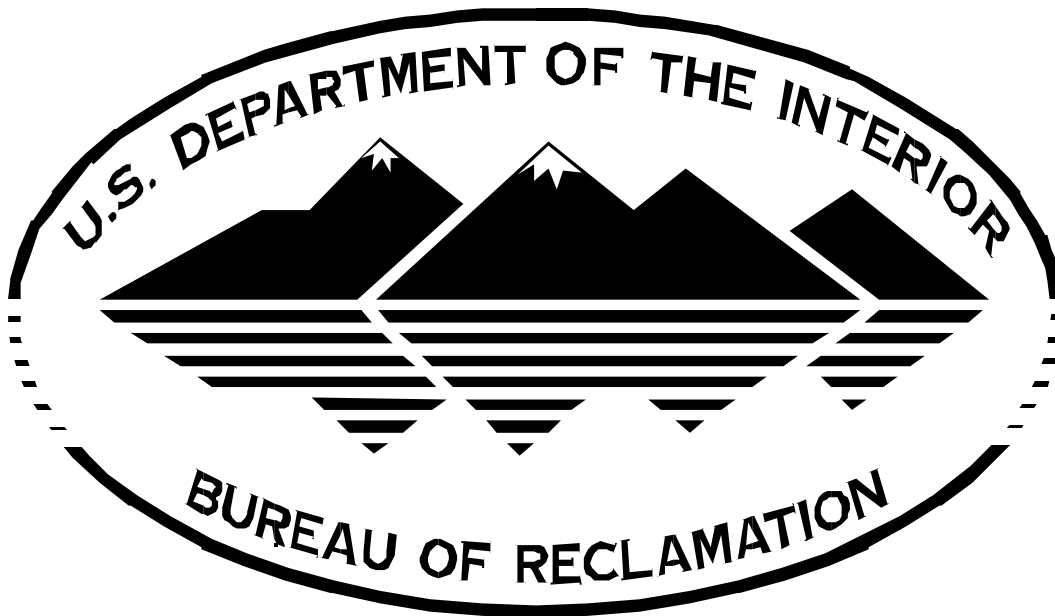


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



July 2003

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INDEX

	<u>Page Number</u>
Summary of July 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 JULY 2003 OPERATIONS

Sacramento had an average monthly temperature of 81.6 °F which was 4.2 °F above normal. The average temperature at Shasta Dam was 84.8 °F which was 3.6 °F above normal and Huntington Lake was 9.9 °F above normal with an average temperature of 70.6 °F.

Trinity System: Storage in Trinity Lake decreased 114,700 acre-feet this month to 2,252,000 acre-feet, which is 92 percent of capacity and 124 percent of the 15 year average for this date. The total inflow for the month was 56,738 acre-feet. The Trinity River release ranged between 450 to 2,000 ft³/s. Whiskeytown Lake was operated between elevations 1208.60 feet and 1209.18 feet with an end-of-month storage of 238,100 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 90 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 98,380 acre-feet.

Shasta-Keswick: Storage in Shasta Lake decreased 540,900 acre-feet for an end-of-month storage of 3,547,200 acre-feet, which is 78 percent of capacity and 115 percent of the 15 year average. The total inflow for the month was 247,045 acre-feet. The release to the Sacramento River at Keswick ranged between 11,500 and 15,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 123,700 acre-feet and had an end-of-month storage of 800,100 acre-feet, which is 82 percent of capacity and 131 percent of the 15 year average for this date. The total inflow for the month was 119,159 acre-feet. The release to the American River at Nimbus ranged between 2,500 and 4,500 ft³/s during the month.

New Melones: Storage in New Melones decreased 78,600 acre-feet for an end-of-month storage of 1,368,800 acre-feet or 57 percent of capacity and 106 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 300 to 650 ft³/s for the month. The total inflow for the month was 59,108 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on July 31, 2003, was 396,000 acre-feet compared to the storage a year ago of 247,000 acre-feet.

Friant: Storage in Millerton Lake decreased 138,370 acre-feet to 344,900 acre-feet. The total monthly inflow was 146,009 acre-feet. The release to the San Joaquin River at Friant varied between 244 and 257 ft³/s.

CVP Totals: The total diversions to CVP canals were 605,383 acre-feet. The July 31, 2003, storage in the 18 CVP reservoirs was 8,364,000 acre-feet compared to storage 1 year ago of 7,111,000 acre-feet.

Power: Gross power production for the CVP totaled 704,849,800 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	07/31/03	07/31/02	WATERSHED	RESERVOIR	TOTAL CAPACITY	07/31/03	07/31/02
KLAMATH	CLEAR LAKE *	526,800	99,480	140,610	AMERICAN	FOLSOM LAKE *CVP	1,010,300	800,120	610,360
	GERBER *	94,300	29,700	31,530		LAKE NATOMA *CVP	9,030	8,310	8,270
	UPR KLAMATH LK *	873,300	285,900	246,960	COSUMNES	JENKINSON LK *CVP	41,000	35,820	35,950
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	2,251,990	1,759,690	MOKELUMNE	CAMANCHE	431,500	324,250	263,970
	LEWISTON LAKE*CVP	14,660	13,980	14,310		PARDEE	210,000	194,810	191,200
	WHISKEYTOWN *CVP	241,100	238,060	238,280	SALT SPRINGS	140,000	131,950	121,470	
MCCLOUD	MCCLOUD DIV. RES	35,230	29,170	30,330	CALAVERAS	NEW HOGAN	317,100	132,510	150,030
PIT	IRON CANYON	24,240	16,510	19,090		NEW MELONES*CVP	2,420,000	1,368,770	1,391,280
	LAKE BRITTON	40,620	35,500	38,200		BEARDSLEY	97,800	95,580	84,370
	PIT NO. 6	15,890	14,500	13,730	STANISLAUS	DONNELLS	64,320	53,720	58,690
	PIT NO. 7	34,610	32,670	32,620	TULLOCH	67,000	65,500	64,920	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,547,160	3,102,920	TUOLUMNE	LAKE ELEANOR	26,100	23,450	25,310
	SPRING CREEK *CVP	5,900	660	830		LAKE LLOYD	268,000	263,710	253,340
	KESWICK *CVP	23,800	22,660	22,450		HETCH-HETCHY	360,400	346,460	338,510
	RED BLUFF DIV *CVP	3,920	630	3,920	NEW DON PEDRO	2,030,000	1,698,180	1,425,190	
FEATHER	OROVILLE	3,538,000	2,851,910	1,883,130	TURLOCK LAKE	49,000	32,460	30,300	
	THERMALITO DIV RES	13,500	13,050	12,780	MERCED	EXCHEQUER	1,024,600	574,150	467,080
	THERMALITO FORE.	14,400	10,470	10,580	CHOWCHILLA	BUCHANAN	150,000	18,980	16,310
	THERMALITO AFTER.	57,000	33,560	33,660		CRANE VALLEY	45,400	43,300	42,120
LAKE ALMANOR	1,143,000	975,840	879,530	LAKE T.A. EDISON	125,000	104,330	89,900		
STONY CREEK	EAST PARK *	50,900	46,480	11,430	FLORENCE LAKE	64,600	39,860	51,540	
	STONY GORGE *	50,000	49,800	27,390	SAN JOAQUIN	MAMMOTH POOL	122,700	81,660	95,330
	BLACK BUTTE *CVP	143,700	92,540	64,950	HUNTINGTON LAKE	89,800	86,860	87,640	
PUTAH CREEK	LAKE BERRYESSA *	1,602,300	1,505,890	1,360,730	REDINGER LAKE	35,000	3,920	24,580	
	LAKE SOLANO *	720	620	680	SHAVER LAKE	135,400	134,200	118,100	
YUBA	BULLARDS BAR	930,000	794,090	651,270	MILLERTON LK *CVP	520,500	344,910	298,250	
	SO. YUBA SYSTEM	146,000	93,810	97,780	FRESNO	HIDDEN	90,000	25,570	16,310
	NARROWS	70,000	65,390	64,510	SAN LUIS **CVP	2,040,600	918,350	646,890	
BEAR	ROLLINS	65,990	65,490	65,250	O'NEILL FORE.**CVP	56,400	46,180	53,000	
LITTLE TRUCKEE	STAMPEDE *	226,620	148,070	113,800	SAN LUIS	L BANOS RES**CVP	34,560	19,720	19,520
	BOCA *	41,140	31,060	39,800	LT PANOCHE **CVP	5,580	710	730	
PROSSER	PROSSER CREEK *	29,840	26,940	20,200	OIL CANYON	CONTRA LOMA *CVP	2,100	2,060	2,040
TRUCKEE	LAKE TAHOE *	732,000	244,240	206,500	KINGS	WISHON	128,300	108,500	61,550
	RYE PATCH *	190,000	NA	19,700	PINE FLAT	1,001,500	368,040	200,560	
HUMBOLDT					KAWEAH	TERMINUS	143,000	14,340	29,750
CARSON	LAHONTAN *	317,280	NA	165,000	TULE	SUCCESS	82,300	30,090	20,030
	TWIN LAKES	21,600	22,530	21,590	KERN	ISABELLA	588,100	249,630	132,190
	FRENCH MEADOWS	136,400	119,070	110,340	CUYAMA	TWITCHHELL *	240,100	NR	5,160
AMERICAN	HELL HOLE	207,590	187,350	139,310	SANTA YNEZ	LAKE CACHUMA *	190,500	124,250	145,400
	LOON LAKE	76,500	64,210	69,070	COYOTE	LAKE CASITAS *	254,000	189,989	205,910
	ICE HOUSE	46,000	40,880	42,790	TOTAL - 85 RESERVOIRS		33,790,040	23,452,729	19,951,540
	UNION VALLEY	277,300	232,310	245,760	TOTAL - 36 RESERVOIRS		18,992,650	12,495,049	11,014,440
	SLAB CREEK	16,600	13,360	15,490	TOTAL - 18 RESERVOIRS		13,572,850	9,712,630	8,273,640

