

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

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



September 2003

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SUMMARY OF SEPTEMBER 2003 OPERATIONS

Sacramento had an average monthly temperature of 75.7 °F which was 1.9 °F above normal. The average temperature at Shasta Dam was 73.7 °F which was .8 °F below normal and Huntington Lake was 13.7 °F above normal with an average temperature of 69.2 °F.

Trinity System: Storage in Trinity Lake decreased 190,000 acre-feet this month to 1,881,200 acre-feet, which is 77 percent of capacity and 123 percent of the 15 year average for this date. The total inflow for the month was 13,099 acre-feet. The Trinity River release ranged between 450 to 1,400 ft³/s. Whiskeytown Lake was operated between elevations 1208.70 feet and 1209.16 feet with an end-of-month storage of 237,600 acre-feet. The releases to Clear Creek from Whiskeytown Dam ranged between 90 to 200 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 146,283 acre-feet.

Shasta-Keswick: Storage in Shasta Lake decreased 99,000 acre-feet for an end-of-month storage of 3,159,400 acre-feet, which is 69 percent of capacity and 124 percent of the 15 year average. The total inflow for the month was 210,150 acre-feet. The release to the Sacramento River at Keswick ranged between 7,000 and 9,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 41,700 acre-feet and had an end-of-month storage of 658,100 acre-feet, which is 67 percent of capacity and 130 percent of the 15 year average for this date. The total inflow for the month was 93,276 acre-feet. The release to the American River at Nimbus ranged between 1,750 and 2,000 ft³/s during the month.

New Melones: Storage in New Melones decreased 23,400 acre-feet for an end-of-month storage of 1,280,300 acre-feet or 53 percent of capacity and 108 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 200 to 275 ft³/s for the month. The total inflow for the month was 44,426 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on September 30, 2003, was 286,000 acre-feet compared to the storage a year ago of 294,000 acre-feet.

Friant: Storage in Millerton Lake decreased 37,442 acre-feet to 215,000 acre-feet. The total monthly inflow was 77,374 acre-feet. The release to the San Joaquin River at Friant varied between 220 and 250 ft³/s.

CVP Totals: The total diversions to CVP canals were 389,056 acre-feet. The September 30, 2003, storage in the 18 CVP reservoirs was 7,264,000 acre-feet compared to storage 1 year ago of 6,140,000 acre-feet.

Power: Gross power production for the CVP totaled 429,556,000 kilowatt-hours.

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

Table 1

WATERSHED	RESERVOIR	TOTAL CAPACITY	09/30/03	09/30/02	WATERSHED	RESERVOIR	TOTAL CAPACITY	09/30/03	09/30/02
KLAMATH	CLEAR LAKE *	526,800	74,860	105,800	AMERICAN	FOLSOM LAKE *CVP	1,010,300	658,150	509,750
	GERBER *	94,300	14,360	14,230		LAKE NATOMA *CVP	9,030	8,030	8,050
	UPR KLAMATH LK *	873,300	173,480	146,130	COSUMNES	JENKINSON LK *CVP	41,000	31,660	29,580
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,881,200	1,500,120	MOKELUMNE	CAMANCHE	431,500	278,840	237,620
	LEWISTON LAKE*CVP	14,660	13,900	13,820		PARDEE	210,000	189,900	191,420
	WHISKEYTOWN *CVP	241,100	237,610	237,260	SALT SPRINGS	140,000	NA	86,290	
MCCLOUD	MCCLOUD DIV. RES	35,230	24,190	23,830	CALAVERAS	NEW HOGAN	317,100	108,610	128,570
PIT	IRON CANYON	24,240	15,330	14,900		NEW MELONES*CVP	2,420,000	1,280,260	1,278,230
	LAKE BRITTON	40,620	37,160	32,770		BEARDSLEY	97,800	71,600	69,890
	PIT NO. 6	15,890	14,030	14,660	STANISLAUS	DONNELLS	64,320	33,330	24,450
	PIT NO. 7	34,610	32,990	33,030	TULLOCH	67,000	62,120	62,200	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,159,380	2,558,200	TUOLUMNE	LAKE ELEANOR	26,100	19,600	22,050
	SPRING CREEK *CVP	5,900	770	850		LAKE LLOYD	268,000	230,740	219,380
	KESWICK *CVP	23,800	21,780	22,190		HETCH-HETCHY	360,400	285,440	268,900
	RED BLUFF DIV *CVP	3,920	360	340	NEW DON PEDRO	2,030,000	1,514,220	1,251,990	
FEATHER	OROVILLE	3,538,000	2,283,760	1,399,660	TURLOCK LAKE	49,000	18,180	30,300	
	THERMALITO DIV RES	13,500	12,900	13,050	MERCED	EXCHEQUER	1,024,600	442,740	332,650
	THERMALITO FORE.	14,400	11,010	11,120	CHOWCHILLA	BUCHANAN	150,000	17,550	10,260
	THERMALITO AFTER.	57,000	NA	26,310	CRANE VALLEY	45,400	31,810	30,030	
STONY CREEK	LAKE ALMANOR	1,143,000	868,500	766,870	LAKE T.A. EDISON	125,000	62,420	51,820	
	EAST PARK *	50,900	43,520	7,470	FLORENCE LAKE	64,600	8,630	12,130	
	STONY GORGE *	50,000	33,050	28,360	SAN JOAQUIN	MAMMOTH POOL	122,700	34,680	38,420
PUTAH CREEK	BLACK BUTTE *CVP	143,700	51,050	27,220	HUNTINGTON LAKE	89,800	81,500	68,340	
	LAKE BERRYESSA *	1,602,300	1,430,890	1,286,780	REDINGER LAKE	35,000	24,960	25,190	
	LAKE SOLANO *	720	640	350	SHAVER LAKE	135,400	124,580	105,970	
YUBA	BULLARDS BAR	930,000	639,110	532,830	MILLERTON LK *CVP	520,500	215,030	221,130	
	SO. YUBA SYSTEM	146,000	NA	63,650	FRESNO	HIDDEN	90,000	12,320	
	NARROWS	70,000	65,360	68,710	SAN LUIS **CVP	2,040,600	939,240	688,440	
BEAR	ROLLINS	65,990	42,810	46,910	O'NEILL FORE.**CVP	56,400	45,420	44,740	
LITTLE TRUCKEE	STAMPEDE *	226,620	139,420	110,240	SAN LUIS	L BANOS RES**CVP	34,560	19,450	18,890
	BOCA *	41,140	26,870	27,930	LT PANOCHE **CVP	5,580	660	700	
PROSSER	PROSSER CREEK *	29,840	15,430	13,170	OIL CANYON	CONTRA LOMA *CVP	2,100	2,130	2,090
TRUCKEE	LAKE TAHOE *	732,000	76,460	65,540	KINGS	WISHON	128,300	78,450	77,090
	RYE PATCH *	190,000	NA	NR	PINE FLAT	1,001,500	181,930	133,300	
HUMBOLDT					KAWEAH	TERMINUS	143,000	6,130	8,890
CARSON	LAHONTAN *	317,280	NA	NR	TULE	SUCCESS	82,300	7,580	6,160
	TWIN LAKES	21,600	17,460	19,000	KERN	ISABELLA	588,100	172,040	89,070
	FRENCH MEADOWS	136,400	92,110	85,290	CUYAMA	TWITCHHELL *	240,100	NA	5,160
AMERICAN	HELL HOLE	207,590	134,060	126,430	SANTA YNEZ	LAKE CACHUMA *	190,500	115,450	129,370
	LOON LAKE	76,500	44,100	61,850	COYOTE	LAKE CASITAS *	254,000	183,430	198,340
	ICE HOUSE	46,000	32,700	36,060	Total - 85 Reservoirs	33,790,040	19,570,680	16,449,850	
	UNION VALLEY	277,300	195,540	174,960	Total - 36 USBR Reservoirs	18,992,650	10,893,940	9,300,470	
	SLAB CREEK	16,600	13,720	15,110	Total - 18 CVP Reservoirs	13,572,850	8,566,080	7,161,600	

** - 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	189329	115826				1,865,499
Net	278111	175634	62415	134148	310579	282579	315526	189193	115680				1,863,865
Keswick													
Gross	55128	38974	19917	28206	57454	54658	57746	44195	32516				388,794
Net	54975	38787	19787	27923	57320	54532	57618	44069	32390				387,401
Trinity													
Gross	5793	30013	31356	18379	86019	87879	64914	76896	72894				474,143
Net	5503	29837	31166	18200	85820	87748	64799	76768	72776				472,617
JF Carr													
Gross	1299	36119	33295	15518	44017	56560	50310	78288	74465				389,871
Net	1158	35993	33208	15440	43866	56446	50222	78180	74366				388,879
Spring Creek PP													
Gross	40240	41694	45430	23752	58145	55387	47246	77681	70514				460,089
Net	40073	41552	45293	23628	58003	55259	47132	77546	70398				458,884
Folsom													
Gross	43899	62787	32736	34784	96407	72312	62073	48396	30638				484,032
Net	43692	62621	32554	34616	96234	72107	61880	48226	30448				482,378
Nimbus													
Gross	5709	7685	4185	4071	9870	7518	7110	5682	3785				55,615
Net	5668	7644	4142	4049	9851	7494	7099	5666	3764				55,377
New Melones													
Gross	6308	12196	30784	44387	52957	67830	55169	46551	27630				343,812
Net	6213	12101	30680	44253	52813	67671	55018	46412	27508				342,669
O'Neill													
Gross	0	0	0	523	2016	102	501	144	0				3,286
Net	0	0	0	435	2022	7	308	30	0				2,802
Fed San Luis													
Out Meter	0	0	0	17820	0	14257	44089	19588	1288				97,042
Gross Generation	436,973	405,377	260,263	321,653	717,557	699,204	704,850	586,750	429,556	0	0	0	4,562,183
Net Generation	435,393	404,169	259,245	320,512	716,508	698,100	703,691	585,678	428,618	0	0	0	4,551,914
Stampede (Gross)													
	398	1,075	312	2,045	2,311	949	1,579	501	583				9,753
Stampede (Net)													
	371	1,046	288	2,016	2,290	939	1,565	486	564				9,565
<u>Energy in mwh</u>													
Tracy													
Tot Energy	61295	54825	61731	24949	20517	60303	59314	61633	57853				462,420
Fed Off-Pk	29012	25474	29228	12274	9188	28879	28189	29372	27872				219,488
O'Neill													
Tot Energy	12985	7203	9849	2869	341	2668	501	2840	4537				43,793
Fed Off-Pk	6183	3393	4698	1381	117	1336	256	1420	2293				21,077
San Luis													
Fed Energy	61979	32737	54490	2299	36	124	132	991	14244				167,032
Fed Off-Pk	60284	32707	54415	2224	36	79	102	991	14169				165,007
Dos Amigos													
Fed Energy	6543	12352	10650	12771	12180	15096	32814	22662	8115				133,183
Fed Off-Pk	5295	8316	7635	8190	8475	9771	18384	13482	6105				85,653
Banks - Fed													
Fed Energy	0	0	0	0	0	0	0	0	1664				1,664
Fed Off-Pk	0	0	0	0	0	0	0	0	104				104
Total Energy	142,802	107,117	136,720	42,888	33,074	78,191	92,761	88,126	86,413	0	0	0	808,092
Total Fed Off-Pk	100,774	69,890	95,976	24,069	17,816	40,065	46,931	45,265	50,543	0	0	0	491,329

