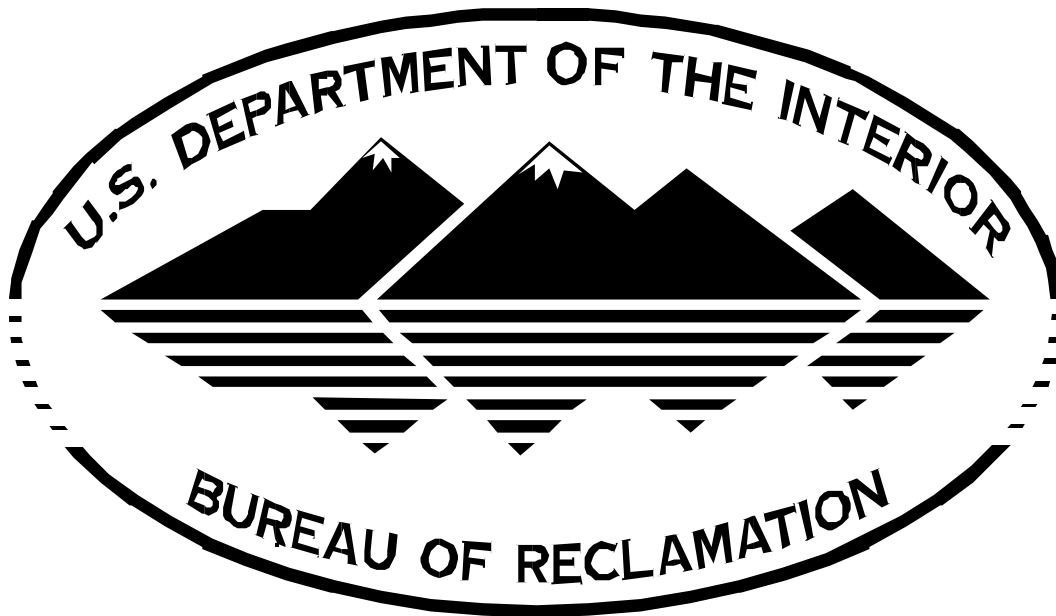


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION**

**CENTRAL VALLEY OPERATIONS OFFICE**

**REPORT OF OPERATIONS**



September 2002

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## SUMMARY OF SEPTEMBER 2002 OPERATIONS

Sacramento had an average monthly temperature of 75.5 °F which was 1.7 °F above normal. The average temperature at Shasta Dam was 77.2 °F which was 2.7 °F above normal and Huntington Lake was .2 °F below normal with an average temperature of 55.3 °F.

Trinity System: Storage in Trinity Lake decreased 95,500 acre-feet this month to 1,500,100 acre-feet, which is 61 percent of capacity and 100 percent of the 15 year average for this date. The total inflow for the month was 5,857 acre-feet. The Trinity River release were 450 ft<sup>3</sup>/s. Whiskeytown Lake was operated between elevations 1208.80 feet and 1209.38 feet with an end-of-month storage of 237,300 acre-feet. The releases to Clear Creek from Whiskeytown Dam ranged from 70 to 250 ft<sup>3</sup>/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 65,686 acre-feet.

Shasta-Keswick: Storage in Shasta Lake decreased 200,100 acre-feet for an end-of-month storage of 2,558,200 acre-feet, which is 56 percent of capacity and 105 percent of the 15 year average. The total inflow for the month was 187,518 acre-feet. The release to the Sacramento River at Keswick ranged between 7,000 and 8,000 ft<sup>3</sup>/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 36,700 acre-feet and had an end-of-month storage of 509,800 acre-feet, which is 52 percent of capacity and 107 percent of the 15 year average for this date. The total inflow for the month was 77,061 acre-feet. The release to the American River at Nimbus ranged between 500 and 1,500 ft<sup>3</sup>/s during the month.

New Melones: Storage in New Melones decreased 41,700 acre-feet for an end-of-month storage of 1,278,200 acre-feet or 53 percent of capacity and 109 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 125 to 200 ft<sup>3</sup>/s for the month. The total inflow for the month was 43,117 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on September 30, 2002, was 295,000 acre-feet compared to the storage a year ago of 314,000 acre-feet.

Friant: Storage in Millerton Lake decreased 4,568 acre-feet to 221,100 acre-feet. The total monthly inflow was 89,228 acre-feet. The release to the San Joaquin River at Friant varied between 206 and 210 ft<sup>3</sup>/s.

CVP Totals: The total diversions to CVP canals were 362,095 acre-feet. The September 30, 2002, storage in the 18 CVP reservoirs was 6,141,000 acre-feet compared to storage 1 year ago of 5,791,000 acre-feet.

Power: Gross power production for the CVP totaled 330,468,000 kilowatt-hours.

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

Table 1

WATERSHED	RESERVOIR	TOTAL CAPACITY	09/30/02	09/30/01	WATERSHED	RESERVOIR	TOTAL CAPACITY	09/30/02	09/30/01
KLAMATH	CLEAR LAKE *	526,800	105,800	212,990	AMERICAN	FOLSOM LAKE *CVP	1,010,300	509,750	367,580
	GERBER *	94,300	14,230	19,140		LAKE NATOMA *CVP	9,030	8,050	8,050
	UPR KLAMATH LK *	873,300	146,130	120,540	COSUMNES	JENKINSON LK *CVP	41,000	29,580	29,460
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,500,120	1,428,160	MOKELUMNE	CAMANCHE	431,500	237,620	194,790
	LEWISTON LAKE*CVP	14,660	13,820	14,160		PARDEE	210,000	191,420	196,160
	WHISKEYTOWN *CVP	241,100	237,260	223,660	SALT SPRINGS	140,000	86,290	43,280	
MCCLOUD	MCCLOUD DIV. RES	35,230	23,830	26,000	CALAVERAS	NEW HOGAN	317,100	128,570	123,240
PIT	IRON CANYON	24,240	14,900	16,860		NEW MELONES*CVP	2,420,000	1,278,230	1,481,020
	LAKE BRITTON	40,620	32,770	37,530		BEARDSLEY	97,800	69,890	35,180
	PIT NO. 6	15,890	14,660	14,581	STANISLAUS	DONNELLS	64,320	24,450	27,140
	PIT NO. 7	34,610	33,030	32,670		TULLOCH	67,000	62,200	61,820
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	2,558,200	2,199,640	TUOLUMNE	LAKE ELEANOR	26,100	22,050	20,950
	SPRING CREEK *CVP	5,900	850	810		LAKE LLOYD	268,000	219,380	220,550
	KESWICK *CVP	23,800	22,190	20,820		HETCH-HETCHY	360,400	268,900	252,790
	RED BLUFF DIV *CVP	3,920	340	360	NEW DON PEDRO	2,030,000	1,251,990	1,198,220	
FEATHER	OROVILLE	3,538,000	1,399,660	1,487,680	TURLOCK LAKE	49,000	30,300	26,930	
	THERMALITO DIV RES	13,500	13,050	NR	MERCED	EXCHEQUER	1,024,600	332,650	441,760
	THERMALITO FORE.	14,400	11,120	NR		BUCHANAN	150,000	10,260	15,600
	THERMALITO AFTER.	57,000	26,310	21,800	CRANE VALLEY	45,400	30,030	30,010	
LAKE ALMANOR	1,143,000	766,870	660,220	LAKE T.A. EDISON	125,000	51,820	50,980		
STONY CREEK	EAST PARK *	50,900	7,470	30,560	FLORENCE LAKE	64,600	12,130	14,450	
	STONY GORGE *	50,000	28,360	28,590	SAN JOAQUIN	MAMMOTH POOL	122,700	38,420	27,110
	BLACK BUTTE *CVP	143,700	27,220	28,670		HUNTINGTON LAKE	89,800	68,340	79,780
LAKE BERRYESSA *	1,602,300	1,286,780	1,264,330	REDINGER LAKE		35,000	25,190	19,120	
PUTAH CREEK	LAKE SOLANO *	720	350	620	SHAVER LAKE	135,400	105,970	103,840	
					MILLERTON LK *CVP	520,500	221,130	187,860	
YUBA	BULLARDS BAR	930,000	532,830	538,490	FRESNO	HIDDEN	90,000		7,820
	SO. YUBA SYSTEM	146,000	63,650	42,460		SAN LUIS **CVP	2,040,600	688,440	829,590
NARROWS	70,000	68,710	66,540	O'NEILL FORE.**CVP		56,400	44,740	43,780	
BEAR	ROLLINS	65,990	46,910	44,450	SAN LUIS	L BANOS RES**CVP	34,560	18,890	18,730
LITTLE TRUCKEE	STAMPEDE *	226,620	110,240	160,500		LT PANOCHE **CVP	5,580	700	740
TRUCKEE	BOCA *	41,140	27,930	8,600	OIL CANYON	CONTRA LOMA *CVP	2,100	2,090	920
	PROSSER	PROSSER CREEK *	29,840	13,170	8,100	KINGS	WISHON	128,300	77,090
TRUCKEE	LAKE TAHOE *	732,000	65,540	185,900	PINE FLAT		1,001,500	133,300	276,050
HUMBOLDT	RYE PATCH *	190,000	NR	13,100	KAWEAH	TERMINUS	143,000	8,890	4,410
					TULE	SUCCESS	82,300	6,160	7,260
CARSON	LAHONTAN *	317,280	NR	76,700	KERN	ISABELLA	588,100	89,070	108,860
	TWIN LAKES	21,600	19,000	18,190	CUYAMA	TWITCHELL *	240,100	5,160	5,160
	FRENCH MEADOWS	136,400	85,290	44,500	SANTA YNEZ	LAKE CACHUMA *	190,500	129,370	173,480
AMERICAN	HELL HOLE	207,590	126,430	33,800	COYOTE	LAKE CASITAS *	254,000	198,340	226,930
	LOON LAKE	76,500	61,850	54,650	<b>TOTAL - 85 RESERVOIRS</b>	<b>33,790,040</b>	<b>16,449,850</b>	<b>16,335,961</b>	
	ICE HOUSE	46,000	36,060	28,820	<b>TOTAL - 36 RESERVOIRS</b>	<b>18,992,650</b>	<b>9,300,470</b>	<b>9,419,250</b>	
	UNION VALLEY	277,300	174,960	91,290	<b>TOTAL - 18 RESERVOIRS</b>	<b>13,572,850</b>	<b>7,161,600</b>	<b>6,884,010</b>	
SLAB CREEK	16,600	15,110	16,430						

\*\* - 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
<b><u>Generation in mwh</u></b>													
<b>Shasta</b>													
Gross	129390	72525	112474	119835	215951	270363	305078	202775	140112				1,568,503
Net	128954	72134	112155	119468	215616	270048	304743	202465	139794				1,565,377
<b>Keswick</b>													
Gross	31833	18594	23732	23449	42561	54934	64491	49092	33034				341,720
Net	31683	18464	23586	23324	42428	54801	64350	48954	32903				340,493
<b>Trinity</b>													
Gross	546	6291	8344	21635	78785	58117	60993	59135	32929				326,775
Net	481	6143	8181	21496	78642	57992	60868	59018	32832				325,653
<b>JF Carr</b>													
Gross	368	739	1570	19887	19787	55536	69635	69937	34491				271,950
Net	240	598	1436	19832	19734	55454	69539	69850	34435				271,118
<b>Spring Creek PP</b>													
Gross	33762	11434	8659	2034	21040	53176	67864	67429	29603				295,001
Net	33624	11359	8577	1966	20979	53072	67741	67319	29526				294,163
<b>Folsom</b>													
Gross	22501	21996	48677	62731	46760	46912	57358	32050	23900				362,885
Net	22249	21793	48489	62559	46587	46738	57158	31837	23711				361,121
<b>Nimbus</b>													
Gross	2602	2923	5958	7500	5623	5297	7111	4223	3185				44,422
Net	2584	2902	5936	7480	5603	5277	7092	4214	3156				44,244
<b>New Melones</b>													
Gross	4972	10484	23726	63176	61744	52164	55873	47771	33214				353,124
Net	4864	10386	23618	63054	61617	52053	55754	47656	33112				352,114
<b>O'Neill</b>													
Gross	0	0	0	1147	3037	2448	31	0	0				6,663
Net	0	0	0	1108	2934	2375	19	0	0				6,436
<b>Fed San Luis</b>													
Out Meter	0	0	1728	23275	0	53476	18928	5990	0				103,397
<b>Gross Generation</b>	225,974	144,986	234,868	344,669	495,288	652,423	707,362	538,402	330,468	0	0	0	3,674,440
<b>Net Generation</b>	224,679	143,779	233,706	343,562	494,140	651,286	706,192	537,303	329,469	0	0	0	3,664,116
<b>Stampede (Gross)</b>													
Stampede (Gross)	327	529	1,500	2,100	2,176	1,812	843	291	244				9,822
<b>Stampede (Net)</b>	299	505	1,473	2,076	2,156	1,796	830	281	233				9,649
<b><u>Energy in mwh</u></b>													
<b>Tracy</b>													
Tot Energy	59504	46477	59914	29204	11716	34516	62001	60123	58812				422,267
Fed Off-Pk	28189	21469	28350	13551	5577	16371	29433	28184	29714				200,838
<b>O'Neill</b>													
Tot Energy	13372	5568	9108	3297	0	224	911	3995	6688				43,163
Fed Off-Pk	6419	2652	4324	1501	0	85	416	1810	3456				20,663
<b>San Luis</b>													
Fed Energy	69662	15015	18369	4898	114	63	78	864	36119				145,182
Fed Off-Pk	56537	14970	17559	1203	114	63	63	819	36044				127,372
<b>Dos Amigos</b>													
Fed Energy	4303	12059	11952	11333	13767	25629	24536	19673	3603				126,855
Fed Off-Pk	3708	8174	8202	7898	9087	14304	14574	58893	4173				129,013
<b>Banks - Fed</b>													
Fed Energy	0	0	0	0	0	0	13018	6444	17080				36,542
Fed Off-Pk	0	0	0	0	0	0	3193	1479	9850				14,522
<b>Total Energy</b>	146,841	79,119	99,343	48,732	25,597	60,432	100,544	91,099	122,302	0	0	0	774,009
<b>Total Fed Off-Pk</b>	94,853	47,265	58,435	24,153	14,778	30,823	47,679	91,185	83,237	0	0	0	492,408

