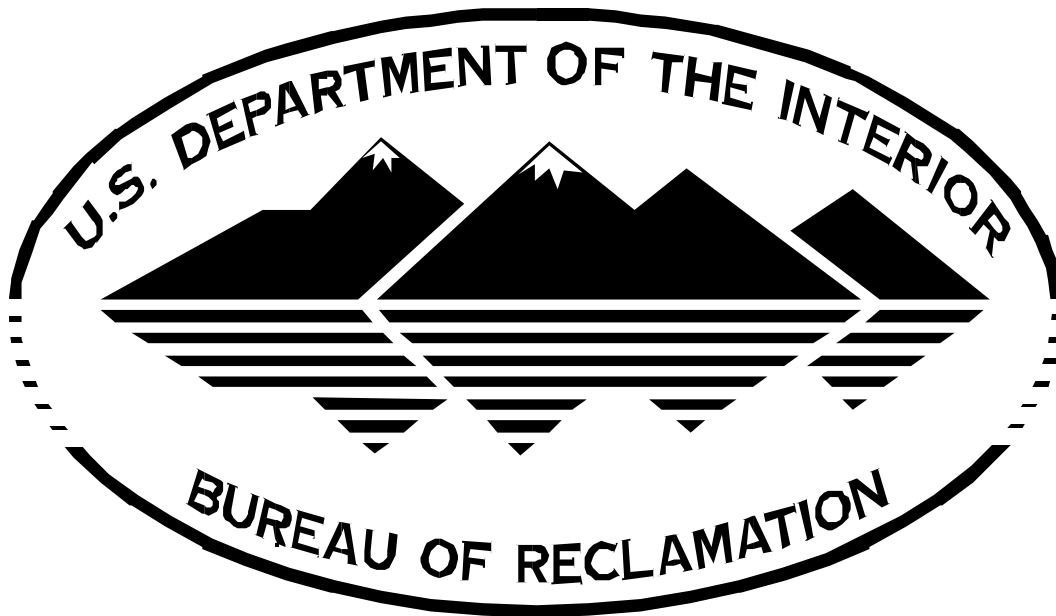


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



April 2002

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SUMMARY OF APRIL 2002 OPERATIONS

Sacramento had an average monthly temperature of 61.3 °F which was .4 °F below normal. The average temperature at Shasta Dam was 60.4 °F which was 2.5 °F below normal and Huntington Lake was 2.7 °F below normal with an average temperature of 37.6 °F.

Trinity System: Storage in Trinity Lake increased 192,300 acre-feet this month to 2,049,400 acre-feet, which is 84 percent of capacity and 109 percent of the 15 year average for this date. The total inflow for the month was 259,557 acre-feet. The Trinity River release ranged between 300 to 2,800 ft³/s. Whiskeytown Lake was operated between elevations 1197.60 feet and 1209.60 feet with an end-of-month storage of 239,800 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 35,162 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 160,600 acre-feet for an end-of-month storage of 4,296,700 acre-feet, which is 94 percent of capacity and 116 percent of the 15 year average. The total inflow for the month was 468,142 acre-feet. The release to the Sacramento River at Keswick ranged between 4,000 and 8,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 38,700 acre-feet and had an end-of-month storage of 759,100 acre-feet, which is 78 percent of capacity and 111 percent of the 15 year average for this date. The total inflow for the month was 272,138 acre-feet. The release to the American River at Nimbus ranged between 3,000 and 3,500 ft³/s during the month.

New Melones: Storage in New Melones decreased 32,800 acre-feet for an end-of-month storage of 1,588,900 acre-feet or 66 percent of capacity and 120 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 500 to 1,500 ft³/s for the month. The total inflow for the month was 107,373 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on April 30, 2002, was 871,000 acre-feet compared to the storage a year ago of 926,000 acre-feet.

Friant: Storage in Millerton Lake increased 80,826 acre-feet to 469,600 acre-feet. The total monthly inflow was 143,808 acre-feet. The release to the San Joaquin River at Friant varied between 147 and 183 ft³/s.

CVP Totals: The total diversions to CVP canals were 216,992 acre-feet. The April 30, 2002, storage in the 18 CVP reservoirs was 9,565,000 acre-feet compared to storage 1 year ago of 9,453,000 acre-feet.

Power: Gross power production for the CVP totaled 344,669,400 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	04/30/02	04/30/01	WATERSHED	RESERVOIR	TOTAL CAPACITY	04/30/02	04/30/01
KLAMATH	CLEAR LAKE *	526,800	188,850	251,220	AMERICAN	FOLSOM LAKE *CVP	1,010,300	759,130	667,540
	GERBER *	94,300	56,030	59,520		LAKE NATOMA *CVP	9,030	8,420	7,700
	UPR KLAMATH LK *	873,300	465,120	469,770	COSUMNES	JENKINSON LK *CVP	41,000	41,150	39,590
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	2,049,390	1,963,230	MOKELUMNE	CAMANCHE	431,500	295,890	270,260
	LEWISTON LAKE*CVP	14,660	14,150	13,940		PARDEE	210,000	174,200	193,690
	WHISKEYTOWN *CVP	241,100	239,820	235,860	SALT SPRINGS	140,000	54,300	42,370	
MCCLLOUD	MCCLLOUD DIV. RES	35,230	24,610	26,960	CALAVERAS	NEW HOGAN	317,100	180,230	183,890
PIT	IRON CANYON	24,240	9,800	12,980	AMERICAN	NEW MELONES*CVP	2,420,000	1,588,920	1,876,370
	LAKE BRITTON	40,620	33,610	39,310		BEARDSLEY	97,800	55,130	43,210
	PIT NO. 6	15,890	14,630	13,810		STANISLAUS	DONNELLS	64,320	21,090
	PIT NO. 7	34,610	32,120	31,860	TULLOCH	67,000	62,050	61,390	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	4,296,720	4,020,070	AMERICAN	LAKE ELEANOR	26,100	21,960	17,260
	SPRING CREEK *CVP	5,900	2,350	5,150		LAKE LLOYD	268,000	223,890	183,180
	KESWICK *CVP	23,800	23,080	22,170		TUOLUMNE	HETCH-HETCHY	360,400	179,710
	RED BLUFF DIV *CVP	3,920	280	320	NEW DON PEDRO	2,030,000	1,538,170	1,673,470	
FEATHER	OROVILLE	3,538,000	2,659,100	2,188,360	TURLOCK LAKE	49,000	31,650	34,120	
	THERMALITO DIV RES	13,500	12,990	NA	MERCED	EXCHEQUER	1,024,600	528,350	687,000
	THERMALITO FORE.	14,400	10,890	35,180	CHOWCHILLA	BUCHANAN	150,000	33,830	77,600
	THERMALITO AFTER.	57,000	27,500	23,720	CRANE VALLEY	45,400	40,850	39,820	
STONY CREEK	LAKE ALMANOR	1,143,000	839,110	767,770	LAKE T.A. EDISON	125,000	51,660	47,950	
	EAST PARK *	50,900	45,810	48,390	FLORENCE LAKE	64,600	11,050	2,950	
	STONY GORGE *	50,000	40,180	50,200	SAN JOAQUIN	MAMMOTH POOL	122,700	39,950	34,220
PUTAH CREEK	BLACK BUTTE *CVP	143,700	86,090	112,170	HUNTINGTON LAKE	89,800	79,040	68,240	
	LAKE BERRYESSA *	1,602,300	1,489,380	1,472,380	REDINGER LAKE	35,000	24,490	24,230	
	LAKE SOLANO *	720	670	660	SHAVER LAKE	135,400	97,050	106,940	
YUBA	BULLARDS BAR	930,000	811,940	762,770	MILLERTON LK *CVP	520,500	469,650	450,480	
	SO. YUBA SYSTEM	146,000	92,710	82,730	FRESNO	HIDDEN	90,000	34,130	37,830
	NARROWS	70,000	64,510	65,470	SAN LUIS **CVP	2,040,600	1,844,190	1,910,990	
BEAR	ROLLINS	65,990	65,990	65,970	O'NEILL FORE.**CVP	56,400	50,460	49,790	
LITTLE TRUCKEE	STAMPEDE *	226,620	144,500	188,940	SAN LUIS	L BANOS RES**CVP	34,560	20,530	20,420
	BOCA *	41,140	31,300	12,180	LT PANOCHE **CVP	5,580	NA	830	
PROSSER	PROSSER CREEK *	29,840	14,000	10,420	OIL CANYON	CONTRA LOMA *CVP	2,100	2,090	1,920
TRUCKEE	LAKE TAHOE *	732,000	208,900	406,300	KINGS	WISHON	128,300	42,760	39,640
	RYE PATCH *	190,000	26,500	NR	PINE FLAT	1,001,500	549,900	637,180	
HUMBOLDT					KAWEAH	TERMINUS	143,000	100,040	98,660
CARSON	LAHONTAN *	317,280	196,400	NR	TULE	SUCCESS	82,300	42,050	42,470
	TWIN LAKES	21,580	18,760	10,810	KERN	ISABELLA	588,100	139,320	166,080
	FRENCH MEADOWS	136,400	87,370	78,220	CUYAMA	TWITCHHELL *	240,100	NA	5,160
AMERICAN	HELL HOLE	207,590	118,490	90,500	SANTA YNEZ	LAKE CACHUMA *	190,500	160,950	194,360
	LOON LAKE	76,500	41,640	38,760	COYOTE	LAKE CASITAS *	254,000	216,150	242,250
	ICE HOUSE	46,000	32,380	24,980	TOTAL - 85 RESERVOIRS		33,790,020	24,681,560	24,332,810
	UNION VALLEY	277,300	235,730	97,030	TOTAL - 36 RESERVOIRS		18,992,650	14,781,160	14,810,290
	SLAB CREEK	16,600	13,780	15,120	TOTAL - 18 RESERVOIRS		13,572,850	11,496,420	11,398,540

