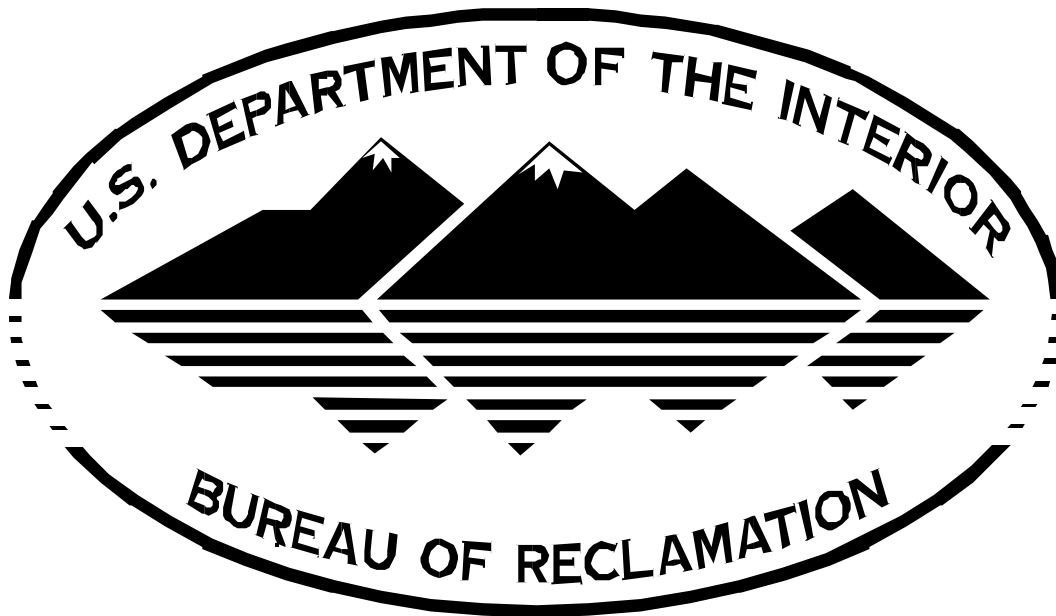


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



December 2001

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SUMMARY OF DECEMBER 2001 OPERATIONS

Sacramento had an average monthly temperature of 49.6 °F which was 2.5 °F above normal. The average temperature at Shasta Dam was 45.2 °F which was .8 °F below normal and Huntington Lake was 7.0 °F below normal with an average temperature of 27.6 °F.

Trinity System: Storage in Trinity Lake increased 85,500 acre-feet this month to 1,423,900 acre-feet, which is 58 percent of capacity and 98 percent of the 15 year average for this date. The total inflow for the month was 106,486 acre-feet. The Trinity River release was 300 ft³/s. Whiskeytown Lake was operated between elevations 1198.92 feet and 1206.97 feet with an end-of-month storage of 207,200 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 200 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 0 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 701,800 acre-feet for an end-of-month storage of 2,986,300 acre-feet, which is 66 percent of capacity and 115 percent of the 15 year average. The total inflow for the month was 843,846 acre-feet. The release to the Sacramento River at Keswick ranged between 3,600 and 3,800 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 75,700 acre-feet and had an end-of-month storage of 337,300 acre-feet, which is 35 percent of capacity and 92 percent of the 15 year average for this date. The total inflow for the month was 168,123 acre-feet. The release to the American River at Nimbus ranged between 1,000 and 1,500 ft³/s during the month.

New Melones: Storage in New Melones increased 45,000 acre-feet for an end-of-month storage of 1,516,400 acre-feet or 63 percent of capacity and 126 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 300 to 350 ft³/s for the month. The total inflow for the month was 60,915 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on December 31, 2001, was 710,000 acre-feet compared to the storage a year ago of 989,000 acre-feet.

Friant: Storage in Millerton Lake increased 37,765 acre-feet to 213,300 acre-feet. The total monthly inflow was 51,337 acre-feet. The release to the San Joaquin River at Friant varied between 89 and 134 ft³/s.

CVP Totals: The total diversions to CVP canals were 237,156 acre-feet. The December 31, 2001, storage in the 18 CVP reservoirs was 6,973,000 acre-feet compared to storage 1 year ago of 8,017,000 acre-feet.

Power: Gross power production for the CVP totaled 130,000,900 kilowatt-hours.

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

Table 1

WATERSHED	RESERVOIR	TOTAL CAPACITY	12/31/01	12/31/00	WATERSHED	RESERVOIR	TOTAL CAPACITY	12/31/01	12/31/00
KLAMATH	CLEAR LAKE *	526,800	150,000	251,440	AMERICAN	FOLSOM LAKE *CVP	1,010,300	337,280	532,920
	GERBER *	94,300	23,380	51,920		LAKE NATOMA *CVP	9,030	3,710	8,110
	UPR KLAMATH LK *	873,300	327,210	306,380	COSUMNES	JENKINSON LK *CVP	41,000	28,350	32,790
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,423,870	1,708,280	MOKELUMNE	CAMANCHE	431,500	202,560	314,220
	LEWISTON LAKE*CVP	14,660	13,990	13,990		PARDEE	210,000	177,400	163,970
	WHISKEYTOWN *CVP	241,100	207,160	205,920	SALT SPRINGS	140,000	13,800	14,530	
MCCLLOUD	MCCLLOUD DIV. RES	35,230	20,400	20,220	CALAVERAS	NEW HOGAN	317,100	131,960	150,360
PIT	IRON CANYON	24,240	8,610	10,560	NEW MELONES*CVP	NEW MELONES*CVP	2,420,000	1,516,400	1,875,630
	LAKE BRITTON	40,620	29,760	35,740		BEARDSLEY	97,800	25,560	19,940
	PIT NO. 6	15,890	11,510	13,810		STANISLAUS	DONNELLS	64,320	14,160
	PIT NO. 7	34,610	29,500	32,220	TULLOCH	67,000	56,310	43,700	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	2,986,260	2,910,880	LAKE ELEANOR	LAKE ELEANOR	26,100	13,710	5,340
	SPRING CREEK *CVP	5,900	5,180	1,010		LAKE LLOYD	268,000	218,160	113,470
	KESWICK *CVP	23,800	21,310	20,690		TUOLUMNE	HETCH-HETCHY	360,400	192,890
	RED BLUFF DIV *CVP	3,920	840	280	NEW DON PEDRO	2,030,000	1,249,310	1,630,300	
FEATHER	OROVILLE	3,538,000	1,595,880	1,724,940	TURLOCK LAKE	49,000	13,910	27,150	
	THERMALITO DIV RES	13,500	12,760	13,000	MERCED	EXCHEQUER	1,024,600	325,770	592,780
	THERMALITO FORE.	14,400	NA	10,960	CHOWCHILLA	BUCHANAN	150,000	21,480	71,460
	THERMALITO AFTER.	57,000	39,300	24,440	CRANE VALLEY	45,400	27,430	21,260	
LAKE ALMANOR	1,143,000	644,460	724,500	LAKE T.A. EDISON	125,000	47,600	59,010		
STONY CREEK	EAST PARK *	50,900	49,790	41,740	FLORENCE LAKE	64,600	1,000	1,000	
	STONY GORGE *	50,000	39,890	38,930	SAN JOAQUIN	MAMMOTH POOL	122,700	26,190	16,640
	BLACK BUTTE *CVP	143,700	45,010	35,740	HUNTINGTON LAKE	89,800	45,880	39,330	
PUTAH CREEK	LAKE BERRYESSA *	1,602,300	1,370,310	1,363,800	REDINGER LAKE	35,000	23,420	24,180	
	LAKE SOLANO *	720	580	590	SHAVER LAKE	135,400	121,200	83,780	
YUBA	BULLARDS BAR	930,000	591,480	601,400	MILLERTON LK *CVP	520,500	26,190	273,770	
	SO. YUBA SYSTEM	146,000	40,470	32,273	FRESNO	HIDDEN	90,000	13,440	21,800
	NARROWS	70,000	65,480	66,410	SAN LUIS **CVP	2,040,600	1,385,630	1,470,420	
BEAR	ROLLINS	65,990	49,150	53,210	O'NEILL FORE.**CVP	56,400	51,150	47,230	
LITTLE TRUCKEE	STAMPEDE *	226,620	156,900	201,780	SAN LUIS	L BANOS RES**CVP	34,560	19,260	18,990
	BOCA *	41,140	7,800	11,350	LT PANOCHE **CVP	5,580	830	830	
PROSSER	PROSSER CREEK *	29,840	8,200	9,910	OIL CANYON	CONTRA LOMA *CVP	2,100	1,640	1,970
TRUCKEE	LAKE TAHOE *	732,000	126,300	433,100	KINGS	WISHON	128,300	48,910	33,160
	RYE PATCH *	190,000	13,100	57,700	PINE FLAT	1,001,500	369,620	408,830	
HUMBOLDT					KAWEAH	TERMINUS	143,000	22,180	8,580
CARSON	LAHONTAN *	317,280	61,700	101,700	TULE	SUCCESS	82,300	15,550	9,210
	TWIN LAKES	21,580	15,770	12,510	KERN	ISABELLA	588,100	105,910	129,520
	FRENCH MEADOWS	136,400	41,250	50,930	CUYAMA	TWITCHHELL *	240,100	5,160	5,160
AMERICAN	HELL HOLE	207,590	44,970	83,390	SANTA YNEZ	LAKE CACHUMA *	190,500	169,005	162,350
	LOON LAKE	76,500	48,670	14,630	COYOTE	LAKE CASITAS *	254,000	223,230	205,190
	ICE HOUSE	46,000	26,320	17,280	TOTAL - 85 RESERVOIRS	33,790,020	17,780,245	20,234,743	
	UNION VALLEY	277,300	119,640	49,360	TOTAL - 36 RESERVOIRS	18,992,650	10,806,615	12,402,490	
	SLAB CREEK	16,600	12,940	15,850	TOTAL - 18 RESERVOIRS	13,572,850	8,074,060	9,159,450	

** - Joint State-Federal Reservoir

* - USBR Reservoir

CVP - Central Valley Project

NR - Not Reported

Plant Generation and Energy Summary for 2001

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Generation in mwh</u>													
Shasta													
Gross	74665	34211	68312	135741	228345	284252	290477	189417	132335	78121	86359	49178	1,651,413
Net	74253	33817	67970	135424	228001	283920	290141	189104	132056	77852	85864	48720	1,647,122
Keswick													
Gross	20319	14239	20281	25937	43851	57696	62014	48711	37890	26199	20398	18202	395,737
Net	20145	14077	20113	25878	43669	57570	61899	48594	37783	26084	20278	18053	394,143
Trinity													
Gross	21180	12681	6990	23492	44786	54275	70366	67083	44804	44571	7772	6664	404,664
Net	21013	12531	6834	23322	44675	54181	70254	66970	44714	44486	7727	6527	403,234
JF Carr													
Gross	19626	8786	2	14674	13708	50880	83908	81819	52918	56941	748	0	384,010
Net	19441	8625	-81	14630	13663	50803	83809	81721	52839	56865	662	-93	382,884
Spring Creek PP													
Gross	15583	32635	36892	2838	11676	47538	82186	79647	56082	61593	0	26666	453,336
Net	15502	32549	36786	2764	11585	47439	82060	79519	55977	61485	-105	26563	452,124
Folsom													
Gross	32028	20755	24282	25967	30407	41264	34105	24681	22684	19605	9549	20104	305,431
Net	31754	20533	24092	25766	30253	41060	33883	24486	22473	19501	9315	19841	302,957
Nimbus													
Gross	4365	2804	3300	3446	3838	5211	4563	3322	3136	2792	1979	3032	41,788
Net	4357	2799	3290	3433	3823	5196	4552	3313	3124	2774	1959	3015	41,635
New Melones													
Gross	8677	5027	13887	55834	76862	56040	57743	51841	35450	14672	3771	6155	385,959
Net	8580	4951	13794	55830	76753	55927	57625	51721	35344	14556	3694	6058	384,833
O'Neill													
Gross	0	0	149	595	3868	1584	44	21	0	0	0	0	6,261
Net	0	0	112	565	3776	1476	15	9	0	3	0	0	5,956
Fed San Luis													
Out Meter	1372	0	0	12259	0	57107	16879	4239	0	0	0	0	91,856
Gross Generation	197,815	131,138	174,095	300,783	457,341	655,847	702,285	550,781	385,299	304,494	130,576	130,001	4,120,455
Net Generation	196,417	129,882	172,910	299,871	456,198	654,679	701,117	549,676	384,310	303,606	129,394	128,684	4,106,744
Stampede (Gross)	1,464	871	1,251	962	2,334	945	976	1,226	920	442	324	586	12,301
Stampede (Net)	1,432	842	1,224	937	2,315	930	961	1,211	904	424	302	558	12,040
<u>Energy in mwh</u>													
Tracy													
Tot Energy	39140	45613	26546	29792	12025	41782	59637	58993	56195	51253	52061	53088	526,125
Fed Off-Pk	19005	22080	12048	14545	5672	18963	29532	26674	28310	23198	26295	25812	252,134
O'Neill													
Tot Energy	7668	6321	2837	3656	0	399	1486	3049	5370	6556	9905	11591	58,838
Fed Off-Pk	3761	3101	1292	1786	0	210	709	1408	2766	2977	5010	5669	28,689
San Luis													
Fed Energy	24577	8433	11912	3015	9	107	126	2296	22647	28420	43567	52216	197,325
Fed Off-Pk	24397	8433	11897	2925	9	90	81	2221	22527	28390	42013	45361	188,344
Dos Amigos													
Fed Energy	10188	11665	5835	9672	15450	27264	21372	17527	6805	604	2196	3597	132,175
Fed Off-Pk	6403	7906	4737	7226	10110	15069	12282	8812	5335	604	2196	3597	84,277
Banks - Fed													
Fed Energy	0	0	0	0	0	0	11992	18421	11989	0	0	0	42,402
Fed Off-Pk	0	0	0	0	0	0	11422	16081	7053	0	0	0	34,556
Total Energy	81,573	72,032	47,130	46,135	27,484	69,552	94,613	100,286	103,006	86,833	107,729	120,492	956,865
Total Fed Off-Pk	53,566	41,520	29,974	26,482	15,791	34,332	54,026	55,196	65,991	55,169	75,514	80,439	588,000

