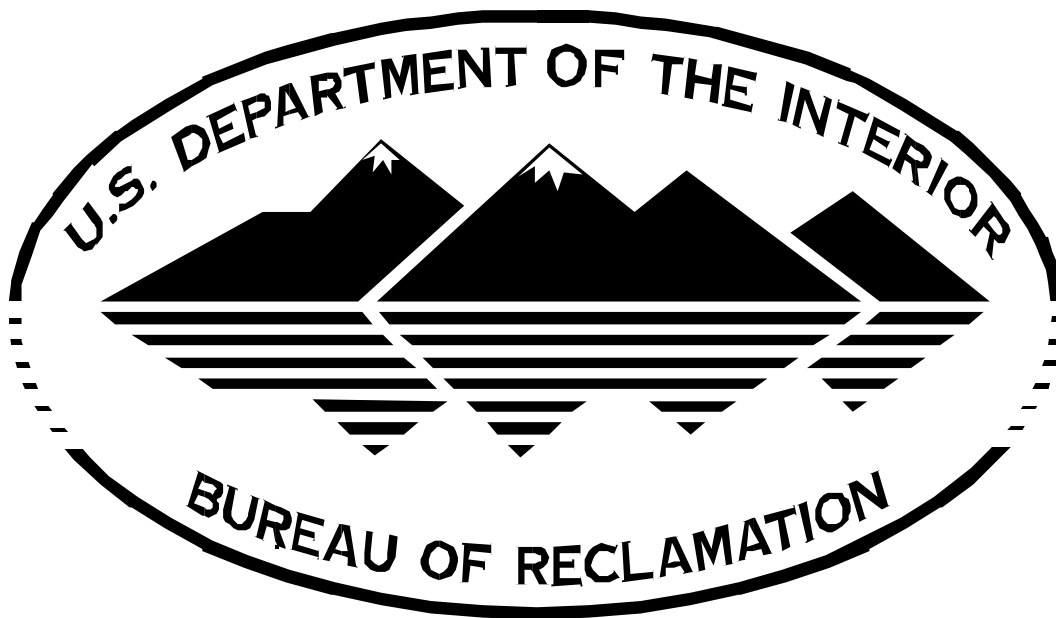


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



March 2002

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SUMMARY OF MARCH 2002 OPERATIONS

Sacramento had an average monthly temperature of 55.1 °F which was 2.0 °F below normal. The average temperature at Shasta Dam was 51.6 °F which was .8 °F below normal and Huntington Lake was 4.2 °F below normal with an average temperature of 32.5 °F.

Trinity System: Storage in Trinity Lake increased 99,600 acre-feet this month to 1,857,100 acre-feet, which is 76 percent of capacity and 104 percent of the 15 year average for this date. The total inflow for the month was 128,126 acre-feet. The Trinity River release was 300 ft³/s. Whiskeytown Lake was operated between elevations 1197.91 feet and 1198.86 feet with an end-of-month storage of 203,900 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 150 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 3,693 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 296,700 acre-feet for an end-of-month storage of 4,136,200 acre-feet, which is 91 percent of capacity and 119 percent of the 15 year average. The total inflow for the month was 587,251 acre-feet. The release to the Sacramento River at Keswick ranged between 4,000 and 6,200 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 118,100 acre-feet and had an end-of-month storage of 720,600 acre-feet, which is 74 percent of capacity and 123 percent of the 15 year average for this date. The total inflow for the month was 303,519 acre-feet. The release to the American River at Nimbus ranged between 1,500 and 4,000 ft³/s during the month.

New Melones: Storage in New Melones increased 34,200 acre-feet for an end-of-month storage of 1,621,500 acre-feet or 67 percent of capacity and 122 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam was 500 ft³/s for the month. The total inflow for the month was 88,571 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on March 31, 2002, was 953,000 acre-feet compared to the storage a year ago of 981,000 acre-feet.

Friant: Storage in Millerton Lake increased 54,554 acre-feet to 388,800 acre-feet. The total monthly inflow was 92,213 acre-feet. The release to the San Joaquin River at Friant varied between 91 and 144 ft³/s.

CVP Totals: The total diversions to CVP canals were 311,413 acre-feet. The March 31, 2002, storage in the 18 CVP reservoirs was 9,285,000 acre-feet compared to storage 1 year ago of 9,342,000 acre-feet.

Power: Gross power production for the CVP totaled 234,868,000 kilowatt-hours.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
MID-PACIFIC REGION
MONTHLY RESERVOIR STORAGE SUMMARY IN ACRE-FEET
(PRELIMINARY DATA SUBJECT TO REVISION)

Table 1

WATERSHED	RESERVOIR	TOTAL CAPACITY	03/31/02	03/31/01	WATERSHED	RESERVOIR	TOTAL CAPACITY	03/31/02	03/31/01
KLAMATH	CLEAR LAKE *	526,800	161,800	254,930	AMERICAN	FOLSOM LAKE *CVP	1,010,300	720,550	602,200
	GERBER *	94,300	46,830	58,840		LAKE NATOMA *CVP	9,030	7,900	7,724
	UPR KLAMATH LK *	873,300	444,200	448,850	COSUMNES	JENKINSON LK *CVP	41,000	39,540	36,080
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,857,120	1,882,450	MOKELUMNE	CAMANCHE	431,500	271,730	268,330
	LEWISTON LAKE*CVP	14,660	14,160	13,880		PARDEE	210,000	181,480	181,140
	WHISKEYTOWN *CVP	241,100	203,950	205,030	SALT SPRINGS	140,000	7,110	22,360	
MCCLOUD	MCCLOUD DIV. RES	35,230	20,630	25,280	CALAVERAS	NEW HOGAN	317,100	181,680	184,010
PIT	IRON CANYON	24,240	6,590	7,360		NEW MELONES*CVP	2,420,000	1,621,470	1,920,540
	LAKE BRITTON	40,620	31,620	39,490		BEARDSLEY	97,800	22,490	22,550
	PIT NO. 6	15,890	8,130	13,730	STANISLAUS	DONNELLS	64,320	6,820	14,190
	PIT NO. 7	34,610	32,080	29,500	TULLOCH	67,000	56,250	56,370	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	4,136,150	3,955,800	TUOLUMNE	LAKE ELEANOR	26,100	7,060	9,500
	SPRING CREEK *CVP	5,900	2,940	5,650		LAKE LLOYD	268,000	192,030	129,240
	KESWICK *CVP	23,800	21,700	21,000		HETCH-HETCHY	360,400	113,930	190,520
	RED BLUFF DIV *CVP	3,920	210	260	NEW DON PEDRO	2,030,000	1,527,720	1,679,060	
FEATHER	OROVILLE	3,538,000	2,414,820	2,048,310	TURLOCK LAKE	49,000	31,110	27,150	
	THERMALITO DIV RES	13,500	12,920	NA	MERCED	EXCHEQUER	1,024,600	458,730	660,620
	THERMALITO FORE.	14,400	10,980	0	BUCHANAN	150,000	32,580	80,330	
	THERMALITO AFTER.	57,000	31,060	28,720	CRANE VALLEY	45,400	32,090	31,200	
LAKE ALMANOR	1,143,000	773,660	728,870	LAKE T.A. EDISON	125,000	42,230	40,900		
STONY CREEK	EAST PARK *	50,900	48,430	48,500	FLORENCE LAKE	64,600	1,160	1,450	
	STONY GORGE *	50,000	47,670	49,790	SAN JOAQUIN	MAMMOTH POOL	122,700	14,070	32,330
	BLACK BUTTE *CVP	143,700	90,510	108,460	HUNTINGTON LAKE	89,800	42,190	46,730	
PUTAH CREEK	LAKE BERRYESSA *	1,602,300	1,506,830	1,489,000	REDINGER LAKE	35,000	24,060	24,630	
	LAKE SOLANO *	720	600	680	SHAVER LAKE	135,400	85,070	98,060	
YUBA	BULLARDS BAR	930,000	756,700	703,305	MILLERTON LK *CVP	520,500	388,820	375,750	
	SO. YUBA SYSTEM	146,000	43,580	47,930	FRESNO	HIDDEN	90,000	31,040	35,720
	NARROWS	70,000	64,040	69,010	SAN LUIS **CVP	2,040,600	2,027,960	1,977,990	
BEAR	ROLLINS	65,990	65,990	65,250	O'NEILL FORE.**CVP	56,400	47,130	40,380	
LITTLE TRUCKEE	STAMPEDE *	226,620	151,900	188,800	SAN LUIS	L BANOS RES**CVP	34,560	20,650	20,450
	BOCA *	41,140	16,900	11,200	LT PANOCHE **CVP	5,580	830	830	
PROSSER	PROSSER CREEK *	29,840	10,000	9,800	OIL CANYON	CONTRA LOMA *CVP	2,100	2,030	1,980
TRUCKEE	LAKE TAHOE *	732,000	165,200	397,700	KINGS	WISHON	128,300	36,900	63,550
	RYE PATCH *	190,000	27,900	70,900	PINE FLAT	1,001,500	459,190	517,110	
HUMBOLDT					KAWEAH	TERMINUS	143,000	44,460	50,040
CARSON	LAHONTAN *	317,280	164,600	200,200	TULE	SUCCESS	82,300	31,550	30,440
	TWIN LAKES	21,580	16,000	10,300	KERN	ISABELLA	588,100	111,280	139,740
	FRENCH MEADOWS	136,400	54,790	61,310	CUYAMA	TWITCHHELL *	240,100	NR	5,160
AMERICAN	HELL HOLE	207,590	75,360	70,040	SANTA YNEZ	LAKE CACHUMA *	190,500	164,000	192,950
	LOON LAKE	76,500	25,280	24,930	COYOTE	LAKE CASITAS *	254,000	218,630	241,410
	ICE HOUSE	46,000	22,090	19,220	TOTAL - 85 RESERVOIRS		33,790,020	22,923,390	23,556,079
	UNION VALLEY	277,300	17,510	65,310	TOTAL - 36 RESERVOIRS		18,992,650	14,379,110	14,845,164
	SLAB CREEK	16,600	14,440	15,780	TOTAL - 18 RESERVOIRS		13,572,850	11,203,620	11,176,454