** - 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

APRIL 2002

SHASTA LAKE DAILY OPERATIONS

RUN DATE: May 15, 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			
		4,136.2								
1	1,052.81	4,141.5	+5.3	6,532	3,566	0	0	281	.34	.00
2	1,053.07	4,148.8	+7.3	7,382	3,463	0	0	240	.29	.00
3	1,053.35	4,156.7	+7.9	7,622	3,449	0	0	198	.24	.00
4	1,053.76	4,168.2	+11.5	9,349	3,404	0	0	124	.15	.00
5	1,054.18	4,180.1	+11.9	9,373	3,332	0	0	66	.08	.00
6	1,054.59	4,191.7	+11.6	9,117	3,252	0	0	17	.02	.02
7	1,055.01	4,203.5	+11.9	9,538	3,422	0	0	125	.15	.00
8	1,055.30	4,211.8	+8.2	7,724	3,417	0	0	150	.18	.00
9	1,055.66	4,222.0	+10.2	8,611	3,326	0	0	125	.15	.00
10	1,056.00	4,231.7	+9.7	8,309	3,436	0	0	0	.00	.48
11	1,056.34	4,241.4	+9.7	8,494	3,515	0	0	84	.10	.00
12	1,056.76	4,253.4	+12.0	9,660	3,505	0	0	109	.13	.00
13	1,057.11	4,263.4	+10.0	8,739	3,549	0	0	143	.17	.00
14	1,057.52	4,275.2	+11.8	9,945	3,837	0	0	177	.21	.00
15	1,057.70	4,280.3	+5.2	7,777	4,869	0	0	304	.36	.00
16	1,057.94	4,287.2	+6.9	8,311	4,603	0	0	236	.28	.00
17	1,058.11	4,292.1	+4.9	7,639	5,172	0	0	0	.00	.40
18	1,058.27	4,296.7	+4.6	7,373	5,023	0	0	25	.03	.08
19	1,058.38	4,299.9	+3.2	7,512	5,744	0	0	169	.20	.00
20	1,058.46	4,302.2	+2.3	6,600	5,234	0	0	203	.24	.00
21	1,058.66	4,308.0	+5.8	8,476	5,443	0	0	127	.15	.00
22	1,058.67	4,308.2	+0.3	6,626	6,244	0	0	237	.28	.00
23	1,058.68	4,308.5	+0.3	7,042	6,660	0	0	237	.28	.00
24	1,058.69	4,308.8	+0.3	7,031	6,632	0	0	254	.30	.00
25	1,058.63	4,307.1	-1.7	7,083	7,726	0	0	229	.27	.00
26	1,058.61	4,306.5	-0.6	6,906	7,019	0	0	178	.21	.00
27	1,058.52	4,303.9	-2.6	6,393	7,557	0	0	144	.17	.02
28	1,058.42	4,301.0	-2.9	6,814	8,174	0	0	93	.11	.25
29	1,058.31	4,297.9	-3.2	6,192	7,715	0	0	76	.09	.00
30	1,058.27	4,296.7	-1.2	7,823	8,319	0	0	85	.10	.55
TOTALS			+160.6	235,993	150,607	0	0	4,436	5.28	1.80
ACRE-FEET			+160,600	468,092	298,729	0	0	8,799		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION
POWER	298,729	OUTLET	0	THIS MONTH = 1.80
SPILL	0	TOTAL	298,729	JULY 1, 2001 TO DATE = 57.38

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

Table 4

APRIL 2002

TRINITY LAKE DAILY OPERATIONS

RUN DATE: May 15, 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)	
		1,857.1								
1	2,331.34	1,864.0	+6.9	3,841	293	0	0	69	.17	.00
2	2,331.93	1,872.2	+8.2	4,493	283	0	0	98	.24	.00
3	2,332.62	1,881.8	+9.6	5,233	315	0	0	86	.21	.00
4	2,333.42	1,892.9	+11.1	6,066	379	0	0	66	.16	.00
5	2,334.27	1,904.8	+11.9	6,422	334	0	0	91	.22	.00
6	2,334.98	1,914.8	+10.0	5,415	341	0	0	46	.11	.00
7	2,335.62	1,923.8	+9.0	4,825	183	0	0	87	.21	.00
8	2,336.25	1,932.7	+8.9	4,754	189	0	0	71	.17	.00
9	2,336.98	1,943.1	+10.4	5,459	168	0	0	67	.16	.00
10	2,337.70	1,953.4	+10.3	5,524	341	0	0	4	.01	.16
11	2,338.35	1,962.7	+9.3	5,023	254	0	0	80	.19	.03
12	2,338.99	1,971.8	+9.2	4,980	280	0	0	72	.17	.00
13	2,339.64	1,981.2	+9.4	5,797	1,015	0	0	59	.14	.00
14	2,340.54	1,994.2	+13.0	7,826	1,181	0	0	85	.20	.00
15	2,341.24	2,004.4	+10.2	6,906	1,672	0	0	115	.27	.00
16	2,341.67	2,010.6	+6.3	4,657	1,440	0	0	64	.15	.00
17	2,341.95	2,014.7	+4.1	3,485	1,428	0	0	4	.01	.40
18	2,342.22	2,018.6	+3.9	3,097	1,064	0	0	47	.11	.00
19	2,342.44	2,021.8	+3.2	2,762	1,066	0	0	77	.18	.00
20	2,342.64	2,024.8	+2.9	2,724	1,152	0	0	99	.23	.00
21	2,342.82	2,027.4	+2.6	2,654	1,252	0	0	77	.18	.00
22	2,343.06	2,030.9	+3.5	2,854	999	0	0	86	.20	.00
23	2,343.38	2,035.6	+4.7	3,256	800	0	0	91	.21	.00
24	2,343.56	2,038.2	+2.6	3,463	2,051	0	0	82	.19	.00
25	2,343.78	2,041.5	+3.2	3,775	2,011	0	0	138	.32	.00
26	2,344.00	2,044.7	+3.2	3,721	1,957	0	0	138	.32	.00
27	2,344.17	2,047.2	+2.5	3,277	1,925	0	0	91	.21	.00
28	2,344.26	2,048.5	+1.3	3,000	2,284	0	0	48	.11	.00
29	2,344.30	2,049.1	+0.6	2,784	2,405	0	0	82	.19	.00
30	2,344.32	2,049.4	+0.3	2,810	2,649	0	0	13	.03	.67
TOTALS			+192.3	130,883	31,711	0	0	2,233	5.27	1.26
ACRE-FEET			+192,300	259,606	62,899	0	0	4,429		

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

POWER	62,899	OUTLET	0	PRECIPITATION	
SPILL	0	TOTAL	62,899	THIS MONTH =	1.26
				JULY 1, 2001 TO DATE =	31.81

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

Table 5

APRIL 2002

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: May 15, 2002

DAY	ELEV	STORAGE 1000 ACRE-FEET IN LAKE	STORAGE CHANGE	COMPUTED INFLOW C.F.S. *	FROM JUDGE FRANCIS CARR PP	CLEAR CR. NATURAL FLOW	RELEASE - C.F.S. — TO CLEAR CR — (1) OUTLETS	SPILL	TO SPRING CR. PP	EVAP. C.F.S. INCHES	PRECIP INCHES	
		203.9										
1	1,197.91	203.9	+0.0	423	14	409	150	0	253	20	.23	.00
2	1,197.91	203.9	+0.0	414	14	400	150	0	243	21	.24	.00
3	1,197.92	204.0	+0.0	432	14	418	150	0	257	10	.12	.00
4	1,197.92	204.0	+0.0	438	14	424	150	0	273	15	.17	.00
5	1,197.93	204.0	+0.0	419	14	405	150	0	248	6	.07	.01
6	1,197.90	203.9	-0.1	369	14	355	150	0	255	8	.09	.01
7	1,197.83	203.7	-0.2	341	14	327	150	0	284	10	.12	.00
8	1,197.77	203.5	-0.2	321	14	307	150	0	250	9	.11	.00
9	1,197.76	203.5	+0.0	390	14	376	150	0	250	5	.06	.00
10	1,197.71	203.4	-0.1	336	14	322	150	0	260	0	.00	.24
11	1,197.68	203.3	-0.1	325	14	311	150	0	219	0	.00	.05
12	1,197.60	203.0	-0.2	278	14	264	150	0	245	0	.00	.00
13	1,197.91	203.9	+0.9	866	501	365	150	0	249	11	.13	.00
14	1,198.44	205.5	+1.6	1,223	891	332	150	0	275	12	.14	.00
15	1,199.28	208.0	+2.5	1,502	1,229	273	150	0	89	12	.14	.00
16	1,200.08	210.4	+2.4	1,361	1,019	342	150	0	0	12	.14	.00
17	1,200.84	212.6	+2.3	1,297	1,008	289	150	0	0	0	.00	.40
18	1,201.26	213.9	+1.3	787	514	273	150	0	0	0	.00	.02
19	1,201.78	215.5	+1.6	941	688	253	150	0	0	0	.00	.00
20	1,202.35	217.2	+1.7	1,022	802	220	150	0	0	1	.01	.00
21	1,202.99	219.1	+1.9	1,144	892	252	150	0	0	13	.14	.00
22	1,203.43	220.5	+1.3	842	614	228	150	0	0	13	.14	.00
23	1,203.71	221.4	+0.9	601	335	266	150	0	0	18	.20	.00
24	1,204.68	224.3	+3.0	1,674	1,459	215	150	0	0	19	.21	.00
25	1,205.65	227.3	+3.0	1,680	1,468	212	150	0	0	14	.15	.00
26	1,206.58	230.2	+2.9	1,631	1,444	187	150	0	0	17	.18	.00
27	1,207.46	233.0	+2.8	1,559	1,414	145	150	0	0	14	.15	.00
28	1,208.36	235.9	+2.8	1,586	1,423	163	150	0	0	0	.00	.19
29	1,209.22	238.6	+2.7	1,530	1,365	165	150	0	0	0	.00	.02
30	1,209.60	239.8	+1.2	764	493	271	150	0	0	0	.00	.46
TOTALS			+35.9	26,496	17,727	8,769	4,500	0	3,650	260	2.94	1.40
ACRE-FEET			+35.9	52,555	35,162	17,393	8,926	0	7,240	516		