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

SEPTEMBER 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			
		3,258.6								
1	1,018.56	3,252.3	-6.2	3,251	6,072	0	0	317	.45	.00
2	1,018.44	3,249.5	-2.9	4,731	5,955	0	0	225	.32	.00
3	1,018.21	3,243.9	-5.5	3,809	6,339	0	0	246	.35	.00
4	1,018.06	3,240.4	-3.6	3,887	5,536	0	0	161	.23	.00
5	1,017.98	3,238.4	-1.9	4,264	5,060	0	0	168	.24	.12
6	1,017.82	3,234.6	-3.8	3,130	4,765	0	0	287	.41	.00
7	1,017.64	3,230.3	-4.3	2,893	4,894	0	0	161	.23	.00
8	1,017.56	3,228.4	-1.9	3,504	4,304	0	0	161	.23	.00
9	1,017.42	3,225.1	-3.3	3,463	5,039	0	0	105	.15	.03
10	1,017.31	3,222.5	-2.6	3,142	4,414	0	0	49	.07	.00
11	1,017.16	3,218.9	-3.6	3,583	5,181	0	0	203	.29	.00
12	1,016.99	3,214.9	-4.0	3,918	5,687	0	0	272	.39	.00
13	1,016.77	3,209.6	-5.2	3,607	5,942	0	0	293	.42	.00
14	1,016.50	3,203.2	-6.4	3,253	6,228	0	0	251	.36	.00
15	1,016.25	3,197.3	-5.9	2,979	5,743	0	0	223	.32	.00
16	1,016.17	3,195.4	-1.9	3,881	4,670	0	0	167	.24	.00
17	1,015.99	3,191.2	-4.3	3,122	5,064	0	0	208	.30	.00
18	1,015.88	3,188.6	-2.6	3,439	4,532	0	0	215	.31	.00
19	1,015.80	3,186.7	-1.9	3,538	4,267	0	0	222	.32	.00
20	1,015.68	3,183.9	-2.8	3,143	4,390	0	0	180	.26	.00
21	1,015.50	3,179.6	-4.2	3,579	5,470	0	0	249	.36	.00
22	1,015.39	3,177.0	-2.6	3,469	4,555	0	0	222	.32	.00
23	1,015.28	3,174.4	-2.6	3,387	4,425	0	0	270	.39	.00
24	1,015.16	3,171.6	-2.8	3,622	4,814	0	0	235	.34	.00
25	1,015.13	3,170.9	-0.7	4,098	4,295	0	0	159	.23	.00
26	1,015.02	3,168.3	-2.6	3,524	4,625	0	0	207	.30	.00
27	1,014.92	3,165.9	-2.3	3,527	4,504	0	0	207	.30	.00
28	1,014.79	3,162.9	-3.1	3,200	4,552	0	0	186	.27	.00
29	1,014.68	3,160.3	-2.6	3,313	4,407	0	0	207	.30	.00
30	1,014.64	3,159.4	-0.9	3,672	3,966	0	0	179	.26	.00
TOTALS			-99.0	105,928	149,695	0	0	6,235	8.96	.15
ACRE-FEET			-99,000	210,108	296,920	0	0	12,367		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION
POWER	296,920	OUTLET	0	THIS MONTH = .15
SPILL	0	TOTAL	296,920	JULY 1, 2003 TO DATE = 1.72

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

SEPTEMBER 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)	
		2,071.2								
1	2,345.30	2,063.8	-7.4	471	4,093	0	0	104	.24	.00
2	2,344.81	2,056.6	-7.2	257	3,799	0	0	104	.24	.00
3	2,344.30	2,049.1	-7.5	148	3,825	0	0	108	.25	.00
4	2,343.86	2,042.6	-6.5	168	3,399	0	0	30	.07	.04
5	2,343.45	2,036.6	-6.0	292	3,263	0	0	60	.14	.00
6	2,342.98	2,029.7	-6.9	126	3,483	0	0	116	.27	.00
7	2,342.47	2,022.3	-7.4	148	3,782	0	0	120	.28	.00
8	2,342.00	2,015.4	-6.9	82	3,482	0	0	60	.14	.00
9	2,341.51	2,008.3	-7.1	63	3,375	0	213	68	.16	.10
10	2,341.05	2,001.6	-6.7	115	3,453	0	0	34	.08	.08
11	2,340.68	1,996.2	-5.4	638	3,281	0	0	60	.14	.00
12	2,340.27	1,990.3	-5.9	334	3,234	0	0	94	.22	.00
13	2,339.86	1,984.4	-5.9	248	3,131	0	0	106	.25	.00
14	2,339.43	1,978.2	-6.2	92	3,103	0	0	114	.27	.00
15	2,338.92	1,970.8	-7.3	155	3,770	0	0	89	.21	.00
16	2,338.43	1,963.8	-7.0	78	3,524	0	0	97	.23	.00
17	2,338.00	1,957.6	-6.2	59	3,084	0	0	84	.20	.00
18	2,337.60	1,951.9	-5.7	250	3,047	0	0	80	.19	.00
19	2,337.16	1,945.7	-6.3	298	3,392	0	0	71	.17	.00
20	2,336.76	1,940.0	-5.7	279	3,076	0	0	71	.17	.00
21	2,336.38	1,934.6	-5.4	402	3,029	0	0	92	.22	.00
22	2,336.00	1,929.2	-5.4	307	2,930	0	0	96	.23	.00
23	2,335.61	1,923.7	-5.5	284	2,977	0	0	83	.20	.00
24	2,335.22	1,918.2	-5.5	396	3,089	0	0	83	.20	.00
25	2,334.79	1,912.1	-6.1	270	3,244	0	0	79	.19	.00
26	2,334.35	1,905.9	-6.2	182	3,224	0	0	74	.18	.00
27	2,333.92	1,899.9	-6.0	155	3,115	0	0	82	.20	.00
28	2,333.51	1,894.2	-5.7	135	2,928	0	0	95	.23	.00
29	2,333.03	1,887.5	-6.7	55	3,375	0	0	61	.15	.00
30	2,332.58	1,881.2	-6.3	117	3,197	0	0	74	.18	.00
TOTALS			-190.0	6,604	99,704	0	213	2,489	5.90	.22
ACRE-FEET			-190,000	13,099	197,763	0	422	4,937		

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	197,763	OUTLET	422	THIS MONTH =	.22
SPILL	0	TOTAL	198,185	JULY 1, 2003 TO DATE =	1.69

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

SEPTEMBER 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	
		237.5										
1	1,208.89	237.5	+0.0	2,576	2,526	50	90	0	2,460	26	.28	.00
2	1,209.00	237.9	+0.4	2,764	2,701	63	90	0	2,472	26	.28	.00
3	1,209.16	238.4	+0.5	2,322	2,297	25	90	0	1,954	20	.21	.00
4	1,209.11	238.2	-0.2	2,044	2,030	14	110	0	2,003	12	.13	.01
5	1,209.08	238.2	-0.1	2,113	2,074	39	140	0	2,007	14	.15	.01
6	1,209.06	238.1	-0.1	2,141	2,138	3	140	0	2,015	18	.19	.00
7	1,209.03	238.0	-0.1	2,127	2,114	13	140	0	2,015	20	.21	.00
8	1,209.09	238.2	+0.2	2,207	2,181	26	147	0	1,946	17	.18	.00
9	1,209.12	238.3	+0.1	2,280	2,202	78	160	0	2,060	12	.13	.03
10	1,209.09	238.2	-0.1	2,127	2,113	14	160	0	2,009	6	.06	.01
11	1,209.06	238.1	-0.1	2,121	2,118	3	160	0	1,995	14	.15	.00
12	1,209.04	238.0	-0.1	2,199	2,175	24	182	0	2,028	21	.22	.00
13	1,208.99	237.9	-0.2	2,125	2,110	15	200	0	1,980	26	.28	.00
14	1,208.93	237.7	-0.2	2,134	2,117	17	200	0	2,003	27	.29	.00
15	1,209.01	237.9	+0.3	2,861	2,791	70	200	0	2,511	22	.23	.00
16	1,209.05	238.1	+0.1	2,777	2,768	9	190	0	2,499	23	.24	.00
17	1,208.95	237.7	-0.3	2,552	2,536	16	180	0	2,516	17	.18	.00
18	1,208.90	237.6	-0.2	2,582	2,573	9	180	0	2,462	20	.21	.00
19	1,208.98	237.8	+0.3	2,850	2,798	52	180	0	2,519	23	.24	.00
20	1,208.90	237.6	-0.3	2,518	2,504	14	180	0	2,447	19	.20	.00
21	1,208.84	237.4	-0.2	2,537	2,506	31	180	0	2,428	25	.27	.00
22	1,208.89	237.5	+0.2	2,739	2,730	9	180	0	2,458	21	.22	.00
23	1,208.79	237.2	-0.3	2,516	2,469	47	180	0	2,474	22	.23	.00
24	1,208.70	236.9	-0.3	2,634	2,621	13	180	0	2,576	22	.24	.00
25	1,208.72	237.0	+0.1	2,789	2,745	44	180	0	2,555	22	.24	.00
26	1,208.85	237.4	+0.4	2,937	2,924	13	180	0	2,527	22	.24	.00
27	1,208.94	237.7	+0.3	2,893	2,835	58	180	0	2,548	21	.22	.00
28	1,208.80	237.3	-0.4	2,516	2,483	33	180	0	2,541	19	.20	.00
29	1,208.81	237.3	+0.0	2,791	2,745	46	180	0	2,581	14	.15	.00
30	1,208.91	237.6	+0.3	2,871	2,826	45	180	0	2,517	14	.15	.00
TOTALS			+0.0	74,643	73,750	893	4,919	0	69,106	585	6.22	.06
ACRE-FEET			+0.0	148,054	146,283	1,771	9,757	0	137,072	1,160		

* 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	137,072	OUTLET	9,757	THIS MONTH	.06
SPILL	0	TOTAL	146,829	JULY 1, 2003 TO DATE	1.09

