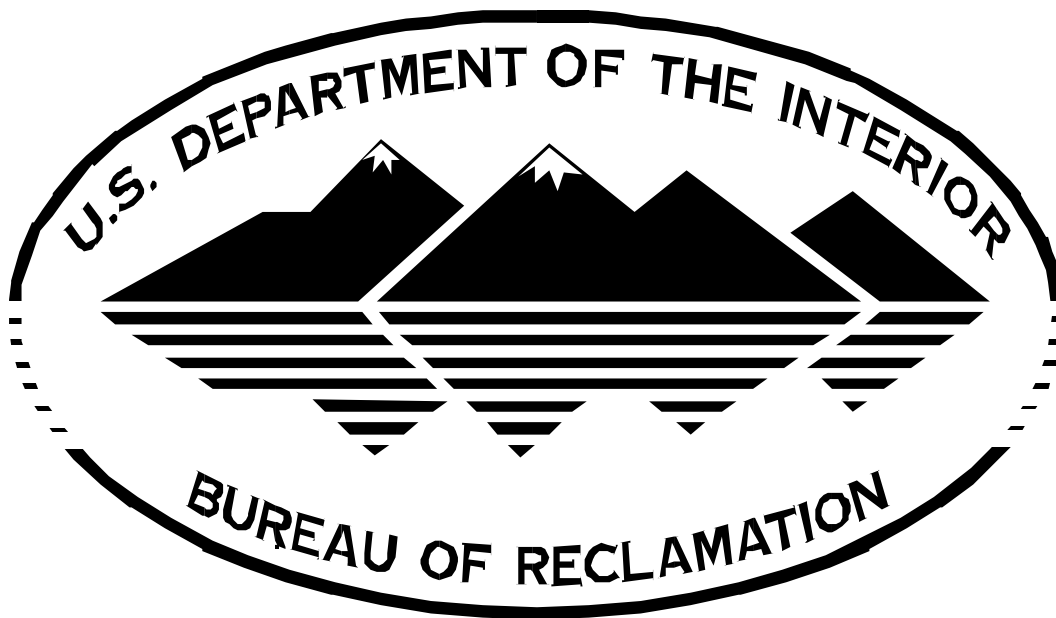


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



August 2002

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SUMMARY OF AUGUST 2002 OPERATIONS

Sacramento had an average monthly temperature of 76.3 °F which was .4 °F below normal. The average temperature at Shasta Dam was 80.5 °F which was .4 °F above normal and Huntington Lake was 2.1 °F below normal with an average temperature of 58.5 °F.

Trinity System: Storage in Trinity Lake decreased 163,500 acre-feet this month to 1,595,900 acre-feet, which is 65 percent of capacity and 98 percent of the 15 year average for this date. The total inflow for the month was 7,472 acre-feet. The Trinity River release was 450 ft³/s. Whiskeytown Lake was operated between elevations 1208.88 feet and 1209.36 feet with an end-of-month storage of 239,000 acre-feet. The releases to Clear Creek from Whiskeytown Dam ranged between 60 and 85 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 135,191 acre-feet.

Shasta-Keswick: Storage in Shasta Lake decreased 344,600 acre-feet for an end-of-month storage of 2,758,400 acre-feet, which is 61 percent of capacity and 106 percent of the 15 year average. The total inflow for the month was 210,971 acre-feet. The release to the Sacramento River at Keswick ranged between 7,500 and 13,500 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 63,700 acre-feet and had an end-of-month storage of 546,700 acre-feet, which is 56 percent of capacity and 106 percent of the 15 year average for this date. The total inflow for the month was 79,735 acre-feet. The release to the American River at Nimbus ranged between 1,500 and 2,500 ft³/s during the month.

New Melones: Storage in New Melones decreased 71,500 acre-feet for an end-of-month storage of 1,319,900 acre-feet or 55 percent of capacity and 109 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 200 to 250 ft³/s for the month. The total inflow for the month was 45,708 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on August 31, 2002, was 176,000 acre-feet compared to the storage a year ago of 245,000 acre-feet.

Friant: Storage in Millerton Lake decreased 72,560 acre-feet to 225,700 acre-feet. The total monthly inflow was 108,277 acre-feet. The release to the San Joaquin River at Friant varied between 203 and 221 ft³/s.

CVP Totals: The total diversions to CVP canals were 481,440 acre-feet. The August 31, 2002, storage in the 18 CVP reservoirs was 6,397,000 acre-feet compared to storage 1 year ago of 6,158,000 acre-feet.

Power: Gross power production for the CVP totaled 538,402,000 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	08/31/02	08/31/01	WATERSHED	RESERVOIR	TOTAL CAPACITY	08/31/02	08/31/01
KLAMATH	CLEAR LAKE *	526,800	118,930	151,370	AMERICAN	FOLSOM LAKE *CVP	1,010,300	546,700	430,530
	GERBER *	94,300	22,230	24,500		LAKE NATOMA *CVP	9,030	8,290	8,100
	UPR KLAMATH LK *	873,300	178,090	220,420	COSUMNES	JENKINSON LK *CVP	41,000	32,660	31,840
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,595,950	1,553,890	MOKELUMNE	CAMANCHE	431,500	247,470	208,400
	LEWISTON LAKE*CVP	14,660	14,290	13,610		PARDEE	210,000	191,550	193,470
	WHISKEYTOWN *CVP	241,100	239,050	237,770	SALT SPRINGS	140,000	102,670	58,590	
MCCLOUD	MCCLOUD DIV. RES	35,230	25,830	28,120	CALAVERAS	NEW HOGAN	317,100	138,060	133,480
PIT	IRON CANYON	24,240	14,970	15,040		NEW MELONES*CVP	2,420,000	1,319,880	1,538,300
	LAKE BRITTON	40,620	37,100	36,860		BEARDSLEY	97,800	69,530	36,540
	PIT NO. 6	15,890	14,840	13,590	STANISLAUS	DONNELLS	64,320	51,270	37,930
	PIT NO. 7	34,610	32,530	32,670	TULLOCH	67,000	65,700	65,230	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	2,758,420	2,389,560	TUOLUMNE	LAKE ELEANOR	26,100	23,540	23,260
	SPRING CREEK *CVP	5,900	840	980		LAKE LLOYD	268,000	233,570	232,240
	KESWICK *CVP	23,800	22,540	23,470		HETCH-HETCHY	360,400	302,830	285,260
	RED BLUFF DIV *CVP	3,920	3,940	3,930	NEW DON PEDRO	2,030,000	1,313,100	1,267,300	
FEATHER	OROVILLE	3,538,000	1,539,410	1,538,180	TURLOCK LAKE	49,000	30,300	30,840	
	THERMALITO DIV RES	13,500	12,930	NR	MERCED	EXCHEQUER	1,024,600	388,240	487,150
	THERMALITO FORE.	14,400	10,810	NR	CHOWCHILLA	BUCHANAN	150,000	10,490	23,400
	THERMALITO AFTER.	57,000	43,220	38,940	CRANE VALLEY	45,400	38,880	37,910	
STONY CREEK	LAKE ALMANOR	1,143,000	834,770	679,100	LAKE T.A. EDISON	125,000	65,300	56,360	
	EAST PARK *	50,900	8,210	32,020	FLORENCE LAKE	64,600	23,750	37,130	
	STONY GORGE *	50,000	28,980	28,990	SAN JOAQUIN	MAMMOTH POOL	122,700	63,640	47,180
PUTAH CREEK	BLACK BUTTE *CVP	143,700	44,550	46,980	HUNTINGTON LAKE	89,800	88,260	87,370	
	LAKE BERRYESSA *	1,602,300	1,318,640	1,295,070	REDINGER LAKE	35,000	24,300	24,190	
	LAKE SOLANO *	720	660	640	SHAVER LAKE	135,400	109,860	110,170	
YUBA	BULLARDS BAR	930,000	560,920	563,160	MILLERTON LK *CVP	520,500	225,690	193,730	
	SO. YUBA SYSTEM	146,000	71,950	51,190	FRESNO	HIDDEN	90,000	11,200	7,990
	NARROWS	70,000	67,300	69,660	SAN LUIS **CVP	2,040,600	643,880	760,040	
BEAR	ROLLINS	65,990	62,610	54,420	O'NEILL FORE.**CVP	56,400	50,940	43,910	
LITTLE TRUCKEE	STAMPEDE *	226,620	111,000	174,500	SAN LUIS	L BANOS RES**CVP	34,560	19,170	18,990
	BOCA *	41,140	39,100	8,600	LT PANOCHE **CVP	5,580	710	730	
PROSSER	PROSSER CREEK *	29,840	17,400	10,900	OIL CANYON	CONTRA LOMA *CVP	2,100	2,090	930
TRUCKEE	LAKE TAHOE *	732,000	131,200	326,900	KINGS	WISHON	128,300	73,770	58,300
	RYE PATCH *	190,000	11,400	24,400	PINE FLAT	1,001,500	121,820	278,140	
HUMBOLDT					KAWEAH	TERMINUS	143,000	9,860	5,730
CARSON	LAHONTAN *	317,280	118,000	140,200	TULE	SUCCESS	82,300	9,940	10,000
	TWIN LAKES	21,600	20,260	20,390	KERN	ISABELLA	588,100	101,220	125,560
	FRENCH MEADOWS	136,400	99,000	59,720	CUYAMA	TWITCHHELL *	240,100	5,160	5,160
AMERICAN	HELL HOLE	207,590	125,210	51,100	SANTA YNEZ	LAKE CACHUMA *	190,500	135,510	177,380
	LOON LAKE	76,500	65,350	57,370	COYOTE	LAKE CASITAS *	254,000	201,620	229,740
	ICE HOUSE	46,000	40,830	29,970	TOTAL - 85 RESERVOIRS	33,790,040	17,793,010	17,565,490	
	UNION VALLEY	277,300	212,790	93,120	TOTAL - 36 RESERVOIRS	18,992,650	9,975,720	10,148,080	
	SLAB CREEK	16,600	14,540	15,690	TOTAL - 18 RESERVOIRS	13,572,850	7,529,590	7,297,290	

** - 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					1,428,391
Net	128954	72134	112155	119468	215616	270048	304743	202465					1,425,583
Keswick													
Gross	31833	18594	23732	23449	42561	54934	64491	49092					308,686
Net	31683	18464	23586	23324	42428	54801	64350	48954					307,590
Trinity													
Gross	546	6291	8344	21635	78785	58117	60993	59135					293,846
Net	481	6143	8181	21496	78642	57992	60868	59018					292,821
JF Carr													
Gross	368	739	1570	19887	19787	55536	69635	69937					237,459
Net	240	598	1436	19832	19734	55454	69539	69850					236,683
Spring Creek PP													
Gross	33762	11434	8659	2034	21040	53176	67864	67429					265,398
Net	33624	11359	8577	1966	20979	53072	67741	67319					264,637
Folsom													
Gross	22501	21996	48677	62731	46760	46912	57358	32050					338,985
Net	22249	21793	48489	62559	46587	46738	57158	31837					337,410
Nimbus													
Gross	2602	2923	5958	7500	5623	5297	7111	4223					41,237
Net	2584	2902	5936	7480	5603	5277	7092	4214					41,088
New Melones													
Gross	4972	10484	23726	63176	61744	52164	55873	47771					319,910
Net	4864	10386	23618	63054	61617	52053	55754	47656					319,002
O'Neill													
Gross	0	0	0	1147	3037	2448	31	0					6,663
Net	0	0	0	1108	2934	2375	19	0					6,436
Fed San Luis													
Out Meter	0	0	1728	23275	0	53476	18928	5990					103,397
Gross Generation	225,974	144,986	234,868	344,669	495,288	652,423	707,362	538,402	0	0	0	0	3,343,972
Net Generation	224,679	143,779	233,706	343,562	494,140	651,286	706,192	537,303	0	0	0	0	3,334,647
Stampede (Gross)													
	327	529	1,500	2,100	2,176	1,812	843	291					9,578
Stampede (Net)	299	505	1,473	2,076	2,156	1,796	830	281					9,416
<u>Energy in mwh</u>													
Tracy													
Tot Energy	59504	46477	59914	29204	11716	34516	62001	60123					363,455
Fed Off-Pk	28189	21469	28350	13551	5577	16371	29433	28184					171,124
O'Neill													
Tot Energy	13372	5568	9108	3297	0	224	911	3995					36,475
Fed Off-Pk	6419	2652	4324	1501	0	85	416	1810					17,207
San Luis													
Fed Energy	69662	15015	18369	4898	114	63	78	864					109,063
Fed Off-Pk	56537	14970	17559	1203	114	63	63	819					91,328
Dos Amigos													
Fed Energy	4303	12059	11952	11333	13767	25629	24536	19673					123,252
Fed Off-Pk	3708	8174	8202	7898	9087	14304	14574	58893					124,840
Banks - Fed													
Fed Energy	0	0	0	0	0	0	13018	6444					19,462
Fed Off-Pk	0	0	0	0	0	0	3193	1479					4,672
Total Energy	146,841	79,119	99,343	48,732	25,597	60,432	100,544	91,099	0	0	0	0	651,707
Total Fed Off-Pk	94,853	47,265	58,435	24,153	14,778	30,823	47,679	91,185	0	0	0	0	409,171