* 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	7,240	OUTLET	8,926	THIS MONTH	1.40
SPILL	0	TOTAL	16,166	JULY 1, 2001 TO DATE	57.63

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

Table 6

APRIL 2002

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: May 15, 2002

DAY	ELEV	STORAGE ACRE-FEET		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
		14,158								
1	1,901.31	14,143	-15	310	80	220	0	14	4	.17
2	1,901.20	14,061	-82	278	80	220	0	14	5	.24
3	1,901.15	14,023	-38	300	80	220	0	14	5	.21
4	1,901.26	14,105	+82	359	80	220	0	14	4	.16
5	1,901.39	14,203	+98	368	80	220	0	14	5	.22
6	1,901.62	14,375	+172	403	80	220	0	14	2	.11
7	1,901.49	14,278	-97	270	80	220	0	14	5	.21
8	1,901.36	14,180	-98	269	80	220	0	14	4	.17
9	1,901.20	14,061	-119	258	80	220	0	14	4	.16
10	1,901.39	14,203	+142	386	80	220	0	14	0	.01
11	1,901.42	14,225	+22	329	80	220	0	14	4	.19
12	1,901.43	14,233	+8	322	80	220	0	14	4	.17
13	1,901.65	14,397	+164	887	80	220	0	501	3	.14
14	1,901.19	14,053	-344	1,022	80	220	0	891	4	.20
15	1,900.90	13,837	-216	1,426	80	220	0	1,229	6	.27
16	1,900.94	13,867	+30	1,337	80	220	0	1,019	3	.15
17	1,901.06	13,956	+89	1,353	80	220	0	1,008	0	.01
18	1,901.46	14,255	+299	967	80	220	0	514	2	.11
19	1,901.41	14,218	-37	973	80	220	0	688	4	.18
20	1,901.26	14,105	-113	1,050	80	220	0	802	5	.23
21	1,900.98	13,896	-209	1,091	80	220	0	892	4	.18
22	1,900.96	13,882	-14	911	80	220	0	614	4	.20
23	1,901.19	14,053	+171	726	80	220	0	335	5	.21
24	1,901.14	14,016	-37	1,724	80	200	0	1,459	4	.19
25	1,901.11	13,993	-23	1,762	80	220	0	1,468	6	.32
26	1,901.14	14,016	+23	1,763	80	220	0	1,444	7	.32
27	1,901.23	14,083	+67	1,753	80	220	0	1,414	5	.21
28	1,901.59	14,352	+269	1,994	80	220	133	1,423	2	.11
29	1,901.43	14,233	-119	2,305	80	220	696	1,365	4	.19
30	1,901.32	14,150	-83	2,502	80	220	1,750	493	1	.03
TOTALS			-8	29,398	2,400	6,580	2,579	17,727	115	5.27
ACRE-FEET			-8	58,311	4,760	13,051	5,115	35,162	228	

* 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	4,760	JUDGE FRANCIS CARR POWERPLANT	35,162
TOTAL RIVER	22,926	TOTAL RELEASE	58,088

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

Table 7

APRIL 2002

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: May 15, 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	
		2,937							
1	755.39	2,886	-51	14	0	40			
2	754.54	2,834	-52	14	0	40			
3	753.62	2,778	-56	12	0	40			
4	752.71	2,724	-54	13	0	40			
5	751.74	2,667	-57	11	0	40			
6	750.76	2,609	-58	11	0	40			
7	749.79	2,553	-56	12	0	40			
8	748.77	2,494	-59	10	0	40			
9	747.76	2,437	-57	11	0	40			
10	746.72	2,380	-57	11	0	40			
11	745.74	2,326	-54	9	0	36			
12	744.64	2,267	-59	10	0	40			
13	743.52	2,208	-59	10	0	40			
14	742.25	2,143	-65	7	0	40			
15	742.14	2,137	-6	7	0	10			
16	742.52	2,157	+20	10	0	0			
17	742.76	2,169	+12	6	0	0			
18	743.10	2,186	+17	9	0	0			
19	743.39	2,201	+15	8	0	0			
20	743.68	2,216	+15	8	0	0			
21	743.98	2,232	+16	8	0	0			
22	744.21	2,244	+12	6	0	0			
23	744.50	2,260	+16	8	0	0			
24	744.69	2,270	+10	5	0	0			
25	744.92	2,282	+12	6	0	0			
26	745.15	2,294	+12	6	0	0			
27	745.38	2,307	+13	7	0	0			
28	745.61	2,319	+12	6	0	0			
29	745.80	2,329	+10	5	0	0			
30	746.23	2,353	+24	12	0	0			
TOTALS			-584	272	0	566			
ACRE-FEET			-584	540	0	1,123			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	0
OUTLET	1,123
TOTAL	1,123

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

Table 8

APRIL 2002

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: May 15, 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)
		21,702								
1	584.25	22,044	+342	4,224	253	3,566	3,961	0	85	6
2	584.03	21,909	-135	3,993	243	3,463	3,971	0	85	5
3	583.83	21,787	-122	4,010	257	3,449	3,983	0	85	4
4	583.55	21,617	-170	3,969	273	3,404	3,967	0	85	3
5	583.39	21,520	-97	4,003	248	3,332	3,966	0	85	1
6	583.17	21,386	-134	3,987	255	3,252	3,970	0	85	0
7	583.47	21,568	+182	4,146	284	3,422	3,966	0	85	3
8	583.74	21,732	+164	4,119	250	3,417	3,948	0	85	3
9	583.64	21,671	-61	3,996	250	3,326	3,939	0	85	3
10	584.37	22,118	+447	4,240	260	3,436	3,930	0	85	0
11	584.49	22,192	+74	4,036	219	3,515	3,912	0	85	2
12	585.03	22,526	+334	4,182	245	3,505	3,927	0	85	2
13	584.46	22,174	-352	4,314	249	3,549	4,403	0	85	3
14	583.62	21,659	-515	4,773	275	3,837	4,944	0	85	4
15	583.80	21,769	+110	5,606	89	4,869	5,460	0	85	6
16	583.04	21,307	-462	5,298	0	4,603	5,441	0	85	5
17	583.28	21,453	+146	5,592	0	5,172	5,433	0	85	0
18	583.24	21,429	-24	5,511	0	5,023	5,437	0	85	1
19	584.24	22,038	+609	6,347	0	5,744	5,951	0	85	4
20	583.71	21,714	-324	5,870	0	5,234	5,944	0	85	4
21	583.20	21,404	-310	5,879	0	5,443	5,947	0	85	3
22	583.58	21,635	+231	6,579	0	6,244	6,373	0	85	5
23	582.89	21,217	-418	6,817	0	6,660	6,938	0	85	5
24	582.15	20,776	-441	6,804	0	6,632	6,936	0	85	5
25	583.31	21,471	+695	7,861	0	7,726	7,421	0	85	5
26	582.77	21,146	-325	7,365	0	7,019	7,440	0	85	4
27	582.20	20,805	-341	7,825	0	7,557	7,909	0	85	3
28	583.58	21,635	+830	8,454	0	8,174	7,949	0	85	2
29	583.89	21,823	+188	8,106	0	7,715	7,924	0	85	2
30	585.92	23,085	+1,262	8,661	0	8,319	7,938	0	85	2
TOTALS			+1,383	166,567	3,650	150,607	163,228	0	2,550	95
ACRE-FEET			+1,383	330,386	7,240	298,729	323,763	0	5,058	188

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

SUMMARY
RELEASE (ACRE-FEET)

POWER	323,763
SPILL	0
FISH TRAP	5,058

APRIL 2002

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: May 15, 2002

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		213				
1	237.61	215	+2	0	285	5,245
2	237.59	213	-2	18	337	5,192
3	237.58	212	-1	28	338	5,046
4	237.35	193	-19	45	317	5,009
5	237.55	210	+17	26	275	5,166
6	237.56	211	+1	27	344	5,174
7	237.54	209	-2	22	324	5,176
8	237.56	211	+2	26	320	5,109
9	237.54	209	-2	33	317	4,996
10	237.50	206	-3	30	314	4,824
11	237.59	213	+7	25	335	5,462
12	237.61	215	+2	15	340	5,190
13	237.56	211	-4	21	334	4,992
14	237.50	206	-5	42	319	4,896
15	237.54	209	+3	36	297	5,206
16	237.63	217	+8	26	332	5,587
17	237.64	217	+0	29	308	5,744
18	237.82	233	+16	18	351	6,895
19	237.90	240	+7	33	333	6,951
20	237.91	240	+0	23	327	6,974
21	237.93	242	+2	28	322	7,129
22	237.92	241	-1	26	300	7,106
23	237.92	241	+0	28	336	7,098
24	238.04	252	+11	53	320	8,215
25	238.10	258	+6	45	269	8,334
26	238.19	267	+9	42	302	8,322
27	238.24	272	+5	54	309	9,216
28	238.26	275	+3	27	342	9,220
29	238.25	274	-1	33	334	9,225
30	238.27	276	+2	21	346	9,349
TOTALS			+63	880	9,627	192,048
ACRE-FEET			+63	1,745	19,095	380,927

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	1,745
TEHAMA-COLUSA CANAL	19,095
TO SACTO RIVER	380,927
TOTAL	401,767

