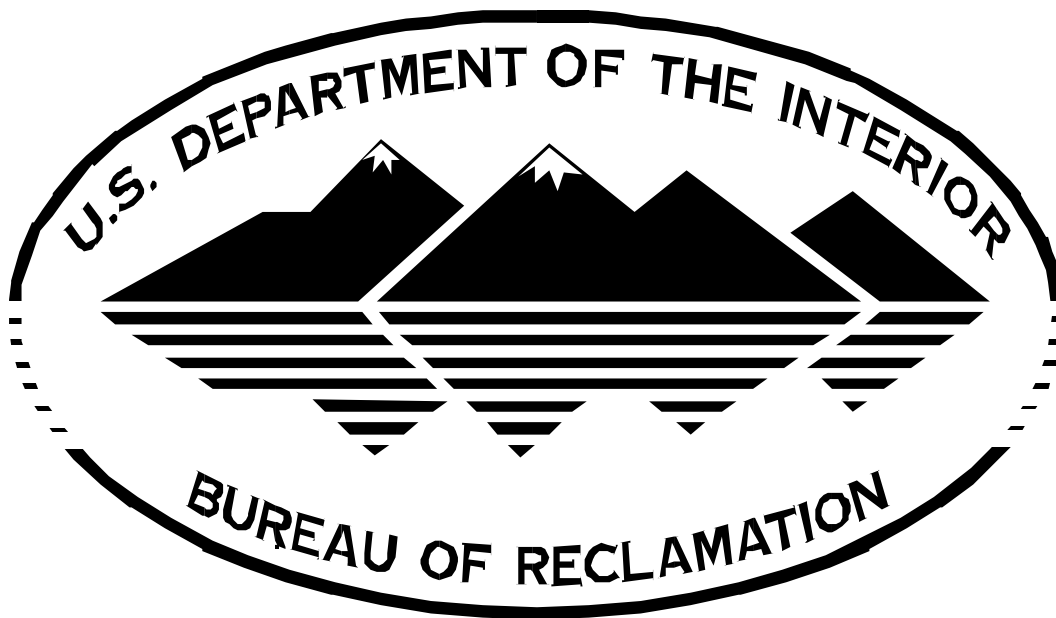


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



December 2002

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SUMMARY OF DECEMBER 2002 OPERATIONS

Sacramento had an average monthly temperature of 50.9 °F which was 3.2 °F above normal. The average temperature at Shasta Dam was 46.4 °F which was .2 °F below normal and Huntington Lake was 4.2 °F below normal with an average temperature of 32.0 °F.

Trinity System: Storage in Trinity Lake increased 182,300 acre-feet this month to 1,575,100 acre-feet, which is 64 percent of capacity and 109 percent of the 15 year average for this date. The total inflow for the month was 202,589 acre-feet. The Trinity River release was 300 ft³/s. Whiskeytown Lake was operated between elevations 1198.11 feet and 1204.21 feet with an end-of-month storage of 214,500 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 200 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 8,715 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 888,200 acre-feet for an end-of-month storage of 3,223,200 acre-feet, which is 71 percent of capacity and 123 percent of the 15 year average. The total inflow for the month was 1,106,378 acre-feet. The release to the Sacramento River at Keswick ranged between 4,000 and 15,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 90,900 acre-feet and had an end-of-month storage of 537,500 acre-feet, which is 55 percent of capacity and 141 percent of the 15 year average for this date. The total inflow for the month was 203,128 acre-feet. The release to the American River at Nimbus ranged between 1,500 and 1,750 ft³/s during the month.

New Melones: Storage in New Melones increased 53,800 acre-feet for an end-of-month storage of 1,358,300 acre-feet or 56 percent of capacity and 113 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 275 to 300 ft³/s for the month. The total inflow for the month was 68,284 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on December 31, 2002, was 690,000 acre-feet compared to the storage a year ago of 710,000 acre-feet.

Friant: Storage in Millerton Lake increased 54,543 acre-feet to 306,900 acre-feet. The total monthly inflow was 64,908 acre-feet. The release to the San Joaquin River at Friant varied between 100 and 118 ft³/s.

CVP Totals: The total diversions to CVP canals were 212,976 acre-feet. The December 31, 2002, storage in the 18 CVP reservoirs was 7,384,000 acre-feet compared to storage 1 year ago of 6,973,000 acre-feet.

Power: Gross power production for the CVP totaled 186,487,000 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	12/31/02	12/31/01	WATERSHED	RESERVOIR	TOTAL CAPACITY	12/31/02	12/31/01
KLAMATH	CLEAR LAKE *	526,800	96,460	150,000	AMERICAN	FOLSOM LAKE *CVP	1,010,300	537,550	337,280
	GERBER *	94,300	15,730	23,380		LAKE NATOMA *CVP	9,030	7,960	3,710
	UPR KLAMATH LK *	873,300	254,600	327,210	COSUMNES	JENKINSON LK *CVP	41,000	27,670	28,350
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,575,140	1,423,870	MOKELUMNE	CAMANCHE	431,500	262,310	202,560
	LEWISTON LAKE*CVP	14,660	14,200	13,990		PARDEE	210,000	170,440	177,400
	WHISKEYTOWN *CVP	241,100	214,510	207,160	SALT SPRINGS	140,000	47,650	13,800	
MCCLOUD	MCCLOUD DIV. RES	35,230	32,300	20,400	CALAVERAS	NEW HOGAN	317,100	134,500	131,960
PIT	IRON CANYON	24,240	6,090	8,610		NEW MELONES*CVP	2,420,000	1,358,260	1,516,400
	LAKE BRITTON	40,620	39,560	29,760		BEARDSLEY	97,800	32,340	25,560
	PIT NO. 6	15,890	15,120	11,510	STANISLAUS	DONNELLS	64,320	6,570	14,160
	PIT NO. 7	34,610	33,170	29,500		TULLOCH	67,000	54,150	56,310
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,223,200	2,986,260	TUOLUMNE	LAKE ELEANOR	26,100	3,180	13,710
	SPRING CREEK *CVP	5,900	6,080	5,180		LAKE LLOYD	268,000	212,000	218,160
	KESWICK *CVP	23,800	21,670	21,310		HETCH-HETCHY	360,400	238,220	192,890
	RED BLUFF DIV *CVP	3,920	1,210	840	NEW DON PEDRO	2,030,000	1,299,230	1,249,310	
FEATHER	OROVILLE	3,538,000	1,624,340	1,595,880	TURLOCK LAKE	49,000	18,540	13,910	
	THERMALITO DIV RES	13,500	13,130	12,760	MERCED	EXCHEQUER	1,024,600	306,530	325,770
	THERMALITO FORE.	14,400	71,080	NA		BUCHANAN	150,000	16,770	21,480
	THERMALITO AFTER.	57,000	27,040	39,300	CRANE VALLEY	45,400	22,800	27,430	
STONY CREEK	LAKE ALMANOR	1,143,000	761,730	644,460	LAKE T.A. EDISON	125,000	49,740	47,600	
	EAST PARK *	50,900	35,410	49,790	FLORENCE LAKE	64,600	1,000	1,000	
	STONY GORGE *	50,000	41,320	39,890	SAN JOAQUIN	MAMMOTH POOL	122,700	23,340	26,190
BLACK BUTTE *CVP	143,700	59,580	45,010	HUNTINGTON LAKE		89,800	44,030	45,880	
PUTAH CREEK	LAKE BERRYESSA *	1,602,300	1,494,820	1,370,310		REDINGER LAKE	35,000	23,810	23,420
	LAKE SOLANO *	720	560	580		SHAVER LAKE	135,400	113,380	121,200
YUBA	BULLARDS BAR	930,000	608,850	591,480	MILLERTON LK *CVP	520,500	306,850	26,190	
	SO. YUBA SYSTEM	146,000	49,320	40,470	FRESNO	HIDDEN	90,000	14,540	13,440
	NARROWS	70,000	66,820	65,480		SAN LUIS **CVP	2,040,600	1,010,090	1,385,630
BEAR	ROLLINS	65,990	65,990	49,150		O'NEILL FORE.**CVP	56,400	43,230	51,150
LITTLE TRUCKEE	STAMPEDE *	226,620	113,200	156,900	SAN LUIS	L BANOS RES**CVP	34,560	20,460	19,260
	BOCA *	41,140	4,800	7,800		LT PANOCHE **CVP	5,580	830	830
PROSSER	PROSSER CREEK *	29,840	7,800	8,200	OIL CANYON	CONTRA LOMA *CVP	2,100	2,130	1,640
TRUCKEE	LAKE TAHOE *	732,000	72,800	126,300	KINGS	WISHON	128,300	42,630	48,910
	RYE PATCH *	190,000	12,400	13,100		PINE FLAT	1,001,500	261,660	369,620
HUMBOLDT					KAWEAH	TERMINUS	143,000	12,960	22,180
CARSON	LAHONTAN *	317,280	114,700	61,700	TULE	SUCCESS	82,300	11,560	15,550
	TWIN LAKES	21,600	13,840	15,770	KERN	ISABELLA	588,100	138,220	105,910
	FRENCH MEADOWS	136,400	69,170	41,250	CUYAMA	TWITCHHELL *	240,100	5,160	5,160
AMERICAN	HELL HOLE	207,590	123,230	44,970	SANTA YNEZ	LAKE CACHUMA *	190,500	124,920	169,005
	LOON LAKE	76,500	31,430	48,670	COYOTE	LAKE CASITAS *	254,000	195,060	223,230
	ICE HOUSE	46,000	25,090	26,320	TOTAL - 85 RESERVOIRS		33,790,040	18,436,660	17,780,245
	UNION VALLEY	277,300	163,860	119,640	TOTAL - 36 RESERVOIRS		18,992,650	11,020,360	10,806,615
	SLAB CREEK	16,600	13,040	12,940	TOTAL - 18 RESERVOIRS		13,572,850	8,430,620	8,074,060

** - Joint State-Federal Reservoir

* - USBR Reservoir

CVP - Central Valley Project

NR - Not Reported

Plant Generation and Energy Summary for 2002

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Generation in mwh</u>													
Shasta													
Gross	129390	72525	112474	119835	215951	270363	305078	202775	140112	117700	109416	78254	1,873,873
Net	128954	72134	112155	119468	215616	270048	304743	202465	139794	117290	108962	77730	1,869,359
Keswick													
Gross	31833	18594	23732	23449	42561	54934	64491	49092	33034	30347	24885	25535	422,487
Net	31683	18464	23586	23324	42428	54801	64350	48954	32903	30208	24746	25411	420,858
Trinity													
Gross	546	6291	8344	21635	78785	58117	60993	59135	32929	29711	9389	5761	371,636
Net	481	6143	8181	21496	78642	57992	60868	59018	32832	29639	9249	5676	370,217
JF Carr													
Gross	368	739	1570	19887	19787	55536	69635	69937	34491	36277	6365	1385	315,977
Net	240	598	1436	19832	19734	55454	69539	69850	34435	36220	6265	1294	314,897
Spring Creek PP													
Gross	33762	11434	8659	2034	21040	53176	67864	67429	29603	40914	6577	41475	383,967
Net	33624	11359	8577	1966	20979	53072	67741	67319	29526	40775	6447	41328	382,713
Folsom													
Gross	22501	21996	48677	62731	46760	46912	57358	32050	23900	22911	19537	26094	431,427
Net	22249	21793	48489	62559	46587	46738	57158	31837	23711	22707	19351	25838	429,017
Nimbus													
Gross	2602	2923	5958	7500	5623	5297	7111	4223	3185	3288	3265	3423	54,398
Net	2584	2902	5936	7480	5603	5277	7092	4214	3156	3267	3242	3403	54,156
New Melones													
Gross	4972	10484	23726	63176	61744	52164	55873	47771	33214	12063	2504	4560	372,251
Net	4864	10386	23618	63054	61617	52053	55754	47656	33112	11978	2428	4476	370,996
O'Neill													
Gross	0	0	0	1147	3037	2448	31	0	0	154	176	0	6,993
Net	0	0	0	1108	2934	2375	19	0	0	101	135	0	6,672
Fed San Luis													
Out Meter	0	0	1728	23275	0	53476	18928	5990	0	0	45	0	103,442
Gross Generation	225,974	144,986	234,868	344,669	495,288	652,423	707,362	538,402	330,468	293,365	182,159	186,487	4,336,451
Net Generation	224,679	143,779	233,706	343,562	494,140	651,286	706,192	537,303	329,469	292,185	180,870	185,156	4,322,327
Stampede (Gross)	327	529	1,500	2,100	2,176	1,812	843	291	244	1,217	150	149	11,338
Stampede (Net)	299	505	1,473	2,076	2,156	1,796	830	281	233	1,201	128	125	11,103
<u>Energy in mwh</u>													
Tracy													
Tot Energy	59504	46477	59914	29204	11716	34516	62001	60123	58812	58411	51031	47050	578,759
Fed Off-Pk	28189	21469	28350	13551	5577	16371	29433	28184	29714	27837	25521	23266	277,462
O'Neill													
Tot Energy	13372	5568	9108	3297	0	224	911	3995	6688	7420	9891	9952	70,426
Fed Off-Pk	6419	2652	4324	1501	0	85	416	1810	3456	3680	4936	4971	34,250
San Luis													
Fed Energy	69662	15015	18369	4898	114	63	78	864	36119	33110	44747	36678	259,717
Fed Off-Pk	56537	14970	17559	1203	114	63	63	819	36044	31606	44672	35376	239,026
Dos Amigos													
Fed Energy	4303	12059	11952	11333	13767	25629	24536	19673	3603	0	2409	5876	135,140
Fed Off-Pk	3708	8174	8202	7898	9087	14304	14574	58893	4173	0	2379	5532	136,924
Banks - Fed													
Fed Energy	0	0	0	0	0	0	13018	6444	17080	6094	3654	0	46,290
Fed Off-Pk	0	0	0	0	0	0	3193	1479	9850	4144	2484	0	21,150
Total Energy	146,841	79,119	99,343	48,732	25,597	60,432	100,544	91,099	122,302	105,035	111,732	99,556	1,090,332
Total Fed Off-Pk	94,853	47,265	58,435	24,153	14,778	30,823	47,679	91,185	83,237	67,267	79,992	69,145	708,812