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

Table 3

DECEMBER 2001

SHASTA LAKE DAILY OPERATIONS

RUN DATE: January 24, 2002

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	RIVER SPILL	OUTLET	C.F.S.	INCHES	
		2,284.4								
1	975.50	2,329.2	+44.8	25,317	2,710	0	0	0	.00	2.62
2	978.37	2,384.3	+55.1	30,618	2,835	0	0	0	.00	3.21
3	980.29	2,421.7	+37.4	21,236	2,401	0	0	0	.00	.61
4	981.18	2,439.1	+17.4	12,568	3,781	0	0	0	.00	.00
5	982.49	2,464.9	+25.8	15,928	2,909	0	0	0	.00	.80
6	983.78	2,490.5	+25.6	16,353	3,444	0	0	0	.00	1.40
7	984.63	2,507.5	+17.0	12,301	3,659	0	0	82	.14	.01
8	985.36	2,522.2	+14.6	10,611	3,152	0	0	77	.13	.00
9	985.88	2,532.6	+10.5	8,705	3,421	0	0	12	.02	.14
10	986.41	2,543.4	+10.7	8,819	3,364	0	0	36	.06	.14
11	986.86	2,552.5	+9.1	8,003	3,349	0	0	42	.07	.00
12	987.22	2,559.8	+7.3	7,281	3,601	0	0	0	.00	.00
13	987.77	2,571.0	+11.1	9,263	3,621	0	0	30	.05	.00
14	988.37	2,583.2	+12.2	9,736	3,574	0	0	0	.00	1.93
15	988.80	2,592.0	+8.8	7,661	3,173	0	0	54	.09	.00
16	989.25	2,601.2	+9.2	8,088	3,434	0	0	0	.00	.00
17	989.74	2,611.3	+10.1	8,260	3,180	0	0	0	.00	.87
18	990.42	2,625.3	+14.0	10,342	3,269	0	0	0	.00	.14
19	991.68	2,651.4	+26.1	15,354	2,180	0	0	0	.00	1.00
20	993.24	2,684.0	+32.6	18,520	2,083	0	0	0	.00	1.57
21	994.54	2,711.4	+27.4	14,158	351	0	0	0	.00	.52
22	996.27	2,748.2	+36.7	18,767	245	0	0	0	.00	1.05
23	998.00	2,785.2	+37.1	18,691	0	0	0	0	.00	1.66
24	999.19	2,811.0	+25.7	13,391	424	0	0	0	.00	.00
25	1,000.15	2,831.8	+20.9	11,242	727	0	0	0	.00	.00
26	1,000.96	2,849.5	+17.7	9,837	939	0	0	0	.00	.00
27	1,001.84	2,868.7	+19.3	10,620	902	0	0	0	.00	.00
28	1,002.93	2,892.7	+24.0	12,828	734	0	0	0	.00	.25
29	1,004.09	2,918.4	+25.7	14,553	1,603	0	0	0	.00	.90
30	1,005.47	2,949.2	+30.8	16,765	1,249	0	0	0	.00	.17
31	1,007.12	2,986.3	+37.1	19,682	991	0	0	0	.00	1.20
TOTALS			+701.8	425,498	71,305	0	0	333	.56	20.19
ACRE-FEET			+701,800	843,975	141,433	0	0	661		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	141,433	OUTLET	0	THIS MONTH =	20.19
SPILL	0	TOTAL	141,433	JULY 1, 2001 TO DATE =	39.41

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

DECEMBER 2001

TRINITY LAKE DAILY OPERATIONS

RUN DATE: March 3, 2003

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)	
		1,338.2								
1	2,289.42	1,340.8	+2.6	1,656	367	0	0	0	.00	.63
2	2,289.73	1,344.3	+3.4	2,081	317	0	0	26	.08	.75
3	2,290.09	1,348.3	+4.0	2,285	254	0	0	10	.03	.38
4	2,290.35	1,351.2	+2.9	1,744	270	0	0	7	.02	.02
5	2,290.60	1,354.0	+2.8	1,883	452	0	0	20	.06	.79
6	2,290.82	1,356.4	+2.5	1,750	509	0	0	0	.00	.68
7	2,291.00	1,358.4	+2.0	1,140	104	0	0	20	.06	.00
8	2,291.17	1,360.4	+1.9	1,365	393	0	0	7	.02	.00
9	2,291.29	1,361.7	+1.4	1,123	432	0	0	10	.03	.12
10	2,291.39	1,362.8	+1.1	910	342	0	0	0	.00	.00
11	2,291.48	1,363.8	+1.0	850	329	0	0	10	.03	.00
12	2,291.57	1,364.9	+1.0	848	327	0	0	10	.03	.00
13	2,291.69	1,366.2	+1.4	1,004	323	0	0	0	.00	.00
14	2,291.87	1,368.2	+2.0	1,482	461	0	0	0	.00	1.67
15	2,291.99	1,369.6	+1.4	1,011	330	0	0	0	.00	.00
16	2,292.11	1,370.9	+1.4	1,056	341	0	0	30	.09	.12
17	2,292.28	1,372.9	+1.9	1,321	347	0	0	3	.01	.64
18	2,292.45	1,374.8	+1.9	1,309	338	0	0	0	.00	.01
19	2,292.69	1,377.5	+2.7	1,780	410	0	0	0	.00	.86
20	2,293.00	1,381.0	+3.5	2,074	304	0	0	0	.00	.44
21	2,293.30	1,384.4	+3.4	2,042	319	0	0	0	.00	.52
22	2,293.60	1,387.9	+3.4	1,909	183	0	0	3	.01	.44
23	2,293.88	1,391.1	+3.2	1,765	140	0	0	17	.05	.09
24	2,294.12	1,393.8	+2.7	1,752	367	0	0	3	.01	.00
25	2,294.29	1,395.7	+1.9	1,367	378	0	0	7	.02	.00
26	2,294.44	1,397.5	+1.7	1,200	333	0	0	0	.00	.02
27	2,294.60	1,399.3	+1.8	1,331	400	0	0	7	.02	.00
28	2,294.88	1,402.5	+3.2	2,034	417	0	0	0	.00	.22
29	2,295.30	1,407.3	+4.8	2,810	370	0	0	3	.01	.29
30	2,295.81	1,413.2	+5.9	3,207	241	0	0	3	.01	.08
31	2,296.73	1,423.9	+10.7	5,617	243	0	0	3	.01	.62
TOTALS			+85.5	53,706	10,341	0	0	199	.60	9.39
ACRE-FEET			+85,500	106,526	20,511	0	0	395		

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	20,511	OUTLET	0	THIS MONTH =	9.39
SPILL	0	TOTAL	20,511	JULY 1, 2001 TO DATE =	21.06

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

Table 5

DECEMBER 2001

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: January 24, 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		
		212.0										
1	1,202.12	216.5	+4.5	2,464	0	2,464	200	0	0	.00	2.12	
2	1,203.29	220.1	+3.6	1,996	0	1,996	200	0	0	.00	2.10	
3	1,203.96	222.1	+2.1	1,235	0	1,235	200	0	0	.00	.60	
4	1,204.28	223.1	+1.0	698	0	698	200	0	0	.00	.00	
5	1,204.65	224.2	+1.1	775	0	775	200	0	0	.00	.80	
6	1,205.08	225.6	+1.3	870	0	870	200	0	0	.00	.45	
7	1,205.39	226.5	+1.0	686	0	686	200	0	0	.00	.00	
8	1,205.66	227.4	+0.8	623	0	623	200	0	0	.00	.00	
9	1,205.85	228.0	+0.6	498	0	498	200	0	0	.00	.22	
10	1,205.99	228.4	+0.4	424	0	424	200	0	0	5	.05	.00
11	1,206.09	228.7	+0.3	360	0	360	200	0	0	2	.02	.00
12	1,206.17	229.0	+0.3	329	0	329	200	0	0	3	.03	.00
13	1,206.39	229.7	+0.7	547	0	547	200	0	0	0	.00	.00
14	1,206.54	230.1	+0.5	437	0	437	200	0	0	0	.00	1.70
15	1,206.65	230.5	+0.3	388	0	388	200	0	15	0	.00	.00
16	1,206.77	230.8	+0.4	390	0	390	200	0	0	0	.00	.12
17	1,206.83	231.0	+0.2	469	0	469	200	0	174	0	.00	.70
18	1,206.81	231.0	-0.1	540	0	540	200	0	372	0	.00	.10
19	1,206.71	230.7	-0.3	1,009	0	1,009	200	0	967	0	.00	.83
20	1,206.97	231.5	+0.8	2,051	0	2,051	200	0	1,441	0	.00	1.55
21	1,206.11	228.8	-2.7	1,606	0	1,606	200	0	2,764	0	.00	.92
22	1,205.71	227.5	-1.2	2,072	0	2,072	200	0	2,500	0	.00	1.20
23	1,205.05	225.5	-2.1	1,412	0	1,412	200	0	2,247	0	.00	2.74
24	1,204.13	222.6	-2.8	1,042	0	1,042	200	0	2,271	2	.02	.00
25	1,203.04	219.3	-3.3	812	0	812	200	0	2,296	0	.00	.00
26	1,201.89	215.8	-3.5	702	0	702	200	0	2,264	0	.00	.08
27	1,200.78	212.5	-3.3	707	0	707	200	0	2,193	0	.00	.00
28	1,199.79	209.5	-3.0	943	0	943	200	0	2,235	0	.00	.26
29	1,198.95	207.0	-2.5	1,360	0	1,360	200	0	2,417	0	.00	1.48
30	1,198.92	206.9	-0.1	1,520	0	1,520	200	0	1,365	0	.00	.27
31	1,199.00	207.2	+0.2	1,962	0	1,962	200	0	1,643	0	.00	1.20
TOTALS			-4.8	30,927	0	30,927	6,200	0	27,164	12	.12	19.44
ACRE-FEET			-4.8	61,344	0	61,344	12,298	0	53,880	24		

* 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	53,880	OUTLET	12,298	THIS MONTH	19.44
SPILL	0	TOTAL	66,178	JULY 1, 2001 TO DATE	39.67