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

APRIL 2002

Date	Midnight	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)
	Elev (ft)				Total	River	[1]	[2]					
1	461.84	90227	-284	225	328	128	195	5	79	0.4	0	96958	126700
2	461.69	89697	-530	196	425	191	229	5	75	0.38	0	97141	128300
3	461.54	89168	-529	187	434	213	216	5	39	0.2	0	97529	129900
4	461.36	88535	-633	199	505	316	184	5	26	0.13	0	97880	131500
5	461.16	87835	-700	188	532	364	163	5	18	0.09	0	98215	133100
6	460.97	87171	-664	205	518	367	146	5	43	0.22	0	98530	134700
7	460.78	86511	-660	170	481	351	127	3	43	0.22	0	98460	136200
8	460.77	86476	-35	435	431	342	86	3	43	0.22	0	97931	136200
9	460.87	86823	347	479	300	215	85	0	8	0.04	0.13	97648	136200
10	461.02	87346	523	500	226	103	123	0	21	0.11	0	97353	136200
11	461.15	87800	454	500	252	99	153	0	37	0.19	0	97046	136200
12	461.28	88255	455	523	266	95	171	0	55	0.28	0	96740	136200
13	461.38	88606	351	498	294	101	193	0	53	0.27	0	96423	136200
14	461.43	88781	175	485	347	163	184	0	98	0.5	0	96069	136200
15	461.46	88887	106	477	402	193	206	3	43	0.22	0	95795	136200
16	461.46	88887	0	441	431	211	217	3	20	0.1	0.03	95481	136200
17	461.4	88676	-211	457	555	353	199	3	16	0.08	0.06	95143	136200
18	461.29	88290	-386	401	568	387	178	3	55	0.28	0	94744	136200
19	461.19	87940	-350	419	560	393	164	3	71	0.36	0	94224	136200
20	461.09	87590	-350	392	544	399	142	3	49	0.25	0	93792	136200
21	461.01	87311	-279	399	517	397	117	3	45	0.23	0	93302	136200
22	460.94	87067	-244	432	533	399	131	3	43	0.22	0	92815	136200
23	460.82	86650	-417	425	589	450	136	3	91	0.47	0	92331	136200
24	460.66	86095	-555	409	664	519	142	3	50	0.26	0	91825	136200
25	460.54	85680	-415	513	700	549	148	3	44	0.23	0	90860	136200
26	460.54	85680	0	736	722	558	161	3	27	0.14	0	89895	136200
27	460.51	85576	-104	728	775	577	195	3	10	0.05	0.02	88706	136200
28	460.47	85438	-138	652	707	511	193	3	29	0.15	0	87410	136200
29	460.54	85680	242	696	564	379	182	3	19	0.1	0	88600	136200
30	460.66	86095	415	764	542	349	190	3	25	0.13	0	85325	136200
Totals	(sfd)			13131	14712	9672	4956	84					
Totals	(ac-ft)		-4416	26045	29181.3	19184.4			1275				
Totals	(inches)									6.52	0.24		

[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

APRIL 2002

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: May 15, 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	
		720.6									
1	441.80	723.8	+3.2	4,797	2,921	0	0	147	116	.36	.00
2	442.22	727.8	+4.1	5,508	3,229	0	0	154	65	.20	.00
3	442.86	734.1	+6.2	6,381	3,005	0	0	153	75	.23	.00
4	443.43	739.7	+5.6	6,338	3,320	0	0	141	59	.18	.00
5	444.17	747.0	+7.3	7,173	3,317	0	0	131	56	.17	.00
6	444.44	749.6	+2.7	4,892	3,364	0	0	152	30	.09	.00
7	444.60	751.2	+1.6	4,580	3,495	0	0	163	125	.38	.00
8	444.87	753.9	+2.7	5,330	3,748	0	0	165	72	.22	.00
9	445.26	757.7	+3.9	6,134	3,965	0	0	125	92	.28	.00
10	445.46	759.7	+2.0	5,211	4,065	0	0	133	10	.03	.00
11	445.72	762.3	+2.6	5,594	4,086	0	0	155	50	.15	.00
12	445.79	763.0	+0.7	4,554	3,987	0	0	160	56	.17	.00
13	445.91	764.2	+1.2	4,754	3,848	0	0	176	129	.39	.00
14	446.01	765.2	+1.0	5,051	4,048	0	0	190	311	.94	.00
15	446.44	769.5	+4.3	6,416	4,091	0	0	155	0	.00	.02
16	446.72	772.3	+2.8	5,491	3,938	0	0	140	0	.00	.00
17	446.71	772.2	-0.1	4,134	4,044	0	0	140	0	.00	.00
18	446.64	771.5	-0.7	3,778	3,996	0	0	135	0	.00	.40
19	446.51	770.2	-1.3	3,491	4,003	0	0	144	0	.00	.00
20	446.25	767.6	-2.6	2,909	3,976	0	0	162	83	.25	.00
21	445.90	764.1	-3.5	2,552	4,084	0	0	175	56	.17	.00
22	445.60	761.1	-3.0	2,763	4,013	0	0	188	66	.20	.00
23	445.69	762.0	+0.9	4,293	3,590	0	0	196	56	.17	.00
24	445.77	762.8	+0.8	4,117	3,452	0	0	198	66	.20	.00
25	445.79	763.0	+0.2	3,916	3,560	0	0	190	66	.20	.00
26	445.75	762.6	-0.4	3,674	3,608	0	0	181	86	.26	.00
27	445.75	762.6	+0.0	3,685	3,519	0	0	166	0	.00	.00
28	445.64	761.5	-1.1	3,306	3,642	0	0	180	36	.11	.00
29	445.43	759.4	-2.1	2,806	3,637	0	0	163	59	.18	.02
30	445.40	759.1	-0.3	3,573	3,543	0	0	154	26	.08	.02
TOTALS			+38.7	137,201	111,094	0	0	4,812	1,846	5.61	.46
ACRE-FEET			+38,700	272,138	220,355	0	0	9,545	3,662		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	220,355	OUTLET	0	THIS MONTH =	.46
SPILL	0	TOTAL	229,900	JULY 1, 2001 TO DATE =	19.64
PUMPING PLANT	9,545				

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

Table 12

APRIL 2002

LAKE NATOMA DAILY OPERATIONS

RUN DATE: May 15, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
		7,899							
1	122.71	7,661	-238	2,930	40	2,945	0	60	5
2	123.58	8,064	+403	3,167	40	2,861	0	60	3
3	123.53	8,040	-24	2,984	40	2,893	0	60	3
4	123.45	8,003	-37	3,224	39	3,143	0	59	2
5	123.42	7,988	-15	3,329	40	3,235	0	60	2
6	123.15	7,862	-126	3,283	40	3,246	0	60	1
7	122.92	7,755	-107	3,285	40	3,234	0	60	5
8	124.22	8,371	+616	3,642	38	3,230	0	60	3
9	124.20	8,361	-10	3,941	35	3,847	0	60	4
10	124.26	8,391	+30	4,037	35	3,927	0	60	0
11	124.42	8,471	+80	4,022	34	3,887	0	59	2
12	124.30	8,411	-60	3,998	35	3,931	0	60	2
13	123.80	8,167	-244	3,906	35	3,929	0	60	5
14	123.71	8,125	-42	4,023	40	3,932	0	60	12
15	123.90	8,214	+89	4,075	35	3,935	0	60	0
16	123.93	8,228	+14	4,034	35	3,932	0	60	0
17	124.12	8,321	+93	4,077	35	3,935	0	60	0
18	124.19	8,356	+35	4,062	38	3,946	0	60	0
19	124.15	8,336	-20	4,036	40	3,946	0	60	0
20	123.98	8,252	-84	3,995	40	3,934	0	60	3
21	124.23	8,376	+124	4,100	40	3,935	0	60	2
22	124.22	8,371	-5	4,045	40	3,945	0	60	3
23	124.16	8,341	-30	3,632	40	3,545	0	60	2
24	123.87	8,200	-141	3,478	40	3,446	0	60	3
25	123.74	8,139	-61	3,526	40	3,454	0	60	3
26	123.72	8,129	-10	3,542	40	3,444	0	60	3
27	123.69	8,115	-14	3,530	40	3,437	0	60	0
28	124.04	8,281	+166	3,626	40	3,441	0	60	1
29	124.23	8,376	+95	3,598	40	3,448	0	60	2
30	124.32	8,421	+45	3,561	40	3,437	0	60	1
TOTALS			+522	110,688	1,154	107,400	0	1,798	72
ACRE-FEET			+522	219,550	2,289	213,028	0	3,566	143

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	213,028	FOLSOM SOUTH CANAL	2,289	TOTAL	218,883
SPILL	0	HATCHERY	3,566		

