

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

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



August 2003

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SUMMARY OF AUGUST 2003 OPERATIONS

Sacramento had an average monthly temperature of 77.2 °F which was .5 °F above normal. The average temperature at Shasta Dam was 79.5 °F which was .6 °F below normal and Huntington Lake was 9.5 °F above normal with an average temperature of 70.1 °F.

Trinity System: Storage in Trinity Lake decreased 181,100 acre-feet this month to 2,071,200 acre-feet, which is 85 percent of capacity and 125 percent of the 15 year average for this date. The total inflow for the month was 25,718 acre-feet. The Trinity River release ranged between 450 to 1,650 ft³/s. Whiskeytown Lake was operated between elevations 1208.70 feet and 1209.68 feet with an end-of-month storage of 237,500 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 152,896 acre-feet.

Shasta-Keswick: Storage in Shasta Lake decreased 289,000 acre-feet for an end-of-month storage of 3,258,600 acre-feet, which is 72 percent of capacity and 120 percent of the 15 year average. The total inflow for the month was 203,787 acre-feet. The release to the Sacramento River at Keswick ranged between 8,200 and 15,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 99,800 acre-feet and had an end-of-month storage of 699,900 acre-feet, which is 72 percent of capacity and 128 percent of the 15 year average for this date. The total inflow for the month was 95,734 acre-feet. The release to the American River at Nimbus ranged between 2,000 and 4,500 ft³/s during the month.

New Melones: Storage in New Melones decreased 64,900 acre-feet for an end-of-month storage of 1,303,700 acre-feet or 54 percent of capacity and 107 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 275 to 375 ft³/s for the month. The total inflow for the month was 47,134 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on August 31, 2003, was 258,000 acre-feet compared to the storage a year ago of 176,000 acre-feet.

Friant: Storage in Millerton Lake decreased 92,437 acre-feet to 252,500 acre-feet. The total monthly inflow was 114,014 acre-feet. The release to the San Joaquin River at Friant varied between 197 and 251 ft³/s.

CVP Totals: The total diversions to CVP canals were 512,692 acre-feet. The August 31, 2003, storage in the 18 CVP reservoirs was 7,592,000 acre-feet compared to storage 1 year ago of 6,397,000 acre-feet.

Power: Gross power production for the CVP totaled 586,749,900 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	08/31/03	08/31/02	WATERSHED	RESERVOIR	TOTAL CAPACITY	08/31/03	08/31/02
KLAMATH	CLEAR LAKE *	526,800	70,020	118,930	AMERICAN	FOLSOM LAKE *CVP	1,010,300	699,950	546,700
	GERBER *	94,300	21,180	22,230		LAKE NATOMA *CVP	9,030	7,850	8,290
	UPR KLAMATH LK *	873,300	213,660	178,090	COSUMNES	JENKINSON LK *CVP	41,000	33,700	32,660
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	2,071,230	1,595,950	MOKELUMNE	CAMANCHE	431,500	287,050	247,470
	LEWISTON LAKE*CVP	14,660	13,890	14,290		PARDEE	210,000	193,690	191,550
	WHISKEYTOWN *CVP	241,100	237,550	239,050	SALT SPRINGS	140,000	119,760	102,670	
MCCLOUD	MCCLOUD DIV. RES	35,230	26,870	25,830	CALAVERAS	NEW HOGAN	317,100	118,680	138,060
PIT	IRON CANYON	24,240	14,260	14,970		NEW MELONES*CVP	2,420,000	1,303,720	1,319,880
	LAKE BRITTON	40,620	38,560	37,100		BEARDSLEY	97,800	82,210	69,530
	PIT NO. 6	15,890	14,560	14,840	STANISLAUS	DONNELLS	64,320	45,870	51,270
	PIT NO. 7	34,610	32,850	32,530	TULLOCH	67,000	65,650	65,700	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,258,550	2,758,420	TUOLUMNE	LAKE ELEANOR	26,100	20,770	23,540
	SPRING CREEK *CVP	5,900	570	840		LAKE LLOYD	268,000	251,760	233,570
	KESWICK *CVP	23,800	22,320	22,540		HETCH-HETCHY	360,400	317,330	302,830
	RED BLUFF DIV *CVP	3,920	3,920	3,940	NEW DON PEDRO	2,030,000	1,571,970	1,313,100	
FEATHER	OROVILLE	3,538,000	2,458,190	1,539,410	TURLOCK LAKE	49,000	29,310	30,300	
	THERMALITO DIV RES	13,500	13,060	12,930	MERCED	EXCHEQUER	1,024,600	493,820	388,240
	THERMALITO FORE.	14,400	38,060	10,810	BUCHANAN	150,000	17,900	10,490	
	THERMALITO AFTER.	57,000	10,960	43,220	CRANE VALLEY	45,400	40,420	38,880	
STONY CREEK	LAKE ALMANOR	1,143,000	921,190	834,770	LAKE T.A. EDISON	125,000	84,760	65,300	
	EAST PARK *	50,900	44,910	8,210	FLORENCE LAKE	64,600	26,070	23,750	
	STONY GORGE *	50,000	35,030	28,980	SAN JOAQUIN	MAMMOTH POOL	122,700	44,405	63,640
PUTAH CREEK	BLACK BUTTE *CVP	143,700	80,780	44,550	HUNTINGTON LAKE	89,800	87,640	88,260	
	LAKE BERRYESSA *	1,602,300	1,464,570	1,318,640	REDINGER LAKE	35,000	24,460	24,300	
YUBA	LAKE SOLANO *	720	670	660	SHAVER LAKE	135,400	126,700	109,860	
	BULLARDS BAR	930,000	669,240	560,920	MILLERTON LK *CVP	520,500	252,470	225,690	
	SO. YUBA SYSTEM	146,000	NA	71,950	FRESNO	HIDDEN	90,000	17,900	11,200
BEAR	NARROWS	70,000	66,800	67,300	SAN LUIS **CVP	2,040,600	787,480	643,880	
LITTLE TRUCKEE	ROLLINS	65,990	63,490	62,610	O'NEILL FORE.**CVP	56,400	48,780	50,940	
	STAMPEDE *	226,620	143,870	111,000	SAN LUIS	L BANOS RES**CVP	34,560	19,600	19,170
PROSSER	BOCA *	41,140	31,370	39,100	LT PANOCHE **CVP	5,580	680	710	
	PROSSER CREEK *	29,840	23,210	17,400	OIL CANYON	CONTRA LOMA *CVP	2,100	2,070	2,090
TRUCKEE	LAKE TAHOE *	732,000	264,730	131,200	KINGS	WISHON	128,300	85,320	73,770
	RYE PATCH *	190,000	NA	11,400	PINE FLAT	1,001,500	232,560	121,820	
HUMBOLDT					KAWEAH	TERMINUS	143,000	9,610	9,860
CARSON	LAHONTAN *	317,280	200,000	118,000	TULE	SUCCESS	82,300	12,690	9,940
	TWIN LAKES	21,600	20,510	20,260	KERN	ISABELLA	588,100	199,590	101,220
	FRENCH MEADOWS	136,400	106,120	99,000	CUYAMA	TWITCHELL *	240,100	nr	5,160
AMERICAN	HELL HOLE	207,590	163,780	125,210	SANTA YNEZ	LAKE CACHUMA *	190,500	119,500	135,510
	LOON LAKE	76,500	56,740	65,350	COYOTE	LAKE CASITAS *	254,000	186,350	201,620
	ICE HOUSE	46,000	38,320	40,830	Total - 85 Reservoirs		33,790,040	21,244,365	17,793,010
	UNION VALLEY	277,300	204,540	212,790	Total - 36 USBR Reservoirs		18,992,650	11,664,180	9,975,720
	SLAB CREEK	16,600	14,190	14,540	Total - 18 CVP Reservoirs		13,572,850	8,845,110	7,529,590

** - 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					1,749,673
Net	278111	175634	62415	134148	310579	282579	315526	189193					1,748,185
Keswick													
Gross	55128	38974	19917	28206	57454	54658	57746	44195					356,278
Net	54975	38787	19787	27923	57320	54532	57618	44069					355,011
Trinity													
Gross	5793	30013	31356	18379	86019	87879	64914	76896					401,249
Net	5503	29837	31166	18200	85820	87748	64799	76768					399,841
JF Carr													
Gross	1299	36119	33295	15518	44017	56560	50310	78288					315,406
Net	1158	35993	33208	15440	43866	56446	50222	78180					314,513
Spring Creek PP													
Gross	40240	41694	45430	23752	58145	55387	47246	77681					389,575
Net	40073	41552	45293	23628	58003	55259	47132	77546					388,486
Folsom													
Gross	43899	62787	32736	34784	96407	72312	62073	48396					453,394
Net	43692	62621	32554	34616	96234	72107	61880	48226					451,930
Nimbus													
Gross	5709	7685	4185	4071	9870	7518	7110	5682					51,830
Net	5668	7644	4142	4049	9851	7494	7099	5666					51,613
New Melones													
Gross	6308	12196	30784	44387	52957	67830	55169	46551					316,182
Net	6213	12101	30680	44253	52813	67671	55018	46412					315,161
O'Neill													
Gross	0	0	0	523	2016	102	501	144					3,286
Net	0	0	0	435	2022	7	308	30					2,802
Fed San Luis													
Out Meter	0	0	0	17820	0	14257	44089	19588					95,754
Gross Generation	436,973	405,377	260,263	321,653	717,557	699,204	704,850	586,750	0	0	0	0	4,132,627
Net Generation	435,393	404,169	259,245	320,512	716,508	698,100	703,691	585,678	0	0	0	0	4,123,296
Stampede (Gross)													
	398	1,075	312	2,045	2,311	949	1,579	501					9,170
Stampede (Net)	371	1,046	288	2,016	2,290	939	1,565	486					9,001
<u>Energy in mwh</u>													
Tracy													
Tot Energy	61295	54825	61731	24949	20517	60303	59314	61633					404,567
Fed Off-Pk	29012	25474	29228	12274	9188	28879	28189	29372					191,616
O'Neill													
Tot Energy	12985	7203	9849	2869	341	2668	501	2840					39,256
Fed Off-Pk	6183	3393	4698	1381	117	1336	256	1420					18,784
San Luis													
Fed Energy	61979	32737	54490	2299	36	124	132	991					152,788
Fed Off-Pk	60284	32707	54415	2224	36	79	102	991					150,838
Dos Amigos													
Fed Energy	6543	12352	10650	12771	12180	15096	32814	22662					125,068
Fed Off-Pk	5295	8316	7635	8190	8475	9771	18384	13482					79,548
Banks - Fed													
Fed Energy	0	0	0	0	0	0	0	0					0
Fed Off-Pk	0	0	0	0	0	0	0	0					0
Total Energy	142,802	107,117	136,720	42,888	33,074	78,191	92,761	88,126	0	0	0	0	721,679
Total Fed Off-Pk	100,774	69,890	95,976	24,069	17,816	40,065	46,931	45,265	0	0	0	0	440,786