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

DECEMBER 2002

SHASTA LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	RIVER SPILL	OUTLET	C.F.S.	INCHES	
		2,334.9								
1	975.66	2,332.3	-2.7	3,638	4,927	0	0	56	.10	.00
2	975.50	2,329.2	-3.0	3,418	4,915	0	0	39	.07	.00
3	975.33	2,326.0	-3.2	3,215	4,841	0	0	6	.01	.00
4	975.20	2,323.5	-2.5	3,809	5,058	0	0	0	.00	.01
5	975.03	2,320.3	-3.2	3,537	5,152	0	0	17	.03	.00
6	974.94	2,318.6	-1.7	4,081	4,931	0	0	11	.02	.00
7	974.83	2,316.5	-2.1	3,515	4,492	0	0	73	.13	.00
8	974.73	2,314.6	-1.9	3,680	4,634	0	0	0	.00	.00
9	974.61	2,312.3	-2.3	3,812	4,958	0	0	0	.00	.00
10	974.51	2,310.4	-1.9	3,945	4,854	0	0	45	.08	.53
11	974.38	2,308.0	-2.5	3,465	4,684	0	0	22	.04	.02
12	974.36	2,307.6	-0.4	4,094	4,285	0	0	0	.00	.03
13	975.15	2,322.6	+15.0	11,947	4,397	0	0	0	.00	1.19
14	978.51	2,387.0	+64.5	33,491	980	0	0	0	.00	5.94
15	981.44	2,444.2	+57.2	28,909	75	0	0	0	.00	3.82
16	986.20	2,539.1	+94.9	48,296	401	0	0	65	.11	3.98
17	987.88	2,573.2	+34.1	18,973	1,735	0	0	60	.10	.45
18	989.04	2,596.9	+23.7	12,879	922	0	0	6	.01	.01
19	990.00	2,616.6	+19.7	11,392	1,422	0	0	18	.03	.00
20	992.16	2,661.4	+44.8	23,230	638	0	0	0	.00	3.90
21	994.09	2,701.9	+40.5	20,901	492	0	0	0	.00	4.37
22	995.16	2,724.5	+22.6	12,590	1,149	0	0	31	.05	.00
23	995.85	2,739.2	+14.7	11,029	3,568	0	0	69	.11	.00
24	996.38	2,750.5	+11.3	8,582	2,882	0	0	0	.00	.02
25	996.77	2,758.8	+8.3	7,225	3,025	0	0	0	.00	.13
26	997.14	2,766.8	+7.9	9,225	5,200	0	0	32	.05	.35
27	999.93	2,827.0	+60.3	37,827	7,414	0	0	32	.05	2.02
28	1,007.11	2,986.0	+159.0	83,267	3,100	0	0	0	.00	3.79
29	1,010.88	3,072.0	+85.9	48,236	4,900	0	0	14	.02	1.67
30	1,013.83	3,140.4	+68.4	38,347	3,812	0	0	34	.05	.93
31	1,017.34	3,223.2	+82.8	47,236	5,471	0	0	21	.03	4.67
TOTALS			+888.2	557,791	109,314	0	0	651	1.09	37.83
ACRE-FEET			+888,200	1,106,378	216,824	0	0	1,291		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	216,824	OUTLET	0	THIS MONTH =	37.83
SPILL	0	TOTAL	216,824	JULY 1, 2002 TO DATE =	43.05

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

DECEMBER 2002

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)	
		1,392.6								
1	2,293.99	1,392.3	-0.3	160	320	0	0	13	.04	.00
2	2,293.96	1,392.0	-0.3	274	446	0	0	0	.00	.00
3	2,293.92	1,391.5	-0.5	215	437	0	0	7	.02	.00
4	2,293.89	1,391.2	-0.3	239	401	0	0	10	.03	.09
5	2,293.83	1,390.5	-0.7	458	800	0	0	3	.01	.11
6	2,293.78	1,389.9	-0.6	62	342	0	0	7	.02	.00
7	2,293.69	1,388.9	-1.0	343	853	0	0	7	.02	.00
8	2,293.65	1,388.4	-0.5	142	361	0	0	10	.03	.00
9	2,293.62	1,388.1	-0.3	391	563	0	0	0	.00	.00
10	2,293.64	1,388.3	+0.2	533	411	0	0	7	.02	.30
11	2,293.65	1,388.4	+0.1	382	322	0	0	3	.01	.02
12	2,293.60	1,387.9	-0.6	434	721	0	0	0	.00	.11
13	2,293.81	1,390.3	+2.4	1,732	509	0	0	17	.05	.48
14	2,295.64	1,411.3	+21.0	10,955	368	0	0	0	.00	2.02
15	2,297.02	1,427.2	+16.0	8,252	198	0	0	0	.00	1.62
16	2,299.14	1,452.0	+24.8	12,521	14	0	0	0	.00	2.43
17	2,299.86	1,460.5	+8.5	4,433	141	0	0	10	.03	.35
18	2,300.20	1,464.6	+4.0	2,386	348	0	0	10	.03	.01
19	2,300.53	1,468.5	+3.9	2,295	319	0	0	3	.01	.13
20	2,300.89	1,472.7	+4.3	2,549	396	0	0	0	.00	1.16
21	2,301.11	1,475.4	+2.6	1,460	141	0	0	0	.00	1.15
22	2,301.31	1,477.7	+2.4	1,216	14	0	0	0	.00	.00
23	2,301.43	1,479.2	+1.4	1,131	403	0	0	7	.02	.00
24	2,301.55	1,480.6	+1.4	960	235	0	0	4	.01	.02
25	2,301.67	1,482.0	+1.4	939	218	0	0	0	.00	.08
26	2,301.90	1,484.8	+2.7	1,590	203	0	0	4	.01	.13
27	2,302.91	1,496.9	+12.1	6,545	446	0	0	0	.00	.77
28	2,305.86	1,532.6	+35.7	18,013	14	0	0	0	.00	1.54
29	2,307.52	1,552.9	+20.3	10,286	14	0	0	22	.06	.48
30	2,308.52	1,565.2	+12.3	6,230	14	0	0	0	.00	.66
31	2,309.32	1,575.1	+9.9	5,011	16	0	0	0	.00	2.13
TOTALS			+182.3	102,137	9,988	0	0	144	.42	15.79
ACRE-FEET			+182,300	202,589	19,811	0	0	286		

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	19,811	OUTLET	0
SPILL	0	TOTAL	19,811
		THIS MONTH =	15.79
		JULY 1, 2002 TO DATE =	19.60

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

DECEMBER 2002

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		
		206.0										
1	1,198.50	205.7	-0.4	36	14	22	200	0	14	0	.00	.00
2	1,198.39	205.4	-0.3	54	14	40	200	0	14	3	.03	.00
3	1,198.29	205.1	-0.3	65	14	51	200	0	14	0	.00	.00
4	1,198.20	204.8	-0.3	83	56	27	200	0	14	3	.03	.03
5	1,198.35	205.2	+0.4	437	486	-49	200	0	14	0	.00	.03
6	1,198.27	205.0	-0.2	98	122	-24	200	0	14	3	.03	.02
7	1,198.47	205.6	+0.6	513	546	-33	200	0	14	2	.02	.00
8	1,198.36	205.3	-0.3	54	118	-64	200	0	14	3	.04	.00
9	1,198.27	205.0	-0.3	80	118	-38	200	0	14	0	.00	.00
10	1,198.20	204.8	-0.2	110	118	-8	200	0	14	0	.00	.23
11	1,198.11	204.5	-0.3	80	118	-38	200	0	14	0	.00	.03
12	1,198.24	204.9	+0.4	407	389	18	200	0	14	0	.00	.03
13	1,198.71	206.3	+1.4	912	157	755	200	0	14	0	.00	.85
14	1,200.22	210.8	+4.5	4,518	118	4,400	200	0	2,058	0	.00	6.94
15	1,200.57	211.8	+1.0	3,898	118	3,780	200	0	3,170	0	.00	1.40
16	1,204.21	222.9	+11.1	6,688	118	6,570	200	0	915	0	.00	5.10
17	1,203.14	219.6	-3.3	1,765	118	1,647	200	0	3,220	0	.00	.24
18	1,201.62	215.0	-4.6	930	118	812	200	0	3,056	0	.00	.01
19	1,200.30	211.0	-4.0	1,018	118	900	200	0	2,818	0	.00	.02
20	1,200.36	211.2	+0.2	2,040	118	1,922	200	0	1,749	0	.00	2.91
21	1,199.55	208.8	-2.4	1,513	118	1,395	200	0	2,530	0	.00	2.02
22	1,198.70	206.3	-2.5	893	118	775	200	0	1,962	0	.00	.01
23	1,198.77	206.5	+0.2	593	118	475	200	0	289	0	.00	.01
24	1,198.48	205.6	-0.9	525	118	407	200	0	756	0	.00	.04
25	1,198.13	204.6	-1.0	446	118	328	200	0	766	0	.00	.08
26	1,198.22	204.9	+0.3	606	118	488	200	0	272	0	.00	.41
27	1,198.83	206.7	+1.8	3,042	118	2,924	200	0	1,936	0	.00	2.60
28	1,201.12	213.5	+6.8	7,941	118	7,823	200	0	4,299	0	.00	3.30
29	1,201.08	213.4	-0.1	4,404	118	4,286	200	0	4,265	0	.00	1.46
30	1,200.81	212.6	-0.8	4,049	118	3,931	200	0	4,257	0	.00	1.62
31	1,201.46	214.5	+2.0	5,050	118	4,932	200	0	3,863	0	.00	4.90
TOTALS			+8.5	52,848	4,394	48,454	6,200	0	42,363	14	.15	34.29
ACRE-FEET			+8.5	104,824	8,715	96,109	12,298	0	84,027	28		

* 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	84,027	OUTLET	12,298	THIS MONTH	34.29
SPILL	0	TOTAL	96,325	JULY 1, 2002 TO DATE	41.11