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

Table 13

APRIL 2002

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: May 15, 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		
		1,621.5									
1	1,015.99	1,622.5	+1.1	1,947	1,353	0	0	54	.17	.00	
2	1,015.98	1,622.4	-0.1	1,852	1,819	0	0	82	.26	.00	
3	1,016.05	1,623.1	+0.7	2,000	1,590	0	0	66	.21	.00	
4	1,016.05	1,623.1	+0.0	2,177	2,123	0	0	54	.17	.00	
5	1,016.09	1,623.5	+0.4	2,308	2,067	0	0	44	.14	.00	
6	1,016.05	1,623.1	-0.4	1,934	2,106	0	0	25	.08	.00	
7	1,016.05	1,623.1	+0.0	1,883	1,842	0	0	41	.13	.00	
8	1,016.06	1,623.2	+0.1	2,125	2,019	0	0	57	.18	.00	
9	1,016.30	1,625.6	+2.3	3,143	1,895	0	0	66	.21	.00	
10	1,016.30	1,625.6	+0.0	1,822	1,803	0	0	19	.06	.00	
11	1,016.09	1,623.5	-2.1	985	2,001	0	0	19	.06	.00	
12	1,016.09	1,623.5	+0.0	2,161	2,114	0	0	47	.15	.00	
13	1,015.93	1,622.0	-1.6	2,314	3,024	0	0	76	.24	.00	
14	1,015.74	1,620.1	-1.9	1,996	2,872	0	0	57	.18	.00	
15	1,015.65	1,619.2	-0.9	2,223	2,577	0	0	88	.28	.00	
16	1,015.51	1,617.9	-1.4	1,883	2,513	0	0	57	.18	.00	
17	1,015.34	1,616.2	-1.7	1,872	2,665	0	0	41	.13	.25	
18	1,015.03	1,613.2	-3.0	1,346	2,827	0	0	41	.13	.05	
19	1,014.71	1,610.1	-3.1	1,366	2,903	0	0	28	.09	.12	
20	1,014.39	1,607.0	-3.1	1,442	2,929	0	0	78	.25	.00	
21	1,014.02	1,603.4	-3.6	1,194	2,943	0	0	60	.19	.00	
22	1,013.76	1,600.9	-2.5	1,624	2,819	0	0	72	.23	.00	
23	1,013.44	1,597.8	-3.1	1,519	3,012	0	0	66	.21	.00	
24	1,013.26	1,596.1	-1.7	1,497	2,302	0	0	72	.23	.00	
25	1,013.14	1,594.9	-1.2	1,735	2,238	0	0	81	.26	.00	
26	1,012.94	1,593.0	-1.9	1,660	2,590	0	0	44	.14	.00	
27	1,012.85	1,592.1	-0.9	1,626	2,063	0	0	0	.00	.05	
28	1,012.68	1,590.5	-1.6	1,259	2,068	0	0	16	.05	.00	
29	1,012.62	1,589.9	-0.6	1,692	1,961	0	0	22	.07	.05	
30	1,012.52	1,588.9	-1.0	1,548	2,012	0	0	22	.07	.45	
TOTALS			-32.8	54,133	69,050	0	0	1,495	4.75	.97	
ACRE-FEET			-32,800	107,373	136,961	0	0	2,965			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	136,961	OUTLET	0
SPILL	0	TOTAL	136,961
		THIS MONTH =	.97
		JULY 1, 2001 TO DATE =	22.40

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

APRIL 2002

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET RES.	CHANGE		RELEASE	OUTLET	SPILL	JOINT MAIN
		550						
1	360.19	550	+0	1,339	0	509	642	178
2	360.19	550	+0	1,575	0	508	804	222
3	360.19	550	+0	1,739	0	499	917	282
4	360.19	550	+0	1,782	0	498	934	333
5	360.22	552	+2	1,719	0	560	944	344
6	360.22	552	+0	1,852	0	590	945	343
7	360.25	555	+3	1,694	0	592	938	319
8	360.25	555	+0	1,813	0	601	927	311
9	360.25	555	+0	1,814	0	611	928	336
10	360.25	555	+0	1,828	0	644	921	347
11	360.25	555	+0	1,812	0	641	895	348
12	360.69	585	+30	1,986	0	774	893	335
13	360.71	587	+2	2,706	0	1,480	896	310
14	360.71	587	+0	2,605	0	1,480	875	284
15	360.71	587	+0	2,603	0	1,480	879	275
16	360.71	587	+0	2,647	0	1,480	895	276
17	360.74	589	+2	2,736	0	1,490	918	297
18	360.71	587	-2	2,770	0	1,480	926	329
19	360.77	591	+4	2,783	0	1,480	917	337
20	360.71	587	-4	2,815	0	1,480	927	343
21	360.71	587	+0	2,808	0	1,480	939	333
22	360.74	589	+2	2,800	0	1,480	942	334
23	360.74	589	+0	2,839	0	1,480	813	342
24	360.49	571	-18	2,262	0	1,070	755	347
25	360.52	573	+2	2,156	0	990	757	331
26	360.49	571	-2	2,110	0	991	764	289
27	360.44	568	-3	2,020	0	943	765	270
28	360.44	568	+0	2,008	0	942	767	269
29	360.44	568	+0	2,007	0	940	773	260
30	360.38	564	-4	1,880	0	844	774	250
TOTALS			+14	65,508	0	30,037	25,970	9,174
ACRE-FEET			+14	129,935	0	59,578	51,511	18,197

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	51,511	OUTLET	0
SOUTH MAIN CANAL	18,197	SPILL	59,578
		TOTAL	129,286

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

Table 15

APRIL 2002

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: May 15, 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			
		388.8									
1	549.77	392.5	+3.7	2,612	0	594	0	156	13	.10	
2	550.63	396.1	+3.6	2,688	0	702	0	156	18	.13	
3	551.41	399.4	+3.3	2,592	0	757	0	156	29	.21	
4	552.10	402.3	+2.9	2,438	0	797	0	157	18	.13	
5	552.92	405.7	+3.5	2,684	0	742	0	155	36	.26	
6	553.74	409.2	+3.5	2,628	0	702	0	154	10	.07	
7	554.56	412.7	+3.5	2,637	0	702	0	154	11	.08	
8	555.28	415.8	+3.1	2,450	0	703	0	154	32	.23	
9	556.00	418.9	+3.1	2,512	0	756	0	155	34	.24	
10	556.40	420.7	+1.7	1,876	0	824	0	155	21	.15	
11	556.84	422.6	+1.9	1,994	0	846	0	155	30	.21	
12	557.81	426.8	+4.2	3,100	0	793	0	155	16	.11	
13	558.03	427.8	+1.0	1,424	0	749	0	155	34	.24	
14	558.57	430.2	+2.4	2,188	0	806	0	155	30	.21	
15	558.92	431.7	+1.5	1,934	0	965	0	155	38	.27	
16	559.36	433.7	+1.9	2,243	0	1,083	0	150	29	.20	
17	559.77	435.5	+1.8	2,192	0	1,106	0	147	24	.17	
18	560.28	437.7	+2.3	2,362	0	1,047	0	148	27	.19	
19	560.86	440.3	+2.6	2,368	0	899	0	148	22	.15	
20	561.48	443.1	+2.8	2,253	0	689	0	148	20	.14	
21	562.03	445.5	+2.5	2,120	0	703	0	148	29	.20	
22	562.85	449.2	+3.7	2,908	0	866	0	148	35	.24	
23	563.21	450.8	+1.6	2,066	0	1,071	0	148	28	.19	
24	563.31	451.3	+0.5	1,712	121	1,156	0	168	39	.27	
25	563.59	452.6	+1.3	2,286	305	1,127	0	180	35	.24	
26	564.27	455.7	+3.1	2,850	240	842	0	181	32	.22	
27	564.88	458.4	+2.8	2,463	232	608	0	181	41	.28	
28	565.68	462.1	+3.7	2,874	281	543	0	183	22	.15	
29	566.54	466.0	+4.0	3,054	328	543	0	183	7	.05	
30	567.32	469.6	+3.6	2,994	400	575	0	183	19	.13	
TOTALS			+80.8	72,502	1,907	24,296	0	4,771	779	5.46	.38
ACRE-FEET			+80,826	143,808	3,783	48,191	0	9,463	1,545		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS	RIVER	PRECIPITATION	
FRIANT-KERN	AT FRIANT	THIS MONTH =	0.38
MADERA	TOTAL RELEASES	JULY 1, 2001 TO DATE =	10.53

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

Table 16

Delta Outflow Computation (values in c.f.s.)

