0	20.9	-0.4	0.3	0.0	0.0	-2.5	0.0	0.0	0.0	-0.7	2.9	20.6
1965	W	0.0	-0.6	36.1	0.6	51.6	-10.6	12.3	-2.4	0.0	-5.2	0.0	0.0	81.9
1966	BN	2.4	17.7	0.0	0.4	93.8	116.2	-120.9	-56.3	-2.4	0.0	3.3	1.5	55.7
1967	W	6.2	-2.8	-88.4	2.6	21.7	47.0	13.8	14.3	0.2	0.5	0.0	0.5	15.8
1968	D	16.0	0.0	13.4	9.7	13.5	20.7	-0.6	0.0	-0.1	0.2	0.0	-0.2	72.6
1969	W	0.2	-3.3	0.1	54.0	53.8	15.1	-29.6	13.4	0.0	0.0	0.0	-0.4	103.3
1970	AN	-1.4	7.3	1.4	0.0	0.0	0.0	-0.1	-0.4	0.2	-0.1	0.0	0.0	6.9
1971	BN	0.0	0.0	-0.2	0.0	0.0	26.6	-3.6	5.0	1.2	-2.4	0.0	0.2	26.8
1972	D	0.6	0.0	-0.7	2.4	-1.8	15.2	14.8	0.0	-7.8	0.0	0.0	12.0	34.8
1973	AN	-25.9	-2.3	104.2	-207.1	-0.8	0.2	0.8	-0.9	0.1	0.0	0.0	0.0	-131.8
1974	W	0.1	2.1	37.9	81.7	0.0	0.0	242.7	0.0	-0.3	4.7	0.0	-0.8	368.2
1975	W	-100.9	-3.5	5.2	0.0	-32.9	16.1	-0.1	-0.1	13.7	0.0	0.0	0.4	-102.2
1976	C	0.0	0.0	-11.6	9.4	0.4	0.2	-0.1	0.0	0.0	0.0	0.3	0.0	-1.4
1977	C	0.4	0.0	0.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	-1.0	0.0	1.2
1978	W	1.0	-4.5	2.4	0.0	-10.1	2.1	2.7	42.6	3.6	0.0	0.0	0.2	39.9
1979	AN	0.7	0.0	33.8	-83.5	6.0	9.2	153.7	-1.5	-8.4	0.0	0.0	-0.6	109.4
1980	W	-6.9	7.7	-111.4	119.9	40.4	-11.4	-1.6	-1.3	4.0	0.0	0.0	-0.2	39.3
1981	D	-0.1	0.0	0.1	0.8	-0.2	-1.5	-0.7	0.0	0.0	0.0	0.3	-0.1	-1.4
1982	W	0.8	11.1	-1.2	21.6	81.4	2.1	-0.3	-0.3	-0.3	0.0	-0.1	-0.1	114.8
1983	W	-0.7	-0.2	-3.6	-0.1	-1.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-6.7
1984	AN	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.5	0.5	-0.1	0.0	0.5	0.4
1985	D	-0.2	-1.2	0.0	0.0	0.2	-1.3	0.5	-2.0	0.3	0.0	-0.2	-6.3	-10.1
1986	W	6.7	-2.3	0.4	3.8	118.6	83.5	-0.1	0.0	0.0	0.0	1.0	0.0	211.6
1987	C	0.0	-0.1	0.2	-0.3	0.0	-2.2	0.4	0.0	0.0	0.0	0.1	0.0	-2.0
1988	C	0.8	0.0	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
1989	C	0.6	-0.7	0.2	-0.2	0.0	0.1	0.1	0.0	-1.0	0.0	-2.2	-0.1	-3.3
1990	C	2.2	-3.1	0.0	1.1	0.0	31.5	-0.5	0.0	0.0	0.0	-12.5	0.0	18.6
1991	C	13.1	-28.1	73.2	0.0	3.0	-0.1	1.8	0.0	0.0	0.0	12.8	0.0	75.7
1992	C	0.3	-7.2	0.0	5.9	2.1	0.0	0.0	0.0	0.0	0.0	1.2	0.0	2.3
1993	W	14.9	-32.6	8.8	5.3	0.3	0.1	26.2	-0.1	43.6	0.0	0.0	0.1	66.6
1994	C	0.1	-0.8	1.2	0.0	26.5	-0.1	0.3	0.0	0.0	0.0	-1.5	0.0	25.8
Average		0.1	-0.4	3.2	2.8	8.1	6.6	5.2	0.3	2.7	-1.7	0.5	0.2	27.7
Maximum		49.0	35.5	133.0	119.9	133.3	116.2	242.7	71.6	65.1	4.7	16.0	12.0	368.2
Minimum		-100.9	-38.7	-111.4	-207.1	-76.1	-100.2	-120.9	-69.2	-9.6	-49.9	-23.0	-6.3	-131.8
Average by Year Type														
W		-5.1	2.2	-8.7	23.2	17.6	9.8	12.9	4.7	7.5	-0.3	0.8	0.3	64.9
AN		-1.8	-1.9	21.9	-14.2	12.4	-7.1	14.1	-0.1	-0.1	-2.0	-0.2	0.1	21.2
BN		4.9	0.2	-0.2	4.4	2.2	20.9	-8.1	-11.6	6.4	-7.4	1.6	0.2	13.5
D		4.1	1.3	2.3	-2.8	1.0	8.9	1.0	6.3	-1.7	0.1	-0.2	0.6	20.9
C		1.9	-4.0	4.8	-5.2	2.0	2.3	0.6	0.0	-0.4	0.0	0.4	0.0	2.3

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaOutflowTAF

Table C-67. Delta Outflow: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	4,000	4,500	11,113	7,638	35,140	27,410	25,222	53,980	35,202	8,000	4,000	4,101
1923	AN	4,862	4,992	27,804	29,149	14,973	10,926	28,438	18,439	7,908	6,500	4,000	4,507
1924	C	4,000	5,358	4,659	6,183	9,923	10,109	6,570	11,399	4,000	4,000	4,190	3,000
1925	BN	3,822	5,014	7,274	7,938	65,123	27,186	21,242	13,260	8,676	5,000	4,564	3,102
1926	D	4,744	4,530	4,762	10,206	36,079	9,778	21,593	12,317	4,885	5,000	5,424	3,000
1927	AN	4,000	13,071	13,192	26,496	129,998	36,017	46,920	25,820	11,858	8,493	4,000	4,071
1928	BN	4,160	6,675	5,806	13,433	17,112	103,287	26,054	16,411	5,773	8,455	4,000	3,187
1929	C	4,630	6,270	5,041	5,620	10,325	10,121	6,919	11,658	5,694	4,000	4,511	3,000
1930	C	3,766	5,241	9,610	14,007	13,114	23,942	10,674	11,227	5,349	5,000	5,921	3,000
1931	C	4,000	5,362	4,500	7,829	7,798	6,464	6,791	11,798	4,000	4,000	4,427	3,000
1932	AN	3,712	5,835	16,963	15,314	15,455	11,400	11,881	13,109	10,180	5,000	4,472	3,000
1933	D	4,280	5,123	7,260	9,364	10,058	9,675	10,035	11,147	5,649	4,000	4,705	3,000
1934	C	3,444	5,728	7,411	11,903	12,289	11,400	9,999	11,619	5,440	4,000	4,713	3,000
1935	AN	3,391	6,865	4,797	29,039	11,293	20,809	54,845	26,367	10,873	6,500	4,000	3,997
1936	AN	4,495	5,063	6,984	32,824	78,978	24,688	26,085	18,424	10,117	6,500	4,000	3,848
1937	W	4,123	5,562	5,931	9,762	44,686	45,515	28,166	22,383	9,539	6,500	4,000	3,000
1938	W	4,605	14,532	53,784	32,650	147,314	168,352	77,519	75,001	43,174	8,000	4,000	6,437
1939	D	12,095	4,537	7,727	8,577	7,921	11,166	10,026	11,123	4,490	5,000	4,466	3,065
1940	AN	4,861	4,843	4,774	30,107	60,989	103,905	66,199	18,244	7,421	8,000	4,000	3,547
1941	W	4,678	6,207	35,829	97,975	124,155	90,907	76,182	45,496	14,681	8,000	4,309	6,942
1942	W	6,257	4,736	58,887	82,168	144,964	18,897	50,063	36,839	19,853	8,000	4,000	6,249
1943	W	7,553	6,891	21,870	85,973	60,458	86,686	28,574	21,045	8,800	8,997	4,000	3,804
1944	BN	4,153	5,313	4,644	6,757	20,457	14,855	11,427	11,391	7,384	5,000	3,500	3,685
1945	AN	5,378	5,094	11,625	7,220	47,566	19,174	14,567	15,331	9,100	6,500	4,000	3,916
1946	AN	4,740	5,758	69,004	41,733	25,006	15,973	12,583	14,437	8,712	6,500	4,000	3,887
1947	D	5,026	5,539	6,644	6,000	12,692	15,373	11,195	10,214	5,560	5,000	4,085	3,000
1948	BN	6,029	4,500	4,787	8,457	11,208	11,317	25,950	30,011	12,134	6,500	4,000	4,197
1949	BN	4,694	5,504	5,211	6,018	7,759	41,745	13,083	13,323	7,485	5,000	3,575	3,000
1950	BN	5,704	4,500	5,534	15,366	28,790	13,911	20,639	16,765	10,731	6,500	4,000	4,282
1951	AN	4,430	43,690	98,995	65,003	68,787	24,726	14,769	21,379	6,100	9,606	4,000	3,939
1952	W	4,000	6,651	37,210	86,625	76,056	63,509	73,716	71,308	40,388	8,000	4,000	10,702
1953	BN	13,498	4,500	36,509	105,593	21,302	14,581	16,606	25,859	15,571	10,918	4,000	7,282
1954	BN	4,348	5,549	6,130	20,586	57,132	42,840	39,558	21,534	6,133	8,000	4,000	4,131
1955	D	4,651	6,264	11,219	11,346	11,400	7,699	12,668	11,562	6,996	5,000	4,195	3,000
1956	W	4,656	5,647	98,608	169,529	80,128	30,677	19,321	42,074	14,345	8,000	4,260	8,391
1957	BN	8,277	4,500	4,500	5,820	25,271	41,781	18,832	17,616	8,707	8,000	4,000	4,261
1958	W	6,059	4,829	16,162	31,352	178,027	94,155	99,614	53,249	29,545	8,000	4,000	9,468
1959	D	12,830	4,500	4,500	25,632	52,488	20,857	8,891	10,036	8,272	6,882	4,000	5,079
1960	C	4,000	5,971	6,021	5,747	23,993	15,056	11,400	12,106	5,539	5,000	4,656	3,000
1961	C	4,728	5,816	8,074	6,000	17,581	12,261	10,186	12,169	5,325	5,000	4,709	3,000
1962	BN	5,393	4,717	8,126	6,000	44,919	19,153	11,501	11,902	7,629	6,500	4,000	4,075
1963	AN	25,339	4,568	17,991	8,401	72,786	25,839	86,796	32,702	10,669	9,526	4,000	4,111
1964	D	4,726	16,406	4,570	13,455	11,196	7,936	14,811	10,522	5,617	5,000	4,890	4,075
1965	W	4,000	6,319	80,833	116,562	27,729	18,711	43,124	23,294	7,496	11,037	4,000	4,091
1966	BN	4,039	9,875	10,097	24,620	21,685	22,311	12,273	11,490	7,231	6,500	4,054	3,795
1967	W	5,054	6,360	29,613	47,487	49,344	59,269	55,815	59,092	43,845	8,884	4,000	11,356
1968	D	12,821	4,824	7,386	25,436	63,228	29,632	13,794	10,246	6,092	7,114	4,000	3,980
1969	W	4,619	5,832	15,074	124,182	132,101	55,926	56,264	70,325	34,814	8,000	4,000	5,547
1970	AN	14,082	6,138	58,082	215,644	78,130	33,956	15,545	13,603	7,442	11,920	4,000	3,817
1971	BN	4,000	8,393	53,298	41,820	26,092	39,911	20,313	29,341	11,426	10,906	4,000	8,057
1972	D	4,940	4,518	7,185	7,248	17,471	26,020	11,202	10,132	10,343	6,500	4,000	3,202
1973	AN	4,555	10,126	15,057	83,926	88,775	53,151	16,222	18,879	9,746	8,000	4,000	4,131
1974	W	4,721	52,867	64,588	129,421	33,006	106,341	71,229	25,936	12,721	8,077	4,000	10,347
1975	W	6,453	4,737	6,826	6,000	58,172	92,470	24,137	30,253	17,246	8,000	4,000	9,533
1976	C	10,936	4,755	5,519	5,093	9,153	9,494	8,131	10,875	4,000	4,000	3,519	3,892
1977	C	3,611	4,815	5,687	7,144	6,696	6,092	7,100	13,717	4,000	4,000	5,315	3,000
1978	W	3,540	5,370	8,966	66,820	47,622	67,151	42,029	27,798	14,793	8,000	4,000	5,618
1979	AN	4,335	4,500	5,936	16,538	49,670	31,138	19,685	16,383	10,131	6,500	4,000	3,719
1980	W	4,767	5,800	9,121	108,888	130,429	56,937	19,039	18,274	10,430	8,000	4,000	4,564
1981	D	4,479	4,500	7,231	14,742	22,367	21,636	13,399	10,180	5,341	5,000	4,398	4,132
1982	W	4,532	24,729	87,360	80,252	103,145	80,578	140,577	51,607	20,362	8,000	4,000	9,763
1983	W	19,617	36,967	86,312	111,099	182,955	256,888	82,847	81,539	82,008	28,569	7,958	21,624
1984	AN	22,257	80,793	162,062	64,674	36,669	32,155	16,911	11,153	8,526	10,813	4,000	3,704
1985	D	5,329	17,087	12,954	6,000	10,615	12,544	10,587	11,387	5,441	5,000	4,370	4,137
1986	W	5,048	5,221	11,609	16,931	221,494	143,356	24,483	17,921	9,669	8,000	4,583	4,655
1987	C	4,438	4,852	5,580	5,962	13,253	21,333	10,971	10,161	5,517	5,000	3,641	3,000
1988	C	5,744	4,500	13,730	19,307	11,184	7,872	7,626	10,904	5,785	4,000	4,538	3,000
1989	C	4,335	5,039	5,603	7,199	7,867	40,265	19,169	11,486	5,427	5,000	5,251	3,734
1990	C	4,125	6,356	4,500	8,513	11,400	9,187	9,845	12,987	4,000	4,000	4,910	3,000
1991	C	3,379	6,070	4,690	4,500	7,448	25,091	11,430	13,352	4,000	4,000	4,954	3,000
1992	C	3,575	5,402	3,500	6,708	26,749	14,568	10,361	10,312	5,554	4,000	4,688	3,000
1993	W	3,557	5,422	6,401	66,044	53,630	29,802	35,031	32,238	18,578	8,000	4,000	3,871
1994	C	4,645	4,916	6,627	5,509	20,381	11,004	8,159	11,459	4,000	4,000	5,404	4,079
Average		6,023	8,957	21,828	36,590	48,235	38,861	27,882	22,588	11,938	6,989	4,290	4,763
Maximum		25,339	80,793	162,062	215,644	221,494	256,888	140,577	81,539	82,008	28,569	7,958	21,624
Minimum		3,379	4,500	3,500	4,500	6,696	6,092	6,570	10,036	4,000	4,000	3,500	3,000
Average by Year Type													
W		5,592	10,959	37,305	73,868	96,528	79,677	53,648	42,983	24,374	9,203	4,256	7,503
AN		7,888	14,381	36,662	47,576	55,648	31,704	30,818	18,876	9,199	7,883	4,034	3,871
BN		5,676	5,753	12,660	21,867	28,904	32,740	19,790	18,242	9,073	7,273	3,974	4,421
D		6,902	7,075	7,404	12,546	23,229	15,665	12,564	10,806	6,244	5,409	4,412	3,606
C		4,585	5,403	6,297	7,951	13,072	14,641	9,708	11,702	4,852	4,312	4,709	3,169