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

SEPTEMBER 2003

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: November 6, 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
		13,889								
1	1,901.34	14,165	+276	4,039	80	100	1,189	2,526	5	.24
2	1,900.62	13,631	-534	3,787	80	100	1,170	2,701	5	.24
3	1,900.96	13,882	+251	3,748	80	100	1,139	2,297	5	.25
4	1,901.27	14,113	+231	3,448	76	100	1,124	2,030	2	.07
5	1,900.95	13,874	-239	3,274	48	100	1,169	2,074	3	.14
6	1,901.12	14,001	+127	3,458	80	100	1,070	2,138	6	.27
7	1,901.44	14,240	+239	3,459	80	100	1,039	2,114	6	.28
8	1,901.24	14,091	-149	3,309	80	100	1,020	2,181	3	.14
9	1,900.81	13,771	-320	3,213	80	100	989	2,202	3	.16
10	1,901.53	14,307	+536	3,535	80	100	970	2,113	2	.08
11	1,901.50	14,285	-22	3,229	80	90	949	2,118	3	.14
12	1,901.47	14,263	-22	3,269	80	90	930	2,175	5	.22
13	1,901.40	14,210	-53	3,147	80	90	889	2,110	5	.25
14	1,901.09	13,978	-232	3,056	80	90	880	2,117	6	.27
15	1,900.56	13,587	-391	3,618	80	90	849	2,791	5	.21
16	1,900.84	13,793	+206	3,535	80	90	488	2,768	5	.23
17	1,900.88	13,823	+30	3,005	80	90	280	2,536	4	.20
18	1,900.78	13,749	-74	2,990	80	90	280	2,573	4	.19
19	1,901.34	14,165	+416	3,462	80	90	280	2,798	4	.17
20	1,901.72	14,450	+285	3,102	80	90	280	2,504	4	.17
21	1,901.89	14,577	+127	3,025	80	90	280	2,506	5	.22
22	1,901.29	14,128	-449	2,959	80	90	280	2,730	5	.23
23	1,901.47	14,263	+135	2,991	80	90	280	2,469	4	.20
24	1,901.58	14,345	+82	3,116	80	90	280	2,621	4	.20
25	1,901.72	14,450	+105	3,252	80	90	280	2,745	4	.19
26	1,901.39	14,203	-247	3,253	80	90	280	2,924	4	.18
27	1,901.02	13,926	-277	3,149	80	90	280	2,835	4	.20
28	1,901.13	14,008	+82	2,979	80	90	280	2,483	5	.23
29	1,901.23	14,083	+75	3,236	80	90	280	2,745	3	.15
30	1,900.99	13,904	-179	3,190	80	90	280	2,826	4	.18
TOTALS			+15	98,833	2,364	2,800	19,784	73,750	127	5.90
ACRE-FEET			+15	196,035	4,689	5,554	39,242	146,283	252	

* 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	4,689	JUDGE FRANCIS CARR POWERPLANT	146,283
TOTAL RIVER	49,485	TOTAL RELEASE	195,768

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

SEPTEMBER 2003

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: November 6, 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	
		567							
1	698.98	579	+12	6	0	0			
2	699.41	588	+9	5	0	0			
3	700.00	602	+14	7	0	0			
4	700.56	615	+13	7	0	0			
5	701.04	626	+11	6	0	0			
6	701.38	634	+8	4	0	0			
7	701.77	643	+9	5	0	0			
8	702.10	651	+8	4	0	0			
9	702.42	659	+8	4	0	0			
10	702.77	667	+8	4	0	0			
11	703.07	675	+8	4	0	0			
12	703.33	681	+6	3	0	0			
13	703.55	687	+6	3	0	0			
14	703.77	692	+5	3	0	0			
15	703.98	698	+6	3	0	0			
16	704.20	703	+5	3	0	0			
17	704.38	708	+5	3	0	0			
18	704.57	713	+5	3	0	0			
19	704.77	718	+5	3	0	0			
20	704.95	723	+5	3	0	0			
21	705.14	728	+5	3	0	0			
22	705.34	733	+5	3	0	0			
23	705.52	738	+5	3	0	0			
24	705.71	742	+4	2	0	0			
25	705.94	748	+6	3	0	0			
26	706.08	752	+4	2	0	0			
27	706.29	758	+6	3	0	0			
28	706.48	763	+5	3	0	0			
29	706.67	768	+5	3	0	0			
30	706.84	773	+5	3	0	0			
TOTALS			+206	111	0	0			
ACRE-FEET			+206	220	0	0			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	0
OUTLET	0
TOTAL	0

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

SEPTEMBER 2003

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: November 6, 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)
		22,322								
1	584.67	22,303	-19	8,906	2,460	6,072	8,908	0	0	8
2	583.73	21,726	-577	8,656	2,472	5,955	8,941	0	0	6
3	584.09	21,946	+220	8,667	1,954	6,339	8,550	0	0	6
4	584.05	21,921	-25	8,041	2,003	5,536	8,050	0	0	4
5	584.05	21,921	+0	7,442	2,007	5,060	7,438	0	0	4
6	584.56	22,236	+315	7,188	2,015	4,765	7,022	0	0	7
7	585.38	22,746	+510	7,272	2,015	4,894	7,011	0	0	4
8	583.90	21,829	-917	6,566	1,946	4,304	7,024	0	0	4
9	585.10	22,570	+741	7,366	2,060	5,039	6,989	0	0	3
10	584.76	22,359	-211	6,890	2,009	4,414	6,995	0	0	1
11	584.43	22,155	-204	7,666	1,995	5,181	7,764	0	0	5
12	583.63	21,665	-490	8,000	2,028	5,687	8,240	0	0	7
13	582.96	21,259	-406	8,299	1,980	5,942	8,497	0	0	7
14	583.41	21,532	+273	8,606	2,003	6,228	8,462	0	0	6
15	584.23	22,032	+500	8,739	2,511	5,743	8,481	0	0	6
16	584.10	21,952	-80	7,590	2,499	4,670	7,626	0	0	4
17	585.47	22,802	+850	7,955	2,516	5,064	7,520	0	0	6
18	584.91	22,451	-351	7,336	2,462	4,532	7,507	0	0	6
19	583.89	21,823	-628	7,211	2,519	4,267	7,522	0	0	6
20	582.63	21,062	-761	7,149	2,447	4,390	7,528	0	0	5
21	584.87	22,427	+1,365	8,225	2,428	5,470	7,530	0	0	7
22	584.50	22,199	-228	7,416	2,458	4,555	7,525	0	0	6
23	584.20	22,013	-186	7,442	2,474	4,425	7,529	0	0	7
24	584.96	22,482	+469	7,770	2,576	4,814	7,528	0	0	6
25	584.22	22,026	-456	7,277	2,555	4,295	7,503	0	0	4
26	584.76	22,359	+333	7,696	2,527	4,625	7,523	0	0	5
27	584.71	22,328	-31	7,505	2,548	4,504	7,516	0	0	5
28	584.79	22,377	+49	7,554	2,541	4,552	7,524	0	0	5
29	584.30	22,075	-302	7,371	2,581	4,407	7,518	0	0	5
30	583.82	21,781	-294	6,892	2,517	3,966	7,035	0	0	5
TOTALS			-541	230,693	69,106	149,695	230,806	0	0	160
ACRE-FEET			-541	457,580	137,072	296,920	457,804	0	0	317

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

SUMMARY
RELEASE (ACRE-FEET)

POWER	457,804
SPILL	0
FISH TRAP	0

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

SEPTEMBER 2003

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: November 6, 2003

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		3,924				
1	252.51	3,928	+4	41	378	8,430
2	252.48	3,914	-14	48	363	8,670
3	252.53	3,938	+24	63	466	8,670
4	252.53	3,938	+0	63	466	8,670
5	252.50	3,924	-14	52	408	7,590
6	252.50	3,924	+0	49	523	6,510
7	252.49	3,919	-5	39	508	6,030
8	252.52	3,933	+14	40	284	6,270
9	252.49	3,919	-14	45	228	6,510
10	252.51	3,928	+9	46	473	6,270
11	252.56	3,953	+25	56	384	5,910
12	252.60	3,973	+20	46	531	6,990
13	252.55	3,948	-25	62	441	7,110
14	252.53	3,938	-10	47	505	8,310
15	252.49	3,919	-19	45	459	7,830
16	248.51	2,301	-1,618	51	282	6,700
17	244.45	1,227	-1,074	51	330	7,761
18	239.05	356	-871	54	287	7,623
19	239.03	354	-2	53	275	7,101
20	239.02	352	-2	55	219	6,924
21	239.02	352	+0	56	305	7,083
22	239.04	355	+3	42	326	7,085
23	239.04	355	+0	56	328	6,923
24	239.02	352	-3	63	328	7,087
25	239.04	355	+3	60	308	6,932
26	239.02	352	-3	56	207	6,876
27	239.04	355	+3	65	186	7,085
28	239.04	355	+0	47	243	7,084
29	239.04	355	+0	36	254	7,091
30	239.04	355	+0	42	248	7,136
TOTALS			-3,569	1,529	10,543	216,261
ACRE-FEET			-3,569	3,033	20,912	428,954

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	3,033
TEHAMA-COLUSA CANAL	20,912
TO SACTO RIVER	428,954
TOTAL	452,899

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

September 2003

Date	Midnight	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)
	Elev (ft)				Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)					
1	458.85	79942	-836	227	598	398	195	5	100	0.41	0	78858	136200
2	458.57	79011	-931	157	577	401	171	5	97	0.4	0	78776	136200
3	458.2	77790	-1221	13	613	434	174	5	31	0.13	0.04	78714	135100
4	457.8	76481	-1309	11	646	451	190	5	50	0.21	0	78674	133500
5	457.41	75216	-1265	31	631	421	205	5	75	0.32	0	78613	132000
6	457	73899	-1317	8	641	428	208	5	61	0.26	0	78562	130600
7	456.61	72658	-1241	6	614	416	193	5	35	0.15	0	78501	129100
8	456.24	71493	-1165	10	569.7	394	173	2.7	55	0.24	0	78450	127600
9	455.88	70370	-1123	16	556	381	175	0	52	0.23	0	78389	126100
10	455.49	69166	-1204	12	572	375	197	0	94	0.42	0	78282	124600
11	455.11	68006	-1160	1	530	332	198	0	111	0.5	0	78201	123200
12	454.71	66798	-1208	4	544	352	192	0	136	0.62	0	78056	122100
13	454.31	65604	-1194	14	558	373	185	0	115	0.53	0	78002	120800
14	453.93	64483	-1121	14	540	363	177	0	77	0.36	0	77932	119400
15	453.65	63666	-817	40	427	237	190	0	49	0.23	0	77831	117900
16	453.38	62885	-781	19	381	183	198	0	63	0.3	0	77722	116400
17	453.12	62139	-746	16	345	180	165	0	94	0.45	0	77107	115000
18	452.88	61455	-684	40	346	179	167	0	77	0.37	0	77520	113600
19	452.64	60777	-678	31	343	187	156	0	60	0.29	0	77456	112100
20	452.39	60077	-700	41	345	199	141	5	98	0.48	0	77361	110700
21	452.16	59437	-640	42	324	179	140	5	81	0.4	0	77259	109200
22	451.83	58528	-909	30	456	311	140	5	64	0.32	0	77164	107700
23	451.43	57440	-1088	20	541	366	175	0	55	0.28	0	77099	106200
24	451	56286	-1154	20	575	381	194	0	54	0.28	0	77004	104900
25	450.58	55175	-1111	17	556	362	194	0	42	0.22	0	77106	103300
26	450.19	54157	-1018	27	518	353	165	0	45	0.24	0	76849	102000
27	449.81	53177	-980	19	492	353	139	0	41	0.22	0	76764	100500
28	449.43	52209	-968	10	476	346	130	0	44	0.24	0	76669	99000
29	449.18	51579	-630	39	343	216	127	0	27	0.15	0	76574	97600
30	448.97	51054	-525	38	284	154	130	0	38	0.21	0	76472	96100
Totals	(sfd)			973	14941.7	9705	5184	52.7					
Totals	(ac-ft)		-29724	1930	29636.9	19249.9			2021				
Totals	(inches)									9.46	0.04		