** - Joint State-Federal Reservoir

* - USBR Reservoir

CVP - Central Valley Project

NR - Not Reported

Plant Generation and Energy Summary for 2003

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Generation in mwh</u>													
Shasta													
Gross	278597	175909	62560	134213	310672	282701	315692						1,560,344
Net	278111	175634	62415	134148	310579	282579	315526						1,558,992
Keswick													
Gross	55128	38974	19917	28206	57454	54658	57746						312,083
Net	54975	38787	19787	27923	57320	54532	57618						310,942
Trinity													
Gross	5793	30013	31356	18379	86019	87879	64914						324,353
Net	5503	29837	31166	18200	85820	87748	64799						323,073
JF Carr													
Gross	1299	36119	33295	15518	44017	56560	50310						237,118
Net	1158	35993	33208	15440	43866	56446	50222						236,333
Spring Creek PP													
Gross	40240	41694	45430	23752	58145	55387	47246						311,894
Net	40073	41552	45293	23628	58003	55259	47132						310,940
Folsom													
Gross	43899	62787	32736	34784	96407	72312	62073						404,998
Net	43692	62621	32554	34616	96234	72107	61880						403,704
Nimbus													
Gross	5709	7685	4185	4071	9870	7518	7110						46,148
Net	5668	7644	4142	4049	9851	7494	7099						45,947
New Melones													
Gross	6308	12196	30784	44387	52957	67830	55169						269,631
Net	6213	12101	30680	44253	52813	67671	55018						268,749
O'Neill													
Gross	0	0	0	523	2016	102	501						3,142
Net	0	0	0	435	2022	7	308						2,772
Fed San Luis													
Out Meter	0	0	0	17820	0	14257	44089						76,166
Gross Generation	436,973	405,377	260,263	321,653	717,557	699,204	704,850	0	0	0	0	0	3,545,877
Net Generation	435,393	404,169	259,245	320,512	716,508	698,100	703,691	0	0	0	0	0	3,537,618
Stampede (Gross)													
	398	1,075	312	2,045	2,311	949	1,579						8,669
Stampede (Net)													
	371	1,046	288	2,016	2,290	939	1,565						8,515
<u>Energy in mwh</u>													
Tracy													
Tot Energy	61295	54825	61731	24949	20517	60303	59314						342,934
Fed Off-Pk	29012	25474	29228	12274	9188	28879	28189						162,244
O'Neill													
Tot Energy	12985	7203	9849	2869	341	2668	501						36,416
Fed Off-Pk	6183	3393	4698	1381	117	1336	256						17,364
San Luis													
Fed Energy	61979	32737	54490	2299	36	124	132						151,797
Fed Off-Pk	60284	32707	54415	2224	36	79	102						149,847
Dos Amigos													
Fed Energy	6543	12352	10650	12771	12180	15096	32814						102,406
Fed Off-Pk	5295	8316	7635	8190	8475	9771	18384						66,066
Banks - Fed													
Fed Energy	0	0	0	0	0	0	0						0
Fed Off-Pk	0	0	0	0	0	0	0						0
Total Energy	142,802	107,117	136,720	42,888	33,074	78,191	92,761	0	0	0	0	0	633,553
Total Fed Off-Pk	100,774	69,890	95,976	24,069	17,816	40,065	46,931	0	0	0	0	0	395,521

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

JULY 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			
		4,088.1								
1	1,050.40	4,074.2	-13.9	3,666	10,396	0	0	269	.33	.00
2	1,049.91	4,060.6	-13.6	4,059	10,586	0	0	326	.40	.00
3	1,049.47	4,048.5	-12.2	4,409	10,223	0	0	317	.39	.00
4	1,048.92	4,033.3	-15.2	3,934	11,299	0	0	292	.36	.00
5	1,048.30	4,016.2	-17.1	2,903	11,201	0	0	299	.37	.00
6	1,047.79	4,002.2	-14.0	4,277	11,028	0	0	307	.38	.00
7	1,047.29	3,988.5	-13.7	4,370	10,948	0	0	322	.40	.00
8	1,046.77	3,974.3	-14.2	4,900	11,733	0	0	329	.41	.00
9	1,046.23	3,959.6	-14.7	4,756	11,894	0	0	280	.35	.00
10	1,045.64	3,943.6	-16.0	4,806	12,559	0	0	328	.41	.00
11	1,045.06	3,927.9	-15.7	5,129	12,747	0	0	311	.39	.00
12	1,044.36	3,909.0	-18.9	2,976	12,201	0	0	302	.38	.00
13	1,043.72	3,891.7	-17.2	3,786	12,150	0	0	325	.41	.00
14	1,043.15	3,876.4	-15.3	4,411	11,797	0	0	332	.42	.00
15	1,042.48	3,858.5	-17.9	4,848	13,555	0	0	331	.42	.00
16	1,041.77	3,839.5	-18.9	4,243	13,498	0	0	298	.38	.00
17	1,041.08	3,821.2	-18.4	4,011	12,983	0	0	282	.36	.00
18	1,040.41	3,803.4	-17.7	4,562	13,180	0	0	328	.42	.00
19	1,039.66	3,783.6	-19.9	3,421	13,100	0	0	334	.43	.00
20	1,038.94	3,764.5	-19.1	3,723	13,009	0	0	325	.42	.00
21	1,038.37	3,749.5	-15.0	4,099	11,317	0	0	356	.46	.00
22	1,037.59	3,729.0	-20.5	3,752	13,774	0	0	316	.41	.00
23	1,036.82	3,708.8	-20.2	3,803	13,666	0	0	307	.40	.00
24	1,036.15	3,691.3	-17.5	4,019	12,576	0	0	260	.34	.10
25	1,035.41	3,672.1	-19.2	3,553	13,139	0	0	114	.15	.00
26	1,034.71	3,653.9	-18.1	4,725	13,614	0	0	258	.34	.00
27	1,033.81	3,630.7	-23.2	1,922	13,335	0	0	303	.40	.00
28	1,033.01	3,610.1	-20.6	3,399	13,486	0	0	287	.38	.00
29	1,032.16	3,588.4	-21.8	4,352	14,996	0	0	323	.43	.00
30	1,031.36	3,568.0	-20.4	4,073	14,017	0	0	337	.45	.00
31	1,030.54	3,547.2	-20.8	3,630	13,822	0	0	306	.41	.00
TOTALS			-540.9	124,517	387,829	0	0	9,404	12.00	.10
ACRE-FEET			-540,900	246,979	769,259	0	0	18,653		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	769,259	OUTLET	0	THIS MONTH =	.10
SPILL	0	TOTAL	769,259	JULY 1, 2003 TO DATE =	.10

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

JULY 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)	
		2,366.7								
1	2,364.81	2,363.1	-3.5	1,289	2,906	0	0	160	.34	.00
2	2,364.60	2,359.8	-3.4	1,278	2,841	0	0	132	.28	.00
3	2,364.38	2,356.3	-3.5	1,295	2,930	0	0	141	.30	.00
4	2,364.16	2,352.7	-3.5	1,291	2,926	0	0	141	.30	.00
5	2,363.95	2,349.4	-3.4	1,263	2,815	0	0	141	.30	.00
6	2,363.74	2,346.0	-3.3	1,334	2,869	0	0	150	.32	.00
7	2,363.51	2,342.4	-3.7	1,077	2,772	0	0	150	.32	.00
8	2,363.26	2,338.4	-4.0	1,128	2,966	0	0	168	.36	.00
9	2,362.91	2,332.8	-5.6	1,222	3,895	0	0	131	.28	.00
10	2,362.55	2,327.1	-5.7	1,162	3,893	0	0	140	.30	.00
11	2,362.20	2,321.6	-5.5	1,030	3,673	0	0	149	.32	.00
12	2,361.81	2,315.4	-6.2	920	3,874	0	0	148	.32	.00
13	2,361.43	2,309.5	-6.0	829	3,689	0	0	153	.33	.00
14	2,361.08	2,304.0	-5.5	932	3,555	0	0	152	.33	.00
15	2,360.90	2,301.1	-2.8	599	1,878	0	0	143	.31	.00
16	2,360.76	2,299.0	-2.2	986	1,943	0	0	147	.32	.00
17	2,360.57	2,296.0	-3.0	1,096	2,447	0	0	147	.32	.00
18	2,360.37	2,292.9	-3.1	1,168	2,597	0	0	147	.32	.00
19	2,360.13	2,289.1	-3.8	621	2,375	0	0	138	.30	.00
20	2,360.00	2,287.1	-2.0	651	1,515	0	0	160	.35	.00
21	2,359.84	2,284.6	-2.5	1,071	2,202	0	0	124	.27	.00
22	2,359.68	2,282.1	-2.5	1,020	2,133	0	0	142	.31	.00
23	2,359.55	2,280.1	-2.0	797	1,657	0	0	160	.35	.00
24	2,359.34	2,276.8	-3.3	863	2,342	0	0	169	.37	.01
25	2,359.08	2,272.8	-4.0	369	2,303	0	0	105	.23	.00
26	2,358.86	2,269.3	-3.4	639	2,201	0	0	160	.35	.00
27	2,358.57	2,264.8	-4.5	465	2,568	0	0	164	.36	.00
28	2,358.40	2,262.2	-2.6	436	1,615	0	0	150	.33	.00
29	2,358.21	2,259.3	-2.9	723	2,053	0	0	155	.34	.00
30	2,358.00	2,256.0	-3.3	841	2,337	0	0	146	.32	.00
31	2,357.74	2,252.0	-4.0	210	2,072	0	0	164	.36	.00
TOTALS			-114.7	28,605	81,842	0	0	4,577	9.91	.01
ACRE-FEET			-114,700	56,738	162,334	0	0	9,078		

COMMENTS:

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

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	162,334	OUTLET	0	THIS MONTH =	.01
SPILL	0	TOTAL	162,334	JULY 1, 2003 TO DATE =	.01

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

JULY 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		
		237.8										
1	1,209.11	238.2	+0.4	1,192	1,148	44	90	0	867	25	.27	.00
2	1,209.11	238.2	+0.0	1,078	1,038	40	90	0	964	24	.26	.00
3	1,209.13	238.3	+0.1	1,141	1,094	47	90	0	986	33	.35	.00
4	1,209.16	238.4	+0.1	1,124	1,082	42	90	0	954	32	.34	.00
5	1,209.18	238.5	+0.1	1,111	1,077	34	90	0	974	15	.16	.00
6	1,209.18	238.5	+0.0	1,057	1,052	5	90	0	938	29	.31	.00
7	1,209.05	238.1	-0.4	917	893	24	90	0	1,008	29	.31	.00
8	1,209.05	238.1	+0.0	1,077	1,104	-27	90	0	960	27	.29	.00
9	1,208.95	237.7	-0.3	1,997	1,962	35	90	0	2,048	20	.21	.00
10	1,208.96	237.8	+0.0	2,258	2,151	107	90	0	2,127	25	.27	.00
11	1,209.17	238.4	+0.7	2,240	2,240	0	90	0	1,780	32	.34	.00
12	1,209.18	238.5	+0.0	2,660	2,569	91	90	0	2,526	28	.30	.00
13	1,209.16	238.4	-0.1	2,599	2,536	63	90	0	2,512	29	.31	.00
14	1,209.16	238.4	+0.0	2,637	2,559	78	90	0	2,524	23	.25	.00
15	1,208.98	237.8	-0.6	1,064	1,057	7	90	0	1,234	30	.32	.00
16	1,208.83	237.4	-0.5	980	969	11	90	0	1,100	30	.32	.00
17	1,209.01	237.9	+0.6	1,923	1,883	40	90	0	1,522	23	.25	.00
18	1,209.15	238.4	+0.4	1,895	1,834	61	90	0	1,548	31	.33	.00
19	1,209.17	238.4	+0.1	1,606	1,611	-5	90	0	1,453	31	.33	.00
20	1,208.70	236.9	-1.5	908	901	7	90	0	1,542	31	.33	.00
21	1,208.92	237.6	+0.7	1,924	1,905	19	90	0	1,457	25	.27	.00
22	1,209.13	238.3	+0.7	1,865	1,818	47	90	0	1,407	30	.32	.00
23	1,209.04	238.0	-0.3	1,551	1,530	21	90	0	1,580	26	.28	.00
24	1,209.01	237.9	-0.1	1,618	1,559	59	90	0	1,549	27	.29	.03
25	1,209.22	238.6	+0.7	1,869	1,830	39	90	0	1,422	18	.19	.00
26	1,209.06	238.1	-0.5	1,828	1,789	39	90	0	1,974	22	.23	.00
27	1,209.17	238.4	+0.4	2,190	2,114	76	90	0	1,895	28	.30	.00
28	1,208.60	236.6	-1.8	1,548	1,513	35	90	0	2,342	31	.33	.00
29	1,208.84	237.4	+0.8	1,402	1,465	-63	90	0	895	32	.34	.00
30	1,208.99	237.9	+0.5	1,921	1,921	0	90	0	1,564	27	.29	.00
31	1,209.05	238.1	+0.2	1,359	1,395	-36	90	0	1,146	26	.28	.00
TOTALS			+0.4	50,539	49,599	940	2,790	0	46,798	839	8.97	.03
ACRE-FEET			+0.4	100,244	98,380	1,864	5,534	0	92,824	1,664		