April 2002

Estimated numbers are in bold italic print

Date	DELTA INFLOW									DELTA EXPORTS								OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freepor	S RTP	Yolo + Misc	ast Sid Streams	S. Joaquin River@Vern			Total Delta	NDCU	Clifton Court	Tracy	Contra Costa	Byron Bethany	NBA	Total Delta	3-day Avg	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)	
	prev day	prev wk	prev day	prev day	prev day	7-day Average	Monthly Average	Inflow		(CLT)	(TRA)	(CCC)	(BBID)	Exports	RA & CLT								
04/01/2002	17,442	225	0	923	2,036	2,054	1,989	20,626	1,750	3,799	4,213	336	23	69	8,393	7,919	10,483	16,710	10,483	38.7%	37.7%	34.1%	
04/02/2002	16,998	222	0	937	1,989	1,988	1,899	20,146	1,750	3,392	4,244	343	47	71	8,004	7,998	10,392	14,628	10,437	37.7%	38.9%	34.8%	
04/03/2002	16,487	218	0	956	1,809	1,930	1,835	19,470	1,750	3,700	4,248	294	26	64	8,279	7,865	9,441	12,524	10,105	40.7%	39.0%	34.6%	
04/04/2002	16,537	215	0	962	1,708	1,878	1,790	19,422	1,800	3,692	4,240	324	37	59	8,279	7,839	9,342	11,014	9,915	40.7%	39.6%	34.7%	
04/05/2002	16,999	211	16	993	1,655	1,833	1,767	19,874	1,800	4,379	3,157	326	32	62	7,892	7,805	10,182	10,314	9,968	37.8%	39.7%	34.8%	
04/06/2002	16,623	208	66	1,002	1,674	1,798	1,759	19,573	1,800	4,957	2,758	318	35	53	8,051	7,728	9,721	9,988	9,927	39.2%	39.2%	34.6%	
04/07/2002	16,065	204	67	943	1,717	1,768	1,768	18,996	1,800	4,538	2,681	309	0	55	7,584	7,490	9,613	9,882	9,882	38.0%	38.3%	33.9%	
04/08/2002	16,124	201	47	894	1,826	1,761	1,790	19,092	1,850	4,289	3,040	332	124	57	7,595	7,421	9,647	9,763	9,853	37.7%	38.3%	34.1%	
04/09/2002	15,728	201	41	862	1,939	1,763	1,793	18,771	1,850	3,690	3,408	317	67	50	7,399	7,215	9,522	9,639	9,816	37.5%	37.7%	34.1%	
04/10/2002	16,309	201	44	861	1,823	1,778	1,795	19,238	1,850	3,496	3,400	293	42	51	7,197	7,108	10,191	9,746	9,854	35.6%	36.9%	34.5%	
04/11/2002	16,544	201	57	913	1,809	1,793	1,792	19,524	1,850	3,600	3,394	329	85	50	7,287	6,996	10,387	9,895	9,902	35.4%	36.1%	34.7%	
04/12/2002	16,186	201	57	941	1,761	1,805	1,789	19,146	1,850	3,499	3,392	331	57	51	7,216	6,927	10,080	9,880	9,917	35.7%	35.6%	34.8%	
04/13/2002	16,203	201	59	968	1,761	1,818	1,791	19,192	1,900	3,194	3,402	337	50	50	6,933	6,827	10,359	9,971	9,951	34.1%	35.1%	34.6%	
04/14/2002	16,063	201	131	984	1,806	1,875	1,822	19,185	1,900	3,392	3,433	323	25	57	7,181	6,771	10,104	10,041	9,962	35.4%	35.1%	34.6%	
04/15/2002	14,938	201	138	986	2,227	2,008	1,892	18,490	1,900	497	1,657	340	78	68	2,484	5,192	14,106	10,678	10,238	11.2%	27.1%	26.6%	
04/16/2002	15,631	201	182	1,013	2,869	2,173	1,959	19,896	1,900	593	997	315	20	69	1,953	3,523	16,043	11,610	10,601	7.9%	18.1%	18.1%	
04/17/2002	15,149	201	287	974	2,975	2,343	2,021	19,586	1,672	584	995	146	65	68	1,728	1,774	16,186	12,466	10,929	7.7%	8.9%	8.9%	
04/18/2002	14,794	201	380	969	3,003	2,540	2,083	19,347	1,444	477	931	121	55	65	1,539	1,526	16,365	13,320	11,231	7.0%	7.5%	7.7%	
04/19/2002	15,309	201	332	915	3,142	2,746	2,142	19,899	1,444	594	941	134	41	60	1,689	1,508	16,766	14,276	11,523	7.5%	7.4%	7.5%	
04/20/2002	14,717	201	290	824	3,200	2,961	2,200	19,232	1,444	638	888	160	40	57	1,703	1,490	16,085	15,094	11,751	7.7%	7.4%	7.5%	
04/21/2002	13,871	201	256	787	3,311	3,125	2,256	18,426	1,444	650	890	158	41	54	1,711	1,534	15,271	15,832	11,919	8.1%	7.8%	7.8%	
04/22/2002	13,641	201	190	754	3,373	3,205	2,309	18,159	1,672	648	880	161	72	60	1,677	1,531	14,810	15,932	12,050	8.0%	8.0%	7.7%	
04/23/2002	13,203	201	231	729	3,430	3,244	2,350	17,794	1,900	642	877	158	63	76	1,689	1,529	14,205	15,670	12,144	8.2%	8.1%	7.7%	
04/24/2002	12,402	201	343	728	3,252	3,275	2,386	16,926	1,950	647	890	175	71	81	1,722	1,528	13,254	15,251	12,190	8.7%	8.3%	7.7%	
04/25/2002	10,948	201	355	738	3,215	3,298	2,423	15,457	1,950	635	877	168	68	72	1,684	1,523	11,823	14,602	12,175	9.3%	8.7%	7.8%	
04/26/2002	11,137	201	373	737	3,308	3,328	2,461	15,756	1,950	641	880	162	43	58	1,698	1,523	12,108	13,937	12,173	9.4%	9.1%	8.0%	
04/27/2002	11,027	201	446	749	3,408	3,349	2,498	15,831	1,950	642	881	153	50	47	1,672	1,519	12,209	13,383	12,174	9.3%	9.3%	8.1%	
04/28/2002	10,946	201	480	759	3,454	3,366	2,534	15,840	2,000	648	875	149	50	40	1,662	1,523	12,178	12,941	12,174	9.3%	9.3%	8.2%	
04/29/2002	11,405	201	511	765	3,496	3,392	2,571	16,378	2,000	648	883	150	84	37	1,635	1,526	12,743	12,646	12,194	8.8%	9.1%	8.2%	
04/30/2002	11,207	201	518	741	3,609	3,437	2,604	16,276	2,000	614	877	144	62	35	1,608	1,515	12,668	12,426	12,210	8.8%	9.0%	8.3%	
Total	440,633	6,126	5,897	26,307	76,585	73,632	62,068	555,548	54,118	63,418	64,229	7,305	1,554	1,746	135,144	134,174	366,286	374,058	327,646	661.2%	690.6%	638.7%	
Average	14,688	204	197	877	2,553	2,454	2,069	18,518	1,804	2,114	2,141	243	52	58	4,505	4,472	12,210	12,469		22.0%	23.0%	21.3%	

APRIL 2002

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

RUN DATE: May 22, 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	
		2,027,963									
1	542.99	2,027,708	-255	0	0	162	0	+34	132	.32	.00
2	542.95	2,027,200	-508	0	0	156	0	-100	144	.35	.00
3	542.91	2,026,692	-508	0	0	165	0	-91	140	.34	.00
4	542.88	2,026,311	-381	244	0	131	0	-305	123	.30	.00
5	542.97	2,027,454	+1,143	855	0	162	0	-116	99	.24	.00
6	542.84	2,025,803	-1,651	0	884	178	0	+230	99	.24	.00
7	542.81	2,025,422	-381	0	0	178	0	-14	123	.30	.00
8	542.77	2,024,914	-508	0	0	186	0	-70	119	.29	.00
9	542.72	2,024,279	-635	0	0	210	0	-110	74	.18	.00
10	542.70	2,024,025	-254	0	0	182	0	+54	62	.15	.00
11	542.66	2,023,517	-508	0	0	254	0	-3	115	.28	.00
12	542.63	2,023,136	-381	0	0	191	0	-1	156	.38	.00
13	542.59	2,022,628	-508	0	0	240	0	-16	144	.35	.00
14	542.54	2,021,993	-635	0	0	213	0	-107	177	.43	.00
15	541.98	2,014,889	-7,104	0	3,253	205	0	-124	176	.43	.00
16	541.58	2,009,820	-5,069	0	3,415	141	0	+1,000	90	.22	.00
17	540.98	2,002,224	-7,596	0	3,445	216	0	-168	123	.30	.00
18	540.11	1,991,229	-10,995	0	5,444	205	0	+106	122	.30	.00
19	538.90	1,975,971	-15,258	0	7,568	228	0	+104	122	.30	.00
20	537.88	1,963,141	-12,830	0	6,259	264	0	+54	151	.37	.00
21	537.06	1,952,847	-10,294	0	4,964	272	0	+46	130	.32	.00
22	535.96	1,939,069	-13,778	0	6,904	267	0	+225	134	.33	.00
23	534.85	1,925,200	-13,869	0	6,618	287	0	-87	133	.33	.00
24	534.16	1,916,595	-8,605	0	3,900	309	0	-130	177	.44	.00
25	533.25	1,905,269	-11,326	0	5,401	306	0	-4	153	.38	.00
26	532.33	1,893,841	-11,428	0	5,564	307	0	+110	128	.32	.06
27	531.24	1,880,333	-13,508	0	6,480	315	0	-16	72	.18	.03
28	530.48	1,870,934	-9,399	0	4,714	317	0	+292	112	.28	.00
29	529.52	1,859,085	-11,849	0	5,803	310	0	+140	140	.35	.00
30	528.31	1,844,188	-14,897	0	7,303	439	0	+231	48	.12	.08
TOTALS			-183,775	1,099	87,919	6,996	0	+1,164	3,718	9.12	.17
ACRE-FEET			-183,775	2,180	174,387	13,877	0	+2,309	7,375		

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	174,387	TOTAL	0
PACHECO TUNNEL	13,877	THIS MONTH =	.17
		JULY 1, 2001 TO DATE =	6.71

APRIL 2002

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

RUN DATE: May 22, 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		
		47,125									
1	221.59	47,309	+184	2,822	0	3,495	0	0	5,978		-246
2	220.65	44,844	-2,465	2,820	0	3,026	0	0	6,892		-197
3	220.15	43,541	-1,303	2,818	0	3,200	0	0	6,658		-17
4	220.40	44,192	+651	2,856	0	3,115	0	244	5,318		-81
5	219.40	41,605	-2,587	2,037	0	3,751	0	855	6,100		-138
6	219.80	42,635	+1,030	1,412	884	4,289	0	0	6,090		+24
7	219.04	40,686	-1,949	1,471	0	3,745	0	0	6,230		+32
8	219.44	41,708	+1,022	1,609	0	4,043	0	0	5,197		+59
9	220.11	43,437	+1,729	1,863	0	4,215	0	0	5,510		+304
10	220.25	43,801	+364	1,857	0	2,965	0	0	4,632		-7
11	221.36	46,705	+2,904	1,755	0	3,505	0	0	3,953		+156
12	221.37	46,731	+26	1,558	0	2,743	0	0	4,376		+88
13	221.73	47,677	+946	1,479	0	2,852	0	0	3,942		+88
14	222.30	49,182	+1,505	1,488	0	3,929	0	0	4,541		-117
15	222.31	49,208	+26	701	3,253	180	449	0	3,912		+240
16	221.44	46,915	-2,293	0	3,415	0	688	0	3,633		-250
17	220.03	43,230	-3,685	0	3,445	0	899	0	4,155		-249
18	219.60	42,119	-1,111	0	5,444	0	906	0	4,809		-289
19	221.10	46,023	+3,904	0	7,568	0	1,065	0	4,474		-60
20	221.25	46,416	+393	0	6,259	0	1,084	0	4,722		-254
21	220.83	45,315	-1,101	0	4,964	487	1,201	0	4,549		-256
22	222.38	49,394	+4,079	0	6,904	552	1,275	0	3,987		-138
23	223.46	52,276	+2,882	0	6,618	601	1,110	0	4,614		-43
24	222.40	49,447	-2,829	0	3,900	757	1,248	0	4,868		+33
25	221.57	47,257	-2,190	0	5,401	506	1,353	0	5,296		-362
26	221.38	46,758	-499	0	5,564	754	1,311	0	5,193		-66
27	221.84	47,966	+1,208	0	6,480	124	1,272	0	4,467		-255
28	220.73	45,054	-2,912	0	4,714	244	1,266	0	4,672		-488
29	221.71	47,625	+2,571	0	5,803	487	984	0	3,846		-165
30	222.78	50,459	+2,834	0	7,303	319	949	0	5,015		+164
TOTALS			+3,334	28,546	87,919	53,884	17,060	1,099	147,629		-2,490
ACRE-FEET			+3,334	56,621	174,387	106,879	33,839	2,180	292,822	778	-4,939

