

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

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



June 2003

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INDEX

	<u>Page Number</u>
Summary of June 2003	1

TABLES

	<u>Table Number</u>
Reservoir Storage Summary	1
Power System Generation Summary	2
Shasta Lake Daily Operations	3
Trinity Lake Daily Operations	4
Whiskeytown Lake Daily Operations	5
Lewiston Lake Daily Operations	6
Spring Creek Debris Dam Daily Operations	7
Keswick Reservoir Daily Operations	8
Red Bluff Diversion Reservoir Daily Operations	9
Black Butte Reservoir Daily Operations	10
Folsom Lake Daily Operations	11
Lake Natoma Daily Operations	12
New Melones Daily Operations	13
Goodwin Reservoir Daily Operations	14
Millerton Lake Daily Operations	15
State-Federal Sacramento-San Joaquin Delta Outflow	16
Consolidated State-Federal San Luis Reservoir Daily Operations	17
Consolidated State-Federal O'Neill Forebay Daily Operations ...	18
Federal-State San Luis Operations	19
Federal-State Operations	20
Monthly Diversions in Acre-Feet, 2003	21
Monthly Deliveries - Friant-Kern Canal, 2003	22
Monthly Deliveries - Madera Canal and Millerton Lake, 2003	23
Monthly Deliveries - San Joaquin River and Mendota Pool, 2003 .	24
Monthly Deliveries - Delta-Mendota Canal, 2003	25
Monthly Deliveries - San Luis and Cross Valley Canal, 2003	26
Monthly Deliveries - Tehama-Colusa Canal, 2003	27
Monthly Deliveries - Sacramento River, 2003	28
Streamflow Data - Sacramento-San Joaquin Valleys, 2003	29

SUMMARY OF JUNE 2003 OPERATIONS

Sacramento had an average monthly temperature of 74.4 °F which was .8 °F above normal. The average temperature at Shasta Dam was 78.3 °F which was 3.9 °F above normal and Huntington Lake was 12.2 °F above normal with an average temperature of 66.3 °F.

Trinity System: Storage in Trinity Lake increased 12,800 acre-feet this month to 2,366,700 acre-feet, which is 97 percent of capacity and 121 percent of the 15 year average for this date. The total inflow for the month was 238,682 acre-feet. The Trinity River release were 2,000 ft³/s. Whiskeytown Lake was operated between elevations 1208.80 feet and 1209.42 feet with an end-of-month storage of 237,800 acre-feet. The releases to Clear Creek from Whiskeytown Dam ranged between 98 and 140 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 107,722 acre-feet.

Shasta-Keswick: Storage in Shasta Lake decreased 347,700 acre-feet for an end-of-month storage of 4,088,100 acre-feet, which is 90 percent of capacity and 117 percent of the 15 year average. The total inflow for the month was 334,188 acre-feet. The release to the Sacramento River at Keswick ranged between 11,500 and 14,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 38,200 acre-feet and had an end-of-month storage of 924,000 acre-feet, which is 95 percent of capacity and 123 percent of the 15 year average for this date. The total inflow for the month was 245,775 acre-feet. The release to the American River at Nimbus ranged between 2,500 and 7,000 ft³/s during the month.

New Melones: Storage in New Melones decreased 12,600 acre-feet for an end-of-month storage of 1,447,200 acre-feet or 60 percent of capacity and 107 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 650 to 1,250 ft³/s for the month. The total inflow for the month was 146,301 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on June 30, 2003, was 660,000 acre-feet compared to the storage a year ago of 386,000 acre-feet.

Friant: Storage in Millerton Lake decreased 7,071 acre-feet to 483,300 acre-feet. The total monthly inflow was 300,225 acre-feet. The release to the San Joaquin River at Friant varied between 185 and 254 ft³/s. Total spill to the San Joaquin River at Friant was 8,275 ft³/s.

CVP Totals: The total diversions to CVP canals were 620,623 acre-feet. The June 30, 2003, storage in the 18 CVP reservoirs was 9,486,000 acre-feet compared to storage 1 year ago of 8,219,000 acre-feet.

Power: Gross power production for the CVP totaled 684,946,600 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	06/30/03	06/30/02	WATERSHED	RESERVOIR	TOTAL CAPACITY	06/30/03	06/30/02
KLAMATH	CLEAR LAKE *	526,800	122,000	161,530	AMERICAN	FOLSOM LAKE *CVP	1,010,300	923,970	766,500
	GERBER *	94,300	39,680	41,340		LAKE NATOMA *CVP	9,030	7,940	8,180
	UPR KLAMATH LK *	873,300	381,560	350,860	COSUMNES	JENKINSON LK *CVP	41,000	39,310	39,210
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	2,366,660	1,907,610	MOKELUMNE	CAMANCHE	431,500	376,860	286,050
	LEWISTON LAKE*CVP	14,660	14,260	14,250		PARDEE	210,000	195,050	188,820
	WHISKEYTOWN *CVP	241,100	237,830	237,320	SALT SPRINGS	140,000	141,520	134,250	
MCCLOUD	MCCLOUD DIV. RES	35,230	32,150	32,010	CALAVERAS	NEW HOGAN	317,100	146,800	163,430
PIT	IRON CANYON	24,240	18,920	21,660		NEW MELONES*CVP	2,420,000	1,447,230	1,478,530
	LAKE BRITTON	40,620	35,800	37,590		BEARDSLEY	97,800	97,680	96,810
	PIT NO. 6	15,890	14,300	14,730	STANISLAUS	DONNELLS	64,320	62,950	63,460
	PIT NO. 7	34,610	31,590	32,490	TULLOCH	67,000	65,310	65,400	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	4,088,100	3,678,840	TUOLUMNE	LAKE ELEANOR	26,100	25,310	25,870
	SPRING CREEK *CVP	5,900	950	1,100		LAKE LLOYD	268,000	273,890	269,720
	KESWICK *CVP	23,800	22,630	22,010		HETCH-HETCHY	360,400	359,770	359,970
	RED BLUFF DIV *CVP	3,920	3,930	3,930	NEW DON PEDRO	2,030,000	184,700	1,566,650	
FEATHER	OROVILLE	3,538,000	3,461,360	2,362,240	TURLOCK LAKE	49,000	31,650	29,310	
	THERMALITO DIV RES	13,500	13,140	13,090	MERCED	EXCHEQUER	1,024,600	660,840	582,110
	THERMALITO FORE.	14,400	10,470	11,230	CHOWCHILLA	BUCHANAN	150,000	26,410	26,420
	THERMALITO AFTER.	57,000	30,410	30,640	CRANE VALLEY	45,400	42,760	43,820	
STONY CREEK	LAKE ALMANOR	1,143,000	1,022,140	911,950	LAKE T.A. EDISON	125,000	115,530	101,460	
	EAST PARK *	50,900	47,895	19,560	FLORENCE LAKE	64,600	56,350	60,890	
	STONY GORGE *	50,000	56,350	36,290	SAN JOAQUIN	MAMMOTH POOL	122,700	111,580	105,920
PUTAH CREEK	BLACK BUTTE *CVP	143,700	117,070	75,020	HUNTINGTON LAKE	89,800	87,760	87,510	
	LAKE BERRYESSA *	1,602,300	1,555,500	1,410,700	REDINGER LAKE	35,000	24,630	24,160	
	LAKE SOLANO *	720	670	690	SHAVER LAKE	135,400	132,180	125,400	
YUBA	BULLARDS BAR	930,000	915,630	756,050	MILLERTON LK *CVP	520,500	483,280	456,200	
	SO. YUBA SYSTEM	146,000	131,500	129,900	FRESNO	HIDDEN	90,000	35,200	25,110
	NARROWS	70,000	99,120	63,640	SAN LUIS **CVP	2,040,600	1,217,650	873,970	
BEAR	ROLLINS	65,990	68,400	64,270	O'NEILL FORE.**CVP	56,400	47,360	41,730	
LITTLE TRUCKEE	STAMPEDE *	226,620	157,510	120,900	SAN LUIS	L BANOS RES**CVP	34,560	19,990	19,930
	BOCA *	41,140	31,030	38,670	LT PANOCHE **CVP	5,580	760	750	
PROSSER	PROSSER CREEK *	29,840	30,050	22,440	OIL CANYON	CONTRA LOMA *CVP	2,100	2,070	2,020
TRUCKEE	LAKE TAHOE *	732,000	226,000	249,000	KINGS	WISHON	128,300	120,530	87,240
	RYE PATCH *	190,000		26,100	PINE FLAT	1,001,500	669,560	465,170	
HUMBOLDT					KAWEAH	TERMINUS	143,000	86,160	101,310
CARSON	LAHONTAN *	317,280		206,100	TULE	SUCCESS	82,300	65,010	35,430
	TWIN LAKES	21,600	22,430	22,180	KERN	ISABELLA	588,100	303,810	173,730
	FRENCH MEADOWS	136,400	132,610	120,920	CUYAMA	TWITCHHELL *	240,100	5,160	na
AMERICAN	HELL HOLE	207,590	203,350	152,800	SANTA YNEZ	LAKE CACHUMA *	190,500	128,540	151,090
	LOON LAKE	76,500	73,460	73,830	COYOTE	LAKE CASITAS *	254,000	193,660	209,780
	ICE HOUSE	46,000	44,580	44,630	TOTAL - 85 RESERVOIRS		33,790,040	25,157,395	23,147,730
	UNION VALLEY	277,300	264,370	270,860	TOTAL - 36 RESERVOIRS		18,992,650	14,016,595	12,672,150
	SLAB CREEK	16,600	15,270	13,450	TOTAL - 18 RESERVOIRS		13,572,850	11,040,990	9,627,100