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaOutflowCFS

Table C-68. Delta Outflow: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.7	0.6	0.0	0.0	0.0
1924	C	0.0	-157.6	124.4	-42.5	0.0	0.1	-0.9	-0.1	0.0	0.0	-6.5	0.0
1925	BN	4.8	-3.6	2.7	949.4	37.1	-3.7	0.8	-976.9	140.9	0.0	177.1	32.8
1926	D	-176.2	29.8	30.8	39.1	4.6	-6.4	-3.7	1,164.5	-161.5	0.0	74.6	0.0
1927	AN	0.0	-10.8	21.0	1.0	254.5	-1,630.1	260.7	205.6	2.7	-400.1	0.0	0.8
1928	BN	96.3	-121.2	1.3	8.7	6.5	693.4	-3.9	-1.1	-0.3	-27.0	0.0	-12.8
1929	C	11.4	120.6	-4.4	-18.4	2.3	4.5	-0.2	-0.2	0.0	0.0	-15.9	0.0
1930	C	205.2	-431.3	94.2	5.5	26.7	8.3	166.3	-0.3	-86.3	0.0	179.6	0.0
1931	C	0.0	-66.5	0.0	-5.9	0.7	316.1	-26.3	-0.1	0.0	0.0	0.9	0.0
1932	AN	-73.6	25.9	-108.1	-80.8	-37.7	0.0	-75.2	964.9	-8.5	0.0	-50.5	0.0
1933	D	-6.2	3.6	152.6	187.5	117.7	-5.0	-0.9	-1.5	-0.3	0.0	8.2	0.0
1934	C	-11.4	14.5	-5.9	-1,262.8	0.4	0.0	1.5	-0.7	2.1	0.0	7.0	0.0
1935	AN	-68.0	50.1	-82.1	-52.0	26.8	0.8	255.9	-39.7	-5.7	0.0	0.0	-3.5
1936	AN	59.9	-91.9	113.6	55.5	2,317.4	-171.4	494.2	15.0	-11.3	0.0	0.0	25.1
1937	W	-138.9	106.7	-114.3	5.1	608.6	75.1	83.6	305.6	-48.3	0.0	0.0	0.0
1938	W	16.7	-2.3	-332.8	17.2	-106.3	-2.5	-1.7	-1.4	274.7	0.0	0.0	104.7
1939	D	-7.1	9.0	-0.9	-3.3	1.8	0.3	0.0	0.0	1.8	0.0	206.2	-32.4
1940	AN	-150.6	256.9	-211.4	-301.1	-191.4	1.0	14.5	8.7	34.5	0.0	0.0	2.1
1941	W	-1.5	10.2	576.6	542.2	265.6	-108.4	19.2	21.4	-2.0	0.0	-2.3	4.3
1942	W	7.0	2.2	30.8	28.4	3.9	0.0	0.0	25.9	300.4	0.0	0.0	-2.4
1943	W	67.1	394.8	18.2	608.1	10.2	0.0	0.0	-1.2	-0.1	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	-0.3	-0.1	0.0	0.0	-6.8	0.2	0.0	0.0	0.1
1945	AN	-65.5	73.8	2,162.8	0.0	757.8	10.1	21.1	-1,125.8	100.2	0.0	0.0	-11.7
1946	AN	43.1	-185.4	122.7	-19.0	23.4	31.3	-89.8	12.9	0.3	0.0	0.0	4.7
1947	D	-192.3	95.2	373.4	-635.0	30.4	1,017.8	-1.1	-1.6	-11.5	0.0	-373.6	0.0
1948	BN	628.7	-122.6	-320.9	415.4	-0.6	-98.5	287.3	-3.8	1.0	0.0	0.0	0.6
1949	BN	182.8	-186.9	-30.7	109.7	3.2	958.0	0.0	16.5	-1.4	0.0	74.8	0.0
1950	BN	155.4	0.0	-40.0	-30.1	-0.5	5.6	15.2	-450.2	67.7	0.0	0.0	-1.1
1951	AN	-85.3	-649.8	725.3	1,894.2	238.5	-46.1	-5.1	-8.4	0.2	-16.6	0.0	-0.1
1952	W	0.0	17.7	-29.6	23.3	1,071.1	448.7	-1.3	-0.7	-0.5	0.0	0.0	-0.5
1953	BN	-0.2	0.0	-0.3	31.6	-2.0	-0.1	-5.1	-5.1	-0.7	-0.4	0.0	3.4
1954	BN	-2.1	5.5	-3.5	-18.5	-7.4	4.6	158.7	-25.1	-0.1	-557.5	0.0	-1.6
1955	D	60.1	-227.1	-357.0	149.8	0.0	-5.0	-2.0	-9.0	0.4	0.0	58.5	0.0
1956	W	-342.1	596.7	-1,018.2	1,630.0	-2.9	-39.8	-3.2	106.7	908.0	-107.0	260.0	16.9
1957	BN	26.7	0.0	0.0	-615.0	-1,056.9	197.1	8.8	29.3	0.6	0.0	0.0	3.7
1958	W	0.4	98.7	-127.5	-1.4	-1,369.8	483.3	-231.6	-0.2	-0.4	0.0	0.0	-0.4
1959	D	797.0	0.0	0.0	-446.0	-175.3	47.6	2.9	0.0	-14.9	18.6	0.0	-2.8
1960	C	0.0	82.8	18.4	-301.2	-42.4	-35.7	0.0	0.0	0.5	0.0	19.0	0.0
1961	C	-6.2	22.5	-5.4	0.0	1.5	-198.0	1.8	0.0	2.9	0.0	-31.2	0.0
1962	BN	-168.1	166.9	353.3	0.0	-203.2	5.4	4.8	1.8	1,094.8	-812.2	0.0	-8.7
1963	AN	361.3	3.7	-13.3	3.2	-437.6	47.5	-144.8	1.4	0.6	-32.6	0.0	0.1
1964	D	0.3	350.6	-6.3	5.2	0.0	-0.2	-41.7	-0.1	0.5	0.0	-10.7	48.2
1965	W	0.0	-9.4	587.3	9.9	929.2	-172.0	206.7	-38.5	-0.3	-83.9	0.0	-0.8
1966	BN	38.9	297.4	0.5	6.2	1,688.7	1,889.9	-2,032.2	-915.9	-40.7	0.0	54.1	25.2
1967	W	100.9	-46.4	-1,437.0	42.7	391.0	764.1	232.2	233.4	3.4	8.5	0.0	8.4
1968	D	259.8	-0.6	218.7	158.5	234.3	336.4	-9.2	0.0	-2.2	3.0	0.0	-2.5
1969	W	2.5	-55.5	1.6	877.8	969.3	246.3	-497.2	217.8	0.3	0.0	0.0	-6.7
1970	AN	-22.5	123.5	22.4	-0.3	-0.1	-0.2	-0.8	-6.1	3.2	-2.1	0.0	-0.6
1971	BN	0.0	0.2	-3.3	-0.3	0.2	432.4	-60.8	80.7	21.0	-39.6	0.0	4.0
1972	D	9.7	0.4	-10.7	38.3	-30.6	246.6	249.4	-0.1	-130.9	0.0	0.0	202.0
1973	AN	-420.9	-39.5	1,694.5	-3,367.9	-15.0	2.6	13.9	-15.1	1.7	0.0	0.0	0.2
1974	W	0.9	35.3	616.0	1,329.2	0.6	0.7	4,078.5	-0.2	-4.8	76.7	0.0	-12.8
1975	W	-1,641.3	-59.3	84.6	0.0	-593.1	262.2	-2.0	-1.2	229.5	0.0	0.0	6.5
1976	C	-0.2	0.0	-188.3	153.1	7.7	3.0	-1.3	-0.2	0.0	0.0	4.5	-0.2
1977	C	7.0	-0.2	3.6	0.0	-0.2	25.7	0.0	0.0	0.0	0.0	-16.3	0.0
1978	W	16.2	-75.1	38.4	0.4	-182.0	33.5	45.3	693.0	59.8	0.0	0.0	2.8
1979	AN	10.7	0.0	550.3	-1,357.5	108.6	149.5	2,582.3	-24.2	-141.9	0.0	0.0	-9.5
1980	W	-112.5	130.1	-1,812.1	1,949.4	701.9	-184.9	-26.7	-20.6	67.3	0.0	0.0	-2.8
1981	D	-2.3	0.0	2.4	13.1	-4.0	-24.4	-11.6	0.0	0.7	0.0	4.4	-2.4
1982	W	13.1	186.5	-20.0	352.1	1,465.7	34.1	-4.6	-4.8	-5.1	0.0	-1.4	-1.6
1983	W	-11.0	-3.0	-58.2	-1.9	-27.3	-1.7	-1.7	-1.5	-1.5	-1.1	-1.5	-1.3
1984	AN	0.2	1.6	-0.1	-0.3	0.5	-1.2	0.1	-8.8	8.9	-2.1	0.0	7.6
1985	D	-3.0	-20.8	-0.1	0.0	3.8	-20.4	8.8	-31.7	4.8	0.0	-2.9	-106.4
1986	W	109.2	-38.1	7.1	61.6	2,136.3	1,357.5	-1.5	-0.7	0.0	0.0	15.9	-0.5
1987	C	0.4	-1.9	2.9	-4.3	-0.4	-35.6	6.2	-0.2	0.0	0.0	0.9	0.0
1988	C	13.6	0.0	-11.3	0.6	0.0	0.0	-0.6	0.0	0.1	0.0	1.3	0.0
1989	C	9.4	-12.0	3.6	-2.9	0.2	0.9	1.5	0.0	-17.1	0.0	-36.1	-2.2
1990	C	35.1	-52.4	0.0	17.8	0.0	512.9	-9.2	0.0	0.0	0.0	-203.2	0.0
1991	C	212.6	-471.8	1,190.0	0.0	54.9	-2.2	30.0	0.0	0.0	0.0	208.6	0.0
1992	C	4.7	-120.7	0.0	96.6	36.1	-0.2	-0.2	0.0	-0.3	0.0	20.2	0.0
1993	W	241.6	-547.1	143.3	86.1	4.8	2.3	439.7	-1.1	732.9	0.0	0.0	1.2
1994	C	1.8	-13.2	18.9	-0.5	477.9	-0.9	5.0	0.2	0.0	0.0	-23.9	-0.5
Average		1.4	-7.0	51.4	45.7	144.3	107.7	87.7	5.1	46.2	-27.1	8.2	3.8
Maximum		797.0	596.7	2,162.8	1,949.4	2,317.4	1,889.9	4,078.5	1,164.5	1,094.8	76.7	260.0	202.0
Minimum		-1,641.3	-649.8	-1,812.1	-3,367.9	-1,369.8	-1,630.1	-2,032.2	-1,125.8	-161.5	-812.2	-373.6	-106.4
Average by Year Type													
W		-83.6	37.1	-142.3	378.0	313.8	159.9	216.7	76.6	125.7	-5.3	13.5	5.7
AN		-29.4	-31.6	357.0	-230.3	217.5	-114.7	237.6	-1.8	-1.0	-32.4	-3.6	1.1
BN		80.3	3.0	-3.4	71.4	38.7	340.3	-135.5	-188.1	106.9	-119.7	25.5	3.8
D		67.2	21.8	36.6	-44.8	16.6	144.3	17.3	101.9	-28.5	2.0	-3.2	9.4
C		30.2	-68.0	77.5	-85.3	35.3	37.4	10.8	-0.1	-6.1	0.0	6.8	-0.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaOutflowCFS

Table C-69. Delta Outflow: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	-2.9%	2.7%	-0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	-0.1%
1925	BN	0.1%	-0.1%	0.0%	13.6%	0.1%	0.0%	0.0%	-6.9%	1.7%	0.0%	4.0%	1.1%	0.2%
1926	D	-3.6%	0.7%	0.7%	0.4%	0.0%	-0.1%	0.0%	10.4%	-3.2%	0.0%	1.4%	0.0%	0.9%
1927	AN	0.0%	-0.1%	0.2%	0.0%	0.2%	-4.3%	0.6%	0.8%	0.0%	-4.5%	0.0%	0.0%	-0.4%
1928	BN	2.4%	-1.8%	0.0%	0.1%	0.0%	0.7%	0.0%	0.0%	0.0%	-0.3%	0.0%	-0.4%	0.3%
1929	C	0.2%	2.0%	-0.1%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.0%	0.1%
1930	C	5.8%	-7.6%	1.0%	0.0%	0.2%	0.0%	1.6%	0.0%	-1.6%	0.0%	3.1%	0.0%	0.2%
1931	C	0.0%	-1.2%	0.0%	-0.1%	0.0%	5.1%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1932	AN	-1.9%	0.4%	-0.6%	-0.5%	-0.2%	0.0%	-0.6%	7.9%	-0.1%	0.0%	-1.1%	0.0%	0.5%
1933	D	-0.1%	0.1%	2.1%	2.0%	1.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.5%
1934	C	-0.3%	0.3%	-0.1%	-9.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-1.4%
1935	AN	-2.0%	0.7%	-1.7%	-0.2%	0.2%	0.0%	0.5%	-0.2%	-0.1%	0.0%	0.0%	-0.1%	0.0%
1936	AN	1.4%	-1.8%	1.7%	0.2%	3.0%	-0.7%	1.9%	0.1%	-0.1%	0.0%	0.0%	0.7%	1.2%
1937	W	-3.3%	2.0%	-1.9%	0.1%	1.4%	0.2%	0.3%	1.4%	-0.5%	0.0%	0.0%	0.0%	0.4%
1938	W	0.4%	0.0%	-0.6%	0.1%	-0.1%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	1.7%	0.0%
1939	D	-0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	-1.0%	0.2%
1940	AN	-3.0%	5.6%	-4.2%	-1.0%	-0.3%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.1%	-0.2%
1941	W	0.0%	0.2%	1.6%	0.6%	0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.3%
1942	W	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	1.5%	0.0%	0.0%	0.0%	0.1%
1943	W	0.9%	6.1%	0.1%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	-1.2%	1.5%	22.9%	0.0%	1.6%	0.1%	0.1%	-6.8%	1.1%	0.0%	0.0%	-0.3%	1.3%
1946	AN	0.9%	-3.1%	0.2%	0.0%	0.1%	0.2%	-0.7%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%
1947	D	-3.7%	1.7%	6.0%	-9.6%	0.2%	7.1%	0.0%	0.0%	-0.2%	0.0%	-8.4%	0.0%	0.3%
1948	BN	11.6%	-2.7%	-6.3%	5.2%	0.0%	-0.9%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
1949	BN	4.1%	-3.3%	-0.6%	1.9%	0.0%	2.3%	0.0%	0.1%	0.0%	0.0%	2.1%	0.0%	1.0%
1950	BN	2.8%	0.0%	-0.7%	-0.2%	0.0%	0.0%	0.1%	-2.6%	0.6%	0.0%	0.0%	0.0%	-0.2%
1951	AN	-1.9%	-1.5%	0.7%	3.0%	0.3%	-0.2%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.6%
1952	W	0.0%	0.3%	-0.1%	0.0%	1.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.1%	-0.1%	-0.1%	0.0%	0.0%	0.4%	-0.1%	0.0%	-6.5%	0.0%	0.0%	-0.2%
1955	D	1.3%	-3.5%	-3.1%	1.3%	0.0%	-0.1%	0.0%	-0.1%	0.0%	0.0%	1.4%	0.0%	-0.3%
1956	W	-6.8%	11.8%	-1.0%	1.0%	0.0%	-0.1%	0.0%	0.3%	6.8%	-1.3%	6.5%	0.2%	0.4%
1957	BN	0.3%	0.0%	0.0%	-9.6%	-4.0%	0.5%	0.0%	0.2%	0.0%	0.0%	0.0%	0.1%	-0.9%
1958	W	0.0%	2.1%	-0.8%	0.0%	-0.8%	0.5%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%
1959	D	6.6%	0.0%	0.0%	-1.7%	-0.3%	0.2%	0.0%	0.0%	-0.2%	0.3%	0.0%	-0.1%	0.2%
1960	C	0.0%	1.4%	0.3%	-5.0%	-0.2%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	-0.3%
1961	C	-0.1%	0.4%	-0.1%	0.0%	0.0%	-1.6%	0.0%	0.0%	0.1%	0.0%	-0.7%	0.0%	-0.2%
1962	BN	-3.0%	3.7%	4.5%	0.0%	-0.5%	0.0%	0.0%	0.0%	16.8%	-11.1%	0.0%	-0.2%	0.3%
1963	AN	1.4%	0.1%	-0.1%	0.0%	-0.6%	0.2%	-0.2%	0.0%	0.0%	-0.3%	0.0%	0.0%	-0.1%
1964	D	0.0%	2.2%	-0.1%	0.0%	0.0%	0.0%	-0.3%	0.0%	0.0%	0.0%	-0.2%	1.2%	0.3%
1965	W	0.0%	-0.1%	0.7%	0.0%	3.5%	-0.9%	0.5%	-0.2%	0.0%	-0.8%	0.0%	0.0%	0.4%
1966	BN	1.0%	3.1%	0.0%	0.0%	8.4%	9.3%	-14.2%	-7.4%	-0.6%	0.0%	1.4%	0.7%	0.7%
1967	W	2.0%	-0.7%	-4.6%	0.1%	0.8%	1.3%	0.4%	0.4%	0.0%	0.1%	0.0%	0.1%	0.1%
1968	D	2.1%	0.0%	3.1%	0.6%	0.4%	1.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.6%
1969	W	0.1%	-0.9%	0.0%	0.7%	0.7%	0.4%	-0.9%	0.3%	0.0%	0.0%	0.0%	-0.1%	0.3%
1970	AN	-0.2%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	-0.3%	0.3%	0.2%	-0.4%	0.0%	0.1%	0.2%
1972	D	0.2%	0.0%	-0.1%	0.5%	-0.2%	1.0%	2.3%	0.0%	-1.2%	0.0%	0.0%	6.7%	0.5%
1973	AN	-8.5%	-0.4%	12.7%	-3.9%	0.0%	0.0%	0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.7%
1974	W	0.0%	0.1%	1.0%	1.0%	0.0%	0.0%	6.1%	0.0%	0.0%	1.0%	0.0%	-0.1%	1.2%
1975	W	-20.3%	-1.2%	1.3%	0.0%	-1.0%	0.3%	0.0%	0.0%	1.3%	0.0%	0.0%	0.1%	-0.6%
1976	C	0.0%	0.0%	-3.3%	3.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
1977	C	0.2%	0.0%	0.1%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%	0.0%
1978	W	0.5%	-1.4%	0.4%	0.0%	-0.4%	0.0%	0.1%	2.6%	0.4%	0.0%	0.0%	0.1%	0.2%
1979	AN	0.2%	0.0%	10.2%	-7.6%	0.2%	0.5%	15.1%	-0.1%	-1.4%	0.0%	0.0%	-0.3%	1.1%
1980	W	-2.3%	2.3%	-16.6%	1.8%	0.5%	-0.3%	-0.1%	-0.1%	0.6%	0.0%	0.0%	-0.1%	0.2%
1981	D	-0.1%	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.1%	-0.1%	0.0%
1982	W	0.3%	0.8%	0.0%	0.4%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
1983	W	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.2%	0.0%
1985	D	-0.1%	-0.1%	0.0%	0.0%	0.0%	-0.2%	0.1%	-0.3%	0.1%	0.0%	-0.1%	-2.5%	-0.2%
1986	W	2.2%	-0.7%	0.1%	0.4%	1.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.8%
1987	C	0.0%	0.0%	0.1%	-0.1%	0.0%	-0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1988	C	0.2%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.2%	-0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%	-0.7%	-0.1%	0.0%
1990	C	0.9%	-0.8%	0.0%	0.2%	0.0%	5.9%	-0.1%	0.0%	0.0%	0.0%	-4.0%	0.0%	0.4%
1991	C	6.7%	-7.2%	34.0%	0.0%	0.7%	0.0%	0.3%	0.0%	0.0%	0.0%	4.4%	0.0%	1.4%
1992	C	0.1%	-2.2%	0.0%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%
1993	W	7.3%	-9.2%	2.3%	0.1%	0.0%	0.0%	1.3%	0.0%	4.1%	0.0%	0.0%	0.0%	0.4%
1994	C	0.0%	-0.3%	0.3%	0.0%	2.4%	0.0%	0.1%	0.0%	0.0%	0.0%	-0.4%	0.0%	0.5%
Average		0.0%	0.0%	0.9%	-0.1%	0.3%	0.4%	0.2%	0.0%	0.4%	-0.3%	0.2%	0.1%	0.2%
Maximum		11.6%	11.8%	34.0%	13.6%	8.4%	9.3%	15.1%	10.4%	16.8%	1.0%	6.5%	6.7%	1.4%
Minimum		-20.3%	-9.2%	-16.6%	-9.6%	-4.0%	-4.3%	-14.2%	-7.4%	-3.2%	-11.1%	-8.4%	-2.5%	-1.4%
Average by Year Type														
W		-1.0%	0.6%	-0.9%	0.4%	0.4%	0.1%	0.4%	0.2%	0.7%	-0.1%	0.3%	0.1%	0.2%
AN		-1.0%	0.3%	3.0%	-0.7%	0.3%	-0.3%	1.2%	0.1%	0.0%	-0.4%	-0.1%	0.0%	0.2%
BN		1.6%	-0.1%	-0.3%	0.9%	0.3%	1.1%	-1.1%	-1.4%	1.6%	-1.5%	0.6%	0.1%	0.2%
D		0.2%	0.1%	0.8%	-0.6%	0.1%	0.8%	0.2%	0.9%	-0.4%	0.0%	-0.1%	0.4%	0.3%
C		0.9%	-1.2%	2.2%	-0.7%	0.2%	0.6%	0.1%	0.0%	-0.1%	0.0%	0.1%	0.0%	0.1%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_export.xls]DeltaOutflowTAF