** - Joint State-Federal Reservoir

* - USBR Reservoir

CVP - Central Valley Project

NR - Not Reported

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 3

MARCH 2002

SHASTA LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION C.F.S.	PRECIP INCHES	
		1000 ACRE-Feet IN LAKE	CHANGE		POWER	RIVER SPILL	OUTLET			
		3,839.5								
1	1,042.01	3,845.9	+6.4	8,917	5,508	0	0	189	.24	
2	1,042.29	3,853.4	+7.5	9,782	5,891	0	0	118	.15	
3	1,042.59	3,861.4	+8.0	9,193	4,993	0	0	158	.20	
4	1,042.74	3,865.4	+4.0	8,051	5,927	0	0	103	.13	
5	1,042.89	3,869.5	+4.0	8,018	5,887	0	0	110	.14	
6	1,043.24	3,878.8	+9.4	10,213	5,481	0	0	0	.00	
7	1,043.71	3,891.5	+12.6	12,093	5,658	0	0	71	.09	
8	1,044.12	3,902.5	+11.0	11,283	5,684	0	0	40	.05	
9	1,044.43	3,910.9	+8.4	10,153	5,761	0	0	175	.22	
10	1,044.91	3,923.8	+13.0	12,264	5,734	0	0	0	.00	
11	1,045.36	3,936.0	+12.2	11,489	5,319	0	0	24	.03	
12	1,045.73	3,946.0	+10.0	10,189	5,067	0	0	64	.08	
13	1,046.08	3,955.5	+9.5	9,958	5,032	0	0	136	.17	
14	1,046.47	3,966.2	+10.6	10,494	5,137	0	0	0	.00	
15	1,046.83	3,976.0	+9.8	10,576	5,535	0	0	96	.12	
16	1,047.18	3,985.5	+9.6	9,978	5,126	0	0	32	.04	
17	1,047.57	3,996.2	+10.7	8,593	3,074	0	0	137	.17	
18	1,047.80	4,002.5	+6.3	7,901	4,727	0	0	0	.00	
19	1,047.95	4,006.6	+4.1	7,398	5,207	0	0	121	.15	
20	1,048.08	4,010.2	+3.6	6,861	4,949	0	0	113	.14	
21	1,048.21	4,013.7	+3.6	6,328	4,371	0	0	154	.19	
22	1,048.54	4,022.8	+9.1	8,831	4,174	0	0	81	.10	
23	1,049.22	4,041.6	+18.7	13,192	3,716	0	0	32	.04	
24	1,049.73	4,055.6	+14.1	10,557	3,443	0	0	8	.01	
25	1,050.14	4,067.0	+11.3	9,265	3,462	0	0	82	.10	
26	1,050.54	4,078.1	+11.1	9,154	3,456	0	0	98	.12	
27	1,050.88	4,087.5	+9.4	8,276	3,321	0	0	196	.24	
28	1,051.31	4,099.5	+12.0	8,928	2,724	0	0	164	.20	
29	1,051.75	4,111.8	+12.3	9,301	2,948	0	0	164	.20	
30	1,052.25	4,125.8	+14.0	10,205	2,909	0	0	247	.30	
31	1,052.62	4,136.2	+10.4	8,627	3,184	0	0	214	.26	
TOTALS			+296.7	296,068	143,405	0	0	3,127	3.88	4.86
ACRE-Feet			+296,700	587,251	284,444	0	0	6,202		

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	284,444	OUTLET	0	THIS MONTH =	4.86
SPILL	0	TOTAL	284,444	JULY 1, 2001 TO DATE =	55.58

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 4

MARCH 2002

TRINITY LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		EVAPORATION		PRECIP INCHES (1)
		1000 ACRE-FEET IN LAKE	CHANGE			SPILL	OUTLET	C.F.S.	INCHES (1)	
		1,757.4								
1	2,323.80	1,761.7	+4.3	2,749	549	0	0	51	.13	.00
2	2,324.12	1,766.0	+4.3	2,433	280	0	0	0	.00	.00
3	2,324.39	1,769.6	+3.6	2,295	394	0	0	79	.20	.00
4	2,324.65	1,773.1	+3.5	2,227	438	0	0	35	.09	.00
5	2,324.93	1,776.8	+3.7	2,383	458	0	0	35	.09	.00
6	2,325.20	1,780.4	+3.6	2,330	494	0	0	8	.02	.30
7	2,325.47	1,784.1	+3.6	2,246	404	0	0	12	.03	.29
8	2,325.73	1,787.6	+3.5	2,213	411	0	0	40	.10	.04
9	2,325.98	1,790.9	+3.4	2,128	402	0	0	32	.08	.00
10	2,326.24	1,794.4	+3.5	2,155	373	0	0	12	.03	.40
11	2,326.46	1,797.4	+3.0	1,895	397	0	0	0	.00	.06
12	2,326.67	1,800.2	+2.8	1,852	406	0	0	16	.04	.03
13	2,326.89	1,803.2	+3.0	1,937	399	0	0	40	.10	.01
14	2,327.06	1,805.5	+2.3	1,900	708	0	0	32	.08	.00
15	2,327.20	1,807.4	+1.9	1,703	714	0	0	32	.08	.00
16	2,327.38	1,809.8	+2.4	1,529	282	0	0	16	.04	.00
17	2,327.52	1,811.7	+1.9	1,691	690	0	0	44	.11	.00
18	2,327.59	1,812.7	+0.9	1,585	1,063	0	0	44	.11	.03
19	2,327.76	1,815.0	+2.3	1,492	289	0	0	40	.10	.00
20	2,327.90	1,816.9	+1.9	1,392	14	0	380	40	.10	.00
21	2,328.08	1,819.3	+2.4	1,510	0	0	217	60	.15	.00
22	2,328.26	1,821.8	+2.5	2,027	738	0	0	52	.13	.00
23	2,328.52	1,825.3	+3.5	2,273	467	0	0	20	.05	.48
24	2,328.76	1,828.6	+3.3	2,004	343	0	0	12	.03	.27
25	2,329.01	1,832.0	+3.4	1,925	163	0	0	44	.11	.00
26	2,329.22	1,834.9	+2.9	1,787	310	0	0	28	.07	.00
27	2,329.44	1,837.9	+3.0	1,880	310	0	0	52	.13	.00
28	2,329.71	1,841.6	+3.7	2,173	254	0	0	56	.14	.00
29	2,330.04	1,846.1	+4.5	2,628	269	0	0	81	.20	.00
30	2,330.42	1,851.3	+5.2	2,995	299	0	0	61	.15	.00
31	2,330.84	1,857.1	+5.8	3,259	273	0	0	73	.18	.00
TOTALS			+99.6	64,596	12,591	0	597	1,147	2.87	1.91
ACRE-FEET			+99,600	128,126	24,974	0	1,184	2,275		

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

(1) EVAPORATION AND PRECIPITATION RECORDS TAKEN FROM STATION AT TRINITY RIVER HATCHERY.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION
POWER	24,974	OUTLET	1,184	THIS MONTH = 1.91
SPILL	0	TOTAL	26,158	JULY 1, 2001 TO DATE = 30.55

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 5

MARCH 2002

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE 1000 ACRE-FEET IN LAKE	CHANGE	COMPUTED INFLOW C.F.S. *	FROM JUDGE FRANCIS CARR PP	CLEAR CR. NATURAL FLOW	RELEASE - C.F.S.			EVAP. C.F.S.	PRECIP INCHES	
							TO CLEAR CR (1) OUTLETS	SPILL	TO SPRING CR. PP			
		204.9										
1	1,198.28	205.0	+0.1	604	14	590	150	0	384	11	.13	.00
2	1,198.37	205.3	+0.3	564	14	550	150	0	264	16	.18	.00
3	1,198.22	204.9	-0.4	547	14	533	150	0	612	8	.09	.00
4	1,198.28	205.0	+0.2	502	14	488	150	0	261	2	.02	.00
5	1,198.34	205.2	+0.2	512	14	498	150	0	271	2	.02	.00
6	1,198.39	205.4	+0.1	590	14	576	150	0	366	0	.00	.75
7	1,198.33	205.2	-0.2	523	14	509	150	0	462	0	.00	.30
8	1,198.19	204.8	-0.4	472	14	458	150	0	530	0	.00	.12
9	1,198.28	205.0	+0.3	548	14	534	150	0	261	3	.04	.00
10	1,198.39	205.4	+0.3	566	14	552	150	0	253	0	.00	1.47
11	1,198.43	205.5	+0.1	481	14	467	150	0	272	0	.00	.07
12	1,198.45	205.5	+0.1	447	14	433	150	0	264	3	.03	.00
13	1,198.49	205.7	+0.1	473	14	459	150	0	261	3	.04	.00
14	1,198.55	205.8	+0.2	427	21	406	150	0	184	4	.05	.00
15	1,198.79	206.5	+0.7	756	375	381	150	0	243	7	.08	.00
16	1,198.73	206.4	-0.2	399	14	385	150	0	330	8	.09	.01
17	1,198.13	204.6	-1.8	593	172	421	150	0	1,326	8	.09	.00
18	1,198.31	205.1	+0.5	751	438	313	150	0	332	2	.02	.00
19	1,198.23	204.9	-0.2	296	14	282	150	0	261	3	.03	.00
20	1,198.17	204.7	-0.2	311	14	297	150	0	240	10	.11	.00
21	1,198.10	204.5	-0.2	293	14	279	150	0	236	11	.13	.00
22	1,198.47	205.6	+1.1	994	483	511	150	0	280	14	.16	.00
23	1,198.64	206.1	+0.5	708	23	685	150	0	302	4	.05	1.80
24	1,198.74	206.4	+0.3	580	14	566	150	0	278	3	.04	.40
25	1,198.81	206.6	+0.2	507	14	493	150	0	251	2	.02	.00
26	1,198.85	206.7	+0.1	468	14	454	150	0	256	3	.03	.00
27	1,198.86	206.7	+0.0	445	14	431	150	0	274	6	.07	.00
28	1,198.64	206.1	-0.6	423	14	409	150	0	587	13	.15	.00
29	1,198.47	205.6	-0.5	432	14	418	150	0	517	17	.20	.00
30	1,198.11	204.5	-1.1	413	14	399	150	0	774	24	.28	.00
31	1,197.91	203.9	-0.6	424	14	410	150	0	548	22	.25	.00
TOTALS			-1.0	16,049	1,862	14,187	4,650	0	11,680	209	2.40	4.92
ACRE-FEET			-1.0	31,833	3,693	28,140	9,223	0	23,167	415		

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

(1) WATER TO CLEAR CREEK BEING DISCHARGED THROUGH 972.00-1110.00 ELEVATION OUTLET.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	23,167	OUTLET	9,223	THIS MONTH	4.92
SPILL	0	TOTAL	32,390	JULY 1, 2001 TO DATE	56.23