** - 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

JUNE 2003

SHASTA LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

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			
		4,436.0								
1	1,062.94	4,432.2	-3.8	8,902	10,562	0	0	259	.30	.00
2	1,062.77	4,427.2	-5.0	8,353	10,468	0	0	388	.45	.00
3	1,062.58	4,421.7	-5.5	8,344	10,754	0	0	388	.45	.00
4	1,062.33	4,414.4	-7.3	7,278	10,598	0	0	361	.42	.00
5	1,062.08	4,407.1	-7.3	7,847	11,167	0	0	361	.42	.00
6	1,061.81	4,399.2	-7.9	7,510	11,215	0	0	257	.30	.00
7	1,061.43	4,388.2	-11.0	6,239	11,491	0	0	317	.37	.00
8	1,061.16	4,380.3	-7.8	7,280	10,929	0	0	308	.36	.00
9	1,060.87	4,371.9	-8.4	7,358	11,343	0	0	256	.30	.00
10	1,060.35	4,356.8	-15.1	4,706	11,927	0	0	367	.43	.00
11	1,059.98	4,346.1	-10.7	6,729	11,847	0	0	281	.33	.00
12	1,059.50	4,332.2	-13.9	5,526	12,245	0	0	289	.34	.00
13	1,059.06	4,319.5	-12.7	6,093	12,339	0	0	178	.21	.00
14	1,058.48	4,302.8	-16.7	4,169	12,297	0	0	305	.36	.00
15	1,057.98	4,288.4	-14.4	5,280	12,275	0	0	270	.32	.00
16	1,057.45	4,273.2	-15.2	4,687	12,060	0	0	295	.35	.00
17	1,056.94	4,258.5	-14.6	5,168	12,164	0	0	378	.45	.00
18	1,056.36	4,242.0	-16.6	4,390	12,405	0	0	335	.40	.00
19	1,055.84	4,227.1	-14.8	4,238	11,438	0	0	276	.33	.00
20	1,055.34	4,212.9	-14.2	2,509	9,425	0	0	250	.30	.00
21	1,054.79	4,197.3	-15.6	2,571	10,190	0	0	250	.30	.00
22	1,054.31	4,183.7	-13.6	4,466	10,905	0	0	407	.49	.00
23	1,053.97	4,174.1	-9.6	4,070	8,719	0	0	199	.24	.00
24	1,053.66	4,165.4	-8.7	4,780	8,933	0	0	248	.30	.00
25	1,053.22	4,153.0	-12.4	4,892	10,767	0	0	372	.45	.00
26	1,052.89	4,143.7	-9.3	5,861	10,217	0	0	322	.39	.00
27	1,052.49	4,132.5	-11.2	5,040	10,429	0	0	264	.32	.00
28	1,052.00	4,118.8	-13.7	4,316	10,928	0	0	312	.38	.00
29	1,051.43	4,102.9	-15.9	4,693	12,218	0	0	492	.60	.00
30	1,050.90	4,088.1	-14.8	5,098	12,268	0	0	278	.34	.00
TOTALS			-347.7	168,393	334,523	0	0	9,263	11.00	.00
ACRE-FEET			-347,700	334,008	663,526	0	0	18,373		

COMMENTS:

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

SUMMARY

POWER	RELEASE (ACRE-FEET)	PRECIPITATION
SPILL	663,526	THIS MONTH = .00
TOTAL	0	JULY 1, 2002 TO DATE = 73.41
TOTAL	663,526	

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

JUNE 2003

TRINITY LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

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)	
		2,353.8								
1	2,364.61	2,359.9	+6.1	7,086	3,868	0	0	151	.32	.00
2	2,364.97	2,365.7	+5.8	6,889	3,870	0	0	113	.24	.00
3	2,365.35	2,371.8	+6.1	7,094	3,868	0	0	142	.30	.00
4	2,365.77	2,378.6	+6.8	7,404	3,861	0	0	133	.28	.00
5	2,366.13	2,384.4	+5.8	6,931	3,855	0	0	147	.31	.00
6	2,366.46	2,389.7	+5.3	6,690	3,852	0	0	143	.30	.00
7	2,366.82	2,395.6	+5.8	6,938	3,855	0	0	143	.30	.00
8	2,367.16	2,401.1	+5.5	6,781	3,849	0	0	148	.31	.00
9	2,367.40	2,405.0	+3.9	5,785	3,679	0	0	134	.28	.00
10	2,367.54	2,407.3	+2.3	5,100	3,811	0	0	139	.29	.00
11	2,367.60	2,408.3	+1.0	4,444	3,807	0	0	144	.30	.00
12	2,367.61	2,408.4	+0.2	4,029	3,818	0	0	129	.27	.00
13	2,367.55	2,407.4	-1.0	3,460	3,833	0	0	120	.25	.00
14	2,367.47	2,406.1	-1.3	3,287	3,834	0	0	110	.23	.00
15	2,367.39	2,404.8	-1.3	3,294	3,831	0	0	120	.25	.00
16	2,367.35	2,404.2	-0.7	3,623	3,823	0	0	129	.27	.00
17	2,367.31	2,403.5	-0.7	3,612	3,817	0	0	124	.26	.00
18	2,367.21	2,401.9	-1.6	3,115	3,821	0	0	115	.24	.00
19	2,367.04	2,399.1	-2.8	2,549	3,826	0	0	120	.25	.00
20	2,366.84	2,395.9	-3.2	2,340	3,827	0	0	148	.31	.00
21	2,366.62	2,392.3	-3.6	2,167	3,830	0	0	134	.28	.00
22	2,366.40	2,388.8	-3.6	2,171	3,829	0	0	138	.29	.00
23	2,366.14	2,384.6	-4.2	1,858	3,858	0	0	124	.26	.00
24	2,365.89	2,380.5	-4.0	1,923	3,856	0	0	104	.22	.00
25	2,365.71	2,377.6	-2.9	2,050	3,388	0	0	123	.26	.00
26	2,365.57	2,375.4	-2.3	1,977	2,986	0	0	128	.27	.00
27	2,365.47	2,373.7	-1.6	2,218	2,893	0	0	137	.29	.00
28	2,365.38	2,372.3	-1.4	2,349	2,933	0	0	147	.31	.00
29	2,365.23	2,369.9	-2.4	1,808	2,851	0	0	175	.37	.00
30	2,365.03	2,366.7	-3.2	1,362	2,825	0	0	161	.34	.00
TOTALS			+12.8	120,334	109,854	0	0	4,023	8.45	.00
ACRE-FEET			+12,800	238,682	217,895	0	0	7,980		

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	217,895	OUTLET	0	PRECIPITATION	THIS MONTH =	.00
SPILL	0	TOTAL	217,895		JULY 1, 2002 TO DATE =	36.61

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

JUNE 2003

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: March 11, 2004

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. — TO CLEAR CR — (1) OUTLETS	SPILL	TO SPRING CR. PP	EVAP. C.F.S. INCHES	PRECIP INCHES	
		238.5										
1	1,209.20	238.5	+0.0	2,257	2,004	253	140	0	2,087	14	.15	.00
2	1,208.94	237.7	-0.8	2,441	2,126	315	140	0	2,698	22	.23	.00
3	1,208.80	237.3	-0.4	2,198	1,929	269	140	0	2,260	22	.24	.00
4	1,208.83	237.4	+0.1	2,190	1,918	272	140	0	1,967	35	.37	.00
5	1,208.96	237.8	+0.4	2,236	2,020	216	140	0	1,857	31	.33	.00
6	1,209.03	238.0	+0.2	2,178	1,925	253	140	0	1,912	14	.15	.00
7	1,209.42	239.2	+1.2	2,205	2,034	171	140	0	1,420	16	.17	.00
8	1,208.99	237.9	-1.4	2,277	1,981	296	140	0	2,805	26	.28	.00
9	1,208.94	237.7	-0.2	1,945	1,776	169	140	0	1,866	19	.20	.00
10	1,208.93	237.7	+0.0	2,158	1,967	191	140	0	2,011	23	.25	.00
11	1,208.85	237.4	-0.3	2,219	1,961	258	140	0	2,165	43	.46	.00
12	1,208.92	237.6	+0.2	2,175	1,986	189	140	0	1,893	30	.32	.00
13	1,209.00	237.9	+0.3	2,225	2,001	224	140	0	1,934	23	.24	.00
14	1,209.04	238.0	+0.1	2,247	2,015	232	140	0	2,016	26	.28	.00
15	1,209.01	237.9	-0.1	2,179	1,975	204	140	0	2,064	23	.25	.00
16	1,208.92	237.6	-0.3	2,075	1,916	159	140	0	2,058	21	.22	.00
17	1,208.85	237.4	-0.2	2,172	1,943	229	140	0	2,121	23	.25	.00
18	1,208.87	237.5	+0.1	2,148	2,005	143	140	0	1,951	25	.27	.00
19	1,208.90	237.6	+0.1	2,137	1,992	145	140	0	1,928	21	.22	.00
20	1,208.97	237.8	+0.2	2,167	2,029	138	140	0	1,892	23	.25	.00
21	1,208.88	237.5	-0.3	2,029	1,894	135	140	0	2,009	24	.26	.00
22	1,209.09	238.2	+0.7	2,279	2,129	150	140	0	1,778	24	.26	.00
23	1,209.07	238.1	-0.1	2,135	2,034	101	140	0	1,998	29	.31	.00
24	1,208.80	237.3	-0.9	2,052	1,881	171	140	0	2,321	25	.27	.00
25	1,209.13	238.3	+1.1	1,744	1,620	124	140	0	1,051	23	.25	.00
26	1,209.13	238.3	+0.0	1,224	1,098	126	140	0	1,050	34	.36	.00
27	1,209.09	238.2	-0.1	1,096	1,014	82	125	0	1,001	35	.37	.00
28	1,209.07	238.1	-0.1	1,135	1,082	53	123	0	1,011	33	.35	.00
29	1,209.03	238.0	-0.1	1,084	1,034	50	100	0	1,020	29	.31	.00
30	1,208.98	237.8	-0.2	1,067	1,020	47	98	0	1,027	23	.25	.00
TOTALS			-0.8	59,674	54,309	5,365	4,086	0	55,171	759	8.12	.00
ACRE-FEET			-0.8	118,363	107,722	10,641	8,105	0	109,432	1,505		

* 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	109,432	OUTLET	8,105	THIS MONTH	.00
SPILL	0	TOTAL	117,537	JULY 1, 2002 TO DATE	74.72