Table C-70. San Joaquin River at Vernalis: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	2,221	1,748	2,654	2,797	6,645	7,823	6,153	7,567	8,015	6,464	11,895	2,168	2,052	1,970
1923	AN	4,163	1,737	4,616	7,256	6,260	2,992	5,178	7,000	6,987	3,657	2,606	2,082	1,994	1,894
1924	C	2,703	1,535	1,643	1,609	1,841	1,659	1,407	2,000	2,000	1,182	1,224	1,165	949	1,060
1925	BN	1,603	1,394	1,394	1,278	2,782	2,512	3,060	5,700	5,682	2,505	2,099	1,755	1,621	1,647
1926	D	1,853	1,403	1,480	1,312	1,922	1,761	2,451	4,450	4,432	1,749	1,542	1,379	957	1,208
1927	AN	1,660	1,804	1,981	1,768	4,651	3,765	4,695	7,000	6,987	3,373	2,302	1,847	1,676	1,622
1928	BN	1,778	1,996	2,110	2,173	2,470	6,424	4,349	6,988	5,931	2,787	1,807	1,612	1,535	1,530
1929	C	1,840	1,416	1,470	1,431	1,799	1,671	1,446	3,200	3,187	1,254	1,299	1,226	848	1,076
1930	C	1,576	1,192	1,172	1,257	1,583	1,809	1,502	3,200	3,187	1,229	1,273	1,207	799	1,064
1931	C	1,567	1,197	1,171	1,156	1,361	1,254	1,223	1,562	1,363	1,018	1,140	1,023	819	1,012
1932	AN	1,304	1,235	3,132	3,437	7,408	4,589	3,692	5,700	5,687	2,290	1,971	1,754	1,632	1,653
1933	D	1,926	1,428	1,426	1,627	1,936	2,039	1,663	3,200	3,187	1,406	1,254	1,077	1,050	1,108
1934	C	1,328	1,207	1,318	1,318	1,857	1,640	1,328	2,000	2,000	1,015	1,062	975	803	992
1935	AN	1,330	1,374	1,458	3,630	3,420	3,579	5,424	7,167	7,000	4,274	2,964	2,081	1,774	1,808
1936	AN	1,765	1,546	1,589	1,869	11,861	5,914	7,224	7,713	6,993	3,778	2,309	1,924	1,755	1,798
1937	W	2,822	1,557	1,796	2,545	14,908	10,710	8,553	9,722	10,229	8,422	2,584	2,081	1,855	1,899
1938	W	3,289	1,642	5,513	6,596	20,027	27,254	17,476	17,476	21,294	21,294	19,753	3,551	2,215	2,879
1939	D	8,835	1,815	2,109	2,272	3,054	3,865	3,298	5,688	5,462	2,550	1,849	1,759	1,715	1,606
1940	AN	1,983	1,556	1,528	4,100	6,248	9,386	6,324	7,000	6,987	3,873	2,617	2,065	1,983	1,932
1941	W	2,523	1,802	3,649	5,854	14,301	11,116	10,046	10,046	9,567	8,105	6,399	2,386	2,183	1,985
1942	W	4,669	1,858	4,927	7,652	8,699	5,872	6,902	7,000	7,000	5,960	5,613	2,774	2,300	2,174
1943	W	5,595	2,472	3,609	12,379	10,725	17,304	7,787	7,817	7,820	6,358	3,097	2,541	2,232	2,186
1944	BN	3,401	1,883	1,970	1,994	3,239	3,404	3,244	6,988	6,229	3,326	2,244	2,159	2,090	1,845
1945	AN	2,162	1,946	1,945	1,851	8,005	7,959	6,343	7,421	7,000	4,108	2,686	2,314	2,223	1,999
1946	AN	3,910	2,029	5,537	4,713	5,181	4,531	4,741	6,988	6,990	3,566	2,597	2,177	2,099	1,945
1947	D	2,299	1,952	2,606	2,271	2,789	1,954	1,748	3,200	3,200	1,555	1,656	1,578	1,170	1,247
1948	BN	1,717	1,365	1,294	1,212	1,392	1,835	3,106	4,450	4,450	2,692	2,249	1,798	1,710	1,685
1949	BN	1,878	1,427	1,406	1,296	1,681	2,656	2,616	4,450	4,437	2,217	1,753	1,700	1,638	1,616
1950	BN	1,858	1,411	1,390	2,007	2,725	2,362	2,500	4,450	4,437	2,016	1,729	1,573	1,531	1,586
1951	AN	1,872	3,667	8,785	11,144	9,754	5,435	3,876	6,988	6,985	3,501	2,469	1,839	1,711	1,826
1952	W	2,386	1,779	2,814	5,569	7,382	11,795	9,778	9,778	13,569	12,835	13,496	3,271	2,165	2,574
1953	BN	8,133	1,839	2,638	6,502	4,914	3,171	3,635	5,688	5,690	3,142	2,344	1,864	1,778	1,689
1954	BN	2,165	1,577	1,629	1,682	2,280	2,638	4,247	5,700	5,687	2,998	1,962	1,896	1,806	1,688
1955	D	2,135	1,515	1,616	1,855	1,965	1,765	1,712	3,200	3,200	1,644	1,695	1,620	1,188	1,285
1956	W	1,568	1,398	10,597	17,647	12,000	6,374	4,891	6,988	6,990	3,832	6,366	2,372	2,020	2,381
1957	BN	4,821	1,638	1,773	1,749	2,609	4,252	3,202	5,688	5,694	3,297	2,390	1,832	1,713	1,677
1958	W	2,292	1,654	1,747	1,987	3,425	9,478	14,865	14,865	12,787	11,837	9,924	2,669	2,271	2,466
1959	D	6,761	1,783	1,874	2,169	4,856	3,208	2,466	5,683	4,346	2,119	1,653	1,599	1,535	1,533
1960	C	1,816	1,344	1,328	1,387	2,154	1,857	1,707	3,200	3,187	1,431	1,470	1,353	838	1,135
1961	C	1,544	1,285	1,353	1,211	1,377	1,279	1,420	1,647	1,445	1,255	1,386	1,077	800	1,130
1962	BN	1,600	1,235	1,246	1,194	5,496	4,540	3,630	5,700	5,677	2,225	1,697	1,584	1,508	1,554
1963	AN	1,621	1,388	1,363	1,846	3,420	2,765	4,540	7,000	6,987	3,727	2,963	2,206	1,856	1,845
1964	D	2,009	1,755	1,731	1,668	1,816	1,751	1,538	3,200	3,187	1,364	1,420	1,305	907	1,167
1965	W	1,725	1,637	4,992	9,873	7,826	4,840	6,728	7,016	7,000	4,216	3,102	2,049	1,794	1,829
1966	BN	4,453	3,052	5,257	4,809	4,812	3,470	2,184	5,688	5,131	2,361	1,809	1,771	1,699	1,599
1967	W	2,104	1,645	2,867	3,235	3,187	7,613	12,744	12,744	14,217	12,755	16,227	9,065	2,065	3,193
1968	D	5,892	1,717	2,074	2,177	4,038	3,283	2,808	5,683	4,546	2,072	1,704	1,657	1,587	1,552
1969	W	1,999	1,571	1,931	13,615	25,196	17,962	18,463	18,463	23,617	23,617	24,591	4,075	2,129	2,846
1970	AN	8,463	1,974	3,531	17,107	9,394	7,423	4,366	6,991	6,987	3,729	2,527	1,973	1,902	1,906
1971	BN	2,368	1,857	2,412	2,355	2,987	3,402	3,150	5,688	5,690	3,017	2,251	1,958	1,866	1,707
1972	D	2,099	1,552	1,788	1,715	1,911	1,989	1,579	3,200	3,200	2,077	1,533	1,487	1,441	1,478
1973	AN	1,985	1,449	1,496	2,411	7,369	8,265	5,545	7,567	7,000	4,067	2,213	1,976	1,880	1,881
1974	W	2,377	1,602	2,795	6,774	4,741	6,369	7,753	7,753	7,000	5,415	3,420	2,201	1,992	2,044
1975	W	3,643	1,763	1,923	1,959	5,689	8,854	6,637	7,327	7,000	4,831	5,224	2,368	2,056	2,083
1976	C	4,263	1,707	1,812	1,715	1,950	1,798	1,602	3,200	3,187	1,402	1,480	1,403	1,392	1,260
1977	C	3,178	2,092	1,684	1,308	1,382	1,271	1,354	2,000	1,998	1,180	1,219	890	674	974
1978	W	1,661	1,340	1,513	3,728	7,851	9,131	11,713	14,017	12,785	10,482	11,329	2,506	1,832	2,582
1979	AN	4,606	1,540	1,715	4,993	9,324	8,715	5,607	7,000	7,000	4,180	2,152	1,828	1,727	1,829
1980	W	2,829	1,704	1,838	12,490	20,252	13,125	7,687	7,707	7,000	5,300	5,885	3,919	1,978	2,850
1981	D	5,215	1,648	1,787	2,227	2,573	3,677	3,004	5,688	4,974	2,330	1,711	1,667	1,605	1,558
1982	W	2,075	1,705	1,756	7,760	14,464	14,984	24,489	24,489	16,119	16,119	9,872	3,767	2,161	4,206
1983	W	12,602	7,646	18,296	23,447	31,164	37,502	20,227	20,227	20,426	19,173	34,816	17,866	1,987	6,606
1984	AN	12,345	12,744	20,738	14,505	9,663	6,180	3,866	6,988	6,874	3,508	2,641	2,222	2,122	1,949
1985	D	2,318	1,918	1,966	1,788	2,204	2,211	2,041	4,450	4,437	2,668	1,722	1,612	1,536	1,555
1986	W	2,173	1,689	1,766	2,186	18,553	23,831	11,727	12,248	8,505	7,043	6,747	2,379	2,142	2,148
1987	C	3,658	1,665	1,701	1,672	2,034	1,978	1,642	3,200	3,192	1,432	1,498	1,459	1,376	1,201
1988	C	1,639	1,324	1,272	1,272	1,310	1,255	1,401	2,000	2,000	1,208	1,262	1,149	687	1,029
1989	C	1,540	1,198	1,297	1,181	1,357	1,606	1,410	2,005	1,707	1,197	1,266	1,291	957	1,148
1990	C	1,555	1,228	1,158	1,186	1,367	1,326	1,298	1,827	1,586	1,095	1,169	1,166	750	1,078
1991	C	1,158	1,173	1,130	1,033	1,149	2,397	1,950	2,524	2,019	1,445	1,140	1,058	877	1,015
1992	C	1,238	1,201	1,130	1,205	2,196	1,904	1,634	2,209	1,657	1,083	1,103	1,176	818	1,075
1993	W	1,526	1,346	1,479	7,412	5,291	4,569	3,772	5,700	5,700	3,622	4,062	2,108	1,911	1,795
1994	C	3,624	1,469	1,467	1,360	1,723	1,500	1,344	3,200	3,182	1,267	1,418	1,410	924	1,143
Average		3,049	1,876	2,808	4,202	5,989	5,923	5,160	6,593	6,423	4,426	4,136	2,215	1,605	1,796
Maximum		12,602	12,744	20,738	23,447	31,164	37,502	24,489	24,489	23,617	23,617	34,816	17,866	2,300	6,606
Minimum		1,158	1,173	1,130	1,033	1,149	1,254	1,223	1,562	1,363	1,015	1,062	890	674	974
Average by Year Type															
W		3,104	1,978	3,923	7,775	12,116	12,825	10,920	11,448	11,332	9,884	10,220	3,806	2,067	2,635
AN		3,512	2,571	4,244	5,759	7,283	5,821	5,101	7,037	6,890	3,688	2,501	2,020	1,881	1,849
BN		2,981	1,723	2,043	2,354	3,116	3,389	3,244	5,598	5,395	2,715	2,028	1,792	1,708	1,652
D		3,758	1,680	1,860	1,916	2,642	2,500	2,210	4,331	4,016	1,958	1,613	1,522	1,335	1,391
C		2,139	1,390	1,382	1,331	1,653	1,638	1,479	2,436	2,306	1,231	1,276	1,189	894	1,087