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

Table 6

DECEMBER 2001

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: January 24, 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
		13,882								
1	1,901.17	14,038	+156	379	0	150	150	0	0	.00
2	1,901.25	14,098	+60	330	0	150	150	0	0	.08
3	1,901.05	13,948	-150	225	80	150	70	0	1	.03
4	1,900.76	13,734	-214	192	80	150	70	0	0	.02
5	1,901.13	14,008	+274	439	80	150	70	0	1	.06
6	1,901.60	14,360	+352	477	80	150	70	0	0	.00
7	1,900.96	13,882	-478	60	80	150	70	0	1	.06
8	1,901.08	13,971	+89	345	80	150	70	0	0	.02
9	1,901.26	14,105	+134	369	80	150	70	0	1	.03
10	1,901.19	14,053	-52	274	80	150	70	0	0	.00
11	1,901.05	13,948	-105	248	70	202	28	0	1	.03
12	1,900.92	13,852	-96	253	80	220	0	0	1	.03
13	1,900.92	13,852	+0	300	80	220	0	0	0	.00
14	1,901.16	14,031	+179	390	80	220	0	0	0	.00
15	1,901.06	13,956	-75	262	80	220	0	0	0	.00
16	1,901.03	13,933	-23	290	80	220	0	0	2	.09
17	1,901.03	13,933	+0	300	80	220	0	0	0	.01
18	1,901.09	13,978	+45	323	80	220	0	0	0	.00
19	1,901.45	14,248	+270	436	80	220	0	0	0	.00
20	1,901.66	14,405	+157	379	80	220	0	0	0	.00
21	1,901.73	14,457	+52	326	80	220	0	0	0	.00
22	1,901.43	14,233	-224	187	80	220	0	0	0	.01
23	1,900.93	13,859	-374	112	80	220	0	0	1	.05
24	1,900.98	13,896	+37	319	80	220	0	0	0	.01
25	1,901.00	13,911	+15	308	80	220	0	0	0	.02
26	1,900.90	13,837	-74	263	80	220	0	0	0	.00
27	1,901.02	13,926	+89	345	80	220	0	0	0	.02
28	1,901.18	14,046	+120	360	80	220	0	0	0	.00
29	1,901.32	14,150	+104	352	80	220	0	0	0	.01
30	1,901.18	14,046	-104	248	80	220	0	0	0	.01
31	1,901.10	13,986	-60	270	80	220	0	0	0	.01
TOTALS			+104	9,361	2,310	6,102	888	0	9	.60
ACRE-FEET			+104	18,568	4,582	12,103	1,761	0	18	

* 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	4,582	JUDGE FRANCIS CARR POWERPLANT 0
TOTAL RIVER	18,446	TOTAL RELEASE 18,446

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

Table 7

DECEMBER 2001

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: January 24, 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	
		2,075							
1	752.56	2,715	+640	353	0	30			
2	759.26	3,127	+412	238	0	30			
3	761.39	3,264	+137	99	0	30			
4	761.93	3,299	+35	48	0	30			
5	762.74	3,353	+54	57	0	30			
6	764.26	3,453	+100	80	0	30			
7	764.88	3,495	+42	51	0	30			
8	765.02	3,504	+9	35	0	30			
9	765.01	3,504	+0	30	0	30			
10	764.76	3,487	-17	21	0	30			
11	764.37	3,461	-26	17	0	30			
12	763.88	3,428	-33	13	0	30			
13	763.87	3,427	-1	29	0	30			
14	764.58	3,475	+48	54	0	30			
15	764.61	3,477	+2	31	0	30			
16	764.48	3,468	-9	25	0	30			
17	764.56	3,474	+6	33	0	30			
18	764.58	3,475	+1	31	0	30			
19	765.69	3,550	+75	68	0	30			
20	770.23	3,866	+316	189	0	30			
21	772.16	4,005	+139	100	0	30			
22	777.20	4,381	+376	220	0	30			
23	779.86	4,588	+207	134	0	30			
24	780.95	4,674	+86	73	0	30			
25	781.43	4,713	+39	50	0	30			
26	781.60	4,727	+14	37	0	30			
27	781.70	4,735	+8	34	0	30			
28	781.98	4,757	+22	41	0	30			
29	783.30	4,864	+107	84	0	30			
30	784.91	4,997	+133	97	0	30			
31	787.05	5,175	+178	120	0	30			
TOTALS			+3,100	2,492	0	930			
ACRE-FEET			+3,100	4,943	0	1,845			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)	
SPILL	0
OUTLET	1,845
TOTAL	1,845

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

Table 8

DECEMBER 2001

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: January 24, 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)
		21,386								
1	584.57	22,242	+856	4,264	0	2,710	3,832	0	0	0
2	584.98	22,495	+253	3,946	0	2,835	3,818	0	0	0
3	582.37	20,907	-1,588	3,004	0	2,401	3,805	0	0	0
4	583.51	21,593	+686	4,151	0	3,781	3,805	0	0	0
5	582.45	20,955	-638	3,483	0	2,909	3,805	0	0	0
6	583.45	21,556	+601	4,111	0	3,444	3,808	0	0	0
7	584.47	22,180	+624	4,127	0	3,659	3,809	0	0	3
8	583.87	21,811	-369	3,625	0	3,152	3,809	0	0	2
9	583.38	21,514	-297	3,634	0	3,421	3,784	0	0	0
10	582.96	21,259	-255	3,663	0	3,364	3,791	0	0	1
11	582.32	20,877	-382	3,619	0	3,349	3,811	0	0	1
12	582.23	20,823	-54	3,767	0	3,601	3,794	0	0	0
13	582.83	21,182	+359	3,986	0	3,621	3,804	0	0	1
14	584.06	21,927	+745	4,190	0	3,574	3,814	0	0	0
15	583.36	21,502	-425	3,597	15	3,173	3,809	0	0	2
16	583.27	21,447	-55	3,777	0	3,434	3,805	0	0	0
17	583.11	21,350	-97	3,757	174	3,180	3,806	0	0	0
18	583.41	21,532	+182	3,896	372	3,269	3,804	0	0	0
19	583.00	21,283	-249	3,677	967	2,180	3,803	0	0	0
20	584.93	22,464	+1,181	4,407	1,441	2,083	3,812	0	0	0
21	584.89	22,439	-25	3,858	2,764	351	3,871	0	0	0
22	585.76	22,984	+545	3,958	2,500	245	3,683	0	0	0
23	584.08	21,939	-1,045	3,194	2,247	0	3,721	0	0	0
24	582.93	21,241	-698	3,293	2,271	424	3,645	0	0	0
25	582.39	20,919	-322	3,450	2,296	727	3,612	0	0	0
26	582.50	20,985	+66	3,684	2,264	939	3,651	0	0	0
27	582.03	20,704	-281	3,511	2,193	902	3,653	0	0	0
28	581.55	20,422	-282	3,510	2,235	734	3,652	0	0	0
29	584.61	22,266	+1,844	4,585	2,417	1,603	3,655	0	0	0
30	583.75	21,738	-528	3,382	1,365	1,249	3,648	0	0	0
31	583.04	21,307	-431	3,428	1,643	991	3,645	0	0	0
TOTALS			-79	116,534	27,164	71,305	116,564	0	0	10
ACRE-FEET			-79	231,145	53,880	141,433	231,205	0	0	20

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

SUMMARY
 RELEASE (ACRE-FEET)

POWER	231,205
SPILL	0
FISH TRAP	0

DECEMBER 2001 RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS RUN DATE: January 24, 2002

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		428				
1	239.11	363	-65	0	0	10,472
2	246.86	1,808	+1,445	0	0	34,061
3	244.90	1,324	-484	0	0	32,986
4	240.05	477	-847	0	0	7,002
5	239.24	379	-98	0	0	7,041
6	239.88	456	+77	0	0	25,786
7	240.23	502	+46	0	0	12,672
8	239.43	402	-100	0	0	12,110
9	239.10	362	-40	0	0	11,942
10	239.27	382	+20	0	0	10,261
11	238.81	331	-51	0	0	9,892
12	238.65	314	-17	0	0	9,043
13	238.55	304	-10	11	0	8,739
14	238.75	325	+21	0	0	13,065
15	241.24	645	+320	0	0	14,062
16	239.53	414	-231	0	0	10,573
17	239.03	354	-60	0	0	9,745
18	240.70	567	+213	0	0	14,646
19	239.57	418	-149	0	0	10,674
20	240.84	586	+168	0	0	12,902
21	244.00	1,130	+544	0	0	34,119
22	240.86	589	-541	0	0	16,007
23	242.89	917	+328	0	0	13,203
24	240.92	597	-320	0	0	15,843
25	239.74	439	-158	0	0	10,510
26	239.20	374	-65	0	0	9,808
27	238.90	340	-34	0	0	8,907
28	238.73	322	-18	0	0	850
29	240.68	564	+242	0	0	10,200
30	240.80	580	+16	0	0	16,800
31	242.43	837	+257	0	0	48,000
TOTALS			+409	11	0	461,921
ACRE-FEET			+409	22	0	916,220

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	22
TEHAMA-COLUSA CANAL	0
TO SACTO RIVER	916,220
TOTAL	916,242

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

Table 10

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

DECEMBER 2001

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	440.23	32130	3388	1744	36	36	0	0	0	0.00	0.83	64562	37800
2	441.72	34963	2833	1469	36	36	0	0	9	0.06	0.18	68603	41300
3	442.53	36566	1603	849	35	35	0	0	12	0.08	0.00	71377	33800
4	442.92	37353	787	436	35	35	0	0	8	0.05	0.00	72578	33800
5	443.18	37883	530	305	36	36	0	0	3	0.02	0.00	73975	32000
6	444.15	39910	2027	1058	35	35	0	0	2	0.01	0.00	75096	31300
7	445.22	42234	2324	1209	36	36	0	0	3	0.02	0.00	75056	31300
8	446.08	44164	1930	1012	36	36	0	0	5	0.03	0.42	74765	31600
9	446.88	46010	1846	990	37	37	0	0	45	0.25	0.00	74047	32400
10	447.24	46855	845	829	393	393	0	0	20	0.11	0.00	74031	32400
11	446.93	46126	-729	608	971	971	0	0	9	0.05	0.00	73870	32500
12	446.51	45150	-976	482	971	971	0	0	7	0.04	0.00	74436	32000
13	445.94	43846	-1304	317	969	969	0	0	10	0.06	0.62	75468	30900
14	446.37	44828	982	1463	958	958	0	0	19	0.11	0.00	76723	30900
15	446.60	45358	530	1232	955	955	0	0	20	0.11	0.00	76471	29900
16	446.60	45358	0	960	955	955	0	0	9	0.05	0.19	76862	29500
17	446.75	45706	348	1129	951	951	0	0	5	0.03	0.03	77959	28400
18	446.89	46033	327	1120	953	953	0	0	4	0.02	0.10	77840	28600
19	447.26	46903	870	1397	958	958	0	0	0	0.00	0.25	77679	28700
20	448.91	50905	4002	3220	1199.1	1199	0.1	0	6	0.03	0.73	80416	26000
21	450.91	56047	5142	3774	1179	1179	0	0	6	0.03	0.24	82445	24000
22	451.30	57089	1042	2818	2291	2291	0	0	4	0.02	0.32	84014	22400
23	449.25	51755	-5334	1924	4606	4606	0	0	14	0.07	0.00	84726	21700
24	446.42	44943	-6812	1438	4869	4869	0	0	7	0.04	0.00	84769	21600
25	443.17	37863	-7080	1239	4808	4808	0	0	0	0.00	0.02	84546	21900
26	439.89	31504	-6359	946	4150	4150	0	0	4	0.03	0.00	84240	22200
27	438.01	28203	-3301	961	2623	2623	0	0	5	0.04	0.09	84177	22200
28	438.16	28454	251	1570	1443	1443	0	0	0	0.00	1.11	85617	20800
29	441.10	33766	5312	3610	931	931	0	0	1	0.01	0.10	88341	19200
30	443.90	39381	5615	3770	938	938	0	0	3	0.02	0.65	89093	18300
31	446.45	45012	5631	5747	2907	2907	0	0	2	0.01	0.10	89029	18800
Totals	(sfd)			49626	41300	41300	0.1	0					
Totals	(ac-ft)		16270	98433	81919	81918.5			242				
Totals	(inches)									1.40	5.98		