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 6

MARCH 2002

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			JUDGE FRANCIS CARR POWERPLANT	EVAPORATION (2)	
		IN LAKE	CHANGE		POWER	RIVER OUTLETS (1)	SPILL		C.F.S.	INCHES
		13,882								
1	1,901.22	14,076	+194	415	80	220	0	14	3	.13
2	1,900.86	13,808	-268	182	80	220	0	14	3	.00
3	1,900.78	13,749	-59	288	80	220	0	14	4	.20
4	1,900.78	13,749	+0	316	80	220	0	14	2	.09
5	1,900.91	13,845	+96	364	80	220	0	14	2	.09
6	1,901.03	13,933	+88	349	71	220	0	14	0	.02
7	1,901.03	13,933	+0	314	80	220	0	14	0	.03
8	1,901.01	13,918	-15	306	80	220	0	14	0	.10
9	1,901.00	13,911	-7	312	80	220	0	14	2	.08
10	1,900.89	13,830	-81	274	80	220	0	14	1	.03
11	1,900.88	13,823	-7	310	80	220	0	14	0	.00
12	1,900.83	13,786	-37	296	80	220	0	14	1	.04
13	1,900.75	13,727	-59	286	80	220	0	14	2	.10
14	1,901.34	14,165	+438	544	80	220	0	21	2	.08
15	1,901.18	14,046	-119	617	80	220	0	375	2	.08
16	1,900.82	13,779	-267	179	80	220	0	14	0	.04
17	1,901.00	13,911	+132	541	80	220	0	172	2	.11
18	1,901.36	14,180	+269	876	80	220	0	438	2	.11
19	1,901.14	14,016	-164	233	80	220	0	14	2	.10
20	1,901.42	14,225	+209	421	80	220	0	14	2	.10
21	1,901.25	14,098	-127	253	80	220	0	14	3	.15
22	1,901.08	13,971	-127	719	80	220	0	483	0	.13
23	1,901.51	14,292	+321	486	80	220	0	23	1	.05
24	1,901.63	14,382	+90	360	80	220	0	14	1	.03
25	1,901.32	14,150	-232	197	80	220	0	14	0	.11
26	1,901.35	14,173	+23	328	80	220	0	14	2	.07
27	1,901.38	14,195	+22	328	80	220	0	14	3	.13
28	1,901.28	14,120	-75	279	80	220	0	14	3	.14
29	1,901.28	14,120	+0	318	80	220	0	14	4	.20
30	1,901.33	14,158	+38	336	80	220	0	14	3	.15
31	1,901.33	14,158	+0	318	80	220	0	14	4	.18
TOTALS			+276	11,345	2,471	6,820	0	1,862	56	2.87
ACRE-FEET			+276	22,503	4,901	13,527	0	3,693	111	

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

(1) OUTLET RELEASE INCLUDES THE CONTINUOUS FISH RELEASE OF 75 C.F.S.

(2) INCHES OF EVAPORATION TAKEN FROM PAN AT TRINITY RIVER HATCHERY

SUMMARY			
RELEASE (ACRE-FEET)			
TOTAL POWER	4,901	JUDGE FRANCIS CARR POWERPLANT	3,693
TOTAL RIVER	18,428	TOTAL RELEASE	22,121

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 7

MARCH 2002

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.		— SPRING CR DEBRIS DAM —			**KES COPPER MG/L
		ACRE-FEET IN LAKE	CHANGE		SPILL	OUTLET	TIME	COPPER	ZINC	
		4,152								
1	773.62	4,112	-40	16	0	36				
2	772.98	4,065	-47	16	0	40				
3	772.36	4,019	-46	17	0	40				
4	771.69	3,971	-48	16	0	40				
5	771.06	3,925	-46	17	0	40				
6	771.01	3,922	-3	20	0	22				
7	770.81	3,907	-15	13	0	21				
8	770.02	3,850	-57	11	0	40				
9	769.29	3,799	-51	14	0	40				
10	769.11	3,787	-12	34	0	40				
11	768.59	3,750	-37	21	0	40				
12	767.97	3,707	-43	20	0	42				
13	767.14	3,649	-58	16	0	45				
14	766.74	3,621	-28	16	0	30				
15	765.86	3,561	-60	15	0	45				
16	765.01	3,504	-57	16	0	45				
17	764.03	3,438	-66	12	0	45				
18	763.10	3,377	-61	14	0	45				
19	762.12	3,312	-65	12	0	45				
20	761.17	3,250	-62	14	0	45				
21	760.18	3,186	-64	13	0	45				
22	759.56	3,146	-40	25	0	45				
23	760.21	3,188	+42	66	0	45				
24	760.38	3,199	+11	51	0	45				
25	760.15	3,184	-15	35	0	43				
26	759.71	3,156	-28	26	0	40				
27	759.18	3,122	-34	23	0	40				
28	758.55	3,083	-39	20	0	40				
29	757.75	3,032	-51	14	0	40				
30	757.04	2,988	-44	18	0	40				
31	756.22	2,937	-51	14	0	40				
TOTALS			-1,215	635	0	1,249				
ACRE-FEET			-1,215	1,260	0	2,477				

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

SUMMARY

RELEASE (ACRE-FEET)	
SPILL	0
OUTLET	2,477
TOTAL	2,477

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 8

MARCH 2002

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE ACRE-FEET RES.	CHANGE	COMPUTED* INFLOW C.F.S.	SPRING CR. P. P. RELEASE	SHASTA RELEASE C.F.S	POWER	RELEASE - C.F.S. SPILL	FISHTRAP	EVAP C.F.S. (1)
		21,805								
1	583.75	21,738	-67	6,256	384	5,508	6,201	0	85	4
2	584.07	21,933	+195	6,355	264	5,891	6,169	0	85	3
3	582.82	21,176	-757	5,870	612	4,993	6,163	0	85	4
4	583.25	21,435	+259	6,382	261	5,927	6,164	0	85	2
5	583.57	21,629	+194	6,353	271	5,887	6,167	0	85	3
6	583.16	21,380	-249	6,115	366	5,481	6,156	0	85	0
7	583.15	21,374	-6	6,207	462	5,658	6,123	0	85	2
8	583.19	21,398	+24	6,237	530	5,684	6,139	0	85	1
9	583.48	21,574	+176	6,113	261	5,761	5,935	0	85	4
10	584.54	22,223	+649	6,151	253	5,734	5,739	0	85	0
11	584.78	22,371	+148	5,690	272	5,319	5,529	0	85	1
12	584.03	21,909	-462	5,376	264	5,067	5,523	0	85	1
13	583.21	21,410	-499	5,358	261	5,032	5,522	0	85	3
14	582.76	21,140	-270	5,474	184	5,137	5,525	0	85	0
15	584.07	21,933	+793	6,017	243	5,535	5,530	0	85	2
16	585.66	22,921	+988	5,909	330	5,126	5,325	0	85	1
17	583.58	21,635	-1,286	4,740	1,326	3,074	5,300	0	85	3
18	582.92	21,235	-400	5,231	332	4,727	5,348	0	85	0
19	583.91	21,835	+600	5,754	261	5,207	5,364	0	85	3
20	584.74	22,347	+512	5,508	240	4,949	5,162	0	85	3
21	584.46	22,174	-173	4,969	236	4,371	4,968	0	85	3
22	584.96	22,482	+308	4,971	280	4,174	4,729	0	85	2
23	584.96	22,482	+0	4,603	302	3,716	4,517	0	85	1
24	584.45	22,168	-314	4,239	278	3,443	4,312	0	85	0
25	584.45	22,168	+0	4,208	251	3,462	4,121	0	85	2
26	584.97	22,488	+320	4,176	256	3,456	3,928	0	85	2
27	585.00	22,507	+19	4,006	274	3,321	3,907	0	85	4
28	583.99	21,884	-623	3,734	587	2,724	3,959	0	85	4
29	583.45	21,556	-328	3,890	517	2,948	3,966	0	85	4
30	583.62	21,659	+103	4,106	774	2,909	3,964	0	85	5
31	583.69	21,702	+43	4,079	548	3,184	3,967	0	85	5
TOTALS			-103	164,077	11,680	143,405	161,422	0	2,635	72
ACRE-FEET			-103	325,447	23,167	284,444	320,181	0	5,227	143

*COMPUTED INFLOW IS SUM OF CHANGE IN STORAGE, RELEASES, AND EVAPORATION.
 (1) EVAPORATION RECORDS TAKEN FROM SHASTA PAN.

SUMMARY
 RELEASE (ACRE-FEET)

POWER	320,181
SPILL	0
FISH TRAP	5,227

MARCH 2002

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		319				
1	238.65	314	-5	0	100	7,434
2	238.65	314	+0	0	171	7,619
3	238.64	313	-1	0	188	7,824
4	238.65	314	+1	0	181	7,620
5	238.63	312	-2	0	197	7,519
6	238.64	313	+1	21	180	7,625
7	238.65	314	+1	22	91	7,831
8	238.76	326	+12	15	51	8,116
9	239.05	356	+30	18	138	8,423
10	238.84	334	-22	0	206	8,019
11	239.20	374	+40	0	110	8,318
12	239.10	362	-12	0	114	8,796
13	239.17	370	+8	0	156	8,513
14	238.85	335	-35	0	101	7,896
15	238.69	318	-17	0	222	7,497
16	238.34	283	-35	0	228	7,216
17	238.37	286	+3	0	213	7,011
18	238.33	282	-4	0	212	6,844
19	238.30	279	-3	18	195	6,691
20	238.19	267	-12	18	335	6,316
21	238.15	263	-4	36	330	6,199
22	238.04	252	-11	17	334	6,208
23	237.86	236	-16	0	386	5,866
24	238.14	262	+26	0	181	6,219
25	238.20	268	+6	0	175	6,522
26	238.27	276	+8	14	198	6,367
27	238.04	252	-24	0	364	5,872
28	237.73	225	-27	0	372	5,634
29	237.68	221	-4	34	309	5,581
30	237.59	213	-8	0	378	5,319
31	237.59	213	+0	0	363	5,286
TOTALS			-106	213	6,779	218,201
ACRE-FEET			-106	422	13,446	432,802

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	422
TEHAMA-COLUSA CANAL	13,446
TO SACTO RIVER	432,802
TOTAL	446,670

