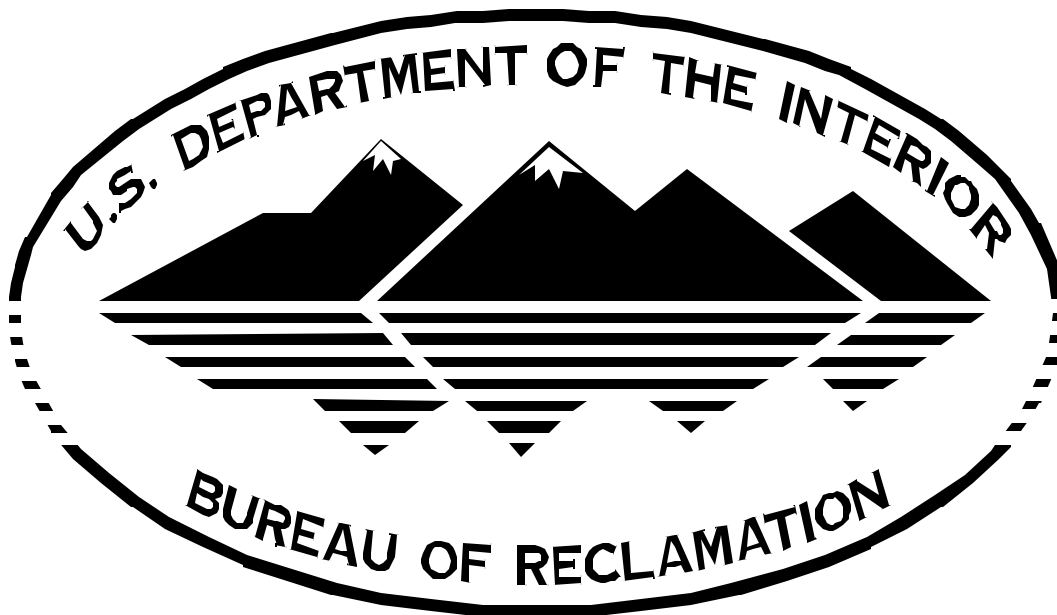


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION

CENTRAL VALLEY OPERATIONS OFFICE

# REPORT OF OPERATIONS



**March 2001**

**Contact Person:**

Valerie Ungvari, Hydrologic Technician  
3310 El Camino Avenue, Suite 300  
Sacramento, CA 95821  
Telephone: (916) 979-2448  
E-mail: [vungvari@mp.usbr.gov](mailto:vungvari@mp.usbr.gov)

INDEX

	<u>Page-Number</u>
Summary of March 2001 .....	1

TABLES

	<u>Table-Number</u>
Reservoir Storage Summary .....	1
Power System Generation Summary .....	2
Shasta Lake Daily Operations .....	3
Trinity Lake Daily Operations .....	4
Whiskeytown Lake Daily Operations .....	5
Lewiston Lake Daily Operations .....	6
Spring Creek Debris Dam Daily Operations .....	7
Keswick Reservoir Daily Operations .....	8
Red Bluff Diversion Reservoir Daily Operations .....	9
Black Butte Reservoir Daily Operations .....	10
Folsom Lake Daily Operations .....	11
Lake Natoma Daily Operations .....	12
New Melones Daily Operations .....	13
Goodwin Reservoir Daily Operations .....	14
Millerton Lake Daily Operations .....	15
State-Federal Sacramento-San Joaquin Delta Outflow .....	16
Consolidated State-Federal San Luis Reservoir Daily Operations	17
Consolidated State-Federal O'Neill Forebay Daily Operations ...	18
Federal-State San Luis Operations .....	19
Federal-State Operations .....	20
Monthly Diversions in Acre-Feet, 2001 .....	21
Monthly Deliveries - Friant-Kern Canal, 2001 .....	22
Monthly Deliveries - Madera Canal and Millerton Lake, 2001 ....	23
Monthly Deliveries - San Joaquin River and Mendota Pool, 2001 .	24
Monthly Deliveries - Delta-Mendota Canal, 2001 .....	25
Monthly Deliveries - San Luis and Cross Valley Canal, 2001 ....	26
Monthly Deliveries - Tehama-Colusa Canal, 2001 .....	27
Monthly Deliveries - Sacramento River, 2001 .....	28
Streamflow Data - Sacramento-San Joaquin Valleys, 2001 .....	29
Precipitation .....	30

## SUMMARY OF MARCH 2001 OPERATIONS

Sacramento had an average monthly temperature of 59.7 °F which was 3.6 °F above normal. The average temperature at Shasta Dam was 57.4 °F which was 5.7 °F above normal and Huntington Lake was 1.0 °F above normal with an average temperature of 35.8 °F.

Trinity System: Storage in Trinity Lake increased 174,600 acre-feet this month to 1,882,500 acre-feet which is 77 percent of capacity and 105 percent of the 15 year average for this date. The total inflow for the month was 197,497 acre-feet. The Trinity River release was 300 ft<sup>3</sup>/s. Whiskeytown Lake was operated between elevations 1197.58 feet and 1203.08 feet with an end-of-month storage of 205,000 acre-feet. Average releases to Clear Creek from Whiskeytown Dam ranged between 50 and 125 ft<sup>3</sup>/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 4 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 460,000 acre-feet for an end-of-month storage of 3,955,800 acre-feet which is 87 percent of capacity and 114 percent of the 15 year average. The total inflow for the month was 645,145 acre-feet. The release to the Sacramento River at Keswick ranged between 4,200 and 6,000 ft<sup>3</sup>/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 77,800 acre-feet and had an end-of-month storage of 602,200 acre-feet which is 62 percent of capacity and 104 percent of the 15 year average for this date. The total inflow for the month was 178,094 acre-feet. The release to the American River at Nimbus ranged between 1,500 and 2,000 ft<sup>3</sup>/s during the month.