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

Table 3

AUGUST 2002

SHASTA LAKE DAILY OPERATIONS

RUN DATE: September 23, 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			
		3,102.9								
1	1,011.55	3,087.4	-15.5	3,512	11,020	0	0	306	.45	.00
2	1,010.84	3,071.0	-16.4	2,951	10,951	0	0	257	.38	.00
3	1,010.08	3,053.6	-17.5	3,129	11,668	0	0	263	.39	.00
4	1,009.38	3,037.6	-16.0	3,575	11,444	0	0	202	.30	.00
5	1,008.67	3,021.4	-16.2	3,589	11,335	0	0	415	.62	.00
6	1,007.94	3,004.8	-16.6	3,282	11,458	0	0	187	.28	.00
7	1,007.29	2,990.1	-14.7	3,942	11,187	0	0	166	.25	.00
8	1,006.66	2,975.9	-14.2	3,795	10,746	0	0	212	.32	.00
9	1,006.10	2,963.3	-12.6	3,927	9,988	0	0	291	.44	.00
10	1,005.52	2,950.3	-13.0	3,842	10,129	0	0	263	.40	.00
11	1,004.91	2,936.7	-13.6	3,451	9,934	0	0	394	.60	.00
12	1,004.28	2,922.6	-14.0	3,503	10,410	0	0	164	.25	.00
13	1,003.67	2,909.1	-13.5	3,427	9,986	0	0	267	.41	.00
14	1,003.03	2,894.9	-14.2	3,338	10,189	0	0	293	.45	.00
15	1,002.45	2,882.2	-12.8	3,616	9,760	0	0	298	.46	.00
16	1,001.92	2,870.5	-11.7	4,265	9,946	0	0	200	.31	.00
17	1,001.41	2,859.3	-11.2	3,608	8,944	0	0	297	.46	.00
18	1,000.84	2,846.8	-12.5	2,808	8,915	0	0	180	.28	.00
19	1,000.29	2,834.9	-12.0	3,142	8,992	0	0	192	.30	.00
20	999.77	2,823.6	-11.3	3,072	8,597	0	0	179	.28	.00
21	999.33	2,814.0	-9.6	3,293	7,911	0	0	198	.31	.00
22	998.96	2,806.0	-8.0	3,101	7,041	0	0	108	.17	.00
23	998.73	2,801.0	-5.0	2,987	5,294	0	0	197	.31	.00
24	998.54	2,796.9	-4.1	3,663	5,522	0	0	210	.33	.00
25	998.35	2,792.8	-4.1	3,535	5,223	0	0	381	.60	.00
26	998.16	2,788.7	-4.1	3,401	5,407	0	0	63	.10	.00
27	997.83	2,781.6	-7.1	3,347	6,772	0	0	158	.25	.00
28	997.54	2,775.4	-6.2	4,300	7,156	0	0	284	.45	.00
29	997.25	2,769.1	-6.2	3,317	6,451	0	0	6	.01	.00
30	997.04	2,764.6	-4.5	3,473	5,470	0	0	277	.44	.00
31	996.75	2,758.4	-6.2	2,172	5,297	0	0	0	.00	.00
TOTALS			-344.6	106,363	273,143	0	0	6,908	10.60	.00
ACRE-Feet			-344,600	210,971	541,779	0	0	13,702		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	541,779	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	541,779	JULY 1, 2002 TO DATE =	.00

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

Table 4

AUGUST 2002

TRINITY LAKE DAILY OPERATIONS

RUN DATE: September 23, 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)	
		1,759.7								
1	2,323.25	1,754.4	-5.3	62	2,659	0	0	90	.23	.00
2	2,322.84	1,748.9	-5.5	40	2,664	0	0	125	.32	.00
3	2,322.40	1,743.1	-5.8	7	2,856	0	0	94	.24	.00
4	2,321.95	1,737.1	-6.0	13	2,900	0	0	121	.31	.00
5	2,321.48	1,730.9	-6.2	2	3,100	0	0	31	.08	.00
6	2,321.08	1,725.6	-5.3	26	2,580	0	0	109	.28	.00
7	2,320.69	1,720.5	-5.1	193	2,679	0	0	101	.26	.00
8	2,320.32	1,715.6	-4.9	272	2,616	0	0	108	.28	.00
9	2,319.96	1,710.9	-4.7	376	2,652	0	0	108	.28	.00
10	2,319.62	1,706.4	-4.4	453	2,577	0	0	119	.31	.00
11	2,319.26	1,701.7	-4.7	387	2,631	0	0	131	.34	.00
12	2,318.87	1,696.6	-5.1	159	2,600	0	0	127	.33	.00
13	2,318.47	1,691.4	-5.2	101	2,611	0	0	115	.30	.00
14	2,318.06	1,686.1	-5.3	19	2,584	0	0	126	.33	.00
15	2,317.66	1,680.9	-5.2	63	2,550	0	0	126	.33	.00
16	2,317.25	1,675.6	-5.3	36	2,595	0	0	118	.31	.00
17	2,316.86	1,670.6	-5.0	33	2,460	0	0	114	.30	.00
18	2,316.44	1,665.2	-5.4	75	2,693	0	0	110	.29	.00
19	2,316.02	1,659.7	-5.4	32	2,658	0	0	102	.27	.00
20	2,315.61	1,654.5	-5.3	127	2,683	0	0	94	.25	.00
21	2,315.21	1,649.4	-5.1	127	2,621	0	0	90	.24	.00
22	2,314.77	1,643.7	-5.6	44	2,796	0	0	83	.22	.00
23	2,314.36	1,638.5	-5.2	111	2,652	0	0	94	.25	.00
24	2,313.95	1,633.3	-5.2	128	2,669	0	0	93	.25	.00
25	2,313.53	1,628.0	-5.3	23	2,608	0	0	101	.27	.00
26	2,313.12	1,622.8	-5.2	84	2,624	0	0	82	.22	.00
27	2,312.70	1,617.5	-5.3	58	2,637	0	0	97	.26	.00
28	2,312.32	1,612.7	-4.8	221	2,519	0	0	119	.32	.00
29	2,311.92	1,607.6	-5.0	207	2,642	0	0	107	.29	.00
30	2,311.50	1,602.3	-5.3	67	2,624	0	0	100	.27	.00
31	2,310.99	1,595.9	-6.4	221	3,356	0	0	92	.25	.00
TOTALS			-163.5	3,767	83,096	0	0	3,227	8.48	.00
ACRE-FEET			-163,500	7,472	164,821	0	0	6,401		

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	164,821	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	164,821	JULY 1, 2002 TO DATE =	.00

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

Table 5

AUGUST 2002

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: September 23, 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.			EVAP. C.F.S.	PRECIP INCHES	
							TO CLEAR CR (1) OUTLETS	SPILL	TO SPRING CR. PP			
		238.3										
1	1,209.11	238.2	+0.0	2,351	2,285	66	85	0	2,246	36	.38	.00
2	1,209.08	238.2	-0.1	2,132	2,082	50	85	0	2,059	36	.38	.00
3	1,209.19	238.5	+0.4	2,333	2,308	25	85	0	2,041	30	.32	.00
4	1,209.25	238.7	+0.2	2,288	2,247	41	85	0	2,086	20	.21	.00
5	1,209.12	238.3	-0.4	2,204	2,170	34	85	0	2,312	17	.18	.00
6	1,208.96	237.8	-0.5	2,172	2,149	23	85	0	2,326	19	.20	.00
7	1,209.00	237.9	+0.1	2,188	2,138	50	85	0	2,016	23	.25	.00
8	1,209.06	238.1	+0.2	2,241	2,174	67	85	0	2,031	28	.30	.00
9	1,209.34	239.0	+0.9	2,299	2,261	38	85	0	1,734	28	.30	.00
10	1,209.18	238.5	-0.5	2,268	2,209	59	85	0	2,411	30	.32	.00
11	1,209.14	238.3	-0.1	2,208	2,143	65	85	0	2,165	23	.24	.00
12	1,209.16	238.4	+0.1	2,267	2,201	66	85	0	2,122	28	.30	.00
13	1,209.14	238.3	-0.1	2,204	2,146	58	85	0	2,120	31	.33	.00
14	1,209.13	238.3	+0.0	2,200	2,148	52	85	0	2,099	32	.34	.00
15	1,209.09	238.2	-0.1	2,174	2,142	32	85	0	2,128	26	.28	.00
16	1,209.04	238.0	-0.2	2,180	2,130	50	85	0	2,146	30	.32	.00
17	1,208.88	237.5	-0.5	2,179	2,132	47	85	0	2,327	24	.26	.00
18	1,208.98	237.8	+0.3	2,005	1,971	34	85	0	1,737	23	.25	.00
19	1,208.99	237.9	+0.0	2,155	2,137	18	85	0	2,028	26	.28	.00
20	1,209.10	238.2	+0.4	2,204	2,166	38	85	0	1,924	18	.19	.00
21	1,209.08	238.2	-0.1	2,183	2,156	27	85	0	2,112	18	.19	.00
22	1,209.19	238.5	+0.4	2,385	2,328	57	80	0	2,102	26	.28	.00
23	1,209.08	238.2	-0.4	2,309	2,149	160	64	0	2,401	21	.22	.00
24	1,209.05	238.1	-0.1	2,155	2,147	8	60	0	2,129	14	.15	.00
25	1,209.03	238.0	-0.1	2,278	2,223	55	60	0	2,224	26	.28	.00
26	1,209.08	238.2	+0.2	2,275	2,233	42	60	0	2,110	24	.26	.00
27	1,208.90	237.6	-0.6	2,088	2,070	18	64	0	2,287	26	.28	.00
28	1,208.99	237.9	+0.3	2,316	2,247	69	75	0	2,071	26	.28	.00
29	1,209.03	238.0	+0.1	2,253	2,176	77	78	0	2,081	29	.31	.00
30	1,209.08	238.2	+0.2	2,203	2,124	79	70	0	2,026	26	.28	.00
31	1,209.36	239.0	+0.9	3,001	2,966	35	70	0	2,452	27	.29	.00
TOTALS			+0.9	69,698	68,158	1,540	2,466	0	66,053	791	8.45	.00
ACRE-FEET			+0.9	138,246	135,191	3,055	4,891	0	131,016	1,569		