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	33,839	DOS AMIGOS PUMP	292,822		
SAN LUIS PUMP	2,180	DELIVERIES	778	TOTAL	329,619

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

Table 19

APRIL 2002

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: May 15, 2002

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS						PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	PUMPING		GENER	FED	STATE	TOTAL	PUMPING		GENERATION		FED	STATE	TOTAL	
1	6,932	0	6,932	5,598	0	5,598	0	0	0	0	0	0	0	322	1,790	10,068	11,858
2	6,002	0	6,002	5,594	0	5,594	0	0	0	0	0	0	0	309	1,821	11,849	13,670
3	6,348	0	6,348	5,589	0	5,589	0	0	0	0	0	0	0	327	1,798	11,408	13,206
4	6,178	0	6,178	5,665	0	5,665	0	508	-24	484	0	0	0	260	1,783	8,765	10,548
5	7,441	0	7,441	4,040	0	4,040	0	1,702	-7	1,695	0	0	0	321	1,774	10,326	12,100
6	8,507	0	8,507	2,800	0	2,800	0	0	0	0	1,788	-34	1,754	354	2,573	9,506	12,079
7	7,428	0	7,428	2,917	0	2,917	0	0	0	0	0	0	0	354	3,149	9,208	12,357
8	8,020	0	8,020	3,192	0	3,192	0	0	0	0	0	0	0	369	3,326	6,982	10,308
9	8,360	0	8,360	3,695	0	3,695	0	0	0	0	0	0	0	417	4,105	6,824	10,929
10	5,881	0	5,881	3,683	0	3,683	0	0	0	0	0	0	0	361	3,923	5,264	9,187
11	6,952	0	6,952	3,482	0	3,482	0	0	0	0	0	0	0	503	2,672	5,168	7,840
12	5,440	0	5,440	3,090	0	3,090	0	0	0	0	0	0	0	379	2,665	6,014	8,679
13	5,657	0	5,657	2,933	0	2,933	0	0	0	0	0	0	0	476	2,692	5,127	7,819
14	7,793	0	7,793	2,952	0	2,952	0	0	0	0	0	0	0	422	2,690	6,318	9,008
15	357	0	357	1,391	0	1,391	891	0	0	0	0	6,452	6,452	406	2,673	5,086	7,759
16	0	0	0	0	0	0	1,365	0	0	0	3,790	2,984	6,774	279	2,586	4,620	7,206
17	0	0	0	0	0	0	1,783	0	0	0	3,782	3,051	6,833	429	2,664	5,578	8,242
18	0	0	0	0	0	0	1,797	0	0	0	3,808	6,990	10,798	407	2,588	6,950	9,538
19	0	0	0	0	0	0	2,113	0	0	0	7,728	7,284	15,012	453	2,613	6,262	8,875
20	0	0	0	0	0	0	2,151	0	0	0	7,725	4,689	12,414	524	2,631	6,736	9,367
21	823	0	823	0	0	0	2,383	0	0	0	2,191	7,656	9,847	539	2,647	6,376	9,023
22	1,094	0	1,094	0	0	0	2,528	0	0	0	7,814	5,881	13,695	530	2,677	5,231	7,908
23	1,192	0	1,192	0	0	0	2,201	0	0	0	7,923	5,204	13,127	570	2,728	6,423	9,151
24	1,501	0	1,501	0	0	0	2,476	0	0	0	2,599	5,137	7,736	612	2,718	6,938	9,656
25	1,004	0	1,004	0	0	0	2,684	0	0	0	6,530	4,183	10,713	606	3,263	7,242	10,505
26	1,495	0	1,495	0	0	0	2,600	0	0	0	6,044	4,993	11,037	609	3,219	7,081	10,300
27	246	0	246	0	0	0	2,524	0	0	0	6,079	6,774	12,853	624	3,235	5,626	8,861
28	483	0	483	0	0	0	2,512	0	0	0	1,425	7,926	9,351	628	3,122	6,145	9,267
29	966	0	966	0	0	0	1,951	0	0	0	7,641	3,870	11,511	615	3,182	4,446	7,628
30	632	0	632	0	0	0	1,883	0	0	0	7,693	6,792	14,485	870	3,229	6,718	9,947

AQUEDUCT CHECK 12	O'NEILL PUMPING		O'NEILL GENERATION		SAN LUIS PUMPING			SAN LUIS GENERATION			PACHECO PUMPING	DOS AMIGOS	
TOTAL	106,732	TOTAL	56,621	TOTAL	33,842	TOTAL	2,179	TOTAL	174,392	TOTAL	13,875	TOTAL	292,821
FEDERAL	0	FEDERAL	56,621			FEDERAL	2,210	FEDERAL	84,560			FEDERAL	82,536
STATE	106,732	STATE	0			STATE	-31	STATE	89,832			STATE	210,285
												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

APRIL 2002

FEDERAL-STATE OPERATIONS

RUN DATE: May 15, 2002

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS		BYRON BETHANY TOTAL	AQEDUCT STATE	CHECK 21		DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC				FED	TOTAL	
1	8,357	0	8,357	7,535	7,511	0	7,511	0	0	46	10,907	0	10,907	2,759	
2	8,417	0	8,417	6,729	7,045	0	7,045	0	0	93	11,462	0	11,462	2,823	
3	8,425	0	8,425	7,338	7,264	0	7,264	0	0	52	10,059	0	10,059	2,836	
4	8,411	0	8,411	7,324	7,208	0	7,208	0	0	73	9,271	0	9,271	2,746	
5	6,262	0	6,262	8,686	8,149	0	8,149	0	0	64	9,201	0	9,201	2,222	
6	5,471	0	5,471	9,833	9,806	0	9,806	0	0	70	10,026	0	10,026	2,671	
7	5,318	0	5,318	9,001	8,203	0	8,203	0	0	0	9,502	0	9,502	2,401	
8	6,029	0	6,029	8,508	9,254	0	9,254	0	0	245	7,732	0	7,732	2,837	
9	6,759	0	6,759	7,320	9,361	0	9,361	0	0	132	7,704	0	7,704	3,064	
10	6,743	0	6,743	6,935	6,787	0	6,787	0	0	84	7,038	0	7,038	3,060	
11	6,732	0	6,732	7,140	7,615	0	7,615	0	0	169	5,591	0	5,591	3,250	
12	6,729	0	6,729	6,940	6,268	0	6,268	0	0	113	6,147	0	6,147	3,639	
13	6,748	0	6,748	6,336	7,375	0	7,375	0	0	100	5,139	0	5,139	3,815	
14	6,810	0	6,810	6,729	8,845	0	8,845	0	0	50	6,576	0	6,576	3,858	
15	3,286	0	3,286	986	810	0	810	0	0	154	4,935	0	4,935	2,786	
16	1,977	0	1,977	1,176	0	0	0	0	0	40	5,029	0	5,029	3,342	
17	1,973	0	1,973	1,159	0	0	0	0	0	129	5,722	0	5,722	3,756	
18	1,847	0	1,847	946	0	0	0	0	0	109	5,456	0	5,456	3,644	
19	1,867	0	1,867	1,179	217	0	217	0	0	81	5,544	0	5,544	3,980	
20	1,761	0	1,761	1,266	1,229	0	1,229	0	0	80	5,966	0	5,966	3,912	
21	1,766	0	1,766	1,289	993	0	993	0	0	81	7,033	0	7,033	4,149	
22	1,746	0	1,746	1,285	1,077	0	1,077	0	0	143	5,060	0	5,060	4,274	
23	1,740	0	1,740	1,273	1,170	0	1,170	0	0	125	4,963	0	4,963	3,941	
24	1,765	0	1,765	1,283	1,186	0	1,186	0	0	140	7,104	0	7,104	4,241	
25	1,740	0	1,740	1,259	1,189	0	1,189	0	0	134	7,061	0	7,061	4,424	
26	1,746	0	1,746	1,272	1,960	0	1,960	0	0	86	6,826	0	6,826	4,346	
27	1,747	0	1,747	1,274	1,152	0	1,152	0	0	100	6,392	0	6,392	4,271	
28	1,736	0	1,736	1,286	1,165	0	1,165	0	0	100	7,132	0	7,132	4,248	
29	1,751	0	1,751	1,286	1,184	0	1,184	0	0	166	5,770	0	5,770	3,702	
30	1,739	0	1,739	1,217	1,180	0	1,180	0	0	123	6,978	0	6,978	3,622	
TOTALS	127,398	0	127,398	125,790	125,203	0	125,203	0	0	3,082	213,326	0	213,326	104,619	

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	14486									46906
Delta-Mendota	254400	199820	256707	127398									838325
Actual Fed Dos Amigos	40075	84854	72021	na									196950
Madera	0	0	0	3783									3783
Friant-Kern	11328	30796	29060	48191									119375
Corning	0	0	422	1745									2167
Folsom-South	1553	1553	1805	2289									7200
Sly Park - Camino Conduit	1097	908	774	1359									4138
Tehama-Colusa	0	1636	13446	19095									34177
CACHUMA PROJECT													
Tecolete Tunnel	1872	2225	2761	2875									9733
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0		28420									28420
Klamath Drainage District	25120	7580		11250									43950
Clear Lake Reservoir	0	0		140									140
Gerber Reservoir	0	0		800									800
Klamath River to Lost River	0	0		6300									6300
ORLAND PROJECT													
Stony Creek	0	0	2432	15731									18163
South Canal	0	0	1682	10122									11804
North Canal	0	0	750	5609									6359
SOLANO PROJECT													
Putah South Canal	3319	2906	3669	17629									27523