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]C639

Table C-71. San Joaquin River at Vernalis: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.8	0.0	0.0	0.0	0.1	0.3
1924	C	487.0	1.9	0.0	0.0	0.0	0.2	-0.2	0.0	0.0	-0.2	-0.3	-0.4	0.1	0.9
1925	BN	0.3	0.3	0.2	0.2	-0.1	10.7	-1.5	0.0	-17.2	-2.0	-3.0	-3.2	-1.6	-2.3
1926	D	8.6	1.5	1.2	8.9	6.5	0.9	1.6	0.0	-17.1	1.9	4.7	5.7	4.3	2.0
1927	AN	1.3	1.0	1.1	1.5	38.6	6.6	552.1	0.0	-11.7	404.0	0.9	1.1	0.8	9.2
1928	BN	5.2	107.1	8.9	9.1	9.6	518.6	0.0	-11.0	162.1	270.3	0.5	-1.1	0.0	0.0
1929	C	11.0	5.5	5.5	5.4	5.1	0.2	-2.3	0.0	-11.8	-3.4	-5.3	-6.4	3.6	-0.8
1930	C	202.5	0.1	0.0	-0.4	-1.4	0.9	1.8	368.6	381.4	-0.4	-0.6	-0.7	4.9	-1.7
1931	C	-0.6	0.9	0.9	0.8	0.7	0.0	0.2	0.1	0.1	0.3	0.0	66.8	185.2	64.8
1932	AN	205.9	0.0	0.1	0.0	-0.2	0.7	1.5	0.0	-11.8	1.4	-0.3	-0.4	0.1	-0.3
1933	D	0.3	0.8	0.7	0.6	0.4	1.6	3.2	0.0	-11.8	3.2	0.0	0.0	22.1	2.0
1934	C	1.8	2.5	2.3	1.6	1.6	-0.3	-0.4	0.0	0.0	-2.1	-3.2	-3.9	39.3	58.9
1935	AN	205.4	-0.3	-0.4	0.0	0.0	1.2	2.3	17.6	0.0	2.1	-0.3	-0.3	-0.3	0.6
1936	AN	32.7	80.6	1.0	0.9	2,311.8	186.3	717.6	364.7	-6.3	13.1	-0.7	-0.8	-0.7	-0.7
1937	W	397.4	6.5	6.4	6.8	561.7	9.1	0.4	142.7	142.8	451.4	-0.3	-0.3	-0.3	-0.3
1938	W	18.6	9.3	9.4	9.4	0.4	-0.3	-0.4	-0.4	-0.6	-0.6	275.2	0.3	0.3	0.3
1939	D	0.2	0.1	0.1	0.2	0.4	0.0	0.0	-11.0	-14.2	-0.1	-0.3	-0.3	-0.3	0.6
1940	AN	0.0	55.3	0.0	52.4	501.8	3.4	38.6	0.0	-11.8	39.1	36.2	3.8	3.1	4.4
1941	W	7.4	3.6	836.9	568.1	267.0	12.0	41.5	0.0	0.0	41.5	38.2	6.1	0.0	4.3
1942	W	6.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	50.2	300.4	-0.3	-0.2	-0.3
1943	W	66.2	387.9	22.3	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.0	-14.1	0.0	0.1	0.5	0.5	0.0
1945	AN	0.0	0.0	0.0	0.0	1,359.5	3.1	52.9	-2.1	0.0	56.7	53.1	11.5	8.9	7.5
1946	AN	409.7	5.7	9.6	6.7	8.4	2.6	31.6	-11.0	-9.4	31.1	28.3	-6.8	-5.0	1.7
1947	D	4.2	2.0	415.1	324.2	53.2	32.2	-2.7	0.0	0.3	-3.9	-6.1	-7.3	155.0	2.8
1948	BN	28.7	8.4	8.2	31.1	30.0	1.0	1.3	0.0	0.1	1.6	0.4	-0.3	-0.3	0.0
1949	BN	0.0	0.3	0.3	0.3	0.2	0.7	1.1	0.0	-12.5	2.6	0.9	0.1	0.0	0.0
1950	BN	203.3	0.6	0.6	0.6	0.0	8.3	16.5	0.0	-11.8	17.7	0.5	-2.1	-1.8	12.0
1951	AN	224.4	8.2	709.6	1,539.4	-1.8	0.0	0.0	-11.0	-14.1	-1.3	-1.9	-1.2	-0.3	-0.3
1952	W	-1.2	-0.6	-1.0	22.3	1,260.1	447.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.0	-9.4	-0.7	-0.5	-6.2	-4.8	0.0
1954	BN	-0.9	-0.6	-0.7	-1.1	0.0	5.0	338.3	0.0	-11.8	10.0	11.3	-3.1	-2.6	5.8
1955	D	6.9	4.9	4.8	4.5	4.0	6.2	1.2	0.0	0.0	12.5	2.6	3.2	87.3	45.8
1956	W	39.2	6.3	176.7	959.6	4.9	5.5	0.0	-11.0	-9.4	213.6	907.5	28.8	19.8	12.7
1957	BN	22.6	26.9	4.0	3.5	2.4	4.6	63.0	-11.0	-5.4	65.1	59.9	7.1	5.5	7.1
1958	W	11.5	5.9	6.0	6.5	5.1	471.8	461.8	461.8	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	797.1	0.0	0.0	0.0	0.0	0.0	0.0	-16.1	-11.2	-2.5	-13.4	-16.2	-12.5	-8.9
1960	C	-5.3	-1.4	-1.8	-2.9	-5.2	0.6	1.6	0.0	-11.8	2.2	3.4	4.1	8.8	1.0
1961	C	0.6	0.9	1.0	1.3	1.9	-0.2	-2.0	-0.6	-0.8	-2.9	-4.5	32.5	-0.8	2.0
1962	BN	205.1	-0.5	-0.6	-1.0	3.7	1.5	2.3	0.0	-21.2	2.6	2.8	11.8	9.2	3.4
1963	AN	2.3	1.8	1.7	2.5	0.0	0.9	2.1	0.0	-11.8	2.2	0.2	0.4	0.7	2.6
1964	D	0.7	46.8	1.1	1.2	141.3	67.4	2.4	0.0	-11.8	2.9	0.0	0.5	0.9	0.9
1965	W	62.5	2.3	926.7	4.7	929.4	8.1	97.7	0.0	0.0	97.6	173.4	8.1	8.1	8.1
1966	BN	2,123.5	8.1	8.1	8.1	8.1	17.0	1.1	-10.9	328.1	451.8	21.8	25.8	20.1	6.2
1967	W	28.6	13.4	13.9	16.3	24.9	767.4	233.1	233.1	233.8	233.8	3.6	4.2	-1.2	-1.3
1968	D	256.5	130.5	162.5	126.4	-1.8	0.0	0.0	-16.1	-11.1	-2.4	-12.8	-15.5	-12.0	-8.6
1969	W	-5.1	-1.4	-1.7	545.3	971.7	246.7	0.0	0.0	209.3	209.3	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-8.9	-11.7	-0.7	-0.2	-4.3	-3.4	-0.6
1971	BN	-0.7	-0.3	-0.5	-0.9	316.5	3.1	37.0	-11.0	-9.4	36.8	32.8	-7.6	-5.9	1.2
1972	D	5.1	2.4	2.2	1.7	0.6	295.4	0.6	0.0	0.0	393.4	1.5	1.8	1.4	3.9
1973	AN	137.8	8.4	8.4	8.2	0.6	1.9	31.2	0.0	0.0	-31.2	2.6	0.0	0.0	0.0
1974	W	2.5	3.3	754.3	1,337.1	1.3	2.7	0.0	0.0	0.0	0.0	0.0	14.8	10.2	4.5
1975	W	0.0	2.3	2.3	2.3	2.3	252.6	0.0	0.0	0.0	0.0	353.6	21.9	15.2	6.9
1976	C	0.0	3.5	3.4	3.4	3.4	2.8	0.3	0.0	-11.8	0.4	0.7	0.8	0.8	5.7
1977	C	2.6	0.8	0.8	2.9	3.0	0.0	0.0	0.0	-2.0	0.0	0.0	6.5	0.4	0.0
1978	W	35.6	0.3	0.3	0.0	0.0	21.9	0.8	66.6	720.2	654.4	90.2	-0.7	-0.5	-0.6
1979	AN	18.7	5.1	5.0	36.0	-0.8	2.2	54.0	0.0	0.0	-48.6	4.0	-0.5	-1.4	-0.2
1980	W	396.4	2.1	2.0	5.6	349.3	-0.1	0.0	0.0	0.0	0.0	118.8	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	109.2	0.0	0.2	0.0	-11.0	-15.4	-1.3	-7.1	-8.6	-6.6	-4.8
1982	W	-2.8	-0.8	-1.0	350.8	1,469.7	39.2	-1.0	-1.0	-1.7	-1.7	-2.3	1.0	0.8	0.8
1983	W	0.5	-0.1	0.0	0.0	-1.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	-0.2	0.1
1984	AN	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-11.0	-15.6	-1.5	-1.3	-9.8	-7.6	-2.4
1985	D	-1.4	-0.9	-1.1	-1.8	-3.3	6.2	143.6	0.0	-11.8	123.2	-1.0	-1.2	-0.3	-0.4
1986	W	7.6	6.1	6.0	6.1	2,044.2	1,042.5	0.1	0.1	-0.5	-0.5	-0.7	0.3	0.2	0.2
1987	C	0.1	0.1	0.1	0.2	0.3	0.0	-0.1	0.0	-7.1	-0.1	-0.2	-0.2	-0.1	-7.7
1988	C	0.0	6.3	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	5.8	0.0	0.0
1989	C	0.0	6.5	0.2	0.2	0.2	0.2	0.4	2.9	2.9	0.0	0.1	0.1	4.4	0.0
1990	C	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	6.4	0.0
1991	C	117.8	0.0	0.0	0.0	0.0	-1.0	-1.4	-1.4	-2.1	-2.1	0.0	-13.5	-37.7	-3.3
1992	C	-1.9	-1.2	-1.5	0.0	-4.3	0.1	0.2	0.2	0.3	0.3	1.7	0.6	0.5	0.5
1993	W	203.1	0.2	0.2	0.0	0.7	0.2	0.0	0.0	0.0	-2.5	673.1	1.5	1.2	1.3
1994	C	0.8	0.9	0.6	1.0	1.8	0.0	0.0	0.0	-17.2	-0.7	-3.7	-4.4	-1.0	-1.1
Average		95.8	13.5	56.5	84.0	173.9	61.9	40.1	20.3	24.3	51.9	42.9	2.1	7.1	3.4
Maximum		2,123.5	387.9	926.7	1,539.4	2,311.8	1,042.5	717.6	461.8	720.2	654.4	907.5	66.8	185.2	64.8
Minimum		-5.3	-1.4	-1.8	-2.9	-5.2	-1.0	-2.7	-16.1	-21.2	-48.6	-13.4	-16.2	-37.7	-8.9
Average by Year Type															
W		63.7	22.5	138.2	192.2	394.7	166.3	41.7	44.6	64.7	97.3	146.6	4.3	2.7	1.8
AN		88.4	11.8	52.6	117.7	301.3	14.9	106.0	24.2	-8.3	33.3	8.6	-0.5	-0.3	1.6
BN		215.6	12.5	2.4	4.2	30.9	47.5	38.3	-5.5	31.5	71.3	10.6	1.8	1.5	2.8
D		98.0	17.1	53.3	52.3	18.3	37.3	13.6	-4.9	-9.5	47.9	-2.9	-3.5	21.8	3.2
C		51.0	1.7	0.7	0.8	0.5	0.2	-0.1	23.1	20.0	-0.5	-0.8	5.5	13.4	7.5

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]C639

Table C-72. San Joaquin River at Vernalis: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	22.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	-0.3%	-0.1%	-0.1%	-0.2%	-0.1%	-0.1%
1926	D	0.5%	0.1%	0.1%	0.7%	0.3%	0.1%	0.1%	0.0%	-0.4%	0.1%	0.3%	0.4%	0.4%	0.2%
1927	AN	0.1%	0.1%	0.1%	0.1%	0.8%	0.2%	13.3%	0.0%	-0.2%	13.6%	0.0%	0.1%	0.1%	0.6%
1928	BN	0.3%	5.7%	0.4%	0.4%	0.4%	8.8%	0.0%	-0.2%	2.8%	10.7%	0.0%	-0.1%	0.0%	0.0%
1929	C	0.6%	0.4%	0.4%	0.4%	0.3%	0.0%	-0.2%	0.0%	-0.4%	-0.3%	-0.4%	-0.5%	0.4%	-0.1%
1930	C	14.7%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.1%	13.0%	13.6%	0.0%	0.0%	-0.1%	0.6%	-0.2%
1931	C	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	29.2%	6.8%
1932	AN	18.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
1933	D	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	-0.4%	0.2%	0.0%	0.0%	2.1%	0.2%
1934	C	0.1%	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.3%	-0.4%	5.1%	6.3%
1935	AN	18.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1936	AN	1.9%	5.5%	0.1%	0.1%	24.2%	3.3%	11.0%	5.0%	-0.1%	0.3%	0.0%	0.0%	0.0%	0.0%
1937	W	16.4%	0.4%	0.4%	0.3%	3.9%	0.1%	0.0%	1.5%	1.4%	5.7%	0.0%	0.0%	0.0%	0.0%
1938	W	0.6%	0.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
1940	AN	0.0%	3.7%	0.0%	1.3%	8.7%	0.0%	0.6%	0.0%	-0.2%	1.0%	1.4%	0.2%	0.2%	0.2%
1941	W	0.3%	0.2%	29.8%	10.7%	1.9%	0.1%	0.4%	0.0%	0.0%	0.5%	0.6%	0.3%	0.0%	0.2%
1942	W	0.1%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	5.7%	0.0%	0.0%	0.0%
1943	W	1.2%	18.6%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	20.5%	0.0%	0.8%	0.0%	0.0%	1.4%	2.0%	0.5%	0.4%	0.4%
1946	AN	11.7%	0.3%	0.2%	0.1%	0.2%	0.1%	0.7%	-0.2%	-0.1%	0.9%	1.1%	-0.3%	-0.2%	0.1%
1947	D	0.2%	0.1%	18.9%	16.7%	1.9%	1.7%	-0.2%	0.0%	0.0%	-0.2%	-0.4%	-0.5%	15.3%	0.2%
1948	BN	1.7%	0.6%	0.6%	2.6%	2.2%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
1949	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.1%	0.0%	0.0%	0.0%	0.0%
1950	BN	12.3%	0.0%	0.0%	0.0%	0.0%	0.4%	0.7%	0.0%	-0.3%	0.9%	0.0%	-0.1%	-0.1%	0.8%
1951	AN	13.6%	0.2%	8.8%	16.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	-0.1%	-0.1%	0.0%	0.0%
1952	W	-0.1%	0.0%	0.0%	0.4%	20.6%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	0.0%	-0.3%	-0.3%	0.0%
1954	BN	0.0%	0.0%	0.0%	-0.1%	0.0%	0.2%	8.7%	0.0%	-0.2%	0.3%	0.6%	-0.2%	-0.1%	0.3%
1955	D	0.3%	0.3%	0.3%	0.2%	0.2%	0.4%	0.1%	0.0%	0.0%	0.8%	0.2%	0.2%	7.9%	3.7%
1956	W	2.6%	0.5%	1.7%	5.8%	0.0%	0.1%	0.0%	-0.2%	-0.1%	5.9%	16.6%	1.2%	1.0%	0.5%
1957	BN	0.5%	1.7%	0.2%	0.2%	0.1%	0.1%	2.0%	-0.2%	-0.1%	2.0%	2.6%	0.4%	0.3%	0.4%
1958	W	0.5%	0.4%	0.3%	0.3%	0.1%	5.2%	3.2%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	13.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.3%	-0.1%	-0.8%	-1.0%	-0.8%	-0.6%
1960	C	-0.3%	-0.1%	-0.1%	-0.2%	-0.2%	0.0%	0.1%	0.0%	-0.4%	0.2%	0.2%	0.3%	1.1%	0.1%
1961	C	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	-0.1%	0.0%	-0.1%	-0.2%	-0.3%	3.1%	-0.1%	0.2%
1962	BN	14.7%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.1%	0.0%	-0.4%	0.1%	0.2%	0.8%	0.6%	0.2%
1963	AN	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.1%	0.0%	0.0%	0.0%	0.1%
1964	D	0.0%	2.7%	0.1%	0.1%	8.4%	4.0%	0.2%	0.0%	-0.4%	0.2%	0.0%	0.0%	0.1%	0.1%
1965	W	3.8%	0.1%	22.8%	0.0%	13.5%	0.2%	1.5%	0.0%	0.0%	2.4%	5.9%	0.4%	0.5%	0.4%
1966	BN	91.2%	0.3%	0.2%	0.2%	0.2%	0.5%	0.0%	-0.2%	6.8%	23.7%	1.2%	1.5%	1.2%	0.4%
1967	W	1.4%	0.8%	0.5%	0.5%	0.8%	11.2%	1.9%	1.9%	1.7%	1.9%	0.0%	0.0%	-0.1%	0.0%
1968	D	4.6%	8.2%	8.5%	6.2%	0.0%	0.0%	0.0%	-0.3%	-0.2%	-0.1%	-0.7%	-0.9%	-0.7%	-0.6%
1969	W	-0.3%	-0.1%	-0.1%	4.2%	4.0%	1.4%	0.0%	0.0%	0.9%	0.9%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.2%	0.0%	0.0%	-0.2%	-0.2%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	11.9%	0.1%	1.2%	-0.2%	-0.2%	1.2%	1.5%	-0.4%	-0.3%	0.1%
1972	D	0.2%	0.2%	0.1%	0.1%	0.0%	17.4%	0.0%	0.0%	0.0%	23.4%	0.1%	0.1%	0.1%	0.3%
1973	AN	7.5%	0.6%	0.6%	0.3%	0.0%	0.0%	0.6%	0.0%	0.0%	-0.8%	0.1%	0.0%	0.0%	0.0%
1974	W	0.1%	0.2%	37.0%	24.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.5%	0.2%
1975	W	0.0%	0.1%	0.1%	0.1%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	7.3%	0.9%	0.7%	0.3%
1976	C	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.0%	0.0%	-0.4%	0.0%	0.0%	0.1%	0.1%	0.5%
1977	C	0.1%	0.0%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.7%	0.1%	0.0%
1978	W	2.2%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.5%	6.0%	6.7%	0.8%	0.0%	0.0%	0.0%
1979	AN	0.4%	0.3%	0.3%	0.7%	0.0%	0.0%	1.0%	0.0%	0.0%	-1.2%	0.2%	0.0%	-0.1%	0.0%
1980	W	16.3%	0.1%	0.1%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	5.2%	0.0%	0.0%	0.0%	-0.2%	-0.3%	-0.1%	-0.4%	-0.5%	-0.4%	-0.3%
1982	W	-0.1%	0.0%	-0.1%	4.7%	11.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	0.0%	-0.4%	-0.4%	-0.1%
1985	D	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	0.3%	7.6%	0.0%	-0.3%	4.8%	-0.1%	-0.1%	0.0%	0.0%
1986	W	0.4%	0.4%	0.3%	0.3%	12.4%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.0%	-0.6%
1988	C	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%
1989	C	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.5%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
1991	C	11.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-1.3%	-4.1%	-0.3%
1992	C	-0.2%	-0.1%	-0.1%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%
1993	W	15.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	19.9%	0.1%	0.1%	0.1%
1994	C	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.5%	-0.1%	-0.3%	-0.3%	-0.1%	-0.1%
Average		4.4%	0.8%	1.8%	1.4%	2.1%	0.9%	0.8%	0.3%	0.3%	1.5%	0.9%	0.2%	0.8%	0.3%
Maximum		91.2%	18.6%	37.0%	24.6%	24.2%	17.4%	13.3%	13.0%	13.6%	23.7%	19.9%	7.0%	29.2%	6.8%
Minimum		-0.3%	-0.1%	-0.1%	-0.2%	-0.2%	0.0%	-0.2%	-0.3%	-0.5%	-1.2%	-0.8%	-1.3%	-4.1%	-0.6%
Average by Year Type															
W		3.0%	1.1%	4.7%	2.6%	3.5%	1.5%	0.3%	0.3%	0.5%	1.2%	3.0%	0.2%	0.1%	0.1%
AN		5.2%	0.8%	0.7%	1.3%	3.9%	0.3%	2.0%	0.3%	-0.1%	1.1%	0.3%	0.0%	0.0%	0.1%
BN		10.0%	0.7%	0.1%	0.3%	1.2%	0.9%	1.1%	-0.1%	0.6%	3.3%	0.5%	0.1%	0.1%	0.2%
D		1.7%	1.1%	2.5%	2.6%	1.0%	2.2%	0.7%	-0.1%	-0.2%	2.6%	-0.2%	-0.2%	2.2%	0.3%
C		3.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.8%	0.7%	0.0%	-0.1%	0.6%	2.1%	0.8%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]C639