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

AUGUST 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			
		3,547.2								
1	1,029.86	3,529.9	-17.2	3,905	12,287	0	0	297	.40	.00
2	1,029.35	3,517.1	-12.9	5,421	11,778	0	0	126	.17	.00
3	1,028.68	3,500.2	-16.9	3,516	11,821	0	0	192	.26	1.16
4	1,027.98	3,482.7	-17.6	2,920	11,641	0	0	133	.18	.00
5	1,027.28	3,465.2	-17.5	3,492	12,052	0	0	250	.34	.00
6	1,026.54	3,446.8	-18.4	2,505	11,622	0	0	168	.23	.00
7	1,025.88	3,430.4	-16.4	2,348	10,336	0	0	270	.37	.00
8	1,025.38	3,418.0	-12.4	2,573	8,578	0	0	225	.31	.00
9	1,024.86	3,405.2	-12.8	1,639	7,914	0	0	196	.27	.00
10	1,024.36	3,392.9	-12.3	1,560	7,572	0	0	188	.26	.00
11	1,023.97	3,383.3	-9.6	3,869	8,514	0	0	188	.26	.00
12	1,023.61	3,374.5	-8.8	3,790	7,986	0	0	245	.34	.00
13	1,023.18	3,364.0	-10.5	3,259	8,325	0	0	238	.33	.00
14	1,022.73	3,353.0	-11.0	2,859	8,134	0	0	259	.36	.00
15	1,022.36	3,344.0	-9.0	3,368	7,665	0	0	244	.34	.00
16	1,021.97	3,334.5	-9.5	2,752	7,294	0	0	243	.34	.00
17	1,021.65	3,326.8	-7.8	3,230	6,902	0	0	236	.33	.00
18	1,021.40	3,320.7	-6.1	3,854	6,636	0	0	271	.38	.00
19	1,021.17	3,315.1	-5.6	3,551	6,089	0	0	271	.38	.00
20	1,020.91	3,308.9	-6.3	3,470	6,405	0	0	235	.33	.00
21	1,020.77	3,305.5	-3.4	3,876	5,335	0	0	242	.34	.00
22	1,020.67	3,303.1	-2.4	3,689	4,783	0	0	121	.17	.06
23	1,020.55	3,300.2	-2.9	3,464	4,830	0	0	92	.13	.25
24	1,020.47	3,298.3	-1.9	3,720	4,500	0	0	192	.27	.00
25	1,020.33	3,294.9	-3.4	4,044	5,511	0	0	234	.33	.00
26	1,020.11	3,289.6	-5.3	3,659	6,077	0	0	255	.36	.00
27	1,019.90	3,284.5	-5.1	3,988	6,382	0	0	156	.22	.00
28	1,019.68	3,279.2	-5.3	3,568	5,975	0	0	262	.37	.00
29	1,019.45	3,273.7	-5.5	3,378	5,957	0	0	212	.30	.00
30	1,019.14	3,266.2	-7.5	2,864	6,365	0	0	261	.37	.00
31	1,018.82	3,258.6	-7.7	2,610	6,305	0	0	176	.25	.00
TOTALS			-289.0	102,741	241,571	0	0	6,678	9.29	1.47
ACRE-FEET			-289,000	203,787	479,156	0	0	13,246		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	479,156	OUTLET	0	THIS MONTH =	1.47
SPILL	0	TOTAL	479,156	JULY 1, 2003 TO DATE =	1.57

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

AUGUST 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)	
		2,252.0								
1	2,357.38	2,246.4	-5.6	609	3,227	0	0	186	.41	.00
2	2,357.04	2,241.2	-5.3	742	3,278	0	0	113	.25	.33
3	2,356.80	2,237.5	-3.7	663	2,445	0	0	82	.18	1.13
4	2,356.47	2,232.4	-5.1	619	3,090	0	0	91	.20	.00
5	2,356.10	2,226.7	-5.7	691	3,473	0	0	90	.20	.00
6	2,355.71	2,220.7	-6.0	379	3,273	0	0	126	.28	.00
7	2,355.34	2,215.0	-5.7	149	2,898	0	0	113	.25	.00
8	2,354.99	2,209.7	-5.4	515	3,100	0	0	122	.27	.00
9	2,354.64	2,204.3	-5.4	487	3,077	0	0	108	.24	.00
10	2,354.30	2,199.1	-5.2	316	2,807	0	0	130	.29	.00
11	2,353.91	2,193.1	-6.0	249	3,154	0	0	99	.22	.00
12	2,353.60	2,188.4	-4.7	137	2,401	0	0	117	.26	.00
13	2,353.34	2,184.5	-4.0	513	2,403	0	0	107	.24	.00
14	2,353.02	2,179.6	-4.9	338	2,675	0	0	121	.27	.00
15	2,352.70	2,174.7	-4.9	458	2,778	0	0	130	.29	.00
16	2,352.39	2,170.0	-4.7	411	2,650	0	0	134	.30	.00
17	2,352.19	2,167.0	-3.0	409	1,824	0	0	116	.26	.00
18	2,351.95	2,163.3	-3.6	689	2,396	0	0	129	.29	.00
19	2,351.64	2,158.7	-4.7	730	2,961	0	0	134	.30	.00
20	2,351.27	2,153.1	-5.6	230	2,910	0	0	142	.32	.00
21	2,350.79	2,145.8	-7.3	531	4,054	0	0	133	.30	.00
22	2,350.27	2,138.0	-7.8	213	4,063	0	0	102	.23	.00
23	2,349.79	2,130.7	-7.2	87	3,645	0	0	84	.19	.00
24	2,349.33	2,123.8	-6.9	463	3,831	0	0	115	.26	.00
25	2,348.86	2,116.8	-7.1	374	3,800	0	0	128	.29	.00
26	2,348.36	2,109.3	-7.5	391	4,043	0	0	119	.27	.00
27	2,347.86	2,101.8	-7.5	358	4,033	0	0	92	.21	.00
28	2,347.34	2,094.1	-7.7	149	3,932	0	0	123	.28	.00
29	2,346.81	2,086.2	-7.9	254	4,102	0	0	127	.29	.00
30	2,346.31	2,078.8	-7.4	459	4,108	0	0	92	.21	.00
31	2,345.80	2,071.2	-7.6	389	4,089	0	0	109	.25	.00
TOTALS			-181.1	13,002	100,520	0	0	3,614	8.10	1.46
ACRE-FEET			-181,100	25,789	199,381	0	0	7,168		

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	199,381	OUTLET	0	THIS MONTH =	1.46
SPILL	0	TOTAL	199,381	JULY 1, 2003 TO DATE =	1.47

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

AUGUST 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.			EVAP. C.F.S.	PRECIP INCHES	
							TO CLEAR CR (1) OUTLETS	SPILL	TO SPRING CR. PP			
		238.1										
1	1,208.85	237.4	-0.6	2,814	2,750	64	90	0	3,019	26	.28	.00
2	1,209.15	238.4	+1.0	3,130	2,779	351	90	0	2,530	28	.30	.50
3	1,208.91	237.6	-0.8	2,218	2,094	124	90	0	2,480	34	.36	.36
4	1,209.06	238.1	+0.5	2,885	2,808	77	90	0	2,536	18	.19	.00
5	1,209.06	238.1	+0.0	2,638	2,506	132	90	0	2,531	17	.18	.00
6	1,209.10	238.2	+0.1	2,708	2,660	48	90	0	2,526	27	.29	.00
7	1,209.04	238.0	-0.2	2,519	2,449	70	90	0	2,508	18	.19	.00
8	1,209.12	238.3	+0.3	2,742	2,654	88	90	0	2,501	22	.23	.00
9	1,208.95	237.7	-0.5	2,355	2,312	43	90	0	2,520	19	.20	.00
10	1,208.88	237.5	-0.2	2,543	2,476	67	90	0	2,544	21	.22	.00
11	1,209.35	239.0	+1.5	2,483	2,489	-6	90	0	1,615	21	.22	.00
12	1,209.25	238.7	-0.3	1,907	1,915	-8	90	0	1,953	25	.27	.00
13	1,209.21	238.6	-0.1	2,037	2,015	22	90	0	1,990	22	.23	.00
14	1,209.33	239.0	+0.4	2,286	2,238	48	90	0	1,980	22	.23	.00
15	1,209.34	239.0	+0.0	2,129	2,067	62	90	0	1,999	24	.25	.00
16	1,209.44	239.3	+0.3	2,208	2,172	36	90	0	1,929	28	.30	.00
17	1,209.04	238.0	-1.3	1,394	1,341	53	90	0	1,922	27	.29	.00
18	1,209.02	238.0	-0.1	2,008	1,985	23	90	0	1,927	23	.24	.00
19	1,208.97	237.8	-0.2	2,435	2,393	42	90	0	2,401	24	.26	.00
20	1,208.94	237.7	-0.1	2,464	2,421	43	90	0	2,397	25	.27	.00
21	1,209.21	238.6	+0.9	3,500	3,426	74	90	0	2,948	27	.29	.00
22	1,209.49	239.5	+0.9	3,510	3,419	91	90	0	2,947	21	.22	.12
23	1,209.68	240.1	+0.6	3,298	3,198	100	90	0	2,893	8	.09	.02
24	1,209.66	240.0	-0.1	2,996	2,936	60	90	0	2,921	17	.18	.00
25	1,208.94	237.7	-2.3	1,950	1,885	65	90	0	2,999	23	.24	.00
26	1,208.83	237.4	-0.3	2,907	2,804	103	90	0	2,971	22	.24	.00
27	1,208.74	237.1	-0.3	2,463	2,409	54	90	0	2,494	23	.25	.00
28	1,208.70	236.9	-0.1	2,579	2,501	78	90	0	2,529	24	.26	.00
29	1,208.82	237.3	+0.4	2,823	2,772	51	90	0	2,517	24	.26	.00
30	1,208.87	237.5	+0.2	2,678	2,631	47	90	0	2,485	23	.25	.00
31	1,208.89	237.5	+0.1	2,617	2,579	38	90	0	2,471	24	.26	.00
TOTALS			-0.3	79,224	77,084	2,140	2,790	0	75,983	707	7.54	1.00
ACRE-FEET			-0.3	157,141	152,896	4,245	5,534	0	150,712	1,402		

* 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	150,712	OUTLET	5,534	THIS MONTH		1.00
SPILL	0	TOTAL	156,246	JULY 1, 2003 TO DATE		1.03