* 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	92,824	OUTLET	5,534	THIS MONTH	.03
SPILL	0	TOTAL	98,358	JULY 1, 2003 TO DATE	.03

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

Table 6

JULY 2003

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: August 28, 2003

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			JUDGE FRANCIS CARR POWERPLANT	EVAPORATION (2)	
		IN LAKE	CHANGE		POWER	RIVER OUTLETS (1)	SPILL		C.F.S.	INCHES
		14,263								
1	1,901.31	14,143	-120	3,095	80	50	1,870	1,148	7	.34
2	1,901.27	14,113	-30	3,029	80	63	1,857	1,038	6	.28
3	1,901.26	14,105	-8	3,097	80	70	1,850	1,094	7	.30
4	1,901.22	14,076	-29	3,074	80	70	1,850	1,082	7	.30
5	1,900.96	13,882	-194	2,986	80	70	1,850	1,077	7	.30
6	1,900.92	13,852	-30	3,044	80	70	1,850	1,052	7	.32
7	1,901.10	13,986	+134	2,968	80	70	1,850	893	7	.32
8	1,901.11	13,993	+7	3,116	80	70	1,850	1,104	8	.36
9	1,901.07	13,963	-30	3,953	80	70	1,850	1,962	6	.28
10	1,901.00	13,911	-52	4,132	80	70	1,850	2,151	7	.30
11	1,900.90	13,837	-74	3,860	80	70	1,500	2,240	7	.32
12	1,900.87	13,815	-22	3,984	80	70	1,269	2,569	7	.32
13	1,900.88	13,823	+8	3,816	80	70	1,119	2,536	7	.33
14	1,900.71	13,698	-125	3,622	80	70	969	2,559	7	.33
15	1,900.54	13,572	-126	1,988	80	70	838	1,057	7	.31
16	1,901.14	14,016	+444	2,088	80	70	738	969	7	.32
17	1,900.84	13,793	-223	2,566	80	70	638	1,883	7	.32
18	1,901.04	13,941	+148	2,619	80	70	553	1,834	7	.32
19	1,901.48	14,270	+329	2,412	80	70	478	1,611	7	.30
20	1,901.75	14,472	+202	1,639	80	70	478	901	8	.35
21	1,901.44	14,240	-232	2,313	80	70	369	1,905	6	.27
22	1,901.27	14,113	-127	2,230	80	70	319	1,818	7	.31
23	1,900.55	13,580	-533	1,719	80	70	300	1,530	8	.35
24	1,901.46	14,255	+675	2,357	80	70	300	1,559	8	.37
25	1,901.65	14,397	+142	2,357	80	89	281	1,830	5	.23
26	1,901.39	14,203	-194	2,149	80	100	270	1,789	8	.35
27	1,901.18	14,046	-157	2,493	80	100	270	2,114	8	.36
28	1,900.21	13,330	-716	1,609	80	100	270	1,513	7	.33
29	1,900.53	13,565	+235	2,040	80	100	270	1,465	7	.34
30	1,900.40	13,469	-96	2,330	80	100	270	1,921	7	.32
31	1,901.09	13,978	+509	2,110	80	100	270	1,395	8	.36
TOTALS			-285	84,795	2,480	2,342	30,296	49,599	219	9.91
ACRE-FEET			-285	168,191	4,919	4,645	60,092	98,380	434	

* 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	4,919	JUDGE FRANCIS CARR POWERPLANT	98,380
TOTAL RIVER	69,656	TOTAL RELEASE	168,036

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

Table 7

JULY 2003

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: August 28, 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	
		946							
1	713.13	955	+9	5	0	0			
2	713.36	963	+8	4	0	0			
3	713.68	973	+10	5	0	0			
4	713.95	981	+8	4	0	0			
5	714.19	989	+8	4	0	0			
6	714.38	995	+6	3	0	0			
7	714.64	1,003	+8	4	0	0			
8	714.81	1,009	+6	3	0	0			
9	714.24	991	-18	1	0	10			
10	712.64	940	-51	-6	0	20			
11	710.81	885	-55	-8	0	20			
12	708.63	823	-62	-11	0	20			
13	705.81	745	-78	-19	0	20			
14	701.82	645	-100	-32	0	18			
15	698.14	560	-85	-28	0	15			
16	698.12	560	+0	9	0	9			
17	698.11	559	-1	9	0	10			
18	698.12	560	+1	11	0	10			
19	698.14	560	+0	10	0	10			
20	698.08	559	-1	9	0	10			
21	698.09	559	+0	10	0	10			
22	698.11	559	+0	20	0	20			
23	698.09	559	+0	20	0	20			
24	698.05	558	-1	9	0	10			
25	698.46	567	+9	15	0	10			
26	699.62	593	+26	13	0	0			
27	700.47	613	+20	10	0	0			
28	701.08	627	+14	7	0	0			
29	701.65	641	+14	7	0	0			
30	702.08	651	+10	5	0	0			
31	702.46	660	+9	5	0	0			
TOTALS			-286	98	0	242			
ACRE-FEET			-286	194	0	480			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	0
OUTLET	480
TOTAL	480

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

Table 8

JULY 2003

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: August 28, 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)
		22,626								
1	584.93	22,464	-162	11,966	867	10,396	11,992	0	50	6
2	584.96	22,482	+18	11,525	964	10,586	11,459	0	50	7
3	583.48	21,574	-908	11,081	986	10,223	11,482	0	50	7
4	584.09	21,946	+372	12,241	954	11,299	11,997	0	50	6
5	584.64	22,285	+339	12,193	974	11,201	11,965	0	50	7
6	584.16	21,989	-296	11,864	938	11,028	11,956	0	50	7
7	583.68	21,696	-293	11,874	1,008	10,948	11,965	0	50	7
8	584.38	22,124	+428	12,747	960	11,733	12,474	0	50	7
9	584.71	22,328	+204	13,500	2,048	11,894	13,341	0	50	6
10	584.85	22,414	+86	14,314	2,127	12,559	14,214	0	50	7
11	584.29	22,069	-345	14,261	1,780	12,747	14,378	0	50	7
12	584.54	22,223	+154	14,493	2,526	12,201	14,358	0	50	7
13	584.37	22,118	-105	14,368	2,512	12,150	14,364	0	50	7
14	583.60	21,647	-471	14,103	2,524	11,797	14,282	0	50	8
15	584.20	22,013	+366	14,544	1,234	13,555	14,301	0	50	8
16	584.35	22,106	+93	14,409	1,100	13,498	14,305	0	50	7
17	583.93	21,848	-258	14,281	1,522	12,983	14,355	0	50	6
18	584.72	22,334	+486	14,665	1,548	13,180	14,362	0	50	8
19	585.35	22,727	+393	14,560	1,453	13,100	14,304	0	50	8
20	585.40	22,758	+31	14,431	1,542	13,009	14,357	0	50	8
21	579.80	19,412	-3,346	12,635	1,457	11,317	14,264	0	50	8
22	581.89	20,622	+1,210	14,873	1,407	13,774	14,206	0	50	7
23	583.53	21,605	+983	14,879	1,580	13,666	14,343	0	33	7
24	581.35	20,305	-1,300	13,670	1,549	12,576	14,319	0	0	6
25	581.67	20,493	+188	14,359	1,422	13,139	13,997	264	0	3
26	582.65	21,074	+581	15,199	1,974	13,614	14,341	559	0	6
27	582.12	20,758	-316	14,843	1,895	13,335	14,431	564	0	7
28	583.31	21,471	+713	15,433	2,342	13,486	14,502	565	0	7
29	585.31	22,702	+1,231	15,665	895	14,996	14,457	579	0	8
30	585.97	23,116	+414	15,368	1,564	14,017	14,563	588	0	8
31	585.25	22,664	-452	14,630	1,146	13,822	14,272	578	0	8
TOTALS			+38	428,974	46,798	387,829	423,906	3,697	1,133	216
ACRE-FEET			+38	850,870	92,824	769,259	840,818	7,333	2,247	428

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

SUMMARY
 RELEASE (ACRE-FEET)

POWER	840,818
SPILL	7,333
FISH TRAP	2,247

JULY 2003

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: August 28, 2003

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		3,928				
1	252.49	3,919	-9	52	1,267	11,190
2	252.51	3,928	+9	64	743	11,430
3	252.49	3,919	-9	83	1,318	10,950
4	252.50	3,924	+5	69	1,119	10,830
5	252.51	3,928	+4	49	1,157	11,670
6	252.52	3,933	+5	44	1,043	11,070
7	252.50	3,924	-9	48	677	11,790
8	252.51	3,928	+4	94	892	12,270
9	252.49	3,919	-9	70	1,133	12,270
10	252.50	3,924	+5	66	1,055	12,390
11	252.46	3,904	-20	68	1,126	14,070
12	252.51	3,928	+24	85	1,080	13,950
13	252.46	3,904	-24	56	965	14,190
14	252.46	3,904	+0	28	819	14,550
15	252.52	3,933	+29	74	965	13,950
16	252.50	3,924	-9	57	1,020	13,590
17	252.56	3,953	+29	74	1,046	13,590
18	252.51	3,928	-25	81	1,151	13,590
19	252.40	3,874	-54	67	752	13,470
20	252.57	3,958	+84	80	1,253	13,350
21	252.50	3,924	-34	56	700	13,470
22	252.51	3,928	+4	88	843	13,470
23	252.47	3,909	-19	69	1,200	13,710
24	252.50	3,924	+15	74	919	14,310
25	252.48	3,914	-10	60	1,059	14,790
26	252.42	3,884	-30	60	813	15,150
27	252.58	3,963	+79	86	861	15,990
28	252.46	3,904	-59	51	752	15,990
29	252.50	3,924	+20	66	673	15,990
30	252.50	3,924	+0	65	900	15,270
31	252.50	3,924	+0	65	900	15,270
TOTALS			-4	2,049	30,201	417,570
ACRE-FEET			-4	4,064	59,904	828,250

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	4,064
TEHAMA-COLUSA CANAL	59,904
TO SACTO RIVER	828,250
TOTAL	892,218