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

Table 6

DECEMBER 2002

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: January 15, 2003

DAY	ELEV	STORAGE ACRE-FEET		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			JUDGE FRANCIS CARR POWERPLANT	EVAPORATION (2)	
		IN LAKE	CHANGE		POWER	RIVER OUTLETS (1)	SPILL		C.F.S.	INCHES
		14,016								
1	1,900.92	13,852	-164	232	80	40	180	14	1	.04
2	1,901.05	13,948	+96	362	80	40	180	14	0	.00
3	1,901.10	13,986	+38	333	80	40	180	14	0	.02
4	1,901.10	13,986	+0	356	80	40	180	56	0	.03
5	1,901.04	13,941	-45	763	80	40	180	486	0	.01
6	1,900.86	13,808	-133	355	80	40	180	122	0	.02
7	1,900.78	13,749	-59	816	80	40	180	546	0	.02
8	1,900.63	13,639	-110	364	80	40	180	118	1	.03
9	1,901.04	13,941	+302	570	80	40	180	118	0	.00
10	1,901.04	13,941	+0	418	80	43	177	118	0	.02
11	1,900.83	13,786	-155	340	80	45	175	118	0	.01
12	1,900.87	13,815	+29	704	80	45	175	389	0	.00
13	1,900.98	13,896	+81	499	80	45	175	157	1	.05
14	1,901.28	14,120	+224	531	3	45	252	118	0	.00
15	1,901.14	14,016	-104	366	0	45	255	118	0	.00
16	1,901.05	13,948	-68	384	0	45	255	118	0	.00
17	1,900.85	13,801	-147	345	0	45	255	118	1	.03
18	1,901.09	13,978	+177	508	0	45	255	118	1	.03
19	1,901.31	14,143	+165	501	0	45	255	118	0	.01
20	1,901.72	14,450	+307	573	0	45	255	118	0	.00
21	1,901.55	14,322	-128	353	0	45	255	118	0	.00
22	1,901.01	13,918	-404	214	0	45	255	118	0	.00
23	1,901.42	14,225	+307	573	0	45	255	118	0	.02
24	1,901.24	14,091	-134	350	0	45	255	118	0	.01
25	1,901.06	13,956	-135	350	0	45	255	118	0	.00
26	1,900.80	13,764	-192	321	0	45	255	118	0	.01
27	1,901.65	14,397	+633	737	0	45	255	118	0	.00
28	1,901.76	14,479	+82	459	0	45	255	118	0	.00
29	1,901.51	14,292	-187	325	0	45	255	118	1	.06
30	1,901.42	14,225	-67	384	0	45	255	118	0	.00
31	1,901.39	14,203	-22	407	0	45	255	118	0	.00
TOTALS			+187	13,793	1,043	1,348	6,909	4,394	6	.42
ACRE-FEET			+187	27,358	2,069	2,674	13,704	8,715	12	

* 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	2,069	JUDGE FRANCIS CARR POWERPLANT	8,715
TOTAL RIVER	18,447	TOTAL RELEASE	27,162

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

Table 7

DECEMBER 2002

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: January 15, 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	
		825							
1	708.87	829	+4	2	0	0			
2	709.05	834	+5	3	0	0			
3	709.17	838	+4	2	0	0			
4	709.31	842	+4	2	0	0			
5	709.56	849	+7	4	0	0			
6	709.69	852	+3	2	0	0			
7	709.79	855	+3	2	0	0			
8	710.01	861	+6	3	0	0			
9	710.13	865	+4	2	0	0			
10	710.30	870	+5	3	0	0			
11	710.53	877	+7	4	0	0			
12	710.70	882	+5	3	0	0			
13	714.92	1,012	+130	66	0	0			
14	731.71	1,649	+637	326	0	5			
15	745.27	2,301	+652	334	0	5			
16	763.62	3,411	+1,110	565	0	5			
17	765.39	3,530	+119	68	0	8			
18	765.88	3,563	+33	32	0	15			
19	766.75	3,622	+59	50	0	20			
20	773.36	4,093	+471	267	0	30			
21	776.41	4,321	+228	145	0	30			
22	777.18	4,380	+59	60	0	30			
23	777.19	4,381	+1	37	0	36			
24	776.58	4,334	-47	26	0	50			
25	775.76	4,272	-62	19	0	50			
26	774.09	4,147	-125	30	0	93			
27	778.69	4,496	+349	351	0	175			
28	786.08	5,094	+598	476	0	175			
29	787.22	5,190	+96	223	0	175			
30	791.85	5,591	+401	377	0	175			
31	797.25	6,080	+489	487	196	44			
TOTALS			+5,255	3,971	196	1,121			
ACRE-FEET			+5,255	7,876	389	2,224			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	389
OUTLET	2,224
TOTAL	2,613

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

Table 8

DECEMBER 2002

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: January 15, 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)
		22,739								
1	585.03	22,526	-213	5,121	14	4,927	5,226	0	0	2
2	584.77	22,365	-161	5,137	14	4,915	5,217	0	0	1
3	584.11	21,958	-407	5,026	14	4,841	5,231	0	0	0
4	584.23	22,032	+74	5,279	14	5,058	5,242	0	0	0
5	584.79	22,377	+345	5,420	14	5,152	5,245	0	0	1
6	585.14	22,595	+218	5,156	14	4,931	5,046	0	0	0
7	584.19	22,007	-588	4,738	14	4,492	5,032	0	0	2
8	583.66	21,684	-323	4,865	14	4,634	5,028	0	0	0
9	584.30	22,075	+391	5,229	14	4,958	5,032	0	0	0
10	584.84	22,408	+333	5,215	14	4,854	5,046	0	0	1
11	585.12	22,582	+174	5,034	14	4,684	4,945	0	0	1
12	584.57	22,242	-340	4,675	14	4,285	4,846	0	0	0
13	585.44	22,783	+541	5,009	14	4,397	4,736	0	0	0
14	584.98	22,495	-288	4,530	2,058	980	4,675	0	0	0
15	584.79	22,377	-118	4,563	3,170	75	4,622	0	0	0
16	579.97	19,507	-2,870	3,110	915	401	4,555	0	0	2
17	582.35	20,895	+1,388	5,023	3,220	1,735	4,321	0	0	2
18	581.99	20,680	-215	4,089	3,056	922	4,197	0	0	0
19	583.72	21,720	+1,040	4,641	2,818	1,422	4,116	0	0	1
20	584.86	22,421	+701	4,363	1,749	638	4,010	0	0	0
21	584.15	21,983	-438	3,848	2,530	492	4,069	0	0	0
22	582.50	20,985	-998	3,511	1,962	1,149	4,013	0	0	1
23	582.73	21,122	+137	4,074	289	3,568	4,003	0	0	2
24	582.43	20,943	-179	3,911	756	2,882	4,001	0	0	0
25	582.60	21,044	+101	4,066	766	3,025	4,015	0	0	0
26	578.90	18,907	-2,137	5,687	272	5,200	6,763	0	0	1
27	583.28	21,453	+2,546	11,303	1,936	7,414	10,018	0	0	1
28	581.03	20,118	-1,335	9,443	4,299	3,100	10,116	0	0	0
29	581.66	20,487	+369	10,220	4,265	4,900	10,034	0	0	0
30	585.31	22,702	+2,215	9,805	4,257	3,812	8,687	0	0	1
31	583.64	21,671	-1,031	11,338	3,863	5,471	11,857	0	0	1
TOTALS			-1,068	173,429	42,363	109,314	173,944	0	0	20
ACRE-FEET			-1,068	343,996	84,027	216,824	345,018	0	0	40

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

SUMMARY
 RELEASE (ACRE-FEET)

POWER	345,018
SPILL	0
FISH TRAP	0

DECEMBER 2002

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: January 15, 2003

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		303				
1	238.55	304	+1	0	0	5,536
2	238.60	309	+5	0	0	5,536
3	238.64	313	+4	0	0	5,819
4	238.65	314	+1	0	0	5,722
5	238.64	313	-1	0	0	5,714
6	238.64	313	+0	0	0	5,716
7	238.62	311	-2	0	0	5,715
8	238.65	314	+3	0	0	5,664
9	238.63	312	-2	0	0	5,642
10	238.61	310	-2	0	0	5,502
11	238.54	303	-7	0	0	5,463
12	238.52	301	-2	0	0	5,287
13	238.51	300	-1	0	0	5,206
14	240.05	477	+177	0	0	13,874
15	243.10	955	+478	0	0	19,639
16	246.85	1,806	+851	0	0	54,753
17	248.15	2,184	+378	0	0	35,146
18	240.46	533	-1,651	0	0	14,874
19	239.21	375	-158	0	0	6,342
20	241.09	622	+247	0	0	19,133
21	241.09	622	+0	0	0	8,194
22	246.64	1,750	+1,128	0	0	5,735
23	239.70	434	-1,316	0	0	7,145
24	239.05	356	-78	0	0	6,369
25	238.82	332	-24	0	0	6,050
26	238.67	316	-16	0	0	5,700
27	244.70	1,281	+965	0	0	23,450
28	245.16	1,383	+102	0	0	39,500
29	246.30	1,661	+278	0	0	42,500
30	243.13	961	-700	0	0	19,500
31	244.35	1,205	+244	0	0	88,962
TOTALS			+902	0	0	489,388
ACRE-FEET			+902	0	0	970,701

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	0
TEHAMA-COLUSA CANAL	0
TO SACTO RIVER	970,701
TOTAL	970,701

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

December 2002

Date	Midnight	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)			Storage (ac-ft)	Total (sfd)	River (sfd)	[1] (sfd)						[2] (sfd)
1	434.83	23380	-41	11	29	29	0	0	5	0.05	0	29827	46100
2	434.8	23338	-42	10	29	29	0	0	4	0.04	0	29900	46000
3	434.77	23297	-41	11	29	29	0	0	6	0.06	0	29541	45900
4	434.74	23256	-41	13	29	29	0	0	10	0.09	0	29582	45900
5	434.71	23215	-41	9	29	29	0	0	2	0.02	0	29604	45800
6	434.68	23173	-42	10	29	29	0	0	5	0.05	0	29624	45800
7	434.65	23132	-41	11	29	29	0	0	6	0.06	0	29639	45700
8	434.63	23105	-27	17	29	29	0	0	3	0.03	0	29634	45700
9	434.59	23050	-55	1	29	29	0	0	0	0	0	29692	45700
10	434.57	23023	-27	16	29	29	0	0	2	0.02	0	29716	45600
11	434.55	22996	-27	15	29	29	0	0	0	0	0	29757	45600
12	434.52	22955	-41	9	29	29	0	0	2	0.02	0.25	29815	45500
13	434.7	23201	246	156	32	32	0	0	0	0	1.96	31668	43700
14	439.55	30887	7686	3909	34	34	0	0	0	0	1.41	39910	35400
15	442.44	36385	5498	2806	34	34	0	0	0	0	1.64	46935	28400
16	451.11	56579	20194	11145	964	964	0	0	0	0	0.03	47887	27500
17	451.17	56740	161	3970	3885	3885	0	0	8	0.04	0	46390	29000
18	449.1	51379	-5361	1883	4586	4586	0	0	0	0	0	46254	29100
19	447.54	47568	-3811	1516	3437	3437	0	0	0	0	0.75	46367	29100
20	447.39	47211	-357	2745	2925	2925	0	0	0	0	0.66	46878	28500
21	447.11	46549	-662	2586	2919	2919	0	0	2	0.01	0.01	46707	28600
22	446.26	44575	-1974	1742	2728	2728	0	0	19	0.11	0	46684	29000
23	445.04	41837	-2738	862	2235	2235	0	0	14	0.08	0	47369	28000
24	444.23	40081	-1756	558	1441	1441	0	0	5	0.03	0	47507	27800
25	443.94	39465	-616	715	1026	1026	0	0	0	0	0.31	47438	27900
26	443.89	39360	-105	959	1012	1012	0	0	0	0	0.66	47049	28300
27	445.42	42678	3318	2690	1016	1016	0	0	2	0.01	0.15	48083	27300
28	448.69	50360	7682	4889	1016	1016	0	0	0	0	0.71	47346	28000
29	449.23	51705	1345	3813	3133	3133	0	0	4	0.02	0.02	73719	28300
30	447.73	48022	-3683	2891	4748	4748	0	0	0	0	1.47	75091	19600
31	452.21	59576	11554	11215	5378	5378	0	0	23	0.11	0	76886	15400
Totals	(sfd)			61183	42897	42897	0	0					
Totals	(ac-ft)		36155	121356	85086.2	85086.2			122				
Totals	(inches)								0.85	10.03			