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

Table 6

AUGUST 2003

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: September 25, 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
		13,978								
1	1,901.31	14,143	+165	3,292	80	100	270	2,750	9	.41
2	1,901.38	14,195	+52	3,260	47	133	270	2,779	5	.25
3	1,900.93	13,859	-336	2,379	0	180	270	2,094	4	.18
4	1,900.29	13,388	-471	3,025	43	137	270	2,808	4	.20
5	1,901.28	14,120	+732	3,329	80	100	270	2,506	4	.20
6	1,900.67	13,668	-452	2,886	80	100	270	2,660	4	.28
7	1,900.66	13,661	-7	2,900	80	100	270	2,449	5	.25
8	1,900.53	13,565	-96	3,062	80	100	270	2,654	6	.27
9	1,901.29	14,128	+563	3,051	80	100	270	2,312	5	.24
10	1,900.92	13,852	-276	2,793	80	100	270	2,476	6	.29
11	1,901.27	14,113	+261	3,076	80	100	270	2,489	5	.22
12	1,901.46	14,255	+142	2,443	80	100	270	1,915	6	.26
13	1,901.14	14,016	-239	2,350	80	100	270	2,015	5	.24
14	1,900.96	13,882	-134	2,626	80	100	270	2,238	6	.27
15	1,901.45	14,248	+366	2,708	80	100	270	2,067	6	.29
16	1,901.32	14,150	-98	2,580	80	100	270	2,172	7	.30
17	1,901.30	14,135	-15	1,789	80	100	270	1,341	6	.26
18	1,901.10	13,986	-149	2,366	80	100	270	1,985	6	.29
19	1,901.17	14,038	+52	2,876	80	100	270	2,393	7	.30
20	1,901.18	14,046	+8	2,882	80	100	270	2,421	7	.32
21	1,901.16	14,031	-15	3,875	80	100	270	3,426	7	.30
22	1,901.33	14,158	+127	3,938	80	100	270	3,419	5	.23
23	1,901.14	14,016	-142	3,580	80	100	270	3,198	4	.19
24	1,901.39	14,203	+187	3,686	80	100	470	2,936	6	.26
25	1,901.87	14,562	+359	3,722	80	100	1,470	1,885	6	.29
26	1,900.61	13,624	-938	3,906	80	100	1,389	2,804	6	.27
27	1,900.79	13,756	+132	3,981	80	100	1,320	2,409	5	.21
28	1,901.16	14,031	+275	4,115	80	100	1,289	2,501	6	.28
29	1,900.72	13,705	-326	4,064	80	100	1,270	2,772	6	.29
30	1,900.78	13,749	+44	4,077	80	100	1,239	2,631	5	.21
31	1,900.97	13,889	+140	4,055	80	100	1,220	2,579	5	.25
TOTALS			-89	98,672	2,330	3,250	15,877	77,084	174	8.10
ACRE-FEET			-89	195,716	4,622	6,446	31,492	152,896	345	

* 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	4,622	JUDGE FRANCIS CARR POWERPLANT	152,896
TOTAL RIVER	42,560	TOTAL RELEASE	195,456

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

Table 7

AUGUST 2003

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: September 25, 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	
		660							
1	702.84	669	+9	5	0	0			
2	703.69	690	+21	11	0	0			
3	704.34	707	+17	9	0	0			
4	704.78	718	+11	6	0	0			
5	705.15	728	+10	5	0	0			
6	705.51	737	+9	5	0	0			
7	705.95	749	+12	6	0	0			
8	706.31	758	+9	5	0	0			
9	706.67	768	+10	5	0	0			
10	707.02	778	+10	5	0	0			
11	707.55	792	+14	7	0	0			
12	708.06	807	+15	10	0	0			2
13	708.20	811	+4	7	0	0			5
14	708.28	813	+2	6	0	0			5
15	708.27	813	+0	5	0	0			5
16	708.20	811	-2	4	0	0			5
17	708.07	807	-4	3	0	0			5
18	707.86	801	-6	2	0	0			5
19	706.78	771	-30	-5	0	0			10
20	703.35	682	-89	-30	0	0			15
21	698.34	564	-118	-44	0	0			15
22	696.85	532	-32	-4	0	0			12
23	696.77	530	-2	9	0	0			10
24	696.75	530	+0	10	0	0			10
25	696.73	529	-1	9	0	0			10
26	696.72	529	+0	10	0	0			10
27	696.70	529	+0	10	0	0			10
28	696.69	528	-1	9	0	0			10
29	697.12	538	+10	9	0	0			4
30	697.85	554	+16	8	0	0			0
31	698.47	567	+13	7	0	0			0
TOTALS			-93	104	0	148			
ACRE-FEET			-93	206	0	294			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	0
OUTLET	294
TOTAL	294

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

Table 8

AUGUST 2003

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: September 25, 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)
		22,664								
1	585.28	22,683	+19	14,718	3,019	12,287	14,127	574	0	7
2	584.52	22,211	-472	14,077	2,530	11,778	14,312	0	0	3
3	583.90	21,829	-382	14,033	2,480	11,821	14,221	0	0	5
4	583.90	21,829	+0	14,087	2,536	11,641	14,084	0	0	3
5	585.10	22,570	+741	14,405	2,531	12,052	14,025	0	0	6
6	585.33	22,714	+144	13,916	2,526	11,622	13,839	0	0	4
7	584.99	22,501	-213	12,881	2,508	10,336	12,981	0	0	7
8	582.75	21,134	-1,367	10,948	2,501	8,578	11,632	0	0	5
9	584.29	22,069	+935	10,703	2,520	7,914	10,227	0	0	5
10	584.62	22,273	+204	10,140	2,544	7,572	10,032	0	0	5
11	584.89	22,439	+166	10,114	1,615	8,514	10,025	0	0	5
12	584.85	22,414	-25	10,016	1,953	7,986	10,023	0	0	6
13	585.70	22,947	+533	10,284	1,990	8,325	10,009	0	0	6
14	585.79	23,003	+56	10,050	1,980	8,134	10,015	0	0	7
15	584.45	22,168	-835	9,585	1,999	7,665	10,000	0	0	6
16	585.32	22,708	+540	9,294	1,929	7,294	9,016	0	0	6
17	585.27	22,677	-31	8,933	1,922	6,902	8,943	0	0	6
18	584.31	22,081	-596	8,632	1,927	6,636	8,925	0	0	7
19	583.34	21,489	-592	8,648	2,401	6,089	8,939	0	0	7
20	583.55	21,617	+128	9,005	2,397	6,405	8,934	0	0	6
21	584.83	22,402	+785	8,694	2,948	5,335	8,292	0	0	6
22	584.68	22,310	-92	8,162	2,947	4,783	8,205	0	0	3
23	584.44	22,161	-149	8,122	2,893	4,830	8,195	0	0	2
24	583.28	21,453	-708	7,845	2,921	4,500	8,197	0	0	5
25	583.83	21,787	+334	8,711	2,999	5,511	8,537	0	0	6
26	584.66	22,297	+510	9,209	2,971	6,077	8,945	0	0	7
27	584.86	22,421	+124	8,964	2,494	6,382	8,897	0	0	4
28	584.22	22,026	-395	8,725	2,529	5,975	8,917	0	0	7
29	583.06	21,319	-707	8,528	2,517	5,957	8,879	0	0	5
30	583.82	21,781	+462	9,085	2,485	6,365	8,845	0	0	7
31	584.70	22,322	+541	9,112	2,471	6,305	8,834	0	0	5
TOTALS			-342	319,626	75,983	241,571	319,052	574	0	169
ACRE-FEET			-342	633,978	150,712	479,156	632,840	1,139	0	335

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

SUMMARY
 RELEASE (ACRE-FEET)

POWER	632,840
SPILL	1,139
FISH TRAP	0

AUGUST 2003

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: September 25, 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	252.50	3,924	+0	90	882	15,510
2	252.40	3,874	-50	96	900	14,670
3	252.24	3,794	-80	47	668	14,070
4	252.90	4,123	+329	43	604	15,270
5	252.43	3,889	-234	74	658	14,310
6	252.57	3,958	+69	43	771	14,190
7	252.52	3,933	-25	54	658	13,710
8	252.60	3,973	+40	53	753	12,990
9	252.42	3,884	-89	60	640	1,190
10	252.47	3,909	+25	53	781	9,510
11	252.60	3,973	+64	46	685	9,870
12	252.54	3,943	-30	75	704	9,750
13	252.53	3,938	-5	85	871	9,510
14	252.55	3,948	+10	75	991	9,750
15	252.53	3,938	-10	75	828	9,750
16	252.54	3,943	+5	80	731	9,750
17	252.52	3,933	-10	57	643	8,430
18	252.50	3,924	-9	49	611	8,580
19	252.53	3,938	+14	46	509	7,830
20	252.48	3,914	-24	60	622	8,190
21	252.51	3,928	+14	67	649	8,190
22	252.48	3,914	-14	50	523	7,110
23	252.50	3,924	+10	56	482	7,950
24	252.53	3,938	+14	55	276	7,950
25	252.51	3,928	-10	43	201	7,950
26	252.53	3,938	+10	48	359	8,910
27	252.51	3,928	-10	62	451	8,790
28	252.48	3,914	-14	54	499	8,430
29	252.51	3,928	+14	58	518	8,430
30	252.48	3,914	-14	65	464	8,910
31	252.50	3,924	+10	45	518	8,430
TOTALS			+0	1,864	19,450	307,880
ACRE-FEET			+0	3,697	38,579	610,680

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	3,697
TEHAMA-COLUSA CANAL	38,579
TO SACTO RIVER	610,680
TOTAL	652,956

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

August 2003

Date	Midnight Elev (ft)	Storage (ac-ft)	Storage Change (ac-ft)	Mean Inflow (sfd)	----- Mean Outflow -----				Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)
					Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)					
1	462.25	91684	-857	10	405	195	205	5	73	0.30	0.72	96140	136200
2	462.07	91043	-641	67	372	189	178	5	36	0.15	0.15	96250	136200
3	461.88	90369	-674	16	327	185	137	5	58	0.24	0	96342	136200
4	461.68	89662	-707	14	328	174	149	5	84	0.35	0	96318	136200
5	461.49	88992	-670	11	311	158	152	1	74	0.31	0	96300	136200
6	461.27	88220	-772	4	359	172	187	0	67	0.28	0	95720	136200
7	461.17	87870	-350	247	385	174	211	0	76	0.32	0	95060	136200
8	461.10	87625	-245	277	365	171	194	0	71	0.30	0	94390	136200
9	461.05	87450	-175	275	322	155	162	5	81	0.34	0	93820	136200
10	461.00	87276	-174	294	339	163	171	5	85	0.36	0	93122	136200
11	460.95	87102	-174	304	353	160	188	5	76	0.32	0	92360	136200
12	460.89	86893	-209	298	359	148	206	5	88	0.37	0	91666	136200
13	460.85	86754	-139	325	351	150	196	5	87	0.37	0	91001	136200
14	460.79	86545	-209	314	378	161	212	5	83	0.35	0	90260	136200
15	460.72	86302	-243	315	396	170	221	5	83	0.35	0	89613	136200
16	460.65	86060	-242	321	396	173	218	5	94	0.40	0	88913	136200
17	460.57	85783	-277	319	411	171	235	5	94	0.40	0	88246	136200
18	460.47	85438	-345	295	423	191	227	5	91	0.39	0	87564	136200
19	460.39	85162	-276	307	405	182	218	5	82	0.35	0	86880	136200
20	460.36	85059	-103	330	343	155	187	1	77	0.33	0	86173	136200
21	460.34	84990	-69	304	307	151	156	0	63	0.27	0.1	85546	136200
22	460.30	84852	-138	300	353	183	170	0	33	0.14	0	84878	136200
23	460.25	84681	-171	329	380	187	193	0	70	0.30	0	84307	136200
24	460.19	84475	-206	273	342	161	181	0	70	0.30	0	84026	136200
25	459.99	83790	-685	153	458	261	197	0	81	0.35	0	83660	136200
26	459.80	83142	-648	246	531	328	203	0	83	0.36	0	82897	136200
27	459.65	82633	-509	319	538	340	198	0	74	0.32	0	82128	136200
28	459.50	82125	-508	323	539.7	324	212	3.7	78	0.34	0	81413	136200
29	459.35	81619	-506	316	540	321	214	5	62	0.27	0	80700	136200
30	459.21	81147	-472	331	530	313	212	5	78	0.34	0	79942	136200
31	459.10	80778	-369	393	535	320	210	5	87	0.38	0	79208	136200
Totals	(sfd)			7630	12381.7	6286	6000	95.7					
Totals	(ac-ft)		-11763	15134	24559.1	12468.3			2339				
Totals	(inches)									9.95	0.97		