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

July 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	468.74	116229	-845	30	412	153	254	5	87	0.34	0	97361	136200
2	468.55	115467	-762	52	386	152	229	5	100	0.39	0	97425	136200
3	468.39	114828	-639	37	309	138	166	5	100	0.39	0	97463	136200
4	468.24	114230	-598	59	305.5	135	167	3.5	109	0.43	0	97505	136200
5	468.07	113555	-675	33	318	130	185	3	109	0.43	0	97242	136200
6	467.89	112843	-712	30	337	146	188	3	104	0.41	0	97293	136200
7	467.71	112133	-710	32	341.5	144	193	4.5	96	0.38	0	97345	136200
8	467.53	111425	-708	38	348	151	192	5	93	0.37	0	97371	136200
9	467.34	110681	-744	34	361	158	198	5	95	0.38	0	97396	136200
10	467.14	109900	-781	37	373	155	213	5	115	0.46	0	97352	136200
11	466.93	109084	-816	43	399	167	227	5	109	0.44	0	97352	136200
12	466.7	108194	-890	18	417	172	240	5	99	0.4	0	97317	136200
13	466.49	107384	-810	58	414	161	248	5	103	0.42	0	97317	136200
14	466.27	106539	-845	29	401	168	228	5	108	0.44	0	97330	136200
15	466.06	105736	-803	29	382	173	204	5	103	0.42	0	97333	136200
16	465.88	105050	-686	34	329	139	189	1	100	0.41	0	97356	136200
17	465.71	104404	-646	61	327	124	203	0	119	0.49	0	97334	136200
18	465.51	103647	-757	32	352	137	210	5	123	0.51	0	96861	136200
19	465.31	102893	-754	49	370	154	211	5	118	0.49	0	96811	136200
20	465.1	102104	-789	26	372	157	210	5	103	0.43	0	96768	136200
21	464.88	101281	-823	33	396	184	207	5	103	0.43	0	96750	136200
22	464.65	100423	-858	33	415	192	218	5	100	0.42	0	96632	136200
23	464.4	99496	-927	26	438	194	239	5	109	0.46	0	96602	136200
24	464.16	98609	-887	26	442	194	243	5	61	0.26	0	96552	136200
25	463.92	97726	-883	11	423	188	230	5	66	0.28	0	96495	136200
26	463.69	96883	-843	23	399	178	216	5	98	0.42	0	96445	136200
27	463.48	96116	-767	36	367.5	163	203	1.5	110	0.47	0	96385	136200
28	463.25	95280	-836	21	389	166	223	0	107	0.46	0	96368	136200
29	463.01	94411	-869	43	423	174	245	4	116	0.5	0	96328	136200
30	462.75	93474	-937	6	429	184	240	5	97	0.42	0	96281	136200
31	462.49	92541	-933	2	428	187	236	5	89	0.39	0	96182	136200
Totals	(sfd)			1021	11803.5	5018	6655	130.5					
Totals	(ac-ft)		-24533	2025	23412.2	9953.2			3149				
Totals	(inches)									12.94	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

JULY 2003

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: August 28, 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	
		924.0									
1	461.05	922.3	-1.6	2,227	2,591	0	0	345	116	.32	.00
2	460.87	920.4	-2.0	2,062	2,584	0	0	350	115	.32	.00
3	460.71	918.6	-1.7	2,200	2,588	0	0	358	130	.36	.00
4	460.49	916.2	-2.4	1,900	2,625	0	0	353	126	.35	.00
5	460.29	914.1	-2.2	2,062	2,676	0	0	355	126	.35	.00
6	460.02	911.1	-2.9	1,672	2,638	0	0	354	158	.44	.00
7	459.61	906.7	-4.4	1,135	2,887	0	0	352	129	.36	.00
8	459.18	902.1	-4.6	1,368	3,275	0	0	317	118	.33	.00
9	458.90	899.1	-3.0	2,087	3,117	0	0	378	114	.32	.00
10	458.67	896.6	-2.5	2,586	3,322	0	0	382	128	.36	.00
11	458.35	893.1	-3.4	1,793	3,010	0	0	370	146	.41	.00
12	458.06	890.0	-3.1	2,040	3,117	0	0	369	124	.35	.00
13	457.68	886.0	-4.1	1,677	3,236	0	0	366	124	.35	.00
14	457.48	883.8	-2.1	2,517	3,127	0	0	354	113	.32	.00
15	457.23	881.2	-2.7	2,238	3,109	0	0	363	113	.32	.00
16	456.83	876.9	-4.3	1,527	3,192	0	0	347	138	.39	.00
17	456.61	874.6	-2.3	2,441	3,144	0	0	356	120	.34	.00
18	456.35	871.8	-2.8	2,259	3,164	0	0	361	127	.36	.00
19	456.04	868.5	-3.3	1,964	3,102	0	0	358	165	.47	.00
20	455.67	864.6	-3.9	2,147	3,642	0	0	359	119	.34	.00
21	455.15	859.1	-5.5	1,389	3,653	0	0	375	133	.38	.00
22	454.74	854.8	-4.3	1,997	3,690	0	0	363	122	.35	.00
23	454.23	849.4	-5.4	2,095	4,322	0	0	358	118	.34	.00
24	453.64	843.2	-6.2	1,805	4,488	0	0	353	80	.23	.00
25	453.13	837.9	-5.3	1,971	4,178	0	0	321	159	.46	.00
26	452.60	832.4	-5.5	2,126	4,502	0	0	288	117	.34	.00
27	452.05	826.7	-5.7	2,132	4,606	0	0	297	110	.32	.00
28	451.42	820.1	-6.5	1,877	4,720	9	0	299	133	.39	.00
29	450.78	813.5	-6.6	1,795	4,672	27	0	306	116	.34	.00
30	450.11	806.7	-6.9	1,460	4,519	6	0	278	126	.37	.00
31	449.47	800.1	-6.5	1,526	4,429	0	0	296	98	.29	.00
TOTALS			-123.7	60,075	107,925	42	0	10,681	3,861	10.97	.00
ACRE-FEET			-123,700	119,159	214,069	83	0	21,186	7,658		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	214,069	OUTLET	0	THIS MONTH =	.00
SPILL	83	TOTAL	235,338	JULY 1, 2003 TO DATE =	.00
PUMPING PLANT	21,186				

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

Table 12

JULY 2003

LAKE NATOMA DAILY OPERATIONS

RUN DATE: August 28, 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	
1	123.13	7,941	-89	2,510	45	2,446	0	60	4
2	122.99	7,852	-65	2,520	45	2,444	0	60	4
3	122.94	7,787	-23	2,535	45	2,437	0	60	5
4	122.90	7,764	-18	2,552	45	2,451	0	60	5
5	123.19	7,746	+134	2,615	45	2,437	0	60	5
6	123.19	7,880							
6	123.25	7,909	+29	2,571	45	2,445	0	60	6
7	123.96	8,242	+333	2,710	45	2,432	0	60	5
8	124.42	8,471	+229	3,134	45	2,910	0	60	4
9	124.49	8,506	+35	3,066	45	2,939	0	60	4
10	124.79	8,656	+150	3,136	45	2,950	0	60	5
11	124.38	8,451	-205	2,949	45	2,942	0	60	5
12	124.37	8,446	-5	3,051	45	2,944	0	60	5
13	124.12	8,321	-125	2,990	45	2,943	0	60	5
14	124.05	8,286	-35	3,032	45	2,941	0	60	4
15	124.04	8,281	-5	3,041	39	2,941	0	60	4
16	123.92	8,223	-58	3,004	30	2,938	0	60	5
17	123.90	8,214	-9	3,038	30	2,949	0	60	4
18	123.85	8,191	-23	3,028	30	2,945	0	60	5
19	123.53	8,040	-151	2,979	39	2,950	0	60	6
20	123.36	7,960	-80	3,488	45	3,419	0	60	4
21	123.16	7,866	-94	3,515	55	3,442	0	60	5
22	123.17	7,871	+5	3,554	55	3,431	0	60	5
23	123.62	8,082	+211	4,149	55	3,924	0	60	4
24	124.58	8,551	+469	4,287	54	3,934	0	60	3
25	124.58	8,551	+0	4,056	48	3,942	0	60	6
26	124.25	8,386	-165	4,434	45	4,408	0	60	4
27	124.19	8,356	-30	4,520	45	4,426	0	60	4
28	124.63	8,576	+220	4,651	45	4,430	0	60	5
29	125.23	8,885	+309	4,702	45	4,436	0	60	5
30	124.89	8,706	-179	4,456	45	4,436	0	60	5
31	124.09	8,306	-400	4,426	45	4,519	0	60	4
TOTALS			+365	104,699	1,380	101,131	0	1,860	144
ACRE-FEET			+365	207,670	2,737	200,593	0	3,689	286

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	200,593	FOLSOM SOUTH CANAL	2,737	TOTAL	207,019
SPILL	0	HATCHERY	3,689		

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

JULY 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	
		1,447.2								
1	997.05	1,444.2	-3.0	1,121	2,514	0	0	120	.41	.00
2	996.89	1,442.8	-1.5	1,079	1,679	0	0	132	.45	.00
3	996.56	1,439.8	-3.0	1,042	2,417	0	0	132	.45	.00
4	996.32	1,437.6	-2.2	1,243	2,216	0	0	123	.42	.00
5	996.07	1,435.4	-2.3	1,024	2,023	0	0	143	.49	.00
6	995.80	1,432.9	-2.4	933	2,043	0	0	120	.41	.00
7	995.49	1,430.1	-2.8	1,025	2,302	0	0	134	.46	.00
8	995.19	1,427.4	-2.7	939	2,173	0	0	131	.45	.00
9	994.90	1,424.8	-2.6	992	2,188	0	0	122	.42	.00
10	994.52	1,421.4	-3.4	826	2,411	0	0	137	.47	.00
11	994.22	1,418.7	-2.7	678	1,903	0	0	134	.46	.00
12	993.99	1,416.6	-2.1	834	1,732	0	0	145	.50	.00
13	993.67	1,413.7	-2.9	791	2,107	0	0	128	.44	.00
14	993.40	1,411.3	-2.4	987	2,096	0	0	110	.38	.00
15	993.19	1,409.5	-1.9	1,043	1,855	0	0	136	.47	.00
16	993.02	1,407.9	-1.5	1,106	1,749	0	0	124	.43	.00
17	992.71	1,405.2	-2.8	1,023	2,279	0	0	139	.48	.00
18	992.42	1,402.6	-2.6	928	2,099	0	0	133	.46	.00
19	992.20	1,400.6	-2.0	946	1,797	0	0	138	.48	.00
20	991.85	1,397.5	-3.1	1,086	2,542	0	0	115	.40	.00
21	991.57	1,395.0	-2.5	895	2,011	0	0	138	.48	.00
22	991.34	1,393.0	-2.0	1,034	1,929	0	0	135	.47	.00
23	991.04	1,390.3	-2.7	787	1,996	0	0	135	.47	.00
24	990.76	1,387.8	-2.5	914	2,075	0	0	89	.31	.00
25	990.53	1,385.8	-2.0	1,037	1,926	0	0	137	.48	.00
26	990.21	1,383.0	-2.8	988	2,287	0	0	129	.45	.00
27	989.91	1,380.3	-2.7	896	2,102	0	0	131	.46	.00
28	989.51	1,376.8	-3.5	953	2,610	0	0	120	.42	.00
29	989.31	1,375.0	-1.8	852	1,607	0	0	134	.47	.00
30	988.89	1,371.3	-3.7	804	2,531	0	0	137	.48	.00
31	988.60	1,368.8	-2.5	994	2,181	0	0	97	.34	.00
TOTALS			-78.6	29,800	65,380	0	0	3,978	13.76	.00
ACRE-FEET			-78,600	59,108	129,681	0	0	7,890		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	129,681	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	129,681	JULY 1, 2003 TO DATE =	.00