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

**Table 3**

**SEPTEMBER 2002**

**SHASTA LAKE DAILY OPERATIONS**

RUN DATE: October 21, 2002

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			
		2,758.4								
1	996.59	2,755.0	-3.4	3,423	4,756	0	0	390	.62	.00
2	996.42	2,751.4	-3.6	3,559	5,158	0	0	232	.37	.00
3	996.26	2,747.9	-3.4	3,083	4,536	0	0	270	.43	.00
4	996.16	2,745.8	-2.1	3,718	4,532	0	0	263	.42	.00
5	995.88	2,739.8	-6.0	2,896	5,698	0	0	207	.33	.00
6	995.48	2,731.3	-8.5	2,679	6,764	0	0	200	.32	.00
7	995.11	2,723.5	-7.9	1,877	5,654	0	0	187	.30	.00
8	994.76	2,716.1	-7.4	2,955	6,541	0	0	149	.24	.00
9	994.49	2,710.4	-5.7	3,407	6,066	0	0	218	.35	.00
10	994.18	2,703.8	-6.6	3,447	6,564	0	0	186	.30	.00
11	993.84	2,696.7	-7.2	3,014	6,441	0	0	186	.30	.00
12	993.51	2,689.7	-6.9	3,230	6,529	0	0	198	.32	.00
13	993.22	2,683.6	-6.1	3,603	6,460	0	0	216	.35	.00
14	992.77	2,674.2	-9.4	1,934	6,504	0	0	185	.30	.00
15	992.35	2,665.4	-8.8	2,198	6,435	0	0	190	.31	.00
16	992.10	2,660.2	-5.2	4,180	6,723	0	0	92	.15	.00
17	991.77	2,653.3	-6.9	2,739	6,008	0	0	196	.32	.00
18	991.48	2,647.3	-6.0	3,632	6,531	0	0	141	.23	.00
19	991.26	2,642.7	-4.6	3,908	6,012	0	0	202	.33	.00
20	991.08	2,639.0	-3.7	4,006	5,783	0	0	110	.18	.00
21	990.53	2,627.6	-11.4	1,485	6,998	0	0	225	.37	.00
22	990.05	2,617.7	-9.9	2,333	7,179	0	0	158	.26	.00
23	989.68	2,610.0	-7.6	3,371	6,998	0	0	212	.35	.00
24	989.26	2,601.4	-8.6	3,364	7,543	0	0	175	.29	.00
25	988.90	2,594.0	-7.4	3,782	7,321	0	0	187	.31	.00
26	988.59	2,587.7	-6.3	4,045	7,042	0	0	199	.33	.00
27	988.27	2,581.1	-6.5	4,154	7,256	0	0	198	.33	.00
28	987.86	2,572.8	-8.4	2,573	6,689	0	0	96	.16	.00
29	987.56	2,566.7	-6.1	3,382	6,263	0	0	180	.30	.00
30	987.14	2,558.2	-8.5	2,592	6,776	0	0	102	.17	.00
<b>TOTALS</b>			<b>-200.1</b>	<b>94,569</b>	<b>189,760</b>	<b>0</b>	<b>0</b>	<b>5,750</b>	<b>9.34</b>	<b>.00</b>
<b>ACRE-FEET</b>			<b>-200,100</b>	<b>187,578</b>	<b>376,389</b>	<b>0</b>	<b>0</b>	<b>11,405</b>		

COMMENTS:

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

**SUMMARY**

	RELEASE (ACRE-FEET)			PRECIPITATION
POWER	376,389	OUTLET	0	THIS MONTH = .00
SPILL	0	TOTAL	376,389	JULY 1, 2002 TO DATE = .00

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

Table 4

SEPTEMBER 2002

TRINITY LAKE DAILY OPERATIONS

RUN DATE: October 21, 2002

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)	
		1,595.9								
1	2,310.57	1,590.7	-5.2	131	2,672	0	0	103	.28	.00
2	2,310.16	1,585.6	-5.1	96	2,578	0	0	99	.27	.00
3	2,309.71	1,580.0	-5.6	4	2,725	0	0	102	.28	.00
4	2,309.20	1,573.6	-6.3	0	3,092	0	0	102	.28	.00
5	2,308.86	1,569.4	-4.2	1	2,035	0	0	91	.25	.00
6	2,308.55	1,565.6	-3.8	0	1,856	0	0	76	.21	.00
7	2,308.23	1,561.6	-4.0	1	1,932	0	0	62	.17	.02
8	2,307.97	1,558.4	-3.2	224	1,767	0	0	76	.21	.00
9	2,307.68	1,554.9	-3.6	259	1,988	0	0	69	.19	.00
10	2,307.40	1,551.4	-3.4	148	1,801	0	0	83	.23	.00
11	2,307.12	1,548.0	-3.4	117	1,769	0	0	83	.23	.00
12	2,306.86	1,544.8	-3.2	264	1,785	0	0	87	.24	.00
13	2,306.57	1,541.3	-3.5	119	1,813	0	0	94	.26	.00
14	2,306.25	1,537.3	-3.9	20	1,904	0	0	90	.25	.00
15	2,305.92	1,533.3	-4.0	2	1,945	0	0	90	.25	.00
16	2,305.59	1,529.3	-4.0	14	2,000	0	0	39	.11	.00
17	2,305.24	1,525.0	-4.3	19	2,092	0	0	75	.21	.00
18	2,304.94	1,521.4	-3.6	188	1,966	0	0	61	.17	.00
19	2,304.68	1,518.2	-3.1	427	1,928	0	0	86	.24	.00
20	2,304.30	1,513.6	-4.6	258	2,482	0	0	96	.27	.00
21	2,304.19	1,512.3	-1.3	69	659	0	0	82	.23	.00
22	2,304.14	1,511.7	-0.6	109	323	0	0	92	.26	.00
23	2,303.99	1,509.9	-1.8	257	1,105	0	0	67	.19	.00
24	2,303.89	1,508.7	-1.2	24	550	0	0	82	.23	.00
25	2,303.81	1,507.7	-1.0	27	431	0	0	82	.23	.00
26	2,303.66	1,505.9	-1.8	41	874	0	0	78	.22	.00
27	2,303.43	1,503.1	-2.8	39	1,358	0	0	78	.22	.00
28	2,303.32	1,501.8	-1.3	39	633	0	0	74	.21	.00
29	2,303.26	1,501.1	-0.7	24	322	0	0	67	.19	.00
30	2,303.18	1,500.1	-1.0	35	464	0	0	57	.16	.00
<b>TOTALS</b>			<b>-95.5</b>	<b>2,956</b>	<b>48,849</b>	<b>0</b>	<b>0</b>	<b>2,423</b>	<b>6.74</b>	<b>.02</b>
<b>ACRE-FEET</b>			<b>-95,500</b>	<b>5,863</b>	<b>96,892</b>	<b>0</b>	<b>0</b>	<b>4,806</b>		

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	96,892	OUTLET	0
SPILL	0	TOTAL	96,892
		THIS MONTH =	.02
		JULY 1, 2002 TO DATE =	.02

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

Table 5

SEPTEMBER 2002

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: October 21, 2002

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		
		239.0										
1	1,209.38	239.1	+0.1	2,348	2,277	71	70	0	2,212	34	.36	.00
2	1,209.36	239.0	-0.1	2,190	2,173	17	70	0	2,117	35	.37	.00
3	1,209.19	238.5	-0.5	2,260	2,196	64	70	0	2,428	36	.38	.00
4	1,209.10	238.2	-0.3	2,298	2,263	35	70	0	2,346	27	.29	.00
5	1,209.06	238.1	-0.1	1,240	1,229	11	70	0	1,206	29	.31	.00
6	1,209.08	238.2	+0.1	1,358	1,357	1	70	0	1,236	20	.21	.00
7	1,209.08	238.2	+0.0	1,365	1,362	3	70	0	1,282	13	.14	.00
8	1,209.06	238.1	-0.1	1,323	1,315	8	70	0	1,272	13	.14	.00
9	1,209.11	238.2	+0.2	1,439	1,395	44	70	0	1,272	16	.17	.00
10	1,209.08	238.2	-0.1	1,289	1,272	17	70	0	1,250	17	.18	.00
11	1,209.09	238.2	+0.0	1,369	1,321	48	70	0	1,255	28	.30	.00
12	1,209.11	238.2	+0.1	1,361	1,308	53	70	0	1,227	32	.34	.00
13	1,209.22	238.6	+0.4	1,580	1,540	40	149	0	1,233	21	.22	.00
14	1,209.15	238.4	-0.2	1,385	1,337	48	250	0	1,218	30	.32	.00
15	1,209.10	238.2	-0.2	1,407	1,350	57	250	0	1,230	8	.08	.00
16	1,209.09	238.2	+0.0	1,477	1,440	37	250	0	1,230	13	.14	.00
17	1,209.13	238.3	+0.1	1,552	1,526	26	250	0	1,221	16	.17	.00
18	1,209.11	238.2	-0.1	1,493	1,450	43	250	0	1,258	17	.18	.00
19	1,209.11	238.2	+0.0	1,499	1,449	50	250	0	1,235	14	.15	.00
20	1,209.12	238.3	+0.0	1,541	1,522	19	250	0	1,253	22	.23	.00
21	1,209.13	238.3	+0.0	300	283	17	250	0	14	20	.21	.00
22	1,208.97	237.8	-0.5	29	14	15	250	0	14	23	.24	.00
23	1,209.17	238.4	+0.6	604	600	4	250	0	14	18	.19	.00
24	1,209.01	237.9	-0.5	19	14	5	250	0	14	13	.14	.00
25	1,208.85	237.4	-0.5	14	14	0	250	0	14	7	.08	.00
26	1,208.81	237.3	-0.1	217	199	18	250	0	14	17	.18	.00
27	1,209.19	238.5	+1.2	877	868	9	239	0	14	13	.14	.00
28	1,209.06	238.1	-0.4	22	14	8	200	0	14	18	.19	.00
29	1,208.93	237.7	-0.4	19	14	5	200	0	14	14	.15	.00
30	1,208.80	237.3	-0.4	16	14	2	200	0	14	11	.12	.00
<b>TOTALS</b>			<b>-1.7</b>	<b>33,891</b>	<b>33,116</b>	<b>775</b>	<b>5,078</b>	<b>0</b>	<b>29,121</b>	<b>595</b>	<b>6.32</b>	<b>.00</b>
<b>ACRE-FEET</b>			<b>-1.7</b>	<b>67,223</b>	<b>65,686</b>	<b>1,537</b>	<b>10,072</b>	<b>0</b>	<b>57,762</b>	<b>1,180</b>		

\* 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	57,762	OUTLET	10,072	THIS MONTH	.00
SPILL	0	TOTAL	67,834	JULY 1, 2002 TO DATE	.00