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

Table 6

JUNE 2003

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: July 17, 2003

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
		13,830								
1	1,900.80	13,764	-66	3,978	80	50	1,870	2,004	7	.32
2	1,900.36	13,440	-324	3,968	71	50	1,879	2,126	5	.24
3	1,900.57	13,595	+155	4,013	0	50	1,950	1,929	6	.30
4	1,900.77	13,742	+147	3,998	50	50	1,900	1,918	6	.28
5	1,900.73	13,712	-30	4,012	80	50	1,870	2,020	7	.31
6	1,900.92	13,852	+140	4,003	80	50	1,870	1,925	7	.30
7	1,900.82	13,779	-73	4,004	80	50	1,870	2,034	7	.30
8	1,900.84	13,793	+14	3,995	80	50	1,870	1,981	7	.31
9	1,901.02	13,926	+133	3,849	80	50	1,870	1,776	6	.28
10	1,901.03	13,933	+7	3,977	80	50	1,870	1,967	6	.29
11	1,901.04	13,941	+8	3,972	80	50	1,870	1,961	7	.30
12	1,901.00	13,911	-30	3,977	80	50	1,870	1,986	6	.27
13	1,900.92	13,852	-59	3,976	80	50	1,870	2,001	5	.25
14	1,900.84	13,793	-59	3,990	67	50	1,883	2,015	5	.23
15	1,900.86	13,808	+15	3,988	0	50	1,950	1,975	5	.25
16	1,901.00	13,911	+103	3,974	44	50	1,906	1,916	6	.27
17	1,901.06	13,956	+45	3,972	0	50	1,950	1,943	6	.26
18	1,900.98	13,896	-60	3,980	0	50	1,950	2,005	5	.24
19	1,900.93	13,859	-37	3,978	40	50	1,910	1,992	5	.25
20	1,900.80	13,764	-95	3,988	80	50	1,870	2,029	7	.31
21	1,901.05	13,948	+184	3,993	80	50	1,870	1,894	6	.28
22	1,900.61	13,624	-324	3,972	80	50	1,870	2,129	6	.29
23	1,900.57	13,595	-29	4,025	80	50	1,870	2,034	6	.26
24	1,900.91	13,845	+250	4,012	80	50	1,870	1,881	5	.22
25	1,900.80	13,764	-81	3,585	80	50	1,870	1,620	6	.26
26	1,901.12	14,001	+237	3,223	80	50	1,870	1,098	6	.27
27	1,901.40	14,210	+209	3,125	80	50	1,870	1,014	6	.29
28	1,901.45	14,248	+38	3,108	80	50	1,870	1,082	7	.31
29	1,901.42	14,225	-23	3,030	80	50	1,870	1,034	8	.37
30	1,901.47	14,263	+38	3,046	80	50	1,870	1,020	7	.34
TOTALS			+433	114,711	1,952	1,500	56,548	54,309	184	8.45
ACRE-FEET			+433	227,529	3,872	2,975	112,163	107,722	365	

* 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	3,872	JUDGE FRANCIS CARR POWERPLANT	107,722
TOTAL RIVER	119,010	TOTAL RELEASE	226,732

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

Table 7

JUNE 2003

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: July 17, 2003

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	
		1,538							
1	729.56	1,558	+20	10	0	0			
2	730.03	1,577	+19	10	0	0			
3	730.40	1,593	+16	8	0	0			
4	730.75	1,608	+15	8	0	0			
5	731.13	1,624	+16	8	0	0			
6	731.53	1,641	+17	9	0	0			
7	731.80	1,652	+11	6	0	0			
8	732.17	1,668	+16	8	0	0			
9	732.53	1,684	+16	8	0	0			
10	732.75	1,694	+10	5	0	0			
11	733.07	1,708	+14	7	0	0			
12	733.30	1,718	+10	5	0	0			
13	733.58	1,731	+13	10	0	3			
14	733.74	1,738	+7	9	0	5			
15	734.00	1,749	+11	11	0	5			
16	734.23	1,759	+10	10	0	5			
17	734.70	1,781	+22	16	0	5			
18	734.26	1,761	-20	13	0	23			
19	733.06	1,708	-53	13	0	40			
20	731.66	1,646	-62	9	0	40			
21	730.03	1,577	-69	5	0	40			
22	728.23	1,502	-75	2	0	40			
23	727.58	1,476	-26	27	0	40			
24	724.61	1,358	-118	1	0	60			
25	720.14	1,191	-167	-14	0	70			
26	714.86	1,011	-180	-21	0	70			
27	711.77	914	-97	-14	0	35			
28	712.18	926	+12	6	0	0			
29	712.57	938	+12	6	0	0			
30	712.82	946	+8	4	0	0			
TOTALS			-592	185	0	481			
ACRE-FEET			-592	367	0	954			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	0
OUTLET	954
TOTAL	954

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

Table 8

JUNE 2003

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: July 17, 2003

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)
		21,970								
1	585.78	22,997	+1,027	12,636	2,087	10,562	12,062	0	50	6
2	585.71	22,953	-44	13,020	2,698	10,468	12,984	0	50	8
3	584.96	22,482	-471	12,812	2,260	10,754	12,991	0	50	8
4	583.67	21,690	-792	12,729	1,967	10,598	13,070	0	50	8
5	583.01	21,289	-401	12,846	1,857	11,167	12,991	0	50	7
6	582.42	20,937	-352	12,974	1,912	11,215	13,096	0	50	5
7	582.44	20,949	+12	12,859	1,420	11,491	12,797	0	50	6
8	584.19	22,007	+1,058	13,555	2,805	10,929	12,965	0	50	7
9	584.77	22,365	+358	13,203	1,866	11,343	12,968	0	50	5
10	584.42	22,149	-216	12,892	2,011	11,927	12,943	0	50	8
11	583.22	21,417	-732	13,639	2,165	11,847	13,952	0	50	6
12	582.73	21,122	-295	13,814	1,893	12,245	13,907	0	50	6
13	582.45	20,955	-167	13,882	1,934	12,339	13,912	0	50	4
14	582.07	20,728	-227	13,891	2,016	12,297	13,949	0	50	6
15	581.64	20,475	-253	13,872	2,064	12,275	13,944	0	50	6
16	582.06	20,722	+247	14,137	2,058	12,060	13,956	0	50	6
17	582.35	20,895	+173	14,169	2,121	12,164	14,024	0	50	8
18	582.48	20,973	+78	14,051	1,951	12,405	13,955	0	50	7
19	583.15	21,374	+401	13,826	1,928	11,438	13,568	0	50	6
20	583.27	21,447	+73	13,179	1,892	9,425	13,087	0	50	5
21	584.16	21,989	+542	12,814	2,009	10,190	12,486	0	50	5
22	585.33	22,714	+725	12,441	1,778	10,905	12,016	0	50	9
23	584.00	21,890	-824	11,150	1,998	8,719	11,511	0	50	4
24	584.86	22,421	+531	11,827	2,321	8,933	11,504	0	50	5
25	585.65	22,915	+494	11,805	1,051	10,767	11,498	0	50	8
26	584.40	22,137	-778	11,170	1,050	10,217	11,505	0	50	7
27	582.95	21,253	-884	11,407	1,001	10,429	11,797	0	50	6
28	583.25	21,435	+182	12,180	1,011	10,928	12,031	0	50	7
29	583.69	21,702	+267	12,531	1,020	12,218	12,335	0	50	11
30	585.19	22,626	+924	12,931	1,027	12,268	12,409	0	50	6
TOTALS			+656	388,242	55,171	334,523	386,213	0	1,500	196
ACRE-FEET			+656	770,078	109,432	663,526	766,053	0	2,975	389

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

SUMMARY
 RELEASE (ACRE-FEET)

POWER	766,053
SPILL	0
FISH TRAP	2,975

JUNE 2003

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: July 17, 2003

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		3,909				
1	252.48	3,914	+5	53	952	14,430
2	252.50	3,924	+10	53	1,196	13,830
3	252.49	3,919	-5	66	1,022	14,480
4	252.50	3,924	+5	73	1,043	14,670
5	252.48	3,914	-10	88	1,136	14,670
6	252.51	3,928	+14	74	963	14,310
7	252.41	3,879	-49	80	591	14,790
8	252.56	3,953	+74	58	1,009	14,310
9	252.41	3,879	-74	43	563	14,790
10	252.49	3,919	+40	57	699	14,790
11	252.52	3,933	+14	69	957	14,190
12	252.53	3,938	+5	68	968	15,390
13	252.50	3,924	-14	45	955	15,510
14	252.42	3,884	-40	54	855	15,750
15	252.50	3,924	+40	51	897	15,630
16	252.49	3,919	-5	50	928	15,390
17	252.52	3,933	+14	65	867	14,790
18	252.53	3,938	+5	69	1,151	14,910
19	252.48	3,914	-24	63	1,116	15,030
20	252.53	3,938	+24	44	1,035	14,670
21	252.50	3,924	-14	55	972	13,830
22	252.47	3,909	-15	38	619	13,350
23	252.51	3,928	+19	32	822	12,990
24	252.50	3,924	-4	66	1,034	11,910
25	252.53	3,938	+14	93	940	11,550
26	252.54	3,943	+5	83	964	12,510
27	252.48	3,914	-29	66	1,020	12,230
28	252.50	3,924	+10	70	1,151	12,870
29	252.49	3,919	-5	61	1,261	13,110
30	252.51	3,928	+9	42	1,818	13,110
TOTALS			+19	1,829	29,504	423,790
ACRE-FEET			+19	3,628	58,521	840,587

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	3,628
TEHAMA-COLUSA CANAL	58,521
TO SACTO RIVER	840,587
TOTAL	902,736

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

JUNE 2003

Date	Midnight Elev (ft)	Storage 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	472.61	132328	172	522	370	154	211	5	129	0.5	0	96529	136200
2	472.63	132414	86	477	357	140	212	5	153	0.59	0	96193	136200
3	472.63	132414	0	426	368	147	221	0	116	0.45	0	96193	136200
4	472.58	132199	-215	330	382	151	231	0	111	0.43	0	96123	136200
5	472.52	131941	-258	323	408	166	238	4	90	0.35	0	96060	136200
6	472.44	131597	-344	287	420	168	247	5	80	0.31	0	96019	136200
7	472.35	131211	-386	268	421	174	242	5	82	0.32	0	95950	136200
8	472.28	130911	-300	286	396	161	230	5	82	0.32	0	95830	136200
9	472.21	130612	-299	256	364	155	204	5	85	0.33	0	95677	136200
10	472.16	130398	-214	243	316	141	170	5	69	0.27	0	95640	136200
11	472.09	130099	-299	195	303.5	109	191	3.5	84	0.33	0	95771	136200
12	471.97	129588	-511	123	350.5	129	217	4.5	59	0.23	0	95920	136200
13	471.83	128992	-596	93	355	142	208	5	76	0.3	0	96068	136200
14	471.69	128399	-593	98	357	150	202	5	79	0.31	0	96160	136200
15	471.54	127764	-635	103	372	160	207	5	101	0.4	0	96358	136200
16	471.38	127089	-675	98	383	164	214	5	109	0.43	0	96485	136200
17	471.22	126416	-673	94	381	165	215	1	103	0.41	0	96575	136200
18	471.06	125746	-670	83	379	156	223	0	83	0.33	0	96677	136200
19	470.89	125035	-711	60	379	147	228	4	78	0.31	0	96766	136200
20	470.72	124326	-709	64	381	160	216	5	80	0.32	0	96842	136200
21	470.57	123703	-623	58	331	151	175	5	82	0.33	0	96906	136200
22	470.42	123081	-622	51	317	146	166	5	94	0.38	0	96900	136200
23	470.25	122379	-702	44	328	138	185	5	139	0.56	0	96938	136200
24	470.07	121637	-742	29	345	148	192	5	116	0.47	0	97010	136200
25	469.9	120938	-699	82	370	157	208	5	128	0.52	0	97104	136200
26	469.72	120201	-737	61	370	163	202	5	125	0.51	0	97075	136200
27	469.53	119426	-775	40	376	169	202	5	108	0.44	0	97139	136200
28	469.35	118693	-733	59	365	161	199	5	127	0.52	0	97169	136200
29	469.16	117923	-770	51	383	160	218	5	112	0.46	0	97267	136200
30	468.95	117074	-849	30	405	158	242	5	106	0.44	0	97297	136200
Totals	(sfd)			4934	11033	4590	6316	127					
Totals	(ac-ft)		-15082	9787	21884	9104.3			2986				
Totals	(inches)									11.87	0		