[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

AUGUST 2003

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: September 25, 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	
		800.1									
1	448.81	793.4	-6.7	1,393	4,438	0	0	274	71	.21	.03
2	448.16	786.8	-6.6	1,471	4,466	0	0	247	81	.24	.00
3	447.49	780.0	-6.8	1,360	4,459	0	0	253	57	.17	.00
4	446.75	772.6	-7.4	1,420	4,790	0	0	291	90	.27	.00
5	446.23	767.4	-5.2	2,047	4,302	0	0	276	93	.28	.00
6	445.73	762.4	-5.0	2,063	4,200	0	0	272	106	.32	.00
7	445.31	758.2	-4.2	1,993	3,734	0	0	269	96	.29	.00
8	444.90	754.2	-4.1	1,557	3,240	0	0	274	95	.29	.00
9	444.50	750.2	-4.0	1,483	3,101	0	0	280	95	.29	.00
10	444.08	746.1	-4.2	1,415	3,129	0	0	281	98	.30	.00
11	443.72	742.5	-3.5	1,865	3,271	0	0	281	98	.30	.00
12	443.37	739.1	-3.4	1,824	3,191	0	0	281	85	.26	.00
13	443.09	736.3	-2.7	1,746	2,757	0	0	281	94	.29	.00
14	442.77	733.2	-3.1	1,386	2,591	0	0	278	94	.29	.00
15	442.56	731.2	-2.1	1,444	2,100	0	0	281	97	.30	.00
16	442.32	728.8	-2.3	1,353	2,162	0	0	284	87	.27	.00
17	442.04	726.1	-2.7	1,296	2,299	0	0	284	91	.28	.00
18	441.75	723.3	-2.8	1,012	2,050	0	0	291	90	.28	.00
19	441.51	720.9	-2.3	1,232	2,140	0	0	150	116	.36	.00
20	441.23	718.2	-2.7	1,100	2,213	0	0	172	84	.26	.00
21	441.06	716.6	-1.6	1,606	2,057	0	0	280	100	.31	.00
22	440.86	714.6	-1.9	1,420	2,113	0	0	217	64	.20	.28
23	440.66	712.7	-1.9	1,387	2,109	0	0	218	32	.10	.01
24	440.47	710.9	-1.8	1,475	2,096	0	0	228	74	.23	.00
25	440.29	709.2	-1.7	1,613	2,123	0	0	258	106	.33	.00
26	440.17	708.0	-1.2	1,993	2,199	0	0	271	106	.33	.00
27	440.03	706.6	-1.3	1,853	2,149	0	0	285	99	.31	.00
28	439.84	704.8	-1.8	1,595	2,137	0	0	283	93	.29	.00
29	439.72	703.7	-1.1	1,863	2,080	0	0	282	80	.25	.00
30	439.53	701.9	-1.8	1,542	2,101	0	0	288	70	.22	.00
31	439.33	699.9	-1.9	1,458	2,078	0	0	269	76	.24	.00
TOTALS			-99.8	48,265	87,875	0	0	8,179	2,718	8.36	.32
ACRE-FEET			-99,800	95,734	174,300	0	0	16,223	5,391		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	174,300	OUTLET	0	THIS MONTH =	.32
SPILL	0	TOTAL	190,523	JULY 1, 2003 TO DATE =	.32
PUMPING PLANT	16,223				

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

Table 12

AUGUST 2003

LAKE NATOMA DAILY OPERATIONS

RUN DATE: September 25, 2003

DAY	ELEV	STORAGE ACRE-FEET		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
1	123.49	8,306	-285	4,401	45	4,437	0	60	3
2	123.02	8,021	-221	4,435	45	4,438	0	60	3
3	122.53	7,800	-220	4,442	45	4,446	0	60	2
4	123.43	7,993	+413	4,624	45	4,308	0	60	3
5	123.91	8,219	+226	4,168	45	3,945	0	60	4
6	124.04	8,281	+62	4,079	45	3,939	0	60	4
7	123.80	8,167	-114	3,621	45	3,569	0	60	4
8	123.61	8,078	-89	3,123	45	3,059	0	60	4
9	123.26	7,913	-165	2,972	45	2,946	0	60	4
10	122.98	7,782	-131	2,990	45	2,947	0	60	4
11	123.24	7,904	+122	3,113	45	2,942	0	60	4
12	123.64	8,092	+188	2,990	45	2,333	454	60	3
13	124.13	8,326	+234	2,666	45	2,439	0	60	4
14	124.07	8,296	-30	2,528	45	2,434	0	60	4
15	123.64	8,092	-204	2,026	45	2,020	0	60	4
16	123.72	8,129	+37	2,063	45	1,936	0	60	3
17	124.28	8,401	+272	2,184	45	1,938	0	60	4
18	124.13	8,326	-75	2,026	45	1,955	0	60	4
19	124.12	8,321	-5	2,049	45	1,942	0	60	5
20	124.25	8,386	+65	2,086	45	1,945	0	60	3
21	123.94	8,233	-153	1,977	45	1,945	0	60	4
22	123.97	8,247	+14	2,055	45	1,940	0	60	3
23	123.85	8,191	-56	2,018	45	1,940	0	60	1
24	123.78	8,158	-33	2,029	45	1,938	0	60	3
25	123.70	8,120	-38	2,032	45	1,942	0	60	4
26	123.89	8,209	+89	2,098	45	1,944	0	60	4
27	123.85	8,191	-18	2,046	45	1,946	0	60	4
28	123.78	8,158	-33	2,036	45	1,944	0	60	4
29	123.55	8,050	-108	1,992	45	1,938	0	60	3
30	123.33	7,946	-104	2,007	45	1,951	0	60	3
31	123.12	7,847	-99	2,006	45	1,948	0	60	3
TOTALS			-459	84,882	1,395	81,294	454	1,860	109
ACRE-FEET			-459	168,363	2,767	161,247	901	3,689	216

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	161,247	FOLSOM SOUTH CANAL	2,767	TOTAL	168,604
SPILL	901	HATCHERY	3,689		

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

AUGUST 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		
		1,368.8									
1	988.32	1,366.3	-2.5	1,010	2,187	0	0	62	.22	.16	
2	988.04	1,363.9	-2.5	1,008	2,173	0	0	74	.26	.20	
3	987.83	1,362.0	-1.8	979	1,831	0	0	74	.26	.20	
4	987.53	1,359.4	-2.6	810	2,039	0	0	93	.33	.00	
5	987.31	1,357.5	-1.9	1,000	1,865	0	0	105	.37	.00	
6	986.98	1,354.6	-2.9	835	2,196	0	0	93	.33	.00	
7	986.69	1,352.1	-2.5	567	1,751	0	0	90	.32	.00	
8	986.50	1,350.4	-1.7	769	1,510	0	0	93	.33	.00	
9	986.21	1,347.9	-2.5	734	1,918	0	0	90	.32	.00	
10	985.93	1,345.4	-2.4	645	1,766	0	0	107	.38	.00	
11	985.69	1,343.4	-2.1	756	1,696	0	0	110	.39	.00	
12	985.40	1,340.9	-2.5	414	1,564	0	0	118	.42	.00	
13	985.09	1,338.2	-2.7	497	1,754	0	0	98	.35	.00	
14	984.81	1,335.7	-2.4	682	1,799	0	0	104	.37	.00	
15	984.65	1,334.4	-1.4	756	1,327	0	0	126	.45	.00	
16	984.42	1,332.4	-2.0	753	1,646	0	0	109	.39	.00	
17	984.22	1,330.6	-1.7	788	1,553	0	0	106	.38	.00	
18	984.02	1,328.9	-1.7	795	1,557	0	0	109	.39	.00	
19	983.82	1,327.2	-1.7	812	1,569	0	0	111	.40	.00	
20	983.60	1,325.3	-1.9	724	1,567	0	0	111	.40	.00	
21	983.32	1,322.9	-2.4	696	1,811	0	0	100	.36	.00	
22	983.05	1,320.6	-2.3	648	1,736	0	0	83	.30	.00	
23	982.84	1,318.8	-1.8	865	1,695	0	0	78	.28	.00	
24	982.64	1,317.1	-1.7	921	1,702	0	0	83	.30	.00	
25	982.52	1,316.0	-1.0	1,034	1,447	0	0	105	.38	.00	
26	982.33	1,314.4	-1.6	674	1,393	0	0	102	.37	.07	
27	982.03	1,311.8	-2.6	709	1,916	0	0	89	.32	.00	
28	981.76	1,309.5	-2.3	754	1,808	0	0	108	.39	.00	
29	981.47	1,307.0	-2.5	691	1,840	0	0	99	.36	.00	
30	981.28	1,305.4	-1.6	695	1,418	0	0	94	.34	.00	
31	981.08	1,303.7	-1.7	742	1,501	0	0	102	.37	.00	
TOTALS			-64.9	23,763	53,535	0	0	3,026	10.83	.63	
ACRE-FEET			-64,900	47,134	106,187	0	0	6,002			

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	106,187	OUTLET	0	THIS MONTH =	.63
SPILL	0	TOTAL	106,187	JULY 1, 2003 TO DATE =	.63