* 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	131,016	OUTLET	4,891	THIS MONTH	.00
SPILL	0	TOTAL	135,907	JULY 1, 2002 TO DATE	.00

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

Table 6

AUGUST 2002

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: September 23, 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
		14,307								
1	1,901.40	14,210	-97	2,691	80	250	120	2,285	5	.23
2	1,901.77	14,487	+277	2,679	80	250	120	2,082	7	.32
3	1,901.09	13,978	-509	2,506	80	250	120	2,308	5	.24
4	1,901.15	14,023	+45	2,727	80	250	120	2,247	7	.31
5	1,901.21	14,068	+45	2,647	80	250	120	2,170	4	.08
6	1,901.22	14,076	+8	2,609	80	250	120	2,149	6	.28
7	1,901.56	14,330	+254	2,722	80	250	120	2,138	6	.26
8	1,901.54	14,315	-15	2,622	80	250	120	2,174	6	.28
9	1,901.44	14,240	-75	2,679	80	250	120	2,261	6	.28
10	1,901.11	13,993	-247	2,541	80	250	120	2,209	7	.31
11	1,901.26	14,105	+112	2,656	80	250	120	2,143	7	.34
12	1,901.28	14,120	+15	2,666	80	250	120	2,201	7	.33
13	1,901.33	14,158	+38	2,622	80	250	120	2,146	7	.30
14	1,901.27	14,113	-45	2,582	80	250	120	2,148	7	.33
15	1,901.23	14,083	-30	2,584	80	250	120	2,142	7	.33
16	1,901.02	13,926	-157	2,508	80	250	120	2,130	7	.31
17	1,900.81	13,771	-155	2,511	80	250	120	2,132	7	.30
18	1,901.25	14,098	+327	2,592	80	250	120	1,971	6	.29
19	1,901.28	14,120	+22	2,604	80	250	120	2,137	6	.27
20	1,901.45	14,248	+128	2,686	80	250	120	2,166	5	.25
21	1,901.59	14,352	+104	2,664	80	250	120	2,156	6	.24
22	1,901.48	14,270	-82	2,742	80	250	120	2,328	5	.22
23	1,901.37	14,188	-82	2,563	80	250	120	2,149	5	.25
24	1,901.54	14,315	+127	2,666	80	250	120	2,147	5	.25
25	1,901.41	14,218	-97	2,630	80	250	120	2,223	6	.27
26	1,901.32	14,150	-68	2,654	80	250	120	2,233	5	.22
27	1,901.78	14,494	+344	2,699	80	250	120	2,070	6	.26
28	1,901.35	14,173	-321	2,542	80	250	120	2,247	7	.32
29	1,901.44	14,240	+67	2,666	80	250	120	2,176	6	.29
30	1,901.61	14,367	+127	2,644	80	250	120	2,124	6	.27
31	1,901.50	14,285	-82	3,380	80	250	120	2,966	5	.25
TOTALS			-22	82,284	2,480	7,750	3,720	68,158	187	8.48
ACRE-FEET			-22	163,210	4,919	15,372	7,379	135,191	371	

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

(1) OUTLET RELEASE INCLUDES THE CONTINUOUS FISH RELEASE OF 75 C.F.S.

(2) INCHES OF EVAPORATION TAKEN FROM PAN AT TRINITY RIVER HATCHERY

SUMMARY

	RELEASE (ACRE-FEET)		
TOTAL POWER	4,919	JUDGE FRANCIS CARR POWERPLANT	135,191
TOTAL RIVER	27,670	TOTAL RELEASE	162,861

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

Table 7

AUGUST 2002

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: September 23, 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	
		825								
1	708.75	826	+1	1	0	0				
2	708.77	827	+1	1	0	0				
3	708.79	827	+0	0	0	0				
4	708.87	829	+2	1	0	0				
5	708.90	830	+1	1	0	0				
6	708.89	830	+0	0	0	0				
7	708.91	830	+0	0	0	0				
8	708.98	832	+2	1	0	0				
9	709.00	833	+1	1	0	0				
10	709.01	833	+0	0	0	0				
11	709.01	833	+0	0	0	0				
12	709.01	833	+0	0	0	0				
13	709.01	833	+0	0	0	0				
14	709.01	833	+0	0	0	0				
15	709.01	833	+0	0	0	0				
16	709.01	833	+0	0	0	0				
17	709.01	833	+0	0	0	0				
18	709.02	834	+1	1	0	0				
19	709.02	834	+0	0	0	0				
20	709.02	834	+0	0	0	0				
21	709.02	834	+0	0	0	0				
22	709.02	834	+0	0	0	0				
23	709.03	834	+0	0	0	0				
24	709.04	834	+0	0	0	0				
25	709.06	835	+1	1	0	0				
26	709.06	835	+0	0	0	0				
27	709.06	835	+0	0	0	0				
28	709.07	835	+0	0	0	0				
29	709.08	835	+0	0	0	0				
30	709.10	836	+1	1	0	0				
31	709.13	837	+1	1	0	0				
TOTALS			+12	10	0	0				
ACRE-FEET			+12	20	0	0				

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)	
SPILL	0
OUTLET	0
TOTAL	0

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

Table 8

AUGUST 2002

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: September 23, 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)
		22,445								
1	584.54	22,223	-222	13,516	2,246	11,020	13,620	0	0	8
2	584.21	22,020	-203	13,402	2,059	10,951	13,497	0	0	7
3	584.92	22,458	+438	13,728	2,041	11,668	13,500	0	0	7
4	584.29	22,069	-389	13,310	2,086	11,444	13,501	0	0	5
5	584.35	22,106	+37	13,533	2,312	11,335	13,503	0	0	11
6	584.39	22,131	+25	13,508	2,326	11,458	13,490	0	0	5
7	584.29	22,069	-62	12,994	2,016	11,187	13,020	0	0	5
8	584.08	21,939	-130	12,490	2,031	10,746	12,550	0	0	6
9	582.74	21,128	-811	11,649	1,734	9,988	12,050	0	0	8
10	583.16	21,380	+252	12,176	2,411	10,129	12,042	0	0	7
11	583.35	21,495	+115	12,100	2,165	9,934	12,031	0	0	11
12	584.02	21,902	+407	12,233	2,122	10,410	12,023	0	0	5
13	583.18	21,392	-510	11,797	2,120	9,986	12,047	0	0	7
14	583.48	21,574	+182	12,135	2,099	10,189	12,035	0	0	8
15	584.14	21,976	+402	11,772	2,128	9,760	11,561	0	0	8
16	584.99	22,501	+525	11,796	2,146	9,946	11,525	0	0	6
17	584.70	22,322	-179	10,967	2,327	8,944	11,049	0	0	8
18	584.89	22,439	+117	11,122	1,737	8,915	11,058	0	0	5
19	583.80	21,769	-670	10,723	2,028	8,992	11,056	0	0	5
20	584.53	22,217	+448	10,380	1,924	8,597	10,149	0	0	5
21	584.85	22,414	+197	9,713	2,112	7,911	9,608	0	0	6
22	585.56	22,859	+445	9,188	2,102	7,041	8,961	0	0	3
23	584.82	22,396	-463	7,890	2,401	5,294	8,117	0	0	6
24	585.52	22,834	+438	8,071	2,129	5,522	7,844	0	0	6
25	584.73	22,340	-494	7,609	2,224	5,223	7,847	0	0	11
26	583.65	21,678	-662	7,766	2,110	5,407	8,098	0	0	2
27	584.02	21,902	+224	9,330	2,287	6,772	9,212	0	0	5
28	584.28	22,063	+161	9,607	2,071	7,156	9,518	0	0	8
29	584.71	22,328	+265	8,722	2,081	6,451	8,588	0	0	0
30	584.54	22,223	-105	7,533	2,026	5,470	7,578	0	0	8
31	585.05	22,538	+315	7,668	2,452	5,297	7,509	0	0	0
TOTALS			+93	338,428	66,053	273,143	338,187	0	0	192
ACRE-FEET			+93	671,272	131,016	541,779	670,794	0	0	381

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

SUMMARY
RELEASE (ACRE-FEET)

POWER	670,794
SPILL	0
FISH TRAP	0

AUGUST 2002

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: September 23, 2002

DAY	ELEVATION	STORAGE ACRE-FEET		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		3,919				
1	252.50	3,924	+5	108	752	12,030
2	252.53	3,938	+14	56	853	12,630
3	252.51	3,928	-10	75	741	11,910
4	252.53	3,938	+10	55	677	12,270
5	252.54	3,943	+5	40	687	12,750
6	252.51	3,928	-15	48	684	12,990
7	252.52	3,933	+5	48	824	12,990
8	252.50	3,924	-9	47	768	12,270
9	252.50	3,924	+0	71	960	11,070
10	252.50	3,924	+0	59	791	10,230
11	252.51	3,928	+4	71	593	10,830
12	252.55	3,948	+20	50	453	11,190
13	252.49	3,919	-29	68	709	10,950
14	252.55	3,948	+29	72	829	11,070
15	252.49	3,919	-29	78	671	10,770
16	252.59	3,968	+49	56	580	10,390
17	252.56	3,953	-15	68	584	9,870
18	252.55	3,948	-5	60	525	9,150
19	252.51	3,928	-20	53	479	9,150
20	252.57	3,958	+30	74	413	9,270
21	252.58	3,963	+5	66	350	8,670
22	252.52	3,933	-30	39	513	8,310
23	252.56	3,953	+20	48	553	7,950
24	252.50	3,924	-29	44	491	6,390
25	252.55	3,948	+24	61	498	6,510
26	252.56	3,953	+5	38	357	6,390
27	252.58	3,963	+10	50	432	7,470
28	252.51	3,928	-35	52	461	8,310
29	252.52	3,933	+5	52	569	7,110
30	252.54	3,943	+10	42	495	7,470
31	252.53	3,938	-5	55	576	5,910
TOTALS			+19	1,804	18,868	304,270
ACRE-FEET			+19	3,578	37,425	603,520

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	3,578
TEHAMA-COLUSA CANAL	37,425
TO SACTO RIVER	603,520
TOTAL	644,523

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

AUGUST 2002

Date	Midnight	Storage (ac-ft)	Storage Change (ac-ft)	Mean Inflow (sfd)	----- Mean Outflow -----			Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)	
	Elev (ft)				Total (sfd)	River (sfd)	[1] (sfd)						[2] (sfd)
1	453.85	64249	-705	15	336	148	188	0	68	0.34	0	38881	136200
2	453.63	63608	-641	11	299	136	163	0	69	0.35	0	38873	136200
3	453.44	63058	-550	13	251	106	140	5	77	0.39	0	38817	136200
4	453.26	62540	-518	17	257	105	147	5	41	0.21	0	38770	136200
5	453.03	61882	-658	12	304	106	193	5	78	0.4	0	38683	136200
6	452.77	61144	-738	8	345	118	222	5	69	0.36	0	38602	136200
7	452.5	60384	-760	40	371	131	235	5	103	0.54	0	38573	136200
8	452.23	59631	-753	36	369	139	225	5	92	0.49	0	38470	136200
9	451.95	58857	-774	36	381	148	228	5	90	0.48	0	38518	136200
10	451.67	58091	-766	44	388	153	230	5	83	0.45	0	38476	136200
11	451.4	57359	-732	51	378	153	220	5	83	0.45	0	38410	136200
12	451.13	56633	-726	36	361	145	211	5	82	0.45	0	38402	136200
13	450.89	55994	-639	49	328	129	194	5	85	0.47	0	38421	136200
14	450.67	55412	-582	43	304	117	182	5	65	0.36	0	38300	136200
15	450.46	54860	-552	36	284	121	158	5	61	0.34	0	38216	136200
16	450.23	54261	-599	35	308	125	178	5	58	0.33	0	38118	136200
17	449.98	53614	-647	53	352	127	220	5	54	0.31	0	38050	136200
18	449.71	52921	-693	37	352	127	220	5	69	0.4	0	37982	136200
19	449.43	52209	-712	27	360	139	216	5	52	0.3	0	37920	136200
20	449.16	51529	-680	4	314.7	127	186	1.7	63	0.37	0	37870	136200
21	448.9	50880	-649	6	304	118	186	0	57	0.34	0	37796	136200
22	448.63	50212	-668	3	315	130	185	0	50	0.3	0	37777	136200
23	448.35	49524	-688	7	329.3	145	181	3.3	48	0.29	0	37709	136200
24	448.08	48866	-658	11	318	125	188	5	49	0.3	0	37619	136200
25	447.86	48335	-531	12	255	97	153	5	49	0.3	0	37550	136200
26	447.62	47759	-576	5	244	113	126	5	101	0.62	0	37466	136200
27	447.39	47211	-548	2	233	113	115	5	89	0.55	0	37390	136200
28	447.11	46549	-662	4	296	112	179	5	82	0.51	0	37311	136200
29	446.83	45893	-656	4	313	125	183	5	44	0.28	0	37261	136200
30	446.54	45220	-673	6	322	133	184	5	46	0.29	0	37193	136200
31	446.25	44553	-667	20	327	137	185	5	59	0.38	0	37135	136200
Totals	(sfd)			683	9899	3948	5821	130					
Totals	(ac-ft)		-20401	1355	19634.7	7830.9			2116				
Totals	(inches)									11.95	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