[1] South Diversion Canal, 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

SEPTEMBER 2003

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: November 6, 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	
		699.9									
1	439.17	698.4	-1.5	1,653	2,056	0	0	290	79	.25	.00
2	438.94	696.2	-2.2	1,687	2,413	0	0	300	82	.26	.00
3	438.81	695.0	-1.2	2,010	2,211	0	0	327	95	.30	.00
4	438.67	693.7	-1.3	1,639	2,087	0	0	166	57	.18	.00
5	438.50	692.0	-1.6	1,584	2,177	0	0	151	70	.22	.00
6	438.32	690.3	-1.7	1,473	1,972	0	0	272	92	.29	.00
7	438.16	688.8	-1.5	1,450	1,884	0	0	264	69	.22	.00
8	438.06	687.9	-1.0	1,577	1,734	0	0	262	60	.19	.00
9	437.89	686.2	-1.6	1,650	2,153	0	0	245	63	.20	.00
10	437.78	685.2	-1.0	1,652	1,872	0	0	241	63	.20	.00
11	437.70	684.5	-0.8	1,798	1,834	0	0	266	79	.25	.00
12	437.58	683.3	-1.1	1,716	1,926	0	0	270	91	.29	.00
13	437.46	682.2	-1.1	1,587	1,796	0	0	268	94	.30	.00
14	437.30	680.7	-1.5	1,550	1,941	0	0	270	100	.32	.00
15	437.13	679.1	-1.6	1,493	1,940	0	1	270	91	.29	.00
16	436.91	677.0	-2.1	1,186	1,893	0	0	256	81	.26	.00
17	436.75	675.5	-1.5	1,317	1,747	0	0	257	69	.22	.00
18	436.54	673.5	-2.0	1,379	2,027	0	0	258	87	.28	.00
19	436.36	671.8	-1.7	1,307	1,817	0	0	263	78	.25	.00
20	436.22	670.5	-1.3	1,379	1,696	0	0	266	78	.25	.00
21	436.01	668.6	-2.0	1,220	1,848	0	0	274	90	.29	.00
22	435.84	667.0	-1.6	1,518	1,955	0	0	268	93	.30	.00
23	435.70	665.7	-1.3	1,825	2,123	0	0	275	84	.27	.00
24	435.64	665.1	-0.6	1,778	1,759	0	0	242	59	.19	.00
25	435.53	664.1	-1.0	1,619	1,798	0	0	272	65	.21	.00
26	435.42	663.1	-1.0	1,620	1,828	0	0	252	56	.18	.00
27	435.28	661.8	-1.3	1,444	1,811	0	0	244	46	.15	.00
28	435.12	660.3	-1.5	1,491	1,953	0	0	246	43	.14	.00
29	435.03	659.4	-0.8	1,846	1,958	0	0	248	62	.20	.00
30	434.89	658.1	-1.3	1,578	1,948	0	0	237	46	.15	.00
TOTALS			-41.7	47,026	58,157	0	1	7,720	2,222	7.10	.00
ACRE-Feet			-41,700	93,276	115,354	0	2	15,313	4,407		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	115,354	OUTLET	2	THIS MONTH =	.00
SPILL	0	TOTAL	130,669	JULY 1, 2003 TO DATE =	.32
PUMPING PLANT	15,313				

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

SEPTEMBER 2003

LAKE NATOMA DAILY OPERATIONS

RUN DATE: November 6, 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	
		7,847							
1	122.75	7,679	-168	1,963	45	1,940	0	60	3
2	123.67	8,106	+427	2,260	45	1,937	0	60	3
3	123.85	8,191	+85	2,095	45	1,943	0	60	4
4	123.61	8,078	-113	1,942	44	1,895	0	58	2
5	123.68	8,111	+33	2,063	45	1,938	0	60	3
6	123.80	8,167	+56	1,876	45	1,739	0	60	4
7	123.70	8,120	-47	1,782	45	1,698	0	60	3
8	123.15	7,862	-258	1,670	45	1,693	0	60	2
9	124.03	8,276	+414	2,001	45	1,684	0	60	3
10	123.86	8,195	-81	1,772	45	1,705	0	60	3
11	123.68	8,111	-84	1,753	45	1,687	0	60	3
12	123.77	8,153	+42	1,825	45	1,695	0	60	4
13	123.42	7,988	-165	1,716	45	1,690	0	60	4
14	123.60	8,073	+85	1,847	45	1,695	0	60	4
15	123.73	8,134	+61	1,837	45	1,697	0	60	4
16	123.76	8,148	+14	1,810	45	1,695	0	60	3
17	123.75	8,144	-4	1,646	45	1,540	0	60	3
18	124.22	8,371	+227	1,915	45	1,692	0	60	4
19	123.85	8,191	-180	1,716	45	1,699	0	60	3
20	123.16	7,866	-325	1,640	45	1,696	0	60	3
21	123.04	7,810	-56	1,773	45	1,692	0	60	4
22	123.48	8,017	+207	1,903	45	1,690	0	60	4
23	124.32	8,421	+404	1,998	45	1,686	0	60	3
24	123.83	8,181	-240	1,675	45	1,689	0	60	2
25	123.50	8,026	-155	1,723	45	1,693	0	60	3
26	123.28	7,923	-103	1,749	45	1,694	0	60	2
27	122.94	7,764	-159	1,720	45	1,693	0	60	2
28	123.08	7,829	+65	1,832	45	1,692	0	60	2
29	123.29	7,927	+98	1,829	45	1,672	0	60	3
30	123.50	8,026	+99	1,845	45	1,688	0	60	2
TOTALS			+179	55,176	1,349	51,847	0	1,798	92
ACRE-FEET			+179	109,442	2,676	102,839	0	3,566	182

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	102,839	FOLSOM SOUTH CANAL	2,676	TOTAL	109,081
SPILL	0	HATCHERY	3,566		

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

SEPTEMBER 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		
		1,303.7									
1	980.97	1,302.8	-0.9	823	1,180	0	0	116	.42	.00	
2	980.82	1,301.5	-1.3	961	1,477	0	0	127	.46	.00	
3	980.76	1,301.0	-0.5	904	1,032	0	0	129	.47	.00	
4	980.70	1,300.5	-0.5	741	915	0	0	83	.30	.00	
5	980.61	1,299.7	-0.8	793	1,074	0	0	105	.38	.00	
6	980.48	1,298.6	-1.1	592	1,061	0	0	88	.32	.00	
7	980.36	1,297.6	-1.0	756	1,188	0	0	82	.30	.00	
8	980.26	1,296.7	-0.9	656	1,011	0	0	74	.27	.00	
9	980.13	1,295.6	-1.1	646	1,121	0	0	82	.30	.00	
10	980.11	1,295.5	-0.2	748	793	0	0	41	.15	.00	
11	980.02	1,294.7	-0.8	777	1,081	0	0	82	.30	.00	
12	979.93	1,293.9	-0.8	869	1,155	0	0	99	.36	.00	
13	979.76	1,292.5	-1.4	791	1,426	0	0	90	.33	.00	
14	979.62	1,291.3	-1.2	747	1,254	0	0	90	.33	.00	
15	979.45	1,289.9	-1.4	711	1,337	0	0	99	.36	.00	
16	979.20	1,287.8	-2.1	611	1,571	0	0	107	.39	.00	
17	979.03	1,286.3	-1.4	782	1,400	0	0	107	.39	.00	
18	978.86	1,284.9	-1.4	712	1,361	0	0	74	.27	.00	
19	978.72	1,283.7	-1.2	851	1,356	0	0	90	.33	.00	
20	978.56	1,282.4	-1.3	835	1,422	0	0	93	.34	.00	
21	978.57	1,282.4	+0.1	927	783	0	0	101	.37	.00	
22	978.53	1,282.1	-0.3	1,083	1,149	0	0	104	.38	.00	
23	978.53	1,282.1	+0.0	849	734	0	0	115	.42	.00	
24	978.53	1,282.1	+0.0	700	615	0	0	85	.31	.00	
25	978.51	1,281.9	-0.2	711	722	0	0	74	.27	.00	
26	978.56	1,282.4	+0.4	879	585	0	0	82	.30	.00	
27	978.59	1,282.6	+0.3	662	488	0	0	46	.17	.00	
28	978.70	1,283.5	+0.9	519	0	0	0	52	.19	.00	
29	978.37	1,280.8	-2.8	330	1,677	0	0	55	.20	.00	
30	978.31	1,280.3	-0.5	432	611	0	0	76	.28	.00	
TOTALS			-23.4	22,398	31,579	0	0	2,648	9.66	.00	
ACRE-FEET			-23,400	44,426	62,637	0	0	5,252			

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	62,637	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	62,637	JULY 1, 2003 TO DATE =	.63

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

SEPTEMBER 2003

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET RES.	CHANGE		RELEASE	OUTLET	SPILL	JOINT MAIN
		543						
1	360.08	543	+0	1,607	0	272	830	420
2	360.08	543	+0	1,366	0	270	582	425
3	360.08	543	+0	1,189	0	273	359	432
4	360.08	543	+0	1,176	0	271	319	441
5	360.08	543	+0	1,164	0	272	314	441
6	360.08	543	+0	1,149	0	273	312	441
7	360.05	541	-2	1,099	0	273	277	427
8	360.08	543	+2	1,076	0	274	267	421
9	360.05	541	-2	1,046	0	268	258	421
10	360.08	543	+2	1,010	0	271	248	387
11	360.08	543	+0	1,281	0	275	531	378
12	360.08	543	+0	1,440	0	270	719	379
13	360.08	543	+0	1,433	0	271	720	368
14	360.08	543	+0	1,449	0	269	743	351
15	360.05	541	-2	1,441	0	261	749	340
16	360.05	541	+0	1,421	0	253	752	326
17	360.05	541	+0	1,441	0	253	757	338
18	360.05	541	+0	1,446	0	251	754	345
19	360.05	541	+0	1,435	0	250	752	345
20	360.05	541	+0	1,409	0	250	752	344
21	360.05	541	+0	1,403	0	253	753	344
22	360.05	541	+0	1,236	0	251	627	321
23	360.05	541	+0	956	0	251	347	297
24	360.05	541	+0	851	0	250	235	298
25	360.03	539	-2	828	0	234	226	298
26	360.05	541	+2	823	0	223	226	298
27	360.05	541	+0	825	0	228	229	298
28	360.05	541	+0	840	0	224	254	298
29	360.03	539	-2	836	0	220	278	287
30	360.03	539	+0	839	0	226	275	278
TOTALS			-4	35,515	0	7,680	14,445	10,787
ACRE-FEET			-4	70,444	0	15,233	28,652	21,396

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	28,652	OUTLET	0
SOUTH MAIN CANAL	21,396	SPILL	15,233
		TOTAL	65,281