Date This Report Generated:
18 APR 2002 @ 1419

Table 10

CORPS OF ENGINEERS, U.S. ARMY
Sacramento District Sacramento, California

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

MARCH 2002

Date	Midnight Elev (ft)	Storage (ac-ft)	Storage Change (ac-ft)	Mean Inflow (sfd)	----- Mean Outflow -----				Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)
					Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)					
1	457.44	75313	612	388	53	53	0	0	52	0.29	0	89175	81700
2	457.59	75799	486	318	53	53	0	0	40	0.22	0	89662	83100
3	457.72	76221	422	279	53	53	0	0	27	0.15	0	90116	84500
4	457.84	76611	390	263	53	53	0	0	26	0.14	0	90550	85800
5	457.96	77003	392	257	53	53	0	0	13	0.07	0	91006	87200
6	458.12	77527	524	324	53	53	0	0	13	0.07	0.17	91576	88600
7	458.29	78086	559	345	53	53	0	0	20	0.11	0.11	92198	90000
8	458.44	78581	495	314	53	53	0	0	22	0.12	0	92765	91300
9	458.56	78978	397	259	54	54	0	0	9	0.05	0.34	93347	92700
10	458.73	79542	564	347	54	54	0	0	17	0.09	0	94028	94100
11	458.87	80009	467	292	51	51	0	0	11	0.06	0	94642	95500
12	459.02	80510	501	311	44	44	0	0	28	0.15	0	95277	96800
13	459.11	80812	302	204	42	42	0	0	19	0.1	0.02	95815	98200
14	459.2	81114	302	218	43	43	0	0	45	0.24	0	96200	99600
15	459.25	81282	168	138	43	43	0	0	21	0.11	0	96817	101000
16	459.45	81956	674	400	43	43	0	0	34	0.18	0	97275	102300
17	459.53	82226	270	193	43	43	0	0	28	0.15	0	97702	103700
18	459.63	82565	339	231	43	43	0	0	34	0.18	0	98146	105100
19	459.7	82803	238	178	43	43	0	0	30	0.16	0	98559	106500
20	459.82	83211	408	265	43	43	0	0	32	0.17	0	98339	107800
21	460.05	83995	784	476	66	39	27	0	29	0.15	0	98087	109200
22	460.29	84818	823	496	81	40	41	0	0	0	0.23	97980	110800
23	460.58	85818	1000	573	64	28	36	0	10	0.05	0.2	97845	112400
24	460.83	86684	866	538	87	52	35	0	29	0.15	0	97691	114000
25	461.06	87485	801	519	100	54	46	0	31	0.16	0	97512	115600
26	461.27	88220	735	486	99	44	55	0	33	0.17	0	97275	117200
27	461.45	88852	632	483	131	46	85	0	67	0.34	0	97020	118800
28	461.61	89415	563	505	176	44	132	0	89	0.45	0	96751	120300
29	461.75	89909	494	505	214.6	73	138	3.6	83	0.42	0	96530	121900
30	461.86	90298	389	490	256	102	149	5	75	0.38	0	96103	123500
31	461.92	90511	213	421	286	117	164	5	54	0.27	0	96639	125100
Totals	(sfd)			11016	2530.6	1609	908	13.6					
Totals	(ac-ft)		15810	21850	5019.4	3191.5			1021				
Totals	(inches)									5.35	1.07		

[1] South Diversion Canal, [2] Wakerman Ranch Diversion above South Diversion Canal Measuring Weir
*** Preliminary - Data Subject to Revision ***

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

MARCH 2002

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		PUMPING PLANT	EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET		C.F.S.	INCHES	
		602.4									
1	429.32	607.6	+5.2	4,334	1,571	0	0	127	0	.00	.00
2	429.70	611.0	+3.4	3,435	1,608	0	0	123	0	.00	.00
3	429.75	611.4	+0.4	2,399	2,044	0	0	131	0	.00	.00
4	429.73	611.2	-0.2	2,105	2,059	0	0	136	0	.00	.00
5	429.91	612.8	+1.6	3,076	2,143	0	0	126	0	.00	.00
6	430.85	621.3	+8.4	6,421	2,070	0	0	105	0	.00	.51
7	433.27	643.2	+22.0	12,886	1,703	0	0	112	0	.00	1.10
8	434.61	655.6	+12.3	10,186	3,851	0	0	118	0	.00	.27
9	435.09	660.0	+4.4	6,197	3,864	0	0	94	0	.00	.00
10	435.45	663.4	+3.4	5,686	3,923	0	0	74	0	.00	.51
11	435.81	666.7	+3.4	5,730	3,959	0	0	82	0	.00	.15
12	435.94	667.9	+1.2	4,506	3,810	0	0	86	0	.00	.00
13	435.96	668.1	+0.2	4,164	3,990	0	0	80	0	.00	.00
14	436.15	669.9	+1.8	4,530	3,544	0	0	90	0	.00	.00
15	436.42	672.4	+2.5	4,912	3,538	0	0	98	0	.00	.00
16	436.54	673.5	+1.1	3,817	3,154	0	0	96	0	.00	.19
17	436.59	674.0	+0.5	3,305	2,967	0	0	102	0	.00	.00
18	436.59	674.0	+0.0	3,089	2,985	0	0	104	0	.00	.03
19	436.64	674.5	+0.5	3,492	3,152	0	0	104	0	.00	.00
20	436.71	675.1	+0.7	3,569	3,128	0	0	110	0	.00	.00
21	436.80	676.0	+0.8	3,583	3,015	0	0	115	28	.09	.00
22	437.07	678.5	+2.5	4,497	3,030	0	0	116	72	.23	.00
23	437.71	684.5	+6.0	5,783	2,619	0	0	109	9	.03	.62
24	438.41	691.2	+6.6	6,761	3,307	0	0	100	9	.03	.40
25	439.03	697.1	+5.9	5,992	2,883	0	0	105	32	.10	.00
26	439.45	701.1	+4.0	4,613	2,473	0	0	113	0	.00	.00
27	439.91	705.5	+4.4	4,796	2,428	0	0	116	32	.10	.00
28	440.55	711.7	+6.2	5,918	2,596	0	0	123	93	.29	.00
29	440.99	715.9	+4.2	4,700	2,374	0	0	133	55	.17	.00
30	441.34	719.3	+3.4	4,688	2,751	0	0	142	84	.26	.00
31	441.47	720.6	+1.3	3,852	2,954	0	0	146	116	.36	.00
TOTALS			+118.1	153,022	89,493	0	0	3,416	530	1.66	3.78
ACRE-FEET			+118,100	303,519	177,509	0	0	6,776	1,051		

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	177,509	OUTLET	0	THIS MONTH =	3.78
SPILL	0	TOTAL	184,285	JULY 1, 2001 TO DATE =	19.18
PUMPING PLANT	6,776				

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 12

MARCH 2002

LAKE NATOMA DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		ACRE-FEET IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
1	122.85	7,692	+32	1,525	35	1,414	0	60	0
2	123.11	7,724	+119	1,576	33	1,423	0	60	0
3	123.06	7,819	-24	2,052	25	1,979	0	60	0
4	122.93	7,760	-59	2,046	23	1,993	0	60	0
5	123.41	7,984	+224	2,140	15	1,952	0	60	0
6	124.45	8,486	+502	2,262	15	1,934	0	60	0
7	124.11	8,316	-170	1,929	15	1,940	0	60	0
8	124.35	8,436	+120	3,935	21	3,794	0	60	0
9	123.96	8,242	-194	3,899	25	3,912	0	60	0
10	124.30	8,411	+169	4,091	27	3,919	0	60	0
11	124.40	8,461	+50	4,000	30	3,885	0	60	0
12	124.04	8,281	-180	3,878	30	3,879	0	60	0
13	123.81	8,172	-109	3,963	33	3,925	0	60	0
14	123.57	8,059	-113	3,565	35	3,527	0	60	0
15	123.40	7,979	-80	3,553	35	3,498	0	60	0
16	123.51	8,031	+52	3,146	35	3,025	0	60	0
17	123.47	8,012	-19	2,993	35	2,908	0	60	0
18	123.44	7,998	-14	2,992	37	2,902	0	60	0
19	123.68	8,111	+113	3,129	40	2,972	0	60	0
20	123.79	8,162	+51	3,104	40	2,978	0	60	0
21	123.68	8,111	-51	3,012	37	2,940	0	60	1
22	123.67	8,106	-5	3,034	32	2,942	0	60	3
23	122.71	7,661	-445	2,766	10	2,920	0	60	0
24	123.99	8,256	+595	3,266	0	2,906	0	60	0
25	123.68	8,111	-145	2,930	19	2,923	0	60	1
26	123.56	8,054	-57	2,598	33	2,534	0	60	0
27	123.66	8,101	+47	2,536	38	2,413	0	60	1
28	124.23	8,376	+275	2,659	40	2,416	0	60	4
29	124.09	8,306	-70	2,485	37	2,423	0	58	2
30	123.38	7,970	-336	2,786	40	2,852	0	60	3
31	123.23	7,899	-71	2,977	40	2,908	0	60	5
TOTALS			+207	90,827	910	87,936	0	1,858	20
ACRE-FEET			+207	180,155	1,805	174,421	0	3,685	40

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

(1) INCHES OF EVAPORATION TAKEN FROM FOLSOM PAN.