AUGUST 2002

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: September 23, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES	
		1000 ACRE-FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET	PUMPING PLANT	C.F.S.	INCHES		
		610.4										
1	429.36	608.0	-2.4	1,527	2,358	0	0	284	95	.32	.00	
2	429.08	605.5	-2.5	1,628	2,559	0	0	278	47	.16	.00	
3	428.80	603.0	-2.5	1,635	2,499	0	0	273	112	.38	.00	
4	428.43	599.7	-3.3	980	2,328	0	0	266	32	.11	.00	
5	428.01	596.0	-3.7	904	2,417	0	0	267	88	.30	.00	
6	427.69	593.2	-2.8	1,347	2,421	0	0	271	67	.23	.00	
7	427.37	590.4	-2.8	978	2,019	0	0	278	93	.32	.00	
8	427.05	587.6	-2.8	1,055	2,009	0	0	280	178	.61	.00	
9	426.82	585.6	-2.0	1,467	2,007	0	0	291	177	.61	.00	
10	426.57	583.4	-2.2	1,329	2,026	0	0	290	107	.37	.00	
11	426.32	581.3	-2.2	1,326	2,013	0	0	294	113	.39	.00	
12	426.11	579.5	-1.8	1,468	1,975	0	0	296	116	.40	.00	
13	425.92	577.8	-1.6	1,547	1,991	0	0	287	98	.34	.00	
14	425.68	575.7	-2.1	1,308	1,983	0	0	265	101	.35	.00	
15	425.40	573.3	-2.4	1,216	1,997	0	0	284	150	.52	.00	
16	425.14	571.1	-2.2	1,317	2,067	0	0	280	98	.34	.00	
17	424.84	568.5	-2.6	1,040	1,995	0	0	258	83	.29	.00	
18	424.53	565.9	-2.6	994	2,064	0	0	255	9	.03	.00	
19	424.15	562.6	-3.2	955	2,071	0	0	264	254	.89	.00	
20	423.82	559.8	-2.8	893	2,011	0	0	235	60	.21	.00	
21	423.55	557.6	-2.3	1,018	1,853	0	0	245	71	.25	.00	
22	423.30	555.4	-2.1	1,114	1,837	0	0	267	76	.27	.00	
23	423.08	553.6	-1.9	1,151	1,719	0	0	248	122	.43	.00	
24	422.87	551.8	-1.8	1,069	1,625	0	0	245	90	.32	.00	
25	422.71	550.5	-1.3	1,172	1,487	0	0	257	104	.37	.00	
26	422.47	548.5	-2.0	769	1,439	0	0	268	76	.27	.00	
27	422.36	547.5	-0.9	1,310	1,401	0	0	259	115	.41	.00	
28	422.38	547.7	+0.2	1,977	1,470	0	0	264	158	.56	.00	
29	422.37	547.6	-0.1	1,815	1,428	0	0	257	172	.61	.00	
30	422.35	547.5	-0.2	1,930	1,589	0	0	254	172	.61	.00	
31	422.26	546.7	-0.8	1,960	1,966	0	0	262	112	.40	.00	
TOTALS			-63.7	40,199	60,624	0	0	8,322	3,346	11.67	.00	
ACRE-FEET			-63,700	79,735	120,248	0	0	16,507	6,637			

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)				PRECIPITATION	
POWER	120,248	OUTLET	0	THIS MONTH =	.00	
SPILL	0	TOTAL	136,755	JULY 1, 2002 TO DATE =	.00	
PUMPING PLANT	16,507					

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

Table 12

AUGUST 2002

LAKE NATOMA DAILY OPERATIONS

RUN DATE: September 23, 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	123.72	8,271							
2	123.72	8,129	-142	2,470	40	2,438	0	60	4
3	124.14	8,331	+202	2,647	40	2,443	0	60	2
4	124.36	8,441	+110	2,601	40	2,441	0	60	5
5	124.04	8,281	-160	2,463	40	2,443	0	60	1
6	123.98	8,252	-29	2,533	42	2,442	0	60	4
7	123.93	8,228	-24	2,530	45	2,434	0	60	3
8	123.67	8,106	-122	2,094	45	2,047	0	60	4
9	123.70	8,120	+14	2,061	45	1,941	0	60	8
10	123.74	8,139	+19	2,067	45	1,944	0	60	8
11	123.80	8,167	+28	2,067	45	1,943	0	60	5
12	123.77	8,153	-14	2,049	45	1,946	0	60	5
13	123.62	8,082	-71	2,018	45	1,944	0	60	5
14	123.55	8,050	-32	2,023	42	1,933	0	60	4
15	123.36	7,960	-90	1,999	40	1,939	0	60	5
16	123.17	7,871	-89	2,011	40	1,949	0	60	7
17	123.32	7,941	+70	2,076	40	1,937	0	60	4
18	123.19	7,880	-61	2,020	40	1,947	0	60	4
19	123.28	7,923	+43	2,069	40	1,947	0	60	0
20	123.37	7,965	+42	2,078	40	1,945	0	60	12
21	124.02	8,271	+306	1,975	40	1,718	0	60	3
22	124.21	8,366	+95	1,849	40	1,698	0	60	3
23	124.30	8,411	+45	1,821	42	1,693	0	60	3
24	124.06	8,291	-120	1,740	43	1,691	0	60	6
25	124.09	8,306	+15	1,581	43	1,466	0	60	4
26	123.84	8,186	-120	1,494	43	1,446	0	60	5
27	123.36	7,960	-226	1,441	43	1,449	0	60	3
28	123.10	7,838	-122	1,497	43	1,451	0	60	5
29	122.88	7,737	-101	1,506	43	1,447	0	60	7
30	122.51	7,571	-166	1,467	43	1,440	0	60	8
31	122.69	7,652	+81	1,594	43	1,442	0	60	8
31	124.05	8,286	+634	1,874	43	1,446	0	60	5
TOTALS			+15	61,715	1,308	58,390	0	1,860	150
ACRE-FEET			+15	122,412	2,594	115,817	0	3,689	298

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	115,817	FOLSOM SOUTH CANAL	2,594	TOTAL	122,100
SPILL	0	HATCHERY	3,689		

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

Table 13

AUGUST 2002

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: September 23, 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	
		1,391.3								
1	990.80	1,388.2	-3.1	823	2,269	0	0	118	.41	.00
2	990.58	1,386.2	-1.9	849	1,714	0	0	117	.41	.00
3	990.24	1,383.2	-3.0	542	1,962	0	0	97	.34	.00
4	989.98	1,380.9	-2.3	619	1,679	0	0	100	.35	.00
5	989.64	1,377.9	-3.0	638	2,061	0	0	88	.31	.00
6	989.32	1,375.1	-2.8	706	2,043	0	0	85	.30	.00
7	989.04	1,372.6	-2.5	768	1,907	0	0	105	.37	.00
8	988.80	1,370.5	-2.1	877	1,838	0	0	102	.36	.00
9	988.56	1,368.4	-2.1	886	1,823	0	0	125	.44	.00
10	988.29	1,366.1	-2.4	795	1,879	0	0	111	.39	.00
11	987.99	1,363.4	-2.6	726	1,934	0	0	119	.42	.00
12	987.72	1,361.1	-2.4	930	2,024	0	0	96	.34	.00
13	987.47	1,358.9	-2.2	987	1,973	0	0	116	.41	.00
14	987.20	1,356.5	-2.4	472	1,535	0	0	127	.45	.00
15	986.94	1,354.2	-2.3	748	1,774	0	0	119	.42	.00
16	986.67	1,351.9	-2.4	714	1,786	0	0	113	.40	.00
17	986.35	1,349.1	-2.8	655	1,939	0	0	121	.43	.00
18	986.07	1,346.7	-2.4	624	1,755	0	0	98	.35	.00
19	985.84	1,344.7	-2.0	663	1,580	0	0	90	.32	.00
20	985.60	1,342.6	-2.1	733	1,681	0	0	101	.36	.00
21	985.35	1,340.4	-2.2	756	1,762	0	0	87	.31	.00
22	985.08	1,338.1	-2.3	726	1,812	0	0	95	.34	.00
23	984.81	1,335.7	-2.3	710	1,800	0	0	87	.31	.00
24	984.59	1,333.8	-1.9	677	1,554	0	0	81	.29	.00
25	984.38	1,332.0	-1.8	647	1,464	0	0	98	.35	.00
26	984.15	1,330.0	-2.0	786	1,701	0	0	87	.31	.00
27	983.93	1,328.1	-1.9	1,000	1,848	0	0	109	.39	.00
28	983.69	1,326.1	-2.1	755	1,690	0	0	106	.38	.00
29	983.41	1,323.7	-2.4	683	1,784	0	0	114	.41	.00
30	983.26	1,322.4	-1.3	834	1,402	0	0	83	.30	.00
31	982.97	1,319.9	-2.5	715	1,875	0	0	97	.35	.00
TOTALS			-71.5	23,044	55,848	0	0	3,192	11.32	.00
ACRE-FEET			-71,500	45,708	110,775	0	0	6,331		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	110,775	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	110,775	JULY 1, 2002 TO DATE =	.00

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

AUGUST 2002

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET	CHANGE		RELEASE	OUTLET	SPILL	JOINT
		RES.					MAIN	MAIN
		537						
1	360.00	537	+0	1,970	0	258	1,090	455
2	360.00	537	+0	1,923	0	229	1,080	471
3	359.97	535	-2	1,906	0	221	1,070	465
4	359.97	535	+0	1,903	0	223	1,070	449
5	359.97	535	+0	1,880	0	221	1,040	444
6	360.00	537	+2	1,870	0	222	1,040	430
7	360.00	537	+0	1,919	0	220	1,070	444
8	360.00	537	+0	1,930	0	218	1,070	450
9	359.95	534	-3	1,956	0	218	1,070	449
10	360.00	537	+3	1,963	0	227	1,090	449
11	360.00	537	+0	1,973	0	231	1,090	449
12	360.00	537	+0	1,967	0	231	1,080	450
13	360.00	537	+0	1,866	0	228	970	450
14	360.00	537	+0	1,809	0	233	917	450
15	360.00	537	+0	1,784	0	234	924	450
16	360.00	537	+0	1,778	0	233	909	450
17	360.00	537	+0	1,745	0	233	894	450
18	359.95	534	-3	1,735	0	231	910	442
19	360.03	539	+5	1,739	0	230	935	429
20	360.03	539	+0	1,724	0	234	927	416
21	359.97	535	-4	1,733	0	233	916	416
22	360.03	539	+4	1,733	0	223	919	420
23	360.00	537	-2	1,744	0	219	916	436
24	360.00	537	+0	1,702	0	219	890	436
25	360.00	537	+0	1,683	0	224	862	440
26	360.00	537	+0	1,690	0	219	864	458
27	360.00	537	+0	1,660	0	217	863	447
28	360.00	537	+0	1,647	0	215	865	432
29	360.00	537	+0	1,705	0	218	867	412
30	360.00	537	+0	1,638	0	217	868	413
31	360.00	537	+0	1,648	0	219	881	399
TOTALS			+0	55,923	0	6,998	29,957	13,651
ACRE-FEET			+0	110,923	0	13,881	59,420	27,077