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

AUGUST 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
		RES.					MAIN	MAIN
		545						
1	360.11	545	+0	2,172	0	379	1,120	474
2	360.13	546	+1	2,151	0	377	1,100	457
3	360.13	546	+0	2,080	0	397	1,080	443
4	360.11	545	-1	1,970	0	358	1,060	407
5	360.11	545	+0	1,966	0	329	1,060	428
6	360.05	541	-4	1,898	0	318	999	454
7	360.05	541	+0	1,864	0	275	993	467
8	360.05	541	+0	1,876	0	279	1,000	467
9	360.05	541	+0	1,874	0	278	997	467
10	360.05	541	+0	1,868	0	275	995	467
11	360.05	541	+0	1,840	0	272	992	458
12	360.05	541	+0	1,750	0	276	925	447
13	360.05	541	+0	1,713	0	279	882	447
14	360.05	541	+0	1,695	0	275	868	448
15	360.05	541	+0	1,713	0	277	867	458
16	360.05	541	+0	1,712	0	279	855	468
17	360.05	541	+0	1,075	0	278	858	461
18	360.05	541	+0	1,690	0	273	860	445
19	360.05	541	+0	1,690	0	273	860	445
20	360.05	541	+0	1,712	0	273	861	445
21	360.05	541	+0	1,711	0	275	857	445
22	360.08	543	+2	1,704	0	271	858	445
23	360.05	541	-2	1,691	0	275	875	445
24	360.05	541	+0	1,659	0	271	869	445
25	360.05	541	+0	1,675	0	270	869	458
26	360.08	543	+2	1,782	0	270	943	463
27	360.05	541	-2	1,830	0	270	988	457
28	360.05	541	+0	1,808	0	272	983	434
29	360.08	543	+2	1,677	0	274	892	415
30	360.08	543	+0	1,593	0	277	823	409
31	360.08	543	+0	1,591	0	275	822	410
TOTALS			-2	55,030	0	9,020	29,011	13,879
ACRE-FEET			-2	109,152	0	17,891	57,543	27,529

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	57,543	OUTLET	0
SOUTH MAIN CANAL	27,529	SPILL	17,891
		TOTAL	102,963

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

AUGUST 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			
		344.9									
1	536.91	340.9	-4.0	1,893	855	2,765	0	251	29	.23	
2	535.94	337.2	-3.7	1,708	799	2,505	0	251	31	.25	
3	534.95	333.4	-3.8	1,637	692	2,564	0	251	33	.27	
4	534.15	330.4	-3.0	2,136	639	2,740	0	251	34	.28	
5	533.11	326.5	-3.9	1,837	658	2,859	0	251	43	.35	
6	532.16	322.9	-3.6	2,062	633	2,929	0	251	40	.33	
7	531.11	319.0	-3.9	1,877	694	2,863	0	248	38	.32	
8	530.16	315.5	-3.5	1,915	765	2,630	0	248	38	.32	
9	529.37	312.6	-2.9	1,997	782	2,390	0	248	41	.35	
10	528.89	310.9	-1.8	2,570	778	2,391	0	248	41	.35	
11	527.89	307.2	-3.6	1,747	779	2,540	0	221	46	.39	
12	526.86	303.5	-3.7	1,927	812	2,748	0	200	47	.40	
13	525.63	299.1	-4.4	2,019	876	3,123	0	199	46	.40	
14	524.19	294.0	-5.1	1,724	912	3,157	0	199	37	.32	
15	522.91	289.4	-4.5	1,771	928	2,864	0	197	54	.48	
16	521.86	285.8	-3.7	1,720	832	2,496	0	197	42	.37	
17	521.14	283.3	-2.5	1,800	729	2,085	0	197	47	.42	
18	520.44	280.9	-2.4	1,768	700	2,046	0	200	38	.34	
19	519.71	278.4	-2.5	1,964	700	2,280	0	200	48	.43	
20	518.79	275.2	-3.1	1,832	691	2,488	0	199	39	.35	
21	517.87	272.1	-3.1	1,718	671	2,376	0	199	46	.42	
22	517.21	269.9	-2.2	1,848	685	2,025	0	199	61	.56	
23	516.83	268.6	-1.3	1,972	674	1,707	0	199	36	.33	
24	516.71	268.2	-0.4	2,372	609	1,736	0	199	30	.28	
25	516.25	266.7	-1.5	1,976	554	1,938	0	221	39	.36	
26	515.65	264.7	-2.0	1,950	570	2,095	0	249	44	.41	
27	515.00	262.5	-2.2	1,922	599	2,123	0	247	41	.38	
28	514.25	260.0	-2.5	1,770	620	2,100	0	247	49	.46	
29	513.60	257.9	-2.1	1,751	648	1,892	0	247	39	.37	
30	512.52	254.4	-3.5	796	629	1,665	0	247	29	.28	
31	511.93	252.5	-1.9	1,502	593	1,593	0	245	35	.33	
TOTALS			-92.4	57,481	22,106	73,713	0	7,006	1,261	11.13	.01
ACRE-FEET			-92,437	114,014	43,847	146,210	0	13,896	2,501		

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 =	0.01
MADERA	TOTAL RELEASES	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.)

August 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-Aug-03	25,642	231	0	723	1,360	1,404	1,397	27,956	4,200	6,662	4,074	252	67	103	11,024	9,872	12,732	12,604	12,732	38.2%	35.2%	37.5%
2-Aug-03	25,131	232	0	705	1,397	1,419	1,410	27,465	4,200	6,674	4,222	251	67	100	11,180	10,356	12,086	12,841	12,409	39.4%	37.1%	39.1%
3-Aug-03	24,870	234	0	729	1,423	1,438	1,467	27,256	4,150	6,014	4,279	241	50	104	10,588	10,641	12,518	12,988	12,445	37.6%	38.4%	40.0%
4-Aug-03	24,927	235	0	537	1,580	1,468	1,514	27,279	4,150	6,638	4,296	235	72	105	11,203	10,707	11,927	12,868	12,315	39.8%	38.9%	40.0%
5-Aug-03	25,251	237	0	648	1,655	1,486	1,529	27,791	4,100	6,658	4,256	226	63	100	11,178	10,714	12,513	12,768	12,355	39.0%	38.8%	39.7%
6-Aug-03	25,513	237	0	654	1,592	1,502	1,526	27,996	4,100	7,063	4,256	227	57	90	11,580	11,056	12,317	12,569	12,349	40.2%	39.7%	40.7%
7-Aug-03	25,216	238	0	718	1,507	1,511	1,511	27,679	4,050	7,114	4,270	229	70	98	11,641	11,205	11,988	12,297	12,297	40.9%	40.0%	41.0%
8-Aug-03	24,637	238	0	709	1,426	1,520	1,505	27,010	4,050	7,168	4,271	213	66	95	11,681	11,380	11,279	12,090	12,170	42.1%	41.1%	41.5%
9-Aug-03	23,234	238	0	703	1,456	1,523	1,498	25,631	4,000	7,061	4,249	216	60	98	11,563	11,377	10,068	11,801	11,936	43.9%	42.3%	41.5%
10-Aug-03	21,637	238	0	711	1,447	1,511	1,498	24,033	4,000	7,173	4,256	227	60	85	11,681	11,392	8,353	11,206	11,578	47.3%	44.3%	41.8%
11-Aug-03	20,350	239	0	725	1,492	1,492	1,500	22,806	3,950	7,157	4,251	227	16	89	11,708	11,382	7,148	10,524	11,175	50.0%	46.9%	42.3%
12-Aug-03	19,280	239	0	706	1,522	1,473	1,497	21,747	3,950	7,175	4,238	231	57	97	11,684	11,416	6,113	9,609	10,753	52.2%	49.7%	43.0%
13-Aug-03	17,983	239	0	685	1,463	1,454	1,487	20,370	3,900	7,032	4,271	235	64	102	11,575	11,374	4,895	8,549	10,303	55.2%	52.3%	43.7%
14-Aug-03	17,389	238	0	676	1,371	1,440	1,476	19,674	3,850	7,115	4,246	223	71	108	11,621	11,359	4,202	7,437	9,867	57.4%	54.8%	44.6%
15-Aug-03	17,152	237	0	677	1,330	1,413	1,462	19,396	3,850	6,993	4,340	228	60	93	11,594	11,332	3,952	6,390	9,473	58.1%	56.9%	45.6%
16-Aug-03	16,995	236	0	715	1,265	1,388	1,450	19,211	3,800	7,025	4,316	221	60	85	11,587	11,345	3,823	5,498	9,120	58.7%	58.1%	46.7%
17-Aug-03	16,828	234	0	747	1,273	1,372	1,446	19,082	3,800	6,953	4,353	232	40	83	11,582	11,327	3,701	4,833	8,801	59.0%	58.6%	47.9%
18-Aug-03	16,584	233	0	746	1,377	1,363	1,447	18,940	3,750	7,095	4,363	233	12	78	11,758	11,369	3,432	4,303	8,503	60.4%	59.4%	49.4%
19-Aug-03	16,599	232	0	720	1,461	1,348	1,442	19,012	3,700	7,175	4,337	231	51	74	11,765	11,426	3,548	3,936	8,242	60.3%	59.9%	51.0%
20-Aug-03	15,963	234	0	624	1,356	1,337	1,435	18,177	3,700	7,167	4,348	224	65	76	11,751	11,495	2,726	3,626	7,966	63.0%	61.2%	53.0%
21-Aug-03	16,273	237	0	540	1,300	1,330	1,427	18,350	3,650	7,169	4,387	216	64	73	11,782	11,528	2,918	3,443	7,726	62.6%	61.9%	54.7%
22-Aug-03	16,540	240	0	464	1,276	1,342	1,424	18,520	3,600	7,176	4,331	188	42	78	11,730	11,526	3,190	3,334	7,519	61.9%	62.5%	56.3%
23-Aug-03	18,053	243	0	417	1,348	1,365	1,424	20,061	1,774	7,155	4,367	185	40	81	11,746	11,528	6,540	3,722	7,477	57.2%	60.5%	57.5%
24-Aug-03	18,631	246	0	425	1,435	1,390	1,429	20,737	1,724	7,166	4,350	169	25	75	11,734	11,514	7,279	4,233	7,469	55.4%	58.1%	58.2%
25-Aug-03	18,570	249	0	443	1,554	1,411	1,436	20,816	1,674	7,179	4,371	177	119	75	11,683	11,529	7,459	4,809	7,468	54.9%	55.8%	58.6%
26-Aug-03	18,470	252	0	435	1,606	1,430	1,439	20,763	1,624	6,790	4,329	174	35	77	11,335	11,395	7,804	5,417	7,481	53.4%	54.6%	58.1%
27-Aug-03	18,194	252	0	400	1,492	1,445	1,437	20,338	1,624	7,103	4,375	172	32	81	11,698	11,382	7,016	6,029	7,464	56.3%	54.8%	58.0%
28-Aug-03	17,606	252	0	380	1,401	1,456	1,434	19,639	3,400	7,139	4,343	177	50	77	11,687	11,360	4,552	6,263	7,360	58.2%	55.9%	58.0%
29-Aug-03	17,369	252	0	412	1,355	1,463	1,433	19,388	3,350	7,114	4,312	181	43	74	11,638	11,462	4,400	6,436	7,258	58.7%	57.7%	58.6%
30-Aug-03	17,280	252	0	427	1,396	1,454	1,431	19,355	3,300	7,180	4,312	195	39	73	11,720	11,467	4,335	6,121	7,160	59.2%	58.7%	58.5%
31-Aug-03	16,594	252	0	439	1,375	1,436	1,431	18,660	3,250	6,833	4,345	196	40	73	11,406	11,365	4,004	5,653	7,059	59.7%	59.2%	58.1%
Total	614,761	7,446	0	18,640	44,291	44,381	45,239	685,138	108,221	217,112	133,313	6,636	1,659	2,698	358,101	348,581	218,816	244,197	298,228	1620.3%	1593.6%	1504.6%
Average	19,831	240	0	601	1,429	1,432	1,459	22,101	3,491	7,004	4,300	214	54	87	11,552	11,245	7,059	7,877	7,877	52.3%	51.4%	48.5%