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

SEPTEMBER 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		
		252.5								
1	511.20	250.1	-2.4	1,419	534	1,791	0	245	34	.33
2	510.64	248.3	-1.8	1,771	506	1,887	0	245	37	.36
3	509.84	245.8	-2.6	1,397	518	1,878	0	248	40	.39
4	509.00	243.1	-2.7	1,308	527	1,838	0	250	39	.38
5	508.36	241.1	-2.0	1,333	545	1,527	0	250	28	.28
6	507.81	239.4	-1.7	1,094	523	1,160	0	250	33	.33
7	507.39	238.0	-1.3	1,267	431	1,217	0	249	32	.32
8	506.60	235.6	-2.5	892	464	1,390	0	247	31	.31
9	506.03	233.8	-1.8	1,295	463	1,451	0	247	25	.25
10	505.60	232.5	-1.3	1,509	446	1,451	0	247	33	.33
11	505.15	231.1	-1.4	1,399	441	1,386	0	247	23	.23
12	504.67	229.6	-1.5	1,150	439	1,175	0	246	31	.31
13	504.03	227.7	-2.0	659	453	913	0	246	31	.32
14	503.76	226.9	-0.8	1,294	434	998	0	246	28	.29
15	503.30	225.5	-1.4	1,211	413	1,223	0	246	31	.32
16	502.55	223.2	-2.3	889	392	1,361	0	246	28	.29
17	502.01	221.6	-1.6	1,154	299	1,394	0	245	33	.34
18	501.62	220.4	-1.2	1,238	271	1,291	0	235	26	.27
19	501.37	219.7	-0.7	1,295	310	1,112	0	221	28	.29
20	501.30	219.5	-0.2	1,462	301	1,015	0	221	30	.31
21	501.26	219.4	-0.1	1,536	282	1,063	0	221	30	.31
22	500.98	218.5	-0.8	1,291	248	1,215	0	221	27	.28
23	500.69	217.7	-0.9	1,390	235	1,335	0	221	31	.32
24	500.56	217.3	-0.4	1,654	234	1,365	0	221	27	.28
25	500.17	216.1	-1.2	1,200	234	1,303	0	221	22	.23
26	499.95	215.5	-0.6	1,273	233	1,127	0	221	19	.20
27	500.10	215.9	+0.4	1,664	233	968	0	221	20	.21
28	499.94	215.5	-0.5	1,226	233	986	0	221	23	.24
29	499.97	215.6	+0.1	1,556	233	1,032	0	221	26	.27
30	499.79	215.0	-0.5	1,183	174	1,032	0	220	23	.24
TOTALS			-37.4	39,009	11,049	38,884	0	7,086	869	8.83
ACRE-FEET			-37,442	77,374	21,916	77,126	0	14,055	1,724	

COMMENTS:

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

SUMMARY			
RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS		RIVER	
FRIANT-KERN	77,126	AT FRIANT	14,055
MADERA	21,916	TOTAL RELEASES	113,097
		THIS MONTH =	0.00
		JULY 1, 2003 TO DATE =	0.01

Table 16

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

September 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-Sep-03	16,480	252	0	409	1,424	1,418	1,480	18,565	3,200	7,167	4,196	197	40	81	11,600	11,344	3,765	5,125	3,765	61.0%	59.9%	58.1%
2-Sep-03	16,363	252	0	356	1,480	1,411	1,465	18,451	3,200	7,060	4,424	202	0	88	11,773	11,342	3,478	4,507	3,621	62.2%	61.0%	58.3%
3-Sep-03	16,232	252	0	361	1,449	1,406	1,431	18,294	3,150	7,138	4,401	206	12	83	11,816	11,462	3,328	3,980	3,523	63.0%	62.1%	58.9%
4-Sep-03	16,246	252	0	347	1,363	1,401	1,403	18,208	3,100	7,111	4,384	206	42	86	11,745	11,506	3,363	3,810	3,483	62.9%	62.7%	59.2%
5-Sep-03	16,738	252	0	363	1,318	1,388	1,384	18,671	3,050	7,048	4,380	209	47	77	11,666	11,487	3,955	3,747	3,578	61.0%	62.3%	59.0%
6-Sep-03	17,047	252	0	369	1,310	1,387	1,381	18,978	3,000	7,011	4,394	211	25	62	11,652	11,442	4,326	3,745	3,702	60.0%	61.2%	58.9%
7-Sep-03	16,764	252	0	364	1,365	1,394	1,394	18,745	2,950	7,036	4,387	212	50	71	11,655	11,418	4,140	3,765	3,765	60.7%	60.5%	59.2%
8-Sep-03	16,583	252	0	368	1,472	1,402	1,412	18,675	2,900	6,773	3,952	205	53	80	10,957	11,184	4,818	3,915	3,897	57.1%	59.3%	58.5%
9-Sep-03	16,499	252	0	352	1,535	1,400	1,414	18,638	2,900	7,093	4,056	208	40	79	11,395	11,099	4,343	4,039	3,946	59.6%	59.1%	58.5%
10-Sep-03	16,342	252	0	336	1,437	1,398	1,408	18,367	2,850	6,926	4,399	199	48	80	11,556	11,066	3,961	4,130	3,948	61.4%	59.4%	58.7%
11-Sep-03	16,770	252	0	332	1,346	1,407	1,405	18,700	2,800	6,987	4,380	187	62	86	11,577	11,280	4,323	4,267	3,982	60.5%	60.5%	60.1%
12-Sep-03	17,052	252	0	326	1,384	1,416	1,403	19,014	2,750	7,101	4,384	176	56	97	11,702	11,392	4,562	4,353	4,030	60.1%	60.6%	60.7%
13-Sep-03	16,911	252	0	312	1,373	1,421	1,402	18,848	2,700	7,176	4,382	149	38	80	11,749	11,470	4,399	4,364	4,059	61.1%	60.6%	61.3%
14-Sep-03	16,353	252	0	314	1,398	1,416	1,405	18,317	2,650	7,121	4,391	130	40	73	11,675	11,519	3,992	4,343	4,054	62.6%	61.3%	61.7%
15-Sep-03	15,782	252	0	295	1,440	1,423	1,417	17,769	2,600	7,145	3,440	138	71	72	10,724	11,219	4,445	4,289	4,080	59.2%	61.0%	60.2%
16-Sep-03	15,337	252	0	291	1,580	1,431	1,421	17,460	2,600	7,158	2,809	144	44	71	10,138	10,688	4,722	4,343	4,120	56.8%	59.6%	57.6%
17-Sep-03	15,733	252	0	283	1,493	1,432	1,418	17,761	2,550	7,173	3,481	150	40	68	10,831	10,402	4,380	4,403	4,135	59.8%	58.6%	56.1%
18-Sep-03	16,220	252	0	280	1,355	1,424	1,413	18,107	2,500	7,161	4,389	149	38	88	11,748	10,724	3,859	4,337	4,120	63.6%	60.1%	58.0%
19-Sep-03	16,329	252	0	273	1,328	1,423	1,410	18,182	2,450	7,169	4,384	143	46	76	11,726	11,252	4,006	4,257	4,114	63.3%	62.2%	60.9%
20-Sep-03	15,587	252	0	254	1,368	1,416	1,407	17,461	2,450	7,153	4,387	132	50	72	11,693	11,548	3,318	4,103	4,074	65.8%	64.2%	62.9%
21-Sep-03	14,996	252	0	228	1,351	1,416	1,409	16,827	2,400	7,125	4,326	133	25	74	11,632	11,515	2,795	3,932	4,013	67.9%	65.6%	63.2%
22-Sep-03	14,547	252	0	218	1,437	1,395	1,410	16,454	2,350	6,808	4,498	169	43	81	11,513	11,432	2,591	3,667	3,949	68.4%	67.4%	63.3%
23-Sep-03	14,266	252	0	203	1,432	1,365	1,404	16,153	2,350	7,097	4,406	198	29	86	11,758	11,420	2,045	3,285	3,866	71.0%	69.1%	63.9%
24-Sep-03	13,603	252	0	203	1,286	1,350	1,398	15,344	2,300	6,298	4,398	182	30	87	10,935	11,168	2,109	2,960	3,793	69.5%	69.7%	63.3%
25-Sep-03	13,519	252	0	212	1,246	1,336	1,391	15,229	2,250	5,797	4,412	163	35	94	10,432	10,803	2,547	2,773	3,743	66.8%	69.2%	62.1%
26-Sep-03	13,659	252	0	211	1,233	1,326	1,388	15,355	2,250	5,937	4,417	146	63	84	10,522	10,420	2,583	2,570	3,698	67.0%	67.8%	60.7%
27-Sep-03	13,239	252	0	243	1,300	1,326	1,386	15,034	2,200	6,097	4,440	133	60	71	10,681	10,367	2,153	2,403	3,641	69.7%	67.8%	61.3%
28-Sep-03	13,010	252	0	240	1,350	1,310	1,384	14,852	2,200	5,879	4,493	136	50	62	10,518	10,421	2,134	2,309	3,587	69.5%	68.7%	62.5%
29-Sep-03	12,730	252	0	245	1,321	1,302	1,384	14,548	2,150	5,480	4,501	114	0	54	10,150	10,297	2,248	2,260	3,541	68.6%	69.3%	62.8%
30-Sep-03	12,841	252	0	243	1,375	1,311	1,382	14,711	2,150	5,277	4,488	90	0	67	9,921	10,039	2,640	2,345	3,511	66.4%	68.2%	62.1%
Total	463,778	7,560	0	8,831	41,549	41,649	42,206	521,718	78,950	203,501	127,779	5,014	1,180	2,326	337,441	332,727	105,327	112,327	115,337	1906.5%	1898.8%	1812.0%
Average	15,459	252	0	294	1,385	1,388	1,407	17,391	2,632	6,783	4,259	167	39	78	11,248	11,091	3,511	3,744	3,511	63.6%	63.3%	60.4%

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

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
STATE WATER PROJECT

SEPTEMBER 2003

CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR
DAILY OPERATIONS

RUN DATE: November 6, 2003

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION		PRECIP INCHES
		IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL		C.F.S.	INCHES	
		787,480									
1	430.89	789,143	+1,663	2,435	1,080	246	0	-271	141	.47	.00
2	431.19	791,916	+2,773	2,707	1,075	268	0	+35	161	.54	.00
3	431.87	798,216	+6,300	3,431	0	100	0	-154	201	.67	.00
4	432.28	802,022	+3,806	4,048	1,874	101	0	-155	162	.54	.00
5	432.98	808,535	+6,513	3,509	0	100	0	-125	151	.50	.00
6	433.30	811,518	+2,983	1,623	0	102	0	-17	135	.45	.00
7	433.90	817,121	+5,603	3,155	0	102	0	-227	97	.32	.00
8	434.26	820,490	+3,369	1,893	0	10	0	-185	145	.48	.00
9	434.77	825,270	+4,780	2,612	0	0	0	-202	137	.45	.00
10	435.69	833,917	+8,647	4,463	0	0	0	-104	104	.34	.00
11	436.53	841,838	+7,921	4,123	0	0	0	-129	129	.42	.00
12	437.41	850,164	+8,326	4,359	0	0	0	-162	162	.53	.00
13	438.12	856,902	+6,738	3,529	0	0	0	-132	132	.43	.00
14	438.61	861,563	+4,661	2,498	0	0	0	-148	126	.41	.00
15	439.09	866,137	+4,574	2,408	0	113	0	+11	148	.48	.00
16	439.57	870,719	+4,582	2,676	96	10	0	-260	167	.54	.00
17	440.24	877,128	+6,409	3,733	222	15	0	-265	164	.53	.00
18	441.05	884,898	+7,770	4,259	150	48	0	-144	112	.36	.00
19	441.57	889,898	+5,000	2,729	150	55	0	-2	125	.40	.00
20	441.63	890,476	+578	533	0	55	0	-187	128	.41	.00
21	442.97	903,407	+12,931	6,703	0	48	0	-135	135	.43	.00
22	443.26	906,214	+2,807	1,504	0	36	0	-52	103	.33	.00
23	444.07	914,070	+7,856	4,050	0	36	0	-53	141	.45	.00
24	444.66	919,806	+5,736	3,352	0	42	0	-417	158	.50	.00
25	445.12	924,287	+4,481	2,375	0	41	0	-75	123	.39	.00
26	445.59	928,873	+4,586	2,374	0	41	0	-20	126	.40	.00
27	445.83	931,217	+2,344	1,407	0	54	0	-170	70	.22	.00
28	446.22	935,032	+3,815	2,110	0	54	0	-133	82	.26	.00
29	446.38	936,598	+1,566	967	0	35	0	-142	136	.43	.00
30	446.65	939,243	+2,645	1,583	0	149	0	-100	108	.34	.00
TOTALS			+151,763	87,148	4,647	1,861	0	-4,120	4,009	13.02	.00
ACRE-FEET			+151,763	172,858	9,217	3,691	0	-8,172	7,952		