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

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

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

Table 11

DECEMBER 2001

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: January 24, 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	
		261.9									
1	380.14	261.8	-0.1	1,172	1,130	0	0	95	0	.00	.04
2	380.94	266.0	+4.2	3,479	1,272	0	0	97	0	.00	.55
3	382.52	274.4	+8.4	5,311	967	0	0	105	0	.00	.94
4	383.03	277.2	+2.7	2,773	1,285	0	0	106	0	.00	.00
5	383.19	278.0	+0.9	2,039	1,505	0	0	95	0	.00	.06
6	383.46	279.5	+1.5	2,348	1,516	0	0	91	0	.00	.33
7	383.59	280.2	+0.7	1,993	1,539	0	0	97	0	.00	.01
8	383.62	280.4	+0.2	1,653	1,479	0	0	92	0	.00	.00
9	383.56	280.0	-0.3	1,336	1,377	0	0	98	25	.14	.18
10	383.61	280.3	+0.3	1,642	1,397	0	0	106	2	.01	.00
11	383.48	279.6	-0.7	1,382	1,633	0	0	106	0	.00	.00
12	383.42	279.3	-0.3	1,553	1,615	0	0	102	0	.00	.00
13	383.67	280.6	+1.4	2,101	1,318	0	0	97	0	.00	.01
14	384.12	283.1	+2.5	2,754	1,414	0	0	101	0	.00	.82
15	384.40	284.6	+1.5	2,301	1,422	0	0	101	0	.00	.00
16	384.46	285.0	+0.3	1,785	1,517	0	0	101	0	.00	.00
17	384.64	286.0	+1.0	2,139	1,538	0	0	101	0	.00	.19
18	385.07	288.3	+2.4	2,800	1,500	0	0	102	0	.00	.17
19	385.51	290.8	+2.5	2,810	1,470	0	0	101	0	.00	.00
20	386.18	294.6	+3.8	3,342	1,348	0	0	101	0	.00	.39
21	386.81	298.1	+3.6	3,722	1,825	0	0	100	0	.00	.51
22	387.33	301.1	+3.0	2,871	1,276	0	0	100	0	.00	.00
23	388.08	305.4	+4.3	3,379	1,107	0	0	102	0	.00	.70
24	388.47	307.7	+2.3	2,507	1,265	0	0	101	0	.00	.00
25	388.47	307.7	+0.0	1,897	1,796	0	0	101	0	.00	.00
26	388.61	308.5	+0.8	1,836	1,325	0	0	101	0	.00	.00
27	388.83	309.7	+1.3	2,137	1,394	0	0	99	0	.00	.00
28	389.66	314.6	+4.9	3,912	1,361	0	0	97	0	.00	.02
29	390.39	318.9	+4.3	4,023	1,748	0	0	97	0	.00	1.24
30	391.35	324.7	+5.7	3,949	959	0	0	97	0	.00	.21
31	393.42	337.3	+12.6	7,815	1,362	0	0	97	0	.00	.48
TOTALS			+75.7	84,761	43,660	0	0	3,087	27	.15	6.85
ACRE-FEET			+75,700	168,123	86,600	0	0	6,123	54		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	86,600	OUTLET	0	THIS MONTH =	6.85
SPILL	0	TOTAL	92,723	JULY 1, 2001 TO DATE =	11.42
PUMPING PLANT	6,123				

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

Table 12

DECEMBER 2001

LAKE NATOMA DAILY OPERATIONS

RUN DATE: January 24, 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	123.24	7,904	+333	1,191	35	928	0	60	0
2	124.40	8,461	+557	1,538	15	1,182	0	60	0
3	123.67	8,106	-355	1,047	0	1,166	0	60	0
4	123.64	8,092	-14	1,318	18	1,249	0	58	0
5	123.65	8,097	+5	1,529	30	1,436	0	60	0
6	123.74	8,139	+42	1,553	30	1,442	0	60	0
7	123.97	8,247	+108	1,584	30	1,440	0	60	0
8	123.56	8,054	-193	1,436	30	1,443	0	60	0
9	123.68	8,111	+57	1,589	30	1,468	0	60	2
10	123.24	7,904	-207	1,437	30	1,451	0	60	0
11	123.56	8,054	+150	1,614	30	1,448	0	60	0
12	123.84	8,186	+132	1,598	30	1,441	0	60	0
13	123.27	7,918	-268	1,401	30	1,446	0	60	0
14	123.41	7,984	+66	1,591	30	1,468	0	60	0
15	123.03	7,805	-179	1,454	30	1,454	0	60	0
16	123.00	7,791	-14	1,532	30	1,449	0	60	0
17	123.17	7,871	+80	1,596	30	1,466	0	60	0
18	123.13	7,852	-19	1,546	30	1,466	0	60	0
19	123.04	7,810	-42	1,520	30	1,451	0	60	0
20	123.22	7,894	+84	1,544	30	1,414	0	58	0
21	124.58	8,551	+657	1,873	30	1,452	0	60	0
22	124.06	8,291	-260	1,399	30	1,440	0	60	0
23	123.20	7,885	-406	1,341	30	1,456	0	60	0
24	122.49	7,562	-323	1,366	30	1,439	0	60	0
25	123.69	8,115	+553	1,800	30	1,431	0	60	0
26	123.03	7,805	-310	1,393	30	1,459	0	60	0
27	122.67	7,643	-162	1,446	30	1,438	0	60	0
28	122.58	7,602	-41	1,502	30	1,433	0	60	0
29	124.41	8,466	+864	1,977	30	1,451	0	60	0
30	123.07	7,824	-642	1,204	30	1,438	0	60	0
31	123.25	7,909	+85	1,572	30	1,439	0	60	0
TOTALS			+338	46,491	878	43,584	0	1,856	2
ACRE-FEET			+338	92,215	1,742	86,449	0	3,681	4

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	86,449	FOLSOM SOUTH CANAL	1,742	TOTAL	91,872
SPILL	0	HATCHERY	3,681		

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

Table 13

DECEMBER 2001

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: January 24, 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		
		1,471.4									
1	999.89	1,470.2	-1.2	857	1,452	0	0	6	.02	.16	
2	1,000.37	1,474.6	+4.4	2,517	284	0	0	9	.03	.56	
3	1,000.87	1,479.2	+4.6	2,356	0	0	0	36	.12	1.30	
4	1,000.96	1,480.0	+0.8	444	0	0	0	27	.09	.00	
5	1,001.05	1,480.8	+0.8	461	28	0	0	15	.05	.01	
6	1,001.21	1,482.3	+1.5	745	0	0	0	0	.00	.13	
7	1,001.21	1,482.3	+0.0	816	795	0	0	21	.07	.02	
8	1,001.35	1,483.6	+1.3	670	0	0	0	18	.06	.00	
9	1,001.48	1,484.8	+1.2	611	0	0	0	6	.02	.07	
10	1,001.64	1,486.3	+1.5	751	0	0	0	6	.02	.01	
11	1,001.71	1,486.9	+0.6	775	437	0	0	12	.04	.00	
12	1,001.57	1,485.6	-1.3	744	1,387	0	0	9	.03	.00	
13	1,001.73	1,487.1	+1.5	748	0	0	0	3	.01	.00	
14	1,001.89	1,488.6	+1.5	903	146	0	0	12	.04	.52	
15	1,001.99	1,489.5	+0.9	577	102	0	0	9	.03	.05	
16	1,002.04	1,490.0	+0.5	366	0	0	124	9	.03	.05	
17	1,001.97	1,489.3	-0.6	677	995	0	0	9	.03	.00	
18	1,002.07	1,490.3	+0.9	473	0	0	0	6	.02	.42	
19	1,002.17	1,491.2	+0.9	479	0	0	0	12	.04	.00	
20	1,002.24	1,491.8	+0.6	1,073	740	0	0	6	.02	.33	
21	1,002.38	1,493.1	+1.3	669	0	0	0	15	.05	.61	
22	1,002.31	1,492.5	-0.6	849	1,173	0	0	3	.01	.02	
23	1,002.46	1,493.9	+1.4	707	0	0	0	6	.02	.38	
24	1,002.61	1,495.3	+1.4	710	0	0	0	9	.03	.00	
25	1,002.73	1,496.4	+1.1	573	0	0	0	12	.04	.00	
26	1,002.85	1,497.5	+1.1	591	24	0	0	6	.02	.00	
27	1,003.03	1,499.2	+1.7	848	0	0	0	6	.02	.00	
28	1,003.36	1,502.2	+3.1	1,552	0	0	0	3	.01	.02	
29	1,003.89	1,507.2	+4.9	2,493	0	0	0	6	.02	1.84	
30	1,004.31	1,511.1	+3.9	1,985	0	0	0	9	.03	.34	
31	1,004.88	1,516.4	+5.3	2,691	0	0	0	6	.02	1.09	
TOTALS			+45.0	30,711	7,563	0	124	312	1.04	7.93	
ACRE-FEET			+45,000	60,915	15,001	0	246	619			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	15,001	OUTLET	246
SPILL	0	TOTAL	15,247
		THIS MONTH =	7.93
		JULY 1, 2001 TO DATE =	12.62

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

DECEMBER 2001

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.	
		ACRE-FEET	CHANGE		RELEASE	OUTLET	SPILL	JOINT
		RES.					MAIN	MAIN
		545						
1	360.05	541	-4	332	0	352	5	0
2	360.08	543	+2	330	0	350	5	0
3	360.08	543	+0	332	0	351	4	0
4	360.08	543	+0	338	0	352	0	0
5	360.08	543	+0	361	0	353	0	0
6	360.08	543	+0	367	0	347	0	0
7	360.08	543	+0	359	0	356	0	0
8	360.05	541	-2	370	0	351	0	0
9	360.08	543	+2	369	0	354	0	0
10	360.08	543	+0	366	0	355	0	0
11	360.08	543	+0	365	0	354	0	0
12	360.11	545	+2	357	0	353	0	0
13	360.08	543	-2	376	0	354	0	0
14	360.08	543	+0	363	0	353	0	0
15	360.08	543	+0	363	0	353	0	0
16	360.08	543	+0	363	0	351	0	0
17	360.08	543	+0	365	0	356	0	0
18	360.08	543	+0	366	0	355	0	0
19	360.08	543	+0	365	0	354	0	0
20	360.05	541	-2	349	0	343	0	0
21	360.05	541	+0	308	0	318	0	0
22	360.05	541	+0	290	0	308	0	0
23	360.05	541	+0	290	0	306	0	0
24	360.05	541	+0	289	0	305	0	0
25	360.05	541	+0	290	0	308	0	0
26	360.05	541	+0	292	0	308	0	0
27	360.03	539	-2	289	0	305	0	0
28	360.03	539	+0	279	0	299	0	0
29	360.03	539	+0	271	0	308	0	0
30	360.00	537	-2	279	0	303	0	0
31	360.05	541	+4	283	0	302	0	0
TOTALS			-4	10,316	0	10,417	14	0
ACRE-FEET			-4	20,462	0	20,662	28	0

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	28	OUTLET	0
SOUTH MAIN CANAL	0	SPILL	20,662
		TOTAL	20,690

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

Table 15

DECEMBER 2001

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: January 24, 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			
		175.5									
1	485.77	176.3	+0.7	528	0	0	0	132	18	.22	
2	486.13	177.2	+0.9	604	0	0	0	132	1	.01	
3	486.74	178.8	+1.6	941	0	0	0	132	6	.07	
4	487.13	179.8	+1.0	735	0	88	0	132	1	.01	
5	487.52	180.9	+1.0	810	0	153	0	132	8	.09	
6	487.68	181.3	+0.4	435	0	90	0	132	1	.01	
7	488.10	182.4	+1.1	694	0	0	0	132	3	.03	
8	488.38	183.1	+0.7	510	0	0	0	132	3	.03	
9	488.75	184.1	+1.0	636	0	0	0	132	9	.11	
10	489.02	184.8	+0.7	509	0	0	0	132	15	.17	
11	489.45	186.0	+1.2	718	0	0	0	133	4	.05	
12	489.84	187.0	+1.0	757	0	94	0	133	4	.05	
13	490.21	188.0	+1.0	800	0	162	0	133	2	.02	
14	490.59	189.1	+1.0	827	0	163	0	134	11	.12	
15	490.73	189.4	+0.4	493	0	164	0	134	4	.04	
16	490.86	189.8	+0.4	484	0	164	0	134	8	.09	
17	491.24	190.8	+1.0	826	0	165	0	134	5	.06	
18	491.68	192.0	+1.2	912	0	166	0	134	5	.06	
19	491.96	192.8	+0.8	689	0	167	0	134	2	.02	
20	492.45	194.1	+1.4	984	0	168	0	134	1	.01	
21	492.73	194.9	+0.8	670	0	169	0	108	4	.04	
22	492.87	195.3	+0.4	458	0	170	0	89	4	.05	
23	493.18	196.2	+0.9	700	0	171	0	89	6	.07	
24	493.60	197.3	+1.2	750	0	72	0	89	0	.00	
25	494.01	198.5	+1.1	669	0	0	0	89	5	.05	
26	494.41	199.6	+1.1	659	0	0	0	89	4	.04	
27	494.98	201.2	+1.6	903	0	0	0	91	5	.05	
28	495.65	203.1	+1.9	1,154	0	103	0	92	3	.03	
29	497.11	207.2	+4.2	2,384	0	183	0	92	11	.12	
30	498.15	210.2	+3.0	1,806	0	184	0	94	16	.17	
31	499.20	213.3	+3.1	1,837	0	186	0	94	17	.18	
TOTALS			+37.8	25,882	0	2,982	0	3,673	186	2.07	3.55
ACRE-Feet			+37,765	51,337	0	5,915	0	7,285	369		