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

Table 6

SEPTEMBER 2002

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: October 21, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			JUDGE FRANCIS CARR POWERPLANT	EVAPORATION (2)	
		IN LAKE	CHANGE		POWER	RIVER OUTLETS (1)	SPILL		C.F.S.	INCHES
		14,285								
1	1,901.52	14,300	+15	2,741	80	250	120	2,277	6	.28
2	1,901.39	14,203	-97	2,580	80	250	120	2,173	6	.27
3	1,901.42	14,225	+22	2,663	80	250	120	2,196	6	.28
4	1,901.46	14,255	+30	2,734	27	250	173	2,263	6	.28
5	1,901.10	13,986	-269	1,548	0	250	200	1,229	5	.25
6	1,901.04	13,941	-45	1,789	0	250	200	1,357	5	.21
7	1,901.25	14,098	+157	1,895	0	250	200	1,362	4	.17
8	1,901.15	14,023	-75	1,732	0	250	200	1,315	5	.21
9	1,901.38	14,195	+172	1,936	0	250	200	1,395	4	.19
10	1,901.44	14,240	+45	1,750	0	250	200	1,272	5	.23
11	1,901.39	14,203	-37	1,757	0	250	200	1,321	5	.23
12	1,901.44	14,240	+37	1,782	0	250	200	1,308	5	.24
13	1,901.01	13,918	-322	1,834	6	244	200	1,540	6	.26
14	1,901.24	14,091	+173	1,879	0	50	400	1,337	5	.25
15	1,901.17	14,038	-53	1,778	0	50	400	1,350	5	.25
16	1,900.93	13,859	-179	1,802	33	50	367	1,440	2	.11
17	1,901.16	14,031	+172	2,068	80	50	320	1,526	5	.21
18	1,901.32	14,150	+119	1,964	80	50	320	1,450	4	.17
19	1,901.22	14,076	-74	1,867	80	50	320	1,449	5	.24
20	1,901.62	14,375	+299	2,129	80	50	320	1,522	6	.27
21	1,901.47	14,263	-112	682	80	50	320	283	5	.23
22	1,901.04	13,941	-322	308	80	50	320	14	6	.26
23	1,901.17	14,038	+97	1,103	80	50	320	600	4	.19
24	1,901.24	14,091	+53	496	80	50	320	14	5	.23
25	1,901.09	13,978	-113	412	80	50	320	14	5	.23
26	1,901.54	14,315	+337	824	80	50	320	199	5	.22
27	1,901.61	14,367	+52	1,349	80	50	320	868	5	.22
28	1,901.53	14,307	-60	439	80	50	320	14	5	.21
29	1,901.08	13,971	-336	299	80	50	320	14	4	.19
30	1,900.88	13,823	-148	392	80	50	320	14	3	.16
<b>TOTALS</b>			<b>-462</b>	<b>46,532</b>	<b>1,426</b>	<b>4,094</b>	<b>7,980</b>	<b>33,116</b>	<b>147</b>	<b>6.74</b>
<b>ACRE-FEET</b>			<b>-462</b>	<b>92,296</b>	<b>2,828</b>	<b>8,120</b>	<b>15,828</b>	<b>65,686</b>	<b>292</b>	

\* 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	2,828	JUDGE FRANCIS CARR POWERPLANT	65,686
TOTAL RIVER	26,776	TOTAL RELEASE	92,462

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

**Table 7**

**SEPTEMBER 2002**

**SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS**

RUN DATE: October 21, 2002

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	
		837								
1	709.15	837	+0	0	0	0				
2	709.17	838	+1	1	0	0				
3	709.18	838	+0	0	0	0				
4	709.21	839	+1	1	0	0				
5	709.21	839	+0	0	0	0				
6	709.21	839	+0	0	0	0				
7	709.22	839	+0	0	0	0				
8	709.23	839	+0	0	0	0				
9	709.23	839	+0	0	0	0				
10	709.26	840	+1	1	0	0				
11	709.28	841	+1	1	0	0				
12	709.31	842	+1	1	0	0				
13	709.37	843	+1	1	0	0				
14	709.39	844	+1	1	0	0				
15	709.41	844	+0	0	0	0				
16	709.49	847	+3	2	0	0				
17	709.51	847	+0	0	0	0				
18	709.52	848	+1	1	0	0				
19	709.53	848	+0	0	0	0				
20	709.54	848	+0	0	0	0				
21	709.55	848	+0	0	0	0				
22	709.56	849	+1	1	0	0				
23	709.57	849	+0	0	0	0				
24	709.59	850	+1	1	0	0				
25	709.61	850	+0	0	0	0				
26	709.63	851	+1	1	0	0				
27	709.65	851	+0	0	0	0				
28	709.67	852	+1	1	0	0				
29	709.70	853	+1	1	0	0				
30	709.72	853	+0	0	0	0				
<b>TOTALS</b>			<b>+16</b>	<b>15</b>	<b>0</b>	<b>0</b>				
<b>ACRE-FEET</b>			<b>+16</b>	<b>30</b>	<b>0</b>	<b>0</b>				

COMMENTS:

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

**SUMMARY**

RELEASE (ACRE-FEET)

SPILL	0
OUTLET	0
TOTAL	0

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

Table 8

SEPTEMBER 2002

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: October 21, 2002

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)
		22,538								
1	584.16	21,989	-549	7,243	2,212	4,756	7,509	0	0	11
2	584.20	22,013	+24	7,536	2,117	5,158	7,517	0	0	7
3	583.76	21,744	-269	7,373	2,428	4,536	7,501	0	0	8
4	583.66	21,684	-60	7,205	2,346	4,532	7,227	0	0	8
5	583.09	21,338	-346	7,054	1,206	5,698	7,222	0	0	6
6	583.95	21,860	+522	8,264	1,236	6,764	7,995	0	0	6
7	584.64	22,285	+425	8,250	1,282	5,654	8,031	0	0	5
8	584.75	22,353	+68	8,037	1,272	6,541	7,999	0	0	4
9	584.70	22,322	-31	7,995	1,272	6,066	8,005	0	0	6
10	584.49	22,192	-130	7,936	1,250	6,564	7,997	0	0	5
11	584.04	21,915	-277	7,862	1,255	6,441	7,997	0	0	5
12	584.35	22,106	+191	8,152	1,227	6,529	8,050	0	0	6
13	584.27	22,057	-49	8,016	1,233	6,460	8,035	0	0	6
14	584.54	22,223	+166	8,123	1,218	6,504	8,034	0	0	5
15	585.54	22,846	+623	8,334	1,230	6,435	8,014	0	0	6
16	585.35	22,727	-119	7,953	1,230	6,723	8,010	0	0	3
17	584.95	22,476	-251	7,885	1,221	6,008	8,006	0	0	6
18	584.86	22,421	-55	7,918	1,258	6,531	7,942	0	0	4
19	584.45	22,168	-253	7,527	1,235	6,012	7,649	0	0	6
20	584.21	22,020	-148	7,536	1,253	5,783	7,608	0	0	3
21	585.10	22,570	+550	7,880	14	6,998	7,596	0	0	7
22	584.71	22,328	-242	7,482	14	7,179	7,599	0	0	5
23	584.62	22,273	-55	7,592	14	6,998	7,614	0	0	6
24	585.07	22,551	+278	7,764	14	7,543	7,619	0	0	5
25	585.41	22,764	+213	7,721	14	7,321	7,608	0	0	6
26	584.49	22,192	-572	7,329	14	7,042	7,611	0	0	6
27	585.40	22,758	+566	7,895	14	7,256	7,604	0	0	6
28	585.72	22,959	+201	7,169	14	6,689	7,065	0	0	3
29	584.17	21,995	-964	6,527	14	6,263	7,008	0	0	5
30	584.49	22,192	+197	7,129	14	6,776	7,027	0	0	3
<b>TOTALS</b>			<b>-346</b>	<b>230,687</b>	<b>29,121</b>	<b>189,760</b>	<b>230,699</b>	<b>0</b>	<b>0</b>	<b>168</b>
<b>ACRE-FEET</b>			<b>-346</b>	<b>457,568</b>	<b>57,762</b>	<b>376,389</b>	<b>457,591</b>	<b>0</b>	<b>0</b>	<b>333</b>

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

**SUMMARY**  
RELEASE (ACRE-FEET)

POWER	457,591
SPILL	0
FISH TRAP	0

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

**Table 9**

**SEPTEMBER 2002**

**RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS**

RUN DATE: October 21, 2002

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		3,938				
1	252.56	3,953	+15	37	408	6,510
2	252.49	3,919	-34	31	245	6,630
3	252.51	3,928	+9	42	446	6,270
4	252.54	3,943	+15	52	417	6,630
5	252.56	3,953	+10	54	332	6,150
6	252.53	3,938	-15	36	366	5,910
7	252.31	3,829	-109	40	273	6,630
8	252.55	3,948	+119	35	353	7,350
9	252.61	3,978	+30	52	354	7,230
10	252.52	3,933	-45	44	309	6,630
11	252.46	3,904	-29	84	479	6,510
12	252.52	3,933	+29	54	363	6,390
13	252.53	3,938	+5	51	331	6,390
14	252.56	3,953	+15	60	316	6,870
15	252.63	3,988	+35	32	405	6,870
16	248.49	2,294	-1,694	49	230	6,920
17	244.50	1,238	-1,056	46	174	6,900
18	239.10	362	-876	54	306	6,800
19	239.12	364	+2	54	236	6,800
20	239.08	360	-4	50	176	6,300
21	239.01	351	-9	68	307	6,250
22	239.00	350	-1	48	325	6,200
23	239.08	360	+10	46	227	6,300
24	239.00	350	-10	65	130	6,300
25	239.07	358	+8	57	252	6,300
26	239.00	350	-8	49	332	6,200
27	239.00	350	+0	51	347	6,250
28	239.00	350	+0	42	343	6,250
29	238.91	341	-9	34	171	5,925
30	238.94	344	+3	45	161	6,000
<b>TOTALS</b>			<b>-3,594</b>	<b>1,462</b>	<b>9,114</b>	<b>194,665</b>
<b>ACRE-FEET</b>			<b>-3,594</b>	<b>2,900</b>	<b>18,078</b>	<b>386,118</b>

**SUMMARY**

RELEASE (ACRE-FEET)

CORNING CANAL	2,900
TEHAMA-COLUSA CANAL	18,078
TO SACTO RIVER	386,118
<b>TOTAL</b>	<b>407,096</b>

Date This Report Generated:  
30 OCT 2002 @ 1600

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

SEPTEMBER 2002

Date	Midnight Elev (ft)	Storage (ac-ft)	Storage Change (ac-ft)	Mean Inflow (sfd)	an Outflow Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)	Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)
1	445.95	43869	-684	2	318	138	175	5	66	0.4	0	37105	136200
2	445.65	43192	-677	2	323	144	174	5	66	0.4	0	37057	136200
3	445.35	42522	-670	2	319	147	167	5	55	0.34	0	36989	136200
4	445.06	41881	-641	2	298	147	146	5	67	0.42	0	36902	136200
5	444.77	41245	-636	1	272	135	132	5	45	0.28	0	36853	136200
6	444.51	40682	-563	2	261	120	136	5	38	0.24	0	36813	136200
7	444.27	40166	-516	2	246	107	134	5	41	0.26	0	36783	135700
8	444.03	39655	-511	2	223	101	117	5	51	0.33	0	36723	134200
9	443.83	39233	-422	2	201	92	104	5	43	0.28	0	36690	132700
10	443.61	38772	-461	2	224	85	134	5	59	0.39	0	36655	131200
11	443.36	38254	-518	2	243	88	153	2	50	0.33	0	36625	129700
12	443.07	37658	-596	2	309	113	191	5	48	0.32	0	36577	128200
13	442.73	36968	-690	2	349	130	214	5	47	0.32	0	36500	126700
14	442.38	36266	-702	2	343	125	213	5	44	0.3	0	36461	125200
15	442.04	35591	-675	2	317	136	176	5	29	0.2	0	36410	123700
16	441.71	34944	-647	2	307	138	164	5	34	0.24	0	36355	122200
17	441.4	34342	-602	2	273	128	140	5	39	0.28	0	36306	120800
18	441.07	33709	-633	2	251	123	123	5	71	0.51	0	36238	119300
19	440.79	33177	-532	1	245	107	133	5	55	0.4	0	36180	117800
20	440.51	32651	-526	2	251	106	140	5	46	0.34	0	36170	116300
21	440.23	32130	-521	2	256	102	149	5	45	0.33	0	36102	114800
22	439.95	31614	-516	2	240	87	148	5	40	0.3	0	36070	113300
23	439.69	31140	-474	2	205	77	123	5	44	0.33	0	36040	111800
24	439.42	30652	-488	2	241	92	149	0	42	0.32	0	35995	110300
25	439.09	30063	-589	2	254	97	157	0	47	0.36	0	35956	108800
26	438.76	29482	-581	1	289	97	192	0	43	0.34	0	35917	107300
27	438.41	28878	-604	2	290	109	181	0	21	0.17	0	35897	105800
28	438.07	28303	-575	2	271	128	143	0	26	0.21	0	35868	104300
29	437.73	27740	-563	2	257	134	123	0	26	0.22	0	35829	102800
30	437.41	27221	-519	2	234	128	106	0	32	0.27	0	35790	101400
Totals	(sfd)			57	8110	3461	4537	112					
Totals	(ac-ft)		-17332	113	16086.2	6864.9			1360				
Totals	(inches)									9.43	0		