[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

JUNE 2003

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: July 17, 2003

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	
		962.4									
1	465.00	965.8	+3.4	7,710	5,585	0	0	321	70	.19	.00
2	465.10	966.9	+1.1	7,395	5,548	828	0	328	129	.35	.00
3	465.01	965.9	-1.0	6,954	5,524	1,475	0	332	129	.35	.00
4	464.94	965.1	-0.8	7,186	5,580	1,535	0	334	129	.35	.00
5	464.88	964.5	-0.7	6,783	5,239	1,435	0	315	129	.35	.00
6	464.80	963.6	-0.9	6,379	5,661	745	0	317	103	.28	.00
7	464.79	963.5	-0.1	6,157	5,590	207	0	313	103	.28	.00
8	464.85	964.1	+0.7	6,319	5,571	0	0	314	99	.27	.00
9	464.83	963.9	-0.2	5,805	5,493	0	0	325	99	.27	.00
10	464.78	963.4	-0.6	5,547	5,401	0	0	307	118	.32	.00
11	464.91	964.8	+1.4	5,767	4,632	0	0	320	88	.24	.00
12	464.66	962.0	-2.8	3,949	4,924	0	0	298	125	.34	.00
13	464.44	959.6	-2.4	3,678	4,513	0	0	308	88	.24	.00
14	464.31	958.2	-1.4	3,661	3,944	0	0	337	106	.29	.00
15	464.10	955.8	-2.3	3,352	4,075	0	0	346	106	.29	.00
16	463.87	953.3	-2.5	3,356	4,171	0	0	350	117	.32	.00
17	463.78	952.3	-1.0	3,695	3,687	0	0	370	139	.38	.00
18	463.66	951.0	-1.3	2,946	3,125	0	0	357	132	.36	.00
19	463.50	949.2	-1.8	2,789	3,232	0	0	337	110	.30	.00
20	463.26	946.5	-2.6	2,296	3,179	0	0	339	113	.31	.00
21	462.94	943.0	-3.5	1,817	3,134	0	0	344	117	.32	.00
22	462.66	939.9	-3.1	2,037	3,139	0	0	345	102	.28	.00
23	462.32	936.2	-3.7	1,974	3,390	0	0	350	116	.32	.00
24	462.07	933.5	-2.7	2,278	3,220	0	0	336	105	.29	.00
25	461.85	931.1	-2.4	2,210	3,006	0	0	312	105	.29	.00
26	461.73	929.8	-1.3	2,372	2,561	0	0	326	145	.40	.00
27	461.75	930.0	+0.2	3,181	2,545	9	0	369	148	.41	.00
28	461.61	928.4	-1.5	2,319	2,582	0	0	366	141	.39	.00
29	461.35	925.6	-2.8	1,714	2,646	0	0	358	141	.39	.00
30	461.20	924.0	-1.6	2,284	2,621	0	0	352	137	.38	.00
TOTALS			-38.2	123,910	123,518	6,234	0	10,026	3,489	9.55	.00
ACRE-Feet			-38,200	245,775	244,998	12,365	0	19,887	6,920		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	244,998	OUTLET	0	THIS MONTH =	.00
SPILL	12,365	TOTAL	277,250	JULY 1, 2002 TO DATE =	20.67
PUMPING PLANT	19,887				

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

Table 12

JUNE 2003

LAKE NATOMA DAILY OPERATIONS

RUN DATE: July 17, 2003

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	
		7,760							
1	123.09	7,833	+73	5,568	45	4,917	507	60	2
2	123.34	7,951	+118	6,294	45	4,915	1,210	60	5
3	122.95	7,769	-182	6,970	45	4,914	2,038	60	5
4	123.25	7,909	+140	7,143	45	4,938	2,024	60	5
5	123.12	7,847	-62	6,775	45	4,934	1,762	60	5
6	123.69	8,115	+268	6,302	45	3,764	2,294	60	4
7	123.94	8,233	+118	5,809	45	4,932	709	60	4
8	124.03	8,276	+43	5,602	45	4,953	519	60	3
9	123.88	8,205	-71	5,536	45	4,946	518	60	3
10	124.13	8,326	+121	5,433	45	4,874	389	60	4
11	122.88	7,737	-589	4,741	45	4,930	0	60	3
12	123.05	7,815	+78	4,940	45	4,792	0	60	4
13	123.28	7,923	+108	4,468	45	4,306	0	60	3
14	122.52	7,575	-348	3,875	45	3,941	0	60	4
15	122.21	7,436	-139	3,967	45	3,928	0	60	4
16	122.71	7,661	+225	4,047	45	3,825	0	60	4
17	123.25	7,909	+248	3,543	45	3,308	0	60	5
18	123.05	7,815	-94	3,000	45	2,937	0	60	5
19	123.16	7,866	+51	3,079	45	2,944	0	60	4
20	123.15	7,862	-4	3,034	45	2,927	0	60	4
21	122.98	7,782	-80	3,007	45	2,938	0	60	4
22	122.77	7,688	-94	3,000	45	2,938	0	60	4
23	123.48	8,017	+329	3,218	45	2,943	0	60	4
24	123.31	7,937	-80	3,011	45	2,942	0	60	4
25	123.57	8,059	+122	2,974	45	2,803	0	60	4
26	123.66	8,101	+42	2,580	45	2,449	0	60	5
27	123.11	7,843	-258	2,441	45	1,429	1,032	60	5
28	123.11	7,843	+0	2,545	45	2,435	0	60	5
29	123.25	7,909	+66	2,575	45	2,432	0	60	5
30	123.32	7,941	+32	2,562	45	2,436	0	60	5
TOTALS			+181	128,039	1,350	111,670	13,002	1,800	125
ACRE-FEET			+181	253,965	2,678	221,497	25,789	3,570	248

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	221,497	FOLSOM SOUTH CANAL	2,678	TOTAL
SPILL	25,789	HATCHERY	3,570	253,534

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

JUNE 2003

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

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	
		1,459.4								
1	998.98	1,461.8	+2.4	3,475	2,205	0	0	74	.25	.00
2	999.23	1,464.1	+2.3	3,983	2,733	0	0	95	.32	.00
3	999.78	1,469.2	+5.0	4,370	1,707	0	0	122	.41	.00
4	1,000.33	1,474.2	+5.1	4,903	2,206	0	0	149	.50	.00
5	1,000.78	1,478.3	+4.1	4,534	2,342	0	0	104	.35	.00
6	1,001.23	1,482.5	+4.1	4,382	2,190	0	0	101	.34	.00
7	1,001.50	1,485.0	+2.5	3,836	2,483	0	0	96	.32	.00
8	1,001.78	1,487.6	+2.6	3,683	2,295	0	0	84	.28	.00
9	1,002.01	1,489.7	+2.1	3,473	2,315	0	0	87	.29	.00
10	1,002.14	1,490.9	+1.2	3,280	2,549	0	0	123	.41	.00
11	1,002.22	1,491.6	+0.7	2,976	2,518	0	0	84	.28	.00
12	1,002.19	1,491.4	-0.3	2,496	2,553	0	0	84	.28	.00
13	1,002.14	1,490.9	-0.5	2,394	2,549	0	0	78	.26	.00
14	1,002.05	1,490.1	-0.8	2,129	2,465	0	0	84	.28	.00
15	1,001.90	1,488.7	-1.4	2,015	2,616	0	0	99	.33	.00
16	1,001.76	1,487.4	-1.3	2,386	2,924	0	0	114	.38	.00
17	1,001.64	1,486.3	-1.1	2,182	2,636	0	0	105	.35	.00
18	1,001.44	1,484.4	-1.8	1,887	2,687	0	0	131	.44	.00
19	1,001.12	1,481.5	-3.0	1,599	3,002	0	0	87	.29	.00
20	1,000.89	1,479.4	-2.1	1,701	2,669	0	0	101	.34	.00
21	1,000.59	1,476.6	-2.8	1,470	2,760	0	0	101	.34	.00
22	1,000.30	1,473.9	-2.7	1,186	2,440	0	0	92	.31	.00
23	1,000.12	1,472.3	-1.7	2,232	2,969	0	0	98	.33	.00
24	999.50	1,466.6	-5.7	210	2,955	0	0	122	.41	.00
25	999.22	1,464.0	-2.6	1,240	2,436	0	0	98	.33	.00
26	998.94	1,461.5	-2.6	1,248	2,402	0	0	139	.47	.00
27	998.67	1,459.0	-2.5	1,348	2,452	0	0	139	.47	.00
28	998.27	1,455.3	-3.7	1,093	2,789	0	0	145	.49	.00
29	997.80	1,451.1	-4.3	1,015	3,034	0	0	141	.48	.00
30	997.38	1,447.2	-3.8	1,033	2,818	0	0	141	.48	.00
TOTALS			-12.6	73,759	76,699	0	0	3,218	10.81	.00
ACRE-FEET			-12,600	146,301	152,132	0	0	6,383		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	152,132	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	152,132	JULY 1, 2002 TO DATE =	24.20