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	59,420	OUTLET	0
SOUTH MAIN CANAL	27,077	SPILL	13,881
		TOTAL	100,378

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

Table 15

AUGUST 2002

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: September 23, 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		
		298.3								
1	524.02	293.4	-4.9	1,584	1,085	2,696	0	216	58	.51
2	522.80	289.1	-4.3	1,679	1,009	2,577	0	216	39	.34
3	521.57	284.8	-4.3	1,532	1,017	2,416	0	216	43	.38
4	520.35	280.6	-4.2	1,524	930	2,465	0	213	40	.36
5	519.48	277.6	-3.0	2,297	870	2,677	0	221	33	.30
6	517.96	272.4	-5.2	1,647	880	3,119	0	215	43	.39
7	516.05	266.0	-6.4	1,342	880	3,459	0	206	32	.30
8	514.28	260.1	-5.9	1,729	938	3,476	0	205	64	.60
9	512.77	255.2	-4.9	1,834	941	3,148	0	203	32	.30
10	511.29	250.4	-4.8	1,400	894	2,672	0	203	42	.40
11	509.84	245.8	-4.6	998	850	2,238	0	208	39	.38
12	508.62	241.9	-3.9	1,350	798	2,256	0	211	35	.34
13	507.61	238.7	-3.2	1,861	825	2,387	0	210	39	.39
14	506.59	235.6	-3.2	1,986	860	2,479	0	210	39	.39
15	505.71	232.8	-2.7	1,983	873	2,224	0	208	50	.50
16	504.98	230.6	-2.2	1,550	847	1,589	0	207	39	.39
17	504.53	229.2	-1.4	1,626	825	1,236	0	207	50	.51
18	504.18	228.2	-1.1	1,735	750	1,284	0	207	32	.33
19	503.74	226.8	-1.3	1,796	767	1,454	0	207	42	.43
20	502.72	223.7	-3.1	1,067	813	1,580	0	206	21	.22
21	502.27	222.4	-1.4	1,908	769	1,583	0	206	31	.32
22	501.95	221.4	-1.0	1,858	647	1,459	0	206	29	.30
23	502.14	222.0	+0.6	2,274	460	1,288	0	206	33	.34
24	502.42	222.8	+0.8	2,073	333	1,082	0	206	29	.30
25	502.67	223.6	+0.8	2,106	310	1,183	0	206	28	.29
26	502.87	224.2	+0.6	2,149	264	1,347	0	206	30	.31
27	503.07	224.8	+0.6	2,215	239	1,428	0	206	38	.39
28	502.98	224.5	-0.3	1,796	239	1,456	0	206	32	.33
29	503.14	225.0	+0.5	2,145	239	1,417	0	206	39	.40
30	503.12	224.9	-0.1	1,672	239	1,228	0	206	30	.31
31	503.37	225.7	+0.8	1,873	240	1,003	0	206	42	.43
TOTALS			-72.6	54,589	21,631	61,906	0	6,461	1,173	11.48
ACRE-FEET			-72,560	108,277	42,905	122,791	0	12,815	2,327	.00

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
	122,791		
	42,905		
	178,511		

Table 16

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

August 2002

Estimated numbers are in bold italic print

Date	DELTA INFLOW									DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R	SRTP	Yolo +	East Side	S. Joaquin	River@	Vernalis	Total	NDCU	Clifton	Tracy	Contra	Byron	NBA	Total	3-day	NDOI	7-day	Monthly	Daily	3 Day	14 Day
	@Freeport		Misc	Streams				Delta		Court	(TRA)	Costa	Bethany		Delta	Avg						
-prev day-	-prev wk-	-prev day-	-prev day-	-prev day-	-prev day-	Average	Average	Inflow	(CLT)	(TRA)	(CCC)	(BBID)		Exports	TRA & CLT							
1-Aug-02	19,097	153	0	236	1,240	1,285	1,247	20,726	4,200	7,170	4,365	139	125	102	11,651	10,791	4,875	6,028	4,875	55.1%	50.2%	49.8%
2-Aug-02	18,887	154	0	244	1,247	1,285	1,255	20,532	4,200	7,180	4,386	123	94	103	11,699	11,063	4,633	5,812	4,754	55.9%	52.6%	51.1%
3-Aug-02	18,320	154	0	274	1,262	1,291	1,263	20,010	4,150	7,179	4,403	144	94	105	11,738	11,561	4,121	5,538	4,543	57.4%	56.1%	53.7%
4-Aug-02	17,756	154	0	270	1,281	1,275	1,260	19,461	4,150	7,171	4,379	132	94	90	11,678	11,566	3,633	5,218	4,316	58.9%	57.4%	54.0%
5-Aug-02	18,614	154	0	241	1,250	1,264	1,271	20,259	4,100	7,145	4,303	133	58	86	11,609	11,527	4,550	5,047	4,362	56.2%	57.5%	53.9%
6-Aug-02	18,361	154	0	238	1,314	1,262	1,266	20,067	4,100	7,166	4,358	99	21	89	11,692	11,508	4,275	4,697	4,348	57.3%	57.5%	54.2%
7-Aug-02	18,720	154	0	254	1,241	1,249	1,249	20,369	4,050	7,173	4,354	82	59	98	11,649	11,500	4,670	4,394	4,394	56.3%	56.6%	54.5%
8-Aug-02	18,740	154	0	228	1,150	1,230	1,232	20,272	4,050	7,178	4,363	83	50	111	11,685	11,531	4,537	4,346	4,412	56.7%	56.8%	55.0%
9-Aug-02	18,292	154	0	238	1,112	1,202	1,213	19,796	4,000	7,171	4,383	83	76	113	11,673	11,541	4,123	4,273	4,380	58.0%	57.0%	55.4%
10-Aug-02	17,901	154	0	265	1,063	1,167	1,196	19,383	4,000	7,177	4,377	86	76	110	11,675	11,550	3,708	4,214	4,313	59.2%	57.9%	55.9%
11-Aug-02	17,594	154	0	270	1,042	1,144	1,186	19,060	3,950	7,176	4,375	83	76	100	11,658	11,553	3,452	4,188	4,234	60.2%	59.1%	56.4%
12-Aug-02	17,212	154	0	291	1,084	1,120	1,183	18,741	3,950	7,175	4,399	105	193	101	11,587	11,560	3,204	3,996	4,148	60.7%	60.0%	56.9%
13-Aug-02	16,908	154	0	305	1,150	1,099	1,176	18,517	3,900	6,491	4,445	139	94	104	11,084	11,353	3,533	3,890	4,101	58.5%	59.8%	56.5%
14-Aug-02	16,820	154	0	265	1,089	1,081	1,165	18,328	3,850	6,464	4,355	145	114	107	10,957	11,109	3,521	3,725	4,060	58.4%	59.2%	55.8%
15-Aug-02	17,034	154	0	231	1,027	1,074	1,158	18,446	3,850	7,178	4,334	120	95	106	11,643	11,089	2,953	3,499	3,986	61.9%	59.6%	56.3%
16-Aug-02	16,958	154	0	241	1,062	1,075	1,153	18,415	3,800	6,880	4,344	87	95	108	11,324	11,185	3,291	3,380	3,942	60.4%	60.2%	57.2%
17-Aug-02	17,046	154	0	257	1,073	1,079	1,148	18,530	3,800	7,177	4,247	88	95	102	11,519	11,386	3,211	3,309	3,899	61.1%	61.2%	58.6%
18-Aug-02	17,166	154	0	269	1,068	1,094	1,150	18,657	3,750	7,179	4,304	83	95	92	11,562	11,377	3,345	3,294	3,869	61.0%	60.9%	58.7%
19-Aug-02	16,987	154	0	280	1,190	1,107	1,155	18,611	3,700	7,173	4,257	90	155	95	11,459	11,445	3,452	3,329	3,847	60.6%	60.9%	59.4%
20-Aug-02	16,614	154	0	264	1,242	1,114	1,154	18,274	3,700	7,170	4,282	62	55	93	11,551	11,455	3,023	3,257	3,806	62.4%	61.3%	59.9%
21-Aug-02	17,616	154	0	241	1,139	1,126	1,152	19,150	3,650	7,144	4,238	65	82	95	11,460	11,421	4,040	3,331	3,817	59.0%	60.6%	60.0%
22-Aug-02	17,850	154	0	220	1,107	1,127	1,148	19,331	3,600	7,159	4,359	84	72	88	11,618	11,451	4,113	3,496	3,830	59.2%	60.2%	60.5%
23-Aug-02	17,564	154	0	219	1,071	1,129	1,146	19,008	3,600	7,172	4,322	87	92	87	11,575	11,465	3,833	3,574	3,830	60.0%	59.4%	60.7%
24-Aug-02	17,533	154	0	261	1,084	1,134	1,144	19,032	3,550	7,166	4,269	89	92	94	11,526	11,482	3,956	3,680	3,835	59.6%	59.6%	60.9%
25-Aug-02	16,644	154	0	254	1,102	1,144	1,148	18,154	3,500	7,172	4,281	83	92	94	11,538	11,460	3,116	3,647	3,807	62.6%	60.7%	60.9%
26-Aug-02	15,834	154	0	245	1,262	1,149	1,154	17,495	3,450	6,991	4,296	92	0	93	11,473	11,392	2,572	3,522	3,759	64.5%	62.2%	61.0%
27-Aug-02	15,138	154	0	248	1,281	1,157	1,155	16,821	3,450	6,296	4,330	67	7	99	10,785	11,122	2,586	3,459	3,716	63.1%	63.4%	60.1%
28-Aug-02	14,088	154	0	230	1,195	1,166	1,155	15,667	3,400	5,190	4,267	73	75	101	9,556	10,457	2,711	3,269	3,680	59.9%	62.6%	57.1%
29-Aug-02	13,473	154	0	211	1,165	1,169	1,153	15,003	3,350	4,599	4,283	79	91	98	8,969	9,656	2,684	3,065	3,645	58.6%	60.6%	53.3%
30-Aug-02	14,332	154	0	202	1,091	1,169	1,151	15,779	3,300	5,495	4,274	90	86	102	9,874	9,370	2,605	2,890	3,611	61.4%	60.0%	52.1%
31-Aug-02	14,725	154	0	215	1,090	1,171	1,150	16,184	3,250	5,998	4,274	86	83	97	10,373	9,641	2,561	2,691	3,577	63.0%	61.0%	54.1%
Total	529,824	4,773	0	7,707	35,774	36,139	36,738	578,078	117,350	212,157	134,205	3,000	2,584	3,065	349,842	346,567	110,885	122,058	125,696	1847.1%	1832.1%	1754.1%
Average	17,091	154	0	249	1,154	1,166	1,185	18,648	3,785	6,844	4,329	97	83	99	11,285	11,180	3,577	3,937		59.6%	59.1%	56.6%