AUGUST 2003

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

RUN DATE: September 25, 2003

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION		PRECIP INCHES
		ACRE-FEET IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL		C.F.S.	INCHES	
		918,347									
1	443.37	907,280	-11,067	0	5,277	335	0	+33	97	.31	.00
2	442.28	896,741	-10,539	0	5,335	338	0	+360	100	.32	.00
3	441.75	891,631	-5,110	0	2,387	211	0	+22	172	.55	.33
4	440.63	880,866	-10,765	0	5,163	245	0	-20	149	.48	.00
5	439.87	873,587	-7,279	0	3,382	322	0	+34	140	.45	.00
6	439.55	870,528	-3,059	0	1,033	329	0	-180	133	.43	.00
7	438.95	864,802	-5,726	0	2,568	348	0	+30	148	.48	.00
8	438.65	861,944	-2,858	0	959	360	0	-122	145	.47	.00
9	437.78	853,674	-8,270	0	3,826	387	0	+44	138	.45	.00
10	437.67	852,630	-1,044	0	0	391	0	-135	187	.61	.00
11	436.90	845,336	-7,294	0	3,295	366	0	-16	187	.61	.00
12	436.80	844,390	-946	0	0	394	0	-83	242	.79	.00
13	437.10	847,228	+2,838	2,023	0	319	0	-273	275	.90	.00
14	436.67	843,161	-4,067	597	2,212	384	0	-51	0	.00	.00
15	435.47	831,846	-11,315	0	5,479	393	0	+168	161	.53	.00
16	434.48	822,551	-9,295	0	4,346	392	0	+51	163	.54	.00
17	434.31	820,958	-1,593	500	875	377	0	-51	178	.59	.00
18	433.22	810,772	-10,186	0	4,811	360	0	+36	184	.61	.00
19	432.67	805,648	-5,124	1,588	3,640	373	0	-158	175	.58	.00
20	432.57	804,718	-930	1,989	2,170	350	0	+62	141	.47	.00
21	431.90	798,494	-6,224	600	3,252	351	0	-135	162	.54	.00
22	431.46	794,415	-4,079	0	1,730	372	0	+45	111	.37	.02
23	430.71	787,480	-6,935	0	3,233	357	0	+94	117	.39	.00
24	430.30	783,698	-3,782	189	1,577	359	0	-159	113	.38	.00
25	430.30	783,698	+0	3,208	2,899	340	0	+30	110	.37	.00
26	430.74	787,757	+4,059	3,591	1,075	122	0	-347	167	.56	.00
27	431.30	792,934	+5,177	3,135	0	127	0	-398	194	.65	.00
28	431.17	791,731	-1,203	1,965	2,608	274	0	+310	167	.56	.00
29	430.91	789,328	-2,403	2,606	3,036	292	0	-490	138	.46	.00
30	430.79	788,219	-1,109	1,774	2,379	285	0	+331	138	.46	.00
31	430.71	787,480	-739	2,000	1,869	363	0	-140	135	.45	.00
TOTALS			-130,867	25,765	80,416	10,216	0	-1,108	4,667	15.36	.35
ACRE-FEET			-130,867	51,105	159,505	20,263	0	-2,198	9,257		

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	159,505	SPILL	0
PACHECO TUNNEL	20,263	TOTAL	179,768
		THIS MONTH =	.35
		JULY 1, 2003 TO DATE =	.35

AUGUST 2003

CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY
DAILY OPERATIONS

RUN DATE: September 25, 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		
		46,180									
1	221.40	46,810	+630	0	5,277	5,762	527	0	10,222		+28
2	221.70	47,598	+788	0	5,335	5,931	66	0	11,030		+227
3	220.22	43,723	-3,875	447	2,387	5,877	0	0	10,808		+144
4	222.20	48,942	+5,219	525	5,163	5,824	0	0	9,186		+305
5	222.51	49,740	+798	464	3,382	5,759	0	0	9,370		+167
6	221.15	46,154	-3,586	516	1,033	6,291	0	0	9,801		+153
7	221.44	46,915	+761	578	2,568	6,382	0	0	9,167		+22
8	220.79	45,210	-1,705	630	959	6,421	0	0	8,980		+111
9	222.22	48,969	+3,759	806	3,826	6,303	0	0	9,198		+158
10	221.27	46,469	-2,500	1,001	0	6,607	0	0	8,997		+129
11	223.03	51,126	+4,657	1,069	3,295	5,975	0	0	8,209		+218
12	222.50	49,713	-1,413	946	0	6,292	0	0	8,284		+333
13	219.74	42,480	-7,233	687	0	6,269	0	2,023	8,781		+202
14	218.73	39,901	-2,579	480	2,212	6,217	125	597	10,114		+627
15	220.53	44,531	+4,630	464	5,479	6,365	379	0	9,859		+265
16	221.87	48,045	+3,514	454	4,346	6,224	419	0	9,096		+262
17	220.13	43,489	-4,556	474	875	6,447	387	500	9,492		+286
18	222.05	48,517	+5,028	425	4,811	6,129	230	0	9,000		+400
19	222.50	49,713	+1,196	437	3,640	6,129	114	1,588	8,117		+217
20	221.23	46,364	-3,349	407	2,170	6,412	0	1,989	9,368		+679
21	221.40	46,810	+446	440	3,252	6,216	0	600	9,584		+501
22	220.99	45,734	-1,076	677	1,730	6,491	0	0	10,026		+586
23	221.52	47,125	+1,391	990	3,233	5,933	0	0	9,860		+406
24	222.30	49,182	+2,057	1,363	1,577	6,645	0	189	8,780		+421
25	223.60	52,652	+3,470	1,530	2,899	6,439	0	3,208	6,058		+149
26	222.10	48,650	-4,002	1,375	1,075	6,046	0	3,591	7,472		+549
27	219.77	42,557	-6,093	1,273	0	6,167	0	3,135	7,714		+337
28	220.29	43,905	+1,348	1,190	2,608	6,188	0	1,965	7,923		+582
29	220.74	45,080	+1,175	1,202	3,036	6,128	0	2,606	7,522		+354
30	221.50	47,073	+1,993	1,391	2,379	6,175	0	1,774	7,629		+463
31	222.15	48,783	+1,710	1,734	1,869	5,837	0	2,000	6,948		+1,194
TOTALS			+2,603	23,975	80,416	191,881	2,247	25,765	276,595		+10,475
ACRE-FEET			+2,603	47,554	159,505	380,596	4,457	51,105	548,626	1,633	20,777

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	4,457	DOS AMIGOS PUMP	548,626		
SAN LUIS PUMP	51,105	DELIVERIES	1,633	TOTAL	605,821

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

Table 19

AUGUST 2003

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: September 25, 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	11,429	0	11,429	0	0	0	1,046	0	0	0	6,589	3,878	10,467	665	5,362	14,913	20,275
2	11,765	0	11,765	0	0	0	131	0	0	0	6,634	3,948	10,582	671	5,419	16,459	21,878
3	11,657	0	11,657	887	0	887	0	0	0	0	0	4,734	4,734	419	5,419	16,019	21,438
4	11,552	0	11,552	1,042	0	1,042	0	0	0	0	6,688	3,552	10,240	485	5,533	12,687	18,220
5	11,423	0	11,423	921	0	921	0	0	0	0	4,947	1,761	6,708	638	5,519	13,066	18,585
6	12,479	0	12,479	1,024	0	1,024	0	0	0	0	0	2,048	2,048	653	5,468	13,973	19,441
7	12,658	0	12,658	1,147	0	1,147	0	0	0	0	3,946	1,148	5,094	691	5,471	12,711	18,182
8	12,736	0	12,736	1,249	0	1,249	0	0	0	0	0	1,902	1,902	715	5,448	12,364	17,812
9	12,502	0	12,502	1,599	0	1,599	0	0	0	0	3,605	3,984	7,589	768	5,458	12,787	18,245
10	13,105	0	13,105	1,986	0	1,986	0	0	0	0	0	0	0	776	4,926	12,920	17,846
11	11,851	0	11,851	2,120	0	2,120	0	0	0	0	6,310	226	6,536	726	4,911	11,371	16,282
12	12,481	0	12,481	1,876	0	1,876	0	0	0	0	0	0	0	782	4,960	11,471	16,431
13	12,434	0	12,434	1,362	0	1,362	0	0	4,012	4,012	0	0	0	632	4,897	12,521	17,418
14	12,332	0	12,332	952	0	952	248	0	1,184	1,184	4,202	186	4,388	762	4,777	15,285	20,062
15	12,624	0	12,624	920	0	920	752	0	0	0	4,197	6,671	10,868	780	3,977	15,578	19,555
16	12,346	0	12,346	900	0	900	831	0	0	0	4,245	4,375	8,620	777	4,092	13,949	18,041
17	12,787	0	12,787	941	0	941	767	0	992	992	0	1,736	1,736	748	4,062	14,766	18,828
18	12,156	0	12,156	843	0	843	456	0	0	0	4,287	5,256	9,543	714	4,053	13,799	17,852
19	12,157	0	12,157	867	0	867	227	0	3,150	3,150	6,535	685	7,220	740	5,498	10,603	16,101
20	12,718	0	12,718	808	0	808	0	0	3,945	3,945	4,341	-37	4,304	694	5,517	13,064	18,581
21	12,329	0	12,329	872	0	872	0	0	1,190	1,190	6,428	23	6,451	696	5,483	13,527	19,010
22	12,875	0	12,875	1,342	0	1,342	0	0	0	0	3,464	-33	3,431	738	5,524	14,362	19,886
23	11,769	0	11,769	1,963	0	1,963	0	0	0	0	6,483	-71	6,412	709	5,518	14,040	19,558
24	13,181	0	13,181	2,703	0	2,703	0	426	-52	374	0	3,127	3,127	713	5,557	11,858	17,415
25	12,771	0	12,771	3,034	0	3,034	0	2,850	3,514	6,364	4,427	1,323	5,750	674	5,478	6,538	12,016
26	11,993	0	11,993	2,727	0	2,727	0	0	7,122	7,122	2,129	3	2,132	242	5,645	9,175	14,820
27	12,233	0	12,233	2,525	0	2,525	0	0	6,219	6,219	0	0	0	252	6,544	8,757	15,301
28	12,274	0	12,274	2,361	0	2,361	0	0	3,898	3,898	5,157	15	5,172	544	6,529	9,186	15,715
29	12,155	0	12,155	2,384	0	2,384	0	0	5,169	5,169	4,131	1,891	6,022	579	6,507	8,413	14,920
30	12,248	0	12,248	2,759	0	2,759	0	0	3,518	3,518	4,581	137	4,718	566	6,573	8,560	15,133
31	11,577	0	11,577	3,440	0	3,440	0	0	3,967	3,967	3,622	85	3,707	721	6,654	7,128	13,782
TOTAL	380,597	0	380,597	47,554	0	47,554	4,458	TOTAL	51,104	TOTAL	159,501	TOTAL	20,270	TOTAL	548,629	FEDERAL	166,779
FEDERAL	0	0	0	47,554	0	47,554	0	FEDERAL	3,276	FEDERAL	106,948	FEDERAL	0	FEDERAL	381,850	STATE	381,850
STATE	380,597	0	380,597	0	0	0	0	STATE	47,828	STATE	52,553	STATE	20,270	STATE	0	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