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 =	3.55
MADERA	TOTAL RELEASES	JULY 1, 2001 TO DATE =	6.72

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

Table 16

December 2001

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport -prev day-	S RTP -prev wk-	Yolo + Misc -prev day-	East Side Streams -prev day-	S. Joaquin River@Vernalis			Total Delta Inflow		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDO daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
12/01/2001	16,196	208	241	363	2,003	1,974	1,956	19,011	(2,336)	1,005	1,021	64	0	48	2,139	2,910	19,208	17,660	19,208	10.7%	14.4%	16.6%
12/02/2001	18,884	209	1,886	395	1,956	1,972	1,981	23,330	(4,846)	1,000	1,026	62	0	53	2,141	2,089	26,036	19,756	22,622	8.7%	10.1%	11.5%
12/03/2001	22,834	211	3,228	492	2,005	1,997	2,030	28,770	(8,498)	996	1,023	24	0	55	2,098	2,024	35,169	22,409	26,805	7.0%	8.5%	10.6%
12/04/2001	28,968	212	1,370	846	2,128	2,017	2,045	33,524	(7,307)	1,995	1,502	12	0	54	3,562	2,514	37,268	25,279	29,421	10.4%	8.8%	12.3%
12/05/2001	33,944	213	146	584	2,090	2,036	2,052	36,977	(4,518)	3,991	3,523	17	0	44	7,575	4,343	33,920	27,436	30,321	20.3%	13.1%	19.6%
12/06/2001	32,800	214	0	486	2,082	2,054	2,063	35,582	(4,975)	6,675	4,124	48	0	46	10,892	7,270	29,665	28,785	30,211	30.3%	20.6%	30.6%
12/07/2001	30,200	216	704	482	2,114	2,074	2,074	33,716	(2,414)	6,672	3,995	67	12	34	10,756	9,660	25,374	29,520	29,520	31.6%	27.3%	38.3%
12/08/2001	27,200	217	46	431	2,145	2,100	2,082	30,039	1,237	6,680	4,054	64	12	23	10,808	10,733	17,994	29,347	28,079	35.7%	32.4%	40.8%
12/09/2001	27,896	217	0	395	2,135	2,112	2,083	30,643	1,694	6,676	4,063	64	0	22	10,824	10,713	18,126	28,217	26,973	35.0%	34.0%	39.2%
12/10/2001	26,952	217	0	378	2,089	2,096	2,076	29,636	1,515	6,049	4,064	70	0	18	10,202	10,528	17,919	25,752	26,068	34.1%	35.0%	37.7%
12/11/2001	24,320	217	0	372	2,019	2,081	2,068	26,928	1,972	6,635	3,902	71	0	10	10,617	10,463	14,339	22,477	25,002	39.1%	36.0%	37.1%
12/12/2001	22,275	217	0	363	1,986	2,064	2,059	24,841	1,972	6,674	4,227	67	0	0	10,967	10,517	11,902	19,331	23,910	43.9%	38.8%	37.3%
12/13/2001	20,900	217	0	346	1,961	2,039	2,050	23,424	1,972	6,666	4,068	67	0	0	10,801	10,724	10,652	16,615	22,890	45.8%	42.8%	37.9%
12/14/2001	18,988	217	0	330	1,938	2,004	2,039	21,473	831	6,676	4,083	61	7	0	10,813	10,798	9,830	14,394	21,957	50.1%	46.4%	38.0%
12/15/2001	17,813	217	915	462	1,897	1,968	2,029	21,304	(995)	7,193	4,072	69	0	0	11,334	10,919	10,965	13,390	21,224	52.9%	49.5%	38.2%
12/16/2001	19,043	217	38	477	1,887	1,930	2,016	21,662	(995)	7,243	4,063	74	0	0	11,379	11,110	11,278	12,412	20,603	52.2%	51.7%	39.0%
12/17/2001	24,138	217	0	401	1,825	1,895	2,002	26,581	(995)	7,241	4,097	70	0	8	11,415	11,303	16,161	12,161	20,342	42.7%	48.8%	39.9%
12/18/2001	24,947	217	12	432	1,771	1,864	1,989	27,379	(2,186)	7,245	4,047	79	0	10	11,381	11,312	18,184	12,710	20,222	41.2%	44.9%	40.6%
12/19/2001	23,448	217	8	540	1,766	1,833	1,976	25,979	(1,273)	7,247	4,076	77	0	9	11,409	11,318	15,844	13,273	19,991	43.6%	42.5%	41.8%
12/20/2001	24,130	217	0	474	1,748	1,809	1,965	26,569	552	7,195	4,065	66	0	17	11,342	11,292	14,674	13,848	19,725	42.4%	42.4%	42.7%
12/21/2001	24,743	217	745	682	1,767	1,809	1,962	28,154	(1,780)	6,763	4,035	64	0	9	10,871	11,127	19,063	15,167	19,694	38.4%	41.4%	42.7%
12/22/2001	26,835	217	1,441	713	1,902	1,824	1,964	31,108	(2,008)	7,164	4,070	72	0	3	11,308	11,097	21,808	16,716	19,790	36.1%	38.8%	42.5%
12/23/2001	31,900	217	1,095	570	1,989	1,859	1,968	35,771	(1,830)	6,337	4,062	82	0	0	10,481	10,810	27,120	18,979	20,109	29.1%	34.1%	40.8%
12/24/2001	35,600	217	1,018	737	2,068	1,889	1,969	39,640	(2,286)	6,445	4,065	81	0	7	10,597	10,714	31,329	21,146	20,576	26.5%	30.2%	39.4%
12/25/2001	36,200	217	289	650	1,982	1,910	1,967	39,338	(2,108)	7,235	4,049	72	0	4	11,359	10,731	30,087	22,846	20,957	28.7%	28.1%	38.2%
12/26/2001	36,204	217	49	531	1,913	1,927	1,963	38,914	174	7,242	4,067	72	0	7	11,387	11,034	27,353	24,490	21,203	29.1%	28.1%	37.9%
12/27/2001	34,580	217	0	474	1,870	1,936	1,958	37,141	352	7,241	4,079	67	0	11	11,397	11,304	25,392	26,021	21,358	30.5%	29.4%	37.6%
12/28/2001	31,396	217	0	446	1,827	1,926	1,953	33,886	809	7,231	4,087	54	0	18	11,389	11,315	21,688	26,396	21,370	33.4%	30.9%	36.5%
12/29/2001	29,012	217	710	570	1,832	1,949	1,960	32,341	(6,316)	7,244	4,027	42	0	19	11,331	11,303	27,325	27,185	21,575	34.9%	32.8%	35.6%
12/30/2001	28,752	217	3,368	951	2,151	2,130	2,006	35,439	(10,474)	7,291	4,075	40	0	25	11,431	11,318	34,481	28,236	22,005	32.1%	33.4%	34.6%
12/31/2001	30,608	217	1,764	939	3,337	2,554	2,101	36,865	(13,034)	7,743	4,084	64	0	24	11,914	11,488	37,985	29,187	22,521	32.1%	32.9%	34.3%
Total	831,706	6,691	19,073	16,312	62,183	61,632	62,404	935,965	(68,094)	189,689	113,791	1,898	31	574	305,921	294,779	698,138	661,144	716,251	1028.4%	1007.8%	1069.8%
Average	26,829	216	615	526	2,006	1,988	2,013	30,192	(2,197)	6,119	3,671	61	1	19	9,868	9,509	22,521	21,327	716,251	33.2%	32.5%	34.5%

DECEMBER 2001

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

RUN DATE: January 24, 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	
		964,447									
1	449.33	965,633	+1,186	862	0	143	0	-121	10	.03	.03
2	449.67	968,999	+3,366	1,559	0	149	0	+287	39	.12	.07
3	449.56	967,910	-1,089	0	460	149	0	+59	13	.04	.30
4	449.54	967,712	-198	0	0	172	0	+73	26	.08	.11
5	450.14	973,658	+5,946	3,763	0	142	0	-623	19	.06	.00
6	451.27	984,889	+11,231	6,121	0	128	0	-331	13	.04	.00
7	453.00	1,002,166	+17,277	9,295	0	143	0	-442	6	.02	.00
8	454.43	1,016,523	+14,357	7,549	0	137	0	-174	20	.06	.00
9	456.81	1,040,566	+24,043	12,831	0	141	0	-568	10	.03	.00
10	458.43	1,057,038	+16,472	9,034	0	146	0	-583	43	.13	.02
11	459.88	1,071,853	+14,815	8,062	0	141	0	-451	26	.08	.00
12	461.11	1,084,473	+12,620	6,836	0	145	0	-329	33	.10	.00
13	462.54	1,099,205	+14,732	7,925	0	159	0	-339	23	.07	.00
14	464.00	1,114,314	+15,109	8,287	0	156	0	-514	0	.00	.21
15	465.40	1,128,864	+14,550	8,012	0	166	0	-511	40	.12	.00
16	467.61	1,151,957	+23,093	12,419	0	158	0	-618	37	.11	.00
17	468.66	1,162,981	+11,024	6,051	0	175	0	-318	3	.01	.00
18	469.94	1,176,466	+13,485	7,498	0	133	0	-567	0	.00	.08
19	471.30	1,190,848	+14,382	7,840	0	136	0	-454	0	.00	.00
20	472.66	1,205,286	+14,438	7,911	0	217	0	-414	3	.01	.00
21	474.08	1,220,421	+15,135	7,942	0	159	0	-152	21	.06	.46
22	475.06	1,230,900	+10,479	5,733	0	161	0	-289	7	.02	.00
23	477.14	1,253,271	+22,371	12,111	0	163	0	-670	10	.03	.12
24	478.15	1,264,176	+10,905	5,933	0	160	0	-275	25	.07	.00
25	480.17	1,286,081	+21,905	11,910	0	140	0	-726	4	.01	.01
26	481.33	1,298,716	+12,635	5,740	0	152	0	+782	11	.03	.00
27	482.57	1,312,268	+13,552	7,286	0	170	0	-283	7	.02	.00
28	484.25	1,330,704	+18,436	9,756	0	157	0	-305	0	.00	.01
29	485.95	1,349,446	+18,742	9,856	0	152	0	-256	0	.00	.51
30	487.89	1,370,941	+21,495	11,571	0	147	0	-588	0	.00	.14
31	489.21	1,385,632	+14,691	7,851	0	58	10	-377	14	.04	.16
TOTALS			+421,185	227,544	460	4,655	10	-10,077	463	1.39	2.23
ACRE-FEET			+421,185	451,334	912	9,233	20	-19,988	918		

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	912	SPILL	20	THIS MONTH =	2.23
PACHECO TUNNEL	9,233	TOTAL	10,165	JULY 1, 2001 TO DATE =	4.39