Table C-73. Newman Wasteway Flow: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1923	AN	0	0	0	0	0	0	0	651	1,355	0	0	0	0	0
1924	C	0	0	0	0	0	0	0	185	440	0	0	0	0	0
1925	BN	0	0	0	0	0	0	0	1,030	1,585	0	0	0	0	0
1926	D	0	0	0	0	0	0	0	1,037	1,738	0	0	0	0	0
1927	AN	0	0	0	0	0	0	0	350	1,602	0	0	0	0	0
1928	BN	0	0	0	0	0	0	0	1,632	1,956	0	0	0	0	0
1929	C	0	0	0	0	0	0	0	887	1,137	0	0	0	0	0
1930	C	0	0	0	0	0	0	0	864	1,217	0	0	0	0	0
1931	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	AN	0	0	0	0	0	0	0	223	1,624	0	0	0	0	0
1933	D	0	0	0	0	0	0	0	697	954	0	0	0	0	0
1934	C	0	0	0	0	0	0	0	244	619	0	0	0	0	0
1935	AN	0	0	0	0	0	0	0	0	982	0	0	0	0	0
1936	AN	0	0	0	0	0	0	0	0	1,271	0	0	0	0	0
1937	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1938	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1939	D	0	0	0	0	0	0	0	1,482	2,116	0	0	0	0	0
1940	AN	0	0	0	0	0	0	0	242	1,361	0	0	0	0	0
1941	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	W	0	0	0	0	0	0	0	98	551	0	0	0	0	0
1943	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	BN	0	0	0	0	0	0	0	1,909	1,661	0	0	0	0	0
1945	AN	0	0	0	0	0	0	0	0	1,052	0	0	0	0	0
1946	AN	0	0	0	0	0	0	0	1,377	1,699	0	0	0	0	0
1947	D	0	0	0	0	0	0	0	347	629	0	0	0	0	0
1948	BN	0	0	0	0	0	0	0	368	782	0	0	0	0	0
1949	BN	0	0	0	0	0	0	0	888	1,286	0	0	0	0	0
1950	BN	0	0	0	0	0	0	0	458	942	0	0	0	0	0
1951	AN	0	0	0	0	0	0	0	1,615	1,930	0	0	0	0	0
1952	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	BN	0	0	0	0	0	0	0	1,382	1,475	0	0	0	0	0
1954	BN	0	0	0	0	0	0	0	807	1,170	0	0	0	0	0
1955	D	0	0	0	0	0	0	0	434	455	0	0	0	0	0
1956	W	0	0	0	0	0	0	0	1,437	1,706	0	0	0	0	0
1957	BN	0	0	0	0	0	0	0	1,341	1,247	0	0	0	0	0
1958	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1959	D	0	0	0	0	0	0	0	2,274	1,272	0	0	0	0	0
1960	C	0	0	0	0	0	0	0	816	1,173	0	0	0	0	0
1961	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	BN	0	0	0	0	0	0	0	823	2,228	0	0	0	0	0
1963	AN	0	0	0	0	0	0	0	606	1,418	0	0	0	0	0
1964	D	0	0	0	0	0	0	0	791	966	0	0	0	0	0
1965	W	0	0	0	0	0	0	0	0	1,035	0	0	0	0	0
1966	BN	0	0	0	0	0	0	0	1,953	1,614	0	0	0	0	0
1967	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1968	D	0	0	0	0	0	0	0	2,217	1,332	0	0	0	0	0
1969	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	AN	0	0	0	0	0	0	0	1,229	1,739	0	0	0	0	0
1971	BN	0	0	0	0	0	0	0	1,451	1,494	0	0	0	0	0
1972	D	0	0	0	0	0	0	0	91	315	0	0	0	0	0
1973	AN	0	0	0	0	0	0	0	0	1,017	0	0	0	0	0
1974	W	0	0	0	0	0	0	0	0	123	0	0	0	0	0
1975	W	0	0	0	0	0	0	0	0	707	0	0	0	0	0
1976	C	0	0	0	0	0	0	0	538	784	0	0	0	0	0
1977	C	0	0	0	0	0	0	0	530	640	0	0	0	0	0
1978	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	AN	0	0	0	0	0	0	0	11	888	0	0	0	0	0
1980	W	0	0	0	0	0	0	0	0	238	0	0	0	0	0
1981	D	0	0	0	0	0	0	0	1,892	1,679	0	0	0	0	0
1982	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	AN	0	0	0	0	0	0	0	1,669	1,917	0	0	0	0	0
1985	D	0	0	0	0	0	0	0	768	1,141	0	0	0	0	0
1986	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	C	0	0	0	0	0	0	0	471	776	0	0	0	0	0
1988	C	0	0	0	0	0	0	0	288	488	0	0	0	0	0
1989	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	W	0	0	0	0	0	0	0	218	368	0	0	0	0	0
1994	C	0	0	0	0	0	0	0	1,102	1,155	0	0	0	0	0
Average		0	0	0	0	0	0	0	572	864	0	0	0	0	0
Maximum		0	0	0	0	0	0	0	2,274	2,228	0	0	0	0	0
Minimum		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average by Year Type															
W		0	0	0	0	0	0	0	88	236	0	0	0	0	0
AN		0	0	0	0	0	0	0	569	1,418	0	0	0	0	0
BN		0	0	0	0	0	0	0	1,170	1,453	0	0	0	0	0
D		0	0	0	0	0	0	0	1,094	1,145	0	0	0	0	0
C		0	0	0	0	0	0	0	370	527	0	0	0	0	0

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]NewmanWasteway

Table C74. Stanislaus River Flow below Goodwin Reservoir: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	354	212	212	137	389	279	388	1,500	1,500	1,412	222	372	467	240
1923	AN	627	279	279	279	279	297	826	1,500	1,500	974	244	342	428	244
1924	C	592	297	297	297	297	132	373	601	601	403	585	627	446	240
1925	BN	354	207	207	132	295	167	300	934	934	300	222	263	267	240
1926	D	369	229	229	167	167	133	266	626	626	266	449	688	301	240
1927	AN	354	208	208	133	288	260	300	1,345	1,345	782	222	263	267	240
1928	BN	464	260	260	260	260	258	300	1,319	1,319	701	222	315	339	240
1929	C	461	258	258	258	258	132	270	607	607	328	575	648	360	240
1930	C	354	207	207	132	132	129	258	562	562	338	612	677	316	240
1931	C	354	204	204	129	129	124	336	495	495	330	540	525	344	240
1932	AN	109	198	198	124	124	131	261	585	585	261	222	263	267	240
1933	D	354	206	206	131	131	125	251	507	507	251	412	406	444	240
1934	C	110	200	200	125	125	124	248	495	495	310	479	534	383	240
1935	AN	109	198	198	124	250	127	255	536	536	255	222	263	267	240
1936	AN	143	202	202	127	683	143	286	775	775	286	222	263	267	240
1937	W	354	218	218	143	351	267	300	1,446	1,446	1,101	222	263	267	240
1938	W	477	267	267	267	578	401	1,500	1,500	1,500	1,500	2,587	628	527	401
1939	D	3,883	425	544	644	657	287	581	1,500	1,500	1,219	843	972	967	546
1940	AN	494	287	287	287	287	325	1,197	1,500	1,500	1,197	522	352	426	275
1941	W	641	325	325	325	325	350	1,500	1,500	1,500	1,500	800	303	447	301
1942	W	773	350	350	350	350	401	1,500	1,500	1,500	1,500	825	628	527	401
1943	W	1,566	788	875	2,788	2,265	3,413	1,500	1,500	1,500	1,500	825	628	527	401
1944	BN	773	401	401	401	401	287	581	1,500	1,500	1,219	505	658	704	373
1945	AN	494	287	287	287	287	318	1,122	1,500	1,500	1,122	453	507	592	268
1946	AN	659	318	318	318	318	327	1,227	1,500	1,500	1,227	550	481	525	277
1947	D	581	327	327	327	327	181	403	979	979	494	775	876	520	240
1948	BN	382	233	233	181	181	136	271	663	663	271	222	266	331	240
1949	BN	354	211	211	136	136	133	267	629	629	267	222	359	382	240
1950	BN	354	208	208	133	146	145	290	806	806	290	222	273	308	240
1951	AN	354	220	271	1,232	2,036	926	1,393	1,500	1,500	1,393	702	291	291	291
1952	W	576	341	341	356	341	1,385	1,500	1,500	1,500	1,500	2,959	628	527	401
1953	BN	3,904	507	756	1,327	1,067	341	1,393	1,500	1,500	1,393	702	430	469	291
1954	BN	609	341	341	341	375	304	944	1,500	1,500	944	291	465	491	254
1955	D	599	304	304	304	304	144	333	785	785	287	608	771	467	240
1956	W	354	219	430	367	144	389	1,500	1,500	1,500	1,500	819	551	474	377
1957	BN	626	389	389	389	389	335	1,319	1,500	1,500	1,319	634	333	408	285
1958	W	624	335	335	335	335	401	1,500	1,500	1,500	1,500	825	628	527	401
1959	D	2,807	553	556	769	1,331	290	662	1,500	1,500	1,138	787	892	873	520
1960	C	519	290	290	290	290	133	265	616	616	347	652	758	297	240
1961	C	354	208	208	133	133	124	449	495	495	486	708	517	267	240
1962	BN	353	198	198	124	124	127	253	524	524	253	222	306	325	240
1963	AN	110	202	202	127	277	136	271	664	664	271	222	263	267	240
1964	D	354	211	211	136	136	132	264	604	604	264	566	656	330	240
1965	W	354	207	336	261	132	326	1,213	1,500	1,500	1,213	537	276	276	276
1966	BN	678	326	326	326	326	259	300	1,334	1,334	746	342	472	478	240
1967	W	463	259	259	259	259	401	1,500	1,500	1,500	1,500	825	628	527	401
1968	D	1,500	532	564	709	1,467	298	848	1,500	1,500	952	751	875	859	500
1969	W	535	298	298	298	402	648	1,500	1,500	1,984	1,984	3,398	628	527	401
1970	AN	3,382	611	1,230	4,853	2,558	1,070	1,430	1,500	1,500	1,430	736	396	425	294
1971	BN	615	344	344	344	344	332	1,286	1,500	1,500	1,286	604	495	530	282
1972	D	591	332	332	332	332	269	476	1,477	1,477	1,199	769	846	827	489
1973	AN	603	269	269	269	327	294	754	1,500	1,500	1,046	238	284	351	240
1974	W	628	294	294	294	294	372	1,500	1,500	1,500	1,500	885	445	400	345
1975	W	773	372	372	372	372	930	1,500	1,500	1,500	1,500	816	507	443	364
1976	C	773	382	382	382	382	250	461	1,194	1,194	507	743	812	814	341
1977	C	444	250	250	250	250	204	581	517	517	517	666	396	270	240
1978	W	354	201	201	212	174	234	300	1,142	1,142	300	222	263	267	240
1979	AN	429	246	246	234	252	295	771	1,500	1,500	1,029	239	263	300	240
1980	W	640	295	295	320	2,197	964	1,500	1,500	1,500	1,500	825	628	527	401
1981	D	773	401	401	552	559	292	696	1,500	1,500	1,104	751	874	852	493
1982	W	507	292	292	292	1,593	3,060	1,500	1,500	1,500	1,500	825	628	527	401
1983	W	5,025	2,523	2,919	4,150	4,744	5,460	1,500	1,500	1,500	1,500	4,082	2,406	668	1,052
1984	AN	5,498	3,298	4,687	2,629	2,376	1,333	1,497	1,500	1,500	1,497	798	519	577	300
1985	D	594	350	350	350	350	277	357	1,500	1,500	1,443	728	876	881	475
1986	W	592	277	277	277	277	3,847	1,500	1,500	1,500	1,500	825	628	527	401
1987	C	773	401	401	401	401	235	387	1,147	1,147	482	753	809	830	272
1988	C	431	246	246	235	235	147	415	546	546	422	642	681	267	240
1989	C	354	203	203	128	128	126	253	521	521	337	585	615	440	240
1990	C	354	201	201	126	126	124	294	495	495	332	520	545	299	240
1991	C	109	198	198	124	124	124	248	495	495	248	344	355	381	240
1992	C	109	198	198	124	124	124	248	495	495	248	452	442	267	240
1993	W	109	198	198	124	124	124	248	495	495	248	222	263	267	240
1994	C	109	198	198	124	124	124	272	495	495	248	437	541	267	240
Average		783	363	408	476	535	510	747	1,123	1,129	870	689	542	453	311
Maximum		5,498	3,298	4,687	4,853	4,744	5,460	1,500	1,500	1,984	1,984	4,082	2,406	967	1,052
Minimum		109	198	198	124	124	124	248	495	495	248	222	263	267	240
Average by Year Type															
W		785	414	455	596	782	1,183	1,247	1,429	1,453	1,363	1,177	597	462	384
AN		955	487	634	787	739	427	828	1,243	1,243	912	399	339	375	259
BN		789	302	323	341	337	235	625	1,142	1,142	749	367	386	419	264
D		1,128	352	366	402	524	221	467	1,134	1,134	783	676	794	666	384
C		387	246	246	204	204	147	335	611	611	368	581	593	390	249

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]GoodwinV

Table C-75. Stanislaus River Flow below Goodwin Reservoir: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
1924	C	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	4.3	4.3	-0.2	-0.2	-0.3	0.0	0.0
1925	BN	0.0	0.3	0.3	0.3	0.0	11.8	0.0	-240.7	-174.6	0.0	0.0	0.0	0.0	0.0
1926	D	10.6	2.9	2.9	11.8	11.8	0.5	1.0	-249.8	-323.1	1.0	3.3	4.0	2.2	0.0
1927	AN	0.0	0.5	0.5	0.5	0.0	8.4	0.0	127.3	-155.2	403.4	0.0	0.0	0.0	0.0
1928	BN	2.0	8.4	8.4	8.4	8.4	5.6	0.0	-180.6	-180.6	270.5	0.0	-1.7	-2.2	0.0
1929	C	11.3	5.6	5.6	5.6	5.6	0.7	-1.7	-98.8	-245.4	-2.4	-3.8	-4.6	5.1	0.0
1930	C	0.0	0.7	0.7	0.7	0.7	0.9	1.9	-76.6	-225.1	-0.3	-0.4	-0.5	5.1	0.0
1931	C	0.0	0.9	0.9	0.9	0.9	0.0	0.1	0.0	0.0	0.2	-0.1	-14.8	59.4	0.0
1932	AN	0.0	0.0	0.0	0.0	0.0	0.8	1.6	12.3	-323.8	1.6	0.0	0.0	0.0	0.0
1933	D	0.0	0.8	0.8	0.8	0.8	1.6	3.2	11.7	-324.4	3.2	0.0	0.0	21.8	0.0
1934	C	1.0	2.3	2.3	1.6	1.6	0.0	0.0	0.0	-38.2	-1.5	-2.3	-2.8	40.2	0.0
1935	AN	0.0	0.0	0.0	0.0	1.3	1.2	2.3	17.6	-141.9	2.3	0.0	0.0	0.0	0.0
1936	AN	32.6	1.2	1.2	1.2	0.0	6.8	13.5	103.5	-232.6	13.5	0.0	0.0	0.0	0.0
1937	W	0.0	6.8	6.8	6.8	0.0	9.4	0.0	142.3	142.3	450.8	0.0	0.0	0.0	0.0
1938	W	18.8	9.4	9.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	275.9	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.2	0.6
1940	AN	0.0	0.0	0.0	0.0	0.0	3.2	38.5	0.0	0.0	38.5	35.3	2.7	1.6	3.2
1941	W	6.4	3.2	3.2	3.2	3.2	3.9	41.5	0.0	0.0	41.5	38.2	6.1	0.0	4.3
1942	W	6.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1943	W	66.4	388.0	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7	-0.6	0.0
1945	AN	0.0	0.0	0.0	0.0	0.0	4.6	55.0	0.0	0.0	55.0	50.4	8.2	6.3	4.6
1946	AN	9.6	4.6	4.6	4.6	4.6	2.6	31.6	0.0	0.0	31.6	29.0	-5.9	-5.0	2.6
1947	D	5.3	2.6	2.6	2.6	2.6	32.4	-1.9	116.1	-220.0	-2.8	-4.3	-5.2	155.8	0.0
1948	BN	28.0	9.1	9.1	32.4	32.4	0.4	0.7	5.7	-330.4	0.7	0.0	-0.6	-0.3	0.0
1949	BN	0.0	0.4	0.4	0.4	0.4	0.6	1.1	-99.8	-366.5	1.1	0.0	-0.3	0.0	0.0
1950	BN	0.0	0.6	0.6	0.6	0.0	8.4	16.7	128.0	-208.1	16.7	0.0	-2.0	-1.3	0.0
1951	AN	0.0	8.4	0.0	679.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	W	0.0	0.0	0.0	0.0	0.0	447.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.5	-3.4	0.0
1954	BN	0.0	0.0	0.0	0.0	2.1	5.2	79.3	0.0	0.0	9.5	11.1	-3.0	-1.9	6.6
1955	D	7.4	5.2	5.2	5.2	5.2	6.0	0.8	91.3	-176.2	12.0	1.9	2.3	86.2	0.0
1956	W	0.0	6.0	0.0	0.0	6.0	4.7	0.0	0.0	0.0	0.0	2.4	30.8	21.3	9.5
1957	BN	22.0	4.7	4.7	4.7	4.7	5.2	63.0	0.0	0.0	63.0	57.7	5.0	3.8	5.2
1958	W	10.5	5.2	5.2	5.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	797.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.5	-11.5	-8.9	-5.1
1960	C	-3.5	0.0	0.0	0.0	0.0	0.6	1.1	-28.2	-288.1	1.6	2.4	2.9	7.9	0.0
1961	C	0.0	0.6	0.6	0.6	0.6	0.0	-1.4	0.0	0.0	-2.1	-3.2	34.1	0.0	0.0
1962	BN	0.0	0.0	0.0	0.0	0.0	0.4	0.8	-36.6	-553.3	0.8	0.0	8.4	6.4	0.0
1963	AN	0.0	0.4	0.4	0.4	-12.4	1.1	2.1	16.1	-351.2	2.1	0.0	0.0	0.0	0.0
1964	D	0.0	1.1	1.1	1.1	1.1	1.2	2.4	-3.7	-294.5	2.4	-0.1	0.3	0.4	0.0
1965	W	0.0	1.2	0.0	0.0	1.2	8.1	97.7	0.0	0.0	97.7	89.5	8.1	8.1	8.1
1966	BN	16.3	8.1	8.1	8.1	8.1	16.3	0.0	-166.3	-86.1	446.5	14.6	18.4	13.9	0.0
1967	W	24.9	11.0	11.0	16.3	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	D	257.3	131.0	163.1	127.4	0.0	0.0	0.0	0.0	0.0	0.0	-9.1	-11.1	-8.5	-4.9
1969	W	-3.0	0.0	0.0	0.0	0.0	247.7	0.0	0.0	209.3	209.3	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.3	-3.1	0.0
1971	BN	0.0	0.0	0.0	0.0	0.0	3.1	37.0	0.0	0.0	37.0	33.9	-5.6	-4.2	3.1
1972	D	6.2	3.1	3.1	3.1	3.1	8.2	0.4	124.1	124.1	393.1	1.1	1.3	1.0	3.4
1973	AN	137.5	8.2	8.2	8.2	0.0	1.3	31.2	0.0	0.0	-31.2	2.6	0.0	0.0	0.0
1974	W	2.5	1.3	1.3	1.3	1.3	2.3	0.0	0.0	0.0	0.0	-61.4	14.8	10.2	4.5
1975	W	0.0	2.3	2.3	2.3	2.3	252.6	0.0	0.0	0.0	0.0	1.7	21.9	15.2	6.7
1976	C	0.0	3.4	3.4	3.4	3.4	2.7	0.2	9.2	-306.3	0.3	0.5	0.6	0.4	5.2
1977	C	2.5	0.7	0.7	2.7	2.7	0.0	0.0	3.9	-332.2	0.0	0.0	6.4	0.0	0.0
1978	W	0.0	0.3	0.3	0.0	0.0	21.2	0.0	65.8	65.8	0.0	0.0	0.0	0.0	0.0
1979	AN	19.1	5.3	5.3	21.2	0.0	2.2	54.0	0.0	0.0	-54.0	4.5	0.0	-1.0	0.0
1980	W	4.3	2.2	2.2	0.0	196.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	109.2	0.0	0.0	0.0	0.0	0.0	0.0	-5.1	-6.1	-4.7	-2.7
1982	W	-1.7	0.0	0.0	0.0	489.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-7.1	-5.4	0.0
1985	D	0.0	0.0	0.0	0.0	0.0	6.1	57.2	0.0	0.0	123.3	-0.7	-0.8	-0.8	-0.8
1986	W	7.5	6.1	6.1	6.1	6.1	1,042.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	-0.1	-0.1	-0.1	-0.1	-7.6
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	-0.1	-0.1	5.8	0.0	0.0
1989	C	0.0	0.2	0.2	0.2	0.2	0.2	0.4	2.9	2.9	0.0	0.0	0.1	4.3	0.0
1990	C	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	6.4	0.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-9.6	-34.6	0.0
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-314.6	-155.1	0.0	-2.6	-3.2	0.0	0.0
Average		20.6	9.2	4.4	15.1	11.2	30.0	8.6	-7.0	-79.7	36.1	7.6	1.0	5.4	0.6
Maximum		797.0	388.0	163.1	679.0	489.1	1,042.9	97.7	142.3	209.3	450.8	275.9	34.1	155.8	9.5
Minimum		-3.5	0.0	0.0	0.0	-12.4	0.0	-1.9	-314.6	-553.3	-54.0	-61.4	-14.8	-34.6	-7.6
Average by Year Type															
W		7.2	22.3	3.7	2.7	36.4	102.0	7.0	10.4	20.9	40.0	17.3	4.1	2.7	1.7
AN		14.2	2.0	1.4	51.1	-0.5	2.3	16.4	19.8	-86.0	33.1	8.7	-0.5	-0.5	0.7
BN		5.7	2.6	2.6	4.6	4.7	4.7	16.6	-49.2	-158.3	70.5	9.8	1.1	0.9	1.2
D		98.5	13.3	16.3	23.7	2.2	5.1	5.7	8.2	-110.4	48.4	-2.1	-2.5	22.2	-0.9
C		0.7	0.9	0.9	1.0	1.0	0.3	0.0	-30.9	-119.7	-0.3	-0.3	0.9	5.9	-0.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]GoodwinV