AUGUST 2002

CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR
DAILY OPERATIONS

RUN DATE: September 23, 2002

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION		PRECIP INCHES
		IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL		C.F.S.	INCHES	
		646,887									
1	415.18	648,696	+1,809	1,173	0	240	0	-20	198	.71	.00
2	414.98	646,973	-1,723	756	1,096	238	0	-291	167	.60	.00
3	414.74	644,908	-2,065	1,312	2,044	237	0	-72	126	.45	.00
4	414.95	646,715	+1,807	1,125	0	240	0	+27	117	.42	.00
5	414.19	640,185	-6,530	0	3,049	216	0	-28	136	.49	.00
6	413.65	635,561	-4,624	923	2,358	243	0	-652	163	.59	.00
7	413.58	634,963	-598	0	0	232	0	-70	144	.52	.00
8	413.68	635,818	+855	923	0	240	0	-252	127	.46	.00
9	413.40	633,425	-2,393	102	1,012	246	0	-50	124	.45	.00
10	413.08	630,694	-2,731	907	2,024	238	0	-22	171	.62	.00
11	413.48	634,108	+3,414	2,426	0	231	0	-473	204	.74	.00
12	413.57	634,877	+769	800	272	181	0	+41	166	.60	.00
13	413.02	630,182	-4,695	597	2,769	230	0	+35	174	.63	.00
14	412.70	627,456	-2,726	0	1,080	247	0	-47	179	.65	.00
15	412.06	622,018	-5,438	0	2,493	271	0	+22	164	.60	.00
16	411.56	617,782	-4,236	0	1,744	276	0	-115	159	.58	.00
17	411.38	616,260	-1,522	622	1,008	261	0	-119	137	.50	.00
18	411.52	617,444	+1,184	1,225	0	254	0	-374	148	.54	.00
19	411.31	615,668	-1,776	403	1,014	227	0	-57	142	.52	.00
20	411.18	614,570	-1,098	819	1,010	255	0	-108	126	.46	.00
21	411.05	613,473	-1,097	723	1,003	245	0	-29	128	.47	.00
22	410.98	612,882	-591	430	0	282	0	-446	131	.48	.00
23	411.66	618,629	+5,747	3,587	0	262	0	-428	123	.45	.00
24	412.09	622,273	+3,644	2,473	0	202	0	-434	115	.42	.00
25	412.83	628,563	+6,290	3,703	0	154	0	-378	135	.49	.00
26	413.25	632,144	+3,581	2,178	0	206	0	-166	135	.49	.00
27	413.66	635,647	+3,503	820	0	267	0	+1,213	152	.55	.00
28	413.70	635,989	+342	923	0	273	0	-477	147	.53	.00
29	413.97	638,300	+2,311	1,640	0	284	0	-191	175	.63	.00
30	414.17	640,014	+1,714	1,332	0	267	0	-201	111	.40	.00
31	414.62	643,876	+3,862	2,460	0	452	0	-61	126	.45	.00
TOTALS			-3,011	34,382	23,976	7,697	0	-4,223	4,550	16.49	.00
ACRE-FEET			-3,011	68,197	47,556	15,267	0	-8,376	9,025		

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	47,556	SPILL	0
PACHECO TUNNEL	15,267	TOTAL	62,823
		THIS MONTH =	.00
		JULY 1, 2002 TO DATE =	.00

AUGUST 2002

CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY
DAILY OPERATIONS

RUN DATE: September 23, 2002

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		
		53,001									
1	222.78	50,459	-2,542	450	0	6,954	0	1,173	7,769		+256
2	221.97	48,308	-2,151	414	1,096	5,822	0	756	7,741		+81
3	221.99	48,360	+52	575	2,044	6,383	0	1,312	8,011		+346
4	220.64	44,818	-3,542	781	0	6,413	0	1,125	8,538		+683
5	223.02	51,100	+6,282	759	3,049	6,095	0	0	7,522		+786
6	223.61	52,679	+1,579	687	2,358	5,607	0	923	7,431		+497
7	222.72	50,299	-2,380	671	0	5,630	0	0	7,800		+299
8	222.08	48,597	-1,702	635	0	6,438	0	923	7,496		+488
9	221.95	48,255	-342	689	1,012	5,945	0	102	7,867		+151
10	222.57	49,900	+1,645	799	2,024	6,434	0	907	7,785		+265
11	220.51	44,479	-5,421	911	0	6,302	0	2,426	7,892		+372
12	220.39	44,166	-313	791	272	6,309	0	800	7,113		+384
13	221.63	47,414	+3,248	594	2,769	5,737	0	597	7,077		+212
14	221.34	46,653	-761	558	1,080	5,390	0	0	7,606		+194
15	221.30	46,547	-106	510	2,493	5,752	0	0	8,286		-521
16	222.08	48,597	+2,050	665	1,744	5,946	0	0	7,720		+399
17	221.65	47,467	-1,130	855	1,008	6,232	0	622	8,236		+193
18	219.24	41,196	-6,271	940	0	6,113	0	1,225	9,239		+250
19	220.36	44,088	+2,892	1,185	1,014	6,364	0	403	6,968		+266
20	221.13	46,101	+2,013	1,294	1,010	5,591	0	819	6,710		+650
21	222.42	49,501	+3,400	1,277	1,003	6,240	0	723	6,342		+260
22	223.64	52,759	+3,258	1,285	0	6,516	0	430	6,028		+300
23	223.14	51,420	-1,339	1,368	0	6,975	0	3,587	5,781		+350
24	222.60	49,980	-1,440	1,560	0	6,524	0	2,473	6,336		-1
25	221.62	47,388	-2,592	1,728	0	6,891	0	3,703	6,280		+56
26	221.94	48,229	+841	1,784	0	6,694	0	2,178	5,609		-266
27	223.12	51,367	+3,138	1,651	0	5,904	0	820	4,866		-287
28	223.04	51,153	-214	1,795	0	4,872	0	923	5,639		-214
29	222.79	50,486	-667	1,906	0	4,265	0	1,640	5,172		+304
30	223.04	51,153	+667	1,898	0	5,241	0	1,332	5,176		-293
31	222.96	50,939	-214	1,983	0	5,907	0	2,460	5,782		+992
TOTALS			-2,062	32,998	23,976	187,486	0	34,382	217,818		+7,452
ACRE-FEET			-2,062	65,452	47,556	371,878	0	68,197	432,042	1,486	14,781

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	432,042		
SAN LUIS PUMP	68,197	DELIVERIES	1,486	TOTAL	501,725

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

Table 19

AUGUST 2002

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: September 23, 2002

DAY	AQUEDUCT CHECK 12			O'NEILL				SAN LUIS						PACHECO PUMP	DOS AMIGOS		
	STATE	FED	TOTAL	PUMPING		GENER		PUMPING			GENERATION				FED	STATE	TOTAL
1	12,608	1,185	13,793	893	0	893	0	0	2,326	2,326	0	0	0	477	6,538	8,872	15,410
2	10,363	1,185	11,548	821	0	821	0	0	1,500	1,500	2,080	94	2,174	472	6,492	8,863	15,355
3	11,476	1,185	12,661	1,141	0	1,141	0	0	2,603	2,603	3,817	238	4,055	470	6,401	9,488	15,889
4	11,535	1,185	12,720	1,550	0	1,550	0	0	2,231	2,231	0	0	0	477	6,443	10,493	16,936
5	10,905	1,185	12,090	1,505	0	1,505	0	0	0	0	5,721	326	6,047	428	6,592	8,327	14,919
6	9,936	1,185	11,121	1,363	0	1,363	0	0	1,830	1,830	4,505	173	4,678	482	6,462	8,277	14,739
7	9,982	1,185	11,167	1,331	0	1,331	0	0	0	0	0	0	0	460	6,569	8,902	15,471
8	11,369	1,401	12,770	1,260	0	1,260	0	0	1,830	1,830	0	0	0	476	5,663	9,206	14,869
9	10,391	1,401	11,792	1,366	0	1,366	0	0	203	203	1,988	20	2,008	488	5,656	9,949	15,605
10	11,360	1,401	12,761	1,584	0	1,584	0	0	1,800	1,800	3,857	158	4,015	473	5,613	9,828	15,441
11	11,099	1,401	12,500	1,806	0	1,806	0	0	4,812	4,812	0	0	0	459	5,651	10,002	15,653
12	11,113	1,401	12,514	1,568	0	1,568	0	0	1,587	1,587	0	539	539	360	5,579	8,530	14,109
13	9,978	1,401	11,379	1,179	0	1,179	0	0	1,185	1,185	2,563	2,930	5,493	456	5,584	8,454	14,038
14	9,291	1,401	10,692	1,107	0	1,107	0	0	0	0	0	2,142	2,142	490	5,556	9,531	15,087
15	10,008	1,401	11,409	1,011	0	1,011	0	0	0	0	3,679	1,265	4,944	537	3,992	12,444	16,436
16	10,392	1,401	11,793	1,319	0	1,319	0	0	0	0	1,233	2,227	3,460	547	3,994	11,319	15,313
17	11,567	795	12,362	1,695	0	1,695	0	0	1,233	1,233	1,903	97	2,000	518	4,010	12,326	16,336
18	12,125	0	12,125	1,864	0	1,864	0	0	2,430	2,430	0	0	0	504	3,957	14,369	18,326
19	12,623	0	12,623	2,351	0	2,351	0	0	800	800	1,842	170	2,012	451	3,997	9,825	13,822
20	11,089	0	11,089	2,566	0	2,566	0	0	1,625	1,625	1,866	137	2,003	506	2,947	10,362	13,309
21	12,378	0	12,378	2,533	0	2,533	0	0	1,435	1,435	1,870	119	1,989	486	2,959	9,621	12,580
22	12,925	0	12,925	2,548	0	2,548	0	0	853	853	0	0	0	560	3,515	8,442	11,957
23	13,835	0	13,835	2,713	0	2,713	0	0	7,114	7,114	0	0	0	519	3,650	7,817	11,467
24	12,940	0	12,940	3,094	0	3,094	0	212	4,694	4,906	0	0	0	401	3,649	8,918	12,567
25	13,669	0	13,669	3,428	0	3,428	0	2,503	4,841	7,344	0	0	0	305	3,694	8,762	12,456
26	13,277	0	13,277	3,538	0	3,538	0	724	3,596	4,320	0	0	0	409	3,019	8,107	11,126
27	11,710	0	11,710	3,275	0	3,275	0	0	1,626	1,626	0	0	0	529	3,022	6,629	9,651
28	9,664	0	9,664	3,561	0	3,561	0	0	1,830	1,830	0	0	0	542	3,074	8,110	11,184
29	8,460	0	8,460	3,781	0	3,781	0	0	3,253	3,253	0	0	0	563	3,057	7,201	10,258
30	10,395	0	10,395	3,764	0	3,764	0	0	2,643	2,643	0	0	0	530	3,070	7,197	10,267
31	11,717	0	11,717	3,934	0	3,934	0	0	4,879	4,879	0	0	0	896	3,047	8,421	11,468
TOTAL	371,879	21,699	393,578	65,449	0	65,449	0	TOTAL	68,198	47,559	115,757	47,559	15,271	TOTAL	15,271	TOTAL	432,044
FEDERAL	21,699	21,699	43,398	65,449	0	65,449	0	FEDERAL	3,439	36,924	40,363	36,924	0	FEDERAL	143,452	143,452	143,452
STATE	350,180	0	350,180	0	0	0	0	STATE	64,759	10,635	75,394	10,635	15,271	STATE	288,592	288,592	288,592
															XVC	19,171	19,171