DECEMBER 2001

CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY
DAILY OPERATIONS

RUN DATE: January 24, 2002

DAY	ELEV	STORAGE		INFLOW - C.F.S.			RELEASE - C.F.S.			* DELIV.	GAINS(+) OR LOSS(-) C.F.S.
		IN LAKE	ACRE- FEET CHANGE	O'NEILL PUMPING	S. LUIS GEN.	CALIF. AQUEDUCT	O'NEILL GEN.	S. LUIS PUMPING	DOS AMIGOS PUMPING		
		41,579									
1	218.89	40,305	-1,274	615	0	938	0	862	1,271		-62
2	218.00	38,072	-2,233	681	0	1,451	0	1,559	1,770		+70
3	218.81	40,103	+2,031	715	460	998	0	0	1,016		-133
4	219.80	42,635	+2,532	1,187	0	1,714	0	0	1,683		+58
5	220.42	44,244	+1,609	2,647	0	4,005	0	3,763	2,059		-19
6	222.33	49,261	+5,017	3,582	0	6,205	0	6,121	1,646		+510
7	221.79	47,835	-1,426	3,604	0	5,601	0	9,295	911		+282
8	222.24	49,022	+1,187	3,569	0	6,097	0	7,549	1,871		+352
9	219.33	41,426	-7,596	3,646	0	6,549	0	12,831	1,547		+354
10	219.01	40,610	-816	3,702	0	6,120	0	9,034	1,559		+358
11	219.08	40,788	+178	3,668	0	5,749	0	8,062	1,628		+361
12	221.32	46,600	+5,812	3,659	0	6,738	0	6,836	1,033		+402
13	221.47	46,994	+394	3,673	0	6,307	0	7,925	2,268		+412
14	221.57	47,257	+263	3,690	0	6,654	0	8,287	2,311		+386
15	222.30	49,182	+1,925	3,687	0	6,624	0	8,012	1,726		+397
16	219.05	40,711	-8,471	3,709	0	6,578	0	12,419	2,601		+463
17	220.82	45,289	+4,578	3,671	0	6,943	0	6,051	2,505		+250
18	221.94	48,229	+2,940	3,693	0	6,682	0	7,498	1,973		+579
19	222.24	49,022	+793	3,718	0	6,484	0	7,840	2,384		+422
20	222.72	50,299	+1,277	3,710	0	6,957	0	7,911	2,652		+539
21	222.91	50,806	+507	3,373	0	6,657	0	7,942	2,143		+310
22	224.62	55,401	+4,595	3,106	0	6,795	0	5,733	2,300		+450
23	221.58	47,283	-8,118	3,184	0	6,644	0	12,111	2,459		+650
24	223.19	51,554	+4,271	3,172	0	6,767	0	5,933	2,144		+292
25	220.42	44,244	-7,310	3,407	0	7,211	0	11,910	2,958		+564
26	222.88	50,726	+6,482	3,509	0	6,855	0	5,740	1,718		+362
27	224.00	53,727	+3,001	3,532	0	7,086	0	7,286	2,107		+288
28	224.00	53,727	+0	3,616	0	6,944	0	9,756	1,287		+483
29	223.70	52,920	-807	3,638	0	6,937	0	9,856	1,538		+412
30	221.46	46,968	-5,952	3,605	0	6,977	0	11,571	2,611		+600
31	223.04	51,153	+4,185	3,587	0	7,229	0	7,851	1,248		+445
TOTALS			+9,574	98,555	460	181,496	0	227,544	58,927		+10,837
ACRE- FEET			+9,574	195,484	912	359,997	0	451,334	116,882	103	21,495

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

SUMMARY
RELEASE (ACRE- FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	116,882		
SAN LUIS PUMP	451,334	DELIVERIES	103	TOTAL	568,319

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

Table 19

DECEMBER 2001

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: January 24, 2002

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	FED	STATE	GENER TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	1,860	0	1,860	1,219	0	1,219	0	1,694	15	1,709	0	0	0	283	317	2,205	2,522
2	2,879	0	2,879	1,351	0	1,351	0	3,050	42	3,092	0	0	0	295	343	3,167	3,510
3	1,979	0	1,979	1,419	0	1,419	0	0	0	0	0	912	912	295	314	1,701	2,015
4	3,400	0	3,400	2,355	0	2,355	0	0	0	0	0	0	0	342	319	3,020	3,339
5	7,943	0	7,943	5,251	0	5,251	0	4,740	2,723	7,463	0	0	0	281	328	3,756	4,084
6	12,307	0	12,307	7,105	0	7,105	0	4,671	7,470	12,141	0	0	0	253	326	2,939	3,265
7	11,110	0	11,110	7,148	0	7,148	0	7,255	11,182	18,437	0	0	0	284	328	1,479	1,807
8	12,094	0	12,094	7,080	0	7,080	0	4,619	10,355	14,974	0	0	0	272	323	3,388	3,711
9	12,990	0	12,990	7,231	0	7,231	0	12,265	13,185	25,450	0	0	0	280	342	2,727	3,069
10	12,140	0	12,140	7,343	0	7,343	0	7,446	10,472	17,918	0	0	0	290	320	2,772	3,092
11	11,404	0	11,404	7,276	0	7,276	0	7,404	8,586	15,990	0	0	0	280	321	2,908	3,229
12	13,365	0	13,365	7,258	0	7,258	0	4,538	9,021	13,559	0	0	0	287	320	1,729	2,049
13	12,509	0	12,509	7,286	0	7,286	0	4,479	11,241	15,720	0	0	0	316	1,058	3,440	4,498
14	13,198	0	13,198	7,319	0	7,319	0	7,303	9,134	16,437	0	0	0	309	1,049	3,534	4,583
15	13,139	0	13,139	7,314	0	7,314	0	6,919	8,973	15,892	0	0	0	329	1,025	2,399	3,424
16	13,047	0	13,047	7,356	0	7,356	0	11,726	12,907	24,633	0	0	0	314	1,027	4,132	5,159
17	13,772	0	13,772	7,281	0	7,281	0	4,369	7,634	12,003	0	0	0	348	1,011	3,957	4,968
18	13,253	0	13,253	7,325	0	7,325	0	4,392	10,481	14,873	0	0	0	263	1,084	2,829	3,913
19	12,862	0	12,862	7,374	0	7,374	0	6,774	8,777	15,551	0	0	0	269	1,061	3,668	4,729
20	13,799	0	13,799	7,359	0	7,359	0	6,858	8,833	15,691	0	0	0	431	1,235	4,025	5,260
21	13,204	0	13,204	6,691	0	6,691	0	6,663	9,089	15,752	0	0	0	315	1,286	2,964	4,250
22	13,477	0	13,477	6,160	0	6,160	0	1,455	9,917	11,372	0	0	0	320	1,269	3,294	4,563
23	13,178	0	13,178	6,315	0	6,315	0	11,452	12,571	24,023	0	0	0	323	1,253	3,625	4,878
24	13,422	0	13,422	6,291	0	6,291	0	939	10,829	11,768	0	0	0	318	1,276	2,977	4,253
25	14,303	0	14,303	6,758	0	6,758	0	11,288	12,335	23,623	0	0	0	278	1,246	4,621	5,867
26	13,596	0	13,596	6,960	0	6,960	0	4,186	7,199	11,385	0	0	0	301	1,213	2,194	3,407
27	14,056	0	14,056	7,005	0	7,005	0	4,191	10,260	14,451	0	0	0	338	1,262	2,918	4,180
28	13,774	0	13,774	7,172	0	7,172	0	4,210	15,142	19,352	0	0	0	311	1,263	1,289	2,552
29	13,760	0	13,760	7,216	0	7,216	0	6,526	13,024	19,550	0	0	0	301	1,240	1,811	3,051
30	13,838	0	13,838	7,151	0	7,151	0	11,030	11,922	22,952	0	0	0	291	1,262	3,917	5,179
31	14,338	0	14,338	7,115	0	7,115	0	3,818	11,755	15,573	0	0	0	116	1,187	1,288	2,475
TOTAL	359,996	0	359,996	195,484	0	195,484	0	451,334	912	452,246	0	0	9,233	116,881	26,208	90,673	0
FEDERAL	0	0	0	195,484	0	195,484	0	176,260	0	176,260	0	0	0	26,208	26,208	90,673	0
STATE	359,996	0	359,996	0	0	0	0	275,074	912	275,986	0	0	9,233	0	0	0	0

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

DECEMBER 2001

FEDERAL-STATE OPERATIONS

RUN DATE: January 24, 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	2,025	0	2,025	1,994	2,381	0	2,381	0	0	0	2,090	0	2,090	806
2	2,035	0	2,035	1,983	2,992	0	2,992	0	0	0	2,777	0	2,777	684
3	2,030	0	2,030	1,975	2,491	0	2,491	0	0	0	1,644	0	1,644	611
4	2,979	0	2,979	3,957	3,828	0	3,828	0	0	0	2,248	0	2,248	624
5	6,987	0	6,987	7,917	8,067	0	8,067	0	0	0	3,541	0	3,541	1,736
6	8,179	0	8,179	13,239	12,552	0	12,552	0	0	0	2,280	0	2,280	1,074
7	7,925	0	7,925	13,233	13,059	0	13,059	0	0	24	1,501	0	1,501	777
8	8,041	0	8,041	13,249	12,602	0	12,602	0	0	24	2,282	0	2,282	961
9	8,058	0	8,058	13,241	13,004	0	13,004	0	0	0	2,920	0	2,920	827
10	8,061	0	8,061	11,999	12,794	0	12,794	0	0	0	2,623	0	2,623	718
11	7,739	0	7,739	13,161	12,796	0	12,796	0	0	0	3,092	0	3,092	463
12	8,384	0	8,384	13,238	12,830	0	12,830	0	0	0	2,261	0	2,261	1,126
13	8,068	0	8,068	13,223	13,266	0	13,266	0	0	0	2,703	0	2,703	782
14	8,098	0	8,098	13,241	13,099	0	13,099	0	0	13	2,887	0	2,887	779
15	8,077	0	8,077	14,267	14,159	0	14,159	0	0	0	2,450	0	2,450	763
16	8,059	0	8,059	14,366	14,151	0	14,151	0	0	0	4,657	0	4,657	703
17	8,126	0	8,126	14,363	13,997	0	13,997	0	0	0	3,648	0	3,648	845
18	8,028	0	8,028	14,371	14,049	0	14,049	0	0	0	3,626	0	3,626	703
19	8,084	0	8,084	14,375	13,363	0	13,363	0	0	0	3,703	0	3,703	710
20	8,063	0	8,063	14,271	14,034	0	14,034	0	0	0	3,953	0	3,953	704
21	8,004	0	8,004	13,414	14,082	0	14,082	0	0	0	3,854	0	3,854	1,313
22	8,072	0	8,072	14,209	14,122	0	14,122	0	0	0	4,147	0	4,147	1,912
23	8,057	0	8,057	12,570	14,098	0	14,098	0	0	0	4,841	0	4,841	1,742
24	8,062	0	8,062	12,783	14,330	0	14,330	0	0	0	3,832	0	3,832	1,771
25	8,031	0	8,031	14,351	14,308	0	14,308	0	0	0	5,364	0	5,364	1,273
26	8,066	0	8,066	14,365	13,979	0	13,979	0	0	0	3,216	0	3,216	1,106
27	8,090	0	8,090	14,362	14,211	0	14,211	0	0	0	3,934	0	3,934	1,085
28	8,106	0	8,106	14,342	14,299	0	14,299	0	0	0	2,767	0	2,767	934
29	7,987	0	7,987	14,369	14,090	0	14,090	0	0	0	3,013	0	3,013	771
30	8,083	0	8,083	14,461	14,289	0	14,289	0	0	0	5,721	0	5,721	932
31	8,100	0	8,100	15,359	15,230	0	15,230	0	0	0	2,142	0	2,142	985
TOTALS	225,704	0	225,704	376,248	376,552	0	376,552	0	0	61	99,717	0	99,717	30,220

COMMENTS: ALL VALUES IN ACRE-FEET

Table 21

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

Central Valley Project - California
2001

Monthly Diversions in AF

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CANALS													
Contra Costa	1208	4316	10100	18978	14355	24062	14642	5659	4078	4270	4261	3765	109694
Delta-Mendota	168289	195460	115795	129562	52680	178325	254283	253971	242818	222497	223098	225712	2262490
Actual Fed Dos Amigos	88549	78408	58584	72298	124318	196448	179449	136449	44783	34062	19758	NA	1033106
Madera	436	0	0	19807	28072	46650	46055	33440	10782	5230	0	0	190472
Friant-Kern	12498	10830	17663	35830	126212	187010	164460	100673	58519	48499	8152	5915	776261
Corning	32	0	296	722	3342	3473	4013	3818	2583	1874	393	22	20568
Folsom-South	2247	1327	1521	1404	2025	2255	2725	2719	2424	2432	1734	1742	24555
Sly Park - Camino Conduit	776	926	964	1142	2214	3142	3433	3550	2717	1886	1321	1204	23275
Tehama-Colusa	964	182	4130	17788	46192	68149	61485	41064	20311	10842	50	0	271157
CACHUMA PROJECT													
Tecolote Tunnel	1872	1132	1544	2095	2737	2984	30553	2927	2388	2461	1218	1038	52949
KLAMATH PROJECT													
"A" Canal Upper Klamath	0	0	0	0	0	840	11560	37650	0	0	0	0	50050
Klamath Drainage District	18468	1466	0	0	0	588	3887	16991	6219	740	0	12320	60679
Clear Lake Reservoir	0	0	0	170	6590	6890	7310	8340	5560	0	0	0	34860
Gerber Reservoir	0	0	0	330	7820	7890	7750	7710	5100	0	0	0	36600
Klamath River to Lost River	0	0	0	0	0	0	4022	0	897	0	0	0	4919
ORLAND PROJECT													
Stony Creek	0	0	477	13112	18928	18893	18689	17590	14850	8669	0	0	111208
South Canal	0	0	298	8201	13061	13143	12532	11784	9743	5541	0	0	74303
North Canal	0	0	179	4911	5867	5750	6157	5806	5107	3128	0	0	36905
SOLANO PROJECT													
Putah South Canal	3354	2733	6167	16767	34677	35231	32908	30471	21503	10374	2271	3418	199874

NA = Not Available at time of printing report.