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

JULY 2003

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET	CHANGE		RELEASE	OUTLET	SPILL	JOINT MAIN
		556						
1	360.22	552	-4	2,305	0	574	990	467
2	360.22	552	+0	2,318	0	532	1,030	467
3	360.22	552	+0	2,230	0	532	1,060	432
4	360.22	552	+0	2,178	0	532	1,080	417
5	360.22	552	+0	2,204	0	528	1,090	440
6	360.22	552	+0	2,228	0	531	1,090	455
7	360.13	546	-6	2,192	0	498	1,100	455
8	360.11	545	-1	2,106	0	395	1,120	454
9	360.11	545	+0	2,068	0	376	1,120	437
10	360.08	543	-2	2,080	0	361	1,120	439
11	360.05	541	-2	2,008	0	322	1,050	476
12	360.08	543	+2	1,994	0	326	1,010	488
13	360.08	543	+0	1,979	0	320	998	475
14	360.08	543	+0	1,943	0	323	978	461
15	360.11	545	+2	1,930	0	334	969	461
16	360.13	546	+1	1,975	0	366	977	469
17	360.11	545	-1	2,051	0	393	1,000	486
18	360.11	545	+0	2,055	0	380	1,000	483
19	360.11	545	+0	2,046	0	372	1,010	483
20	360.13	546	+1	3,231	0	397	1,020	483
21	360.13	546	+0	2,071	0	423	1,010	484
22	360.13	546	+0	2,057	0	422	1,000	484
23	360.11	545	-1	2,099	0	399	1,060	484
24	360.11	545	+0	2,116	0	378	1,090	484
25	360.11	545	+0	2,140	0	370	1,090	484
26	360.11	545	+0	2,158	0	375	1,100	484
27	360.13	546	+1	2,164	0	402	1,100	484
28	360.11	545	-1	2,185	0	405	1,100	485
29	360.11	545	+0	2,162	0	378	1,110	484
30	360.11	545	+0	2,163	0	384	1,110	485
31	360.11	545	+0	2,168	0	375	1,110	485
TOTALS			-11	66,604	0	12,703	32,692	14,555
ACRE-FEET			-11	132,109	0	25,196	64,845	28,870

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	64,845	OUTLET	0
SOUTH MAIN CANAL	28,870	SPILL	25,196
		TOTAL	118,911

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

JULY 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			
		483.3									
1	569.49	479.8	-3.5	3,005	837	3,632	0	249	62	.41	
2	568.67	475.9	-3.8	3,132	883	3,871	0	249	63	.42	
3	567.81	471.9	-4.0	2,882	946	3,646	0	249	60	.40	
4	566.87	467.6	-4.4	2,405	957	3,325	0	249	69	.46	
5	565.88	463.0	-4.6	2,029	938	3,081	0	247	61	.41	
6	565.14	459.6	-3.4	2,674	945	3,120	0	247	71	.48	
7	564.34	456.0	-3.6	2,636	959	3,203	0	247	65	.44	
8	563.38	451.6	-4.4	2,468	1,047	3,300	0	246	70	.48	
9	562.31	446.8	-4.8	2,552	1,083	3,594	0	246	61	.42	
10	561.15	441.6	-5.2	2,460	1,134	3,640	0	245	59	.41	
11	560.12	437.0	-4.6	2,634	1,167	3,455	0	246	76	.53	
12	558.66	430.6	-6.5	1,502	1,147	3,264	0	245	100	.70	
13	557.78	426.7	-3.9	2,759	1,078	3,316	0	245	69	.49	
14	556.70	422.0	-4.7	2,433	993	3,516	0	244	56	.40	
15	555.70	417.6	-4.3	2,614	903	3,598	0	244	55	.39	
16	554.60	412.9	-4.7	2,548	991	3,628	0	247	71	.51	
17	553.57	408.5	-4.4	2,738	1,003	3,647	0	249	61	.44	
18	552.59	404.3	-4.2	2,638	995	3,415	0	254	75	.55	
19	551.44	399.5	-4.9	2,040	1,007	3,162	0	257	63	.46	
20	550.46	395.4	-4.1	2,427	1,007	3,179	0	256	57	.42	
21	549.30	390.5	-4.8	2,154	1,008	3,273	0	257	58	.43	
22	548.29	386.3	-4.2	2,467	840	3,417	0	256	67	.50	
23	546.97	380.9	-5.4	1,992	881	3,528	0	256	70	.53	
24	545.61	375.3	-5.6	1,959	1,003	3,461	0	256	37	.28	
25	544.60	371.3	-4.1	2,421	1,001	3,166	0	254	63	.48	
26	543.45	366.6	-4.6	1,866	978	2,883	0	253	84	.65	
27	542.23	361.8	-4.9	1,760	927	2,976	0	253	59	.46	
28	540.74	355.9	-5.9	1,343	908	3,099	0	252	56	.44	
29	539.73	351.9	-4.0	2,190	875	3,012	0	250	52	.41	
30	538.70	347.9	-4.0	2,140	832	3,038	0	250	52	.41	
31	537.94	344.9	-3.0	2,744	885	3,042	0	250	58	.46	
TOTALS			-138.4	73,612	30,158	103,487	0	7,748	1,980	14.27	.00
ACRE-Feet			-138,370	146,009	59,818	205,266	0	15,368	3,927		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-Feet)		PRECIPITATION	
CANALS	RIVER		
FRIANT-KERN	AT FRIANT	THIS MONTH =	0.00
MADERA	TOTAL RELEASES	JULY 1, 2003 TO DATE =	0.00

Table 16

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

July 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	NDOJ daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
1-Jul-03	19,125	230	0	1,293	2,295	2,246	2,281	22,943	4,300	6,680	4,342	274	62	106	11,341	10,296	7,302	7,106	7,302	47.8%	46.1%	46.7%
2-Jul-03	19,692	229	0	1,268	2,281	2,214	2,126	23,470	4,300	6,674	4,339	268	88	106	11,299	11,017	7,871	7,157	7,587	46.5%	47.6%	50.3%
3-Jul-03	19,438	228	0	1,281	1,971	2,143	1,979	22,918	4,350	6,671	4,332	247	59	107	11,297	11,013	7,270	7,125	7,481	47.8%	47.4%	50.5%
4-Jul-03	19,349	226	0	1,290	1,685	2,058	1,893	22,550	4,350	6,678	4,340	261	50	98	11,326	11,011	6,874	7,207	7,330	48.6%	47.6%	50.7%
5-Jul-03	19,598	225	0	1,302	1,635	1,976	1,848	22,760	4,400	6,678	4,382	259	50	97	11,365	11,027	6,995	7,270	7,263	48.4%	48.2%	50.9%
6-Jul-03	19,347	224	0	1,299	1,670	1,890	1,822	22,540	4,400	6,666	4,411	249	50	99	11,375	11,052	6,765	7,138	7,180	48.9%	48.6%	51.1%
7-Jul-03	19,408	223	0	1,301	1,690	1,808	1,808	22,622	4,400	6,674	4,402	256	176	106	11,260	11,071	6,962	7,149	7,149	48.2%	48.5%	50.8%
8-Jul-03	19,538	223	0	1,282	1,721	1,713	1,784	22,764	4,400	7,173	4,311	262	75	101	11,771	11,212	6,593	7,047	7,079	50.1%	49.1%	51.1%
9-Jul-03	20,353	223	0	1,212	1,617	1,646	1,753	23,405	4,400	7,175	4,224	262	67	114	11,708	11,319	7,297	6,965	7,103	48.4%	48.9%	51.1%
10-Jul-03	20,814	223	0	1,105	1,506	1,609	1,720	23,648	4,400	7,171	4,244	274	88	106	11,707	11,432	7,541	7,004	7,147	47.9%	48.8%	51.1%
11-Jul-03	21,138	223	0	1,041	1,423	1,570	1,687	23,825	4,400	7,163	4,275	272	84	110	11,736	11,417	7,689	7,120	7,196	47.7%	48.0%	50.2%
12-Jul-03	21,565	223	0	976	1,363	1,531	1,664	24,127	4,400	7,131	4,315	228	76	109	11,709	11,433	8,018	7,267	7,265	47.1%	47.6%	49.5%
13-Jul-03	21,941	223	0	910	1,400	1,495	1,646	24,474	4,400	7,173	4,341	229	76	107	11,775	11,466	8,299	7,486	7,344	46.7%	47.2%	49.1%
14-Jul-03	22,683	223	0	592	1,434	1,452	1,630	24,932	4,400	7,175	4,302	233	17	108	11,802	11,479	8,730	7,738	7,443	46.0%	46.6%	48.9%
15-Jul-03	23,177	223	0	485	1,424	1,411	1,610	25,309	4,400	7,171	4,353	231	63	104	11,797	11,505	9,112	8,098	7,555	45.3%	46.0%	48.7%
16-Jul-03	23,320	223	0	448	1,330	1,383	1,591	25,321	4,400	7,060	4,338	228	69	113	11,671	11,467	9,250	8,377	7,661	44.7%	45.3%	48.3%
17-Jul-03	23,646	223	0	552	1,305	1,369	1,575	25,726	4,400	6,613	4,349	232	67	112	11,240	11,295	10,086	8,741	7,803	42.4%	44.1%	47.1%
18-Jul-03	23,296	223	0	512	1,325	1,366	1,562	25,356	4,400	6,473	4,395	245	77	106	11,143	11,077	9,813	9,044	7,915	42.6%	43.2%	45.7%
19-Jul-03	22,780	223	0	602	1,343	1,368	1,554	24,948	4,400	6,502	4,498	247	60	107	11,293	10,943	9,255	9,221	7,985	43.8%	42.9%	44.9%
20-Jul-03	22,495	223	0	617	1,412	1,358	1,545	24,747	4,350	6,615	4,416	240	60	108	11,320	10,966	9,077	9,332	8,040	44.3%	43.6%	44.7%
21-Jul-03	22,809	223	0	733	1,366	1,348	1,536	25,131	4,350	6,625	4,364	247	81	108	11,263	11,006	9,518	9,444	8,110	43.4%	43.9%	44.6%
22-Jul-03	23,028	223	0	627	1,352	1,348	1,527	25,230	4,350	6,637	4,384	118	64	112	11,187	11,014	9,693	9,527	8,182	43.4%	43.7%	44.3%
23-Jul-03	22,950	224	0	562	1,333	1,343	1,516	25,069	4,350	6,655	4,384	302	68	112	11,386	11,016	9,333	9,539	8,232	43.8%	43.5%	44.1%
24-Jul-03	23,520	224	0	440	1,273	1,341	1,507	25,457	4,350	6,670	4,353	319	80	110	11,373	11,028	9,734	9,489	8,295	43.0%	43.4%	43.9%
25-Jul-03	23,671	225	0	415	1,305	1,339	1,500	25,616	4,300	6,670	4,356	327	90	109	11,372	11,030	9,943	9,508	8,361	42.7%	43.1%	43.6%
26-Jul-03	23,560	225	0	415	1,330	1,325	1,493	25,530	4,300	6,657	3,779	322	60	107	10,804	10,829	10,426	9,675	8,440	40.6%	42.1%	42.7%
27-Jul-03	24,317	226	0	467	1,318	1,337	1,491	26,328	4,300	6,672	3,511	304	60	108	10,535	10,549	11,492	10,020	8,553	38.5%	40.6%	41.4%
28-Jul-03	24,562	226	0	614	1,445	1,350	1,489	26,847	4,250	5,993	3,530	296	94	105	9,831	10,048	12,766	10,484	8,704	35.1%	38.0%	39.2%
29-Jul-03	24,876	226	0	702	1,444	1,369	1,489	27,248	4,250	5,986	3,500	259	65	103	9,784	9,731	13,214	10,987	8,859	34.6%	36.0%	37.7%
30-Jul-03	25,288	228	0	704	1,466	1,386	1,485	27,686	4,250	5,999	3,444	258	77	102	9,727	9,484	13,708	11,612	9,021	33.8%	34.5%	36.5%
31-Jul-03	25,464	229	0	717	1,396	1,394	1,481	27,806	4,200	5,989	3,446	241	59	97	9,715	9,455	13,891	12,206	9,178	33.7%	34.0%	36.2%
Total	686,748	6,963	0	25,764	46,858	48,484	51,592	766,333	134,900	207,868	129,962	7,991	2,213	3,302	346,911	338,686	284,522	266,086	242,766	1365.8%	1378.2%	1435.5%
Average	22,153	225	0	831	1,512	1,564	1,664	24,720	4,352	6,705	4,192	258	71	107	11,191	10,925	9,178	8,583		44.1%	44.5%	46.3%