SUMMARY

	RELEASES (ACRE-FEET)			RELEASES (ACRE-FEET)	
POWER	174,421	FOLSOM SOUTH CANAL	1,805	TOTAL	179,911
SPILL	0	HATCHERY	3,685		

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 13

MARCH 2002

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE			SPILL	OUTLET	C.F.S.	INCHES		
		1,587.4									
1	1,012.51	1,588.8	+1.4	1,229	445	0	0	56	.18	.00	
2	1,012.62	1,589.9	+1.1	1,009	434	0	0	41	.13	.00	
3	1,012.74	1,591.0	+1.2	830	211	0	0	37	.12	.00	
4	1,013.00	1,593.5	+2.5	1,320	14	0	0	44	.14	.00	
5	1,012.92	1,592.8	-0.8	1,049	1,393	0	0	44	.14	.00	
6	1,013.26	1,596.1	+3.3	1,697	14	0	0	28	.09	.45	
7	1,013.89	1,602.1	+6.1	3,340	262	0	0	9	.03	1.04	
8	1,014.19	1,605.0	+2.9	2,008	518	0	0	25	.08	.52	
9	1,014.46	1,607.7	+2.6	1,355	0	0	0	35	.11	.00	
10	1,014.73	1,610.3	+2.6	1,350	14	0	0	16	.05	.04	
11	1,014.81	1,611.1	+0.8	1,459	1,049	0	0	19	.06	.14	
12	1,014.96	1,612.5	+1.5	1,198	433	0	0	31	.10	.00	
13	1,015.12	1,614.1	+1.6	1,293	481	0	0	28	.09	.00	
14	1,015.22	1,615.0	+1.0	1,184	658	0	0	35	.11	.00	
15	1,015.22	1,615.0	+0.0	1,270	1,226	0	0	44	.14	.00	
16	1,015.12	1,614.1	-1.0	899	1,371	0	0	19	.06	.21	
17	1,015.07	1,613.6	-0.5	1,080	1,307	0	0	19	.06	.05	
18	1,015.13	1,614.2	+0.6	1,378	1,075	0	0	9	.03	.15	
19	1,015.07	1,613.6	-0.6	979	1,242	0	0	31	.10	.00	
20	1,014.91	1,612.0	-1.6	1,132	1,877	0	0	38	.12	.00	
21	1,015.11	1,614.0	+1.9	1,037	0	0	0	57	.18	.00	
22	1,015.01	1,613.0	-1.0	1,540	1,974	0	0	57	.18	.00	
23	1,015.08	1,613.7	+0.7	2,028	1,624	0	0	60	.19	.38	
24	1,015.47	1,617.5	+3.8	1,937	14	0	0	9	.03	.97	
25	1,015.38	1,616.6	-0.9	1,809	2,220	0	0	31	.10	.00	
26	1,015.71	1,619.8	+3.2	1,681	30	0	0	32	.10	.00	
27	1,015.49	1,617.7	-2.1	1,294	2,329	0	0	44	.14	.00	
28	1,015.79	1,620.6	+2.9	1,536	14	0	0	50	.16	.00	
29	1,015.58	1,618.6	-2.0	1,536	2,520	0	0	47	.15	.00	
30	1,015.70	1,619.7	+1.2	1,558	912	0	0	57	.18	.00	
31	1,015.88	1,621.5	+1.8	1,639	696	0	0	60	.19	.00	
TOTALS			+34.2	44,654	26,357	0	0	1,112	3.54	3.95	
ACRE-FEET			+34,200	88,571	52,279	0	0	2,206			

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	52,279	OUTLET	0	THIS MONTH =	3.95
SPILL	0	TOTAL	52,279	JULY 1, 2001 TO DATE =	21.43

OAKDALE IRRIGATION DISTRICT
 SOUTH SAN JOAQUIN IRRIGATION DISTRICT
 TRI DAMS PROJECT-CALIFORNIA

MARCH 2002

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE ACRE-FEET RES. CHANGE		TULLOCH RELEASE	RELEASE - C.F.S.			
					RIVER		CANALS	
					OUTLET	SPILL	JOINT MAIN	SOUTH MAIN
		548						
1	360.16	548	+0	531	0	515	0	0
2	360.16	548	+0	531	0	515	0	0
3	360.16	548	+0	531	0	514	0	0
4	360.16	548	+0	526	0	511	0	0
5	360.16	548	+0	521	0	508	0	0
6	360.16	548	+0	514	0	503	0	0
7	360.16	548	+0	508	0	505	0	0
8	360.19	550	+2	465	0	504	0	0
9	360.19	550	+0	463	0	498	0	0
10	360.19	550	+0	466	0	504	0	0
11	360.19	550	+0	466	0	502	0	0
12	360.19	550	+0	479	0	506	0	0
13	360.19	550	+0	513	0	501	0	0
14	360.19	550	+0	806	0	501	271	0
15	360.16	548	-2	1,161	0	508	623	0
16	360.16	548	+0	1,277	0	502	745	0
17	360.16	548	+0	1,277	0	501	752	0
18	360.19	550	+2	1,285	0	504	756	0
19	360.19	550	+0	1,286	0	503	759	0
20	360.19	550	+0	1,280	0	500	751	0
21	360.19	550	+0	1,255	0	503	748	0
22	360.19	550	+0	1,260	0	504	747	0
23	360.19	550	+0	1,200	0	505	745	0
24	360.19	550	+0	1,215	0	500	744	0
25	360.19	550	+0	1,244	0	506	744	0
26	360.16	548	-2	1,276	0	511	744	0
27	360.19	550	+2	1,112	0	496	619	0
28	360.16	548	-2	985	0	507	486	0
29	360.16	548	+0	1,105	0	506	535	66
30	360.19	550	+2	1,167	0	500	567	100
31	360.19	550	+0	1,265	0	511	602	145
TOTALS			+2	27,970	0	15,654	11,938	311
ACRE-FEET			+2	55,478	0	31,050	23,679	617

JOINT MAIN OPERATED BY SSJID AND OID.
 SOUTH MAIN OPERATED BY OID.

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	23,679	OUTLET	0
SOUTH MAIN CANAL	617	SPILL	31,050
		TOTAL	55,346

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 15

MARCH 2002

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.				EVAPORATION C.F.S.	PRECIP INCHES
		1000 ACRE-Feet IN LAKE	CHANGE		CANALS		RIVER			
					MADERA	FRIANT-KERN	SPILL	OUTLET		
		334.3								
1	535.82	336.7	+2.5	1,917	0	523	0	116	28	.23
2	536.23	338.3	+1.6	1,426	0	500	0	118	16	.13
3	536.53	339.5	+1.2	1,220	0	500	0	120	19	.15
4	537.04	341.4	+2.0	1,679	0	560	0	120	10	.08
5	537.41	342.9	+1.4	1,458	0	602	0	120	15	.12
6	537.73	344.1	+1.2	1,333	0	569	0	120	20	.16
7	538.26	346.2	+2.1	1,685	0	520	0	120	8	.06
8	538.46	346.9	+0.8	994	0	455	0	120	26	.21
9	538.58	347.4	+0.5	755	0	381	0	120	18	.14
10	539.05	349.2	+1.8	1,410	0	349	0	120	18	.14
11	539.39	350.6	+1.3	1,207	0	410	0	120	5	.04
12	539.77	352.1	+1.5	1,357	0	478	0	120	8	.06
13	540.20	353.7	+1.7	1,494	0	527	0	103	13	.10
14	540.71	355.7	+2.0	1,658	0	549	0	91	8	.06
15	541.05	357.1	+1.3	1,357	0	549	0	105	29	.23
16	541.36	358.3	+1.2	1,310	0	549	0	130	13	.10
17	541.65	359.5	+1.1	1,270	0	549	0	130	13	.10
18	541.70	359.7	+0.2	787	0	551	0	131	5	.04
19	541.93	360.6	+0.9	1,143	0	553	0	130	1	.01
20	542.24	361.8	+1.2	1,315	0	553	0	130	10	.08
21	542.73	363.7	+2.0	1,624	0	491	0	130	19	.15
22	543.40	366.4	+2.7	1,954	0	428	0	130	45	.35
23	543.97	368.7	+2.3	1,722	0	414	0	130	26	.20
24	544.63	371.4	+2.7	1,890	0	414	0	130	4	.03
25	545.25	373.9	+2.5	1,871	0	467	0	130	9	.07
26	545.95	376.7	+2.8	2,044	0	473	0	131	7	.05
27	546.58	379.3	+2.6	1,842	0	393	0	131	20	.15
28	547.19	381.8	+2.5	1,757	0	353	0	131	13	.10
29	547.75	384.1	+2.3	1,627	0	316	0	132	17	.13
30	548.17	385.8	+1.7	1,328	0	290	0	132	32	.24
31	548.89	388.8	+3.0	2,056	0	385	0	144	24	.18
TOTALS			+54.6	46,490	0	14,651	0	3,835	499	3.89
ACRE-Feet			+54,554	92,213	0	29,060	0	7,607	990	.95

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

RELEASE (ACRE-Feet)		PRECIPITATION	
CANALS	RIVER		
FRIANT-KERN	AT FRIANT	THIS MONTH =	0.95
MADERA	TOTAL RELEASES	JULY 1, 2001 TO DATE =	10.15