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	9,217	SPILL	0	THIS MONTH =	.00
PACHECO TUNNEL	3,691	TOTAL	12,908	JULY 1, 2003 TO DATE =	.35

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

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
STATE WATER PROJECT

SEPTEMBER 2003

CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY
DAILY OPERATIONS

RUN DATE: November 6, 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		
		48,783									
1	222.70	50,246	+1,463	1,682	1,080	6,210	0	2,435	6,323		+523
2	222.42	49,501	-745	1,448	1,075	6,070	0	2,707	6,224		-38
3	221.95	48,255	-1,246	1,307	0	6,300	0	3,431	5,748		+944
4	222.35	49,314	+1,059	1,277	1,874	6,195	0	4,048	5,294		+530
5	220.99	45,734	-3,580	1,326	0	6,333	0	3,509	6,895		+940
6	220.47	44,374	-1,360	1,491	0	6,177	0	1,623	7,574		+843
7	220.83	45,315	+941	1,720	0	6,466	0	3,155	5,382		+825
8	222.10	48,650	+3,335	1,548	0	6,516	0	1,893	5,332		+842
9	222.51	49,740	+1,090	1,500	0	6,174	0	2,612	5,105		+592
10	221.30	46,547	-3,193	1,632	0	6,097	0	4,463	5,118		+242
11	221.00	45,760	-787	1,701	0	6,710	0	4,123	5,166		+481
12	220.30	43,931	-1,829	1,654	0	6,228	0	4,359	4,867		+422
13	220.40	44,192	+261	1,631	0	6,108	0	3,529	4,974		+895
14	221.11	46,049	+1,857	1,613	0	6,540	0	2,498	5,100		+380
15	221.82	47,914	+1,865	900	0	6,278	0	2,408	4,396		+566
16	221.55	47,204	-710	0	96	6,286	0	2,676	4,394		+330
17	220.47	44,374	-2,830	305	222	5,711	0	3,733	4,366		+435
18	219.23	41,170	-3,204	1,102	150	5,929	0	4,259	5,045		+507
19	220.02	43,204	+2,034	1,163	150	6,458	0	2,729	4,772		+755
20	222.11	48,677	+5,473	1,282	0	6,322	0	533	4,692		+381
21	219.10	40,839	-7,838	1,396	0	6,082	0	6,703	5,222		+496
22	221.27	46,469	+5,630	1,263	0	6,444	0	1,504	3,772		+407
23	220.90	45,498	-971	1,146	0	6,199	0	4,050	4,170		+385
24	220.49	44,427	-1,071	1,102	0	5,672	0	3,352	4,390		+429
25	220.05	43,282	-1,145	1,133	0	4,946	0	2,375	4,910		+628
26	219.62	42,170	-1,112	1,108	0	5,159	0	2,374	4,932		+477
27	220.10	43,411	+1,241	1,257	0	5,317	0	1,407	5,073		+531
28	220.09	43,386	-25	1,341	0	5,007	0	2,110	4,518		+268
29	220.77	45,158	+1,772	1,369	0	4,901	0	967	4,811		+401
30	220.87	45,420	+262	1,276	0	4,427	0	1,583	4,288		+684
TOTALS			-3,363	38,673	4,647	179,262	0	87,148	152,853		+16,101
ACRE-FEET			-3,363	76,708	9,217	355,566	0	172,858	303,184	763	31,936

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	303,184		
SAN LUIS PUMP	172,858	DELIVERIES	763	TOTAL	476,805

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

SEPTEMBER 2003

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: October 2, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL PUMPING			GENER	SAN LUIS PUMPING			SAN LUIS GENERATION			PACHECO	DOS AMIGOS		
	STATE	FED	TOTAL	FED	STATE	TOTAL	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL	PUMP	FED	STATE	TOTAL
1	12,318	0	12,318	3,336	0	3,336	0	0	4,830	4,830	2,017	125	2,142	488	6,565	5,976	12,541
2	12,040	0	12,040	2,873	0	2,873	0	0	5,369	5,369	2,002	131	2,133	532	6,483	5,863	12,346
3	12,497	0	12,497	2,592	0	2,592	0	0	6,805	6,805	0	0	0	199	6,549	4,853	11,402
4	12,288	0	12,288	2,533	0	2,533	0	0	8,030	8,030	3,331	386	3,717	200	6,911	3,589	10,500
5	12,562	0	12,562	2,630	0	2,630	0	0	6,960	6,960	0	0	0	199	3,043	10,634	13,677
6	12,252	0	12,252	2,958	0	2,958	0	0	3,220	3,220	0	0	0	203	3,115	11,908	15,023
7	12,825	0	12,825	3,412	0	3,412	0	3,074	3,183	6,257	0	0	0	203	3,142	7,533	10,675
8	12,925	0	12,925	3,070	0	3,070	0	1,641	2,113	3,754	0	0	0	19	3,114	7,462	10,576
9	12,247	0	12,247	2,976	0	2,976	0	724	4,457	5,181	0	0	0	0	1,586	8,540	10,126
10	12,094	0	12,094	3,238	0	3,238	0	3,105	5,748	8,853	0	0	0	0	1,562	8,590	10,152
11	13,309	0	13,309	3,373	0	3,373	0	2,951	5,226	8,177	0	0	0	0	1,536	8,711	10,247
12	12,354	0	12,354	3,281	0	3,281	0	1,574	7,073	8,647	0	0	0	0	1,556	8,098	9,654
13	12,115	0	12,115	3,236	0	3,236	0	1,702	5,298	7,000	0	0	0	0	1,495	8,370	9,865
14	12,972	0	12,972	3,200	0	3,200	0	1,256	3,698	4,954	0	0	0	0	1,582	8,533	10,115
15	12,453	0	12,453	1,786	0	1,786	0	0	4,777	4,777	0	0	0	225	1,525	7,195	8,720
16	12,469	0	12,469	0	0	0	0	0	5,308	5,308	0	190	190	20	1,551	7,165	8,716
17	11,327	0	11,327	604	0	604	0	0	7,405	7,405	0	441	441	30	986	7,674	8,660
18	11,760	0	11,760	2,186	0	2,186	0	4,804	3,644	8,448	0	298	298	95	994	9,012	10,006
19	12,810	0	12,810	2,306	0	2,306	0	0	5,412	5,412	0	298	298	110	986	8,480	9,466
20	12,540	0	12,540	2,542	0	2,542	0	0	1,058	1,058	0	0	0	109	965	8,342	9,307
21	12,063	0	12,063	2,768	0	2,768	0	6,377	6,918	13,295	0	0	0	96	536	9,821	10,357
22	12,082	700	12,782	2,505	0	2,505	0	1,244	1,739	2,983	0	0	0	72	522	6,960	7,482
23	11,595	700	12,295	2,274	0	2,274	0	2,485	5,548	8,033	0	0	0	72	525	7,746	8,271
24	10,550	700	11,250	2,185	0	2,185	0	2,847	3,801	6,648	0	0	0	84	528	8,180	8,708
25	9,111	700	9,811	2,248	0	2,248	0	1,588	3,123	4,711	0	0	0	81	525	9,214	9,739
26	9,533	700	10,233	2,198	0	2,198	0	3,176	1,532	4,708	0	0	0	82	530	9,252	9,782
27	9,846	700	10,546	2,494	0	2,494	0	2,813	-23	2,790	0	0	0	108	514	9,549	10,063
28	9,931	0	9,931	2,660	0	2,660	0	4,186	-1	4,185	0	0	0	107	517	8,445	8,962
29	9,022	700	9,722	2,716	0	2,716	0	1,948	-30	1,918	0	0	0	70	528	9,015	9,543
30	8,081	700	8,781	2,531	0	2,531	0	3,196	-57	3,139	0	0	0	295	526	7,979	8,505

AQUEDUCT	O'NEILL PUMPING			O'NEILL	SAN LUIS PUMPING			SAN LUIS GENERATION			PACHECO	DOS AMIGOS				
CHECK 12	TOTAL	FEDERAL	STATE	TOTAL	TOTAL	FEDERAL	STATE	TOTAL	TOTAL	FEDERAL	STATE	TOTAL	TOTAL	FEDERAL	STATE	TOTAL
TOTAL	355,571	76,711	0	0	172,855	9,219	3,699	303,186								
FEDERAL	5,600	76,711			50,691	7,350		60,497								
STATE	349,971	0			122,164	1,869		242,689								
								XVC								0