JULY 2003

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

RUN DATE: August 28, 2003

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION		PRECIP INCHES
		ACRE-FOOT IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL		C.F.S.	INCHES	
		1,217,645									
1	472.91	1,207,947	-9,698	382	4,426	296	0	-549	200	.58	.00
2	472.68	1,205,499	-2,448	1,331	2,237	292	0	-36	190	.55	.00
3	472.14	1,199,759	-5,740	1,614	4,244	330	0	+65	186	.54	.00
4	471.47	1,192,650	-7,109	0	3,351	323	0	+90	189	.55	.00
5	470.50	1,182,381	-10,269	0	4,758	314	0	-105	257	.75	.00
6	469.77	1,174,672	-7,709	0	3,336	284	0	-267	267	.78	.00
7	469.08	1,167,400	-7,272	0	3,326	237	0	-102	235	.69	.00
8	468.59	1,162,245	-5,155	0	2,212	287	0	-99	222	.65	.00
9	467.69	1,152,796	-9,449	1,783	6,003	308	0	-236	204	.60	.00
10	466.97	1,145,254	-7,542	1,010	4,630	332	0	+149	217	.64	.00
11	465.63	1,131,260	-13,994	0	6,772	325	0	+42	196	.58	.00
12	464.74	1,121,997	-9,263	0	4,374	327	0	+31	209	.62	.00
13	463.78	1,112,033	-9,964	0	4,700	320	0	-4	255	.76	.00
14	462.89	1,102,821	-9,212	0	4,353	330	0	+39	240	.72	.00
15	461.91	1,092,707	-10,114	0	4,765	336	0	+2	216	.65	.00
16	461.18	1,085,192	-7,515	1,163	4,678	357	0	+84	239	.72	.00
17	459.88	1,071,853	-13,339	0	6,145	345	0	-235	235	.71	.00
18	458.47	1,057,446	-14,407	0	6,692	358	0	-214	214	.65	.00
19	457.07	1,043,204	-14,242	0	6,546	373	0	-262	262	.80	.00
20	456.18	1,034,184	-9,020	0	4,172	362	0	-13	245	.75	.00
21	454.75	1,019,745	-14,439	0	7,146	353	0	+219	218	.67	.00
22	453.51	1,007,279	-12,466	0	5,667	354	0	-264	224	.69	.00
23	452.79	1,000,064	-7,215	1,374	4,531	354	0	-126	201	.62	.00
24	451.78	989,972	-10,092	588	5,344	355	0	+23	216	.67	.00
25	450.65	978,721	-11,251	0	5,046	384	0	-242	242	.75	.00
26	449.63	968,603	-10,118	0	4,482	356	0	-263	263	.82	.00
27	449.09	963,260	-5,343	0	2,292	355	0	-47	208	.65	.00
28	447.97	952,211	-11,049	0	5,319	337	0	+86	217	.68	.00
29	446.75	940,223	-11,988	0	5,640	353	0	-51	207	.65	.00
30	445.60	928,970	-11,253	0	5,332	354	0	+13	281	.89	.00
31	444.51	918,347	-10,623	0	5,159	346	0	+150	189	.60	.00
TOTALS			-299,298	9,245	147,678	10,337	0	-2,122	6,944	20.98	.00
ACRE-FOET			-299,298	18,337	292,919	20,503	0	-4,209	13,773		

SUMMARY

	RELEASE (ACRE-FOET)			PRECIPITATION	
POWER	292,919	SPILL	0	THIS MONTH =	.00
PACHECO TUNNEL	20,503	TOTAL	313,422	JULY 1, 2003 TO DATE =	.00

JULY 2003

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

RUN DATE: August 28, 2003

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		
		47,362									
1	222.07	48,571	+1,209	478	4,426	6,188	100	382	10,284		+283
2	220.57	44,635	-3,936	393	2,237	6,262	0	1,331	9,533		-13
3	220.23	43,749	-886	348	4,244	5,709	148	1,614	9,497		+512
4	220.04	43,256	-493	406	3,351	6,012	233	0	10,022		+237
5	220.52	44,505	+1,249	396	4,758	5,507	224	0	9,775		-33
6	220.14	43,515	-990	395	3,336	6,192	231	0	10,611		+420
7	220.50	44,453	+938	435	3,326	5,927	232	0	9,356		+373
8	219.94	42,997	-1,456	391	2,212	6,026	233	0	9,239		+109
9	220.21	43,697	+700	142	6,003	5,831	89	1,783	10,012		+261
10	219.77	42,557	-1,140	0	4,630	6,453	0	1,010	11,206		+559
11	220.98	45,708	+3,151	0	6,772	6,153	190	0	11,049		-98
12	220.99	45,734	+26	0	4,374	6,285	267	0	10,494		+116
13	220.03	43,230	-2,504	0	4,700	6,484	260	0	12,442		+256
14	220.31	43,957	+727	0	4,353	6,114	225	0	10,199		+322
15	220.49	44,427	+470	0	4,765	6,320	79	0	10,743		-26
16	219.50	41,862	-2,565	0	4,678	6,413	0	1,163	11,541		+319
17	219.70	42,376	+514	0	6,145	5,750	271	0	12,011		+645
18	220.70	44,975	+2,599	0	6,692	5,911	365	0	11,360		+432
19	221.50	47,073	+2,098	0	6,546	5,731	280	0	11,380		+442
20	220.31	43,957	-3,116	0	4,172	5,774	198	0	11,271		-47
21	221.63	47,414	+3,457	307	7,146	5,593	256	0	11,196		+150
22	222.07	48,571	+1,157	429	5,667	5,676	331	0	10,890		+33
23	221.02	45,813	-2,758	152	4,531	5,881	124	1,374	10,681		+224
24	221.12	46,075	+262	0	5,344	5,934	0	588	10,791		+234
25	221.34	46,653	+578	0	5,046	5,757	0	0	11,067		+555
26	221.57	47,257	+604	0	4,482	5,938	419	0	10,316		+620
27	219.40	41,605	-5,652	0	2,292	5,640	654	0	10,401		+275
28	220.00	43,152	+1,547	0	5,319	5,073	487	0	9,267		+142
29	220.90	45,498	+2,346	0	5,640	5,123	434	0	9,396		+249
30	221.17	46,206	+708	0	5,332	5,113	703	0	9,508		+123
31	221.16	46,180	-26	0	5,159	5,264	915	0	9,705		+1,474
TOTALS			-1,182	4,272	147,678	182,034	7,948	9,245	325,243		+9,148
ACRE-FEET			-1,182	8,474	292,919	361,064	15,765	18,337	645,119	2,560	18,145

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	15,765	DOS AMIGOS PUMP	645,119
SAN LUIS PUMP	18,337	DELIVERIES	2,560
		TOTAL	681,781

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

Table 19

JULY 2003

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: August 28, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL				SAN LUIS						PACHECO			DOS AMIGOS		
	STATE	FED	TOTAL	PUMPING		GENER		FED	STATE	TOTAL	GENERATION		PUMP	FED	STATE	TOTAL			
1	12,274	0	12,274	948	0	948	199	0	757	757	9,078	-299	8,779	587	7,851	12,547	20,398		
2	12,421	0	12,421	780	0	780	0	0	2,640	2,640	4,399	39	4,438	579	7,853	11,056	18,909		
3	11,323	0	11,323	690	0	690	293	0	3,202	3,202	6,255	2,162	8,417	654	7,736	11,101	18,837		
4	11,925	0	11,925	805	0	805	463	0	0	0	6,306	341	6,647	640	7,686	12,192	19,878		
5	10,924	0	10,924	786	0	786	445	0	0	0	8,733	705	9,438	622	7,741	11,648	19,389		
6	12,281	0	12,281	783	0	783	458	0	0	0	6,177	439	6,616	563	7,783	13,263	21,046		
7	11,756	0	11,756	863	0	863	461	0	0	0	6,390	208	6,598	471	7,734	10,824	18,558		
8	11,952	0	11,952	775	0	775	462	0	0	0	4,215	173	4,388	570	7,739	10,587	18,326		
9	11,566	0	11,566	282	0	282	177	0	3,537	3,537	8,566	3,341	11,907	611	7,566	12,292	19,858		
10	12,800	0	12,800	0	0	0	0	0	2,004	2,004	7,174	2,009	9,183	659	7,654	14,573	22,227		
11	12,205	0	12,205	0	0	0	377	0	0	0	8,510	4,923	13,433	645	7,581	14,335	21,916		
12	12,466	0	12,466	0	0	0	530	0	0	0	6,782	1,893	8,675	649	7,606	13,209	20,815		
13	12,861	0	12,861	0	0	0	515	0	0	0	6,482	2,840	9,322	635	7,583	17,096	24,679		
14	12,128	0	12,128	0	0	0	446	0	0	0	6,387	2,248	8,635	655	7,662	12,567	20,229		
15	12,535	0	12,535	0	0	0	156	0	0	0	8,059	1,392	9,451	666	7,537	13,772	21,309		
16	12,720	0	12,720	0	0	0	0	0	2,306	2,306	6,099	3,180	9,279	709	7,699	15,192	22,891		
17	11,406	0	11,406	0	0	0	537	0	0	0	6,865	5,324	12,189	684	7,667	16,156	23,823		
18	11,725	0	11,725	0	0	0	723	0	0	0	6,979	6,294	13,273	710	7,678	14,854	22,532		
19	11,367	0	11,367	0	0	0	556	0	0	0	7,714	5,269	12,983	739	7,690	14,882	22,572		
20	11,452	0	11,452	0	0	0	393	0	0	0	3,160	5,116	8,276	718	7,628	14,729	22,357		
21	11,094	0	11,094	608	0	608	508	0	0	0	7,561	6,613	14,174	700	7,617	14,591	22,208		
22	11,258	0	11,258	851	0	851	657	0	0	0	7,898	3,342	11,240	702	7,579	14,022	21,601		
23	11,664	0	11,664	301	0	301	246	0	2,725	2,725	5,912	3,076	8,988	702	7,626	13,559	21,185		
24	11,770	0	11,770	0	0	0	0	0	1,167	1,167	5,924	4,675	10,599	705	7,803	13,601	21,404		
25	11,420	0	11,420	0	0	0	0	0	0	0	6,206	3,803	10,009	762	7,782	14,170	21,952		
26	11,779	0	11,779	0	0	0	832	0	0	0	7,606	1,284	8,890	706	7,780	12,682	20,462		
27	11,186	0	11,186	0	0	0	1,298	0	0	0	4,444	102	4,546	704	7,707	12,924	20,631		
28	10,062	0	10,062	0	0	0	966	0	0	0	8,879	1,672	10,551	668	7,707	10,675	18,382		
29	10,162	0	10,162	0	0	0	860	0	0	0	7,927	3,259	11,186	701	7,816	10,820	18,636		
30	10,142	0	10,142	0	0	0	1,394	0	0	0	9,014	1,563	10,577	702	7,736	11,124	18,860		
31	10,441	0	10,441	0	0	0	1,815	0	0	0	9,036	1,197	10,233	687	7,770	11,479	19,249		
TOTAL	361,065	0	361,065	8,472	0	8,472	15,767	0	18,338	18,338	292,920	214,737	507,657	20,505	7,645	645,119	645,119		
FEDERAL	0	0	0	8,472	0	8,472	0	0	0	0	214,737	214,737	429,474	0	7,645	238,597	238,597		
STATE	361,065	0	361,065	0	0	0	15,767	0	18,338	18,338	78,183	78,183	87,983	20,505	0	406,522	406,522		
																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