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

JUNE 2003

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RELEASE - C.F.S.			
		ACRE-FEET	CHANGE		RES.	CHANGE	RIVER	CANALS
				RELEASE	OUTLET	SPILL	JOINT	SOUTH
							MAIN	MAIN
		571						
1	360.49	571	+0	2,387	0	1,000	884	397
2	360.52	573	+2	2,368	0	1,000	861	383
3	360.52	573	+0	2,297	0	1,000	788	388
4	360.49	571	-2	2,319	0	1,000	776	410
5	360.60	579	+8	2,386	0	1,060	798	410
6	360.60	579	+0	2,550	0	1,190	826	421
7	360.60	579	+0	2,551	0	1,190	830	431
8	360.60	579	+0	2,541	0	1,190	817	431
9	360.60	579	+0	2,537	0	1,190	820	431
10	360.60	579	+0	2,533	0	1,190	821	412
11	360.60	579	+0	2,593	0	1,200	901	372
12	360.60	579	+0	2,561	0	1,190	945	350
13	360.63	581	+2	2,672	0	1,220	948	367
14	360.63	581	+0	2,748	0	1,250	948	420
15	360.63	581	+0	2,724	0	1,250	937	420
16	360.63	581	+0	2,714	0	1,250	929	420
17	360.63	581	+0	2,719	0	1,260	926	420
18	360.63	581	+0	2,743	0	1,250	939	421
19	360.63	581	+0	2,738	0	1,260	961	421
20	360.63	581	+0	2,731	0	1,250	962	425
21	360.63	581	+0	2,759	0	1,250	982	442
22	360.63	581	+0	2,760	0	1,250	987	447
23	360.63	581	+0	2,734	0	1,260	981	425
24	360.63	581	+0	2,674	0	1,250	962	380
25	360.63	581	+0	2,644	0	1,250	941	363
26	360.63	581	+0	2,691	0	1,250	941	396
27	360.63	581	+0	2,774	0	1,250	971	413
28	360.63	581	+0	2,819	0	1,250	994	427
29	360.63	581	+0	2,833	0	1,250	999	455
30	360.27	556	-25	2,642	0	1,030	989	467
TOTALS			-15	78,742	0	35,680	27,364	12,365
ACRE-FEET			-15	156,185	0	70,771	54,276	24,526

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	54,276	OUTLET	0
SOUTH MAIN CANAL	24,526	SPILL	70,771
		TOTAL	149,573

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

JUNE 2003

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

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			
		490.4									
1	573.55	499.0	+8.6	7,947	979	2,384	0	185	56	.36	
2	575.46	508.2	+9.2	8,289	901	2,510	0	185	60	.38	
3	577.05	515.9	+7.7	8,548	949	3,416	0	225	63	.40	
4	578.19	521.5	+5.6	8,280	1,043	4,099	5	253	65	.41	
5	578.81	524.5	+3.1	8,115	1,060	4,697	504	253	62	.39	
6	578.88	524.9	+0.3	7,685	1,113	5,237	859	254	49	.31	
7	578.91	525.0	+0.1	7,694	1,121	5,203	976	254	65	.41	
8	578.75	524.2	-0.8	7,100	1,121	5,202	880	254	40	.25	
9	578.54	523.2	-1.0	6,714	1,121	5,200	602	253	59	.37	
10	578.14	521.2	-2.0	5,923	1,062	5,197	337	253	67	.42	
11	577.64	518.8	-2.5	5,136	1,029	5,022	9	253	59	.37	
12	576.96	515.4	-3.3	4,239	1,029	4,590	0	253	44	.28	
13	576.66	514.0	-1.5	4,315	962	3,763	0	253	73	.46	
14	576.60	513.7	-0.3	4,383	925	3,294	0	253	58	.37	
15	576.60	513.7	+0.0	4,496	911	3,280	0	253	52	.33	
16	576.55	513.4	-0.2	4,403	920	3,298	0	253	55	.35	
17	576.36	512.5	-0.9	4,264	970	3,447	0	253	60	.38	
18	576.07	511.1	-1.4	4,235	956	3,669	0	252	69	.44	
19	575.60	508.8	-2.3	3,900	1,062	3,662	0	252	71	.45	
20	575.15	506.7	-2.2	3,620	1,066	3,337	0	252	63	.40	
21	574.85	505.2	-1.4	3,538	955	3,007	0	251	55	.35	
22	574.51	503.6	-1.6	3,422	845	3,103	0	251	47	.30	
23	573.93	500.8	-2.8	3,087	835	3,365	0	251	42	.27	
24	573.57	499.1	-1.7	3,688	832	3,420	0	251	53	.34	
25	572.76	495.2	-3.9	2,656	820	3,487	0	251	48	.31	
26	572.05	491.8	-3.4	2,961	843	3,492	0	251	77	.50	
27	571.62	489.8	-2.0	3,360	850	3,216	0	251	69	.45	
28	571.19	487.7	-2.0	3,134	881	2,936	0	250	92	.60	
29	570.64	485.2	-2.6	2,845	830	2,998	0	250	73	.48	
30	570.24	483.3	-1.9	3,384	818	3,190	0	249	75	.49	
TOTALS			-7.1	151,361	28,809	112,721	4,172	7,402	1,821	11.62	.00
ACRE-FEET			-7,071	300,225	57,143	223,582	8,275	14,682	3,612		

COMMENTS:

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

SUMMARY			
RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS	RIVER	THIS MONTH =	
FRIANT-KERN	AT FRIANT	223,582	0.00
MADERA	TOTAL RELEASES	57,143	11.85
		303,682	
		JULY 1, 2002 TO DATE =	

Table 16

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

June 2003

Estimated numbers are in bold italic print

Date	DELTA INFLOW									NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport -prev day-	SRTP -prev wk-	Yolo + Misc -prev day-	East Side Streams -prev day-	S. Joaquin River@Vernalis -prev day-	7-day Average	Monthly Average	Total Delta Inflow	Clifton Court (CLT)		Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)	
1-Jun-03	28,143	240	0	2,304	2,187	2,103	2,176	32,874	3,050	6,678	4,386	191	126	86	11,214	10,069	18,610	22,038	18,610	33.3%	30.9%	30.2%	
2-Jun-03	28,150	238	0	2,169	2,176	2,105	2,171	32,733	3,100	6,589	4,389	197	66	89	11,198	11,033	18,435	20,977	18,523	33.3%	33.4%	33.5%	
3-Jun-03	28,061	236	0	1,921	2,166	2,113	2,149	32,384	3,150	6,620	4,426	207	118	99	11,234	11,029	18,001	19,772	18,349	33.7%	33.4%	33.9%	
4-Jun-03	28,253	235	0	1,690	2,104	2,125	2,119	32,282	3,200	6,674	4,448	206	101	100	11,326	11,048	17,755	18,867	18,200	34.1%	33.7%	34.2%	
5-Jun-03	27,637	233	0	1,504	2,031	2,128	2,109	31,405	3,250	6,680	4,448	211	95	95	11,340	11,098	16,815	18,274	17,923	35.1%	34.3%	34.6%	
6-Jun-03	27,877	231	0	1,279	2,070	2,122	2,111	31,457	3,300	6,615	4,507	213	100	93	11,328	11,124	16,829	17,830	17,741	35.0%	34.8%	34.8%	
7-Jun-03	27,585	229	0	1,054	2,120	2,134	2,134	30,988	3,350	6,352	4,483	213	50	87	11,084	11,028	16,554	17,571	17,571	34.8%	35.0%	34.6%	
8-Jun-03	26,644	228	0	913	2,268	2,158	2,161	30,053	3,400	5,995	4,442	215	50	94	10,695	10,798	15,958	17,192	17,370	34.6%	34.8%	34.0%	
9-Jun-03	25,752	226	0	885	2,350	2,192	2,187	29,213	3,450	6,673	4,412	210	237	92	11,149	10,785	14,614	16,647	17,063	37.1%	35.5%	34.0%	
10-Jun-03	25,636	228	0	870	2,402	2,225	2,202	29,136	3,500	6,670	4,407	207	83	106	11,307	10,866	14,328	16,122	16,790	37.7%	36.5%	34.4%	
11-Jun-03	25,901	229	0	781	2,334	2,259	2,208	29,245	3,550	6,191	4,400	214	68	100	10,836	10,917	14,859	15,708	16,614	36.0%	36.9%	34.7%	
12-Jun-03	25,331	231	0	723	2,271	2,276	2,207	28,556	3,600	6,357	4,393	203	74	96	10,975	10,806	13,981	15,303	16,395	37.4%	37.0%	34.6%	
13-Jun-03	24,636	233	0	671	2,186	2,284	2,204	27,726	3,650	6,286	4,424	207	107	88	10,898	10,684	13,178	14,782	16,148	38.2%	37.2%	34.5%	
14-Jun-03	24,229	235	0	698	2,177	2,275	2,204	27,339	3,700	5,798	4,357	200	101	94	10,349	10,539	13,290	14,315	15,943	36.8%	37.5%	34.4%	
15-Jun-03	23,375	236	0	1,060	2,207	2,275	2,214	26,878	3,750	5,794	4,363	201	101	96	10,353	10,341	12,775	13,861	15,732	37.4%	37.5%	34.2%	
16-Jun-03	22,262	238	0	1,331	2,348	2,274	2,225	26,179	3,800	6,597	4,365	210	38	88	11,222	10,425	11,157	13,367	15,446	41.7%	38.6%	35.1%	
17-Jun-03	21,905	237	0	1,339	2,395	2,276	2,233	25,876	3,850	6,589	4,408	201	85	110	11,223	10,706	10,803	12,863	15,173	42.2%	40.4%	36.6%	
18-Jun-03	21,441	236	0	1,337	2,351	2,282	2,237	25,365	3,900	6,640	4,369	206	124	100	11,192	10,990	10,273	12,208	14,901	42.9%	42.3%	38.2%	
19-Jun-03	20,643	235	0	1,319	2,313	2,287	2,236	24,510	3,950	5,606	4,450	227	100	97	10,281	10,688	10,279	11,679	14,658	40.6%	41.9%	37.8%	
20-Jun-03	19,981	234	0	1,322	2,220	2,286	2,233	23,757	4,000	6,471	4,427	229	77	94	11,144	10,655	8,613	11,027	14,355	45.5%	43.0%	38.4%	
21-Jun-03	19,354	233	0	1,313	2,166	2,279	2,229	23,066	4,050	6,360	4,418	229	76	94	11,026	10,578	7,990	10,270	14,052	46.4%	44.1%	39.0%	
22-Jun-03	18,952	232	0	1,294	2,159	2,258	2,228	22,637	4,100	6,675	4,407	226	76	93	11,325	10,919	7,212	9,475	13,741	48.6%	46.8%	41.1%	
23-Jun-03	18,191	231	0	1,291	2,202	2,232	2,227	21,915	4,100	6,679	4,371	227	92	98	11,284	10,970	6,531	8,814	13,428	50.0%	48.3%	42.1%	
24-Jun-03	17,078	231	0	1,295	2,216	2,213	2,227	20,820	4,150	5,791	4,340	147	79	95	10,294	10,754	6,376	8,182	13,134	48.3%	49.0%	42.2%	
25-Jun-03	16,605	231	0	1,281	2,213	2,195	2,225	20,330	4,200	3,999	4,395	195	77	102	8,615	9,859	7,515	7,788	12,909	40.9%	46.5%	39.7%	
26-Jun-03	16,191	231	0	1,266	2,189	2,190	2,224	19,877	4,200	3,492	4,389	254	59	110	8,185	8,802	7,492	7,390	12,701	39.3%	42.9%	36.3%	
27-Jun-03	15,045	231	0	1,287	2,183	2,199	2,224	18,746	4,250	3,482	4,395	259	55	113	8,195	8,051	6,301	7,060	12,464	41.7%	40.6%	34.2%	
28-Jun-03	15,239	231	0	1,311	2,232	2,211	2,225	19,013	4,250	3,471	4,402	273	50	114	8,210	7,877	6,553	6,854	12,253	41.1%	40.7%	34.3%	
29-Jun-03	17,396	231	0	1,308	2,244	2,225	2,227	21,179	4,300	4,460	4,391	274	50	111	9,185	8,201	7,694	6,923	12,096	41.6%	41.5%	36.4%	
30-Jun-03	18,658	231	0	1,334	2,295	2,236	2,229	22,518	4,300	6,674	4,342	274	68	109	11,331	9,247	6,887	6,974	11,922	48.6%	44.0%	41.6%	
Total	676,151	6,981	0	38,150	66,775	66,418	65,987	788,057	112,400	178,959	132,155	6,524	2,583	2,944	317,999	310,887	357,658	400,135	462,205	1194.3%	1179.1%	1083.3%	
Average	22,538	233	0	1,272	2,226	2,214	2,200	26,269	3,747	5,965	4,405	217	86	98	10,600	10,363	11,922	13,338	15,922	39.8%	39.3%	36.1%	