COMMENTS: ALL VALUES IN ACRE-FEET

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

SEPTEMBER 2003

FEDERAL-STATE OPERATIONS

RUN DATE: October 2, 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	8,323	0	8,323	14,215	13,812	0	13,812	0	0	80	9,799	0	9,799	4,987	
2	8,775	0	8,775	14,003	13,701	0	13,701	0	0	0	9,724	0	9,724	5,902	
3	8,730	0	8,730	14,159	13,899	0	13,899	0	0	23	9,910	0	9,910	6,138	
4	8,695	0	8,695	14,105	13,827	0	13,827	0	0	84	8,999	0	8,999	6,162	
5	8,688	0	8,688	13,979	13,885	0	13,885	0	0	94	9,859	0	9,859	6,058	
6	8,715	0	8,715	13,906	13,985	0	13,985	0	0	50	11,789	0	11,789	5,757	
7	8,701	0	8,701	13,955	14,006	0	14,006	0	0	100	9,020	0	9,020	5,289	
8	7,839	0	7,839	13,434	13,846	0	13,846	0	0	105	8,233	0	8,233	4,769	
9	8,045	0	8,045	14,069	13,968	0	13,968	0	0	80	8,677	0	8,677	5,069	
10	8,726	0	8,726	13,737	13,879	0	13,879	0	0	95	9,052	0	9,052	5,488	
11	8,687	0	8,687	13,858	14,855	0	14,855	0	0	122	8,170	0	8,170	5,314	
12	8,696	0	8,696	14,085	13,844	0	13,844	0	0	112	8,057	0	8,057	5,415	
13	8,691	0	8,691	14,234	14,266	0	14,266	0	0	75	9,363	0	9,363	5,455	
14	8,710	0	8,710	14,125	14,261	0	14,261	0	0	80	8,023	0	8,023	5,510	
15	6,823	0	6,823	14,173	13,774	0	13,774	0	0	140	7,516	0	7,516	5,037	
16	5,572	0	5,572	14,198	13,809	0	13,809	0	0	88	7,865	0	7,865	5,572	
17	6,905	0	6,905	14,227	13,911	0	13,911	0	0	79	7,869	0	7,869	6,301	
18	8,706	0	8,706	14,203	13,309	0	13,309	0	0	76	8,212	0	8,212	6,520	
19	8,696	0	8,696	14,220	13,978	0	13,978	0	0	91	8,049	0	8,049	6,390	
20	8,702	0	8,702	14,188	14,002	0	14,002	0	0	100	8,140	0	8,140	6,160	
21	8,580	0	8,580	14,132	14,341	0	14,341	0	0	50	9,087	0	9,087	5,812	
22	8,921	0	8,921	13,504	13,213	700	13,913	0	0	86	6,333	0	6,333	6,416	
23	8,739	0	8,739	14,077	13,019	700	13,719	0	0	57	7,960	0	7,960	6,465	
24	8,724	0	8,724	12,492	11,539	700	12,239	0	0	59	6,939	0	6,939	6,539	
25	8,751	0	8,751	11,499	10,643	700	11,343	0	0	69	8,003	0	8,003	6,503	
26	8,762	0	8,762	11,777	10,888	700	11,588	0	0	125	7,557	0	7,557	6,564	
27	8,807	0	8,807	12,094	10,735	700	11,435	0	0	120	8,506	0	8,506	6,313	
28	8,911	0	8,911	11,661	11,367	0	11,367	0	0	100	7,606	0	7,606	6,251	
29	8,928	0	8,928	10,870	10,105	700	10,805	0	0	0	8,351	0	8,351	6,212	
30	8,902	0	8,902	10,466	9,529	700	10,229	0	0	0	8,030	0	8,030	6,371	
TOTALS	253,450	0	253,450	403,645	394,196	5,600	399,796	0	0	2,340	254,698	0	254,698	176,739	

COMMENTS: ALL VALUES IN ACRE-FEET

- FED BANKS: 09/22/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/23/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/24/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/25/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/26/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/27/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/29/03 - 700 AF is EWA (Yuba transfer) Water.
- FED BANKS: 09/30/03 - 700 AF is EWA (Yuba transfer) Water.

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	13162	9946				125962
Delta-Mendota	261583	236924	267282	112816	89901	262129	257780	264427	253450				2006292
Actual Fed Dos Amigos	62174	84109	70926	80774	85819	177721	211095	148067	NR				920685
Madera	0	0	0	13220	44954	223582	59818	43847	21916				407337
Friant-Kern	11709	25236	22047	76355	186269	57143	205266	146210	77126				807361
Corning	0	258	0	115	1452	3628	4064	3697	3033				16247
Folsom-South	2434	2150	1503	2168	2684	2678	2737	2767	2676				21797
Sly Park - Camino Conduit	1041	922	1079	1073	1906	3882	4657	2527	2299				19386
Tehama-Colusa	0	1519	4300	11669	31714	58521	59904	38579	20912				227118
CACHUMA PROJECT													
Tecolote Tunnel	2158	1838	2197	1073	2172	2319	3208	3486	2970				21421
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0	0	0	25680	42640	60400	61020	39140				228880
Klamath Drainage District	12524	10825	9861	2831	2320	12547	11822	9870	11020				83620
Clear Lake Reservoir	0	0	0	0	2340	20860	3490	3260	3190				33140
Gerber Reservoir	0	0	0	0	2100	9960	4360	3700	2840				22960
Klamath River to Lost River	0	0	0	0	0	17607	9608	1933	11590				40738
ORLAND PROJECT													
Stony Creek	0	0	0	0	8503	18847	19686	17414	14939				79389
South Canal	0	0	0	0	6383	12891	13601	12269	10635				55779
North Canal	0	0	0	0	2120	5956	6085	5145	4304				23610
SOLANO PROJECT													
Putah South Canal	3733	3201	4923	9362	17340	32490	37256	29116	23306				160727

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					114
Arvin-Edison WSD	1707	2374	0	20465	51429	17279	0	5016	8636				106906
Atwell Island WD	0	0	0	0	0	0	0	0	0				0
Delano-Earlimart ID	0	2960	3771	7150	15362	25234	26958	15936	12119				109490
Exeter ID	0	10	79	136	679	2025	2909	2743	2390				10971
City of Fresno	0	837	4	7	15	0	25830	29634	3261				59588
County of Fresno SA #34	4	3	20	15	48	79	95	80	80				424
Fresno ID	0	0	0	0	67	169	3651	0	0				3887
Garfield WD	0	0	61	174	278	491	525	388	316				2233
Hills Valley ID	0	0	17	33	404	699	905	792	774				3624
International WD	25	53	0	89	64	252	259	266	239				1247
Ivanhoe ID	0	0	0	952	2513	1341	2250	1679	1408				10143
Kaweah Delta WCD	0	0	0	0	0	386	0	0	0				386
Kern County Water Agency	0	0	0	0	0	0	0	0	0				0
Kern-Tulare WD	0	0	1715	1734	978	4247	4863	3942	3153				20632
Kings County WD	0	0	0	0	0	376	0	0	0				376
Kings River CD	0	0	0	0	0	3457	0	0	0				3457
Lewis Creek WD	0	0	0	0	0	0	0	0	0				0
Lindmore ID	0	0	129	828	2989	7697	9762	8858	6928				37191
City of Lindsay	0	45	168	162	257	214	266	269	259				1640
Lindsay-Strathmore ID	5	117	0	0	0	2423	4368	4144	3662				14719
Wutchumna (Lindsey-Strathmore non-proje	0	0	202	723	1944	1179	0	0	0				4048
Lower Tule River ID	0	0	0	10194	35532	36555	31197	17992	0				131470
North-Kern WSD	0	0	0	0	0	0	0	0	0				0
City of Orange Cove	70	71	86	100	145	191	224	205	193				1285
Orange Cove ID	0	0	75	258	2910	5423	6290	6016	4978				25950
Pixley ID	0	0	0	2342	9571	13482	11053	0	0				36448
Porterville ID	0	0	0	1284	2518	3567	3807	2113	902				14191
Rag Gulch WD	0	320	684	989	2690	1850	2104	1620	1543				11800
Rosedale Rio Bravo WSD	0	0	0	2582	21803	872	0	0	0				25257
Saucelito ID	0	321	1840	2232	4822	6896	6558	4965	2968				30602
Semitropic WSD	0	0	0	0	0	0	0	0	0				0
Shafter Wasco ID	541	5629	3670	3579	7988	11240	11475	6923	4464				55509
Southern San Joaquin MUD	0	5260	5151	7096	13274	20789	22953	15457	11494				101474
Smallwood Vineyards	0	0	33	62	72	113	114	48	4				446
Stone Corral ID	0	0	9	232	780	1614	1822	1629	1278				7364
Strathmore PUD	0	19	19	19	34	42	51	42	47				273
Styro Tek, Inc.	0	0	1	0	1	0	1	1	0				4
Tea Pot Dome WD	0	0	0	160	495	1039	1267	1129	983				5073
Terra Bella ID	0	0	125	449	1538	3178	4000	3547	3204				16041
Tri-Valley WD	0	0	0	0	25	232	314	356	266				1193
Tulare ID	0	2692	0	11459	28428	31717	10055	5170	0				89521
	0	0	0	0	0	10270	0	0	0				10270
Total	2352	20711	17859	75505	209653	216732	195926	140960	75549	0	0	0	955247

* 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	22134	11544				99527
Madera ID	0	0	0	4679	25629	33684	31464	10677	10747				116880
Soquel	0	0	0	0	0	0	0	9461	0				9461
Total	0	0	0	9535	41279	54491	56000	42272	22291	0	0	0	225868
MILLERTON LAKE													
County of Madera	1	2	3	3	5	7	8	7	6				42
Fresno County # 18	5	5	7	8	14	20	24	21	18				122
Gravelly Ford WD	0	2	345	1146	740	1288	1107	1098	1551				7277
Total	6	9	355	1157	759	1315	1139	1126	1575	0	0	0	7441

* Data supplied by Fresno Field Division, Contracts Administration Division

Table 24

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

**San Joaquin and Mendota Pool
2003**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Fresno Slough WD	0	714	184	149	354	760	998	783	301				4243
Hughes, Melvin	0	21	0	0	0	19	30	23	0				93
James ID	0	2341	546	1066	2420	9634	9517	8224	3716				37464
Laguna WD	0	0	0	0	0	0	0	0	0				0
Dudley & Indart	0	910	301	124	490	813	727	684	224				4273
Mid-Valley WD (no contract)	0	0	0	368	0	0	0	0	0				368
Reclamation 1606	0	0	0	41	41	55	67	23	0				227
Terra Linda (Goodman)	0	798	624	779	816	1418	1819	1225	531				8010
Tranquility ID	65	5203	1071	475	2687	6364	6395	4540	928				27728
Wilson, JW (no contract)	0	169	18	0	0	165	200	165	48				765
Total	65	10156	2744	3002	6808	19228	19753	15667	5748	0	0	0	83171
Exchange Contractors													
Central California ID	279	36522	31255	21112	36100	75416	88388	89888	28255				407215
Columbia Canal Co	2	3648	5595	5451	5867	8815	10451	9376	5006				54211
Firebaugh Canal Co	218	234	1258	2398	2523	3518	4025	10139	2009				26322
San Luis Canal Co	0	4059	13742	8446	13050	27471	29032	26268	11214				133282
Total	499	44463	51850	37407	57540	115220	131896	135671	46484	0	0	0	621030
Refuges													
Grassland WD - 76.05L CCID #1-07-20-W1754	9348	12037	6037	5091	16878	6908	4223	17237	73699				151458
US F&WS - Kesterson #00-WC-20-1647	4679	1243	1241	2672	0	2248	5497	302	918				18800
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	1136	2139	1291	220	236	145	0	1008	3497				9672
State F&G - Water Fowl Dist #1-07-20-W19756	4075	2454	1554	521	1527	2226	2733	3100	8664				26854
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	497	427	315	307	546	1324	553	583	863				5415
Total	19735	18300	10438	8811	19187	12851	13006	22230	87641	0	0	0	212199