[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

DECEMBER 2002

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: January 15, 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	
1	409.32	444.8	-1.7	1,098	1,839	0	0	106	12	.05	.00
2	409.16	443.6	-1.2	1,357	1,847	0	0	105	2	.01	.00
3	409.04	442.7	-0.9	1,482	1,817	0	0	103	10	.04	.00
4	408.91	441.8	-1.0	1,449	1,815	0	0	100	15	.06	.00
5	408.76	440.7	-1.1	1,513	1,956	0	0	101	10	.04	.00
6	408.64	439.8	-0.9	1,666	1,998	0	0	101	10	.04	.00
7	408.37	437.8	-2.0	1,272	2,145	0	0	107	17	.07	.00
8	408.04	435.4	-2.4	838	1,939	0	0	110	7	.03	.00
9	407.98	434.9	-0.4	1,830	1,931	0	0	105	15	.06	.00
10	407.90	434.4	-0.6	1,642	1,854	0	0	75	5	.02	.19
11	407.77	433.4	-0.9	1,491	1,896	0	0	70	0	.00	.08
12	407.59	432.1	-1.3	1,372	1,946	0	0	76	7	.03	.00
13	407.85	434.0	+1.9	2,764	1,720	0	0	78	17	.07	.36
14	409.28	444.5	+10.5	7,173	1,813	0	0	76	0	.00	1.20
15	410.36	452.5	+8.0	5,820	1,693	0	0	82	0	.00	.67
16	412.44	468.2	+15.7	9,495	1,502	0	0	69	8	.03	1.43
17	413.76	478.3	+10.1	6,746	1,567	0	0	59	13	.05	.10
18	414.50	484.1	+5.7	4,566	1,599	0	0	74	0	.00	.10
19	415.23	489.8	+5.7	4,540	1,584	0	0	84	0	.00	.10
20	415.86	494.7	+4.9	4,186	1,603	0	0	88	0	.00	.68
21	416.56	500.3	+5.5	4,513	1,631	0	0	89	0	.00	.46
22	416.93	503.2	+2.9	2,970	1,406	0	0	85	0	.00	.48
23	417.24	505.7	+2.5	2,942	1,593	0	0	79	22	.08	.00
24	417.40	507.0	+1.3	2,365	1,636	0	0	75	8	.03	.00
25	417.44	507.3	+0.3	1,812	1,564	0	0	82	5	.02	.00
26	417.41	507.0	-0.2	1,693	1,725	0	0	84	5	.02	.00
27	417.61	508.6	+1.6	2,595	1,702	0	0	81	5	.02	.00
28	418.24	513.7	+5.1	4,322	1,686	0	0	81	3	.01	.01
29	419.54	524.2	+10.5	6,944	1,583	0	0	46	0	.00	1.09
30	420.32	530.6	+6.4	4,817	1,534	0	0	64	0	.00	.09
31	421.16	537.5	+6.9	5,136	1,550	0	0	95	0	.00	.37
TOTALS			+90.9	102,409	53,674	0	0	2,630	196	.78	7.41
ACRE-FEET			+90,900	203,128	106,462	0	0	5,217	389		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	106,462	OUTLET	0	THIS MONTH =	7.41
SPILL	0	TOTAL	111,679	JULY 1, 2002 TO DATE =	9.47
PUMPING PLANT	5,217				

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

Table 12

DECEMBER 2002

LAKE NATOMA DAILY OPERATIONS

RUN DATE: January 15, 2003

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		ACRE-FEET IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
1	123.58	8,111	-47	1,773	40	1,696	0	60	1
2	123.52	8,064	-29	1,783	40	1,698	0	60	0
3	123.32	7,941	-94	1,744	40	1,690	0	60	1
4	123.16	7,866	-75	1,754	40	1,691	0	60	1
5	123.21	7,890	+24	1,805	40	1,692	0	60	1
6	123.47	8,012	+122	1,854	40	1,691	0	60	1
7	124.06	8,291	+279	1,937	40	1,695	0	60	1
8	124.10	8,311	+20	1,809	40	1,699	0	60	0
9	124.08	8,301	-10	1,793	40	1,697	0	60	1
10	123.94	8,233	-68	1,758	40	1,692	0	60	0
11	123.81	8,172	-61	1,763	40	1,694	0	60	0
12	123.83	8,181	+9	1,798	40	1,693	0	60	0
13	123.46	8,007	-174	1,702	40	1,689	0	60	1
14	123.92	8,223	+216	1,869	15	1,685	0	60	0
15	123.52	8,035	-188	1,650	0	1,685	0	60	0
16	123.75	8,144	+109	1,809	0	1,694	0	60	0
17	122.70	7,656	-488	1,539	15	1,709	0	60	1
18	122.40	7,521	-135	1,490	46	1,452	0	60	0
19	122.34	7,494	-27	1,537	50	1,441	0	60	0
20	122.85	7,724	+230	1,678	50	1,452	0	60	0
21	123.45	8,003	+279	1,689	44	1,444	0	60	0
22	122.72	7,665	-338	1,375	40	1,445	0	60	0
23	122.54	7,584	-81	1,508	40	1,448	0	60	1
24	122.45	7,544	-40	1,520	37	1,443	0	60	0
25	122.09	7,382	-162	1,451	30	1,443	0	60	0
26	122.44	7,539	+157	1,602	19	1,444	0	60	0
27	122.72	7,665	+126	1,565	0	1,441	0	60	0
28	123.05	7,815	+150	1,579	0	1,443	0	60	0
29	123.62	8,082	+267	1,636	0	1,441	0	60	0
30	123.33	7,946	-136	1,455	18	1,446	0	60	0
31	123.36	7,960	+14	1,543	30	1,446	0	60	0
TOTALS			-151	51,768	954	49,019	0	1,860	10
ACRE-FEET			-151	102,682	1,892	97,229	0	3,689	20

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	97,229	FOLSOM SOUTH CANAL	1,892	TOTAL
SPILL	0	HATCHERY	3,689	102,810

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

DECEMBER 2002

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	SPILL	OUTLET	C.F.S.	INCHES	
		1,304.2								
1	981.27	1,305.3	+1.1	579	14	0	0	6	.02	.00
2	981.19	1,304.7	-0.7	769	1,085	0	0	28	.10	.00
3	981.34	1,305.9	+1.3	677	14	0	0	17	.06	.00
4	981.49	1,307.2	+1.3	690	26	0	0	19	.07	.00
5	981.62	1,308.3	+1.1	615	48	0	0	8	.03	.00
6	981.55	1,307.7	-0.6	736	1,015	0	0	22	.08	.00
7	981.68	1,308.8	+1.1	615	48	0	0	8	.03	.00
8	981.82	1,310.0	+1.2	664	48	0	0	14	.05	.00
9	981.96	1,311.2	+1.2	783	151	0	0	30	.11	.00
10	981.90	1,310.7	-0.5	791	1,041	0	0	8	.03	.06
11	982.07	1,312.2	+1.5	781	48	0	0	0	.00	.00
12	982.01	1,311.7	-0.5	700	948	0	0	11	.04	.00
13	982.26	1,313.8	+2.1	1,142	48	0	0	14	.05	.25
14	982.61	1,316.8	+3.0	1,560	48	0	0	0	.00	1.00
15	982.93	1,319.5	+2.7	1,444	48	0	0	14	.05	1.17
16	983.71	1,326.2	+6.7	3,514	48	0	0	84	.30	1.71
17	984.22	1,330.6	+4.4	2,264	48	0	0	0	.00	1.04
18	984.48	1,332.9	+2.2	1,191	48	0	0	11	.04	.10
19	984.83	1,335.9	+3.0	1,572	48	0	0	0	.00	.00
20	985.00	1,337.4	+1.5	1,257	513	0	0	3	.01	.80
21	985.28	1,339.8	+2.4	1,275	48	0	0	3	.01	.35
22	985.47	1,341.5	+1.6	879	48	0	0	0	.00	.00
23	985.66	1,343.1	+1.6	901	48	0	0	22	.08	.00
24	985.83	1,344.6	+1.5	817	73	0	0	0	.00	.00
25	985.99	1,346.0	+1.4	764	48	0	0	17	.06	.00
26	986.19	1,347.7	+1.7	943	48	0	0	17	.06	.00
27	986.23	1,348.1	+0.3	1,133	952	0	0	6	.02	.05
28	986.47	1,350.1	+2.1	1,108	48	0	0	6	.02	.01
29	986.83	1,353.3	+3.1	1,640	48	0	0	11	.04	1.20
30	987.07	1,355.4	+2.1	1,109	48	0	0	6	.02	.05
31	987.40	1,358.3	+2.9	1,513	48	0	0	11	.04	.65
TOTALS			+53.8	34,426	6,792	0	0	396	1.42	8.44
ACRE-FEET			+53,800	68,284	13,472	0	0	785		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	13,472	OUTLET	0
SPILL	0	TOTAL	13,472
		THIS MONTH =	8.44
		JULY 1, 2002 TO DATE =	12.52

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

DECEMBER 2002

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET	CHANGE		RES.	RELEASE	OUTLET	SPILL
		539						
1	360.00	537	-2	300	0	279	3	0
2	360.00	537	+0	292	0	266	3	0
3	360.00	537	+0	293	0	269	3	0
4	360.00	537	+0	292	0	272	3	0
5	360.00	537	+0	294	0	272	3	0
6	360.00	537	+0	295	0	275	4	0
7	360.00	537	+0	295	0	273	4	0
8	360.00	537	+0	296	0	274	4	0
9	360.00	537	+0	294	0	273	3	0
10	360.00	537	+0	294	0	270	3	0
11	360.00	537	+0	293	0	269	3	0
12	360.03	539	+2	285	0	271	3	0
13	360.00	537	-2	290	0	272	3	0
14	360.00	537	+0	287	0	272	3	0
15	360.00	537	+0	289	0	275	3	0
16	360.00	537	+0	280	0	268	4	0
17	360.00	537	+0	281	0	270	5	0
18	360.00	537	+0	290	0	268	6	0
19	360.00	537	+0	269	0	264	5	0
20	360.00	537	+0	266	0	266	4	0
21	360.00	537	+0	267	0	268	3	0
22	360.03	539	+2	268	0	267	4	0
23	360.03	539	+0	270	0	270	3	0
24	360.03	539	+0	270	0	269	3	0
25	360.03	539	+0	270	0	269	3	0
26	360.03	539	+0	269	0	269	3	0
27	360.05	541	+2	269	0	269	4	0
28	360.05	541	+0	268	0	268	3	0
29	360.03	539	-2	265	0	267	3	0
30	360.05	541	+2	69	0	269	3	0
31	360.05	541	+0	272	0	275	3	0
TOTALS			+2	8,532	0	8,378	107	0
ACRE-FEET			+2	16,923	0	16,618	212	0

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	212	OUTLET	0
SOUTH MAIN CANAL	0	SPILL	16,618
		TOTAL	16,830

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

DECEMBER 2002

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		
		252.3								
1	512.29	253.6	+1.3	788	0	0	0	115	4	.04
2	512.75	255.1	+1.5	869	0	0	0	115	2	.02
3	513.23	256.7	+1.6	911	0	0	0	115	8	.08
4	513.71	258.3	+1.6	909	0	0	0	115	3	.03
5	514.20	259.9	+1.6	934	0	0	0	115	9	.08
6	514.87	262.1	+2.2	1,231	0	0	0	116	2	.02
7	515.43	263.9	+1.9	1,065	0	0	0	116	13	.12
8	515.98	265.8	+1.8	1,047	0	0	0	116	10	.09
9	516.44	267.3	+1.5	893	0	0	0	116	2	.02
10	516.87	268.7	+1.4	846	0	0	0	116	5	.05
11	517.36	270.4	+1.6	951	0	0	0	116	4	.04
12	517.82	271.9	+1.6	907	0	0	0	117	8	.07
13	518.37	273.8	+1.9	1,061	0	0	0	117	4	.04
14	519.01	276.0	+2.2	1,221	0	0	0	117	7	.06
15	519.69	278.3	+2.3	1,306	0	0	0	118	14	.13
16	520.62	281.5	+3.2	1,837	0	99	0	118	10	.09
17	521.50	284.5	+3.0	1,830	0	90	0	118	89	.79
18	522.02	286.3	+1.8	1,037	0	0	0	111	17	.15
19	522.54	288.2	+1.8	1,018	0	0	0	100	2	.02
20	523.03	289.9	+1.7	1,123	0	153	0	101	6	.05
21	523.59	291.8	+2.0	1,188	0	81	0	101	13	.11
22	524.16	293.8	+2.0	1,119	0	0	0	101	5	.04
23	524.78	296.0	+2.2	1,315	0	103	0	101	3	.03
24	525.11	297.2	+1.2	946	0	247	0	101	7	.06
25	525.49	298.6	+1.4	1,034	0	248	0	101	1	.01
26	525.79	299.6	+1.1	726	0	83	0	101	2	.02
27	526.21	301.2	+1.5	870	0	0	0	101	10	.09
28	526.70	302.9	+1.8	1,002	0	0	0	101	12	.10
29	527.06	304.2	+1.3	755	0	0	0	101	1	.01
30	527.49	305.8	+1.6	1,071	0	168	0	102	16	.14
31	527.79	306.9	+1.1	914	0	253	0	102	11	.09
TOTALS			+54.5	32,724	0	1,525	0	3,401	300	2.69
ACRE-FEET			+54,543	64,908	0	3,025	0	6,746	595	2.93