Table C-76. Stanislaus River Flow below Goodwin Reservoir: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.1%	0.1%	0.2%	0.0%	7.6%	0.0%	-20.5%	-15.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1926	D	3.0%	1.3%	1.3%	7.6%	7.6%	0.4%	0.4%	-28.5%	-34.0%	0.4%	0.7%	0.6%	0.7%	0.0%
1927	AN	0.0%	0.2%	0.2%	0.4%	0.0%	3.3%	0.0%	10.5%	-10.3%	106.6%	0.0%	0.0%	0.0%	0.0%
1928	BN	0.4%	3.3%	3.3%	3.3%	3.3%	2.2%	0.0%	-12.0%	-12.0%	62.8%	0.0%	-0.5%	-0.6%	0.0%
1929	C	2.5%	2.2%	2.2%	2.2%	2.2%	0.5%	-0.6%	-14.0%	-28.8%	-0.7%	-0.7%	-0.7%	1.4%	0.0%
1930	C	0.0%	0.3%	0.3%	0.5%	0.5%	0.7%	0.7%	-12.0%	-28.6%	-0.1%	-0.1%	-0.1%	1.6%	0.0%
1931	C	0.0%	0.5%	0.5%	0.7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-2.7%	20.8%	0.0%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.6%	2.2%	-35.6%	0.6%	0.0%	0.0%	0.0%	0.0%
1933	D	0.0%	0.4%	0.4%	0.6%	0.6%	1.3%	1.3%	2.4%	-39.0%	1.3%	0.0%	0.0%	5.2%	0.0%
1934	C	0.9%	1.2%	1.2%	1.3%	1.3%	0.0%	0.0%	0.0%	-7.2%	-0.5%	-0.5%	-0.5%	11.7%	0.0%
1935	AN	0.0%	0.0%	0.0%	0.0%	0.5%	0.9%	0.9%	3.4%	-20.9%	0.9%	0.0%	0.0%	0.0%	0.0%
1936	AN	29.7%	0.6%	0.6%	0.9%	0.0%	5.0%	5.0%	15.4%	-23.1%	5.0%	0.0%	0.0%	0.0%	0.0%
1937	W	0.0%	3.2%	3.2%	5.0%	0.0%	3.7%	0.0%	10.9%	10.9%	69.3%	0.0%	0.0%	0.0%	0.0%
1938	W	4.1%	3.7%	3.7%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.9%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
1940	AN	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	3.3%	0.0%	0.0%	3.3%	7.2%	0.8%	0.4%	1.2%
1941	W	1.0%	1.0%	1.0%	1.0%	1.0%	1.1%	2.8%	0.0%	0.0%	2.8%	5.0%	2.1%	0.0%	1.4%
1942	W	0.9%	1.1%	1.1%	1.1%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	4.4%	96.9%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	5.2%	0.0%	0.0%	5.2%	12.5%	1.6%	1.1%	1.7%
1946	AN	1.5%	1.5%	1.5%	1.5%	1.5%	0.8%	2.6%	0.0%	0.0%	2.6%	5.6%	-1.2%	-0.9%	1.0%
1947	D	0.9%	0.8%	0.8%	0.8%	0.8%	21.8%	-0.5%	13.5%	-18.4%	-0.6%	-0.6%	-0.6%	42.8%	0.0%
1948	BN	7.9%	4.0%	4.0%	21.8%	21.8%	0.3%	0.3%	0.9%	-33.2%	0.3%	0.0%	-0.2%	-0.1%	0.0%
1949	BN	0.0%	0.2%	0.2%	0.3%	0.3%	0.4%	0.4%	-13.7%	-36.8%	0.4%	0.0%	-0.1%	0.0%	0.0%
1950	BN	0.0%	0.3%	0.3%	0.4%	0.0%	6.1%	6.1%	18.9%	-20.5%	6.1%	0.0%	-0.7%	-0.4%	0.0%
1951	AN	0.0%	4.0%	0.0%	122.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1952	W	0.0%	0.0%	0.0%	0.0%	0.0%	47.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.7%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.6%	1.7%	9.2%	0.0%	0.0%	1.0%	4.0%	-0.6%	-0.4%	2.7%
1955	D	1.3%	1.7%	1.7%	1.7%	1.7%	4.3%	0.2%	13.2%	-18.3%	4.3%	0.3%	0.3%	22.6%	0.0%
1956	W	0.0%	2.8%	0.0%	0.0%	4.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.3%	5.9%	4.7%	2.6%
1957	BN	3.6%	1.2%	1.2%	1.2%	1.2%	1.6%	5.0%	0.0%	0.0%	5.0%	10.0%	1.5%	0.9%	1.9%
1958	W	1.7%	1.6%	1.6%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	39.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-1.3%	-1.0%	-1.0%
1960	C	-0.7%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	-4.4%	-31.9%	0.5%	0.4%	0.4%	2.7%	0.0%
1961	C	0.0%	0.3%	0.3%	0.4%	0.4%	0.0%	-0.3%	0.0%	0.0%	-0.4%	-0.5%	7.1%	0.0%	0.0%
1962	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	-6.5%	-51.3%	0.3%	0.0%	2.8%	2.0%	0.0%
1963	AN	0.0%	0.2%	0.2%	0.3%	-4.3%	0.8%	0.8%	2.5%	-34.6%	0.8%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.5%	0.5%	0.8%	0.8%	0.9%	0.9%	-0.6%	-32.8%	0.9%	0.0%	0.1%	0.1%	0.0%
1965	W	0.0%	0.6%	0.0%	0.0%	0.9%	2.6%	8.8%	0.0%	0.0%	8.8%	20.0%	3.0%	3.0%	3.0%
1966	BN	2.5%	2.6%	2.6%	2.6%	2.6%	6.7%	0.0%	-11.1%	-6.1%	148.8%	4.4%	4.1%	3.0%	0.0%
1967	W	5.7%	4.4%	4.4%	6.7%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	20.7%	32.7%	40.7%	21.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-1.2%	-1.0%	-1.0%
1969	W	-0.6%	0.0%	0.0%	0.0%	0.0%	61.8%	0.0%	0.0%	11.8%	11.8%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-0.7%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	3.0%	0.0%	0.0%	3.0%	5.9%	-1.1%	-0.8%	1.1%
1972	D	1.1%	0.9%	0.9%	0.9%	0.9%	3.1%	0.1%	9.2%	9.2%	48.8%	0.1%	0.2%	0.1%	0.7%
1973	AN	29.6%	3.1%	3.1%	3.1%	0.0%	0.4%	4.3%	0.0%	0.0%	-2.9%	1.1%	0.0%	0.0%	0.0%
1974	W	0.4%	0.4%	0.4%	0.4%	0.4%	0.6%	0.0%	0.0%	0.0%	0.0%	-6.5%	3.4%	2.6%	1.3%
1975	W	0.0%	0.6%	0.6%	0.6%	0.6%	37.3%	0.0%	0.0%	0.0%	0.0%	0.2%	4.5%	3.5%	1.9%
1976	C	0.0%	0.9%	0.9%	0.9%	0.9%	1.1%	0.0%	0.8%	-20.4%	0.1%	0.1%	0.1%	0.0%	1.5%
1977	C	0.6%	0.3%	0.3%	1.1%	1.1%	0.0%	0.0%	0.8%	-39.1%	0.0%	0.0%	1.6%	0.0%	0.0%
1978	W	0.0%	0.1%	0.1%	0.0%	0.0%	10.0%	0.0%	6.1%	6.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1979	AN	4.7%	2.2%	2.2%	10.0%	0.0%	0.8%	7.5%	0.0%	0.0%	-5.0%	1.9%	0.0%	-0.3%	0.0%
1980	W	0.7%	0.8%	0.8%	0.0%	9.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	24.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.7%	-0.6%	-0.5%
1982	W	-0.3%	0.0%	0.0%	0.0%	44.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.4%	-0.9%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	19.1%	0.0%	0.0%	9.3%	-0.1%	-0.1%	-0.1%	-0.2%
1986	W	1.3%	2.3%	2.3%	2.3%	2.3%	37.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-22.7%	0.0%	0.0%	0.0%	0.0%	-2.7%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.6%	0.0%	0.0%	0.9%	0.0%	0.0%
1989	C	0.0%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.6%	0.6%	0.0%	0.0%	0.0%	1.0%	0.0%
1990	C	0.0%	0.1%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	-2.6%	-8.3%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-38.8%	-23.8%	0.0%	-0.6%	-0.6%	0.0%	0.0%
Average		2.3%	2.6%	1.3%	3.5%	1.6%	3.9%	1.2%	-0.7%	-8.3%	6.9%	1.1%	0.3%	1.6%	0.2%
Maximum		39.6%	96.9%	40.7%	122.7%	44.3%	61.8%	19.1%	18.9%	11.8%	148.8%	20.0%	7.1%	42.8%	3.0%
Minimum		-0.7%	0.0%	0.0%	0.0%	-4.3%	0.0%	-0.6%	-38.8%	-51.3%	-5.0%	-6.5%	-2.7%	-8.3%	-2.7%
Average by Year Type															
W		1.0%	6.0%	1.1%	1.1%	3.6%	10.2%	0.6%	0.9%	1.4%	4.6%	1.5%	0.9%	0.7%	0.5%
AN		4.7%	0.8%	0.6%	9.9%	-0.2%	1.1%	2.2%	2.4%	-8.9%	8.4%	2.0%	-0.1%	-0.1%	0.3%
BN		1.2%	1.0%	1.0%	2.5%	2.5%	2.3%	2.0%	-3.7%	-14.6%	19.0%	2.0%	0.3%	0.2%	0.5%
D		6.0%	3.5%	4.2%	5.4%	1.1%	3.1%	2.0%	0.8%	-12.1%	5.9%	-0.2%	-0.3%	6.3%	-0.2%
C		0.2%	0.4%	0.4%	0.5%	0.5%	0.2%	0.0%	-4.1%	-12.5%	-0.1%	0.0%	0.2%	2.1%	-0.1%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]GoodwinV

Table C-77. Tuolumne River Flow below New Don Pedro Reservoir: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	1,059	1,020	929	487	507	3,237	3,709	4,011	4,035	2,573	7,587	3,297	2,660	1,989
1923	AN	1,246	1,020	2,067	3,568	2,334	1,417	3,514	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1924	C	1,059	1,020	929	487	420	861	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
1925	BN	616	582	527	262	357	880	2,152	3,128	3,213	2,237	2,331	2,601	2,558	1,603
1926	D	914	895	804	362	330	876	1,830	2,433	2,562	1,959	2,271	2,343	2,179	1,380
1927	AN	762	690	622	290	357	1,063	3,101	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1928	BN	1,059	1,020	929	487	500	4,513	3,780	3,780	2,826	2,242	2,331	2,601	2,558	1,603
1929	C	906	900	809	367	304	741	1,499	2,029	2,251	1,721	1,821	1,917	1,733	1,094
1930	C	640	582	527	262	274	711	1,499	2,029	2,251	1,721	1,821	1,917	1,733	1,094
1931	C	640	582	527	262	274	711	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
1932	AN	616	582	527	262	350	1,063	2,413	3,875	3,985	2,523	2,726	2,923	2,660	1,785
1933	D	1,059	1,020	929	487	455	1,001	1,860	2,444	2,573	1,989	2,271	2,343	2,179	1,380
1934	C	819	720	652	320	304	741	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
1935	AN	616	582	527	262	357	1,063	2,413	3,875	3,985	2,523	2,726	2,923	2,660	1,785
1936	AN	1,059	1,020	929	487	500	1,415	4,273	4,273	3,985	2,523	3,131	2,923	2,660	1,785
1937	W	1,059	1,020	929	487	2,975	4,430	3,988	4,011	3,985	2,523	3,131	2,923	2,660	1,785
1938	W	1,059	1,020	1,862	2,270	6,336	7,577	5,903	5,903	7,492	7,492	6,364	4,273	2,660	2,679
1939	D	1,806	1,020	929	487	505	2,350	2,754	2,754	2,489	1,959	2,246	2,318	2,154	1,355
1940	AN	762	690	622	290	1,249	5,476	3,880	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1941	W	1,059	1,020	929	1,083	4,996	4,759	4,584	4,584	4,380	2,918	3,202	3,297	2,660	1,989
1942	W	1,213	1,020	1,860	3,816	4,056	3,303	4,343	4,343	4,380	3,892	3,131	3,297	2,660	1,959
1943	W	1,213	1,020	1,502	5,041	4,182	6,037	3,981	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1944	BN	1,059	1,020	929	487	500	1,322	2,472	3,400	3,213	2,237	2,331	2,601	2,558	1,603
1945	AN	914	895	804	362	1,444	3,754	3,310	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1946	AN	1,059	1,020	2,701	2,420	2,904	3,156	3,402	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1947	D	1,059	1,020	929	487	455	1,001	1,830	2,360	2,489	1,959	2,246	2,318	2,154	1,355
1948	BN	762	690	622	290	350	880	2,157	2,741	2,826	2,242	2,331	2,601	2,558	1,603
1949	BN	906	900	809	367	387	910	2,157	2,741	2,826	2,242	2,331	2,601	2,558	1,603
1950	BN	906	900	809	367	387	910	2,152	3,128	3,213	2,237	2,331	2,601	2,558	1,603
1951	AN	914	895	2,821	3,923	3,759	2,758	2,608	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1952	W	1,059	1,020	929	487	2,236	4,643	5,697	5,697	4,380	3,647	6,263	4,138	2,660	2,654
1953	BN	1,515	1,020	929	2,722	1,950	2,059	2,824	3,400	3,213	2,237	2,331	2,601	2,558	1,603
1954	BN	914	895	804	362	382	905	3,310	3,400	3,213	2,237	2,331	2,601	2,558	1,603
1955	D	914	895	804	362	330	876	1,830	2,433	2,562	1,959	2,271	2,343	2,179	1,380
1956	W	762	690	772	7,390	4,083	3,445	3,339	4,011	4,270	2,808	4,934	3,363	2,660	2,399
1957	BN	1,646	1,020	929	487	647	3,187	2,424	3,400	3,213	2,237	2,331	2,601	2,558	1,603
1958	W	914	895	804	362	382	5,246	6,552	6,552	4,380	3,431	6,602	3,362	2,660	2,430
1959	D	1,476	1,020	929	487	1,281	2,014	2,318	2,440	2,562	1,959	2,271	2,343	2,179	1,380
1960	C	762	690	622	290	270	711	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1961	C	616	582	527	262	274	711	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
1962	BN	616	582	527	262	357	880	2,152	3,128	3,213	2,237	2,331	2,601	2,558	1,603
1963	AN	914	895	804	362	382	1,088	2,413	3,875	3,985	2,523	2,726	2,923	2,660	1,785
1964	D	1,059	1,020	929	487	590	1,068	1,837	2,367	2,489	1,959	2,246	2,318	2,154	1,355
1965	W	762	690	2,196	5,490	3,791	3,200	4,394	4,394	3,985	2,523	2,726	2,923	2,660	1,959
1966	BN	1,213	1,480	3,145	2,157	2,348	2,308	2,485	3,013	2,826	2,242	2,331	2,601	2,558	1,603
1967	W	906	900	809	367	387	4,738	5,466	5,466	4,380	2,918	5,519	7,075	2,660	2,840
1968	D	1,517	1,020	929	487	943	2,220	2,417	2,440	2,562	1,959	2,271	2,343	2,179	1,380
1969	W	762	690	622	4,922	6,493	4,941	6,381	6,381	6,473	6,473	9,716	4,533	2,660	2,678
1970	AN	1,880	1,020	1,232	6,298	3,749	3,911	2,677	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1971	BN	1,059	1,020	929	487	1,194	2,426	2,515	3,400	3,213	2,237	2,331	2,601	2,558	1,603
1972	D	914	895	804	362	325	1,223	1,837	2,367	2,489	1,959	2,246	2,318	2,154	1,355
1973	AN	762	690	622	290	2,612	3,736	2,735	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1974	W	1,059	1,020	929	2,916	2,082	3,379	4,300	4,300	3,985	2,523	2,772	2,923	2,660	1,785
1975	W	1,059	1,020	929	487	816	4,684	3,321	4,011	3,985	2,523	3,633	3,297	2,660	1,959
1976	C	1,465	1,020	929	487	420	861	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1977	C	616	582	527	262	274	711	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
1978	W	616	582	527	262	357	1,063	2,413	3,875	3,985	2,523	2,726	2,923	2,660	1,959
1979	AN	1,213	1,020	929	1,626	4,234	4,469	3,359	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1980	W	1,059	1,020	929	4,652	7,229	4,366	3,992	4,011	4,279	2,817	4,106	5,028	2,660	2,853
1981	D	1,551	1,020	929	487	455	2,368	2,572	2,572	2,573	1,989	2,271	2,343	2,179	1,380
1982	W	819	720	652	3,868	6,713	5,959	9,090	9,090	4,675	4,675	6,699	4,637	2,660	4,007
1983	W	4,069	2,527	4,836	5,555	6,959	9,411	5,580	5,580	4,380	3,127	12,167	9,631	3,055	4,933
1984	AN	2,237	4,910	6,813	4,064	3,827	3,558	2,549	4,011	3,985	2,523	2,726	2,923	2,660	1,785
1985	D	1,059	1,020	929	487	455	1,001	1,953	2,451	2,573	1,989	2,271	2,343	2,179	1,380
1986	W	819	720	652	320	7,686	7,427	3,490	4,011	4,144	2,682	4,797	3,292	2,660	1,959
1987	C	1,213	1,020	929	487	424	861	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1988	C	616	582	527	262	270	711	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
1989	C	616	582	527	262	274	711	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1990	C	616	582	527	262	274	711	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1991	C	616	582	527	262	274	711	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1992	C	616	582	527	262	270	711	1,499	1,826	2,048	1,721	1,821	1,917	1,733	1,094
1993	W	616	582	527	262	357	1,063	2,413	3,875	3,985	2,523	2,726	2,923	2,660	1,785
1994	C	1,059	1,020	929	487	424	861	1,499	2,029	2,251	1,721	1,821	1,917	1,733	1,094
Average		1,032	941	1,074	1,288	1,660	2,467	2,920	3,408	3,326	2,445	3,042	2,857	2,372	1,715
Maximum		4,069	4,910	6,813	7,390	7,686	9,411	9,090	9,090	7,492	7,492	12,167	9,631	3,055	4,933
Minimum		616	582	527	262	270	711	1,499	1,679	1,901	1,721	1,821	1,917	1,733	1,094
Average by Year Type															
W		1,097	960	1,206	2,526	3,631	4,645	4,647	4,906	4,477	3,356	5,076	4,003	2,680	2,419
AN		1,068	1,138	1,573	1,750	2,004	2,709	3,046	4,001	3,985	2,523	2,755	2,923	2,660	1,785
BN		1,022	927	991	728	780	1,765	2,548	3,222	3,084	2,239	2,331	2,601	2,558	1,603
D		1,212	986	895	453	557	1,455	2,094	2,460	2,538	1,967	2,262	2,334	2,170	1,370
C		804	727	659	330	314	752	1,499	1,809	2,031	1,721	1,821	1,917	1,733	1,094