JUNE 2003

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

RUN DATE: July 17, 2003

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	
		1,428,330									
1	492.77	1,425,515	-2,815	0	1,025	205	0	-189	189	.52	.00
2	492.60	1,423,602	-1,913	0	712	216	0	-36	207	.57	.00
3	492.14	1,418,429	-5,173	0	2,211	249	0	-148	229	.63	.00
4	491.93	1,416,070	-2,359	3,351	3,651	267	0	-622	171	.47	.00
5	491.77	1,414,273	-1,797	3,978	4,340	265	0	-280	182	.50	.00
6	491.03	1,405,974	-8,299	0	4,253	263	0	+332	170	.47	.00
7	490.58	1,400,935	-5,039	542	2,925	265	0	+107	177	.49	.00
8	490.50	1,400,040	-895	0	0	233	0	-218	188	.52	.00
9	490.08	1,395,344	-4,696	633	2,726	225	0	-48	184	.51	.00
10	489.85	1,392,774	-2,570	1,451	2,263	262	0	-222	170	.47	.00
11	489.89	1,393,221	+447	4,401	3,785	261	0	-130	162	.45	.00
12	489.34	1,387,082	-6,139	1,419	4,047	255	0	-212	155	.43	.00
13	488.54	1,378,169	-8,913	722	5,210	243	0	+237	169	.47	.00
14	487.78	1,369,719	-8,450	2,354	6,481	263	0	+130	180	.50	.00
15	487.50	1,366,611	-3,108	0	1,403	61	0	-103	197	.55	.00
16	486.61	1,356,746	-9,865	1,906	6,191	102	0	-586	197	.55	.00
17	486.19	1,352,099	-4,647	1,983	4,457	213	0	+344	228	.64	.00
18	485.51	1,344,587	-7,512	1,669	4,959	266	0	-232	232	.65	.00
19	484.85	1,334,005	-10,582	0	4,873	266	0	-196	196	.55	.00
20	483.65	1,324,110	-9,895	0	4,570	252	0	-167	167	.47	.00
21	482.65	1,313,144	-10,966	0	5,082	269	0	-178	178	.50	.00
22	481.84	1,304,284	-8,860	0	4,198	286	0	+17	170	.48	.00
23	480.75	1,292,393	-11,891	0	5,697	249	0	-49	194	.55	.00
24	480.57	1,290,433	-1,960	1,124	1,601	275	0	-236	159	.45	.00
25	479.57	1,279,562	-10,871	0	5,340	243	0	+102	158	.45	.00
26	478.31	1,265,907	-13,655	0	6,715	279	0	+109	179	.51	.00
27	476.84	1,250,038	-15,869	0	7,525	280	0	-195	195	.56	.00
28	475.37	1,234,221	-15,817	0	7,379	324	0	-271	271	.78	.00
29	474.69	1,226,940	-7,281	0	3,082	308	0	-281	281	.81	.00
30	473.82	1,217,645	-9,295	0	4,235	243	0	-208	208	.60	.00
TOTALS			-210,685	25,533	120,936	7,388	0	-3,429	5,743	16.10	.00
ACRE-FEET			-210,685	50,645	239,877	14,654	0	-6,801	11,391		

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	239,877	SPILL	0	THIS MONTH =	.00
PACHECO TUNNEL	14,654	TOTAL	254,531	JULY 1, 2002 TO DATE =	9.15

JUNE 2003

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

RUN DATE: July 17, 2003

DAY	ELEV	STORAGE		INFLOW - C.F.S.			RELEASE - C.F.S.			* DELIV.	GAINS(+) OR LOSS(-) C.F.S.
		IN LAKE	ACRE-Feet CHANGE	O'NEILL PUMPING	S. LUIS GEN.	CALIF. AQUEDUCT	O'NEILL GEN.	S. LUIS PUMPING	DOS AMIGOS PUMPING		
		40,305									
1	218.80	40,077	-228	1,418	1,025	5,891	0	0	8,916		+468
2	219.40	41,605	+1,528	1,340	712	6,148	0	0	7,602		+173
3	220.00	43,152	+1,547	1,282	2,211	5,543	0	0	8,137		-119
4	219.93	42,971	-181	1,224	3,651	5,920	0	3,351	7,780		+245
5	219.29	41,323	-1,648	1,213	4,340	6,022	0	3,978	8,653		+226
6	221.22	46,338	+5,015	1,205	4,253	5,884	0	0	8,936		+123
7	222.12	48,703	+2,365	1,198	2,925	5,924	0	542	8,411		+99
8	220.50	44,453	-4,250	1,196	0	6,042	0	0	9,309		-73
9	221.41	46,836	+2,383	1,058	2,726	5,524	0	633	7,625		+151
10	221.45	46,941	+105	988	2,263	6,086	0	1,451	8,012		+178
11	219.84	42,738	-4,203	816	3,785	5,905	0	4,401	8,586		+362
12	220.02	43,204	+466	599	4,047	5,236	0	1,419	8,630		+402
13	220.99	45,734	+2,530	485	5,210	5,311	0	722	9,190		+182
14	221.55	47,204	+1,470	485	6,481	5,086	0	2,354	9,242		+285
15	219.89	42,867	-4,337	715	1,403	5,291	0	0	9,822		+227
16	221.74	47,703	+4,836	761	6,191	5,539	0	1,906	8,239		+93
17	220.76	45,132	-2,571	525	4,457	5,774	115	1,983	9,961		+7
18	220.80	45,237	+105	478	4,959	6,051	197	1,669	10,323		+754
19	220.00	43,152	-2,085	173	4,873	5,230	77	0	11,564		+313
20	220.10	43,411	+259	275	4,570	5,756	0	0	10,759		+288
21	220.90	45,498	+2,087	406	5,082	5,860	0	0	10,746		+450
22	220.58	44,661	-837	401	4,198	5,891	0	0	11,017		+105
23	222.51	49,740	+5,079	718	5,697	5,961	0	0	10,076		+261
24	220.82	45,289	-4,451	861	1,601	5,671	0	1,124	9,578		+325
25	220.59	44,688	-601	575	5,340	3,501	0	0	9,802		+83
26	220.37	44,114	-574	521	6,715	2,578	160	0	9,903		-40
27	221.50	47,073	+2,959	528	7,525	3,075	236	0	9,681		+281
28	222.44	49,554	+2,481	524	7,379	2,658	301	0	9,299		+289
29	220.38	44,140	-5,414	546	3,082	3,814	319	0	10,617		+764
30	221.61	47,362	+3,222	551	4,235	5,620	333	0	8,718		+1,294
TOTALS			+7,057	23,065	120,936	158,792	1,738	25,533	279,134		+8,196
ACRE-Feet			+7,057	45,749	239,877	314,964	3,447	50,645	553,662	2,032	16,257