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

Table 16

March 2002

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R	Yolo +	East Side	S. Joaquin River			Total	Clifton		Tracy	Contra	Byron	Total	3-day	NDOI	7-day	Monthly	Daily	3 Day	14 Day		
	Freerport	SRTTP	Misc	Streams	7-day	Monthly	Delta	Court		Tracy	Costa	Bethany	NBA	Delta							Avg	daily
-prev day-	-prev wk-	-prev day-	-prev day-	-prev day-	Average	Average	Inflow	(CLT)	(TRA)	(CCC)	(BBID)	Exports	TRA & CLT									
03/01/2002	18,730	238	0	756	1,897	1,938	1,862	21,621	950	3,992	3,993	18	0	0	8,003	7,944	12,668	17,900	12,668	36.9%	34.8%	34.3%
03/02/2002	18,064	236	0	732	1,862	1,922	1,873	20,894	1,000	3,994	3,976	23	0	0	7,993	7,981	11,901	16,363	12,285	38.1%	36.8%	34.1%
03/03/2002	17,993	234	0	692	1,883	1,912	1,882	20,802	1,000	4,191	3,966	26	0	11	8,194	8,037	11,609	14,640	12,059	39.2%	38.1%	34.0%
03/04/2002	18,472	232	0	653	1,901	1,911	1,900	21,258	1,000	4,497	4,070	17	8	12	8,588	8,231	11,670	13,479	11,962	40.3%	39.2%	34.4%
03/05/2002	18,236	231	0	628	1,952	1,910	1,910	21,047	1,050	4,199	4,174	14	8	27	8,407	8,366	11,590	12,664	11,888	39.8%	39.7%	34.7%
03/06/2002	17,805	229	0	610	1,953	1,923	1,927	20,597	1,050	4,197	4,181	4	12	31	8,402	8,440	11,145	12,038	11,764	40.6%	40.2%	34.7%
03/07/2002	17,902	227	0	832	2,012	1,955	1,955	20,973	(2,373)	4,164	4,222	13	5	32	8,427	8,379	14,920	12,215	12,215	40.0%	40.1%	34.3%
03/08/2002	19,679	225	0	2,705	2,122	1,997	1,980	24,731	(3,008)	4,160	4,204	119	0	33	8,516	8,376	19,223	13,151	13,091	33.8%	37.9%	34.2%
03/09/2002	23,792	225	0	1,909	2,153	2,036	2,000	28,079	(3,008)	4,082	4,202	124	0	33	8,441	8,345	22,646	14,686	14,152	29.5%	33.9%	34.5%
03/10/2002	26,134	225	0	1,294	2,162	2,092	2,029	29,815	(3,008)	4,088	4,188	120	0	31	8,427	8,308	24,396	16,513	15,177	27.8%	30.2%	34.8%
03/11/2002	27,477	225	0	1,410	2,293	2,155	2,062	31,405	(4,327)	4,097	4,188	126	0	34	8,444	8,281	27,288	18,744	16,278	26.4%	27.8%	34.6%
03/12/2002	27,995	225	0	1,240	2,391	2,210	2,085	31,851	(904)	4,475	4,206	138	0	38	8,857	8,414	23,898	20,502	16,913	27.3%	27.1%	34.6%
03/13/2002	28,868	225	0	1,045	2,334	2,249	2,100	32,472	(169)	4,458	4,212	117	33	36	8,790	8,545	23,851	22,317	17,447	26.6%	26.7%	34.3%
03/14/2002	27,899	225	0	962	2,286	2,254	2,104	31,372	(119)	5,023	4,202	111	51	35	9,320	8,859	22,171	23,353	17,784	29.2%	27.7%	34.6%
03/15/2002	25,862	225	0	872	2,157	2,246	2,104	29,116	(119)	4,991	4,193	117	33	34	9,301	9,026	19,935	23,455	17,927	31.4%	29.0%	34.5%
03/16/2002	23,990	225	0	835	2,102	2,235	2,103	27,152	1,300	4,999	4,179	114	25	35	9,302	9,195	16,550	22,584	17,841	33.7%	31.4%	34.6%
03/17/2002	22,781	225	0	807	2,085	2,215	2,106	25,898	1,350	5,499	4,201	112	25	31	9,819	9,354	14,729	21,203	17,658	37.4%	34.1%	34.7%
03/18/2002	21,539	225	0	798	2,152	2,197	2,114	24,714	(248)	5,191	4,181	110	18	31	9,495	9,417	15,466	19,514	17,536	37.8%	36.2%	34.7%
03/19/2002	20,862	225	0	761	2,260	2,168	2,116	24,108	(198)	5,297	4,173	104	23	37	9,588	9,514	14,718	18,203	17,388	39.2%	38.1%	34.8%
03/20/2002	19,894	225	0	711	2,137	2,144	2,116	22,967	(198)	5,296	4,181	232	18	44	9,735	9,440	13,429	16,714	17,190	41.2%	39.4%	34.3%
03/21/2002	19,068	225	0	683	2,113	2,148	2,119	22,089	(148)	5,296	4,201	297	11	57	9,841	9,481	12,395	15,317	16,962	42.9%	41.1%	34.3%
03/22/2002	18,255	225	0	667	2,187	2,157	2,121	21,334	(98)	5,298	4,211	293	12	46	9,836	9,494	11,595	14,126	16,718	44.5%	42.8%	34.7%
03/23/2002	18,048	225	0	680	2,168	2,181	2,127	21,121	(554)	1,925	4,232	294	0	47	6,498	8,388	15,177	13,930	16,651	29.2%	39.0%	31.3%
03/24/2002	18,284	225	0	1,548	2,253	2,217	2,138	22,310	(3,243)	1,889	4,230	295	10	55	6,459	7,262	19,094	14,554	16,753	27.4%	33.6%	27.6%
03/25/2002	20,526	225	0	1,842	2,404	2,232	2,147	24,997	(3,243)	1,778	4,219	298	0	63	6,357	6,091	21,882	15,470	16,958	24.0%	26.7%	23.6%
03/26/2002	23,805	225	0	1,242	2,365	2,251	2,152	27,637	(3,193)	1,293	4,214	296	7	65	5,861	5,874	24,969	16,934	17,266	19.9%	23.5%	23.0%
03/27/2002	23,687	225	0	1,034	2,267	2,251	2,151	27,213	(3,193)	1,692	4,231	255	8	68	6,237	5,809	24,168	18,469	17,522	21.7%	21.8%	23.1%
03/28/2002	21,710	225	0	1,007	2,113	2,227	2,146	25,055	(1,089)	1,691	4,201	291	18	68	6,233	5,774	19,911	19,542	17,607	23.4%	21.6%	23.3%
03/29/2002	19,810	225	0	945	2,022	2,202	2,141	23,002	1,650	1,700	4,205	304	6	68	6,270	5,907	15,082	20,040	17,520	25.6%	23.5%	24.3%
03/30/2002	18,294	225	0	912	1,992	2,160	2,135	21,423	1,650	3,199	4,198	317	12	64	7,765	6,398	12,008	19,588	17,336	34.5%	27.6%	26.8%
03/31/2002	17,692	225	0	914	1,957	2,107	2,131	20,788	1,700	4,161	4,186	327	0	64	8,738	7,216	10,350	18,339	17,111	40.2%	33.2%	30.7%
Total	663,153	7,027	0	31,726	65,935	65,805	63,836	767,841	(18,736)	120,810	129,421	5,025	342	1,229	256,143	250,146	530,434	536,549	489,624	1029.5%	1022.7%	992.5%
Average	21,392	227	0	1,023	2,127	2,123	2,059	24,769	(604)	3,897	4,175	162	11	40	8,263	8,069	17,111	17,308	17,111	33.2%	33.0%	32.0%

MARCH 2002

**CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR
DAILY OPERATIONS**

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION		PRECIP INCHES
		ACRE-FEET IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL		C.F.S.	INCHES	
		1,925,324									
1	534.95	1,926,448	+1,124	1,790	871	211	0	-142	101	.25	.00
2	535.06	1,927,821	+1,373	1,014	0	236	0	-85	85	.21	.00
3	535.05	1,927,696	-125	0	0	247	0	+184	44	.11	.00
4	534.92	1,926,073	-1,623	539	1,042	259	0	-57	57	.14	.00
5	534.85	1,925,199	-874	758	866	248	0	-85	85	.21	.00
6	535.17	1,929,194	+3,995	2,325	0	234	0	-77	77	.19	.00
7	535.56	1,934,067	+4,873	3,284	549	238	0	-41	41	.10	.05
8	535.95	1,938,944	+4,877	2,739	0	223	0	-57	65	.16	.02
9	536.18	1,941,822	+2,878	1,722	0	222	0	-49	49	.12	.00
10	536.45	1,945,202	+3,380	2,014	0	233	0	-77	77	.19	.00
11	536.77	1,949,212	+4,010	2,297	0	235	0	-41	41	.10	.01
12	537.12	1,953,600	+4,388	2,495	0	221	0	-61	61	.15	.00
13	537.85	1,962,764	+9,164	4,948	0	226	0	-102	102	.25	.00
14	538.57	1,971,817	+9,053	4,915	0	240	0	-110	110	.27	.00
15	539.07	1,978,112	+6,295	3,535	0	239	0	-122	122	.30	.00
16	539.26	1,980,506	+2,394	1,540	0	231	0	-102	102	.25	.00
17	540.16	1,991,860	+11,354	6,016	0	223	0	-69	94	.23	.06
18	540.63	1,997,798	+5,938	3,246	0	215	0	-37	37	.09	.42
19	541.16	2,004,502	+6,704	3,660	0	198	0	-82	82	.20	.00
20	541.97	2,014,762	+10,260	5,408	0	165	0	-70	70	.17	.00
21	542.63	2,023,136	+8,374	4,499	0	199	0	-78	78	.19	.00
22	542.90	2,026,565	+3,429	1,986	0	159	0	-99	99	.24	.00
23	542.90	2,026,565	+0	0	0	60	0	+60	0	.00	.13
24	542.90	2,026,565	+0	0	0	0	0	+0	95	.23	.16
25	542.90	2,026,565	+0	0	0	0	0	+0	111	.27	.00
26	542.92	2,026,819	+254	0	0	0	0	+128	62	.15	.00
27	543.01	2,027,963	+1,144	639	0	0	0	-62	62	.15	.00
28	543.01	2,027,963	+0	0	0	0	0	+0	111	.27	.00
29	543.01	2,027,963	+0	0	0	6	0	+6	144	.35	.00
30	543.01	2,027,963	+0	0	0	17	0	+17	123	.30	.00
31	543.01	2,027,963	+0	0	0	8	0	+8	99	.24	.00
TOTALS			+102,639	61,369	3,328	4,993	0	-1,302	2,486	6.08	.85
ACRE-FEET			+102,639	121,725	6,601	9,904	0	-2,583	4,931		

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	6,601	SPILL	0	THIS MONTH =	.85
PACHECO TUNNEL	9,904	TOTAL	16,505	JULY 1, 2001 TO DATE =	6.54

MARCH 2002

**CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY
DAILY OPERATIONS**

RUN DATE: April 25, 2002

DAY	ELEV	STORAGE		INFLOW - C.F.S.			RELEASE - C.F.S.			* DELIV.	GAINS(+) OR LOSS(-) C.F.S.
		ACRE-FEET IN LAKE	CHANGE	O'NEILL PUMPING	S. LUIS GEN.	CALIF. AQUEDUCT	O'NEILL GEN.	S. LUIS PUMPING	DOS AMIGOS PUMPING		
		41,605									
1	219.30	41,349	-256	1,397	871	3,712	0	1,790	4,564		+247
2	218.84	40,179	-1,170	1,490	0	4,391	0	1,014	5,299		-158
3	219.82	42,686	+2,507	1,644	0	4,012	0	0	4,421		+30
4	221.07	45,944	+3,258	1,789	1,042	4,027	0	539	4,695		+20
5	222.76	50,406	+4,462	1,958	866	3,880	0	758	3,885		+190
6	222.00	48,385	-2,021	2,246	0	3,564	0	2,325	4,238		-265
7	222.37	49,368	+983	2,119	549	4,067	0	3,284	2,852		-103
8	221.88	48,071	-1,297	2,106	0	3,842	0	2,739	3,884		+21
9	222.68	50,193	+2,122	2,208	0	4,165	0	1,722	3,752		+171
10	222.21	48,942	-1,251	2,474	0	3,946	0	2,014	4,964		-73
11	222.41	49,474	+532	2,590	0	3,511	0	2,297	3,657		+122
12	223.41	52,142	+2,668	2,470	0	4,356	0	2,495	3,045		+57
13	222.44	49,554	-2,588	2,358	0	4,397	0	4,948	2,880		-231
14	221.47	46,994	-2,560	2,331	0	4,765	0	4,915	3,574		+101
15	221.64	47,441	+447	2,362	0	4,930	0	3,535	3,742		+210
16	222.38	49,394	+1,953	2,588	0	4,721	0	1,540	4,908		+123
17	220.62	44,766	-4,628	2,792	0	5,380	0	6,016	4,834		+345
18	221.14	46,128	+1,362	2,863	0	4,804	0	3,246	3,634		-101
19	221.57	47,257	+1,129	2,932	0	4,937	0	3,660	3,325		-314
20	221.09	45,996	-1,261	3,034	0	5,005	0	5,408	3,376		+109
21	221.91	48,150	+2,154	2,925	0	5,270	0	4,499	2,838		+227
22	222.72	50,299	+2,149	2,834	0	4,705	0	1,986	4,882		+413
23	222.45	49,580	-719	2,891	0	1,155	0	0	4,370		-38
24	222.55	49,847	+267	3,035	0	1,531	0	0	4,376		-55
25	222.87	50,699	+852	3,037	0	703	0	0	3,355		+44
26	222.66	50,139	-560	2,888	0	783	0	0	4,057		+103
27	222.15	48,783	-1,356	2,834	0	1,496	0	639	4,204		-171
28	221.55	47,204	-1,579	2,805	0	1,303	0	0	4,731		-173
29	221.35	46,679	-525	2,752	0	1,485	0	0	4,534		+33
30	221.07	45,944	-735	2,765	0	2,800	0	0	5,839		-97
31	221.52	47,125	+1,181	2,797	0	4,941	0	0	7,140		+407
TOTALS			+5,520	77,314	3,328	112,584	0	61,369	129,855		+1,194
ACRE-FEET			+5,520	153,352	6,601	223,310	0	121,725	257,567	814	2,368