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS			
FRIANT-KERN	3,025	RIVER	
MADERA	0	AT FRIANT	6,746
		TOTAL RELEASES	9,771
		THIS MONTH =	2.93
		JULY 1, 2002 TO DATE =	4.87

Table 16

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

December 2002

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	SRTP	Yolo + Misc	East Side Streams	S. Joaquin River@Vernalis	7-day Average	Monthly Average	Total Delta Inflow		Clifton Court	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOl daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
	-prev day-	-prev wk-	-prev day-	-prev day-	-prev day-					(CLT)	(TRA)	(CCC)	(BBID)		Exports	TRA & CLT	daily	Avg	Avg	(%)	(%)	(%)
1-Dec-02	9,879	153	0	306	1,409	1,430	1,402	11,747	2,000	1,496	4,292	58	0	59	5,906	6,103	3,841	3,818	3,841	49.3%	51.2%	48.0%
2-Dec-02	10,050	152	0	306	1,402	1,417	1,400	11,910	2,000	1,993	4,286	67	0	66	6,411	6,115	3,499	3,750	3,670	52.7%	51.6%	48.8%
3-Dec-02	10,230	152	0	306	1,397	1,408	1,397	12,085	2,000	1,990	4,284	75	0	74	6,422	6,114	3,663	3,715	3,668	51.9%	51.3%	49.3%
4-Dec-02	10,401	152	0	306	1,391	1,402	1,394	12,250	2,050	1,994	4,284	70	0	74	6,422	6,277	3,778	3,709	3,695	51.3%	52.0%	51.1%
5-Dec-02	10,549	152	0	308	1,385	1,397	1,391	12,394	2,100	1,997	3,664	73	0	71	5,805	6,071	4,489	3,807	3,854	45.7%	49.6%	49.6%
6-Dec-02	10,738	153	0	305	1,382	1,395	1,393	12,578	2,100	1,988	3,405	73	0	81	5,547	5,777	4,931	3,960	4,033	42.9%	46.6%	47.3%
7-Dec-02	10,869	153	0	300	1,401	1,394	1,394	12,723	2,150	1,977	2,904	70	0	83	5,035	5,312	5,538	4,248	4,248	38.4%	42.3%	43.3%
8-Dec-02	11,193	153	0	300	1,401	1,393	1,394	13,047	2,150	2,014	2,716	70	0	72	4,873	5,002	6,024	4,560	4,470	36.3%	39.1%	40.7%
9-Dec-02	11,457	153	0	301	1,393	1,395	1,396	13,304	2,150	1,970	2,719	78	0	64	4,831	4,767	6,323	4,964	4,676	35.2%	36.6%	38.6%
10-Dec-02	11,426	153	0	309	1,410	1,399	1,398	13,298	2,200	1,993	2,729	80	0	47	4,849	4,714	6,249	5,333	4,833	35.5%	35.7%	38.0%
11-Dec-02	12,055	153	0	314	1,420	1,404	1,400	13,942	1,744	1,979	2,716	72	0	14	4,781	4,702	7,417	5,853	5,068	33.7%	34.8%	37.5%
12-Dec-02	12,017	153	0	309	1,422	1,415	1,405	13,901	1,744	1,980	2,716	74	0	0	4,770	4,704	7,387	6,267	5,262	33.8%	34.3%	37.2%
13-Dec-02	12,102	152	0	312	1,458	1,429	1,413	14,024	1,744	2,968	2,718	66	0	0	5,752	5,026	6,529	6,495	5,359	40.5%	36.0%	39.3%
14-Dec-02	12,057	152	0	349	1,502	1,460	1,427	14,060	-2,364	3,492	3,411	60	0	0	6,963	5,762	9,462	7,056	5,652	49.1%	41.2%	44.5%
15-Dec-02	14,539	152	5,918	424	1,612	1,502	1,445	22,645	-5,331	3,999	3,712	66	0	0	7,777	6,767	20,200	9,081	6,622	34.1%	40.0%	49.3%
16-Dec-02	19,770	152	1,797	690	1,693	1,552	1,464	24,102	-5,331	4,497	3,435	47	0	0	7,979	7,515	21,454	11,242	7,549	32.9%	37.1%	51.5%
17-Dec-02	34,656	152	11,591	1,139	1,760	1,652	1,503	49,298	-14,003	3,000	2,997	37	0	0	6,034	7,213	57,268	18,531	10,474	12.2%	22.5%	41.8%
18-Dec-02	46,348	152	426	1,318	2,117	1,807	1,559	50,361	-14,282	7,192	3,562	36	0	0	10,791	8,228	53,852	25,164	12,883	21.4%	19.9%	41.2%
19-Dec-02	48,465	152	0	819	2,508	1,949	1,606	51,944	-10,174	7,400	3,777	44	0	0	11,221	9,309	50,897	31,380	14,884	21.5%	18.4%	40.8%
20-Dec-02	53,160	152	0	651	2,451	2,115	1,658	56,414	-10,630	7,494	3,795	27	0	18	11,334	11,073	55,711	38,406	16,926	20.0%	20.9%	42.7%
21-Dec-02	52,370	152	2,706	734	2,662	2,296	1,717	58,624	-12,734	7,493	3,783	32	0	0	11,308	11,247	60,050	45,633	18,979	19.2%	20.2%	38.5%
22-Dec-02	48,889	152	2,806	781	2,883	2,475	1,773	55,511	-4,290	7,495	3,798	35	0	14	11,342	11,286	48,459	49,670	20,319	20.3%	19.9%	35.0%
23-Dec-02	48,931	152	0	629	2,946	2,625	1,818	52,658	-4,112	7,571	3,791	37	0	14	11,412	11,310	45,358	53,085	21,408	21.6%	20.3%	32.3%
24-Dec-02	51,185	161	0	518	2,810	2,705	1,853	54,674	-4,112	7,473	3,802	42	0	1	11,318	11,310	47,468	51,685	22,494	20.6%	20.8%	29.8%
25-Dec-02	50,682	171	0	468	2,675	2,711	1,881	53,996	-739	7,170	3,792	60	0	0	11,022	11,200	43,712	50,236	23,342	20.3%	20.8%	27.4%
26-Dec-02	44,675	180	0	442	2,549	2,704	1,901	47,846	1,772	7,521	3,794	48	0	0	11,363	11,184	34,711	47,924	23,780	23.6%	21.4%	25.8%
27-Dec-02	36,805	190	0	424	2,405	2,651	1,916	39,824	1,950	3,994	2,538	40	0	4	6,577	9,603	31,297	44,437	24,058	16.4%	20.3%	21.3%
28-Dec-02	31,789	199	0	413	2,287	2,554	1,926	34,688	1,950	4,000	2,039	54	0	0	6,094	7,962	26,644	39,664	24,150	17.4%	19.5%	17.1%
29-Dec-02	31,403	209	401	463	2,208	2,443	1,934	34,684	74	3,993	2,045	60	0	0	6,098	6,203	28,511	36,815	24,301	17.4%	17.0%	13.1%
30-Dec-02	39,805	218	1,084	1,225	2,170	2,352	1,942	44,502	-889	3,994	2,015	48	0	10	6,067	6,029	39,324	35,953	24,802	13.5%	15.9%	12.3%
31-Dec-02	48,806	212	96	915	2,171	2,282	1,950	52,200	-1,167	5,000	3,630	47	0	18	8,696	6,893	44,671	35,553	25,442	16.5%	15.7%	14.0%
Total	857,301	5,044	26,825	16,384	59,680	58,115	49,449	965,234	-58,280	129,118	103,153	1,745	0	782	234,798	230,780	788,716	691,994	384,743	945.2%	973.2%	1147.1%
Average	27,655	163	865	529	1,925	1,875	1,595	31,137	-1,880	4,165	3,328	56	0	25	7,574	7,445	25,442	22,322		30.5%	31.4%	37.0%

DECEMBER 2002 CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR DAILY OPERATIONS RUN DATE: January 23, 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	
		787,573									
1	431.11	791,176	+3,603	2,400	0	229	0	-354	6	.02	.00
2	431.07	790,807	-369	2,522	2,536	229	0	+57	21	.07	.00
3	431.14	791,454	+647	2,705	2,022	221	0	-136	21	.07	.00
4	431.37	793,582	+2,128	3,329	2,094	213	0	+51	15	.05	.00
5	431.52	794,971	+1,389	2,979	2,101	223	0	+45	12	.04	.00
6	431.62	795,898	+927	1,533	865	222	0	+22	12	.04	.00
7	431.36	793,490	-2,408	700	2,018	222	0	+326	3	.01	.01
8	431.48	794,601	+1,111	1,200	0	226	0	-413	9	.03	.00
9	431.44	794,230	-371	1,332	1,523	226	0	+229	15	.05	.00
10	431.21	792,101	-2,129	0	1,009	201	0	+137	12	.04	.04
11	431.25	792,472	+371	900	288	195	0	-229	24	.08	.00
12	431.32	793,119	+647	1,804	1,076	194	0	-208	15	.05	.00
13	431.60	795,712	+2,593	2,166	788	202	0	+132	6	.02	.00
14	432.03	799,700	+3,988	1,994	0	166	0	+182	27	.09	.09
15	433.45	812,917	+13,217	7,089	0	160	0	-266	54	.18	.35
16	434.22	820,115	+7,198	3,519	292	155	0	+558	39	.13	.71
17	435.06	827,992	+7,877	4,878	875	151	0	+120	36	.12	.32
18	437.26	848,743	+20,751	10,844	0	114	0	-268	34	.11	.11
19	438.88	864,135	+15,392	7,963	0	130	0	-73	18	.06	.00
20	440.58	880,387	+16,252	8,135	0	137	0	+196	22	.07	.52
21	442.38	897,706	+17,319	8,854	0	105	0	-17	6	.02	.35
22	444.59	919,125	+21,419	11,081	0	93	0	-190	28	.09	.00
23	445.91	931,999	+12,874	6,955	0	97	0	-368	0	.00	.00
24	447.28	945,425	+13,426	7,077	0	99	0	-209	35	.11	.00
25	449.12	963,557	+18,132	9,339	0	107	0	-90	3	.01	.00
26	450.31	975,345	+11,788	6,251	0	87	0	-221	3	.01	.01
27	451.50	987,180	+11,835	6,359	0	85	0	-308	6	.02	.00
28	452.18	993,965	+6,785	3,290	0	107	0	+238	0	.00	.00
29	452.62	998,363	+4,398	2,355	0	101	0	-37	32	.10	.20
30	452.80	1,000,164	+1,801	882	0	95	0	+120	26	.08	.00
31	453.79	1,010,089	+9,925	5,352	0	101	0	-247	13	.04	.25
TOTALS			+222,516	135,787	17,487	4,893	0	-1,221	553	1.81	2.96
ACRE-FEET			+222,516	269,334	34,685	9,705	0	-2,422	1,097		

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	34,685	SPILL	0
PACHECO TUNNEL	9,705	TOTAL	44,390
		THIS MONTH =	2.96
		JULY 1, 2002 TO DATE =	5.00