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

**SUMMARY
RELEASE (ACRE-Feet)**

O'NEILL GEN.	3,447	DOS AMIGOS PUMP	553,662		
SAN LUIS PUMP	50,645	DELIVERIES	2,032	TOTAL	609,786

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

Table 19

JUNE 2003

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: July 17, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	PUMPING		GENER	PUMPING		GENERATION		FED	STATE		TOTAL	FED	STATE	TOTAL
1	11,684	0	11,684	2,812	0	2,812	0	0	0	0	2,033	2,033	407	2,413	15,272	17,685	
2	12,194	0	12,194	2,657	0	2,657	0	0	0	0	1,413	1,413	429	2,364	12,715	15,079	
3	10,995	0	10,995	2,542	0	2,542	0	0	0	0	4,386	4,386	493	2,412	13,727	16,139	
4	11,742	0	11,742	2,428	0	2,428	0	0	6,646	6,646	0	7,241	7,241	530	2,352	13,079	15,431
5	11,945	0	11,945	2,405	0	2,405	0	0	7,891	7,891	0	8,608	8,608	525	2,361	14,802	17,163
6	11,671	0	11,671	2,390	0	2,390	0	0	0	0	8,436	8,436	522	2,385	15,340	17,725	
7	11,750	0	11,750	2,376	0	2,376	0	0	1,076	1,076	0	5,802	5,802	525	2,425	14,259	16,684
8	11,985	0	11,985	2,373	0	2,373	0	0	0	0	0	0	462	2,398	16,066	18,464	
9	10,957	0	10,957	2,098	0	2,098	0	0	1,255	1,255	1,409	3,999	5,408	447	2,402	12,722	15,124
10	12,072	0	12,072	1,960	0	1,960	0	0	2,879	2,879	0	4,489	4,489	520	2,397	13,494	15,891
11	11,713	0	11,713	1,619	0	1,619	0	0	8,730	8,730	0	7,508	7,508	517	2,363	14,668	17,031
12	10,386	0	10,386	1,188	0	1,188	0	0	2,814	2,814	0	8,027	8,027	505	2,440	14,678	17,118
13	10,534	0	10,534	962	0	962	0	0	1,433	1,433	3,287	7,048	10,335	481	2,417	15,812	18,229
14	10,089	0	10,089	962	0	962	0	0	4,670	4,670	0	12,855	12,855	522	2,438	15,893	18,331
15	10,495	0	10,495	1,418	0	1,418	0	0	0	0	0	2,782	2,782	121	2,486	16,996	19,482
16	10,987	0	10,987	1,509	0	1,509	0	0	3,780	3,780	4,563	7,716	12,279	203	2,433	13,910	16,343
17	11,453	0	11,453	1,042	0	1,042	229	0	3,934	3,934	0	8,841	8,841	423	2,409	17,348	19,757
18	12,002	0	12,002	948	0	948	390	0	3,311	3,311	0	9,836	9,836	527	2,419	18,057	20,476
19	10,374	0	10,374	343	0	343	152	0	0	0	2,646	7,020	9,666	527	3,002	19,935	22,937
20	11,417	0	11,417	545	0	545	0	0	0	0	4,406	4,659	9,065	499	2,991	18,349	21,340
21	11,623	0	11,623	805	0	805	0	0	0	0	4,407	5,673	10,080	533	2,989	18,325	21,314
22	11,684	0	11,684	796	0	796	0	0	0	0	8,326	8,326	567	2,940	18,912	21,852	
23	11,824	0	11,824	1,424	0	1,424	0	0	0	0	4,059	7,241	11,300	494	3,035	16,951	19,986
24	11,249	0	11,249	1,708	0	1,708	0	0	2,230	2,230	0	3,176	3,176	546	6,583	12,415	18,998
25	6,945	0	6,945	1,141	0	1,141	0	0	0	0	4,715	5,876	10,591	482	6,516	12,927	19,443
26	5,113	0	5,113	1,033	0	1,033	317	0	0	0	7,067	6,252	13,319	553	7,709	11,933	19,642
27	6,099	0	6,099	1,047	0	1,047	469	0	0	0	8,986	5,940	14,926	556	7,753	11,449	19,202
28	5,273	0	5,273	1,040	0	1,040	598	0	0	0	8,642	5,995	14,637	642	7,812	10,632	18,444
29	7,566	0	7,566	1,082	0	1,082	632	0	0	0	3,960	2,153	6,113	611	7,905	13,153	21,058
30	11,148	0	11,148	1,093	0	1,093	661	0	0	0	8,520	-120	8,400	482	7,705	9,588	17,293

AQUEDUCT CHECK 12	O'NEILL PUMPING		O'NEILL GENERATION		SAN LUIS PUMPING		SAN LUIS GENERATION		PACHECO PUMPING	DOS AMIGOS			
TOTAL	314,969	TOTAL	45,746	TOTAL	3,448	TOTAL	50,649	TOTAL	239,878	TOTAL	14,651	TOTAL	553,661
FEDERAL	0	FEDERAL	45,746			FEDERAL	0	FEDERAL	66,667			FEDERAL	110,254
STATE	314,969	STATE	0			STATE	50,649	STATE	173,211			STATE	443,407
												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

JUNE 2003

FEDERAL-STATE OPERATIONS

RUN DATE: July 17, 2003

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS BYRON			AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	BETHANY TOTAL	STATE	FED	TOTAL		
1	8,699	0	8,699	13,245	13,383	0	13,383	0	0	250	13,030	0	13,030	5,887	
2	8,706	0	8,706	13,070	12,853	0	12,853	0	0	131	10,909	0	10,909	6,049	
3	8,778	0	8,778	13,131	12,853	0	12,853	0	0	235	11,521	0	11,521	6,236	
4	8,822	0	8,822	13,237	12,843	0	12,843	0	0	200	11,611	0	11,611	6,394	
5	8,823	0	8,823	13,249	12,975	0	12,975	0	0	188	10,814	0	10,814	6,418	
6	8,940	0	8,940	13,121	13,094	0	13,094	0	0	199	12,388	0	12,388	6,550	
7	8,892	0	8,892	12,599	13,102	0	13,102	0	0	100	12,046	0	12,046	6,516	
8	8,810	0	8,810	11,891	11,985	0	11,985	0	0	100	13,323	0	13,323	6,437	
9	8,751	0	8,751	13,235	12,894	0	12,894	0	0	470	9,241	0	9,241	6,653	
10	8,742	0	8,742	13,229	12,979	0	12,979	0	0	164	11,253	0	11,253	6,782	
11	8,727	0	8,727	12,279	12,533	0	12,533	0	0	134	11,613	0	11,613	7,108	
12	8,714	0	8,714	12,610	11,989	0	11,989	0	0	147	10,409	0	10,409	7,526	
13	8,775	0	8,775	12,469	11,955	0	11,955	0	0	213	11,344	0	11,344	7,813	
14	8,642	0	8,642	11,501	11,344	0	11,344	0	0	200	11,967	0	11,967	7,680	
15	8,655	0	8,655	11,492	11,507	0	11,507	0	0	200	13,155	0	13,155	7,237	
16	8,658	0	8,658	13,086	12,989	0	12,989	0	0	75	10,760	0	10,760	7,149	
17	8,743	0	8,743	13,070	13,031	0	13,031	0	0	169	13,634	0	13,634	7,930	
18	8,666	0	8,666	13,171	12,926	0	12,926	0	0	245	14,033	0	14,033	8,108	
19	8,827	0	8,827	11,120	11,567	0	11,567	0	0	198	14,695	0	14,695	8,636	
20	8,781	0	8,781	12,835	12,897	0	12,897	0	0	153	14,943	0	14,943	8,236	
21	8,763	0	8,763	12,616	13,069	0	13,069	0	0	150	15,250	0	15,250	7,958	
22	8,741	0	8,741	13,239	13,110	0	13,110	0	0	150	16,864	0	16,864	7,945	
23	8,670	0	8,670	13,248	12,764	0	12,764	0	0	183	13,879	0	13,879	7,246	
24	8,609	0	8,609	11,487	12,512	0	12,512	0	0	157	13,442	0	13,442	6,901	
25	8,718	0	8,718	7,933	7,695	0	7,695	0	0	152	13,416	0	13,416	7,577	
26	8,705	0	8,705	6,926	6,658	0	6,658	0	0	118	13,602	0	13,602	7,989	
27	8,718	0	8,718	6,907	6,691	0	6,691	0	0	109	12,692	0	12,692	8,140	
28	8,732	0	8,732	6,885	6,763	0	6,763	0	0	100	13,513	0	13,513	8,290	
29	8,709	0	8,709	8,847	8,726	0	8,726	0	0	100	15,631	0	15,631	8,259	
30	8,613	0	8,613	13,237	13,146	0	13,146	0	0	134	11,790	0	11,790	8,181	
TOTALS	262,129	0	262,129	354,965	352,833	0	352,833	0	0	5,124	382,768	0	382,768	219,831	

COMMENTS: ALL VALUES IN ACRE-FEET

Table 22

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

**Friant-Kern Canal
2003**

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	114							0
Arvin-Edison WSD	1707	2374	0	20465	51429	17279							93254
Atwell Island WD	0	0	0	0	0	0							0
Delano-Earlimart ID	0	2960	3771	7150	15362	25234							54477
Exeter ID	0	10	79	136	679	2025							2929
City of Fresno	0	837	4	7	15	0							863
County of Fresno SA #34	4	3	20	15	48	79							169
Fresno ID	0	0	0	0	67	169							236
Garfield WD	0	0	61	174	278	491							1004
Hills Valley ID	0	0	17	33	404	699							1153
International WD	25	53	0	89	64	252							483
Ivanhoe ID	0	0	0	952	2513	1341							4806
Kaweah Delta WCD	0	0	0	0	0	386							386
Kern County Water Agency	0	0	0	0	0	0							0
Kern-Tulare WD	0	0	1715	1734	978	4247							8674
Kings County WD	0	0	0	0	0	376							376
Kings River CD	0	0	0	0	0	3457							3457
Lewis Creek WD	0	0	0	0	0	0							0
Lindmore ID	0	0	129	828	2989	7697							11643
City of Lindsay	0	45	168	162	257	214							846
Lindsay-Strathmore ID	5	117	0	0	0	2423							2545
Wutchumna (Lindsey-Strathmore non-proje	0	0	202	723	1944	1179							4048
Lower Tule River ID	0	0	0	10194	35532	36555							82281
North-Kern WSD	0	0	0	0	0	0							0
City of Orange Cove	70	71	86	100	145	191							663
Orange Cove ID	0	0	75	258	2910	5423							8666
Pixley ID	0	0	0	2342	9571	13482							25395
Porterville ID	0	0	0	1284	2518	3567							7369
Rag Gulch WD	0	320	684	989	2690	1850							6533
Rosedale Rio Bravo WSD	0	0	0	2582	21803	872							25257
Saucelito ID	0	321	1840	2232	4822	6896							16111
Semitropic WSD	0	0	0	0	0	0							0
Shafter Wasco ID	541	5629	3670	3579	7988	11240							32647
Southern San Joaquin MUD	0	5260	5151	7096	13274	20789							51570
Smallwood Vineyards	0	0	33	62	72	113							280
Stone Corral ID	0	0	9	232	780	1614							2635
Strathmore PUD	0	19	19	19	34	42							133
Styro Tek, Inc.	0	0	1	0	1	0							2
Tea Pot Dome WD	0	0	0	160	495	1039							1694
Terra Bella ID	0	0	125	449	1538	3178							5290
Tri-Valley WD	0	0	0	0	25	232							257
Tulare ID	0	2692	0	11459	28428	31717							74296
	0	0	0	0	0	10270							10270
Total	2352	20711	17859	75505	209653	216732	0	0	0	0	0	0	542698

* 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
2003**

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	4856	15650	20807							41313
Madera ID	0	0	0	4679	25629	33684							63992
Soquel	0	0	0	0	0	0							0
Total	0	0	0	9535	41279	54491	0	0	0	0	0	0	105305
MILLERTON LAKE													
County of Madera	1	2	3	3	5	7							21
Fresno County # 18	5	5	7	8	14	20							59
Gravelly Ford WD	0	2	345	1146	740	1288							3521
Total	6	9	355	1157	759	1315	0	0	0	0	0	0	3601