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]DonPedroV

Table C-78. Tuolumne River Flow below New Don Pedro Reservoir: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1924	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1925	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-490.7	0.0	0.0	0.0	0.0	0.0
1926	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-490.7	0.0	0.0	0.0	0.0	0.0
1927	AN	0.0	0.0	0.0	0.0	0.0	0.0	552.1	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1928	BN	0.0	0.0	0.0	0.0	0.0	513.2	0.0	-315.1	-403.3	0.0	0.0	0.0	0.0	0.0
1929	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1930	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1931	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1932	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1933	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1934	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1935	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1936	AN	0.0	0.0	0.0	0.0	0.0	201.7	704.3	261.4	-29.6	0.0	0.0	0.0	0.0	0.0
1937	W	0.0	0.0	0.0	0.0	263.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-222.0	-502.6	0.0	0.0	0.0	0.0	0.0
1940	AN	0.0	0.0	0.0	0.0	375.1	0.0	0.0	0.0	-275.5	0.0	0.0	0.0	0.0	0.0
1941	W	0.0	0.0	0.0	130.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-315.1	-403.3	0.0	0.0	0.0	0.0	0.0
1945	AN	0.0	0.0	0.0	0.0	388.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-116.8	-480.4	0.0	0.0	0.0	0.0	0.0
1947	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1950	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1951	AN	0.0	0.0	578.1	0.0	0.0	0.0	0.0	-315.1	-356.8	0.0	0.0	0.0	0.0	0.0
1952	W	0.0	0.0	0.0	0.0	351.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-121.3	-399.1	0.0	0.0	0.0	0.0	0.0
1954	BN	0.0	0.0	0.0	0.0	0.0	0.0	259.2	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1955	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	W	0.0	0.0	150.2	134.2	0.0	0.0	0.0	-176.1	-326.3	90.8	207.9	0.0	0.0	0.0
1957	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-80.6	-404.8	0.0	0.0	0.0	0.0	0.0
1958	W	0.0	0.0	0.0	0.0	0.0	233.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-433.7	-276.8	0.0	0.0	0.0	0.0	0.0
1960	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1961	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-605.0	0.0	0.0	0.0	0.0	0.0
1963	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1964	D	0.0	0.0	0.0	0.0	140.0	66.1	0.0	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1965	W	0.0	0.0	859.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-315.1	-403.3	0.0	0.0	0.0	0.0	0.0
1967	W	0.0	0.0	0.0	0.0	0.0	350.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-377.0	-337.3	0.0	0.0	0.0	0.0	0.0
1969	W	0.0	0.0	0.0	350.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-605.0	0.0	0.0	0.0	0.0	0.0
1971	BN	0.0	0.0	0.0	0.0	318.1	0.0	0.0	-190.4	-401.9	0.0	0.0	0.0	0.0	0.0
1972	D	0.0	0.0	0.0	0.0	0.0	287.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-33.6	0.0	0.0	0.0	0.0	0.0
1977	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1978	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1979	AN	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-315.1	-403.3	0.0	0.0	0.0	0.0	0.0
1982	W	0.0	0.0	0.0	350.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-315.1	-403.3	0.0	0.0	0.0	0.0	0.0
1985	D	0.0	0.0	0.0	0.0	0.0	0.0	86.4	0.0	-336.1	0.0	0.0	0.0	0.0	0.0
1986	W	0.0	0.0	0.0	0.0	514.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-367.6	0.0	0.0	0.0	0.0	0.0
Average		0.0	0.0	21.7	13.5	32.2	22.6	21.9	-45.9	-174.9	1.2	2.8	0.0	0.0	0.0
Maximum		0.0	0.0	859.1	350.9	514.8	513.2	704.3	261.4	0.0	90.8	207.9	0.0	0.0	0.0
Minimum		0.0	0.0	0.0	0.0	0.0	0.0	0.0	-433.7	-605.0	0.0	0.0	0.0	0.0	0.0
Average by Year Type															
W		0.0	0.0	50.5	48.3	56.5	29.2	0.0	-8.8	-16.3	4.5	10.4	0.0	0.0	0.0
AN		0.0	0.0	41.3	1.1	54.5	14.4	89.7	-34.7	-249.7	0.0	0.0	0.0	0.0	0.0
BN		0.0	0.0	0.0	0.0	26.5	42.8	21.6	-111.5	-376.7	0.0	0.0	0.0	0.0	0.0
D		0.0	0.0	0.0	0.0	12.7	32.1	7.9	-122.5	-274.5	0.0	0.0	0.0	0.0	0.0
C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-88.1	0.0	0.0	0.0	0.0	0.0

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]DonPedroV

Table C-79. Tuolumne River Flow below New Don Pedro Reservoir: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1926	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-16.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1927	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	21.7%	0.0%	-7.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1928	BN	0.0%	0.0%	0.0%	0.0%	0.0%	12.8%	0.0%	-7.7%	-12.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1929	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1930	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1932	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1933	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1935	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1936	AN	0.0%	0.0%	0.0%	0.0%	0.0%	16.6%	19.7%	6.5%	-0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1937	W	0.0%	0.0%	0.0%	0.0%	9.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.5%	-16.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1940	AN	0.0%	0.0%	0.0%	0.0%	42.9%	0.0%	0.0%	0.0%	-6.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1941	W	0.0%	0.0%	0.0%	13.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.5%	-11.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	36.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1946	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.8%	-10.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1947	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1948	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1949	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1950	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1951	AN	0.0%	0.0%	25.8%	0.0%	0.0%	0.0%	0.0%	-7.3%	-8.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1952	W	0.0%	0.0%	0.0%	0.0%	18.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.4%	-11.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.5%	0.0%	-9.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1955	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1956	W	0.0%	0.0%	24.2%	1.9%	0.0%	0.0%	0.0%	-4.2%	-7.1%	3.3%	4.4%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.3%	-11.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1958	W	0.0%	0.0%	0.0%	0.0%	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.1%	-9.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1960	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1961	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1962	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	31.1%	6.6%	0.0%	0.0%	-11.9%	0.0%	0.0%	0.0%	0.0%	0.0%
1965	W	0.0%	0.0%	64.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1966	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.5%	-12.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1967	W	0.0%	0.0%	0.0%	0.0%	0.0%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.4%	-11.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	36.3%	0.0%	0.0%	-5.3%	-11.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	30.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1978	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1979	AN	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1980	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.9%	-13.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.0%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.3%	-9.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.6%	0.0%	-11.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	0.0%	7.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1993	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Average		0.0%	0.0%	1.6%	0.5%	2.5%	1.1%	0.7%	-1.4%	-5.1%	0.0%	0.1%	0.0%	0.0%	0.0%
Maximum		0.0%	0.0%	64.2%	13.7%	42.9%	30.7%	21.7%	6.5%	0.0%	3.3%	4.4%	0.0%	0.0%	0.0%
Minimum		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-15.1%	-16.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Average by Year Type															
W		0.0%	0.0%	4.4%	1.7%	1.8%	0.6%	0.0%	-0.2%	-0.4%	0.2%	0.2%	0.0%	0.0%	0.0%
AN		0.0%	0.0%	1.8%	0.1%	5.7%	1.2%	3.0%	-0.8%	-5.7%	0.0%	0.0%	0.0%	0.0%	0.0%
BN		0.0%	0.0%	0.0%	0.0%	3.0%	1.1%	0.7%	-3.1%	-10.7%	0.0%	0.0%	0.0%	0.0%	0.0%
D		0.0%	0.0%	0.0%	0.0%	2.8%	3.4%	0.4%	-4.3%	-9.3%	0.0%	0.0%	0.0%	0.0%	0.0%
C		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.5%	0.0%	0.0%	0.0%	0.0%	0.0%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]DonPedroV

Table C-80. Merced River Flow below Lake McClure: Alternative 1 in CFS

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	455	185	179	130	369	902	1,403	1,403	3,583	3,583	5,702	2,202	1,769	1,153
1923	AN	2,336	168	858	1,087	903	662	1,450	1,450	2,026	2,026	2,119	2,173	1,748	1,222
1924	C	869	191	134	184	217	594	1,304	1,304	1,745	1,745	1,818	1,719	1,267	855
1925	BN	322	134	125	141	72	662	1,450	1,450	2,033	2,033	2,126	2,173	1,748	1,151
1926	D	398	211	195	70	126	667	1,412	1,412	2,009	2,009	2,099	2,145	1,688	931
1927	AN	345	34	125	60	72	662	1,450	1,450	2,033	2,033	2,126	2,173	1,748	1,249
1928	BN	519	243	195	228	209	732	1,491	1,491	2,025	2,025	2,082	2,080	1,639	1,205
1929	C	423	161	134	184	225	594	1,297	1,297	1,739	1,739	1,854	1,888	1,420	995
1930	C	343	128	90	120	99	350	904	904	1,218	1,218	1,309	1,332	981	692
1931	C	236	199	93	146	189	447	911	911	1,218	1,218	1,292	1,129	828	553
1932	AN	231	78	125	141	70	662	1,487	1,487	2,033	2,033	2,126	2,173	1,748	1,099
1933	D	366	216	173	130	126	667	1,462	1,462	2,002	2,002	2,099	2,145	1,503	914
1934	C	366	146	146	195	189	447	904	904	1,218	1,218	1,292	1,147	828	536
1935	AN	247	134	125	141	72	662	1,450	1,450	1,996	1,996	2,154	2,173	1,698	1,065
1936	AN	329	125	112	190	4,181	662	1,689	1,689	2,862	2,862	2,126	2,173	1,730	1,082
1937	W	1,199	139	179	249	4,072	1,111	1,403	1,403	3,920	3,920	2,208	2,202	1,719	1,049
1938	W	1,479	141	2,087	1,087	4,324	4,303	1,904	1,904	5,195	5,195	6,390	2,225	1,769	1,529
1939	D	3,329	235	195	319	507	691	1,541	1,541	2,090	2,090	2,200	2,174	1,527	1,092
1940	AN	361	77	62	141	70	662	1,457	1,457	2,043	2,043	2,126	2,173	1,630	1,065
1941	W	439	132	1,012	1,169	2,649	1,500	1,403	1,403	3,780	3,780	3,961	2,197	1,769	1,197
1942	W	2,777	185	1,132	1,396	1,479	634	1,403	1,403	2,228	2,228	4,282	2,196	1,769	1,183
1943	W	2,889	408	641	2,307	1,659	2,869	1,701	1,701	2,675	2,675	2,082	2,202	1,769	1,118
1944	BN	1,315	167	146	228	777	732	1,516	1,516	2,018	2,018	2,075	2,080	1,555	1,049
1945	AN	312	168	174	190	2,192	856	1,450	1,450	2,026	2,026	2,119	2,173	1,748	1,118
1946	AN	1,989	492	1,699	908	579	662	1,455	1,455	2,039	2,039	2,126	2,173	1,630	1,065
1947	D	398	269	641	453	687	667	1,462	1,462	2,009	2,009	2,082	2,077	1,503	897
1948	BN	415	185	98	179	174	732	1,479	1,479	2,012	2,012	2,075	2,080	1,521	1,049
1949	BN	415	161	138	179	216	732	1,516	1,516	2,025	2,025	2,082	2,080	1,470	1,049
1950	BN	398	161	138	228	216	732	1,509	1,509	2,025	2,025	2,082	2,080	1,454	1,049
1951	AN	455	185	309	1,445	1,299	634	1,440	1,440	2,004	2,004	2,091	2,202	1,617	1,049
1952	W	455	127	179	152	1,115	1,538	1,497	1,497	5,242	5,242	4,112	2,210	1,769	1,218
1953	BN	2,924	166	275	990	507	732	1,523	1,523	2,018	2,018	2,075	2,080	1,486	1,049
1954	BN	415	161	133	228	216	732	1,502	1,502	2,018	2,018	2,082	2,080	1,454	1,049
1955	D	382	211	228	130	126	667	1,455	1,455	1,989	1,989	2,099	2,145	1,503	897
1956	W	236	94	130	1,223	1,376	634	1,435	1,435	2,194	2,194	3,784	2,202	1,769	1,213
1957	BN	2,808	202	133	228	604	732	1,529	1,529	1,999	1,999	2,075	2,080	1,504	1,049
1958	W	455	127	179	130	189	874	2,221	2,221	4,688	4,688	3,911	2,204	1,769	1,235
1959	D	2,696	188	138	244	774	691	1,560	1,560	2,090	2,090	2,200	2,090	1,527	1,092
1960	C	382	128	93	146	183	447	892	892	1,205	1,205	1,292	1,213	795	536
1961	C	268	151	146	135	189	447	904	904	1,218	1,218	1,292	1,163	846	553
1962	BN	231	78	109	125	72	662	1,487	1,487	2,039	2,039	2,133	2,173	1,714	1,065
1963	AN	361	110	116	190	108	662	1,450	1,450	1,989	1,989	2,119	2,166	1,748	1,082
1964	D	398	269	228	130	122	667	1,455	1,455	2,002	2,002	2,099	2,127	1,503	931
1965	W	439	151	130	81	1,081	634	1,403	1,403	1,986	1,986	2,161	2,202	1,769	1,160
1966	BN	2,741	1,012	740	681	579	716	1,462	1,462	2,009	2,009	2,082	2,095	1,535	950
1967	W	455	185	179	130	189	1,051	1,635	1,635	3,894	3,894	6,115	3,642	1,797	1,745
1968	D	3,113	189	195	244	632	691	1,555	1,555	2,090	2,090	2,200	2,158	1,578	1,092
1969	W	407	151	130	81	3,385	1,650	2,491	2,491	7,205	7,205	5,661	2,226	1,769	1,456
1970	AN	3,298	101	515	2,600	1,191	753	1,499	1,499	2,051	2,051	2,149	2,129	1,618	1,099
1971	BN	415	218	195	228	216	732	1,529	1,529	2,018	2,018	2,075	2,080	1,537	1,065
1972	D	366	235	228	130	122	667	1,467	1,467	2,015	2,015	2,099	2,095	1,519	1,054
1973	AN	317	202	114	146	108	651	1,464	1,464	1,989	1,989	2,136	2,145	1,704	1,134
1974	W	431	118	867	1,445	669	1,143	1,496	1,496	2,623	2,623	2,382	2,226	1,802	1,151
1975	W	1,537	124	211	198	1,947	1,098	1,428	1,428	2,036	2,036	3,887	2,243	1,818	1,205
1976	C	2,123	218	163	215	234	618	1,272	1,272	1,778	1,778	1,803	1,654	1,260	780
1977	C	359	145	59	102	138	194	412	412	477	477	600	427	234	160
1978	W	255	110	195	195	162	569	1,311	1,311	2,540	2,540	5,786	2,472	1,737	2,300
1979	AN	3,205	168	141	1,528	1,875	1,241	1,450	1,450	2,383	2,383	2,133	2,173	1,748	1,134
1980	W	919	135	179	4,269	4,436	1,567	1,444	1,444	2,125	2,125	3,764	2,202	1,769	1,430
1981	D	3,125	220	165	130	313	667	1,455	1,455	2,015	2,015	2,082	2,095	1,569	931
1982	W	455	151	130	81	2,396	1,974	5,295	5,295	4,793	4,793	3,413	2,222	1,769	1,630
1983	W	3,879	1,384	2,284	3,055	3,910	5,209	1,403	1,403	4,349	4,349	9,638	5,571	1,818	2,923
1984	AN	3,439	1,702	3,292	1,543	1,376	634	1,447	1,447	2,017	2,017	2,091	2,202	1,617	1,049
1985	D	415	218	195	228	216	683	1,523	1,523	2,025	2,025	2,059	1,996	1,454	1,101
1986	W	361	134	125	141	2,151	3,661	1,489	1,489	2,846	2,846	2,920	2,173	1,748	1,118
1987	C	1,750	169	121	213	216	618	1,272	1,272	1,778	1,778	1,803	1,636	1,210	780
1988	C	343	202	146	195	183	447	899	899	1,218	1,218	1,292	1,264	795	538
1989	C	236	199	146	146	189	447	904	904	1,218	1,218	1,292	1,247	812	588
1990	C	285	185	91	195	189	447	904	904	1,218	1,218	1,292	1,282	795	536
1991	C	150	145	91	141	126	447	892	892	1,213	1,213	1,302	1,329	862	553
1992	C	285	185	90	195	183	447	901	901	1,215	1,215	1,291	1,270	846	553
1993	W	350	157	195	195	162	569	1,360	1,360	1,953	1,953	3,109	2,176	1,735	1,116
1994	C	2,504	188	131	186	225	594	1,299	1,299	1,732	1,732	1,827	1,727	1,233	855
Average		1,040	222	342	501	855	920	1,452	1,452	2,292	2,292	2,548	2,047	1,502	1,061
Maximum		3,879	1,702	3,292	4,269	4,436	5,209	5,295	5,295	7,205	7,205	9,638	5,571	1,818	2,923
Minimum		150	34	59	60	70	194	412	412	477	477	600	427	234	160
Average by Year Type															
W		994	217	517	886	1,886	1,675	1,756	1,756	3,493	3,493	4,263	2,460	1,770	1,406
AN		1,230	267	555	737	1,007	719	1,474	1,474	2,106	2,106	2,124	2,171	1,695	1,108
BN		1,076	241	202	305	321	719	1,499	1,499	2,020	2,020	2,087	2,097	1,552	1,065
D		1,362	224	235	201	341	675	1,486	1,486	2,030	2,030	2,120	2,113	1,534	994
C		683	171	117	169	186	474	992	992	1,338	1,338	1,416	1,339	938	629