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

DECEMBER 2002

CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY
DAILY OPERATIONS

RUN DATE: March 12, 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		
		41,528									
1	218.58	39,523	-2,005	3,411	0	1,585	0	2,400	3,633		+27
2	220.02	43,204	+3,681	3,402	2,536	1,898	0	2,522	3,434		-24
3	220.70	44,975	+1,771	3,440	2,022	1,611	0	2,705	3,378		-98
4	220.82	45,289	+314	3,416	2,094	1,668	0	3,329	3,603		-87
5	220.96	45,656	+367	3,353	2,101	1,539	0	2,979	3,894		+65
6	220.70	44,975	-681	2,676	865	1,557	0	1,533	3,826		-83
7	221.76	47,756	+2,781	2,070	2,018	1,971	0	700	4,236		+279
8	220.30	43,931	-3,825	1,757	0	2,335	0	1,200	5,021		+200
9	220.23	43,749	-182	1,844	1,523	1,806	0	1,332	3,955		+23
10	220.86	45,394	+1,645	1,885	1,009	1,465	0	0	3,708		+178
11	221.05	45,892	+498	1,882	288	2,019	0	900	3,189		+150
12	221.00	45,760	-132	1,997	1,076	1,943	0	1,804	3,358		+80
13	221.31	46,574	+814	2,031	788	2,629	0	2,166	3,112		+240
14	222.07	48,571	+1,997	2,822	0	3,182	0	1,994	3,086		+84
15	218.90	40,330	-8,241	3,426	0	3,798	0	7,089	4,231		-58
16	220.02	43,204	+2,874	3,102	292	4,278	0	3,519	2,969		+265
17	221.06	45,918	+2,714	2,666	875	4,286	0	4,878	1,571		-10
18	220.09	43,386	-2,532	3,087	0	6,796	0	10,844	672		+356
19	221.64	47,441	+4,055	3,386	0	6,215	0	7,963	223		+630
20	222.62	50,033	+2,592	3,504	0	6,456	0	8,135	984		+465
21	222.00	48,385	-1,648	3,600	0	6,352	0	8,854	2,058		+130
22	219.20	41,093	-7,292	3,618	0	6,534	0	11,081	3,202		+455
23	220.50	44,453	+3,360	3,585	0	6,917	0	6,955	2,241		+389
24	221.78	47,809	+3,356	3,531	0	6,616	0	7,077	1,610		+232
25	219.90	42,893	-4,916	3,581	0	6,935	0	9,339	4,305		+649
26	221.45	46,941	+4,048	3,493	0	6,644	0	6,251	1,990		+145
27	220.68	44,923	-2,018	2,512	0	4,526	0	6,359	2,225		+529
28	219.87	42,815	-2,108	1,585	0	3,266	0	3,290	3,194		+570
29	219.08	40,788	-2,027	1,653	0	3,896	0	2,355	4,532		+317
30	220.43	44,270	+3,482	1,642	0	3,460	0	882	3,076		+612
31	220.03	43,230	-1,040	2,589	0	4,434	0	5,352	2,520		+427
TOTALS			+1,702	86,546	17,487	118,617	0	135,787	93,036		+7,137
ACRE-FEET			+1,702	171,664	34,685	235,277	0	269,334	184,537	202	14,156

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	184,537
SAN LUIS PUMP	269,334	DELIVERIES	202
		TOTAL	454,073

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

Table 19

DECEMBER 2002

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: January 23, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL PUMPING			O'NEILL GENERATION			SAN LUIS PUMPING			SAN LUIS GENERATION			PACHECO PUMP	DOS AMIGOS		
	STATE	FED	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL		FED	STATE	TOTAL
1	3,143	0	3,143	6,766	0	6,766	0	4,773	-13	4,760	0	0	0	454	1,389	5,818	7,207		
2	3,764	0	3,764	6,748	0	6,748	0	5,109	-107	5,002	0	5,030	5,030	454	1,397	5,415	6,812		
3	3,196	0	3,196	6,824	0	6,824	0	5,470	-105	5,365	0	4,010	4,010	438	1,408	5,292	6,700		
4	3,309	0	3,309	6,775	0	6,775	0	6,693	-89	6,604	0	4,154	4,154	423	1,401	5,746	7,147		
5	3,053	0	3,053	6,651	0	6,651	0	5,956	-48	5,908	0	4,167	4,167	442	1,447	6,277	7,724		
6	3,089	0	3,089	5,307	0	5,307	0	3,080	-39	3,041	0	1,716	1,716	441	1,451	6,137	7,588		
7	3,910	0	3,910	4,105	0	4,105	0	1,392	-4	1,388	0	4,003	4,003	440	1,430	6,972	8,402		
8	4,632	0	4,632	3,486	0	3,486	0	2,391	-11	2,380	0	0	0	449	1,384	8,576	9,960		
9	3,582	0	3,582	3,658	0	3,658	0	2,683	-40	2,643	0	3,020	3,020	448	1,412	6,433	7,845		
10	2,906	0	2,906	3,738	0	3,738	0	0	0	0	0	2,002	2,002	398	1,454	5,900	7,354		
11	4,005	0	4,005	3,733	0	3,733	0	1,808	-23	1,785	0	572	572	387	1,427	4,898	6,325		
12	3,853	0	3,853	3,962	0	3,962	0	3,461	118	3,579	0	2,135	2,135	385	1,431	5,230	6,661		
13	5,214	0	5,214	4,029	0	4,029	0	3,055	1,241	4,296	0	1,563	1,563	401	1,456	4,716	6,172		
14	6,311	0	6,311	5,597	0	5,597	0	2,147	1,809	3,956	0	0	0	329	1,422	4,700	6,122		
15	7,533	0	7,533	6,795	0	6,795	0	9,356	4,705	14,061	0	0	0	317	1,381	7,011	8,392		
16	8,486	0	8,486	6,153	0	6,153	0	4,894	2,085	6,979	0	579	579	308	1,387	4,503	5,890		
17	8,501	0	8,501	5,288	0	5,288	0	5,039	4,636	9,675	0	1,736	1,736	300	1,331	1,786	3,117		
18	13,480	0	13,480	6,123	0	6,123	0	5,437	16,072	21,509	0	0	0	227	1,315	18	1,333		
19	12,327	0	12,327	6,716	0	6,716	0	4,977	10,817	15,794	0	0	0	257	432	11	443		
20	12,805	0	12,805	6,951	0	6,951	0	4,974	11,161	16,135	0	0	0	271	1,364	587	1,951		
21	12,600	0	12,600	7,140	0	7,140	0	4,631	12,931	17,562	0	0	0	209	1,417	2,666	4,083		
22	12,960	0	12,960	7,176	0	7,176	0	6,955	15,024	21,979	0	0	0	184	1,401	4,951	6,352		
23	13,719	0	13,719	7,110	0	7,110	0	4,936	8,860	13,796	0	0	0	192	1,397	3,048	4,445		
24	13,123	0	13,123	7,003	0	7,003	0	4,937	9,101	14,038	0	0	0	197	1,333	1,860	3,193		
25	13,755	0	13,755	7,103	0	7,103	0	10,656	7,868	18,524	0	0	0	213	1,377	7,161	8,538		
26	13,179	0	13,179	6,929	0	6,929	0	4,789	7,610	12,399	0	0	0	172	1,338	2,610	3,948		
27	8,977	0	8,977	4,983	0	4,983	0	3,720	8,893	12,613	0	0	0	168	1,414	3,000	4,414		
28	6,478	0	6,478	3,144	0	3,144	0	1,704	4,821	6,525	0	0	0	212	1,407	4,929	6,336		
29	7,727	0	7,727	3,278	0	3,278	0	4,501	171	4,672	0	0	0	200	1,394	7,595	8,989		
30	6,863	0	6,863	3,257	0	3,257	0	1,694	56	1,750	0	0	0	188	1,405	4,696	6,101		
31	8,794	0	8,794	5,136	0	5,136	0	1,725	8,890	10,615	0	0	0	200	1,395	3,604	4,999		
TOTAL	235,274	0	235,274	171,664	0	171,664	0	269,333	34,687	304,020	0	34,687	34,687	9,704	TOTAL	184,543	42,397	142,146	
FEDERAL	0	0	0	171,664	0	171,664	0	132,943	0	132,943	0	0	0	0	FEDERAL	42,397	0	42,397	
STATE	235,274	0	235,274	0	0	0	0	136,390	34,687	171,077	0	34,687	34,687	9,704	STATE	142,146	0	142,146	
															XVC	0	0	0	

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

DECEMBER 2002

FEDERAL-STATE OPERATIONS

RUN DATE: January 23, 2003

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE			AQEDUCT CHECK 21 STATE	CHECK 21 FED	CHECK 21 TOTAL	DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	BETHANY TOTAL	DOS XVC				
1	8,514	0	8,514	2,968	3,248	0	3,248	0	0	0	6,789	0	6,789	1,748	
2	8,502	0	8,502	3,953	3,845	0	3,845	0	0	0	5,404	0	5,404	1,754	
3	8,497	0	8,497	3,947	3,818	0	3,818	0	0	0	5,545	0	5,545	1,673	
4	8,498	0	8,498	3,956	3,677	0	3,677	0	0	0	6,022	0	6,022	1,723	
5	7,268	0	7,268	3,961	3,660	0	3,660	0	0	0	6,207	0	6,207	617	
6	6,753	0	6,753	3,943	3,663	0	3,663	0	0	0	6,197	0	6,197	1,446	
7	5,761	0	5,761	3,922	3,599	0	3,599	0	0	0	6,702	0	6,702	1,656	
8	5,388	0	5,388	3,995	4,426	0	4,426	0	0	0	9,092	0	9,092	1,902	
9	5,393	0	5,393	3,908	3,886	0	3,886	0	0	0	5,617	0	5,617	1,735	
10	5,413	0	5,413	3,953	3,738	0	3,738	0	0	0	6,093	0	6,093	1,675	
11	5,387	0	5,387	3,925	3,731	0	3,731	0	0	0	4,818	0	4,818	1,654	
12	5,388	0	5,388	3,927	3,734	0	3,734	0	0	0	4,696	0	4,696	1,426	
13	5,391	0	5,391	5,888	5,758	0	5,758	0	0	0	4,853	0	4,853	1,362	
14	6,766	0	6,766	6,926	6,496	0	6,496	0	0	0	5,695	0	5,695	1,169	
15	7,362	0	7,362	7,933	8,643	0	8,643	0	0	0	7,173	0	7,173	567	
16	6,814	0	6,814	8,919	8,747	0	8,747	0	0	0	5,042	0	5,042	661	
17	5,945	0	5,945	5,950	8,143	0	8,143	0	0	0	1,874	0	1,874	657	
18	7,066	0	7,066	14,266	14,116	0	14,116	0	0	0	718	0	718	943	
19	7,491	0	7,491	14,677	14,011	0	14,011	0	0	0	46	0	46	775	
20	7,528	0	7,528	14,864	14,003	0	14,003	0	0	0	2,193	0	2,193	577	
21	7,504	0	7,504	14,863	13,959	0	13,959	0	0	0	3,494	0	3,494	364	
22	7,533	0	7,533	14,866	14,414	0	14,414	0	0	0	5,338	0	5,338	357	
23	7,519	0	7,519	15,017	14,694	0	14,694	0	0	0	4,736	0	4,736	409	
24	7,542	0	7,542	14,823	14,263	0	14,263	0	0	0	4,009	0	4,009	539	
25	7,522	0	7,522	14,221	14,932	0	14,932	0	0	0	8,274	0	8,274	419	
26	7,526	0	7,526	14,917	14,594	0	14,594	0	0	0	4,056	0	4,056	597	
27	5,035	0	5,035	7,922	8,934	0	8,934	0	0	0	4,825	0	4,825	52	
28	4,045	0	4,045	7,934	7,869	0	7,869	0	0	0	6,306	0	6,306	901	
29	4,056	0	4,056	7,920	7,985	0	7,985	0	0	0	8,507	0	8,507	778	
30	3,996	0	3,996	7,923	8,009	0	8,009	0	0	0	5,959	0	5,959	739	
31	7,201	0	7,201	9,918	9,746	0	9,746	0	0	0	4,739	0	4,739	2,065	
TOTALS	204,604	0	204,604	256,105	254,341	0	254,341	0	0	0	161,019	0	161,019	32,940	

COMMENTS: ALL VALUES IN ACRE-FEET

- TOTAL TRACY: 12/05/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/06/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/07/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/08/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/09/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/10/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/11/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/11/02 - 497 af of EWA Water is included in the 5,387 af Pumped at Tracy.
- TOTAL TRACY: 12/12/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/13/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/14/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/15/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/16/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/17/02 - Decrease in pumping due to poor Water Quality.
- TOTAL TRACY: 12/18/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/19/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/20/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/21/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/22/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/23/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/24/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/25/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/26/02 - Decreased due to O'Neill constraint.
- TOTAL TRACY: 12/27/02 - Decrease for fish actions.