AUGUST 2003

FEDERAL-STATE OPERATIONS

RUN DATE: September 25, 2003

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS BYRON			AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	BETHANY TOTAL	STATE	FED	TOTAL		
1	8,081	0	8,081	13,214	13,039	0	13,039	0	0	132	16,100	0	16,100	9,127	
2	8,374	0	8,374	13,237	12,933	0	12,933	0	0	132	15,278	0	15,278	8,505	
3	8,487	0	8,487	11,928	13,098	0	13,098	0	0	100	17,162	0	17,162	7,600	
4	8,522	0	8,522	13,166	12,873	0	12,873	0	0	143	12,605	0	12,605	7,480	
5	8,442	0	8,442	13,206	13,017	0	13,017	0	0	124	14,544	0	14,544	7,521	
6	8,441	0	8,441	14,010	13,940	0	13,940	0	0	113	14,230	0	14,230	7,417	
7	8,469	0	8,469	14,110	13,863	0	13,863	0	0	139	13,587	0	13,587	7,322	
8	8,472	0	8,472	14,217	13,914	0	13,914	0	0	131	12,320	0	12,320	7,223	
9	8,428	0	8,428	14,005	13,907	0	13,907	0	0	120	14,751	0	14,751	6,829	
10	8,441	0	8,441	14,228	13,914	0	13,914	0	0	120	12,662	0	12,662	6,455	
11	8,431	0	8,431	14,196	13,884	0	13,884	0	0	32	12,320	0	12,320	6,311	
12	8,406	0	8,406	14,231	13,903	0	13,903	0	0	113	11,806	0	11,806	6,530	
13	8,471	0	8,471	13,948	13,971	0	13,971	0	0	127	12,164	0	12,164	7,109	
14	8,422	0	8,422	14,112	13,908	0	13,908	0	0	140	14,214	0	14,214	7,718	
15	8,608	0	8,608	13,871	13,880	0	13,880	0	0	120	13,229	0	13,229	8,440	
16	8,561	0	8,561	13,934	13,965	0	13,965	0	0	120	13,315	0	13,315	8,492	
17	8,635	0	8,635	13,792	13,970	0	13,970	0	0	80	14,327	0	14,327	8,461	
18	8,655	0	8,655	14,073	13,877	0	13,877	0	0	24	13,741	0	13,741	8,268	
19	8,602	0	8,602	14,231	13,957	0	13,957	0	0	102	12,575	0	12,575	7,962	
20	8,625	0	8,625	14,215	13,957	0	13,957	0	0	128	13,507	0	13,507	7,817	
21	8,702	0	8,702	14,220	13,879	0	13,879	0	0	126	13,995	0	13,995	7,830	
22	8,590	0	8,590	14,233	14,860	0	14,860	0	0	84	14,790	0	14,790	7,248	
23	8,661	0	8,661	14,191	13,960	0	13,960	0	0	80	14,232	0	14,232	6,698	
24	8,628	0	8,628	14,213	13,991	0	13,991	0	0	50	12,804	0	12,804	5,925	
25	8,670	0	8,670	14,240	13,982	0	13,982	0	0	236	9,832	0	9,832	5,636	
26	8,587	0	8,587	13,467	13,829	0	13,829	0	0	69	11,593	0	11,593	5,860	
27	8,677	0	8,677	14,088	13,830	0	13,830	0	0	64	12,020	0	12,020	6,152	
28	8,615	0	8,615	14,161	13,847	0	13,847	0	0	99	11,028	0	11,028	6,254	
29	8,552	0	8,552	14,110	13,831	0	13,831	0	0	85	11,478	0	11,478	6,168	
30	8,553	0	8,553	14,242	13,948	0	13,948	0	0	78	11,135	0	11,135	5,794	
31	8,619	0	8,619	13,553	13,883	0	13,883	0	0	80	11,564	0	11,564	5,179	
TOTALS	264,427	0	264,427	430,642	427,610	0	427,610	0	0	3,291	408,908	0	408,908	221,331	

COMMENTS: ALL VALUES IN ACRE-FEET

TOTAL TRACY: 08/01/03 - Decrease in pumping due to Jersey Water Quality.

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					116016
Delta-Mendota	261583	236924	267282	112816	89901	262129	257780	264427					1752842
Actual Fed Dos Amigos	62174	84109	70926	80774	85819	177721	211095	NA					772618
Madera	0	0	0	13220	44954	223582	59818	43847					385421
Friant-Kern	11709	25236	22047	76355	186269	57143	205266	146210					730235
Corning	0	258	0	115	1452	3628	4064	3697					13214
Folsom-South	2434	2150	1503	2168	2684	2678	2737	2767					19121
Sly Park - Camino Conduit	1041	922	1079	1073	1906	3882	4657	2527					17087
Tehama-Colusa	0	1519	4300	11669	31714	58521	59904	38579					206206
CACHUMA PROJECT													
Tecolote Tunnel	2158	1838	2197	1073	2172	2319	3208	3486					18451
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0	0	0	25680	42640	60400	61020					189740
Klamath Drainage District	12524	10825	9861	2831	2320	12547	11822	9870					72600
Clear Lake Reservoir	0	0	0	0	2340	20860	3490	3260					29950
Gerber Reservoir	0	0	0	0	2100	9960	4360	3700					20120
Klamath River to Lost River	0	0	0	0	0	17607	9608	1933					29148
ORLAND PROJECT													
Stony Creek	0	0	0	0	8503	18847	19686	17414					64450
South Canal	0	0	0	0	6383	12891	13601	12269					45144
North Canal	0	0	0	0	2120	5956	6085	5145					19306
SOLANO PROJECT													
Putah South Canal	3733	3201	4923	9362	17340	32490	37256	29116					137421

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					98270
Atwell Island WD	0	0	0	0	0	0	0	0					0
Delano-Earlimart ID	0	2960	3771	7150	15362	25234	26958	15936					97371
Exeter ID	0	10	79	136	679	2025	2909	2743					8581
City of Fresno	0	837	4	7	15	0	25830	29634					56327
County of Fresno SA #34	4	3	20	15	48	79	95	80					344
Fresno ID	0	0	0	0	67	169	3651	0					3887
Garfield WD	0	0	61	174	278	491	525	388					1917
Hills Valley ID	0	0	17	33	404	699	905	792					2850
International WD	25	53	0	89	64	252	259	266					1008
Ivanhoe ID	0	0	0	952	2513	1341	2250	1679					8735
Kaweah Delta WCD	0	0	0	0	0	386	0	0					386
Kern County Water Agency	0	0	0	0	0	0	0	0					0
Kern-Tulare WD	0	0	1715	1734	978	4247	4863	3942					17479
Kings County WD	0	0	0	0	0	376	0	0					376
Kings River CD	0	0	0	0	0	3457	0	0					3457
Lewis Creek WD	0	0	0	0	0	0	0	0					0
Lindmore ID	0	0	129	828	2989	7697	9762	8858					30263
City of Lindsay	0	45	168	162	257	214	266	269					1381
Lindsay-Strathmore ID	5	117	0	0	0	2423	4368	4144					11057
Wutchumna (Lindsey-Strathmore non-proje	0	0	202	723	1944	1179	0	0					4048
Lower Tule River ID	0	0	0	10194	35532	36555	31197	17992					131470
North-Kern WSD	0	0	0	0	0	0	0	0					0
City of Orange Cove	70	71	86	100	145	191	224	205					1092
Orange Cove ID	0	0	75	258	2910	5423	6290	6016					20972
Pixley ID	0	0	0	2342	9571	13482	11053	0					36448
Porterville ID	0	0	0	1284	2518	3567	3807	2113					13289
Rag Gulch WD	0	320	684	989	2690	1850	2104	1620					10257
Rosedale Rio Bravo WSD	0	0	0	2582	21803	872	0	0					25257
Saucelito ID	0	321	1840	2232	4822	6896	6558	4965					27634
Semitropic WSD	0	0	0	0	0	0	0	0					0
Shafter Wasco ID	541	5629	3670	3579	7988	11240	11475	6923					51045
Southern San Joaquin MUD	0	5260	5151	7096	13274	20789	22953	15457					89980
Smallwood Vineyards	0	0	33	62	72	113	114	48					442
Stone Corral ID	0	0	9	232	780	1614	1822	1629					6086
Strathmore PUD	0	19	19	19	34	42	51	42					226
Styro Tek, Inc.	0	0	1	0	1	0	1	1					4
Tea Pot Dome WD	0	0	0	160	495	1039	1267	1129					4090
Terra Bella ID	0	0	125	449	1538	3178	4000	3547					12837
Tri-Valley WD	0	0	0	0	25	232	314	356					927
Tulare ID	0	2692	0	11459	28428	31717	10055	5170					89521
	0	0	0	0	0	10270	0	0					10270
Total	2352	20711	17859	75505	209653	216732	195926	140960	0	0	0	0	879698

* 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					87983
Madera ID	0	0	0	4679	25629	33684	31464	10677					106133
Soquel	0	0	0	0	0	0	0	9461					9461
Total	0	0	0	9535	41279	54491	56000	42272	0	0	0	0	203577
MILLERTON LAKE													
County of Madera	1	2	3	3	5	7	8	7					36
Fresno County # 18	5	5	7	8	14	20	24	21					104
Gravelly Ford WD	0	2	345	1146	740	1288	1107	1098					5726
Total	6	9	355	1157	759	1315	1139	1126	0	0	0	0	5866