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]McClureV

Table C-81. Merced River Flow below Lake McClure: Difference in CFS (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-650.6	-514.5	0.0	0.0	0.0	0.0	0.0
1924	C	486.6	0.0	0.0	0.0	0.0	0.0	0.0	-189.5	-444.7	0.0	0.0	0.0	0.0	0.0
1925	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-672.2	0.0	0.0	0.0	0.0	0.0
1926	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-672.2	0.0	0.0	0.0	0.0	0.0
1927	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-477.8	-717.2	0.0	0.0	0.0	0.0	0.0
1928	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-929.6	-857.1	0.0	0.0	0.0	0.0	0.0
1929	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-386.5	0.0	0.0	0.0	0.0	0.0
1930	C	203.3	0.0	0.0	0.0	0.0	0.0	0.0	-419.1	-94.8	0.0	0.0	0.0	0.0	0.0
1931	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	676.8	817.0	551.1
1932	AN	222.7	0.0	0.0	0.0	0.0	0.0	0.0	-235.1	-796.1	0.0	0.0	0.0	0.0	0.0
1933	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-708.4	-125.2	0.0	0.0	0.0	0.0	0.0
1934	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-243.5	-580.5	0.0	0.0	0.0	0.0	507.2
1935	AN	223.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-840.3	0.0	0.0	0.0	0.0	0.0
1936	AN	0.0	0.0	0.0	0.0	2,163.4	0.0	0.0	0.0	-840.3	0.0	0.0	0.0	0.0	0.0
1937	W	397.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1938	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-1,008.3	0.0	0.0	0.0	0.0	0.0
1940	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-241.9	-582.3	0.0	0.0	0.0	0.0	0.0
1941	W	0.0	0.0	833.2	415.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1942	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-97.7	-550.9	50.3	299.7	0.0	0.0	0.0
1943	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1,121.3	-652.6	0.0	0.0	0.0	0.0	0.0
1945	AN	0.0	0.0	0.0	0.0	969.3	0.0	0.0	0.0	-840.3	0.0	0.0	0.0	0.0	0.0
1946	AN	398.4	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-814.8	0.0	0.0	0.0	0.0	0.0
1947	D	0.0	0.0	413.2	322.8	52.9	0.0	0.0	-462.0	-347.5	0.0	0.0	0.0	0.0	0.0
1948	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-374.2	-441.1	0.0	0.0	0.0	0.0	0.0
1949	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-386.5	0.0	0.0	0.0	0.0	0.0
1950	BN	203.3	0.0	0.0	0.0	0.0	0.0	0.0	-585.5	-230.5	0.0	0.0	0.0	0.0	152.8
1951	AN	366.7	0.0	130.0	860.4	0.0	0.0	0.0	-826.8	-966.7	0.0	0.0	0.0	0.0	0.0
1952	W	0.0	0.0	0.0	22.3	911.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-672.2	0.0	0.0	0.0	0.0	0.0
1954	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-351.0	0.0	0.0	0.0	0.0	0.0
1955	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-525.7	-279.6	0.0	0.0	0.0	0.0	569.9
1956	W	211.6	44.8	0.0	816.9	0.0	0.0	0.0	-787.8	-793.7	214.7	698.9	0.0	0.0	0.0
1957	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-612.2	0.0	0.0	0.0	0.0	0.0
1958	W	0.0	0.0	0.0	0.0	0.0	240.0	461.8	461.8	0.0	0.0	0.0	0.0	0.0	0.0
1959	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1,150.1	-621.8	0.0	0.0	0.0	0.0	0.0
1960	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-381.2	0.0	0.0	0.0	0.0	0.0
1961	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.2
1962	BN	223.3	28.4	0.0	0.0	0.0	0.0	0.0	-787.8	-768.7	0.0	0.0	0.0	0.0	0.0
1963	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-622.2	-563.1	0.0	0.0	0.0	0.0	0.0
1964	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-167.7	0.0	0.0	0.0	0.0	0.0
1965	W	61.8	0.0	0.0	0.0	928.1	0.0	0.0	0.0	-840.3	0.0	83.9	0.0	0.0	0.0
1966	BN	2,107.2	0.0	0.0	0.0	0.0	0.0	0.0	-1,150.1	-621.8	0.0	0.0	0.0	0.0	0.0
1967	W	0.0	0.0	0.0	0.0	0.0	417.2	231.3	231.3	231.2	231.2	0.0	0.0	0.0	0.0
1968	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1,150.1	-621.8	0.0	0.0	0.0	0.0	0.0
1969	W	0.0	0.0	0.0	0.0	966.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-696.7	0.0	0.0	0.0	0.0	0.0
1971	BN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-688.1	0.0	0.0	0.0	0.0	0.0
1972	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-214.8	-439.6	0.0	0.0	0.0	0.0	0.0
1973	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-840.3	0.0	0.0	0.0	0.0	0.0
1974	W	0.0	0.0	752.9	1,307.1	0.0	0.0	0.0	0.0	-123.3	0.0	61.4	0.0	0.0	0.0
1975	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-706.7	0.0	351.9	0.0	0.0	0.0
1976	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-547.8	-256.0	0.0	0.0	0.0	0.0	0.0
1977	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-533.4	-271.3	0.0	0.0	0.0	0.0	0.0
1978	W	35.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	653.3	653.3	88.7	0.0	0.0	0.0
1979	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-10.9	-823.0	5.6	0.0	0.0	0.0	0.0
1980	W	392.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-238.5	0.0	118.8	0.0	0.0	0.0
1981	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1,104.5	-670.5	0.0	0.0	0.0	0.0	0.0
1982	W	0.0	0.0	0.0	0.0	965.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	AN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-881.3	-908.6	0.0	0.0	0.0	0.0	0.0
1985	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-768.4	-300.1	0.0	0.0	0.0	0.0	0.0
1986	W	0.0	0.0	0.0	0.0	1,522.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-470.9	-337.9	0.0	0.0	0.0	0.0	0.0
1988	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-291.3	-491.2	0.0	0.0	0.0	0.0	0.0
1989	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	C	117.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	W	203.3	0.0	0.0	0.0	0.0	0.0	0.0	-217.8	-365.7	0.0	671.9	0.0	0.0	0.0
1994	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-787.8	-386.5	0.0	0.0	0.0	0.0	0.0
Average		80.2	1.0	29.2	51.3	116.2	9.0	9.5	-398.8	-401.6	15.8	32.5	9.3	11.2	25.5
Maximum		2,107.2	44.8	833.2	1,307.1	2,163.4	417.2	461.8	461.8	653.3	653.3	698.9	676.8	817.0	569.9
Minimum		0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1,150.1	-1,008.3	0.0	0.0	0.0	0.0	0.0
Average by Year Type															
W		65.1	2.2	79.3	128.1	264.7	32.9	34.7	-20.5	-136.7	57.5	118.8	0.0	0.0	0.0
AN		86.5	0.0	9.3	61.5	223.8	0.0	0.0	-394.4	-767.4	0.4	0.0	0.0	0.0	0.0
BN		211.2	2.4	0.0	0.0	0.0	0.0	0.0	-806.3	-579.5	0.0	0.0	0.0	0.0	12.7
D		0.0	0.0	37.6	29.3	4.8	0.0	0.0	-767.9	-477.7	0.0	0.0	0.0	0.0	51.8
C		50.5	0.0	0.0	0.0	0.0	0.0	0.0	-316.2	-226.9	0.0	0.0	42.3	51.1	71.2

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]McClureV

Table C-82. Merced River Flow below Lake McClure: Difference in Percentage (Alt 1 minus Base)

Water Year	Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr 1-14	Apr 15-30	May 1-15	May 16-31	Jun	Jul	Aug	Sep
1922	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1923	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-31.0%	-20.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1924	C	127.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.7%	-20.3%	0.0%	0.0%	0.0%	0.0%	0.0%
1925	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-35.2%	-24.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1926	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-35.8%	-25.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1927	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.8%	-26.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1928	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-38.4%	-29.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1929	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-37.8%	-18.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1930	C	145.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-31.7%	-7.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1931	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	149.8%	7556.5%	31406.0%
1932	AN	2696.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.6%	-28.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1933	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-32.6%	-5.9%	0.0%	0.0%	0.0%	0.0%	0.0%
1934	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-21.2%	-32.3%	0.0%	0.0%	0.0%	0.0%	1754.0%
1935	AN	937.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-29.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1936	AN	0.0%	0.0%	0.0%	0.0%	107.2%	0.0%	0.0%	0.0%	-22.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1937	W	49.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1938	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1939	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-33.8%	-32.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1940	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.2%	-22.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1941	W	0.0%	0.0%	465.8%	55.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1942	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.5%	-19.8%	2.3%	7.5%	0.0%	0.0%	0.0%
1943	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1944	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-42.5%	-24.4%	0.0%	0.0%	0.0%	0.0%	0.0%
1945	AN	0.0%	0.0%	0.0%	0.0%	79.3%	0.0%	0.0%	0.0%	-29.3%	0.0%	0.0%	0.0%	0.0%	0.0%
1946	AN	25.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-35.1%	-28.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1947	D	0.0%	0.0%	181.5%	248.1%	8.4%	0.0%	0.0%	-24.0%	-14.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1948	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-20.2%	-18.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1949	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.2%	-16.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1950	BN	104.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-28.0%	-10.2%	0.0%	0.0%	0.0%	0.0%	17.1%
1951	AN	413.8%	0.0%	72.7%	147.2%	0.0%	0.0%	0.0%	-36.5%	-32.5%	0.0%	0.0%	0.0%	0.0%	0.0%
1952	W	0.0%	0.0%	0.0%	17.2%	447.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1953	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.1%	-25.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1954	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.4%	-14.8%	0.0%	0.0%	0.0%	0.0%	0.0%
1955	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-26.5%	-12.3%	0.0%	0.0%	0.0%	0.0%	174.0%
1956	W	874.7%	90.9%	0.0%	201.0%	0.0%	0.0%	0.0%	-35.4%	-26.6%	10.8%	22.7%	0.0%	0.0%	0.0%
1957	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.0%	-23.4%	0.0%	0.0%	0.0%	0.0%	0.0%
1958	W	0.0%	0.0%	0.0%	0.0%	0.0%	37.8%	26.3%	26.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1959	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-42.4%	-22.9%	0.0%	0.0%	0.0%	0.0%	0.0%
1960	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-46.9%	-24.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1961	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.0%
1962	BN	2937.2%	57.6%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.6%	-27.4%	0.0%	0.0%	0.0%	0.0%	0.0%
1963	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-30.0%	-22.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1964	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-35.1%	-7.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1965	W	16.4%	0.0%	0.0%	0.0%	606.4%	0.0%	0.0%	0.0%	-29.7%	0.0%	4.0%	0.0%	0.0%	0.0%
1966	BN	332.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-44.0%	-23.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1967	W	0.0%	0.0%	0.0%	0.0%	0.0%	65.8%	16.5%	16.5%	6.3%	6.3%	0.0%	0.0%	0.0%	0.0%
1968	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-42.5%	-22.9%	0.0%	0.0%	0.0%	0.0%	0.0%
1969	W	0.0%	0.0%	0.0%	0.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1970	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.4%	-25.4%	0.0%	0.0%	0.0%	0.0%	0.0%
1971	BN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.0%	-25.4%	0.0%	0.0%	0.0%	0.0%	0.0%
1972	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.8%	-17.9%	0.0%	0.0%	0.0%	0.0%	0.0%
1973	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-29.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1974	W	0.0%	0.0%	661.4%	947.5%	0.0%	0.0%	0.0%	0.0%	-4.5%	0.0%	2.6%	0.0%	0.0%	0.0%
1975	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-25.8%	0.0%	10.0%	0.0%	0.0%	0.0%
1976	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-30.1%	-12.6%	0.0%	0.0%	0.0%	0.0%	0.0%
1977	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-56.4%	-36.3%	0.0%	0.0%	0.0%	0.0%	0.0%
1978	W	16.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	34.6%	34.6%	1.6%	0.0%	0.0%	0.0%
1979	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-25.7%	0.2%	0.0%	0.0%	0.0%	0.0%
1980	W	74.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.1%	0.0%	3.3%	0.0%	0.0%	0.0%
1981	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-43.1%	-25.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1982	W	0.0%	0.0%	0.0%	0.0%	67.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1983	W	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1984	AN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-37.9%	-31.1%	0.0%	0.0%	0.0%	0.0%	0.0%
1985	D	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-33.5%	-12.9%	0.0%	0.0%	0.0%	0.0%	0.0%
1986	W	0.0%	0.0%	0.0%	0.0%	242.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1987	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-27.0%	-16.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1988	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.5%	-28.7%	0.0%	0.0%	0.0%	0.0%	0.0%
1989	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1990	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1991	C	362.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1992	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1993	W	138.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.8%	-15.8%	0.0%	27.6%	0.0%	0.0%	0.0%
1994	C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-37.7%	-18.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Average		126.7%	2.0%	18.9%	22.1%	21.9%	1.4%	0.6%	-18.8%	-15.6%	0.7%	1.1%	2.1%	103.5%	457.1%
Maximum		2937.2%	90.9%	661.4%	947.5%	606.4%	65.8%	26.3%	26.3%	34.6%	34.6%	27.6%	149.8%	7556.5%	31406.0%
Minimum		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-56.4%	-36.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Average by Year Type															
W		58.5%	4.5%	56.4%	61.0%	70.2%	5.2%	2.1%	-0.7%	-4.6%	2.7%	4.0%	0.0%	0.0%	0.0%
AN		290.9%	0.0%	5.2%	10.5%	13.3%	0.0%	0.0%	-18.4%	-26.7%	0.0%	0.0%	0.0%	0.0%	0.0%
BN		281.2%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	-34.5%	-21.9%	0.0%	0.0%	0.0%	0.0%	1.4%
D		0.0%	0.0%	16.5%	22.6%	0.8%	0.0%	0.0%	-32.9%	-18.2%	0.0%	0.0%	0.0%	0.0%	15.8%
C		39.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-20.4%	-13.4%	0.0%	0.0%	9.4%	472.3%	2073.6%

Water year types are based on San Joaquin Valley Index (W: Wet; AN: Above Normal; BN: Below Normal; D: Dry; C: Critical)

D:\DMC\Final Report\ReportTables\Vamp\Final Table\[VAMP_riverflow.xls]McClureV