JULY 2003

FEDERAL-STATE OPERATIONS

RUN DATE: August 28, 2003

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE			AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	BYRON TOTAL	STATE	FED	TOTAL		
1	8,613	0	8,613	13,249	13,297	0	13,297	0	0	123	14,048	0	14,048	7,864	
2	8,606	0	8,606	13,238	13,020	0	13,020	0	0	175	13,023	0	13,023	7,826	
3	8,592	0	8,592	13,232	13,071	0	13,071	0	0	118	12,973	0	12,973	8,195	
4	8,608	0	8,608	13,245	13,081	0	13,081	0	0	100	13,690	0	13,690	8,266	
5	8,692	0	8,692	13,245	13,038	0	13,038	0	0	100	13,353	0	13,353	8,351	
6	8,749	0	8,749	13,223	13,015	0	13,015	0	0	100	14,494	0	14,494	8,424	
7	8,731	0	8,731	13,237	13,016	0	13,016	0	0	350	12,781	0	12,781	8,329	
8	8,550	0	8,550	14,227	13,842	0	13,842	0	0	149	12,621	0	12,621	8,237	
9	8,378	0	8,378	14,231	13,841	0	13,841	0	0	132	13,676	0	13,676	8,273	
10	8,418	0	8,418	14,223	13,897	0	13,897	0	0	175	15,308	0	15,308	8,418	
11	8,480	0	8,480	14,208	13,848	0	13,848	0	0	167	15,094	0	15,094	8,857	
12	8,559	0	8,559	14,145	13,909	0	13,909	0	0	150	14,335	0	14,335	9,089	
13	8,610	0	8,610	14,227	13,926	0	13,926	0	0	150	16,996	0	16,996	9,125	
14	8,534	0	8,534	14,231	14,004	0	14,004	0	0	33	13,932	0	13,932	8,980	
15	8,634	0	8,634	14,224	13,927	0	13,927	0	0	125	14,676	0	14,676	8,790	
16	8,605	0	8,605	14,004	13,910	0	13,910	0	0	137	15,765	0	15,765	8,605	
17	8,627	0	8,627	13,117	12,942	0	12,942	0	0	132	16,407	0	16,407	9,164	
18	8,718	0	8,718	12,840	12,989	0	12,989	0	0	152	15,518	0	15,518	9,441	
19	8,921	0	8,921	12,896	12,970	0	12,970	0	0	120	15,545	0	15,545	9,477	
20	8,760	0	8,760	13,121	12,980	0	12,980	0	0	120	15,397	0	15,397	9,153	
21	8,656	0	8,656	13,140	12,894	0	12,894	0	0	160	15,295	0	15,295	8,556	
22	8,695	0	8,695	13,164	12,907	0	12,907	0	0	127	14,877	0	14,877	8,501	
23	8,696	0	8,696	13,200	12,894	0	12,894	0	0	134	14,590	0	14,590	8,641	
24	8,635	0	8,635	13,230	12,879	0	12,879	0	0	158	14,741	0	14,741	8,635	
25	8,641	0	8,641	13,230	12,923	0	12,923	0	0	178	15,118	0	15,118	8,641	
26	7,496	0	7,496	13,204	12,933	0	12,933	0	0	120	14,092	0	14,092	8,328	
27	6,965	0	6,965	13,234	12,899	0	12,899	0	0	120	14,209	0	14,209	8,263	
28	7,001	0	7,001	11,888	11,528	0	11,528	0	0	187	12,660	0	12,660	7,967	
29	6,942	0	6,942	11,874	11,552	0	11,552	0	0	128	12,835	0	12,835	7,802	
30	6,832	0	6,832	11,899	11,683	0	11,683	0	0	152	12,989	0	12,989	8,226	
31	6,836	0	6,836	11,880	11,740	0	11,740	0	0	118	13,257	0	13,257	8,651	
TOTALS	257,780	0	257,780	412,306	405,355	0	405,355	0	0	4,390	444,295	0	444,295	265,075	

COMMENTS: ALL VALUES IN ACRE-FEET

- TOTAL TRACY: 07/26/03 - Decrease in pumping due to Jersey Water Quality.
- TOTAL TRACY: 07/27/03 - Decrease in pumping due to Jersey Water Quality.
- TOTAL TRACY: 07/28/03 - Decrease in pumping due to Jersey Water Quality.
- TOTAL TRACY: 07/29/03 - Decrease in pumping due to Jersey Water Quality.
- TOTAL TRACY: 07/30/03 - Decrease in pumping due to Jersey Water Quality.
- TOTAL TRACY: 07/31/03 - Decrease in pumping due to Jersey Water Quality.

TOTAL CHECK 21: 08/18/03 - DWR updated Flow past Check 21 from 459,885 af to 444,295 af for the month of July 2003 due to bad flow meter readings.

Table 21

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

**Central Valley Project - California
2003**

Monthly Diversions in AF

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CANALS													
Contra Costa	12956	14249	15412	16333	15139	12943	15822						102854
Delta-Mendota	261583	236924	267282	112816	89901	262129	257780						1488415
Actual Fed Dos Amigos	62174	84109	70926	80774	85819	177721	NA						561523
Madera	0	0	0	13220	44954	223582	59818						341574
Friant-Kern	11709	25236	22047	76355	186269	57143	205266						584025
Corning	0	258	0	115	1452	3628	4064						9517
Folsom-South	2434	2150	1503	2168	2684	2678	2737						16354
Sly Park - Camino Conduit	1041	922	1079	1073	1906	3882	4657						14560
Tehama-Colusa	0	1519	4300	11669	31714	58521	59904						167627
CACHUMA PROJECT													
Tecolote Tunnel	2158	1838	2197	1073	2172	2319	3208						14965
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0	0	0	25680	42640	60400						128720
Klamath Drainage District	12524	10825	9861	2831	2320	12547	11822						62730
Clear Lake Reservoir	0	0	0	0	2340	20860	3490						26690
Gerber Reservoir	0	0	0	0	2100	9960	4360						16420
Klamath River to Lost River	0	0	0	0	0	17607	9608						27215
ORLAND PROJECT													
Stony Creek	0	0	0	0	8503	18847	19686						47036
South Canal	0	0	0	0	6383	12891	13601						32875
North Canal	0	0	0	0	2120	5956	6085						14161
SOLANO PROJECT													
Putah South Canal	3733	3201	4923	9362	17340	32490	37256						108305

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						0
Arvin-Edison WSD	1707	2374	0	20465	51429	17279	0						93254
Atwell Island WD	0	0	0	0	0	0	0						0
Delano-Earlimart ID	0	2960	3771	7150	15362	25234	26958						81435
Exeter ID	0	10	79	136	679	2025	2909						5838
City of Fresno	0	837	4	7	15	0	25830						26693
County of Fresno SA #34	4	3	20	15	48	79	95						264
Fresno ID	0	0	0	0	67	169	3651						3887
Garfield WD	0	0	61	174	278	491	525						1529
Hills Valley ID	0	0	17	33	404	699	905						2058
International WD	25	53	0	89	64	252	259						742
Ivanhoe ID	0	0	0	952	2513	1341	2250						7056
Kaweah Delta WCD	0	0	0	0	0	386	0						386
Kern County Water Agency	0	0	0	0	0	0	0						0
Kern-Tulare WD	0	0	1715	1734	978	4247	4863						13537
Kings County WD	0	0	0	0	0	376	0						376
Kings River CD	0	0	0	0	0	3457	0						3457
Lewis Creek WD	0	0	0	0	0	0	0						0
Lindmore ID	0	0	129	828	2989	7697	9762						21405
City of Lindsay	0	45	168	162	257	214	266						1112
Lindsay-Strathmore ID	5	117	0	0	0	2423	4368						6913
Wutchumna (Lindsey-Strathmore non-proje	0	0	202	723	1944	1179	0						4048
Lower Tule River ID	0	0	0	10194	35532	36555	31197						113478
North-Kern WSD	0	0	0	0	0	0	0						0
City of Orange Cove	70	71	86	100	145	191	224						887
Orange Cove ID	0	0	75	258	2910	5423	6290						14956
Pixley ID	0	0	0	2342	9571	13482	11053						36448
Porterville ID	0	0	0	1284	2518	3567	3807						11176
Rag Gulch WD	0	320	684	989	2690	1850	2104						8637
Rosedale Rio Bravo WSD	0	0	0	2582	21803	872	0						25257
Saucelito ID	0	321	1840	2232	4822	6896	6558						22669
Semitropic WSD	0	0	0	0	0	0	0						0
Shafter Wasco ID	541	5629	3670	3579	7988	11240	11475						44122
Southern San Joaquin MUD	0	5260	5151	7096	13274	20789	22953						74523
Smallwood Vineyards	0	0	33	62	72	113	114						394
Stone Corral ID	0	0	9	232	780	1614	1822						4457
Strathmore PUD	0	19	19	19	34	42	51						184
Styro Tek, Inc.	0	0	1	0	1	0	1						3
Tea Pot Dome WD	0	0	0	160	495	1039	1267						2961
Terra Bella ID	0	0	125	449	1538	3178	4000						9290
Tri-Valley WD	0	0	0	0	25	232	314						571
Tulare ID	0	2692	0	11459	28428	31717	10055						84351
	0	0	0	0	0	10270	0						10270
Total	2352	20711	17859	75505	209653	216732	195926	0	0	0	0	0	738624