* 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
2003

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	0	224	373	327							924
Broadview WD	1013	1646	930	480	661	2868							7598
CCID (Abv CK 13)	240	139	1108	748	2222	2124							6581
CCID (Blw CK 13)	0	1347	4429	664	9983	13860							30283
Centinella WD	0	0	0	0	0	0							0
China Island (76.05)	0	1043	833	426	365	0							2667
Del Puerto WD	151	1735	3527	7750	11081	15094							39338
DWR Intertie @MP7.70-R	0	0	0	0	0	0							0
Eagle Field WD	59	425	142	50	11	548							1235
Firebaugh Canal	2202	5784	1170	454	924	6816							17350
Frietas Unit (76.05L)	0	1078	1258	835	795	0							3966
Mercy Springs WD	0	156	57	249	136	309							907
Oro Loma WD	0	281	0	0	0	277							558
Panoche WD - Ag	422	660	351	232	303	1156							3124
Panoche WD - M&I	2	3	2	3	2	3							15
Patterson WD	0	209	354	336	866	1059							2824
Plainview WD	19	48	211	367	464	476							1585
Salt Slough Unit (76.05L)	0	926	992	723	1021	0							3662
San Luis WD - Ag	38	1841	812	818	797	2128							6434
San Luis WD - M&I	1	1	3	3	12	35							55
Tracy, City of	104	361	571	720	958	1187							3901
West Side ID	0	0	0	0	0	22							22
Widren	0	54	0	0	0	16							70
W. Stanislaus ID	0	556	1600	4081	4160	4951							15348
F&G - Los Banos Ref. 76.05L	0	1068	1168	538	1044	393							4211
Volta Wildlife Mgmt Area (F&G)	109	17	127	195	330	158							936
Grasslands WD -76.05L	5851	3441	1085	725	7580	6214							24896
Grasslands WD - Volta	1286	1253	1139	0	1406	336							5420
F&S (Volta) Santa Fee Kest.	0	0	0	0	0	0							0
F&S - Kesterson 76.05L	0	665	819	512	778	0							2774
Total DMC Deliveries	11497	24737	22688	21133	46272	60357	0	0	0	0	0	0	186684
Oneill Net Pumped	222449	122252	167000	34494	(53271)	42298							535222
DMC plus Oneill	233946	146989	189688	55627	(6999)	102655	0	0	0	0	0	0	721906

* 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
2003**

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	183	166	190	191	244	284							1075
Broadview WD	4	1	0	2	1	4							8
City of Coalinga	310	423	197	501	540	899							2560
City of Dos Palos	62	68	78	95	141	173							555
City of Huron	43	50	64	90	83	104							391
Pacheco WD	225	399	179	126	1	1271							1976
Pacheco CCID Non-project (Hamburg)	457	984	537	0	1174	1615							4767
Panoche WD	3032	6457	3102	4068	4763	8981							30403
San Luis WD	1677	5012	4798	5688	6803	11505							35483
Westlands WD (Federal)	54952	72952	62666	74922	91722	171127							528341
Phase I (Non-chargeable)	1	5	0	0	0	3							9
Fish & Game (Lateral 4)	1	0	1	1	2	2							7
Fish & Game (Lateral 6)	0	0	0	0	0	0							0
Total	60947	86517	71812	85684	105474	195968	0	0	0	0	0	0	606402
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	40	25	69	2	99	111							346
San Luis WD Ag	32	690	582	975	1202	1852							5333
San Luis M&I	37	32	21	33	61	69							253
VA Cemetary	1	4	3	4	7	9							28
Total	110	751	675	1014	1369	2041	0	0	0	0	0	0	5960
CROSS VALLEY CANAL													
County of Fresno	0	0	0	216	0	0							216
County of Tulare	0	0	0	383	0	0							383
Lower Tule River ID	0	0	0	0	0	0							0
Pixley ID	0	0	0	0	0	0							0
Kern-Tulare WD	0	0	0	1075	0	0							1075
Rag Gulch WD	0	0	0	358	0	0							358
Hills-Valey ID	0	0	0	242	0	0							242
Tri-Valley ID	0	0	0	82	0	0							82
Total	0	0	0	2356	0	0	0	0	0	0	0	0	2356
SAN FELIPE DIVISION													
Santa Clara	3970	1985	6652	9606	9644	10827							42684
San Benito	254	1407	623	397	1139	3824							7644
Total	4224	3392	7275	10003	10783	14651	0	0	0	0	0	0	50328

* 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 27

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

**Tehama-Colusa Canal
 2003**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Colusa County WD	73	120	1053	2479	5279	12355							21359
Cortina WD	0	0	0	37	100	272							409
Davis WD	0	2	17	339	126	401							885
Dunnigan WD	8	22	133	455	1334	3237							5189
4-M Water District	0	3	7	85	225	305							625
GCID	0	43	960	2135	3319	4905							11362
Glenn Valley WD	0	0	0	0	32	73							105
Glide WD	0	8	9	269	2498	3177							5961
Holthouse WD	0	7	24	109	329	403							872
Kanawha WD	3	27	146	737	2470	7036							10419
Kirkwood WD	0	0	0	0	36	111							147
La Grande WD	0	0	0	624	1247	1427							3298
Myers-Marsh MWC	0	0	25	47	149	261							482
Orland-Artois WD	14	120	29	518	6581	13098							20360
Westside WD	0	40	453	2326	4180	9425							16424
Total	98	392	2856	10160	27905	56486	0	0	0	0	0	0	97897

Data supplied by Willows Field Division, Water and Land Division

Table 28

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

Water Users	Sacramento River												Total
	2003												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
A&F Boeger Corp & Thunder Farms	0	0	0	207	363	304							874
Anderson Cottonwood ID	0	0	0	6184	14829	19488							40501
Andreotti, Arthur, et al	0	0	0	0	400	707							1107
Baber, Jack, et	0	0	0	0	228	680							908
A&R Farms (Odysseus)	0	0	0	0	15	5							20
Cannel, Fred	0	0	0	0	10	308							318
Carter, Jane	0	0	0	0	142	554							696
Colusa Prop. Inc	0	0	0	0	10	1							11
Conaway Conservancy Group	0	0	0	0	3815	66							3881
Davis, Olive P, et al	0	0	0	1312	5674	6							6992
Deseret Farms of Calif	0	0	0	0	45	287							332
Dommer, Elizabeth	0	0	0	0	0	2							2
Forry, David G, et al	0	0	0	0	112	242							354
Forster, Rosemary	0	0	0	0	474	330							804
Furlan Joint Venture (Area #1)	0	0	0	0	0	49							49
Furlan Joint Venture (Area #2)	0	0	0	0	0	0							0
Glenn-Colusa ID	0	0	0	44780	126973	137584							309337
Griffin, J, et al	0	0	0	0	429	550							979
Henle Family Limited Partnership	0	0	0	14	115	215							344
Hershey Land Co	0	0	0	0	100	219							319
Hiatt, Glenn	0	0	0	0	28	303							331
Hollins, Mariette B	0	0	0	7	194	178							379
Howald Farms	0	0	0	0	106	223							329
King, Barbara	0	0	0	0	0	2							2
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	0	0							0
Lockett, William P.	0	0	0	0	0	2							2
Loma Cold Storage/J Micheli	0	0	0	18	1031	1556							2605
M&T Inc.	0	0	0	0	862	1003							1865
MCM Properties, Inc	0	0	0	0	0	60							60
Maxwell ID	0	0	0	239	399	110							748
Meridan Farms WC	0	0	0	183	2959	2992							6134
Natomas Central MWC	0	0	0	1290	12566	16459							30315
O'Brien, Janice	0	0	0	0	87	277							364
Oji Bros. Farms Inc	0	0	0	129	346	674							1149
Oji, Mitsue Family PTN	0	0	0	0	278	1045							1323
Pelger Mutual WC	0	0	0	98	1413	1330							2841
Pleasant Grove-Verona MWC	0	0	0	0	1966	3217							5183
Princeton,-Codora-Glenn ID	0	0	0	2992	11804	11486							26282
Provident Irrigation District	0	0	0	3210	12461	11187							26858
Reclamation Dist #108	0	0	0	2087	26250	31745							60082
Reclamation Dist #1004	0	0	0	943	9726	10597							21266
Reynen, John, et al	0	0	0	0	807	976							1783
River Garden Farms	0	0	0	396	4160	4473							9029
Roberts Ditch Irrigation Co	0	0	0	0	368	765							1133
Sartain Mutual WC	0	0	0	0	276	462							738
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	0	2	69							71
Spence, Ruth Ann	0	0	0	0	0	0							0
Sutter Mutual WC	0	0	0	3787	28891	38509							71187
Swinford Tract Irrigation Co	0	0	0	0	0	0							0
Tarke, James, et al	0	0	0	0	184	328							512
Tisdale Irrigation & Drain	0	0	0	45	1096	1991							3132
Wallace Construction, Inc.	0	0	0	0	0	0							0
Wells, Joyce M	0	0	0	8	210	237							455
Wilson Ranch Partnership	0	0	0	0	0	0							0
Windswept Land & Livestock Co.	0	0	0	0	75	412							487
Total	0	0	0	67929	272279	304265							644473

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

Table 29

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

**Sacramento-San Joaquin Valley - Streamflow Data
2003**

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sacramento River												
Shasta computed inflow	17179	8836	11080	13642	13087	5613						
At Keswick	13500	9498	4232	7639	16172	12924						
At Bend Bridge	25382	13674	12271	12384	22852	14627						
At Vina Bridge	38278	17020	11719	14887	26386	15700						
At Ord Ferry	35335	15687	12185	14171	24485	12350						
At Colusa	30523	17735	12519	13086	21861	11352						
Below Wilkins Slough	24623	17618	12638	12632	18827	10231						
At Verona	46013	29817	20277	19263	35128	18772						
Sacramento at "I" Street	49929	33707	22335	20590	39805	22640						
Miscellaneous Stations												
Folsom computed inflow	3942	3227	3683	5851	8030	4130						
American R at Nimbus Dam	2626	4300	2019	2043	5621	4216						
Kings River at Pine Flat	111	94	401	706	2069	6585						
San Joaquin River												
At Friant Dam	104	103	114	146	162	386						
Near Vernalis	2211	2198	2191	2573	2569	2109						
Putah Creek												
Berryessa computed inflow	1328	564	736	750	473	28						
Putah Creek - Lake Solano	26	195	337	281	481	43						
Stanislaus River												
New Melones computed inflow	1068	962	1143	1710	2529							
At Tulloch Dam	305	533	1123	1697	1941	2625						
At Orange Blossom	212	539	454	726	695	1046						

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