* DAILY DEL. FIGURES UNAVAILABLE. TOT. DEL. IS INCLUDED IN COMPUTING MONTHLY TOTALS

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	257,567		
SAN LUIS PUMP	121,725	DELIVERIES	814	TOTAL	380,106

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 19

MARCH 2002

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: April 25, 2002

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	PUMPING	GENER	GENER	PUMPING	GENERATION	GENERATION	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	7,362	0	7,362	2,770	0	2,770	0	0	3,551	3,551	2,105	-378	1,727	419	3,726	5,327	9,053
2	8,709	0	8,709	2,956	0	2,956	0	0	2,011	2,011	0	0	0	469	3,785	6,726	10,511
3	7,957	0	7,957	3,260	0	3,260	0	0	0	0	0	0	0	490	3,745	5,025	8,770
4	7,987	0	7,987	3,548	0	3,548	0	0	1,070	1,070	2,160	-94	2,066	514	3,858	5,454	9,312
5	7,695	0	7,695	3,883	0	3,883	0	0	1,504	1,504	2,146	-429	1,717	492	3,807	3,898	7,705
6	7,069	0	7,069	4,455	0	4,455	0	0	4,612	4,612	0	0	0	464	3,783	4,624	8,407
7	8,066	0	8,066	4,204	0	4,204	0	0	6,514	6,514	0	1,088	1,088	472	3,811	1,845	5,656
8	7,620	0	7,620	4,178	0	4,178	0	2,623	2,810	5,433	0	0	0	443	3,804	3,899	7,703
9	8,261	0	8,261	4,379	0	4,379	0	2,505	910	3,415	0	0	0	440	3,822	3,621	7,443
10	7,827	0	7,827	4,908	0	4,908	0	2,780	1,215	3,995	0	0	0	462	2,966	6,880	9,846
11	6,964	0	6,964	5,137	0	5,137	0	846	3,711	4,557	0	0	0	466	2,937	4,316	7,253
12	8,641	0	8,641	4,900	0	4,900	0	0	4,948	4,948	0	0	0	439	3,029	3,010	6,039
13	8,721	0	8,721	4,677	0	4,677	0	3,656	6,158	9,814	0	0	0	448	2,800	2,913	5,713
14	9,452	0	9,452	4,624	0	4,624	0	2,744	7,004	9,748	0	0	0	477	2,514	4,575	7,089
15	9,779	0	9,779	4,685	0	4,685	0	2,849	4,162	7,011	0	0	0	474	2,503	4,920	7,423
16	9,365	0	9,365	5,134	0	5,134	0	0	3,054	3,054	0	0	0	458	2,529	7,207	9,736
17	10,671	0	10,671	5,537	0	5,537	0	5,587	6,346	11,933	0	0	0	442	2,416	7,172	9,588
18	9,529	0	9,529	5,679	0	5,679	0	2,628	3,810	6,438	0	0	0	427	2,467	4,741	7,208
19	9,792	0	9,792	5,815	0	5,815	0	2,345	4,914	7,259	0	0	0	392	2,499	4,097	6,596
20	9,928	0	9,928	6,018	0	6,018	0	2,556	8,171	10,727	0	0	0	328	2,511	4,186	6,697
21	10,454	0	10,454	5,802	0	5,802	0	4,592	4,331	8,923	0	0	0	394	2,500	3,129	5,629
22	9,332	0	9,332	5,622	0	5,622	0	3,912	28	3,940	0	0	0	315	2,525	7,159	9,684
23	2,291	0	2,291	5,734	0	5,734	0	0	0	0	0	0	0	120	2,555	6,113	8,668
24	3,037	0	3,037	6,019	0	6,019	0	0	0	0	0	0	0	0	2,475	6,204	8,679
25	1,395	0	1,395	6,024	0	6,024	0	0	0	0	0	0	0	0	2,535	4,119	6,654
26	1,554	0	1,554	5,728	0	5,728	0	0	0	0	0	0	0	0	1,840	6,207	8,047
27	2,967	0	2,967	5,621	0	5,621	0	1,281	-14	1,267	0	0	0	0	1,854	6,484	8,338
28	2,584	0	2,584	5,564	0	5,564	0	0	0	0	0	0	0	0	1,822	7,562	9,384
29	2,945	0	2,945	5,458	0	5,458	0	0	0	0	0	0	0	12	1,809	7,185	8,994
30	5,554	0	5,554	5,484	0	5,484	0	0	0	0	0	0	0	33	1,812	9,769	11,581
31	9,801	0	9,801	5,548	0	5,548	0	0	0	0	0	0	0	15	1,702	12,460	14,162

AQUEDUCT CHECK 12		O'NEILL PUMPING		O'NEILL GENERATION		SAN LUIS PUMPING		SAN LUIS GENERATION		PACHECO PUMPING		DOS AMIGOS	
TOTAL	223,309	TOTAL	153,351	TOTAL	0	TOTAL	121,724	TOTAL	6,598	TOTAL	9,905	TOTAL	257,568
FEDERAL	0	FEDERAL	153,351			FEDERAL	40,904	FEDERAL	6,411			FEDERAL	86,741
STATE	223,309	STATE	0			STATE	80,820	STATE	187			STATE	170,827
												XVC	0

COMMENTS: ALL VALUES IN ACRE-FEET

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 20

MARCH 2002

FEDERAL-STATE OPERATIONS

RUN DATE: April 25, 2002

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS AMIGOS XVC	BYRON BETHANY TOTAL	AQEDUCT STATE	CHECK 21		DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL					FED	TOTAL	
1	7,921	0	7,921	7,918	7,983	0	7,983	0	0	0	6,031	0	6,031	5,151
2	7,887	0	7,887	7,922	8,977	0	8,977	0	0	0	7,241	0	7,241	4,931
3	7,867	0	7,867	8,312	8,591	0	8,591	0	0	0	6,112	0	6,112	4,607
4	8,073	0	8,073	8,920	8,583	0	8,583	0	0	15	5,627	0	5,627	4,525
5	8,280	0	8,280	8,329	8,184	0	8,184	0	0	15	4,951	0	4,951	4,397
6	8,293	0	8,293	8,325	7,786	0	7,786	0	0	23	5,657	0	5,657	3,838
7	8,374	0	8,374	8,260	8,574	0	8,574	0	0	9	3,658	0	3,658	4,170
8	8,339	0	8,339	8,252	7,929	0	7,929	0	0	0	5,147	0	5,147	4,161
9	8,335	0	8,335	8,096	8,074	0	8,074	0	0	0	6,180	0	6,180	3,956
10	8,306	0	8,306	8,108	8,324	0	8,324	0	0	0	7,271	0	7,271	3,398
11	8,307	0	8,307	8,126	8,039	0	8,039	0	0	0	4,126	0	4,126	3,170
12	8,343	0	8,343	8,876	8,941	0	8,941	0	0	0	4,138	0	4,138	3,443
13	8,354	0	8,354	8,842	9,035	0	9,035	0	0	65	4,317	0	4,317	3,677
14	8,335	0	8,335	9,963	10,078	0	10,078	0	0	101	5,091	0	5,091	3,711
15	8,316	0	8,316	9,899	9,833	0	9,833	0	0	66	5,247	0	5,247	3,631
16	8,289	0	8,289	9,915	9,994	0	9,994	0	0	50	8,267	0	8,267	3,155
17	8,333	0	8,333	10,908	10,944	0	10,944	0	0	50	5,964	0	5,964	2,796
18	8,293	0	8,293	10,296	10,174	0	10,174	0	0	36	4,796	0	4,796	2,614
19	8,277	0	8,277	10,507	10,934	0	10,934	0	0	46	5,343	0	5,343	2,462
20	8,293	0	8,293	10,505	10,448	0	10,448	0	0	36	3,909	0	3,909	2,275
21	8,333	0	8,333	10,504	10,483	0	10,483	0	0	21	4,078	0	4,078	2,531
22	8,352	0	8,352	10,508	10,118	0	10,118	0	0	24	6,515	0	6,515	2,730
23	8,395	0	8,395	3,818	2,332	0	2,332	0	0	0	7,314	0	7,314	2,661
24	8,391	0	8,391	3,746	3,306	0	3,306	0	0	20	6,433	0	6,433	2,372
25	8,369	0	8,369	3,526	2,383	0	2,383	0	0	0	6,209	0	6,209	2,345
26	8,358	0	8,358	2,565	2,465	0	2,465	0	0	13	5,833	0	5,833	2,630
27	8,392	0	8,392	3,356	3,297	0	3,297	0	0	16	6,717	0	6,717	2,771
28	8,333	0	8,333	3,354	3,081	0	3,081	0	0	36	6,973	0	6,973	2,769
29	8,340	0	8,340	3,372	3,360	0	3,360	0	0	12	6,515	0	6,515	2,882
30	8,326	0	8,326	6,345	6,537	0	6,537	0	0	24	10,967	0	10,967	2,842
31	8,303	0	8,303	8,254	10,517	0	10,517	0	0	0	12,298	0	12,298	2,755
TOTALS	256,707	0	256,707	239,627	239,304	0	239,304	0	0	678	188,925	0	188,925	103,356

COMMENTS: ALL VALUES IN ACRE-FEET

Table 21

U. S. Department of Interior - Bureau of Reclamation
Central Valley Operations Office

**Central Valley Project - California
2002**

Monthly Diversions in AF

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CANALS													
Contra Costa	13049	9404	9967										32420
Delta-Mendota	254400	199820	256707										710927
Actual Fed Dos Amigos	40075	84854	72021										196950
Madera	0	0	0										0
Friant-Kern	11328	30796	29060										71184
Corning	0	0	422										422
Folsom-South	1553	1553	1805										4911
Sly Park - Camino Conduit	1097	908	774										2779
Tehama-Colusa	0	1636	13446										15082
CACHUMA PROJECT													
Tecolete Tunnel	1872	2225	2761										6858
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0											0
Klamath Drainage District	25120	7580											32700
Clear Lake Reservoir	0	0											0
Gerber Reservoir	0	0											0
Klamath River to Lost River	0	0											0
ORLAND PROJECT													
Stony Creek	0	0	2432										2432
South Canal	0	0	1682										1682
North Canal	0	0	750										750
SOLANO PROJECT													
Putah South Canal	3319	2906	3669										9894

NA = Not Available at time of printing report.