* 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	24536						65849
Madera ID	0	0	0	4679	25629	33684	31464						95456
Soquel	0	0	0	0	0	0	0						0
Total	0	0	0	9535	41279	54491	56000	0	0	0	0	0	161305
MILLERTON LAKE													
County of Madera	1	2	3	3	5	7	8						29
Fresno County # 18	5	5	7	8	14	20	24						83
Gravelly Ford WD	0	2	345	1146	740	1288	1107						4628
Total	6	9	355	1157	759	1315	1139	0	0	0	0	0	4740

* 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	1128						2052
Broadview WD	1013	1646	930	480	661	2868	3126						10724
CCID (Abv CK 13)	240	139	1108	748	2222	2124	2426						9007
CCID (Blw CK 13)	0	1347	4429	664	9983	13860	23806						54089
Centinella WD	0	0	0	0	0	0	0						0
China Island (76.05)	0	1043	833	426	365	0	732						3399
Del Puerto WD	151	1735	3527	7750	11081	15094	18647						57985
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0						0
Eagle Field WD	59	425	142	50	11	548	660						1895
Firebaugh Canal	2202	5784	1170	454	924	6816	9547						26897
Frietas Unit (76.05L)	0	1078	1258	835	795	0	904						4870
Mercy Springs WD	0	156	57	249	136	309	362						1269
Oro Loma WD	0	281	0	0	0	277	293						851
Panoche WD - Ag	422	660	351	232	303	1156	1643						4767
Panoche WD - M&I	2	3	2	3	2	3	2						17
Patterson WD	0	209	354	336	866	1059	1592						4416
Plainview WD	19	48	211	367	464	476	559						2144
Salt Slough Unit (76.05L)	0	926	992	723	1021	0	1217						4879
San Luis WD - Ag	38	1841	812	818	797	2128	2782						9216
San Luis WD - M&I	1	1	3	3	12	35	31						86
Tracy, City of	104	361	571	720	958	1187	1301						5202
West Side ID	0	0	0	0	0	22	152						174
Widren	0	54	0	0	0	16	25						95
W. Stanislaus ID	0	556	1600	4081	4160	4951	8242						23590
F&G - Los Banos Ref. 76.05L	0	1068	1168	538	1044	393	0						4211
Volta Wildlife Mgmt Area (F&G)	109	17	127	195	330	158	147						1083
Grasslands WD -76.05L	5851	3441	1085	725	7580	6214	2675						27571
Grasslands WD - Volta	1286	1253	1139	0	1406	336	494						5914
F&S (Volta) Santa Fee Kest.	0	0	0	0	0	0	0						0
F&S - Kesterson 76.05L	0	665	819	512	778	0	0						2774
Total DMC Deliveries	11497	24737	22688	21133	46272	60357	82493	0	0	0	0	0	269177
Oneill Net Pumped	222449	122252	167000	34494	(53271)	42298	(7025)						528197
DMC plus Oneill	233946	146989	189688	55627	(6999)	102655	75468	0	0	0	0	0	797374

* 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	313						1388
Broadview WD	4	1	0	2	1	4	3						11
City of Coalinga	310	423	197	501	540	899	1026						3586
City of Dos Palos	62	68	78	95	141	173	197						752
City of Huron	43	50	64	90	83	104	123						514
Pacheco WD	225	399	179	126	1	1271	2742						4718
Pacheco CCID Non-project (Hamburg)	457	984	537	0	1174	1615	0						4767
Panoche WD	3032	6457	3102	4068	4763	8981	12765						43168
San Luis WD	1677	5012	4798	5688	6803	11505	14290						49773
Westlands WD (Federal)	54952	72952	62666	74922	91722	171127	189035						717376
Phase I (Non-chargeable)	1	5	0	0	0	3	0						9
Fish & Game (Lateral 4)	1	0	1	1	2	2	2						9
Fish & Game (Lateral 6)	0	0	0	0	0	0	0						0
Total	60947	86517	71812	85684	105474	195968	220496	0	0	0	0	0	826898
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	40	25	69	2	99	111	168						514
San Luis WD Ag	32	690	582	975	1202	1852	2298						7631
San Luis M&I	37	32	21	33	61	69	94						347
VA Cemetary	1	4	3	4	7	9	14						42
Total	110	751	675	1014	1369	2041	2574	0	0	0	0	0	8534
CROSS VALLEY CANAL													
County of Fresno	0	0	0	216	0	0	0						216
County of Tulare	0	0	0	383	0	0	0						383
Lower Tule River ID	0	0	0	0	0	0	0						0
Pixley ID	0	0	0	0	0	0	0						0
Kern-Tulare WD	0	0	0	1075	0	0	0						1075
Rag Gulch WD	0	0	0	358	0	0	0						358
Hills-Valey ID	0	0	0	242	0	0	0						242
Tri-Valley ID	0	0	0	82	0	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	15341						58025
San Benito	254	1407	623	397	1139	3824	5164						12808
Total	4224	3392	7275	10003	10783	14651	20505	0	0	0	0	0	70833

* 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	13246						34605
Cortina WD	0	0	0	37	100	272	278						687
Davis WD	0	2	17	339	126	401	598						1483
Dunnigan WD	8	22	133	455	1334	3237	3495						8684
4-M Water District	0	3	7	85	225	305	406						1031
GCID	0	43	960	2135	3319	4905	4810						16172
Glenn Valley WD	0	0	0	0	32	73	177						282
Glide WD	0	8	9	269	2498	3177	4123						10084
Holthouse WD	0	7	24	109	329	403	549						1421
Kanawha WD	3	27	146	737	2470	7036	7815						18234
Kirkwood WD	0	0	0	0	36	111	132						279
La Grande WD	0	0	0	624	1247	1427	1291						4589
Myers-Marsh MWC	0	0	25	47	149	261	154						636
Orland-Artois WD	14	120	29	518	6581	13098	15059						35419
Westside WD	0	40	453	2326	4180	9425	8327						24751
Total	98	392	2856	10160	27905	56486	60460	0	0	0	0	0	158357

Data supplied by Willows Field Division, Water and Land Division

Table 28

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

Monthly Deliveries in AF

Sacramento River

2003

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A&F Boeger Corp & Thunder Farms	0	0	0	207	363	304	537						1411
Anderson Cottonwood ID	0	0	0	6184	14829	19488	18866						59367
Andreotti, Arthur, et al	0	0	0	0	400	707	724						1831
Baber, Jack, et	0	0	0	0	228	680	718						1626
A&R Farms (Odysseus)	0	0	0	0	15	5	53						73
Cannel, Fred	0	0	0	0	10	308	244						562
Carter, Jane	0	0	0	0	142	554	303						999
Colusa Prop. Inc	0	0	0	0	10	1	98						109
Conaway Conservancy Group	0	0	0	0	3815	5535	6556						15906
Davis, Olive P, et al	0	0	0	1312	5674	4869	5978						17833
Deseret Farms of Calif	0	0	0	0	45	287	328						660
Dommer, Elizabeth	0	0	0	0	0	2	3						5
Forry, David G, et al	0	0	0	0	112	242	518						872
Forster, Rosemary	0	0	0	0	474	330	384						1188
Furlan Joint Venture (Area #1)	0	0	0	0	0	49	66						115
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0						0
Glenn-Colusa ID	0	0	0	44780	126973	137584	161359						470696
Griffin, J, et al	0	0	0	0	429	550	121						1100
Henle Family Limited Partnership	0	0	0	14	115	215	92						436
Hershey Land Co	0	0	0	0	100	219	335						654
Hiatt, Glenn	0	0	0	0	28	303	283						614
Hollins, Mariette B	0	0	0	7	194	178	210						589
Howald Farms	0	0	0	0	106	223	152						481
King, Barbara	0	0	0	0	0	2	2						4
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	0	0	0						0
Lockett, William P.	0	0	0	0	0	2	144						146
Loma Cold Storage/J Micheli	0	0	0	18	1031	1556	686						3291
M&T Inc.	0	0	0	0	862	1003	1810						3675
MCM Properties, Inc	0	0	0	0	0	60	77						137
Maxwell ID	0	0	0	239	399	110	0						748
Meridan Farms WC	0	0	0	183	2959	2992	4937						11071
Natomas Central MWC	0	0	0	1290	12566	16459	23861						54176
O'Brien, Janice	0	0	0	0	87	277	233						597
Oji Bros. Farms Inc	0	0	0	129	346	674	782						1931
Oji, Mitsue Family PTN	0	0	0	0	278	1045	642						1965
Pelger Mutual WC	0	0	0	98	1413	1330	620						3461
Pleasant Grove-Verona MWC	0	0	0	0	1966	3217	4413						9596
Princeton,-Codora-Glenn ID	0	0	0	2992	11804	11486	13726						40008
Provident Irrigation District	0	0	0	3210	12461	11187	13824						40682
Reclamation Dist #108	0	0	0	2087	26250	31745	38176						98258
Reclamation Dist #1004	0	0	0	943	9726	10597	15947						37213
Reynen, John, et al	0	0	0	0	807	976	1668						3451
River Garden Farms	0	0	0	396	4160	4473	4350						13379
Roberts Ditch Irrigation Co	0	0	0	0	368	765	1113						2246
Sartain Mutual WC	0	0	0	0	276	462	508						1246
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	0	2	69	162						233
Spence, Ruth Ann	0	0	0	0	0	0	0						0
Sutter Mutual WC	0	0	0	3787	28891	38509	46943						118130
Swinford Tract Irrigation Co	0	0	0	0	0	0	27						27
Tarke, James, et al	0	0	0	0	184	328	375						887
Tisdale Irrigation & Drain	0	0	0	45	1096	1991	1988						5120
Wallace Construction, Inc.	0	0	0	0	0	0	300						300
Wells, Joyce M	0	0	0	8	210	237	279						734
Wilson Ranch Partnership	0	0	0	0	0	0	0						0
Windswept Land & Livestock Co.	0	0	0	0	75	412	297						784
Total	0	0	0	67929	272279	314597	375818						1030623

* 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	4017					
At Keswick	13500	9498	4232	7639	16172	12924	13830					
At Bend Bridge	25382	13674	12271	12384	22852	14627	14595					
At Vina Bridge	38278	17020	11719	14887	26386	15700	14762					
At Ord Ferry	35335	15687	12185	14171	24485	12350	11271					
At Colusa	30523	17735	12519	13086	21861	11352	9701					
Below Wilkins Slough	24623	17618	12638	12632	18827	10231	8228					
At Verona	46013	29817	20277	19263	35128	18772	20194					
Sacramento at "I" Street	49929	33707	22335	20590	39805	22640	22828					
Miscellaneous Stations												
Folsom computed inflow	3942	3227	3683	5851	8030	4130	1938					
American R at Nimbus Dam	2626	4300	2019	2043	5621	4216	3322					
Kings River at Pine Flat	111	94	401	706	2069	6585	6506					
San Joaquin River												
At Friant Dam	104	103	114	146	162	386	250					
Near Vernalis	2211	2198	2191	2573	2569	2109	1397					
Putah Creek												
Berryessa computed inflow	1328	564	736	750	473	28	1					
Putah Creek - Lake Solano	26	195	337	281	481	43	43					
Stanislaus River												
New Melones computed inflow	1068	962	1143	1710	2529	2459	961					
At Tulloch Dam	305	533	1123	1697	1941	2625	2149					
At Orange Blossom	212	539	454	726	695	1046	426					

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