[1] South Diversion Canal,      [2] Wakerman Ranch Diversion above South Diversion Canal Measuring Weir

\*\*\* Preliminary - Data Subject to Revision \*\*\*

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

Table 11

SEPTEMBER 2002

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: October 21, 2002

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	422.13	546.7		1,292	1,434	0	0	267	140	.50	.00
2	422.14	545.6	-1.1	1,815	1,384	0	0	277	112	.40	.00
3	422.08	545.7	+0.1	1,759	1,549	0	0	279	185	.66	.00
4	421.94	545.2	-0.5	1,360	1,493	0	0	263	193	.69	.00
5	421.87	544.0	-1.2	1,664	1,551	0	0	257	149	.53	.00
6	421.87	543.4	-0.6								
7	421.96	544.2	+0.7	2,689	1,936	0	0	250	126	.45	.00
8	421.91	543.8	-0.4	1,645	1,540	0	0	244	70	.25	.00
9	421.77	542.6	-1.2	1,256	1,533	0	0	253	56	.20	.00
10	421.48	540.2	-2.4	772	1,577	0	0	256	154	.55	.00
11	421.32	538.9	-1.3	1,284	1,514	0	0	259	181	.65	.00
12	421.27	538.5	-0.4	1,680	1,533	0	0	259	98	.35	.00
13	421.27	538.5	+0.0	1,894	1,514	0	0	254	126	.45	.00
14	421.11	537.1	-1.3	1,374	1,662	0	0	262	120	.43	.00
15	421.03	536.5	-0.7	1,563	1,534	0	0	253	111	.40	.00
16	420.90	535.4	-1.1	1,382	1,569	0	0	253	100	.36	.00
17	420.69	533.7	-1.7	961	1,494	0	0	255	83	.30	.00
18	420.54	532.4	-1.2	1,206	1,493	0	0	208	128	.46	.00
19	420.34	530.8	-1.6	1,115	1,545	0	0	256	144	.52	.00
20	420.22	529.8	-1.0	1,605	1,658	0	0	246	199	.72	.00
21	420.12	529.0	-0.8	1,442	1,463	0	0	245	149	.54	.00
22	419.91	527.3	-1.7	1,175	1,577	0	0	245	221	.80	.00
23	419.65	525.1	-2.1	881	1,541	0	0	244	165	.60	.00
24	419.57	524.5	-0.7	1,643	1,537	0	0	248	187	.68	.00
25	419.47	523.7	-0.8	1,543	1,533	0	0	234	187	.68	.00
26	419.28	522.1	-1.5	1,122	1,579	0	0	242	82	.30	.00
27	419.09	520.6	-1.5	1,110	1,572	0	0	237	82	.30	.00
28	418.74	517.7	-2.8	462	1,582	0	0	238	71	.26	.00
29	418.40	515.0	-2.7	453	1,572	0	0	230	35	.13	.00
30	418.09	512.5	-2.5	352	1,359	0	0	218	38	.14	.00
	417.75	509.8	-2.7	433	1,541	0	0	216	51	.19	.00
<b>TOTALS</b>			<b>-36.7</b>	<b>38,932</b>	<b>46,369</b>	<b>0</b>	<b>0</b>	<b>7,448</b>	<b>3,743</b>	<b>13.49</b>	<b>.00</b>
<b>ACRE-FEET</b>			<b>-36,700</b>	<b>77,222</b>	<b>91,973</b>	<b>0</b>	<b>0</b>	<b>14,773</b>	<b>7,424</b>		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	91,973	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	106,746	JULY 1, 2002 TO DATE =	.00
PUMPING PLANT	14,773				

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

Table 12

SEPTEMBER 2002

LAKE NATOMA DAILY OPERATIONS

RUN DATE: October 21, 2002

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	123.68	8,286							
2	123.10	8,111	-175	1,466	43	1,445	0	60	6
3	123.10	7,838	-273	1,414	43	1,444	0	60	5
4	123.10	7,838	+0	1,557	43	1,445	0	60	9
5	122.91	7,751	-87	1,510	43	1,442	0	60	9
6	122.91	7,751	+0	1,553	43	1,443	0	60	7
7	123.39	7,974	+223	1,671	45	1,448	0	60	6
8	123.34	7,951	-23	1,540	45	1,444	0	60	3
9	123.27	7,918	-33	1,536	45	1,445	0	60	3
10	123.35	7,956	+38	1,579	45	1,448	0	60	7
11	123.23	7,899	-57	1,529	45	1,445	0	60	8
12	123.13	7,852	-47	1,529	45	1,443	0	60	5
13	122.98	7,782	-70	1,524	45	1,448	0	60	6
14	123.38	7,970	+188	1,649	45	1,443	0	60	6
15	123.28	7,923	-47	1,530	45	1,444	0	60	5
16	123.40	7,979	+56	1,579	45	1,441	0	60	5
17	123.50	8,026	+47	1,501	45	1,368	0	60	4
18	123.30	7,932	-94	1,509	45	1,445	0	60	6
19	123.44	7,998	+66	1,585	45	1,440	0	60	7
20	123.61	8,078	+80	1,603	45	1,449	0	60	9
21	123.34	7,951	-127	1,498	45	1,450	0	60	7
22	123.50	8,026	+75	1,592	45	1,439	0	60	10
23	123.51	8,031	+5	1,564	45	1,448	0	60	8
24	123.57	8,059	+28	1,569	45	1,441	0	60	9
25	123.62	8,082	+23	1,572	45	1,446	0	60	9
26	123.84	8,186	+104	1,605	45	1,444	0	60	4
27	123.96	8,242	+56	1,584	43	1,449	0	60	4
28	124.10	8,311	+69	1,586	40	1,451	0	57	3
29	124.04	8,281	-30	1,535	42	1,446	0	60	2
30	123.51	8,031	-250	1,420	42	1,442	0	60	2
30	123.55	8,050	+19	1,557	42	1,443	0	60	2
<b>TOTALS</b>			<b>-236</b>	<b>46,446</b>	<b>1,324</b>	<b>43,269</b>	<b>0</b>	<b>1,797</b>	<b>176</b>
<b>ACRE-FEET</b>			<b>-236</b>	<b>92,126</b>	<b>2,626</b>	<b>85,824</b>	<b>0</b>	<b>3,564</b>	<b>349</b>

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	85,824	FOLSOM SOUTH CANAL	2,626	TOTAL	92,014
SPILL	0	HATCHERY	3,564		

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

Table 13

SEPTEMBER 2002

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: October 21, 2002

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		
		1,319.9									
1	982.82	1,318.6	-1.3	688	1,225	0	0	111	.40	.00	
2	982.62	1,316.9	-1.7	847	1,600	0	0	111	.40	.00	
3	982.33	1,314.4	-2.5	995	2,143	0	0	105	.38	.00	
4	982.12	1,312.6	-1.8	803	1,597	0	0	113	.41	.00	
5	981.94	1,311.1	-1.5	650	1,357	0	0	69	.25	.00	
6	981.71	1,309.1	-2.0	702	1,623	0	0	69	.25	.00	
7	981.35	1,306.0	-3.1	583	2,063	0	0	69	.25	.00	
8	981.17	1,304.5	-1.5	563	1,279	0	0	58	.21	.00	
9	981.08	1,303.7	-0.8	838	1,148	0	0	77	.28	.00	
10	980.89	1,302.1	-1.6	604	1,337	0	0	83	.30	.00	
11	980.67	1,300.2	-1.9	802	1,640	0	0	105	.38	.00	
12	980.54	1,299.1	-1.1	722	1,185	0	0	94	.34	.00	
13	980.39	1,297.9	-1.3	717	1,260	0	0	99	.36	.00	
14	980.25	1,296.7	-1.2	718	1,219	0	0	99	.36	.00	
15	980.14	1,295.7	-0.9	691	1,085	0	0	77	.28	.00	
16	979.97	1,294.3	-1.4	464	1,115	0	0	77	.28	.00	
17	979.77	1,292.6	-1.7	583	1,368	0	0	69	.25	.00	
18	979.61	1,291.2	-1.4	816	1,431	0	0	68	.25	.00	
19	979.48	1,290.1	-1.1	892	1,376	0	0	71	.26	.00	
20	979.31	1,288.7	-1.4	816	1,456	0	0	85	.31	.00	
21	979.12	1,287.1	-1.6	769	1,484	0	0	96	.35	.00	
22	979.08	1,286.7	-0.3	779	854	0	0	96	.35	.00	
23	979.01	1,286.2	-0.6	893	1,073	0	0	118	.43	.00	
24	978.87	1,285.0	-1.2	642	1,114	0	0	123	.45	.00	
25	978.77	1,284.1	-0.8	759	1,102	0	0	82	.30	.00	
26	978.62	1,282.9	-1.3	854	1,393	0	0	98	.36	.00	
27	978.41	1,281.1	-1.8	585	1,395	0	0	82	.30	.00	
28	978.34	1,280.5	-0.6	556	831	0	0	22	.08	.00	
29	978.21	1,279.4	-1.1	669	1,181	0	0	41	.15	.00	
30	978.07	1,278.2	-1.2	738	1,300	0	0	33	.12	.00	
<b>TOTALS</b>			<b>-41.7</b>	<b>21,738</b>	<b>40,234</b>	<b>0</b>	<b>0</b>	<b>2,500</b>	<b>9.09</b>	<b>.00</b>	
<b>ACRE-FEET</b>			<b>-41,700</b>	<b>43,117</b>	<b>79,804</b>	<b>0</b>	<b>0</b>	<b>4,959</b>			

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	79,804	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	79,804	JULY 1, 2002 TO DATE =	.00



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
<b>TOTALS</b>			<b>+2</b>	<b>8,532</b>	<b>0</b>	<b>8,378</b>	<b>107</b>	<b>0</b>
<b>ACRE-FEET</b>			<b>+2</b>	<b>16,923</b>	<b>0</b>	<b>16,618</b>	<b>212</b>	<b>0</b>

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

Table 15

SEPTEMBER 2002

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: October 21, 2002

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		
		225.7								
1	503.76	226.9	+1.2	2,077	240	1,003	0	206	33	.34
2	503.95	227.5	+0.6	1,914	241	1,143	0	207	33	.34
3	503.97	227.5	+0.1	1,751	241	1,243	0	207	30	.31
4	503.99	227.6	+0.1	1,776	241	1,256	0	207	41	.42
5	503.83	227.1	-0.5	1,445	241	1,213	0	207	29	.30
6	503.92	227.4	+0.3	1,683	241	1,077	0	207	20	.20
7	504.12	228.0	+0.6	1,501	241	727	0	207	19	.19
8	504.42	228.9	+0.9	1,821	242	887	0	207	24	.24
9	504.47	229.0	+0.2	1,690	242	1,136	0	207	28	.28
10	504.66	229.6	+0.6	2,026	242	1,258	0	207	27	.27
11	504.53	229.2	-0.4	1,619	242	1,330	0	207	40	.41
12	504.34	228.6	-0.6	1,585	242	1,390	0	207	38	.39
13	504.27	228.4	-0.2	1,611	242	1,235	0	207	34	.35
14	504.24	228.3	-0.1	1,437	242	993	0	207	41	.42
15	504.17	228.1	-0.2	1,418	242	1,045	0	207	31	.31
16	503.59	226.4	-1.8	905	241	1,301	0	207	43	.44
17	503.28	225.4	-0.9	1,446	240	1,442	0	206	31	.32
18	502.69	223.6	-1.8	1,036	239	1,462	0	210	21	.22
19	502.31	222.5	-1.1	1,263	238	1,361	0	210	29	.30
20	502.13	222.0	-0.5	1,324	237	1,120	0	210	29	.30
21	502.13	222.0	+0.0	1,403	237	919	0	210	37	.38
22	502.51	223.1	+1.1	1,979	238	919	0	210	37	.38
23	502.41	222.8	-0.3	1,427	238	1,110	0	210	21	.22
24	502.37	222.7	-0.1	1,677	238	1,257	0	210	32	.33
25	502.14	222.0	-0.7	1,371	238	1,244	0	210	27	.28
26	501.90	221.3	-0.7	1,297	237	1,174	0	210	38	.39
27	501.82	221.0	-0.2	1,283	133	1,027	0	210	33	.34
28	501.92	221.3	+0.3	1,164	0	789	0	210	15	.16
29	502.06	221.8	+0.4	1,225	0	795	0	210	9	.09
30	501.85	221.1	-0.6	831	0	931	0	210	6	.06
<b>TOTALS</b>			<b>-4.6</b>	<b>44,985</b>	<b>6,376</b>	<b>33,787</b>	<b>0</b>	<b>6,247</b>	<b>876</b>	<b>8.98</b>
<b>ACRE-FEET</b>			<b>-4,568</b>	<b>89,228</b>	<b>12,647</b>	<b>67,017</b>	<b>0</b>	<b>12,391</b>	<b>1,738</b>	