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									0
Arvin-Edison WSD	2900	3616	133	2414									9063
Atwell Island WD	0	0	0	0									0
Delano-Earlimart ID	81	2459	8577	11882									22999
Exeter ID	22	34	53	701									810
City of Fresno	0	0	14	45									59
County of Fresno SA #34	5	3	13	25									46
Fresno ID	11	131	0	0									142
Garfield WD	0	0	7	351									358
Hills Valley ID	22	0	14	317									353
International WD	0	108	0	116									224
Ivanhoe ID	0	0	0	95									95
Kaweah Delta WCD	0	0	0	0									0
Kern County Water Agency	0	0	0	0									0
Kern-Tulare WD	162	355	1330	na									1847
Lewis Creek WD	0	0	0	0									0
Lindmore ID	0	0	227	1450									1677
City of Lindsay	122	102	142	193									559
Lindsay-Strathmore ID	0		373	2525									2898
Lower Tule River ID	824	396	0	0									1220
North-Kern WSD	0	0	0	0									0
City of Orange Cove	87	88	104	108									387
Orange Cove ID	298	38	112	1811									2259
Pixley ID	0	0	0	0									0
Porterville ID	0	0	670	1000									1670
Rag Gulch WD	9	196	431	1235									1871
Rosedale Rio Bravo WSD	0	0	0	0									0
Saucelito ID	11	259	1883	2143									4296
Semitropic WSD	0	0	0	0									0
Shafter Wasco ID	1465	6869	2969	4791									16094
Southern San Joaquin MUD	401	6254	7790	10291									24736
Smallwood Vineyards	0	0	0	84									84
Stone Corral ID	70	6	68	823									967
Strathmore PUD	30	24	29	41									124
Styro Tek, Inc.	0	1	1	1									3
Tea Pot Dome WD	0	48	0	358									406
Terra Bella ID	153	76	83	1414									1726
Tri-Valley WD	0	0	0	0									0
Tulare ID	0	5045	0	0									5045
Total	6673	26108	25023	44214	0	0	0	0	0	0	0	0	102018

* 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									0
Madera ID	0	0	0	1761									1761
Soquel	0	0	0	0									0
Total	0	0	0	1761	0	0	0	0	0	0	0	0	1761
MILLERTON LAKE													
County of Madera	2	2	3	4									11
Fresno County # 18	5	5	7	12									29
Gravelly Ford WD	0	0	584	991									1575
Total	7	7	594	1007	0	0	0	0	0	0	0	0	1615

* 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	58									757
Broadview WD	428	1829	919	639									3815
CCID (Abv CK 13)	61	641	1389	1568									3659
CCID (Blw CK 13)	309	1100	7885	6806									16100
Centinella WD	0	0	0	0									0
China Island (76.05)	0	0	513	400									913
Del Puerto WD	56	1910	3106	9954									15026
DWR Intertie @MP7.70-R	0	0	0	0									0
Eagle Field WD	0	548	0	1									549
Firebaugh Canal	192	2050	1701	1354									5297
Frietas Unit (76.05L)	0	0	720	845									1565
Mercy Springs WD	1	123	63	88									275
Oro Loma WD	0	113	30	0									143
Panoche WD - Ag	51	341	344	372									1108
Panoche WD - M&I	2	3	2	3									10
Patterson WD	0	0	55	313									368
Plainview WD	0	13	30	482									525
Salt Slough Unit (76.05L)	0	0	515	900									1415
San Luis WD - Ag	355	1098	538	850									2841
San Luis WD - M&I	1	1	5	19									26
Tracy, City of	0	0	407	562									969
West Side ID	6	0	0	0									6
Widren	0	0	0	0									0
W. Stanislaus ID	0	984	2366	3913									7263
F&G - Los Banos Ref. 76.05L	0	0	1090	301									1391
Volta Wildlife Mgmt Area	0	113	0	521									634
Grasslands -76.05L	4820	7408	0	1508									13736
Grasslands - Volta	402	427	0	1848									2677
F&S (Volta) Santa Fee Kest.	0	0	0	0									0
F&S - Kesterson 76.05L	0	0	0	504									504
Total DMC Deliveries	6684	18702	22377	33809	0	0	0	0	0	0	0	0	81572
Oneill Pumped	225493	93737	153351	22779									495360
DMC plus Oneill	232177	112439	175728	56588	0	0	0	0	0	0	0	0	576932

* 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	209									736
Broadview WD	1	1	0	2									4
City of Coalinga	280	241	234	472									1227
City of Dos Palos	66	65	84	118									333
City of Huron	43	46	47	124									260
Pacheco WD	328	708	994	1045									3075
Panoche WD	2602	4828	3684	3144									14258
San Luis WD	1066	5700	5801	5111									17678
Westlands WD (Federal)	35134	74079	63941	75647									248801
Phase I (Non-chargeable)	0	8	0	0									8
Fish & Game (Lateral 4)	1	1	1	1									4
Fish & Game (Lateral 6)	51	0	0	0									51
Total	39784	85818	74960	85873	0	0	0	0	0	0	0	0	286435
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	76	63	84	45									268
San Luis WD Ag	117	620	698	689									2124
San Luis M&I	28	22	32	44									126
VA Cemetary	2	2	3	7									14
Total	223	707	817	785	0	0	0	0	0	0	0	0	2532
CROSS VALLEY CANAL													
Arvin Edison WSD	0	0	0	0									0
Kern-Tulare	0	0	0	0									0
Pixley ID	0	0	0	0									0
Rag Gulch	0	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	12225									39871
San Benito	323	1360	285	1650									3618
Total	9043	10666	9905	13875	0	0	0	0	0	0	0	0	43489

* 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									0
Anderson Cottonwood ID	0	0	0	6829									6829
Andreotti, Arthur, et al	0	0	0	321									321
Baber, Jack	0	0	0	0									0
A&R Farms (Odysseus)	0	0	0	1									1
Windswept Land & Livestock	0	0	0	214									214
Cannel, Fred	0	0	0	154									154
Carter, Jane	0	0	0	0									0
Colusa Prop. Inc	0	0	0	0									0
Conaway Construction Group	0	0	0	1304									1304
Davis, Olive P.	0	0	0	3559									3559
Deseret Farms of Calif	0	0	0	58									58
Dommer, Elizabeth	0	0	0	0									0
Forry, David G.	0	0	0	133									133
Furlan Area #1	0	0	0	32									32
Furlan Area #2	0	0	0	0									0
Glenn-Colusa ID	0	0	0	102425									102425
Griffin, J.	0	0	0	142									142
Henle, John R.	0	0	0	0									0
Hershey Land Co	0	0	0	0									0
Hiatt, Glenn	0	0	0	0									0
Hollins, Mariette	0	0	0	65									65
Howald Farms	0	0	0	124									124
King, Barbara	0	0	0	0									0
Knaggs, Layton	0	0	0	0									0
Lockett, William P.	0	0	0	0									0
M&T Inc.	0	0	0	264									264
MCM Properties, Inc	0	0	0	0									0
Maxwell ID	0	0	0	1146									1146
Meridan Farms WC	0	0	0	2224									2224
Natomas Central MWC	0	0	0	5104									5104
O'Brien, Janice	0	0	0	229									229
Oji Bros. Farms Inc	0	0	0	52									52
Oji, Mitsue Family PTN	0	0	0	134									134
Pelger Mutual WC	0	0	0	541									541
Pleasant-Grove-Verona	0	0	0	799									799
Loma Cold Storage (Premier)	0	0	0	441									441
Princeton,-Codora	0	0	0	2381									2381
Provident Irrigation	0	0	0	7371									7371
Reclamation Dist #108	0	0	0	14747									14747
Reclamation Dist #1004	0	0	0	5502									5502
Reynen, et al	0	0	0	378									378
River Garden Farms	0	0	0	146									146
Roberts Ditch Irrigation Co	0	0	0	408									408
Sartain Mutual WC	0	0	0	38									38
Siddiqui, J & A	0	0	0	0									0
Spence, Ruth	0	0	0	0									0
Sutter Mutual	0	0	0	15717									15717
Swinford Tract Irrigation Co	0	0	0	0									0
Tarke, James	0	0	0	0									0
Tisdale Irrigation & Drain	0	0	0	502									502
Wallace Construction	0	0	0	143									143
Wells, Joyce	0	0	0	70									70
Wilson Ranch	0	0	0	0									0
Total	0	0	0	173698	0	0	0	0	0	0	0	0	173698

* 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	7866								
At Keswick	6960	4148	5292	5526								
At Bend Bridge	15587	8270	8142	7098								
At Vina Bridge	19635	8871	8917	7130								
At Ord Ferry	22050	7441	7746	3278								
At Colusa	20772	10171	10148	6353								
Below Wilkins Slough	18180	10576	10620	6094								
At Verona	34138	14345	15958	9478								
Sacramento at "I" Street	36687	15849	18823	13036								
Miscellaneous Stations												
Folsom computed inflow	3901	3822	4936	4573								
American R at Nimbus Dam	1460	1503	2897	3640								
Kings River at Pine Flat	95	602	1017	1618								
San Joaquin River												
At Friant Dam	93	95	124	159								
Near Vernalis	2920	2191	2411	2823								
Putah Creek												
Berryessa computed inflow	2096	358	348	99								
Putah Creek - Lake Solano	45	16	34	47								
Stanislaus River												
New Melones computed inflow	1062	779	1440	1804								
At Tulloch Dam	319	499	902	2184								
At Orange Blossom	247	319	338	712								

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