Table 22

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

**Friant-Kern Canal
2001**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alpaugh ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison WSD	4734	0	329	829	7492	7291	5423	2975	2175	0	0	950	32198
Atwell Island WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Delano-Earlimart ID	676	921	2792	7686	19749	24226	22839	16685	10353	7499	1495	28	114949
Exeter ID	120	39	110	192	1709	2471	2773	2680	2056	1388	179	6	13723
City of Fresno	0	0	0	0	5697	23805	25207	1291	2000	0	0	0	58000
County of Fresno SA #34	3	1	19	28	60	87	75	66	54	32	5	2	432
Fresno ID	12	2	0	0	160	154	168	255	978	236	30	10	2005
Garfield WD	19	0	80	270	465	500	567	449	270	197	4	0	2821
Hills Valley ID	1	18	12	20	673	785	853	911	NR	577	79	7	3936
International WD	0	14	5	7	242	268	258	233	246	192	0	0	1465
Ivanhoe ID	186	0	0	19	446	1298	1623	1396	1303	1490	482	128	8371
Kaweah Delta WCD	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern County Water Agency	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD	65	82	845	1489	1549	4831	5758	6352	NR	2425	NR	0	23396
Lewis Creek WD	0	0	0	0	0	51	46	56	38	13	0	0	204
Lindmore ID	0	0	630	1000	5380	8203	9402	8796	2610	836	707	0	37564
City of Lindsay	0	0	0	0	36	65	112	132	165	205	97	118	930
Lindsay-Strathmore ID	258	131	393	568	3086	3845	4228	4367	6036	2437	584	137	26070
Lower Tule River ID	827	37	0	0	18892	21583	24319	11284	NR	0	0	498	77440
North-Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Orange Cove	68	59	81	90	165	189	180	189	178	130	83	76	1488
Orange Cove ID	238	0	184	375	4274	5446	5946	5780	4880	2818	362	9	30312
Pixley ID	0	0	0	0	0	8015	985	0	NR	0	0	0	9000
Porterville ID	0	0	0	1203	2843	2930	3089	2503	731	739	27	0	14065
Rag Gulch WD	4	20	311	1118	2552	3074	3199	2435	NR	1279	NR	0	13992
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0	NR	0	0	0	0
Saucelito ID	367	87	1356	1754	4713	4788	4615	3622	1602	2082	401	4	25391
Semitropic WSD	0	0	0	0	0	0	0	0	0	1262	0	0	1262
Shafter Wasco ID	1297	3072	2459	4589	7767	9555	9781	6241	7439	2766	426	1011	56403
Southern San Joaquin MUD	1287	1766	4749	8276	14807	19532	18631	12068	7610	5862	1108	259	95955
Smallwood Vineyards	0	0	0	26	102	145	119	0	NR	0	0	0	392
Stone Corral ID	64	0	84	155	1109	1669	1822	1896	113	660	71	0	7643
Strathmore PUD	25	21	28	31	71	88	80	74	14	47	27	35	541
Styro Tek, Inc.	0	0	1	1	0	1	1	1	1	0	0	0	6
Tea Pot Dome WD	74	0	0	206	895	1171	1255	1221	858	727	119	0	6526
Terra Bella ID	146	21	255	518	2621	3272	3612	3779	3297	1944	356	67	19888
Tri-Valley WD	0	0	0	0	69	223	313	306	NR	193	4	0	1108
Tulare ID	1271	1216	0	1266	5804	17274	218	0	NR	1611	NR	0	28660
Total	11742	7507	14723	31716	113428	176835	157497	98043	55007	39647	6646	3345	716136

* 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
2001

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	8394	3511	18401	17502	15945	NR	1738	0	0	65491
Madera ID	0	0	0	7736	23366	27045	23681	19299	NR	2132	0	0	103259
Soquel	0	0	0	0	0	0	0	5891	2000	0	0	0	7891
Total	0	0	0	16130	26877	45446	41183	41135	2000	3870	0	0	176641
MILLERTON LAKE													
County of Madera	2	1	2	3	6	7	7	7	NR	6	2	1	44
Fresno County # 18	5	4	6	10	7	22	19	17	NR	15	8	6	119
Gravelly Ford WD	0	0	0	0	0	0	933	1413	NR	209	0	0	2555
Total	7	5	8	13	13	29	959	1437	0	230	10	7	2718

* Data supplied by Fresno Field Division, Contracts Administration Division

U.S. Department of Interior - Bureau of Reclamation
Central Valley Operations OfficeSan Joaquin and Mendota Pool
2001

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Fresno Slough WD	0	346	93	61	462	372	489	330	73	0	44	0	2270
Hughes, Melvin	0	24	0	0	0	29	26	11	0	0	0	0	90
James ID	0	495	0	0	2131	8358	8575	7465	1493	74	125	0	28716
Laguna WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Dudley & Indart	400	125	177	187	585	715	713	435	150	124	64	0	3675
Mid-Valley WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Reclamation 1606	0	34	13	5	78	120	57	55	0	35	0	0	397
Terra Linda (Goodman)	164	750	294	136	915	1090	1365	1555	305	476	30	0	7080
Tranquility ID	0	4468	1259	1152	3379	6220	6049	4149	554	138	104	0	27472
Total	564	6242	1836	1541	7550	16904	17274	14000	2575	847	367	0	69700
Exchange Contractors													
Central California ID	4537	24614	25979	27923	60604	71105	70255	61677	10258	30956	13327	67	401302
Columbia Canal Co	0	3358	5853	5022	6486	10638	10762	9123	3068	1791	0	0	56101
Firebaugh Canal Co	1868	3574	1568	3033	5625	6505	6267	5789	1924	785	747	0	37685
San Luis Canal Co	0	5407	12394	13131	20559	25000	32063	23801	7676	6442	999	0	147472
Total	6405	36953	45794	49109	93274	113248	119347	100390	22926	39974	15073	67	642560
Refuges													
Grassland WD - 76.05L CCID #00-WC-20-1646	11002	11481	2126	100	3490	8513	18618	13916	74047	23404	13395	6323	186415
US F&WS - Kesterson #00-WC-20-1647	9637	10022	2054	0	0	8323	0	509	0	0	4771	892	36208
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	740	641	0	0	294	260	59	547	3875	4973	4625	2829	0
State F&G - Water Fowl Dist #00-WC-20-1648	1190	796	254	156	1459	2363	2009	2674	4475	6520	2634	533	25063
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	500	178	138	175	773	986	978	764	895	1323	499	0	7209
Total	23069	23118	4572	431	6016	20445	21664	18410	83292	36220	25924	10577	254895

Corrected values in red - 6/17/2004

Table 25

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

Monthly Deliveries in AF

Delta-Mendota Canal
2001

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	0	42	646	585	379	114	3	83	0	0	1852
Broadview WD	2061	1552	532	440	681	3128	3884	2144	118	14	0	0	14554
CCID (Abv CK 13)	4	0	542	1555	2386	2120	2590	2854	1345	827	48	0	14271
CCID (Blw CK 13)	0	916	1447	7301	18448	18200	12208	11478	309	9302	4206	507	84322
Centinella WD	0	0	0	36	49	55	46	28	29	31	0	0	274
China Island (76.05)	0	0	0	0	0	0	0	0	0	0	0	863	863
Del Puerto WD	560	421	2364	6739	13089	12358	14105	10521	5308	3475	950	18	69908
DWR Intertie @MP7.70-R	0	0	0	0	0	4668	0	0	0	0	0	0	4668
Eagle Field WD	0	189	0	0	67	200	251	100	2	1	0	0	810
Firebaugh Canal	990	1537	516	150	1660	5983	7278	6072	0	748	806	222	25962
Frietas Unit (76.05L)	0	0	516	0	409	419	0	0	0	0	0	2300	3644
Mercy Springs WD	31	116	0	283	569	502	594	520	77	104	69	0	2865
Oro Loma WD	0	103	0	183	346	405	473	229	0	0	0	0	1739
Panoche WD - Ag	157	360	185	104	500	1063	958	1172	379	221	5	0	5104
Panoche WD - M&I	2	2	2	3	2	3	2	3	2	3	2	2	28
Patterson WD	0	541	0	149	467	176	1873	2065	854	305	22	3	6455
Plainview WD	7	69	113	233	403	408	563	524	352	233	28	0	2933
Salt Slough Unit (76.05L)	0	9	688	0	0	0	0	0	219	0	0	17	933
San Luis WD - Ag	263	1124	261	654	1242	1736	2301	1318	370	241	17	840	10367
San Luis WD - M&I	1	1	7	18	41	46	43	35	26	20	4	1143	1385
Tracy, City of	167	0	157	525	909	895	887	1063	924	933	596	133	7189
West Side ID	0	0	0	108	151	187	500	112	0	0	0	0	1058
Wildren	0	0	0	0	0	0	0	0	0	0	0	0	0
W. Stanislaus ID	814	679	1241	3554	4382	3057	3686	3388	2083	2277	484	5	25650
F&G - Los Banos Ref. 76.05L	0	540	717	0	1132	0	1247	0	1528	0	0	729	5893
Volta Wildlife Mgmt Area	35	0	0	273	170	250	0	967	1481	854	51	0	4081
Grasslands -76.05L	0	0	54	0	2745	6010	13206	10593	17305	0	0	5373	55286
Grasslands - Volta	34	0	0	936	4036	434	67	1296	15011	7806	1763	472	31855
F&S (Volta) Santa Fee Kest.	0	0	0	0	628	0	0	0	789	656	754	0	2827
F&S - Kesterson 76.05L	0	0	782	0	0	415	0	0	0	0	0	827	2024
Total DMC Deliveries	5126	8159	10124	23286	55158	63303	67141	56596	48514	28134	9805	13454	388800
Oneill Pumped	132231	107583	42239	45336	(110700)	(38623)	22034	50176	92250	112757	(169650)	195484	481117
DMC plus Oneill	137357	115742	52363	68622	(55542)	24680	89175	106772	140764	140891	(159845)	208938	869917

* 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
2001**

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	143	129	179	165	242	255	164	339	210	256	160	99	2341
Broadview WD	0	0	1	1	2	3	4	4	3	2	1	0	21
City of Coalinga	242	203	216	298	455	513	616	541	572	484	281	178	4599
City of Dos Palos	67	62	77	96	160	175	175	160	120	133	73	67	1365
City of Huron	43	44	62	99	92	102	116	116	92	109	68	44	987
Pacheco WD	370	785	531	883	1596	816	1943	1541	352	382	172	90	9461
Panoche WD	4162	5913	1703	1519	4472	11630	12122	6983	1189	745	683	671	51792
San Luis WD	318	4569	2759	4199	8631	11941	12062	7306	1881	2463	871	173	57173
Westlands WD (Federal)	78240	65677	53035	65044	109323	167774	144148	100499	21649	26140	13531	17661	862721
Phase I (Non-chargeable)	0	0	0	10	0	0	0	0	7	12	60	0	89
Fish & Game (Lateral 4)	1	1	1	1	1	1	1	1	1	1	1	1	12
Fish & Game (Lateral 6)	0	0	0	0	0	0	0	0	0	0	0	93	93
Total	83586	77383	58564	72315	124974	193210	171351	117490	26076	30727	15741	19077	990494
O'NEILL FOREBAY DELIVERIES													
O'Neill Forebay Wildlife	48	52	94	99	42	14	3	25	15	237	112	54	795
San Luis WD Ag	28	332	362	574	1428	1535	2087	1635	620	372	155	23	9151
San Luis M&I	22	24	27	34	56	59	64	62	45	51	31	26	501
VA Cemetary	1	1	1	2	7	6	3	9	4	8	3	1	46
Total	99	409	484	709	1533	1614	2157	1731	684	668	301	104	10493
CROSS VALLEY CANAL													
Arvin Edison WSD	0	0	0	0	0	902	4208	NR	NR	0	0	0	5110
Kern-Tulare	0	0	0	0	0	0	0	NR	NR	0	0	0	0
Pixley ID	0	0	0	0	0	0	0	NR	NR	0	0	0	0
Rag Gulch	0	0	0	0	0	1332	6209	NR	NR	0	0	0	7541
Total	0	0	0	0	0	2234	10417	0	0	0	0	0	12651
SAN FELIPE DIVISION													
Santa Clara	11582	8663	8057	13241	18432	18290	17969	14160	11880	10766	9282	8194	150516
San Benito	1053	249	536	892	2673	4495	3789	2954	788	617	1158	1039	20243
Total	12635	8912	8593	14133	21105	22785	21758	17114	12668	11383	10440	9233	170759