COMMENTS:

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

SUMMARY			
RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS	RIVER		
FRIANT-KERN	AT FRIANT	THIS MONTH =	0.00
MADERA	TOTAL RELEASES	JULY 1, 2002 TO DATE =	0.00

Table 16

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

**September 2002**

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow			
	Sacto R @Freeport -prev day-	SRTP -prev wk-	Yolo + Misc -prev day-	East Side Streams -prev day-	S. Joaquin River@Vernalis -prev day-	7-day Average	Monthly Average	Total Delta Inflow		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOJ daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)	
1-Sep-02	14,687	154	0	225	1,110	1,161	1,194	16,176	3,200	6,000	4,256	85	76	100	10,366	10,099	2,610	2,618	2,610	62.9%	62.4%	57.3%	
2-Sep-02	14,511	154	0	239	1,194	1,153	1,211	16,098	3,200	5,799	4,306	81	76	97	10,207	10,211	2,691	2,635	2,650	62.3%	62.7%	58.6%	
3-Sep-02	13,913	154	0	241	1,228	1,150	1,197	15,536	3,150	4,947	4,245	79	107	91	9,254	9,851	3,132	2,713	2,811	58.5%	61.3%	57.1%	
4-Sep-02	13,249	154	0	240	1,169	1,130	1,155	14,812	3,100	4,291	4,237	78	100	105	8,611	9,275	3,101	2,769	2,883	56.9%	59.3%	54.7%	
5-Sep-02	13,370	154	0	242	1,029	1,117	1,124	14,795	3,050	3,990	4,274	76	72	96	8,364	8,661	3,381	2,869	2,983	55.4%	56.9%	52.0%	
6-Sep-02	13,665	154	0	213	1,002	1,113	1,113	15,034	3,000	4,293	3,789	65	97	99	8,149	8,292	3,885	3,052	3,133	53.1%	55.1%	50.7%	
7-Sep-02	13,665	154	0	213	1,056	1,109	1,109	15,088	2,950	3,998	4,363	79	101	96	8,435	8,236	3,703	3,215	3,215	54.7%	54.4%	51.2%	
8-Sep-02	13,782	154	0	211	1,086	1,103	1,114	15,233	2,900	3,991	4,371	78	101	98	8,438	8,269	3,895	3,398	3,300	54.2%	54.0%	52.0%	
9-Sep-02	13,633	154	0	210	1,151	1,096	1,121	15,148	2,900	4,998	4,004	77	0	82	9,161	8,575	3,087	3,455	3,276	59.4%	56.1%	54.8%	
10-Sep-02	13,960	154	0	202	1,178	1,091	1,123	15,494	2,850	4,994	3,985	89	38	82	9,113	8,781	3,531	3,512	3,302	57.7%	57.1%	56.6%	
11-Sep-02	13,877	154	0	189	1,132	1,101	1,121	15,352	2,800	5,491	4,300	84	49	91	9,917	9,258	2,635	3,446	3,241	63.5%	60.2%	59.9%	
12-Sep-02	13,996	154	0	193	1,102	1,121	1,122	15,445	2,750	5,592	4,300	84	60	94	10,009	9,554	2,686	3,346	3,195	63.7%	61.6%	61.6%	
13-Sep-02	14,311	154	0	201	1,140	1,134	1,124	15,806	2,700	5,593	4,333	85	58	98	10,051	9,870	3,055	3,228	3,184	62.4%	63.2%	63.5%	
14-Sep-02	14,360	154	0	204	1,151	1,145	1,127	15,869	2,650	5,198	4,297	89	50	84	9,618	9,771	3,601	3,213	3,214	59.5%	61.9%	63.0%	
15-Sep-02	14,153	154	0	223	1,161	1,158	1,135	15,691	2,600	5,491	4,320	78	50	89	9,928	9,745	3,163	3,108	3,210	62.2%	61.4%	63.0%	
16-Sep-02	13,574	154	0	233	1,243	1,179	1,147	15,204	2,600	4,800	4,296	82	35	88	9,230	9,468	3,374	3,149	3,221	59.6%	60.4%	61.5%	
17-Sep-02	13,845	154	0	224	1,326	1,192	1,151	15,549	2,550	4,991	3,911	73	64	89	9,000	9,270	3,999	3,216	3,266	56.8%	59.6%	60.2%	
18-Sep-02	13,657	154	0	224	1,222	1,200	1,151	15,257	2,500	4,993	3,987	71	48	86	9,089	8,993	3,668	3,364	3,289	58.5%	58.3%	58.2%	
19-Sep-02	14,131	154	0	198	1,155	1,198	1,150	15,638	2,450	4,991	4,388	73	71	93	9,474	9,087	3,714	3,511	3,311	59.5%	58.3%	58.6%	
20-Sep-02	14,037	154	0	194	1,125	1,200	1,151	15,510	2,450	3,994	4,399	74	85	93	8,475	8,918	4,585	3,729	3,375	53.6%	57.2%	57.3%	
21-Sep-02	13,864	154	0	203	1,170	1,198	1,151	15,391	2,400	2,997	4,353	76	50	89	7,465	8,374	5,526	4,004	3,477	47.4%	53.5%	53.7%	
22-Sep-02	13,661	154	0	199	1,145	1,196	1,154	15,159	2,350	2,996	4,371	75	50	103	7,494	7,704	5,315	4,312	3,561	48.3%	49.8%	49.4%	
23-Sep-02	13,437	154	0	188	1,227	1,181	1,157	15,006	2,350	2,996	4,343	86	109	97	7,413	7,352	5,243	4,578	3,634	48.2%	48.0%	47.1%	
24-Sep-02	13,438	154	0	182	1,226	1,176	1,158	15,000	2,300	2,994	4,376	88	38	90	7,508	7,359	5,192	4,749	3,699	48.9%	48.4%	47.3%	
25-Sep-02	13,151	154	0	176	1,181	1,175	1,158	14,662	2,250	2,995	4,473	84	56	86	7,582	7,392	4,830	4,915	3,744	50.6%	49.2%	47.7%	
26-Sep-02	12,912	154	0	166	1,149	1,181	1,158	14,381	2,250	2,696	4,371	83	41	102	7,210	7,301	4,921	5,087	3,789	48.9%	49.4%	47.4%	
27-Sep-02	12,060	154	0	161	1,170	1,177	1,158	13,545	2,200	2,690	4,352	71	29	81	7,166	7,192	4,179	5,029	3,804	51.8%	50.4%	47.3%	
28-Sep-02	12,678	154	0	171	1,138	1,175	1,157	14,141	2,200	2,698	4,445	66	35	92	7,265	7,084	4,676	4,908	3,835	50.3%	50.3%	47.0%	
29-Sep-02	12,758	154	0	173	1,131	1,168	1,157	14,216	2,150	1,990	4,369	75	35	77	6,475	6,848	5,591	4,947	3,895	44.5%	48.8%	45.7%	
30-Sep-02	12,252	154	0	192	1,180	1,174	1,161	13,778	2,150	2,495	4,315	81	0	86	6,977	6,771	4,651	4,863	3,921	49.4%	48.0%	45.6%	
<b>Total</b>	<b>408,587</b>	<b>4,620</b>	<b>0</b>	<b>6,130</b>	<b>34,677</b>	<b>34,650</b>	<b>34,411</b>	<b>454,014</b>	<b>78,950</b>	<b>125,984</b>	<b>128,131</b>	<b>2,361</b>	<b>1,784</b>	<b>2,753</b>	<b>257,444</b>	<b>257,559</b>	<b>117,620</b>	<b>110,938</b>	<b>100,029</b>	<b>1662.7%</b>	<b>1677.3%</b>	<b>1629.9%</b>	
<b>Average</b>	<b>13,620</b>	<b>154</b>	<b>0</b>	<b>204</b>	<b>1,156</b>	<b>1,155</b>	<b>1,147</b>	<b>15,134</b>	<b>2,632</b>	<b>4,199</b>	<b>4,271</b>	<b>79</b>	<b>59</b>	<b>92</b>	<b>8,581</b>	<b>8,585</b>	<b>3,921</b>	<b>3,698</b>		<b>55.4%</b>	<b>55.9%</b>	<b>54.3%</b>	

**SEPTEMBER 2002 CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR** RUN DATE: October 21, 2002  
**DAILY OPERATIONS**

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION C.F.S.	INCHES	PRECIP INCHES
		IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL				
		643,876									
1	415.09	647,920	+4,044	2,432	0	276	0	-116	131	.47	.00
2	415.79	653,960	+6,040	3,603	0	246	0	-312	140	.50	.00
3	416.09	656,555	+2,595	1,735	0	293	0	-134	182	.65	.00
4	416.27	658,114	+1,559	1,339	0	274	0	-279	190	.68	.00
5	416.53	660,368	+2,254	1,525	0	292	0	-96	155	.55	.00
6	416.77	662,451	+2,083	1,755	0	265	0	-440	126	.45	.00
7	416.72	662,017	-434	0	0	259	0	+40	107	.38	.00
8	416.86	663,233	+1,216	1,413	0	254	0	-547	101	.36	.00
9	417.17	665,929	+2,696	2,561	825	221	0	-156	126	.45	.00
10	417.55	669,239	+3,310	2,541	550	266	0	-56	119	.42	.00
11	418.09	673,953	+4,714	3,183	0	248	0	-559	116	.41	.00
12	418.78	679,995	+6,042	3,382	0	230	0	-106	156	.55	.00
13	419.22	683,858	+3,863	2,631	697	218	0	+231	162	.57	.00
14	419.47	686,057	+2,199	1,732	0	217	0	-407	99	.35	.00
15	420.21	692,581	+6,524	3,604	0	216	0	-98	123	.43	.00
16	420.22	692,669	+88	1,730	1,315	195	0	-175	128	.45	.00
17	420.58	695,851	+3,182	1,914	0	218	0	-92	112	.39	.00
18	420.70	696,913	+1,062	2,552	1,672	217	0	-127	123	.43	.00
19	421.33	702,498	+5,585	3,714	560	217	0	-121	109	.38	.00
20	421.63	705,163	+2,665	3,103	1,477	213	0	-70	115	.40	.00
21	421.14	700,812	-4,351	2,301	4,474	221	0	+201	152	.53	.00
22	420.82	697,975	-2,837	2,735	3,906	211	0	-48	146	.51	.00
23	420.66	696,559	-1,416	3,376	3,895	187	0	-8	109	.38	.00
24	420.80	697,798	+1,239	4,180	3,310	208	0	-38	123	.43	.00
25	420.84	698,153	+355	3,632	3,457	217	0	+221	115	.40	.00
26	420.63	696,293	-1,860	3,287	3,871	220	0	-134	146	.51	.00
27	420.58	695,851	-442	4,164	4,014	312	0	-62	126	.44	.00
28	420.37	693,994	-1,857	3,437	4,581	363	0	+571	83	.29	.00
29	420.13	691,874	-2,120	2,557	3,356	331	0	+62	48	.17	.00
30	419.74	688,435	-3,439	1,916	3,199	361	0	-90	97	.34	.00
<b>TOTALS</b>			<b>+44,559</b>	<b>78,034</b>	<b>45,159</b>	<b>7,466</b>	<b>0</b>	<b>-2,945</b>	<b>3,765</b>	<b>13.27</b>	<b>.00</b>
<b>ACRE-FEET</b>			<b>+44,559</b>	<b>154,780</b>	<b>89,573</b>	<b>14,809</b>	<b>0</b>	<b>-5,841</b>	<b>7,468</b>		

**SUMMARY**

	RELEASE (ACRE-FEET)			PRECIPITATION		
POWER	89,573	SPILL	0	THIS MONTH =	.00	
PACHECO TUNNEL	14,809	TOTAL	104,382	JULY 1, 2002 TO DATE =	.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