* 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					3942
Hughes, Melvin	0	21	0	0	0	19	30	23					93
James ID	0	2341	546	1066	2420	9634	9517	8224					33748
Laguna WD	0	0	0	0	0	0	0	0					0
Dudley & Indart	0	910	301	124	490	813	727	684					4049
Mid-Valley WD (no contract)	0	0	0	368	0	0	0	0					368
Reclamation 1606	0	0	0	41	41	55	67	76					280
Terra Linda (Goodman)	0	798	624	779	816	1418	1819	1225					7479
Tranquility ID	65	5203	1071	475	2687	6364	6395	4540					26800
Wilson, JW (no contract)	0	169	18	0	0	165	200	165					717
Total	65	10156	2744	3002	6808	19228	19753	15720	0	0	0	0	77476
Exchange Contractors													
Central California ID	279	36522	31255	21112	36100	75416	88388	89888					378960
Columbia Canal Co	2	3648	5595	5451	5867	8815	10451	9376					49205
Firebaugh Canal Co	218	234	1258	2398	2523	3518	4025	10139					24313
San Luis Canal Co	0	4059	13742	8446	13050	27471	29032	26268					122068
Total	499	44463	51850	37407	57540	115220	131896	135671	0	0	0	0	574546
Refuges													
Grassland WD - 76.05L CCID #1-07-20-W1754	9348	12037	6037	5091	16878	6908	4223	17237					77759
US F&WS - Kesterson #00-WC-20-1647	4679	1243	1241	2672	0	2248	5497	302					17882
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	1136	2139	1291	220	236	145	0	1008					6175
State F&G - Water Fowl Dist #1-07-20-W19756	4075	2454	1554	521	1527	2226	2733	3100					18190
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	497	427	315	307	546	1324	553	583					4552
Total	19735	18300	10438	8811	19187	12851	13006	22230	0	0	0	0	124558

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					2177
Broadview WD	1013	1646	930	480	661	2868	3126	1729					12453
CCID (Abv CK 13)	240	139	1108	748	2222	2124	2426	2039					11046
CCID (Blw CK 13)	0	1347	4429	664	9983	13860	23806	10192					64281
Centinella WD	0	0	0	0	0	0	0	0					0
China Island (76.05)	0	1043	833	426	365	0	732	0					3399
Del Puerto WD	151	1735	3527	7750	11081	15094	18647	12104					70089
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0	0					0
Eagle Field WD	59	425	142	50	11	548	660	499					2394
Firebaugh Canal	2202	5784	1170	454	924	6816	9547	6399					33296
Frietas Unit (76.05L)	0	1078	1258	835	795	0	904	0					4870
Mercy Springs WD	0	156	57	249	136	309	362	308					1577
Oro Loma WD	0	281	0	0	0	277	293	250					1101
Panoche WD - Ag	422	660	351	232	303	1156	1643	985					5752
Panoche WD - M&I	2	3	2	3	2	3	2	3					20
Patterson WD	0	209	354	336	866	1059	1592	939					5355
Plainview WD	19	48	211	367	464	476	559	468					2612
Salt Slough Unit (76.05L)	0	926	992	723	1021	0	1217	0					4879
San Luis WD - Ag	38	1841	812	818	797	2128	2782	1725					10941
San Luis WD - M&I	1	1	3	3	12	35	31	24					110
Tracy, City of	104	361	571	720	958	1187	1301	1306					6508
West Side ID	0	0	0	0	0	22	152	226					400
Widren	0	54	0	0	0	16	25	17					112
W. Stanislaus ID	0	556	1600	4081	4160	4951	8242	7180					30770
F&G - Los Banos Ref. 76.05L	0	1068	1168	538	1044	393	0	0					4211
Volta Wildlife Mgmt Area (F&G)	109	17	127	195	330	158	147	615					1698
Grasslands WD -76.05L	5851	3441	1085	725	7580	6214	2675	13777					41348
Grasslands WD - Volta	1286	1253	1139	0	1406	336	494	0					5914
F&S (Volta) Santa Fee Kest.	0	0	0	0	0	0	0	0					0
F&S - Kesterson 76.05L	0	665	819	512	778	0	0	0					2774
Total DMC Deliveries	11497	24737	22688	21133	46272	60357	82493	60910	0	0	0	0	330087
Oneill Net Pumped	222449	122252	167000	34494	(53271)	42298	(7025)	43096					571293
DMC plus Oneill	233946	146989	189688	55627	(6999)	102655	75468	104006	0	0	0	0	901380

* 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					1677
Broadview WD	4	1	0	2	1	4	3	3					14
City of Coalinga	310	423	197	501	540	899	1026	888					4474
City of Dos Palos	62	68	78	95	141	173	197	161					913
City of Huron	43	50	64	90	83	104	123	120					634
Pacheco WD	225	399	179	126	1	1271	2742	1926					6644
Pacheco CCID Non-project (Hamburg)	457	984	537	0	1174	1615	0	0					4767
Panoche WD	3032	6457	3102	4068	4763	8981	12765	8019					51187
San Luis WD	1677	5012	4798	5688	6803	11505	14290	8916					58689
Westlands WD (Federal)	54952	72952	62666	74922	91722	171127	189035	132189					849565
Phase I (Non-chargeable)	1	5	0	0	0	3	0	0					9
Fish & Game (Lateral 4)	1	0	1	1	2	2	2	3					12
Fish & Game (Lateral 6)	0	0	0	0	0	0	0	0					0
Total	60947	86517	71812	85684	105474	195968	220496	152514	0	0	0	0	979412
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	40	25	69	2	99	111	168	52					566
San Luis WD Ag	32	690	582	975	1202	1852	2298	1500					9131
San Luis M&I	37	32	21	33	61	69	94	81					428
VA Cemetary	1	4	3	4	7	9	14	16					58
Total	110	751	675	1014	1369	2041	2574	1649	0	0	0	0	10183
CROSS VALLEY CANAL													
County of Fresno	0	0	0	216	0	0	0	0					216
County of Tulare	0	0	0	383	0	0	0	0					383
Lower Tule River ID	0	0	0	0	0	0	0	0					0
Pixley ID	0	0	0	0	0	0	0	0					0
Kern-Tulare WD	0	0	0	1075	0	0	0	0					0
Rag Gulch WD	0	0	0	358	0	0	0	0					0
Hills-Valey ID	0	0	0	242	0	0	0	0					0
Tri-Valley ID	0	0	0	82	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					73216
San Benito	254	1407	623	397	1139	3824	5164	5079					17887
Total	4224	3392	7275	10003	10783	14651	20505	20270	0	0	0	0	91103

* 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					41937
Cortina WD	0	0	0	37	100	272	278	96					783
Davis WD	0	2	17	339	126	401	598	426					1909
Dunnigan WD	8	22	133	455	1334	3237	3495	1970					10654
4-M Water District	0	3	7	85	225	305	406	273					1304
GCID	0	43	960	2135	3319	4905	4810	5164					21336
Glenn Valley WD	0	0	0	0	32	73	177	119					401
Glide WD	0	8	9	269	2498	3177	4123	2532					12616
Holthouse WD	0	7	24	109	329	403	549	384					1805
Kanawha WD	3	27	146	737	2470	7036	7815	4865					23099
Kirkwood WD	0	0	0	0	36	111	132	0					279
La Grande WD	0	0	0	624	1247	1427	1291	1001					5590
Myers-Marsh MWC	0	0	25	47	149	261	154	0					636
Orland-Artois WD	14	120	29	518	6581	13098	15059	9912					45331
Westside WD	0	40	453	2326	4180	9425	8327	5463					30214
Total	98	392	2856	10160	27905	56486	60460	39537	0	0	0	0	197894

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					1784
Anderson Cottonwood ID	0	0	0	6184	14829	19488	18866	18330					77697
Andreotti, Arthur, et al	0	0	0	0	400	707	724	631					2462
Baber, Jack, et	0	0	0	0	228	680	718	324					1950
A&R Farms (Odysseus)	0	0	0	0	15	5	53	32					105
Cannel, Fred	0	0	0	0	10	308	244	0					562
Carter, Jane	0	0	0	0	142	554	303	115					1114
Colusa Prop. Inc	0	0	0	0	10	1	98	0					109
Conaway Conservancy Group	0	0	0	0	3815	5535	6556	5484					21390
Davis, Olive P, et al	0	0	0	1312	5674	4869	5978	5002					22835
Deseret Farms of Calif	0	0	0	0	45	287	328	176					836
Dommer, Elizabeth	0	0	0	0	0	2	3	2					7
Forry, David G, et al	0	0	0	0	112	242	518	369					1241
Forster, Rosemary	0	0	0	0	474	330	384	303					1491
Furlan Joint Venture (Area #1)	0	0	0	0	0	49	66	0					115
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0	0					0
Glenn-Colusa ID	0	0	0	44780	126973	137584	161359	122793					593489
Griffin, J, et al	0	0	0	0	429	550	121	174					1274
Henle Family Limited Partnership	0	0	0	14	115	215	92	5					441
Hershey Land Co	0	0	0	0	100	219	335	284					938
Hiatt, Glenn	0	0	0	0	28	303	283	122					736
Hollins, Mariette B	0	0	0	7	194	178	210	164					753
Howald Farms	0	0	0	0	106	223	152	51					532
King, Barbara	0	0	0	0	0	2	2	2					6
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	0	0	0	0					0
Lockett, William P.	0	0	0	0	0	2	144	0					146
Loma Cold Storage/J Micheli	0	0	0	18	1031	1556	686	273					3564
M&T Inc.	0	0	0	0	862	1003	1810	1419					5094
MCM Properties, Inc	0	0	0	0	0	60	77	24					161
Maxwell ID	0	0	0	239	399	110	0	0					748
Meridan Farms WC	0	0	0	183	2959	2992	4937	5464					16535
Natomas Central MWC	0	0	0	1290	12566	16459	23861	18261					72437
O'Brien, Janice	0	0	0	0	87	277	233	59					656
Oji Bros. Farms Inc	0	0	0	129	346	674	782	370					2301
Oji, Mitsue Family PTN	0	0	0	0	278	1045	642	0					1965
Pelger Mutual WC	0	0	0	98	1413	1330	620	581					4042
Pleasant Grove-Verona MWC	0	0	0	0	1966	3217	4413	2672					12268
Princeton,-Codora-Glenn ID	0	0	0	2992	11804	11486	13726	9582					49590
Provident Irrigation District	0	0	0	3210	12461	11187	13824	5903					46585
Reclamation Dist #108	0	0	0	2087	26250	31745	38176	26084					124342
Reclamation Dist #1004	0	0	0	943	9726	10597	15947	12054					49267
Reynen, John, et al	0	0	0	0	807	976	1668	1223					4674
River Garden Farms	0	0	0	396	4160	4473	4350	3782					17161
Roberts Ditch Irrigation Co	0	0	0	0	368	765	1113	790					3036
Sartain Mutual WC	0	0	0	0	276	462	508	292					1538
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	0	2	69	162	212					445
Spence, Ruth Ann	0	0	0	0	0	0	0	0					0
Sutter Mutual WC	0	0	0	3787	28891	38509	46943	42932					161062
Swinford Tract Irrigation Co	0	0	0	0	0	0	27	23					50
Tarke, James, et al	0	0	0	0	184	328	375	336					1223
Tisdale Irrigation & Drain	0	0	0	45	1096	1853	1834	1606					6434
Wallace Construction, Inc.	0	0	0	0	0	0	300	187					487
Wells, Joyce M	0	0	0	8	210	237	279	217					951
Wilson Ranch Partnership	0	0	0	0	0	0	0	0					0
Windswept Land & Livestock Co.	0	0	0	0	75	412	297	35					819
Total	0	0	0	67929	272279	314459	375664	289117					1319448

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

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