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

AUGUST 2002

FEDERAL-STATE OPERATIONS

RUN DATE: September 23, 2002

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS AMIGOS XVC	BYRON BETHANY TOTAL	AQEDUCT STATE	CHECK 21		DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL					FED	TOTAL	
1	8,657	0	8,657	14,222	11,831	1,185	14,854	1,838	1,783	247	11,804	0	11,804	7,764
2	8,700	0	8,700	14,241	9,960	1,185	12,983	1,838	1,783	186	11,522	0	11,522	7,879
3	8,734	0	8,734	14,240	11,117	1,185	14,140	1,838	1,783	186	11,376	0	11,376	7,593
4	8,685	0	8,685	14,224	12,896	1,185	14,081	0	0	186	12,066	0	12,066	7,135
5	8,535	0	8,535	14,173	11,248	1,185	14,271	1,838	1,783	116	10,501	0	10,501	7,030
6	8,645	0	8,645	14,214	10,442	1,185	13,465	1,838	1,783	41	10,520	0	10,520	7,282
7	8,636	0	8,636	14,228	9,907	1,185	12,930	1,838	1,783	117	10,796	0	10,796	7,305
8	8,655	0	8,655	14,237	11,762	1,401	13,880	717	696	100	10,874	0	10,874	7,395
9	8,693	0	8,693	14,223	11,654	1,401	13,772	717	696	150	11,390	0	11,390	7,327
10	8,682	0	8,682	14,236	11,968	1,401	14,086	717	696	150	11,053	0	11,053	7,098
11	8,678	0	8,678	14,233	12,660	1,401	14,061	0	0	150	11,475	0	11,475	6,872
12	8,726	0	8,726	14,231	11,666	1,401	13,784	717	696	383	10,122	0	10,122	7,158
13	8,816	0	8,816	12,874	10,547	1,401	12,665	717	696	187	10,726	0	10,726	7,637
14	8,638	0	8,638	12,822	10,607	1,401	12,725	717	696	226	10,001	0	10,001	7,531
15	8,596	0	8,596	14,237	10,209	1,401	12,327	717	696	189	11,960	0	11,960	7,585
16	8,616	0	8,616	13,647	11,297	1,401	13,415	717	696	189	11,029	0	11,029	7,297
17	8,423	0	8,423	14,236	12,040	795	13,552	717	696	189	12,639	0	12,639	6,728
18	8,536	0	8,536	14,240	13,922	0	13,922	0	0	189	14,735	0	14,735	6,672
19	8,443	0	8,443	14,227	12,990	0	13,704	714	688	307	10,810	0	10,810	6,092
20	8,493	0	8,493	14,222	13,141	0	13,855	714	688	109	9,533	0	9,533	5,927
21	8,407	0	8,407	14,170	13,164	0	13,878	714	688	162	9,622	0	9,622	5,874
22	8,646	0	8,646	14,200	14,297	0	14,425	128	145	142	8,948	0	8,948	6,098
23	8,572	0	8,572	14,225	15,335	0	15,335	0	0	182	8,996	0	8,996	5,859
24	8,467	0	8,467	14,214	14,440	0	14,440	0	0	182	10,076	0	10,076	5,373
25	8,491	0	8,491	14,226	14,324	0	14,324	0	0	182	10,482	0	10,482	5,063
26	8,522	0	8,522	13,867	13,932	0	13,932	0	0	0	8,934	0	8,934	4,984
27	8,589	0	8,589	12,489	12,346	0	12,346	0	0	14	8,640	0	8,640	5,314
28	8,464	0	8,464	10,295	10,296	0	10,296	0	0	149	8,670	0	8,670	4,903
29	8,496	0	8,496	9,123	9,115	0	9,115	0	0	180	8,994	0	8,994	4,715
30	8,477	0	8,477	10,899	11,029	0	11,029	0	0	171	9,010	0	9,010	4,713
31	8,477	0	8,477	11,898	12,356	0	12,356	0	0	165	9,215	0	9,215	4,543
TOTALS	266,195	0	266,195	420,813	372,498	21,699	413,948	19,751	19,171	5,126	326,519	0	326,519	200,746

COMMENTS: ALL VALUES IN ACRE-FEET

- FED BANKS: 08/01/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/02/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/03/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/04/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/05/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/06/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/07/02 - 1,185 af (597 cfs) is EWA Water.
- FED BANKS: 08/08/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/09/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/10/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/11/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/12/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/13/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/14/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/15/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/16/02 - 1,401 af (706 cfs) is EWA Water.
- FED BANKS: 08/17/02 - 795 af (401 cfs) is EWA Water.
- Total Aug 2002 EWA Water pumped equals 21,699 af.
- Total Jul (43,824 af) & Aug (21,699) 2002 EWA Water pumped equals 65,523 af.
- TOTAL BANKS: 08/08/02 - 1,091 af is CVC Article 55 Water minus losses of 32 af for delivery of 1,059 af to TLBWSD (309 af) on behalf of Lower Tule River ID and to KCWA (750 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 08/09/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- TOTAL BANKS: 08/10/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.
- 08/11/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS		BYRON BETHANY TOTAL	AQEDUCT CHECK 21		DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	XVC		STATE	FED	
TOTAL BANKS:	of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/12/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/13/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/14/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/15/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/16/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/17/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/18/02 - 1,388 af is CVC Article 55 Water minus losses of 40 af for delivery of 1,348 af to TLBWSD (357 af) on behalf of Lower Tule River ID and to KCWA (991 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/19/02 - 1,835 af is CVC Article 55 Water minus losses of 53 af for delivery of 1,782 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,426 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/20/02 - 1,835 af is CVC Article 55 Water minus losses of 53 af for delivery of 1,782 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,426 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/21/02 - 1,835 af is CVC Article 55 Water minus losses of 53 af for delivery of 1,782 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,426 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/22/02 - 1,767 af is CVC Article 55 Water minus losses of 51 af for delivery of 1,716 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/23/02 - 1,767 af is CVC Article 55 Water minus losses of 51 af for delivery of 1,716 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/24/02 - 1,767 af is CVC Article 55 Water minus losses of 51 af for delivery of 1,716 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/25/02 - 1,767 af is CVC Article 55 Water minus losses of 51 af for delivery of 1,716 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/26/02 - 1,767 af is CVC Article 55 Water minus losses of 51 af for delivery of 1,716 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/27/02 - 1,767 af is CVC Article 55 Water minus losses of 51 af for delivery of 1,716 af to TLBWSD (356 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/28/02 - 1,605 af is CVC Article 55 Water minus losses of 46 af for delivery of 1,559 af to TLBWSD (199 af) on behalf of Lower Tule River ID and to KCWA (1,360 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/29/02 - 1,133 af is CVC Article 55 Water minus losses of 33 af for delivery of 1,100 af to KCWA (1,100 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/30/02 - 1,133 af is CVC Article 55 Water minus losses of 33 af for delivery of 1,100 af to KCWA (1,100 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
TOTAL BANKS:	08/31/02 - 1,133 af is CVC Article 55 Water minus losses of 33 af for delivery of 1,100 af to KCWA (1,100 af) on behalf of Kern Tulare WD & Rag Gulch WD.													
	August Total Deliveries of 35,040 af to TLBSWS (7,282 af) and KCWA (27,758 af).													
FED BANKS XVC:	08/01/02 - 1,838 af is CVC Water for delivery of 1,783 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/02/02 - 1,838 af is CVC Water for delivery of 1,783 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/03/02 - 1,838 af is CVC Water for delivery of 1,783 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/05/02 - 1,838 af is CVC Water for delivery of 1,783 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/06/02 - 1,838 af is CVC Water for delivery of 1,783 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/07/02 - 1,838 af is CVC Water for delivery of 1,783 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/08/02 - 717 af is CVC Water for delivery of 696 af to WWD on behalf of Lower Tule River ID and Pixley WD.													
FED BANKS XVC:	08/09/02 - 717 af is CVC Water for delivery of 696 af to WWD on behalf of Lower Tule River ID and Pixley WD.													

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					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
CACHUMA PROJECT													
Tecolote Tunnel	1872	2225	2761	2875	3681	3397	3685	3597					24093
KLAMATH PROJECT													
"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
ORLAND PROJECT													
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
SOLANO PROJECT													
Putah South Canal	3319	2906	3669	17629	28007	36181	37450	31387					160548

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					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
CACHUMA PROJECT													
Tecolote Tunnel	1872	2225	2761	2875	3681	3397	3685	3597					24093
KLAMATH PROJECT													
"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
ORLAND PROJECT													
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
SOLANO PROJECT													
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
Arvin-Edison WSD	2900	3616	133	2414	9625	3720	2546	1289					26243
Atwell Island WD	0	0	0	0	0	0	0	0					0
Delano-Earlimart ID	81	2459	8577	11882	16712	25850	26201	17597					109359
Exeter ID	22	34	53	701	971	1845	2674	2742					9042
City of Fresno	0	0	14	45	1652	24021	17203	17065					60000
County of Fresno SA #34	5	3	13	25	56	74	101	93					370
Fresno ID	11	131	0	0	0	200	0	4267					4609
Garfield WD	0	0	7	351	375	578	542	421					2274
Hills Valley ID	22	0	14	317	520	779	973	852					3477
International WD	0	108	0	116	162	212	289	261					1148
Ivanhoe ID	0	0	0	95	450	930	1406	1386					4267
Kaweah Delta WCD	0	0	0	0	0	0	0	0					0
Kern County Water Agency	0	0	0	0	0	0	0	0					0
Kern-Tulare WD	162	355	1330	2534	3864	4923	3744	3461					20373
Lewis Creek WD	0	0	0	0	0	12	27	41					80
Lindmore ID	0	0	227	1450	3929	6196	8303	8162					28267
City of Lindsay	122	102	142	193	259	268	323	313					1722
Lindsay-Strathmore ID	0		373	2525	542	3508	4254	4103					15305
Lower Tule River ID	824	396	0	0	13499	23213	26538	15405					79875
North-Kern WSD	0	0	0	0	0	0	0	0					0
City of Orange Cove	87	88	104	108	153	183	201	189					1113
Orange Cove ID	298	38	112	1811	3321	4758	6065	6027					22430
Pixley ID	0	0	0	0	0	5151	8006	0					13157
Porterville ID	0	0	670	1000	2068	2702	3338	2492					12270
Rag Gulch WD	9	196	431	1013	1478	2195	1362	900					7584
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0					0
Saucelito ID	11	259	1883	2143	2649	4379	5221	4459					21004
Semitropic WSD	0	0	0	0	0	0	0	0					0
Shafter Wasco ID	1465	6869	2969	4791	5344	8286	8667	5687					44078
Southern San Joaquin MUD	401	6254	7790	10291	12151	17940	19294	13285					87406
Smallwood Vineyards	0	0	0	84	98	93	127	68					470
Stone Corral ID	70	6	68	823	977	1373	1835	1626					6778
Strathmore PUD	30	24	29	41	51	67	75	72					389
Styro Tek, Inc.	0	1	1	1	2	2	0	0					7
Tea Pot Dome WD	0	48	0	358	765	1078	1233	1178					4660
Terra Bella ID	153	76	83	1414	2346	3175	3901	3773					14921
Tri-Valley WD	0	0	0	0	55	222	319	420					1016
Tulare ID	0	5045	0	0	0	17598	12357	5026					40026
Total	6673	26108	25023	46526	84074	165531	167125	122660	0	0	0	0	643720

* 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					68113
Madera ID	0	0	0	1761	25557	25111	32083	13718					98230
Soquel	0	0	0	0	0	0	0	8549					8549
Total	0	0	0	1761	25557	41695	61857	44022	0	0	0	0	174892
MILLERTON LAKE													
County of Madera	2	2	3	4	5	6	8	9					39
Fresno County # 18	5	5	7	12	18	19	6	24					96
Gravelly Ford WD	0	0	584	991	1834	878	1498	1140					6925
Total	7	7	594	1007	1857	903	1512	1173	0	0	0	0	7060