SEPTEMBER 2002

CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY  
DAILY OPERATIONS

RUN DATE: May 19, 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		
		50,939									
1	222.64	50,086	-853	2,049	0	5,752	0	2,432	5,668		-132
2	222.17	48,836	-1,250	2,159	0	5,598	0	3,603	4,433		-352
3	222.16	48,810	-26	2,248	0	4,587	0	1,735	5,007		-106
4	222.35	49,314	+504	2,045	0	3,485	0	1,339	4,549		+612
5	221.88	48,071	-1,243	1,836	0	3,854	0	1,525	4,022		-769
6	221.50	47,073	-998	1,612	0	4,024	0	1,755	4,540		+156
7	221.56	47,230	+157	1,797	0	3,177	0	0	4,581		-314
8	220.44	44,296	-2,934	2,233	0	3,866	0	1,413	6,155		-10
9	220.69	44,949	+653	2,126	825	4,889	0	2,561	4,276		-674
10	220.89	45,472	+523	1,966	550	5,167	0	2,541	4,385		-494
11	220.28	43,879	-1,593	1,874	0	4,946	0	3,183	4,140		-300
12	219.33	41,426	-2,453	1,870	0	4,600	0	3,382	4,463		+139
13	219.41	41,631	+205	2,058	697	4,338	0	2,631	4,396		+37
14	219.63	42,196	+565	2,121	0	4,876	0	1,732	5,152		+172
15	219.03	40,660	-1,536	1,983	0	5,513	0	3,604	4,673		+6
16	220.33	44,009	+3,349	1,882	1,315	4,282	0	1,730	4,160		+99
17	220.14	43,515	-494	1,650	0	3,868	0	1,914	3,897		+44
18	221.36	46,705	+3,190	1,565	1,672	4,491	0	2,552	4,065		+497
19	219.64	42,222	-4,483	1,599	560	3,364	0	3,714	4,048		-21
20	219.58	42,067	-155	1,924	1,477	3,554	0	3,103	4,011		+80
21	220.78	45,184	+3,117	2,038	4,474	2,600	0	2,301	5,124		-116
22	221.10	46,023	+839	2,040	3,906	2,524	0	2,735	5,196		-116
23	222.15	48,783	+2,760	2,029	3,895	2,474	0	3,376	3,741		+111
24	221.54	47,178	-1,605	1,894	3,310	2,296	0	4,180	4,009		-120
25	221.42	46,863	-315	1,818	3,457	2,188	0	3,632	3,982		-8
26	221.52	47,125	+262	1,782	3,871	2,465	0	3,287	4,591		-108
27	221.27	46,469	-656	1,726	4,014	1,864	0	4,164	4,301		+530
28	220.44	44,296	-2,173	1,800	4,581	2,558	0	3,437	6,119		-477
29	219.72	42,428	-1,868	1,937	3,356	1,789	0	2,557	5,174		-293
30	220.61	44,740	+2,312	1,935	3,199	2,290	0	1,916	4,223		+272
<b>TOTALS</b>			<b>-6,199</b>	<b>57,596</b>	<b>45,159</b>	<b>111,279</b>	<b>0</b>	<b>78,034</b>	<b>137,081</b>		<b>-1,655</b>
<b>ACRE-FEET</b>			<b>-6,199</b>	<b>114,242</b>	<b>89,573</b>	<b>220,722</b>	<b>0</b>	<b>154,780</b>	<b>271,900</b>	<b>776</b>	<b>-3,283</b>

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

SUMMARY  
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	271,900		
SAN LUIS PUMP	154,780	DELIVERIES	776	TOTAL	427,456

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

SEPTEMBER 2002

FEDERAL-STATE OPERATIONS  
 SAN LUIS UNIT

RUN DATE: May 19, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS						PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	FED	STATE	GENER TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	11,329	81	11,410	4,064	0	4,064	0	0	4,823	4,823	0	0	0	548	3,064	8,178	11,242
2	11,067	37	11,104	4,283	0	4,283	0	204	6,942	7,146	0	0	0	487	3,059	5,734	8,793
3	9,099	0	9,099	4,459	0	4,459	0	696	2,746	3,442	0	0	0	582	3,011	6,920	9,931
4	6,912	0	6,912	4,057	0	4,057	0	738	1,917	2,655	0	0	0	543	2,437	6,586	9,023
5	7,644	0	7,644	3,641	0	3,641	0	723	2,301	3,024	0	0	0	580	2,410	5,568	7,978
6	7,981	0	7,981	3,198	0	3,198	0	0	3,481	3,481	0	0	0	525	2,426	6,579	9,005
7	6,301	0	6,301	3,565	0	3,565	0	0	0	0	0	0	0	514	2,421	6,666	9,087
8	7,588	81	7,669	4,429	0	4,429	0	2,874	-71	2,803	0	0	0	503	1,051	11,158	12,209
9	7,654	2,044	9,698	4,217	0	4,217	0	5,236	-156	5,080	0	1,636	1,636	438	981	7,500	8,481
10	8,266	1,983	10,249	3,900	0	3,900	0	5,156	-115	5,041	0	1,091	1,091	528	1,001	7,696	8,697
11	8,006	1,805	9,811	3,717	0	3,717	0	6,470	-156	6,314	0	0	0	491	820	7,392	8,212
12	7,320	1,805	9,125	3,709	0	3,709	0	6,899	-190	6,709	0	0	0	456	806	8,047	8,853
13	6,800	1,805	8,605	4,083	0	4,083	0	5,289	-71	5,218	0	1,382	1,382	432	803	7,917	8,720
14	7,866	1,805	9,671	4,207	0	4,207	0	3,555	-119	3,436	0	0	0	430	810	9,409	10,219
15	9,138	1,798	10,936	3,933	0	3,933	0	7,268	-120	7,148	0	0	0	429	879	8,390	9,269
16	6,689	1,805	8,494	3,732	0	3,732	0	3,522	-91	3,431	0	2,609	2,609	387	784	7,468	8,252
17	5,867	1,805	7,672	3,272	0	3,272	0	3,917	-120	3,797	0	0	0	432	794	6,935	7,729
18	5,119	3,788	8,907	3,104	0	3,104	0	5,169	-108	5,061	0	3,317	3,317	431	862	7,201	8,063
19	2,884	3,788	6,672	3,171	0	3,171	0	6,945	421	7,366	0	1,111	1,111	430	781	7,248	8,029
20	3,262	3,788	7,050	3,817	0	3,817	0	6,416	-262	6,154	0	2,929	2,929	422	784	7,172	7,956
21	1,370	3,788	5,158	4,043	0	4,043	0	4,676	-111	4,565	0	8,875	8,875	439	791	9,373	10,164
22	5,007	0	5,007	4,046	0	4,046	0	5,664	-239	5,425	0	7,747	7,747	419	0	10,306	10,306
23	840	4,067	4,907	4,024	0	4,024	0	6,969	-272	6,697	0	7,726	7,726	371	0	7,421	7,421
24	488	4,067	4,555	3,756	0	3,756	0	9,242	-951	8,291	0	6,565	6,565	412	0	7,951	7,951
25	272	4,067	4,339	3,606	0	3,606	0	7,885	-681	7,204	0	6,857	6,857	430	0	7,898	7,898
26	823	4,067	4,890	3,535	0	3,535	0	6,644	-125	6,519	0	7,678	7,678	436	0	9,107	9,107
27	-369	4,067	3,698	3,424	0	3,424	0	8,255	5	8,260	0	7,962	7,962	618	0	8,531	8,531
28	1,006	4,067	5,073	3,571	0	3,571	0	6,724	94	6,818	0	9,086	9,086	721	0	12,138	12,138
29	3,548	0	3,548	3,843	0	3,843	0	5,141	-70	5,071	0	6,656	6,656	657	0	10,262	10,262
30	3,442	1,101	4,543	3,838	0	3,838	0	3,872	-71	3,801	0	6,345	6,345	717	0	8,376	8,376

AQUEDUCT CHECK 12	O'NEILL PUMPING		O'NEILL GENERATION	SAN LUIS PUMPING			SAN LUIS GENERATION			PACHECO PUMPING	DOS AMIGOS	
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
220,728	114,244	0	154,780	89,572	14,808	271,902						
FEDERAL 57,509	FEDERAL 114,244	FEDERAL 0	FEDERAL 136,149	FEDERAL 0	FEDERAL 30,775	FEDERAL 241,127						
STATE 163,219	STATE 0	STATE 18,631	STATE 89,572	STATE 89,572	STATE 4,651	STATE 4,651						

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

SEPTEMBER 2002

FEDERAL-STATE OPERATIONS

RUN DATE: October 21, 2002

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE		BYRON BETHANY TOTAL	AQEDUCT CHECK 21		DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	DOS XVC		STATE	FED	
1	8,442	0	8,442	11,901	12,229	81	12,310	0	0	150	11,410	0	11,410	4,378
2	8,540	0	8,540	11,503	11,767	37	11,804	0	0	150	8,941	0	8,941	4,257
3	8,419	0	8,419	9,812	9,813	0	9,813	0	0	213	7,114	0	7,114	3,960
4	8,405	0	8,405	8,511	8,098	0	8,098	0	0	199	7,292	0	7,292	4,348
5	8,478	0	8,478	7,914	7,556	0	7,556	0	0	143	7,883	0	7,883	4,837
6	7,515	0	7,515	8,516	8,216	0	8,216	0	0	193	7,306	0	7,306	4,317
7	8,654	0	8,654	7,930	7,171	0	7,171	0	0	200	8,762	0	8,762	5,089
8	8,670	0	8,670	7,917	7,658	81	7,739	0	0	200	10,792	0	10,792	4,241
9	7,942	0	7,942	9,914	7,913	2,044	9,957	0	0	0	8,330	0	8,330	3,725
10	7,905	0	7,905	9,906	7,761	1,983	9,744	0	0	76	7,798	0	7,798	4,005
11	8,529	0	8,529	10,892	8,876	1,805	10,859	178	174	97	7,817	0	7,817	4,812
12	8,529	0	8,529	11,091	9,332	1,805	11,315	178	174	120	8,187	0	8,187	4,820
13	8,595	0	8,595	11,094	8,114	1,805	10,097	178	174	116	7,960	0	7,960	4,512
14	8,524	0	8,524	10,311	8,550	1,805	10,533	178	174	100	8,409	0	8,409	4,317
15	8,569	0	8,569	10,892	10,405	1,798	12,381	178	174	100	10,184	0	10,184	4,636
16	8,521	0	8,521	9,520	7,553	1,805	9,536	178	174	70	6,369	0	6,369	4,789
17	7,757	0	7,757	9,900	7,383	1,805	9,366	178	174	126	6,819	0	6,819	4,485
18	7,909	0	7,909	9,904	5,735	3,788	9,701	178	174	96	6,798	0	6,798	4,805
19	8,703	0	8,703	9,900	3,732	3,788	7,698	178	174	140	7,024	0	7,024	5,532
20	8,726	0	8,726	7,923	4,433	3,788	8,399	178	174	169	6,823	0	6,823	4,909
21	8,635	0	8,635	5,944	2,006	3,788	5,972	178	174	100	9,388	0	9,388	4,592
22	8,669	0	8,669	5,943	5,758	0	5,758	0	0	100	9,677	0	9,677	4,623
23	8,615	0	8,615	5,943	1,459	4,067	5,920	394	391	216	6,131	0	6,131	4,591
24	8,679	0	8,679	5,938	1,143	4,067	5,604	394	391	76	7,474	0	7,474	4,923
25	8,873	0	8,873	5,940	1,089	4,067	5,550	394	391	111	6,821	0	6,821	5,267
26	8,670	0	8,670	5,347	762	4,067	5,223	394	391	81	7,802	0	7,802	5,135
27	8,633	0	8,633	5,335	946	4,067	5,407	394	391	57	7,535	0	7,535	5,209
28	8,816	0	8,816	5,351	927	4,067	5,388	394	391	70	11,003	0	11,003	5,245
29	8,666	0	8,666	3,948	3,857	0	3,857	0	0	70	9,496	0	9,496	4,823
30	8,559	0	8,559	4,949	3,365	1,101	4,863	397	391	0	7,387	0	7,387	4,721
<b>TOTALS</b>	<b>254,147</b>	<b>0</b>	<b>254,147</b>	<b>249,889</b>	<b>183,607</b>	<b>57,509</b>	<b>245,835</b>	<b>4,719</b>	<b>4,651</b>	<b>3,539</b>	<b>244,732</b>	<b>0</b>	<b>244,732</b>	<b>139,903</b>