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	125	0				2177
Broadview WD	1013	1646	930	480	661	2868	3126	1729	379				12832
CCID (Abv CK 13)	240	139	1108	748	2222	2124	2426	2039	1980				13026
CCID (Blw CK 13)	0	1347	4429	664	9983	13860	23806	10192	159				64440
Centinella WD	0	0	0	0	0	0	0	0	0				0
China Island (76.05)	0	1043	833	426	365	0	732	0	0				3399
Del Puerto WD	151	1735	3527	7750	11081	15094	18647	12104	8163				78252
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0	0	0				0
Eagle Field WD	59	425	142	50	11	548	660	499	179				2573
Firebaugh Canal	2202	5784	1170	454	924	6816	9547	6399	458				33754
Frietas Unit (76.05L)	0	1078	1258	835	795	0	904	0	0				4870
Mercy Springs WD	0	156	57	249	136	309	362	308	86				1663
Oro Loma WD	0	281	0	0	0	277	293	250	0				1101
Panoche WD - Ag	422	660	351	232	303	1156	1643	985	308				6060
Panoche WD - M&I	2	3	2	3	2	3	2	3	2				22
Patterson WD	0	209	354	336	866	1059	1592	939	362				5717
Plainview WD	19	48	211	367	464	476	559	468	386				2998
Salt Slough Unit (76.05L)	0	926	992	723	1021	0	1217	0	0				4879
San Luis WD - Ag	38	1841	812	818	797	2128	2782	1725	737				11678
San Luis WD - M&I	1	1	3	3	12	35	31	24	26				136
Tracy, City of	104	361	571	720	958	1187	1301	1306	1266				7774
West Side ID	0	0	0	0	0	22	152	226	0				400
Widren	0	54	0	0	0	16	25	17	0				112
W. Stanislaus ID	0	556	1600	4081	4160	4951	8242	7180	5451				36221
F&G - Los Banos Ref. 76.05L	0	1068	1168	538	1044	393	0	0	0				4211
Volta Wildlife Mgmt Area (F&G)	109	17	127	195	330	158	147	615	2157				3855
Grasslands WD -76.05L	5851	3441	1085	725	7580	6214	2675	13777	19928				61276
Grasslands WD - Volta	1286	1253	1139	0	1406	336	494	0	10350				16264
F&S (Volta) Santa Fee Kest.	0	0	0	0	0	0	0	0	750				750
F&S - Kesterson 76.05L	0	665	819	512	778	0	0	0	0				2774
Total DMC Deliveries	11497	24737	22688	21133	46272	60357	82493	60910	53127	0	0	0	383214
Oneill Net Pumped	222449	122252	167000	34494	(53271)	42298	(7025)	43096	76711				648004
DMC plus Oneill	233946	146989	189688	55627	(6999)	102655	75468	104006	129838	0	0	0	1031218

* 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	289	270				1947
Broadview WD	4	1	0	2	1	4	3	3	2				16
City of Coalinga	310	423	197	501	540	899	1026	888	929				5403
City of Dos Palos	62	68	78	95	141	173	197	161	153				1066
City of Huron	43	50	64	90	83	104	123	120	154				788
Pacheco WD	225	399	179	126	1	1271	2742	1926	189				6833
Pacheco CCID Non-project (Hamburg)	457	984	537	0	1174	1615	0	0	0				4767
Panoche WD	3032	6457	3102	4068	4763	8981	12765	8019	1180				52367
San Luis WD	1677	5012	4798	5688	6803	11505	14290	8916	2728				61417
Westlands WD (Federal)	54952	72952	62666	74922	91722	171127	189035	132189	49909				899474
Phase I (Non-chargeable)	1	5	0	0	0	3	0	0	0				9
Fish & Game (Lateral 4)	1	0	1	1	2	2	2	3	3				15
Fish & Game (Lateral 6)	0	0	0	0	0	0	0	0	0				0
Total	60947	86517	71812	85684	105474	195968	220496	152514	55517	0	0	0	1034929
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	40	25	69	2	99	111	168	52	64				630
San Luis WD Ag	32	690	582	975	1202	1852	2298	1500	617				9748
San Luis M&I	37	32	21	33	61	69	94	81	82				510
VA Cemetary	1	4	3	4	7	9	14	16	15				73
Total	110	751	675	1014	1369	2041	2574	1649	778	0	0	0	10961
CROSS VALLEY CANAL													
County of Fresno	0	0	0	216	0	0	0	0	0				216
County of Tulare	0	0	0	383	0	0	0	0	0				383
Lower Tule River ID	0	0	0	0	0	0	0	0	0				0
Pixley ID	0	0	0	0	0	0	0	0	0				0
Kern-Tulare WD	0	0	0	1075	0	0	0	0	0				1075
Rag Gulch WD	0	0	0	358	0	0	0	0	0				358
Hills-Valey ID	0	0	0	242	0	0	0	0	0				242
Tri-Valley ID	0	0	0	82	0	0	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	15191	929				74145
San Benito	254	1407	623	397	1139	3824	5164	5079	2770				20657
Total	4224	3392	7275	10003	10783	14651	20505	20270	3699	0	0	0	94802

* 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	7332	4143				46080
Cortina WD	0	0	0	37	100	272	278	96	44				827
Davis WD	0	2	17	339	126	401	598	426	97				2006
Dunnigan WD	8	22	133	455	1334	3237	3495	1970	1283				11937
4-M Water District	0	3	7	85	225	305	406	273	230				1534
GCID	0	43	960	2135	3319	4905	4810	4844	3200				24216
Glenn Valley WD	0	0	0	0	32	73	177	119	16				417
Glide WD	0	8	9	269	2498	3177	4123	2532	575				13191
Holthouse WD	0	7	24	109	329	403	549	384	204				2009
Kanawha WD	3	27	146	737	2470	7036	7815	4865	1983				25082
Kirkwood WD	0	0	0	0	36	111	132	113	68				460
La Grande WD	0	0	0	624	1247	1427	1291	1001	56				5646
Myers-Marsh MWC	0	0	25	47	149	261	154	0	0				636
Orland-Artois WD	14	120	29	518	6581	13098	15059	9912	5194				50525
Westside WD	0	40	453	2326	4180	9425	8327	5463	1766				31980
Total	98	392	2856	10160	27905	56486	60460	39330	18859	0	0	0	216546

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	373	119				1903
Anderson Cottonwood ID	0	0	0	6184	14829	19488	18866	18330	17583				95280
Andreotti, Arthur, et al	0	0	0	0	400	707	724	631	268				2730
Baber, Jack, et	0	0	0	0	228	680	718	324	0				1950
A&R Farms (Odysseus)	0	0	0	0	15	5	53	32	40				145
Cannel, Fred	0	0	0	0	10	308	244	0	23				585
Carter, Jane	0	0	0	0	142	554	303	115	228				1342
Colusa Prop. Inc	0	0	0	0	10	1	98	0	0				109
Conaway Conservancy Group	0	0	0	0	3815	5535	6556	5484	740				22130
Davis, Olive P, et al	0	0	0	1312	5674	4869	5978	5002	333				23168
Deseret Farms of Calif	0	0	0	0	45	287	328	176	6				842
Dommer, Elizabeth	0	0	0	0	0	2	3	2	2				9
Forry, David G, et al	0	0	0	0	112	242	518	369	125				1366
Forster, Rosemary	0	0	0	0	474	330	384	303	2				1493
Furlan Joint Venture (Area #1)	0	0	0	0	0	49	66	0	0				115
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0	0	0				0
Glenn-Colusa ID	0	0	0	44780	126973	137584	161359	122793	122473				715962
Griffin, J, et al	0	0	0	0	429	550	121	174	341				1615
Henle Family Limited Partnership	0	0	0	14	115	215	92	5	0				441
Hershey Land Co	0	0	0	0	100	219	335	284	108				1046
Hiatt, Glenn	0	0	0	0	28	303	283	122	179				915
Hollins, Mariette B	0	0	0	7	194	178	210	164	11				764
Howald Farms	0	0	0	0	106	223	152	51	125				657
King, Barbara	0	0	0	0	0	2	2	2	2				8
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	0	0	0	0	0				0
Lockett, William P.	0	0	0	0	0	2	144	0	0				146
Loma Cold Storage/J Micheli	0	0	0	18	1031	1556	686	273	0				3564
M&T Inc.	0	0	0	0	862	1003	1810	1419	78				5172
MCM Properties, Inc	0	0	0	0	0	60	77	24	0				161
Maxwell ID	0	0	0	239	399	110	0	0	0				748
Meridan Farms WC	0	0	0	183	2959	2992	4937	5464	1255				17790
Natomas Central MWC	0	0	0	1290	12566	16459	23861	18261	9714				82151
O'Brien, Janice	0	0	0	0	87	277	233	59	51				707
Oji Bros. Farms Inc	0	0	0	129	346	674	782	370	172				2473
Oji, Mitsue Family PTN	0	0	0	0	278	1045	642	0	0				1965
Pelger Mutual WC	0	0	0	98	1413	1330	620	581	93				4135
Pleasant Grove-Verona MWC	0	0	0	0	1966	3217	4413	2672	457				12725
Princeton,-Codora-Glenn ID	0	0	0	2992	11804	11486	13726	9582	2759				52349
Provident Irrigation District	0	0	0	3210	12461	11187	13824	5903	266				46851
Reclamation Dist #108	0	0	0	2087	26250	31745	38176	26084	3987				128329
Reclamation Dist #1004	0	0	0	943	9726	10597	15947	12054	4045				53312
Reynen, John, et al	0	0	0	0	807	976	1668	1223	82				4756
River Garden Farms	0	0	0	396	4160	4473	4350	3782	1084				18245
Roberts Ditch Irrigation Co	0	0	0	0	368	765	1113	790	354				3390
Sartain Mutual WC	0	0	0	0	276	462	508	292	0				1538
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	0	2	69	162	212	94				539
Spence, Ruth Ann	0	0	0	0	0	0	0	0	0				0
Sutter Mutual WC	0	0	0	3787	28891	38509	46943	42932	11650				172712
Swinford Tract Irrigation Co	0	0	0	0	0	0	27	23	0				50
Tarke, James, et al	0	0	0	0	184	328	375	336	79				1302
Tisdale Irrigation & Drain	0	0	0	45	1096	1853	1834	1606	576				7010
Wallace Construction, Inc.	0	0	0	0	0	0	300	187	0				487
Wells, Joyce M	0	0	0	8	210	237	279	217	15				966
Wilson Ranch Partnership	0	0	0	0	0	0	0	0	0				0
Windswept Land & Livestock Co.	0	0	0	0	75	412	297	35	0				819
Total	0	0	0	67929	272279	314459	375664	289117	179519				1498967

* 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	3314	3531			
At Keswick	13500	9498	4232	7639	16172	12924	13830	10311	7694			
At Bend Bridge	25382	13674	12271	12384	22852	14627	14595	11091	8212			
At Vina Bridge	38278	17020	11719	14887	26386	15700	14762	11023	8076			
At Ord Ferry	35335	15687	12185	14171	24485	12350	11271	8840	7289			
At Colusa	30523	17735	12519	13086	21861	11352	9701	7832	6618			
Below Wilkins Slough	24623	17618	12638	12632	18827	10231	8228	6821	6583			
At Verona	46013	29817	20277	19263	35128	18772	20194	17847	14420			
Sacramento at "I" Street	49929	33707	22335	20590	39805	22640	22828	20190	16025			
Miscellaneous Stations												
Folsom computed inflow	3942	3227	3683	5851	8030	4130	1938	1557	1568			
American R at Nimbus Dam	2626	4300	2019	2043	5621	4216	3322	2697	1788			
Kings River at Pine Flat	111	94	401	706	2069	6585	6506	1775	1396			
San Joaquin River												
At Friant Dam	104	103	114	146	162	386	250	226	236			
Near Vernalis	2211	2198	2191	2573	2569	2109	1397	1337	1331			
Putah Creek												
Berryessa computed inflow	1328	564	736	750	473	28	1	-7	-16			
Putah Creek - Lake Solano	26	195	337	281	481	43	43	34	26			
Stanislaus River												
New Melones computed inflow	1068	962	1143	1710	2529	2459	961	767	747			
At Tulloch Dam	305	533	1123	1697	1941	2625	2149	1775	1184			
At Orange Blossom	212	539	454	726	695	1046	426	460	428			

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