* 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

Monthly Deliveries in AF

2002

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					2389
Hughes, Melvin	0	26	0	0	0	33	25	12					96
James ID	0	1656	424	620	1182	7468	10447	9053					30850
Laguna WD	0	0	0	0	0	0	0	0					0
Dudley & Indart	115	603	275	357	440	524	439	446					3199
Mid-Valley WD (no contract)	0	0	0	0	0	0	0	0					0
Reclamation 1606	0	0	74	50	99	111	66	55					455
Terra Linda (Goodman)	83	1093	631	502	752	1554	1823	1123					7561
Tranquility ID	0	4527	1474	1108	1500	7585	6676	3837					26707
Wilson, JW (no contract)	0	78	118	0	0	176	216	205					793
Total	198	8418	3144	2809	4291	17898	20254	15038	0	0	0	0	72050
Exchange Contractors													
Central California ID	394	24818	33909	27895	45403	71333	72020	64517					340289
Columbia Canal Co	0	3604	5613	5909	6185	10150	11078	9261					51800
Firebaugh Canal Co	952	2725	1548	3389	3700	4713	3950	3009					23986
San Luis Canal Co	0	4287	13013	10968	12595	29580	31330	24816					126589
Total	1346	35434	54083	48161	67883	115776	118378	101603	0	0	0	0	542664
Refuges													
Grassland WD - 76.05L CCID #1-07-20-W1754	4836	10892	0	4938	0	6321	19038	9835					55860
US F&WS - Kesterson #00-WC-20-1647	0	11952	411	2320	3305	0	0	847					18835
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	808	690	0	0	89	280	60	1096					3023
State F&G - Water Fowl Dist #1-07-20-W19756	1013	3979	597	450	1044	1686	1343	1109					11221
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	234	712	269	340	525	949	831	678					4538
Total	6891	28225	1277	8048	4963	9236	21272	13565	0	0	0	0	93477

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					2667
Broadview WD	428	1829	919	639	961	3016	2765	1375					11932
CCID (Abv CK 13)	61	641	1389	1568	2273	2499	2349	2470					13250
CCID (Blw CK 13)	309	1100	7885	6806	22443	17579	19402	19393					94917
Centinella WD	0	0	0	0	0	0	0	0					0
China Island (76.05)	0	0	513	400	0	1086	650	369					3018
Del Puerto WD	56	1910	3106	9954	9960	15287	15864	11340					67477
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0	0					0
Eagle Field WD	0	548	0	1	164	220	338	161					1432
Firebaugh Canal	192	2050	1701	1354	1679	8303	10320	7182					32781
Frietas Unit (76.05L)	0	0	720	845	355	382	254	0					2556
Mercy Springs WD	1	123	63	88	53	212	246	220					1006
Oro Loma WD	0	113	30	0	39	131	178	119					610
Panoche WD - Ag	51	341	344	372	636	1311	1741	1040					5836
Panoche WD - M&I	2	3	2	3	2	3	2	3					20
Patterson WD	0	0	55	313	911	874	1296	1085					4534
Plainview WD	0	13	30	482	474	632	654	643					2928
Salt Slough Unit (76.05L)	0	0	515	900	946	1154	977	783					5275
San Luis WD - Ag	355	1098	538	850	1022	2010	2244	1335					9452
San Luis WD - M&I	1	1	5	19	23	24	11	20					104
Tracy, City of	0	0	407	562	775	877	1042	1065					4728
West Side ID	6	0	0	0	112	270	430	252					1070
Widren	0	0	0	0	0	0	0	0					0
W. Stanislaus ID	0	984	2366	3913	3856	7458	9733	4428					32738
F&G - Los Banos Ref. 76.05L	0	0	1090	301	826	1064	969	1000					5250
Volta Wildlife Mgmt Area	0	113	0	521	50	466	450	841					2441
Grasslands -76.05L	4820	7408	0	1508	0	2906	6362	3981					26985
Grasslands - Volta	402	427	0	1848	1163	2107	937	2024					8908
F&S (Volta) Santa Fee Kest.	0	0	0	0	661	178	182	175					1196
F&S - Kesterson 76.05L	0	0	0	504	0	0	0	0					504
Total DMC Deliveries	6684	18702	22377	33809	49450	70579	80644	61370	0	0	0	0	343615
Oneill Net Pumped	225493	93737	153351	22779	(92264)	(68180)	13457	65449					413822
DMC plus Oneill	232177	112439	175728	56588	(42814)	2399	94101	126819	0	0	0	0	757437

* 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					1803
Broadview WD	1	1	0	2	2	3	4	3					16
City of Coalinga	280	241	234	472	434	586	591	638					3476
City of Dos Palos	66	65	84	118	149	171	185	166					1004
City of Huron	43	46	47	124	109	122	131	121					743
Pacheco WD	1	1	50	326	2	1274	2750	1276					5680
Pacheco CCID Non-project (Hamburg)	327	707	944	719	2003	923	0	0					5623
Panoche WD	2602	4828	3684	3144	5159	9967	13562	7286					50232
San Luis WD	1066	5700	5801	5111	7152	11711	14240	7326					58107
Westlands WD (Federal)	35134	74079	63941	75647	103758	167006	167011	104479					791055
Phase I (Non-chargeable)	0	8	0	0	0	0	0	0					8
Fish & Game (Lateral 4)	1	1	1	1	1	1	1	1					8
Fish & Game (Lateral 6)	51	0	0	0	0	0	0	0					51
Total	39784	85818	74960	85873	119025	192020	198753	121573	0	0	0	0	917806
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	76	63	84	45	51	74	101	68					562
San Luis WD Ag	117	620	698	689	1233	1682	2112	1349					8500
San Luis M&I	28	22	32	44	53	62	70	69					380
VA Cemetary	2	2	3	7	6	7	10	8					45
Total	223	707	817	785	1343	1825	2293	1494	0	0	0	0	9487
CROSS VALLEY CANAL													
Arvin Edison WSD	0	0	0	0	0	0	8317	0					8317
Kern-Tulare	0	0	0	0	0	0	0	28582					28582
Pixley ID	0	0	0	0	0	0	13763	26669					40432
Rag Gulch	0	0	0	0	0	0	0	0					0
Total	0	0	0	0	0	0	22080	55251	0	0	0	0	77331
SAN FELIPE DIVISION													
Santa Clara	8720	9306	9620	12225	13875	10587	11585	11903					87821
San Benito	323	1360	285	1650	2401	3733	3742	3368					16862
Total	9043	10666	9905	13875	16276	14320	15327	15271	0	0	0	0	104683

* 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					46429
Cortina WD	0	0	93	83	102	153	164	93					688
Davis WD	0	56	261	208	259	569	293	194					1840
Dunnigan WD	7	58	345	1595	2002	2948	3230	2334					12519
4-M Water District	0	1	113	242	157	566	505	412					1996
GCID	0	0	2547	3237	3895	4700	4521	2988					21888
Glenn Valley WD	0	13	39	73	207	111	110	171					724
Glide WD	0	0	161	1429	3265	3514	3234	2604					14207
Holthouse WD	0	0	53	99	287	329	350	254					1372
Kanawha WD	0	9	1438	4887	4157	7515	7068	4424					29498
Kirkwood WD	0	0	0	85	119	209	219	235					867
La Grande WD	0	0	22	1011	813	1436	1129	789					5200
Myers-Marsh MWC	0	0	0	20	36	20	45	0					121
Orland-Artois WD	45	120	1859	6375	9707	13843	13968	9458					55375
Westside WD	2	296	2187	4210	6693	9826	6705	4299					34218
Total	131	792	12172	29691	38929	56636	52436	36155	0	0	0	0	226942

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					1928
Anderson Cottonwood ID	0	0	0	6829	19825	19427	21483	20813					88377
Andreotti, Arthur, et al	0	0	0	321	483	622	1648	559					3633
Baber, Jack, et	0	0	0	0	105	252	492	118					967
A&R Farms (Odysseus)	0	0	0	1	15	45	92	24					177
Cannel, Fred	0	0	0	154	320	181	33	38					726
Carter, Jane	0	0	0	0	0	227	295	185					707
Colusa Prop. Inc	0	0	0	0	0	354	143	37					534
Conaway Conservancy Group	0	0	0	1304	9545	10043	6675	5401					32968
Davis, Olive P, et al	0	0	0	3559	5144	6816	7439	4512					27470
Deseret Farms of Calif	0	0	0	58	168	258	222	83					789
Dommer, Elizabeth	0	0	0	0	2	2	2	0					6
Forry, David G, et al	0	0	0	133	196	358	386	322					1395
Forster, Rosemary	0	0	0	45	624	759	831	638					2897
Furlan Joint Venture (Area #1)	0	0	0	32	121	78	93	2					326
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0	0					0
Glenn-Colusa ID	0	0	0	102425	120489	153527	153764	114095					644300
Griffin, J, et al	0	0	0	142	498	623	681	303					2247
Henle Family Limited Partnership	0	0	0	0	0	56	29	0					85
Hershey Land Co	0	0	0	0	0	0	0	0					0
Hiatt, Glenn	0	0	0	0	252	220	248	81					801
Hollins, Mariette B	0	0	0	65	131	235	263	179					873
Howald Farms	0	0	0	124	239	311	331	270					1275
King, Barbara	0	0	0	0	3	2	2	0					7
Knaggs Walnut Ranches Co, L.P.	0	0	0	0	87	68	0	0					155
Lockett, William P.	0	0	0	0	0	0	0	0					0
Loma Cold Storage/J Micheli	0	0	0	441	1515	1606	180	232					3974
M&T Inc.	0	0	0	264	2405	1839	2028	2037					8573
MCM Properties, Inc	0	0	0	0	59	79	78	22					238
Maxwell ID	0	0	0	1146	2410	1706	0	0					5262
Meridan Farms WC	0	0	0	2224	5807	6618	7142	5490					27281
Natomas Central MWC	0	0	0	5104	19869	21247	21815	13026					81061
O'Brien, Janice	0	0	0	229	4	111	181	130					655
Oji Bros. Farms Inc	0	0	0	52	576	867	581	332					2408
Oji, Mitsue Family PTN	0	0	0	134	689	1207	381	409					2820
Pelger Mutual WC	0	0	0	541	1444	1559	1195	709					5448
Pleasant Grove-Verona MWC	0	0	0	799	3576	4143	4279	3418					16215
Princeton,-Codora-Glenn ID	0	0	0	2381	10605	12648	13747	10136					49517
Provident Irrigation District	0	0	0	8233	6130	12635	381	3315					30694
Reclamation Dist #108	0	0	0	14747	35339	40296	38707	20626					149715
Reclamation Dist #1004	0	0	0	5502	11856	14845	15104	9213					56520
Reynen, John, et al	0	0	0	378	1398	1643	1627	866					5912
River Garden Farms	0	0	0	146	3649	6097	5684	4180					19756
Roberts Ditch Irrigation Co	0	0	0	408	558	786	981	737					3470
Sartain Mutual WC	0	0	0	38	446	354	404	227					1469
Siddiqui, J & A & Siddiqui Family Plan	0	0	0	23	71	12	58	37					201
Spence, Ruth Ann	0	0	0	0	0	0	0	0					0
Sutter Mutual WC	0	0	0	15717	36609	40489	44184	35167					172166
Swinford Tract Irrigation Co	0	0	0	0	29	27	6	22					84
Tarke, James, et al	0	0	0	0	36	43	37	32					148
Tisdale Irrigation & Drain	0	0	0	502	1497	1522	1950	1620					7091
Wallace Construction, Inc.	0	0	0	143	0	545	217	0					905
Wells, Joyce M	0	0	0	70	141	311	349	238					1109
Wilson Ranch Partnership	0	0	0	0	0	0	0	0					0
Windswept Land & Livestock Co.	0	0	0	214	505	374	194	4					1291
Total	0	0	0	174628	305832	368632	357230	260304	0	0	0	0	1466626

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

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