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

Table 20

DECEMBER 2002

FEDERAL-STATE OPERATIONS

RUN DATE: January 23, 2003

TOTAL TRACY: 12/28/02 - Decrease for fish actions.
TOTAL TRACY: 12/29/02 - Decrease for fish actions.
TOTAL TRACY: 12/30/02 - Decrease for fish actions.
TOTAL TRACY: 12/31/02 - Increased pumping at 0659 (No more fish action).
EWA Summary: Jul 43,824af, Aug 21,699 af, Sep 258 af,
Oct 0, Nov 0, and Dec 497 af.
Total EWA Water pumped Jul 2002 thru Dec 2002 equals 66,278 af.

Table 21

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

**Central Valley Project - California
2002**

Monthly Diversions in AF

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CANALS													
Contra Costa	13049	9404	9967	14486	6768	24424	20276	5951	4683	4259	4197	3461	120925
Delta-Mendota	254400	199820	256707	127398	52580	150595	267309	266195	254147	250896	218052	204604	2502703
Actual Fed Dos Amigos	40075	84854	72021	88937	110301	180906	198922	113099	37304	45702	30043	NA	1002164
Madera	0	0	0	3783	27261	11145	63589	42905	12647	0	0	0	161330
Friant-Kern	11328	30796	29060	48191	87351	167312	169986	122791	67017	47465	5472	3025	789794
Corning	0	0	422	1745	2588	3632	3917	3578	2900	1827	315	0	20924
Folsom-South	1553	1553	1805	2289	2307	36181	2656	2594	2626	2684	2442	1892	60582
Sly Park - Camino Conduit	1097	908	774	1359	2204	2856	3685	3858	3598	2602	1386	1174	25501
Tehama-Colusa	0	1636	13446	19095	36871	59013	55502	37425	18078	10868	1283	0	253217
CACHUMA PROJECT													
Tecolote Tunnel	1872	2225	2761	2875	3681	3397	3685	3597	2827	2467	2164	1715	33266
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0	320	28420	27150	50840	55800	52190	17470	11860	0	0	244050
Klamath Drainage District	25120	7580	604	11250	10002	11680	14700	15130	8820	7560	13220	18798	144464
Clear Lake Reservoir	0	0	0	140	5730	7340	21110	9470	6300	0	0	0	50090
Gerber Reservoir	0	0	0	800	6400	8060	9180	8170	6990	0	0	0	39600
Klamath River to Lost River	0	0	0	6300	5000	21900	10450	3790	0	0	0	0	47440
ORLAND PROJECT													
Stony Creek	0	0	2432	15731	14641	18250	20608	18240	14529	9489	333	0	114253
South Canal	0	0	1682	10122	9526	12121	13892	12298	9388	6278	206	0	75513
North Canal	0	0	750	5609	5115	6129	6716	5942	5141	3211	127	0	38740
SOLANO PROJECT													
Putah South Canal	3319	2906	3669	17629	28007	36181	37450	31387	23078	11879	2571	3219	201295

Table 22

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

Friant-Kern Canal

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	0	0	0	0	0	0	0	0
Arvin-Edison WSD	2900	3616	133	2414	9625	3720	2546	1289	7523	6856	4374	0	44996
Atwell Island WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Delano-Earlimart ID	81	2459	8577	11882	16712	25850	26201	17597	10110	6672	1822	0	127963
Exeter ID	22	34	53	701	971	1845	2674	2742	2146	1284	198	0	12670
City of Fresno	0	0	14	45	1652	24021	17203	17065	595	101	0	0	60696
County of Fresno SA #34	5	3	13	25	56	74	101	93	54	38	12	0	474
Fresno ID	11	131	0	0	0	200	0	5800	0	0	0	0	6142
Garfield WD	0	0	7	351	375	578	542	421	322	289	42	0	2927
Hills Valley ID	22	0	14	317	520	779	973	852	755	502	99	0	4833
International WD	0	108	0	116	162	212	289	261	208	176	0	0	1532
Ivanhoe ID	0	0	0	95	450	930	1406	1386	2229	1652	184	0	8332
Kaweah Delta WCD	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern County Water Agency	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD	162	355	1330	2534	3864	4923	3744	3461	3380	2673	937	448	27811
Lewis Creek WD	0	0	0	0	0	12	27	41	24	16	0	0	120
Lindmore ID	0	0	227	1450	3929	6196	8303	8162	5795	3395	459	0	37916
City of Lindsay	122	102	142	193	259	268	323	313	264	198	47	0	2231
Lindsay-Strathmore ID	0		373	2525	542	3508	4254	4103	3310	2305	442	92	21454
Lower Tule River ID	824	396	0	0	13499	23213	26538	15405	0	0	0	0	79875
North-Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Orange Cove	87	88	104	108	153	183	201	189	178	138	93	66	1588
Orange Cove ID	298	38	112	1811	3321	4758	6065	6027	4437	3047	396	0	30310
Pixley ID	0	0	0	0	0	5151	8006	0	0	0	0	0	13157
Porterville ID	0	0	670	1000	2068	2702	3338	2492	935	455	0	0	13660
Rag Gulch WD	9	196	431	1013	1478	2195	1362	900	1364	674	171	55	9848
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Saucelito ID	11	259	1883	2143	2649	4379	5221	4459	2640	1879	1211	0	26734
Semitropic WSD	0	0	0	0	0	0	0	0	573	0	0	0	573
Shafter Wasco ID	1465	6869	2969	4791	5344	8286	8667	5687	3387	2821	639	0	50925
Southern San Joaquin MUD	401	6254	7790	10291	12151	17940	19294	13285	8643	6274	1193	0	103516
Smallwood Vineyards	0	0	0	84	98	93	127	68	0	0	0	0	470
Stone Corral ID	70	6	68	823	977	1373	1835	1626	1115	649	55	0	8597
Strathmore PUD	30	24	29	41	51	67	75	72	57	45	38	2	531
Styro Tek, Inc.	0	1	1	1	2	2	0	0	0	0	0	0	7
Tea Pot Dome WD	0	48	0	358	765	1078	1233	1178	882	671	100	0	6313
Terra Bella ID	153	76	83	1414	2346	3175	3901	3773	2946	1975	340	0	20182
Tri-Valley WD	0	0	0	0	55	222	319	420	280	208	15	0	1519
Tulare ID	0	5045	0	0	0	17598	12357	5026	573	1570	0	0	42169
Total	6673	26108	25023	46526	84074	165531	167125	124193	64725	46563	12867	663	770071

* 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
2002**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MADERA CANAL													
Chowchilla WD	0	0	0	0	0	16584	29774	21755	0	0	0	0	68113
Madera ID	0	0	0	1761	25557	25111	32083	13718	13452	0	0	0	111682
Soquel	0	0	0	0	0	0	0	8549	0	0	0	0	8549
Total	0	0	0	1761	25557	41695	61857	44022	13452	0	0	0	188344
MILLERTON LAKE													
County of Madera	2	2	3	4	5	6	8	9	7	6	3	2	57
Fresno County # 18	5	5	7	12	18	19	6	24	16	15	8	7	142
Gravelly Ford WD	0	0	584	991	1834	878	1498	1140	1151	741	0	0	8817
Total	7	7	594	1007	1857	903	1512	1173	1174	762	11	9	9016

* 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
2002**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Fresno Slough WD	0	435	148	172	318	447	562	307	12	107	24	0	2532
Hughes, Melvin	0	26	0	0	0	33	25	12	0	0	0	0	96
James ID	0	1656	424	620	1182	7468	10447	9053	2231	731	141	0	33953
Laguna WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Dudley & Indart	115	603	275	357	440	524	439	446	11	0	0	0	3210
Mid-Valley WD (no contract)	0	0	0	0	0	0	0	2	0	0	0	0	2
Reclamation 1606	0	0	74	107	99	111	66	55	0	52	0	0	564
Terra Linda (Goodman)	83	1093	631	502	752	1554	1823	1123	422	360	179	17	8539
Tranquility ID	0	4527	1474	1108	1500	7565	6676	3837	251	126	46	0	27110
Wilson, JW (no contract)	0	78	118	0	0	176	216	205	0	0	0	0	793
Total	198	8418	3144	2866	4291	17878	20254	15040	2927	1376	390	17	76799
Exchange Contractors													
Central California ID	394	24818	33909	27895	45403	71333	72020	64517	26035	22768	6707	52	395851
Columbia Canal Co	0	3604	5613	5909	6185	10150	11078	9261	3886	2045	0	224	57955
Firebaugh Canal Co	952	2725	1548	3389	3700	4713	3950	3009	1533	843	700	313	27375
San Luis Canal Co	0	4287	13013	10968	12595	29580	31330	24816	8975	1978	885	398	138825
Total	1346	35434	54083	48161	67883	115776	118378	101603	40429	27634	8292	987	620006
Refuges													
Grassland WD - 76.05L CCID #1-07-20-W1754	4836	10892	0	4938	0	6321	19038	9835	27259	100031	21476	22607	227233
US F&WS - Kesterson #00-WC-20-1647	0	11952	411	2320	3305	0	0	847	0	8590	5978	5704	39107
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	808	690	0	0	89	280	60	1096	3865	5163	4656	1569	18276
State F&G - Water Fowl Dist #1-07-20-W19756 (Revised)	1103	4099	647	540	1044	2026	1513	1609	6840	10978	5421	2007	37827
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	234	712	269	340	525	949	831	678	514	1275	780	303	7410
Total	6981	28345	1327	8138	4963	9576	21442	14065	38478	126037	38311	32190	329853

CCID delivery revised for December

Table 25

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

Monthly Deliveries in AF

Delta-Mendota Canal
2002

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	699	58	66	530	1248	66	0	0	4	0	2671
Broadview WD	428	1829	919	639	961	3016	2765	1375	190	0	0	0	12122
CCID (Abv CK 13)	61	641	1389	1568	2273	2499	2349	2470	1412	740	40	141	15583
CCID (Blw CK 13)	309	1100	7885	6806	22443	17579	19402	19393	75	0	2491	92	97575
Centinella WD	0	0	0	0	0	0	0	0	0	0	0	0	0
China Island (76.05)	0	0	513	400	0	1086	650	369	0	0		0	3018
Del Puerto WD	56	1910	3106	9954	9960	15287	15864	11340	6135	5262	747	115	79736
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0	0	0	0	0	0	0
Eagle Field WD	0	548	0	1	164	220	338	161	1	1	1	0	1435
Firebaugh Canal	192	2050	1701	1354	1679	8303	10320	7182	169	0	392	351	33693
Frietas Unit (76.05L)	0	0	720	845	355	382	254	0	0	50	0	0	2606
Mercy Springs WD	1	123	63	88	53	212	246	220	43	344	31	11	1435
Oro Loma WD	0	113	30	0	39	131	178	119	0	0	0	0	610
Panoche WD - Ag	51	341	344	372	636	1311	1741	1040	166	59	2	7	6070
Panoche WD - M&I	2	3	2	3	2	3	2	3	2	3	2	3	30
Patterson WD	0	0	55	313	911	874	1296	1085	805	448	4	0	5791
Plainview WD	0	13	30	482	474	632	654	643	374	271	27	18	3618
Salt Slough Unit (76.05L)	0	0	515	900	946	1154	977	783	0	0	0	0	5275
San Luis WD - Ag	355	1098	538	850	1022	2010	2244	1335	381	318	128	175	10454
San Luis WD - M&I	1	1	5	19	23	24	11	20	23	10	1	1	139
Tracy, City of	0	0	407	562	775	877	1042	1065	850	914	727	476	7695
West Side ID	6	0	0	0	112	270	430	252	0	0	0	0	1070
Widren	0	0	0	0	0	0	0	0	0	0	0	0	0
W. Stanislaus ID	0	984	2366	3913	3856	7458	9733	4428	2010	1588	542	0	36878
F&G - Los Banos Ref. 76.05L	0	0	1090	301	826	1064	969	1000	0	0	0	0	5250
Volta Wildlife Mgmt Area	0	113	0	521	50	466	450	841	1639	1909	343	17	6349
Grasslands -76.05L	4820	7408	0	1508	0	2906	6362	3981	15947	11961	0	2717	57610
Grasslands - Volta	402	427	0	1848	1163	2107	937	2024	6314	13128	1412	861	30623
F&S (Volta) Santa Fee Kest.	0	0	0	0	661	178	182	175	745	1282	677	0	3900
F&S - Kesterson 76.05L	0	0	0	504	0	0	0	0	0	0	0	0	504
Total DMC Deliveries	6684	18702	22377	33809	49450	70579	80644	61370	37281	38288	7571	4985	431740
Oneill Net Pumped	225493	93737	153351	22779	(92264)	(68180)	13457	65449	114244	120428	165184	171664	985342
DMC plus Oneill	232177	112439	175728	56588	(42814)	2399	94101	126819	151525	158716	172755	176649	1417082