Table 22

U. S. Department of Interior - Bureau of Reclamation
 Central Valley Operations Office

**Friant-Kern Canal
 2002**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alpaugh ID	0	0	0										0
Arvin-Edison WSD	2900	3616	133										6649
Atwell Island WD	0	0	0										0
Delano-Earlimart ID	81	2459	8577										11117
Exeter ID	22	34	53										109
City of Fresno	0	0	14										14
County of Fresno SA #34	5	3	13										21
Fresno ID	11	131	0										142
Garfield WD	0	0	7										7
Hills Valley ID	22	0	14										36
International WD	0	108	0										108
Ivanhoe ID	0	0	0										0
Kaweah Delta WCD	0	0	0										0
Kern County Water Agency	0	0	0										0
Kern-Tulare WD	162	355	1330										1847
Lewis Creek WD	0	0	0										0
Lindmore ID	0	0	227										227
City of Lindsay	122	102	142										366
Lindsay-Strathmore ID	0		373										373
Lower Tule River ID	824	396	0										1220
North-Kern WSD	0	0	0										0
City of Orange Cove	87	88	104										279
Orange Cove ID	298	38	112										448
Pixley ID	0	0	0										0
Porterville ID	0	0	670										670
Rag Gulch WD	9	196	431										636
Rosedale Rio Bravo WSD	0	0	0										0
Saucelito ID	11	259	1883										2153
Semitropic WSD	0	0	0										0
Shafter Wasco ID	1465	6869	2969										11303
Southern San Joaquin MUD	401	6254	7790										14445
Smallwood Vineyards	0	0	0										0
Stone Corral ID	70	6	68										144
Strathmore PUD	30	24	29										83
Styro Tek, Inc.	0	1	1										2
Tea Pot Dome WD	0	48	0										48
Terra Bella ID	153	76	83										312
Tri-Valley WD	0	0	0										0
Tulare ID	0	5045	0										5045
Total	6673	26108	25023	0	0	0	0	0	0	0	0	0	57804

* Data supplied by Fresno Field Division, Contracts Administration Division

Table 23

U. S. Department of Interior - Bureau of Reclamation
Central Valley Operations Office

**Madera Canal and Millerton Lake
2001**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MADERA CANAL													
Chowchilla WD	0	0	0										0
Madera ID	0	0	0										0
Soquel	0	0	0										0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
MILLERTON LAKE													
County of Madera	2	2	3										7
Fresno County # 18	5	5	7										17
Gravelly Ford WD	0	0	584										584
Total	7	7	594	0	0	0	0	0	0	0	0	0	608

* Data supplied by Fresno Field Division, Contracts Administration Division

Table 25

U. S. Department of Interior - Bureau of Reclamation
Central Valley Operations Office

Monthly Deliveries in AF

**Delta-Mendota Canal
2002**

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	699										699
Broadview WD	428	1829	919										3176
CCID (Abv CK 13)	61	641	1389										2091
CCID (Blw CK 13)	309	1100	7885										9294
Centinella WD	0	0	0										0
China Island (76.05)	0	0	513										513
Del Puerto WD	56	1910	3106										5072
DWR Intertie @MP7.70-R	0	0	0										0
Eagle Field WD	0	548	0										548
Firebaugh Canal	192	2050	1701										3943
Frietas Unit (76.05L)	0	0	720										720
Mercy Springs WD	1	123	63										187
Oro Loma WD	0	113	30										143
Panoche WD - Ag	51	341	344										736
Panoche WD - M&I	2	3	2										7
Patterson WD	0	0	55										55
Plainview WD	0	13	30										43
Salt Slough Unit (76.05L)	0	0	515										515
San Luis WD - Ag	355	1098	543										1996
San Luis WD - M&I	1	1	5										7
Tracy, City of	0	0	407										407
West Side ID	6	0	0										6
Widren	0	0	0										0
W. Stanislaus ID	0	984	2366										3350
F&G - Los Banos Ref. 76.05L	0	0	1090										1090
Volta Wildlife Mgmt Area	0	113	0										113
Grasslands -76.05L	4820	7408	0										12228
Grasslands - Volta	402	427	0										829
F&S (Volta) Santa Fee Kest.	0	0	0										0
F&S - Kesterson 76.05L	0	0	0										0
Total DMC Deliveries	6684	18702	22382	0	0	0	0	0	0	0	0	0	47768
Oneill Pumped	225493	93737	153351										472581
DMC plus Oneill	232177	112439	175733	0	0	0	0	0	0	0	0	0	520349

* Data supplied by San Luis Delta-Mendota Water Authority

Table 26

U. S. Department of Interior - Bureau of Reclamation
Central Valley Operations Office

**San Luis and Cross Valley Canals
2002**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SAN LUIS CANAL													
City of Avenal	212	141	174										527
Broadview WD	1	1	0										2
City of Coalinga	280	241	234										755
City of Dos Palos	66	65	84										215
City of Huron	43	46	47										136
Pacheco WD	328	708	994										2030
Panoche WD	2602	4828	3684										11114
San Luis WD	1066	5700	5801										12567
Westlands WD (Federal)	35134	74079	63941										173154
Phase I (Non-chargeable)	0	8	0										8
Fish & Game (Lateral 4)	1	1	1										3
Fish & Game (Lateral 6)	51	0	0										51
Total	39784	85818	74960	0	0	0	0	0	0	0	0	0	200562
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	76	63	84										223
San Luis WD Ag	117	620	698										1435
San Luis M&I	28	22	32										82
VA Cemetary	2	2	3										7
Total	223	707	817	0	0	0	0	0	0	0	0	0	1747
CROSS VALLEY CANAL													
Arvin Edison WSD	0	0	0										0
Kern-Tulare	0	0	0										0
Pixley ID	0	0	0										0
Rag Gulch	0	0	0										0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FELIPE DIVISION													
Santa Clara	8720	9306	9620										27646
San Benito	323	1360	285										1968
Total	9043	10666	9905	0	0	0	0	0	0	0	0	0	29614

* Data supplied by Fresno Field Division, Contracts Administration Division for San Luis Canal and Cross Valley Canal.
Tracy Field Division, Water Division for O'Neill Forebay.

Table 28

U. S. Department of Interior - Bureau of Reclamation
 Central Valley Operations Office

Monthly Deliveries in AF

**Sacramento River
 2002**

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A&F Boeger & Thunder Farms	0	0	0										0
Anderson Cottonwood ID	0	0	0										0
Andreotti, Arthur, et al	0	0	0										0
Baber, Jack	0	0	0										0
A&R Farms (Odysseus)	0	0	0										0
Windswept Land & Livestock	0	0	0										0
Cannel, Fred	0	0	0										0
Carter, Jane	0	0	0										0
Colusa Prop. Inc	0	0	0										0
Conaway Construction Group	0	0	0										0
Davis, Olive P.	0	0	0										0
Deseret Farms of Calif	0	0	0										0
Dommer, Elizabeth	0	0	0										0
Odysseus Farms	0	0	0										0
Forry, David G.	0	0	0										0
Furlan Area #1	0	0	0										0
Furlan Area #2	0	0	0										0
Glenn-Colusa ID	0	0	0										0
Griffin, J.	0	0	0										0
Henle, John R.	0	0	0										0
Hershey Land Co	0	0	0										0
Hiatt, Glenn	0	0	0										0
Hollins, Mariette	0	0	0										0
Howald Farms	0	0	0										0
King, Barbara	0	0	0										0
Knaggs, Layton	0	0	0										0
Lockett, WilliamP.	0	0	0										0
M&T Inc.	0	0	0										0
MCM Properties, Inc	0	0	0										0
Maxwell ID	0	0	0										0
Meridan Farms WC	0	0	0										0
Natomas Central MWC	0	0	0										0
O'Brien, Janice	0	0	0										0
Oji Bros. Farms Inc	0	0	0										0
Oji, Mitsue Family PTN	0	0	0										0
Pelger Mutual WC	0	0	0										0
Pleasant-Grove-Verona	0	0	0										0
Loma Cold Storage (Premier)	0	0	0										0
Princeton,-Codora	0	0	0										0
Provident Irrigation	0	0	0										0
Reclamation Dist #108	0	0	0										0
Reclamation Dist #1004	0	0	0										0
Reynen, et al	0	0	0										0
River Garden Farms	0	0	0										0
Roberts Ditch Irrigation Co	0	0	0										0
Sartain Mutual WC	0	0	0										0
Siddiqui, J & A	0	0	0										0
Spence, Ruth	0	0	0										0
Sutter Mutual	0	0	0										0
Swinford Tract Irrigation Co	0	0	0										0
Tarke, James	0	0	0										0
Tisdale Irrigation & Drain	0	0	0										0
Wallace Construction	0	0	0										0
Wells, Joyce	0	0	0										0
Wilson Ranch	0	0	0										0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

* Data supplied by Willows Field Division, Water and Land Division (long-form contracts only)

U. S. Department of the Interior - Bureau of Reclamation
Central Valley Operations Office

**Sacramento-San Joaquin Valley - Streamflow Data
2002**

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sacramento River												
Shasta computed inflow	14181	9254	9551									
At Keswick	6960	4148	5292									
At Bend Bridge	15587	8270	8142									
At Vina Bridge	19635	8871	8917									
At Ord Ferry	22050	7441	7746									
At Colusa	20772	10171	10148									
Below Wilkins Slough	18180	10576	10620									
At Verona	34138	14345	15958									
Sacramento at "I" Street	36687	15849	18823									
Miscellaneous Stations												
Folsom computed inflow	3901	3822	4936									
American R at Nimbus Dam	1460	1503	2897									
Kings River at Pine Flat	95	602	1017									
San Joaquin River												
At Friant Dam	93	95	124									
Near Vernalis	2920	2191	2411									
Putah Creek												
Berryessa computed inflow	2096	358	348									
Putah Creek - Lake Solano	45	16	34									
Stanislaus River												
New Melones computed inflow	1062	779	1440									
At Tulloch Dam	319	499	902									
At Orange Blossom	247	319	338									

* Data supplied by Central Valley Operations Coordinations Office
Daily mean is derived from 7 am daily reading.