COMMENTS: ALL VALUES IN ACRE-FEET

- TOTAL TRACY: 09/06/02 - Reduction Requested from San Jose Police Dept.
- TOTAL TRACY: 09/09/02 - Reduction for Insulator Washing.
- TOTAL TRACY: 09/10/02 - Reduction for Insulator Washing & Relay Problem.
- TOTAL TRACY: 09/17/02 - Reduction for Bus work.
- TOTAL TRACY: 09/18/02 - Reduction for Bus work.
- FED BANKS: 09/01/02 - 81 af (41 cfs) is EWA Water.
- FED BANKS: 09/02/02 - 37 af (19 cfs) is EWA Water.
- FED BANKS: 09/08/02 - 81 af (41 cfs) is EWA Water.
- FED BANKS: 09/09/02 - 59 af (30 cfs) is EWA Water.
- FED BANKS: Total Sep 2002 EWA water pumped equals 258 af.  
Total Jul 43,824af, Aug 21,699 af & Sep 258 af EWA Water pumped equals 65,781 af.  
Total Sep 2002 CVP water pumped equals 50,000 af.  
Total Sep 2002 Level 4 Refuge water pumped equals 7,251 af.
- TOTAL BANKS: 09/01/02 - 1,133 af is CVC Article 55 Water for delivery to KCWA (1,133 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 09/02/02 - 1,133 af is CVC Article 55 Water for delivery to KCWA (1,133 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 09/03/02 - 1,133 af is CVC Article 55 Water for delivery to KCWA (1,133 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 09/04/02 - 723 af is CVC Article 55 Water for delivery to KCWA (732 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 09/20/02 - 218 af is CVC Article 55 Water for delivery to KCWA (218 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 09/21/02 - 218 af is CVC Article 55 Water for delivery to KCWA (218 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 09/22/02 - 397 af is CVC Article 55 Water for delivery to KCWA (397 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
09/23/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch

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

Table 20

SEPTEMBER 2002

FEDERAL-STATE OPERATIONS

RUN DATE: October 21, 2002

TOTAL BANKS: WD.  
TOTAL BANKS: 09/24/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
TOTAL BANKS: 09/25/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
TOTAL BANKS: 09/26/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
TOTAL BANKS: 09/27/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
TOTAL BANKS: 09/28/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
TOTAL BANKS: 09/29/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
TOTAL BANKS: 09/30/02 - 496 af is CVC Article 55 Water for delivery to KCWA (496 af) on behalf of Kern Tulare WD & Rag Gulch WD.  
FED BANKS XVC: 09/11/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/12/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/13/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/14/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/15/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/16/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/17/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/18/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/19/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/20/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/21/02 - 178 af is CVC Water for delivery of 174 af to San Luis WD on behalf of Kern-Tulare WD.  
FED BANKS XVC: 09/23/02 - 394 af is CVC Water for delivery of 391 af to San Luis WD on behalf of Kern-Tulare WD (18 af) and to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley (373 af).  
FED BANKS XVC: 09/24/02 - 394 af is CVC Water for delivery of 391 af to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley.  
FED BANKS XVC: 09/25/02 - 394 af is CVC Water for delivery of 391 af to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley.  
FED BANKS XVC: 09/26/02 - 394 af is CVC Water for delivery of 391 af to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley.  
FED BANKS XVC: 09/27/02 - 394 af is CVC Water for delivery of 391 af to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley.  
FED BANKS XVC: 09/28/02 - 394 af is CVC Water for delivery of 391 af to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley.  
FED BANKS XVC: 09/30/02 - 397 af is CVC Water for delivery of 391 af to AEWSD on behalf of Hills Valley, Tri Valley, Tulare Co, Lower Tule and Pixley.



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
<b>CANALS</b>													
Contra Costa	13049	9404	9967	14486	6768	24424	20276	5951					104325
Delta-Mendota	254400	199820	256707	127398	52580	150595	267309	266195					1575004
Actual Fed Dos Amigos	40075	84854	72021	82879	110301	180906	177454	NA					748490
Madera	0	0	0	3783	27261	11145	63589	42905					148683
Friant-Kern	11328	30796	29060	48191	87351	167312	169986	122791					666815
Corning	0	0	422	1745	2588	3632	3917	3578					15882
Folsom-South	1553	1553	1805	2289	2307	36181	2656	2594					50938
Sly Park - Camino Conduit	1097	908	774	1359	2204	2856	3685	3858					16741
Tehama-Colusa	0	1636	13446	19095	36871	59013	55502	37425					222988
<b>CACHUMA PROJECT</b>													
Tecolote Tunnel	1872	2225	2761	2875	3681	3397	3685	3597					24093
<b>KLAMATH PROJECT</b>													
"A" Canal Upper Klamath	0	0	NA	28420	27150	50840	55800	52190					214400
Klamath Drainage District	25120	7580	NA	11250	10002	11680	14700	15130					95462
Clear Lake Reservoir	0	0	NA	140	5730	7340	21110	9470					43790
Gerber Reservoir	0	0	NA	800	6400	8060	9180	8170					32610
Klamath River to Lost River	0	0	NA	6300	5000	21900	10450	3790					47440
<b>ORLAND PROJECT</b>													
Stony Creek	0	0	2432	15731	14641	18250	20608	18240					89902
South Canal	0	0	1682	10122	9526	12121	13892	12298					59641
North Canal	0	0	750	5609	5115	6129	6716	5942					30261
<b>SOLANO PROJECT</b>													
Putah South Canal	3319	2906	3669	17629	28007	36181	37450	31387					160548

**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
Arvin-Edison WSD	2900	3616	133	2414	9625	3720	2546	1289	7523				33766
Atwell Island WD	0	0	0	0	0	0	0	0	0				0
Delano-Earlimart ID	81	2459	8577	11882	16712	25850	26201	17597	10110				119469
Exeter ID	22	34	53	701	971	1845	2674	2742	2146				11188
City of Fresno	0	0	14	45	1652	24021	17203	17065	595				60595
County of Fresno SA #34	5	3	13	25	56	74	101	93	54				424
Fresno ID	11	131	0	0	0	200	0	4267	0				4609
Garfield WD	0	0	7	351	375	578	542	421	322				2596
Hills Valley ID	22	0	14	317	520	779	973	852	755				4232
International WD	0	108	0	116	162	212	289	261	208				1356
Ivanhoe ID	0	0	0	95	450	930	1406	1386	2229				6496
Kaweah Delta WCD	0	0	0	0	0	0	0	0	0				0
Kern County Water Agency	0	0	0	0	0	0	0	0	0				0
Kern-Tulare WD	162	355	1330	2534	3864	4923	3744	3461	3380				23753
Lewis Creek WD	0	0	0	0	0	12	27	41	24				104
Lindmore ID	0	0	227	1450	3929	6196	8303	8162	5795				34062
City of Lindsay	122	102	142	193	259	268	323	313	264				1986
Lindsay-Strathmore ID	0		373	2525	542	3508	4254	4103	3310				18615
Lower Tule River ID	824	396	0	0	13499	23213	26538	15405	0				79875
North-Kern WSD	0	0	0	0	0	0	0	0	0				0
City of Orange Cove	87	88	104	108	153	183	201	189	178				1291
Orange Cove ID	298	38	112	1811	3321	4758	6065	6027	4437				26867
Pixley ID	0	0	0	0	0	5151	8006	0	0				13157
Porterville ID	0	0	670	1000	2068	2702	3338	2492	935				13205
Rag Gulch WD	9	196	431	1013	1478	2195	1362	900	1364				8948
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0	0				0
Saucelito ID	11	259	1883	2143	2649	4379	5221	4459	2640				23644
Semitropic WSD	0	0	0	0	0	0	0	0	573				573
Shafter Wasco ID	1465	6869	2969	4791	5344	8286	8667	5687	3387				47465
Southern San Joaquin MUD	401	6254	7790	10291	12151	17940	19294	13285	8643				96049
Smallwood Vineyards	0	0	0	84	98	93	127	68	0				470
Stone Corral ID	70	6	68	823	977	1373	1835	1626	1115				7893
Strathmore PUD	30	24	29	41	51	67	75	72	57				446
Styro Tek, Inc.	0	1	1	1	2	2	0	0	0				7
Tea Pot Dome WD	0	48	0	358	765	1078	1233	1178	882				5542
Terra Bella ID	153	76	83	1414	2346	3175	3901	3773	2946				17867
Tri-Valley WD	0	0	0	0	55	222	319	420	280				1296
Tulare ID	0	5045	0	0	0	17598	12357	5026	573				40599
<b>Total</b>	<b>6673</b>	<b>26108</b>	<b>25023</b>	<b>46526</b>	<b>84074</b>	<b>165531</b>	<b>167125</b>	<b>122660</b>	<b>64725</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>708445</b>

\* 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
<b>MADERA CANAL</b>													
Chowchilla WD	0	0	0	0	0	16584	29774	21755	0				68113
Madera ID	0	0	0	1761	25557	25111	32083	13718	13452				111682
Soquel	0	0	0	0	0	0	0	8549	0				8549
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1761</b>	<b>25557</b>	<b>41695</b>	<b>61857</b>	<b>44022</b>	<b>13452</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>188344</b>
<b>MILLERTON LAKE</b>													
County of Madera	2	2	3	4	5	6	8	9	7				46
Fresno County # 18	5	5	7	12	18	19	6	24	16				112
Gravelly Ford WD	0	0	584	991	1834	878	1498	1140	1151				8076
<b>Total</b>	<b>7</b>	<b>7</b>	<b>594</b>	<b>1007</b>	<b>1857</b>	<b>903</b>	<b>1512</b>	<b>1173</b>	<b>1174</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8234</b>

\* 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				2401
Hughes, Melvin	0	26	0	0	0	33	25	12	0				96
James ID	0	1656	424	620	1182	7468	10447	9053	2231				33081
Laguna WD	0	0	0	0	0	0	0	0	0				0
Dudley & Indart	115	603	275	357	440	524	439	446	11				3210
Mid-Valley WD (no contract)	0	0	0	0	0	0	0	0	0				0
Reclamation 1606	0	0	74	50	99	111	66	55	0				455
Terra Linda (Goodman)	83	1093	631	502	752	1554	1823	1123	422				7983
Tranquility ID	0	4527	1474	1108	1500	7585	6676	3837	251				26958
Wilson, JW (no contract)	0	78	118	0	0	176	216	205	0				793
<b>Total</b>	<b>198</b>	<b>8418</b>	<b>3144</b>	<b>2809</b>	<b>4291</b>	<b>17898</b>	<b>20254</b>	<b>15038</b>	<b>2927</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74977</b>
<b>Exchange Contractors</b>													
Central California ID	<b>394</b>	<b>24818</b>	<b>33909</b>	<b>27895</b>	<b>45403</b>	71333	72020	64517	26035				366324
Columbia Canal Co	0	3604	5613	5909	6185	10150	11078	9261	3886				55686
Firebaugh Canal Co	952	2725	1548	3389	3700	4713	3950	3009	1533				25519
San Luis Canal Co	0	4287	13013	10968	12595	29580	31330	24816	8975				135564
<b>Total</b>	<b>1346</b>	<b>35434</b>	<b>54083</b>	<b>48161</b>	<b>67883</b>	<b>115776</b>	<b>118378</b>	<b>101603</b>	<b>40429</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>583093</b>
<b>Refuges</b>													
Grassland WD - 76.05L CCID #1-07-20-W1754	4836	10892	0	4938	0	6321	19038	9835	27259				83119
US F&WS - Kesterson #00-WC-20-1647	0	11952	411	2320	3305	0	0	847	0				18835
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	808	690	0	0	89	280	60	1096	6140				9163
State F&G - Water Fowl Dist #1-07-20-W19756	1013	3979	597	450	1044	1686	1343	1109	3865				15086
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	234	712	269	340	525	949	831	678	514				5052
<b>Total</b>	<b>6891</b>	<b>28225</b>	<b>1277</b>	<b>8048</b>	<b>4963</b>	<b>9236</b>	<b>21272</b>	<b>13565</b>	<b>37778</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131255</b>