* Data supplied by San Luis Delta-Mendota Water Authority

Table 26

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

**San Luis and Cross Valley Canals
2002**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SAN LUIS CANAL													
City of Avenal	212	141	174	209	256	256	278	277	218	270	85	279	2655
Broadview WD	1	1	0	2	2	3	4	3	4	4	2	0	26
City of Coalinga	280	241	234	472	434	586	591	638	460	748	384	325	5393
City of Dos Palos	66	65	84	118	149	171	185	166	119	146	79	73	1421
City of Huron	43	46	47	124	109	122	131	121	83	106	71	50	1053
Pacheco WD	1	1	50	326	2	1274	2750	1276	443	90	10	44	6267
Pacheco CCID Non-project (Hamburg)	327	707	944	719	2003	923	0	0	0	0	0	0	5623
Panoche WD	2602	4828	3684	3144	5159	9967	13562	7286	927	825	1196	935	54115
San Luis WD	1066	5700	5801	5111	7152	11711	14240	7326	2000	2863	1342	321	64633
Westlands WD (Federal)	35134	74079	63941	75647	103758	167006	167011	104479	29857	40036	24879	29351	915178
Phase I (Non-chargeable)	0	8	0	0	0	0	0	0	3	0	22	10	43
Fish & Game (Lateral 4)	1	1	1	1	1	1	1	1	1	1	1	1	12
Fish & Game (Lateral 6)	51	0	0	0	0	0	0	0	0	0	0	0	51
Total	39784	85818	74960	85873	119025	192020	198753	121573	34115	45089	27986	31389	1056385
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	76	63	84	45	51	74	101	68	76	105	64	57	864
San Luis WD Ag	117	620	698	689	1233	1682	2112	1349	652	512	174	112	9950
San Luis M&I	28	22	32	44	53	62	70	69	48	57	30	33	548
VA Cemetary	2	2	3	7	6	7	10	8	6	9	4	3	67
Total	223	707	817	785	1343	1825	2293	1494	782	683	272	205	11429
CROSS VALLEY CANAL													
Arvin Edison WSD	0	0	0	0	0	0	8317	0	2719	4482	0	0	15518
Kern-Tulare	0	0	0	0	0	0	0	28582	10864	529	0	0	39975
Pixley ID	0	0	0	0	0	0	13763	26669	0	0	0	0	40432
Rag Gulch	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	22080	55251	13583	5011	0	0	95925
SAN FELIPE DIVISION													
Santa Clara	8720	9306	9620	12225	13875	10587	11585	11903	10860	15097	10957	9611	134346
San Benito	323	1360	285	1650	2401	3733	3742	3368	3948	2542	958	93	24403
Total	9043	10666	9905	13875	16276	14320	15327	15271	14808	17639	11915	9704	158749

* 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
 2002**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Colusa County WD	77	239	3054	6137	7230	10897	10895	7900	5255	3778	552	106	56120
Cortina WD	0	0	93	83	102	153	164	93	49	85	0	0	822
Davis WD	0	56	261	208	259	569	293	194	13	0	0	0	1853
Dunnigan WD	7	58	345	1595	2002	2948	3230	2334	1443	392	48	9	14411
4-M Water District	0	1	113	242	157	566	505	412	219	120	0	0	2335
GCID	0	0	2547	3237	3895	4700	4521	2988	1205	879	194	0	24166
Glenn Valley WD	0	13	39	73	207	111	110	171	35	0	0	0	759
Glide WD	0	0	161	1429	3265	3514	3234	2604	471	234	39	7	14958
Holthouse WD	0	0	53	99	287	329	350	254	162	88	18	0	1640
Kanawha WD	0	9	1438	4887	4157	7515	7068	4424	1745	304	76	3	31626
Kirkwood WD	0	0	0	85	119	209	219	235	123	46	0	0	1036
La Grande WD	0	0	22	1011	813	1436	1129	789	183	102	21	0	5506
Myers-Marsh MWC	0	0	0	20	36	20	45	0	0	0	0	0	121
Orland-Artois WD	45	120	1859	6375	9707	13843	13968	9458	6090	2694	256	52	64467
Westside WD	2	296	2187	4210	6693	9826	6705	4299	1811	939	34	3	37005
Total	131	792	12172	29691	38929	56636	52436	36155	18804	9661	1238	180	256825

Table 28

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

Monthly Deliveries in AF

Sacramento River
2002

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A&F Boeger Corp & Thunder Farms	0	0	0	0	362	559	588	419	0	0	0	0	1928
Anderson Cottonwood ID	0	0	0	6829	18955	19427	21483	20813	18382	7448	0	0	113337
Andreotti, Arthur, et al	0	0	0	321	483	622	648	559	80	0	0	0	2713
Baber, Jack, et	0	0	0	0	105	252	492	118	0	0	0	0	967
A&R Farms (Odysseus)	0	0	0	1	15	45	92	24	4	0	0	0	181
Cannel, Fred	0	0	0	154	320	181	33	38	170	0	0	0	896
Carter, Jane	0	0	0	0	0	227	295	185	0	124	0	0	831
Colusa Prop. Inc	0	0	0	0	0	354	143	37	0	70	0	0	604
Conaway Conservancy Group	0	0	0	1304	9545	10043	6675	5401	700	4493	0	0	38161
Davis, Olive P, et al	0	0	0	3559	5144	6816	7439	4512	83	0	0	0	27553
Deseret Farms of Calif	0	0	0	58	168	258	222	83	0	0	0	0	789
Dommer, Elizabeth	0	0	0	0	2	2	2	0	2	0	0	0	8
Forry, David G, et al	0	0	0	133	196	358	386	322	120	0	0	0	1515
Forster, Rosemary	0	0	0	45	624	759	831	638	534	0	0	0	3431
Furlan Joint Venture (Area #1)	0	0	0	32	121	78	93	2	0	0	0	0	326
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Glenn-Colusa ID	0	0	0	103436	121302	154963	147354	112775	29529	61562	0	0	730921
Griffin, J, et al	0	0	0	142	498	623	681	303	92	0	0	0	2339
Henle Family Limited Partnership	0	0	0	0	0	56	29	0	0	0	0	0	85
Hershey Land Co	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatt, Glenn	0	0	0	0	252	220	248	81	0	0	0	0	801
Hollins, Mariette B	0	0	0	65	131	235	263	179	18	10	0	0	901
Howald Farms	0	0	0	124	239	311	331	270	2	0	0	0	1277
King, Barbara	0	0	0	0	3	2	2	0	0	0	0	0	7
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	87	68	0	0	0	0	0	0	155
Lockett, William P.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Cold Storage/J Micheli	0	0	0	441	1515	1606	180	232	0	0	0	0	3974
M&T Inc.	0	0	0	264	2405	1839	2028	2037	99	1437	0	0	10109
MCM Properties, Inc	0	0	0	0	59	79	78	22	0	0	0	0	238
Maxwell ID	0	0	0	1146	2410	1706	0	0	0	2648	0	0	7910
Meridan Farms WC	0	0	0	2224	5807	6618	7142	5490	629	299	0	0	28209
Natomas Central MWC	0	0	0	5104	19869	21247	21815	13026	6551	416	0	0	88028
O'Brien, Janice	0	0	0	229	4	111	181	130	3	0	0	0	658
Oji Bros. Farms Inc	0	0	0	52	576	867	581	332	0	0	0	0	2408
Oji, Mitsue Family PTN	0	0	0	134	689	1207	381	409	0	0	0	0	2820
Pelger Mutual WC	0	0	0	541	1444	1559	1195	709	0	825	0	0	6273
Pleasant Grove-Verona MWC	0	0	0	799	3576	4143	4278	3418	163	538	0	0	16915
Princeton, -Codora-Glenn ID	0	0	0	7678	10605	12648	13747	10136	2831	5084	0	0	62729
Provident Irrigation District	0	0	0	8233	6130	12635	11465	3315	38	3554	0	0	45370
Reclamation Dist #108	0	0	0	14747	35339	40296	38707	20626	3721	9883	0	0	163319
Reclamation Dist #1004	0	0	0	5502	11856	14845	15104	9213	3555	13930	0	0	74005
Reynen, John, et al	0	0	0	378	1398	1643	1627	866	1	261	0	0	6174
River Garden Farms	0	0	0	146	3649	6097	5684	4180	1382	555	0	0	21693
Roberts Ditch Irrigation Co	0	0	0	408	558	783	981	737	128	54	0	0	3649
Sartain Mutual WC	0	0	0	38	446	354	404	227	0	196	0	0	1665
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	23	71	12	58	37	33	49	0	0	283
Spence, Ruth Ann	0	0	0	0	0	0	0	0	0	0	0	0	0
Sutter Mutual WC	0	0	0	15717	36609	40489	44184	35167	8039	1290	0	0	181495
Swinford Tract Irrigation Co	0	0	0	0	29	27	6	22	0	0	0	0	84
Tarke, James, et al	0	0	0	0	36	43	37	32	5	0	0	0	153
Tisdale Irrigation & Drain	0	0	0	502	1497	1522	1950	1620	364	0	0	0	7455
Wallace Construction, Inc.	0	0	0	143	0	545	217	0	0	0	0	0	905
Wells, Joyce M	0	0	0	70	141	311	349	238	23	0	0	0	1132
Wilson Ranch Partnership	0	0	0	0	0	0	0	0	0	0	0	0	0
Windswept Land & Livestock Co.	0	0	0	214	505	374	194	4	0	0	0	0	1291
Total	0	0	0	180936	305775	370065	360903	258984	77281	114726	0	0	1668670

* 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
2002**

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sacramento River												
Shasta computed inflow	14182	9254	9551	7866	5759	3700	3475	3431	3151	3048	3856	17993
At Keswick	6960	4148	5292	5526	9346	12756	14603	10909	7690	6959	5677	5611
At Bend Bridge	15587	8270	8142	7098	10050	12824	14353	10963	7851	7360	6737	16523
At Vina Bridge	19635	8871	8917	7130	9294	11741	13463	9839	6811	6525	6335	21501
At Ord Ferry	22050	7441	7746	3278	5637	7332	9060	6094	3727	2710	2696	20101
At Colusa	20772	10171	10148	6353	7493	8520	9828	8125	6555	5220	5386	16653
Below Wilkins Slough	18180	10576	10620	6094	6679	7268	8691	7568	6802	5402	5752	14726
At Verona	34138	14345	15958	9478	9145	10217	14700	14141	10928	7380	8925	24707
Sacramento at "I" Street	36687	15849	18823	13036	11394	12326	17439	15661	12209	8828	10481	26102
Miscellaneous Stations												
Folsom computed inflow	3901	3822	4936	4573	3998	2217	1245	1297	1295	958	1609	3304
American R at Nimbus Dam	1460	1503	2897	3640	2607	2665	3306	1944	1502	1508	1571	1672
Kings River at Pine Flat	95	602	1017	1618	3176	6039	5660	2036	268	148	106	91
San Joaquin River												
At Friant Dam	93	95	124	159	176	189	231	208	208	175	124	110
Near Vernalis	2920	2191	2411	2823	3032	1753	1597	1461	1468	1902	1975	2242
Putah Creek												
Berryessa computed inflow	1874	358	348	99	37	0	0	0	17	0	68	3819
Putah Creek - Lake Solano	45	16	34	47	43	43	43	34	20	20	40	155
Stanislaus River												
New Melones computed inflow	1062	779	1440	1804	1639	935	783	743	725	699	629	1111
At Tulloch Dam	319	499	902	2184	2251	1965	2077	1804	1415	624	316	275
At Orange Blossom	247	319	338	712	602	317	329	185	164	224	200	203

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