* 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
2001

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Colusa County WD	454	193	1375	5618	10619	12764	12724	8144	3689	3735	220	90	59625
Cortina WD	6	0	12	95	168	213	203	103	63	78	0	0	941
Davis WD	0	0	28	212	308	336	564	274	0	0	0	0	1722
Dunnigan WD	43	5	59	954	3058	2947	3336	2349	829	395	0	4	13979
4-M Water District	0	0	32	285	510	342	497	415	130	158	2	0	2371
Glenn Valley WD	0	0	0	0	101	103	37	280	30	2	0	0	553
Glide WD	16	0	1	318	3667	3058	3520	2469	375	66	271	27	13788
Holthouse WD	0	0	0	95	452	405	344	155	227	51	0	0	1729
Kanawha WD	0	6	291	2140	8565	8684	7452	4381	1028	277	13	0	32837
Kirkwood WD	0	0	0	35	188	192	256	138	61	16	0	0	886
La Grande WD	0	0	4	541	1377	1324	1228	847	0	147	0	0	5468
Myers-Marsh MWC	0	0	0	21	22	61	47	50	0	0	0	0	201
Orland-Artois WD	226	17	193	2762	8426	8487	9231	7181	3629	1955	19	36	42162
Westside WD	54	0	499	2671	8159	8839	6529	3563	1173	744	6	0	32237
Total	799	221	2494	15747	45620	47755	45968	30349	11234	7624	531	157	208499

Table 28

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

Monthly Deliveries in AF

Water Users	Sacramento River												Total
	2001												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
A&F Boeger & Thunder Farms	0	0	0	0	444	604	638	295	97	148	0	0	2226
Anderson Cottonwood ID	0	0	0	4760	22530	19767	20512	21702	18657	14124	0	0	122052
Andreotti, Arthur, et al	0	0	0	91	870	689	749	792	269	33	0	0	3493
Baber, Jack	0	0	0	0	130	218	278	11	0	0	0	0	637
A&R Farms (Odysseus)	0	0	0	0	25	9	19	22	29	0	0	0	104
Windswept Land & Livestock	0	0	0	526	379	403	181	0	0	68	0	0	1557
Cannel, Fred	0	0	0	26	319	389	402	337	159	0	0	0	1632
Carter, Jane	0	0	0	23	198	247	131	31	0	0	0	0	630
Colusa Prop. Inc	0	0	0	0	51	193	214	129	8	0	0	0	595
Conaway Construction Group	0	0	0	598	10721	10299	5826	6028	921	2578	0	0	36971
Davis, Olive P.	0	0	0	2510	6436	5537	5873	4504	629	57	0	0	25546
Deseret Farms of Calif	0	0	0	78	127	150	115	93	0	17	0	0	580
Dommer, Elizabeth	0	0	0	0	0	2	0	3	0	0	0	0	5
Odysseus Farms	0	0	0	156	277	479	167	0	0	0	0	0	1079
Forry, David G.	0	0	0	90	106	351	290	294	41	0	0	0	1172
Furlan Area #1	0	0	0	0	56	67	53	34	0	0	0	0	210
Furlan Area #2	0	0	0	0	0	0	0	0	0	0	0	0	0
Glenn-Colusa ID	0	0	0	76920	144317	133893	139898	122522	29030	57350	0	0	703930
Griffin, J.	0	0	0	0	544	619	390	459	0	0	0	0	2012
Henle, John R.	0	0	0	0	0	49	0	0	0	0	0	0	49
Hershey Land Co	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatt, Glenn	0	0	0	0	149	136	238	55	0	0	0	0	578
Hollins, Mariette	0	0	0	68	278	263	278	190	25	120	0	0	1222
Howald Farms	0	0	0	38	332	261	190	228	131	103	0	0	1283
King, Barbara	0	0	0	0	0	3	0	2	0	0	0	0	5
Knaggs, Layton	0	0	0	0	261	311	155	180	0	0	0	0	907
Lockett, WilliamP.	0	0	0	40	113	113	73	0	0	0	0	0	339
M&T Inc.	0	0	0	467	2924	2536	2127	1631	1145	965	0	0	11795
MCM Properties, Inc	0	0	0	0	0	0	0	0	0	0	0	0	0
Maxwell ID	0	0	0	357	4157	4461	2901	2398	0	3319	0	0	17593
Meridan Farms WC	0	0	0	750	5846	5861	6352	5762	1711	12	0	0	26294
Natomas Central MWC	0	0	0	3170	15921	15832	18586	12334	2849	1289	0	0	69981
O'Brien, Janice	0	0	0	57	243	317	214	10	0	0	0	0	841
Oji Bros. Farms Inc	0	0	0	144	549	734	479	199	23	0	0	0	2128
Oji, Mitsue Family PTN	0	0	0	282	1026	863	322	272	0	0	0	0	2765
Pelger Mutual WC	0	0	0	397	1669	116	794	593	216	136	0	0	3921
Pleasant-Grove-Verona	0	0	0	477	4187	4532	4343	2957	41	538	0	0	17075
Loma Cold Storage (Premier)	0	0	0	249	1593	1745	218	412	36	0	0	0	4253
Princeton, -Codora	0	0	0	6004	11364	10771	11758	9638	2095	5818	0	0	57448
Provident Irrigation	0	0	0	5988	10743	10328	8312	3643	56	11411	0	0	50481
Reclamation Dist #108	0	0	0	8081	35352	30581	29781	25088	3677	10276	0	0	142836
Reclamation Dist #1004	0	0	0	2781	14326	16289	13668	11226	4592	8883	0	0	71765
Reynen, et al	0	0	0	460	1660	1628	1360	727	30	410	0	0	6275
River Garden Farms	0	0	0	322	5501	5601	5095	3899	1224	253	0	0	21895
Roberts Ditch Irrigation Co	0	0	0	171	628	513	588	493	60	146	0	0	2599
Sartain Mutual WC	0	0	0	0	211	213	225	84	0	350	0	0	1083
Siddiqui, J & A	0	0	0	5	24	159	149	97	63	7	0	0	504
Spence, Ruth	0	0	0	0	0	0	0	0	0	0	0	0	0
Sutter Mutual	0	0	0	13960	37521	38084	38809	28240	5328	1567	0	0	163509
Swinford Tract Irrigation Co	0	0	0	0	46	26	42	0	25	0	0	0	139
Tarke, James	0	0	0	0	85	121	85	28	121	0	0	0	440
Tisdale Irrigation & Drain	0	0	0	138	1854	1860	1750	1538	505	0	0	0	7645
Wallace Construction	0	0	0	149	328	497	774	760	143	0	0	0	2651
Wells, Joyce	0	0	0	74	302	348	368	252	33	159	0	0	1536
Wilson Ranch	0	0	0	0	81	77	114	54	0	0	0	0	326
Total	0	0	0	130407	346804	329145	325884	270246	73969	120137	0	0	1596592

* Data supplied by Willows Field Division, Water and Land Division (long-form contracts only)

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

Sacramento-San Joaquin Valley - Streamflow Data
2001

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sacramento River												
Shasta computed inflow	5500	10062	10492	7140	5844	4368	4115	3712	3349	3306	6324	13724
At Keswick	3997	3328	4468	6251	9914	13568	14725	11049	8475	6022	4603	3760
At Bend Bridge	6912	8223	9597	7545	9965	13473	14857	10996	8583	6584	7148	12925
At Vina Bridge	7839	10583	12086	7194	8906	12229	13663	9774	7509	5755	6852	15423
At Ord Ferry	9005	13283	15632	7442	4854	8239	10007	9196	4801	2176	4017	16468
At Colusa	8068	11914	14020	7551	6931	9162	10510	8100	7334	4316	6232	16678
Below Wilkins Slough	9068	12195	14024	7368	5814	8148	9619	7236	7445	4841	6701	16696
At Verona	15056	18700	22301	10658	7428	10363	13353	12319	11211	7106	11045	24297
Sacramento at "I" Street	17104	19816	24037	12154	8813	12356	14901	13392	12485	8369	12036	25461
Miscellaneous Stations												
Folsom computed inflow	1467	2126	2896	2896	2608	1043	946	950	790	260	709	2734
American R at Nimbus Dam	2064	1508	1499	1635	1812	2509	2086	1529	1501	1345	1004	1466
Kings River at Pine Flat	103	104	352	408	2142	6119	5238	1903	457	142	104	132
San Joaquin River												
At Friant Dam	136	97	89	120	152	269	226	264	338	198	135	118
Near Vernalis	2414	3281	3694	3399	3967	1932	1754	1667	1706	2256	2334	2310
Putah Creek												
Berryessa computed inflow	315	1399	819	121	63	-23	-32	-6	-35	-202	293	1938
Putah Creek - Lake Solano	25	53	63	46	43	43	43	35	26	24	36	69
Stanislaus River												
New Melones computed inflow	471	629	914	1270	1454	754	686	601	470	424	433	991
At Tulloch Dam	326	295	604	1955	2640	2227	2090	1883	1378	709	383	333
At Orange Blossom	507	498	498	896	960	642	504	408	349	418	293	256

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

Precipitation Summary

Table 30

STATION	Month	Actual	Mean	Mean	Percent
	Dec 01	Jul 01 - Dec 01	Jul 01 - Dec 01	Season Total	of Jul-Jun Season TOTAL
Alturas	1.86	5.87	1.43	12.50	47
Auberry	7.10	12.34	3.97	24.72	50
Auburn	NA	6.07	5.52	33.66	18
Bakersfield	0.60	2.01	0.89	6.12	33
Blue Canyon	18.12	32.70	10.10	63.49	52
Cachuma	2.66	6.61	2.77	19.94	33
Calaveras Big Trees	14.02	25.86	9.02	54.49	47
Callahan	NA	6.58	3.78	21.30	31
Colfax	11.86	21.24	7.81	46.86	45
Crane Valley	8.28	16.45	6.41	40.36	41
East Park	7.09	13.81	3.68	17.92	77
Folsom	6.85	11.42	3.36	24.15	47
Ft. Jones	NA	7.01	3.99	21.57	32
Fresno	1.94	4.29	1.71	10.24	42
Friant Dam	3.55	6.72	2.22	14.12	48
Hetch Hetchy	9.14	19.35	5.64	35.67	54
Huntington Lake	10.08	21.03	6.72	42.65	49
Georgetown	14.03	21.56	8.98	53.76	40
Lake Spaulding	20.94	36.17	11.29	68.66	53
Markley Cove (Berryessa)	9.53	15.73	4.19	25.53	62
McCloud	12.06	25.61	7.98	49.51	52
Mt. Shasta	10.77	23.05	0.72	32.52	71
New Melones	7.93	12.62	3.69	24.17	52
Pacific House	10.96	14.26	8.15	50.47	28
Placerville	10.62	17.54	6.27	38.35	46
Sacramento	6.27	9.39	3.44	18.33	51
Salt Springs	15.22	21.98	7.15	45.54	48
San Luis	2.23	4.34	1.58	9.81	44
Shasta Dam	20.19	39.41	9.99	60.44	65
Soda Springs	14.76	28.69	9.60	58.20	49
Sly Park	11.51	20.50	7.71	48.91	42
Stony Gorge	6.70	13.55	3.58	18.59	73
Susanville Airport	NA	3.63	3.11	18.10	20
Tiger Creek	9.99	20.45	7.58	46.24	44
Trinity River Hatchery	9.39	21.06	5.84	34.10	62
Twin Lakes	11.15	20.26	7.35	47.57	43
Weaverville Ranger St.	11.01	24.39	6.91	38.21	64
Whiskeytown Dam	19.44	39.65	9.61	60.59	65
Yosemite Valley Hdqts.	10.24	18.56	5.94	36.65	51
Klamath Experiment St.	2.58	6.68	1.89	13.02	51