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				2667
Broadview WD	428	1829	919	639	961	3016	2765	1375	190				12122
CCID (Abv CK 13)	61	641	1389	1568	2273	2499	2349	2470	1412				14662
CCID (Blw CK 13)	309	1100	7885	6806	22443	17579	19402	19393	75				94992
Centinella WD	0	0	0	0	0	0	0	0	0				0
China Island (76.05)	0	0	513	400	0	1086	650	369	0				3018
Del Puerto WD	56	1910	3106	9954	9960	15287	15864	11340	6135				73612
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0	0	0				0
Eagle Field WD	0	548	0	1	164	220	338	161	1				1433
Firebaugh Canal	192	2050	1701	1354	1679	8303	10320	7182	169				32950
Frietas Unit (76.05L)	0	0	720	845	355	382	254	0	0				2556
Mercy Springs WD	1	123	63	88	53	212	246	220	43				1049
Oro Loma WD	0	113	30	0	39	131	178	119	0				610
Panoche WD - Ag	51	341	344	372	636	1311	1741	1040	166				6002
Panoche WD - M&I	2	3	2	3	2	3	2	3	2				22
Patterson WD	0	0	55	313	911	874	1296	1085	805				5339
Plainview WD	0	13	30	482	474	632	654	643	374				3302
Salt Slough Unit (76.05L)	0	0	515	900	946	1154	977	783	0				5275
San Luis WD - Ag	355	1098	538	850	1022	2010	2244	1335	381				9833
San Luis WD - M&I	1	1	5	19	23	24	11	20	23				127
Tracy, City of	0	0	407	562	775	877	1042	1065	850				5578
West Side ID	6	0	0	0	112	270	430	252	0				1070
Widren	0	0	0	0	0	0	0	0	0				0
W. Stanislaus ID	0	984	2366	3913	3856	7458	9733	4428	2010				34748
F&G - Los Banos Ref. 76.05L	0	0	1090	301	826	1064	969	1000	0				5250
Volta Wildlife Mgmt Area	0	113	0	521	50	466	450	841	1639				4080
Grasslands -76.05L	4820	7408	0	1508	0	2906	6362	3981	15947				42932
Grasslands - Volta	402	427	0	1848	1163	2107	937	2024	6314				15222
F&S (Volta) Santa Fee Kest.	0	0	0	0	661	178	182	175	745				1941
F&S - Kesterson 76.05L	0	0	0	504	0	0	0	0	0				504
<b>Total DMC Deliveries</b>	<b>6684</b>	<b>18702</b>	<b>22377</b>	<b>33809</b>	<b>49450</b>	<b>70579</b>	<b>80644</b>	<b>61370</b>	<b>37281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>380896</b>
Oneill Net Pumped	225493	93737	153351	22779	(92264)	(68180)	13457	65449	114244				528066
DMC plus Oneill	232177	112439	175728	56588	(42814)	2399	94101	126819	151525	0	0	0	908962

\* 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
<b>SAN LUIS CANAL</b>													
City of Avenal	212	141	174	209	256	256	278	277	218				2021
Broadview WD	1	1	0	2	2	3	4	3	4				20
City of Coalinga	280	241	234	472	434	586	591	638	460				3936
City of Dos Palos	66	65	84	118	149	171	185	166	119				1123
City of Huron	43	46	47	124	109	122	131	121	83				826
Pacheco WD	1	1	50	326	2	1274	2750	1276	443				6123
Pacheco CCID Non-project (Hamburg)	327	707	944	719	2003	923	0	0	0				5623
Panoche WD	2602	4828	3684	3144	5159	9967	13562	7286	927				51159
San Luis WD	1066	5700	5801	5111	7152	11711	14240	7326	2000				60107
Westlands WD (Federal)	35134	74079	63941	75647	103758	167006	167011	104479	29857				820912
Phase I (Non-chargeable)	0	8	0	0	0	0	0	0	3				11
Fish & Game (Lateral 4)	1	1	1	1	1	1	1	1	1				9
Fish & Game (Lateral 6)	51	0	0	0	0	0	0	0	0				51
<b>Total</b>	<b>39784</b>	<b>85818</b>	<b>74960</b>	<b>85873</b>	<b>119025</b>	<b>192020</b>	<b>198753</b>	<b>121573</b>	<b>34115</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>951921</b>
<b>O'NEILL FOREBAY DELIVERIES</b>													
Oneill Forebay Wildlife	76	63	84	45	51	74	101	68	76				638
San Luis WD Ag	117	620	698	689	1233	1682	2112	1349	652				9152
San Luis M&I	28	22	32	44	53	62	70	69	48				428
VA Cemetary	2	2	3	7	6	7	10	8	6				51
<b>Total</b>	<b>223</b>	<b>707</b>	<b>817</b>	<b>785</b>	<b>1343</b>	<b>1825</b>	<b>2293</b>	<b>1494</b>	<b>782</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10269</b>
<b>CROSS VALLEY CANAL</b>													
Arvin Edison WSD	0	0	0	0	0	0	8317	0	2719				11036
Kern-Tulare	0	0	0	0	0	0	0	28582	10864				39446
Pixley ID	0	0	0	0	0	0	13763	26669	0				40432
Rag Gulch	0	0	0	0	0	0	0	0	0				0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22080</b>	<b>55251</b>	<b>13583</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90914</b>
<b>SAN FELIPE DIVISION</b>													
Santa Clara	8720	9306	9620	12225	13875	10587	11585	11903	10860				98681
San Benito	323	1360	285	1650	2401	3733	3742	3368	3948				20810
<b>Total</b>	<b>9043</b>	<b>10666</b>	<b>9905</b>	<b>13875</b>	<b>16276</b>	<b>14320</b>	<b>15327</b>	<b>15271</b>	<b>14808</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>119491</b>

\* 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				51684
Cortina WD	0	0	93	83	102	153	164	93	49				737
Davis WD	0	56	261	208	259	569	293	194	13				1853
Dunnigan WD	7	58	345	1595	2002	2948	3230	2334	1443				13962
4-M Water District	0	1	113	242	157	566	505	412	219				2215
GCID	0	0	2547	3237	3895	4700	4521	2988	1205				23093
Glenn Valley WD	0	13	39	73	207	111	110	171	35				759
Glide WD	0	0	161	1429	3265	3514	3234	2604	471				14678
Holthouse WD	0	0	53	99	287	329	350	254	162				1534
Kanawha WD	0	9	1438	4887	4157	7515	7068	4424	1745				31243
Kirkwood WD	0	0	0	85	119	209	219	235	123				990
La Grande WD	0	0	22	1011	813	1436	1129	789	183				5383
Myers-Marsh MWC	0	0	0	20	36	20	45	0	0				121
Orland-Artois WD	45	120	1859	6375	9707	13843	13968	9458	6090				61465
Westside WD	2	296	2187	4210	6693	9826	6705	4299	1811				36029
<b>Total</b>	<b>131</b>	<b>792</b>	<b>12172</b>	<b>29691</b>	<b>38929</b>	<b>56636</b>	<b>52436</b>	<b>36155</b>	<b>18804</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>245746</b>

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				1928
Anderson Cottonwood ID	0	0	0	6829	19825	19427	21483	20813	18382				106759
Andreotti, Arthur, et al	0	0	0	321	483	622	1648	559	80				3713
Baber, Jack, et	0	0	0	0	105	252	492	118	0				967
A&R Farms (Odysseus)	0	0	0	1	15	45	92	24	4				181
Cannel, Fred	0	0	0	154	320	181	33	38	170				896
Carter, Jane	0	0	0	0	0	227	295	185	0				707
Colusa Prop. Inc	0	0	0	0	0	354	143	37	0				534
Conaway Conservancy Group	0	0	0	1304	9545	10043	6675	5401	700				33668
Davis, Olive P, et al	0	0	0	3559	5144	6816	7439	4512	83				27553
Deseret Farms of Calif	0	0	0	58	168	258	222	83	0				789
Dommer, Elizabeth	0	0	0	0	2	2	2	0	2				8
Forry, David G, et al	0	0	0	133	196	358	386	322	120				1515
Forster, Rosemary	0	0	0	45	624	759	831	638	534				3431
Furlan Joint Venture (Area #1)	0	0	0	32	121	78	93	2	0				326
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0	0	0				0
Glenn-Colusa ID	0	0	0	102425	120489	153527	153764	114095	29529				673829
Griffin, J, et al	0	0	0	142	498	623	681	303	92				2339
Henle Family Limited Partnership	0	0	0	0	0	56	29	0	0				85
Hershey Land Co	0	0	0	0	0	0	0	0	0				0
Hiatt, Glenn	0	0	0	0	252	220	248	81	0				801
Hollins, Mariette B	0	0	0	65	131	235	263	179	18				891
Howald Farms	0	0	0	124	239	311	331	270	2				1277
King, Barbara	0	0	0	0	3	2	2	0	0				7
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	87	68	0	0	0				155
Lockett, William P.	0	0	0	0	0	0	0	0	0				0
Loma Cold Storage/J Micheli	0	0	0	441	1515	1606	180	232	0				3974
M&T Inc.	0	0	0	264	2405	1839	2028	2037	99				8672
MCM Properties, Inc	0	0	0	0	59	79	78	22	0				238
Maxwell ID	0	0	0	1146	2410	1706	0	0	0				5262
Meridan Farms WC	0	0	0	2224	5807	6618	7142	5490	629				27910
Natomas Central MWC	0	0	0	5104	19869	21247	21815	13026	6551				87612
O'Brien, Janice	0	0	0	229	4	111	181	130	3				658
Oji Bros. Farms Inc	0	0	0	52	576	867	581	332	0				2408
Oji, Mitsue Family PTN	0	0	0	134	689	1207	381	409	0				2820
Pelger Mutual WC	0	0	0	541	1444	1559	1195	709	0				5448
Pleasant Grove-Verona MWC	0	0	0	799	3576	4143	4279	3418	163				16378
Princeton,-Codora-Glenn ID	0	0	0	2381	10605	12648	13747	10136	2831				52348
Provident Irrigation District	0	0	0	8233	6130	12635	381	3315	38				30732
Reclamation Dist #108	0	0	0	14747	35339	40296	38707	20626	3721				153436
Reclamation Dist #1004	0	0	0	5502	11856	14845	15104	9213	3555				60075
Reynen, John, et al	0	0	0	378	1398	1643	1627	866	1				5913
River Garden Farms	0	0	0	146	3649	6097	5684	4180	1382				21138
Roberts Ditch Irrigation Co	0	0	0	408	558	786	981	737	128				3598
Sartain Mutual WC	0	0	0	38	446	354	404	227	0				1469
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	23	71	12	58	37	33				234
Spence, Ruth Ann	0	0	0	0	0	0	0	0	0				0
Sutter Mutual WC	0	0	0	15717	36609	40489	44184	35167	8039				180205
Swinford Tract Irrigation Co	0	0	0	0	29	27	6	22	0				84
Tarke, James, et al	0	0	0	0	36	43	37	32	5				153
Tisdale Irrigation & Drain	0	0	0	502	1497	1522	1950	1620	364				7455
Wallace Construction, Inc.	0	0	0	143	0	545	217	0	0				905
Wells, Joyce M	0	0	0	70	141	311	349	238	23				1132
Wilson Ranch Partnership	0	0	0	0	0	0	0	0	0				0
Windswept Land & Livestock Co.	0	0	0	214	505	374	194	4	0				1291
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>174628</b>	<b>305832</b>	<b>368632</b>	<b>357230</b>	<b>260304</b>	<b>77281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1543907</b>

\* 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
<b>Sacramento River</b>												
Shasta computed inflow	14182	9254	9551	7866	5759	3700	3475	3431	3151			
At Keswick	6960	4148	5292	5526	9346	12756	14603	10909	7690			
At Bend Bridge	15587	8270	8142	7098	10050	12824	14353	10963	7851			
At Vina Bridge	19635	8871	8917	7130	9294	11741	13463	9839	6811			
At Ord Ferry	22050	7441	7746	3278	5637	7332	9060	6094	3727			
At Colusa	20772	10171	10148	6353	7493	8520	9828	8125	6555			
Below Wilkins Slough	18180	10576	10620	6094	6679	7268	8691	7568	6802			
At Verona	34138	14345	15958	9478	9145	10217	14700	14141	10928			
Sacramento at "I" Street	36687	15849	18823	13036	11394	12326	17439	15661	12209			
<b>Miscellaneous Stations</b>												
Folsom computed inflow	3901	3822	4936	4573	3998	2217	1245	1297	1295			
American R at Nimbus Dam	1460	1503	2897	3640	2607	2665	3306	1944	1502			
Kings River at Pine Flat	95	602	1017	1618	3176	6039	5660	2036	268			
<b>San Joaquin River</b>												
At Friant Dam	93	95	124	159	176	189	231	208	208			
Near Vernalis	2920	2191	2411	2823	3032	1753	1597	1461	1468			
<b>Putah Creek</b>												
Berryessa computed inflow	1874	358	348	99	37	0	0	0	17			
Putah Creek - Lake Solano	45	16	34	47	43	43	43	34	20			
<b>Stanislaus River</b>												
New Melones computed inflow	1062	779	1440	1804	1639	935	783	743	725			
At Tulloch Dam	319	499	902	2184	2251	1965	2077	1804	1415			
At Orange Blossom	247	319	338	712	602	317	329	185	164			

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