New Melones: Storage in New Melones increased 24,400 acre-feet for an end-of-month storage of 1,920,500 acre-feet or 79 percent of capacity and 143 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 245 to 400 ft<sup>3</sup>/s for the month. The total inflow for the month was 56,171 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on March 31, 2001, was 981,000 acre-feet compared to the storage a year ago of 964,000 acre-feet.

Friant: Storage in Millerton Lake increased 69,802 acre-feet to 375,800 acre-feet. The total monthly inflow was 94,155 acre-feet. The release to the San Joaquin River at Friant varied between 84 and 116 ft<sup>3</sup>/s.

CVP Totals: The total diversions to CVP canals were 149,505 acre-feet. The March 31, 2001, storage in the 18 CVP reservoirs was 9,342,000 acre-feet compared to a storage 1 year ago of 9,495,000 acre-feet.

Power: Gross power production for the CVP totaled 174,094,600 kilowatt-hours.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION  
MID-PACIFIC REGION

Table 1

**MONTHLY RESERVOIR STORAGE SUMMARY IN ACRE-FEET**

(PRELIMINARY DATA SUBJECT TO REVISION)

WATERSHED	RESERVOIR	TOTAL CAPACITY	03/31/2001	03/31/2000	WATERSHED	RESERVOIR	TOTAL CAPACITY	03/31/2001	03/31/2000	
KLAMATH	CLEAR LAKE *	526,800	254,930	357,110	AMERICAN	FOLSOM LAKE *CVP	1,010,300	602,200	674,280	
	GERBER *	94,300	58,840	83,540	-----	LAKE NATOMA *CVP	9,030	7,724	8,180	
	UPR KLAMATH LK *	873,300	448,850	420,980	COSUMNES	JENKINSON LK *CVP	41,000	36,080	41,890	
TRINITY	CLAIR ENGLE LK *CVP	2,447,700	1,882,450	2,093,190	MOKELUMNE	CAMANCHE	431,500	268,330	280,820	
	LEWISTON LAKE *CVP	14,660	13,880	14,130		PARDEE	210,000	181,140	186,620	
	WHISKEYTOWN *CVP	241,100	205,030	213,570		SALT SPRINGS	140,000	22,360	38,700	
MC CLOUD	MC CLOUD DIV. RES	35,230	25,280	33,090	CALAVERAS	NEW HOGAN	317,100	184,010	198,960	
PIT	IRON CANYON	24,240	7,360	5,580	STANISLAUS	NEW MELONES *CVP	2,420,000	1,920,540	2,044,540	
	LAKE BRITTON	40,620	39,490	36,150		BEARDSLEY	97,800	22,550	40,160	
	PIT NO. 6	15,890	13,730	13,960		DONNELLS	64,320	14,190	14,400	
	PIT NO. 7	34,610	29,500	30,750		TULLOCH	67,000	56,370	56,440	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,955,800	3,751,870	TUOLUMNE	LAKE ELEANOR	26,100	9,500	24,940	
	SPRING CREEK *CVP	5,900	5,650	910		LAKE LLOYD	268,000	129,240	207,770	
	KESWICK *CVP	23,800	21,000	20,570		HETCH-HETCHY	360,400	190,520	172,190	
	RED BLUFF DIV *CVP	3,920	260	370		NEW DON PEDRO	2,030,000	1,679,060	1,703,840	
FEATHER	OROVILLE	3,538,000	2,048,310	2,838,640	MERCED CHOWCHILLA	TURLOCK LAKE	49,000	27,150	26,930	
	THERMALITO DIV RES	13,500	NA	13,090		EXCHEQUER	1,024,600	660,620	712,600	
	THERMALITO FORE.	14,400	0	11,130		BUCHANAN	150,000	80,330	122,660	
	THERMALITO AFTER.	57,000	28,720	45,660		SAN JOAQUIN	CRANE VALLEY	45,400	31,200	14,400
	LAKE ALMANOR	1,143,000	728,870	972,740			LAKE T.A. EDISON	125,000	40,900	45,480
STONY CREEK	EAST PARK *	50,900	48,500	48,500	FLORENCE LAKE		64,600	1,450	1,150	
	STONY GORGE *	50,000	49,790	49,630	MAMMOTH POOL		122,700	32,330	14,780	
	BLACK BUTTE *CVP	143,700	108,460	103,520	HUNTINGTON LAKE	89,800	46,730	41,080		
PUTAH CREEK	LAKE BERRYESSA *	1,602,300	1,489,000	1,598,430	REDINGER LAKE	35,000	24,630	22,920		
	LAKE SOLANO *	720	680	630	SHAVER LAKE	135,400	98,060	86,320		
YUBA	BULLARDS BAR	930,000	703,305	786,340	MILLERTON LK *CVP	520,500	375,750	461,950		
	SO. YUBA SYSTEM	146,000	47,930	55,620	FRESNO	HIDDEN	90,000	35,720	62,420	
	NARROWS	70,000	69,010	67,910		SAN LUIS **CVP	2,040,600	1,977,990	2,026,440	
BEAR	ROLLINS	65,990	65,250	65,990	O'NEILL FORE. **CVP	56,400	40,380	41,580		
LITTLE TRUCKEE	STAMPEDE *	226,620	188,800	204,800	SAN LUIS	L BANOS RES **CVP	34,560	20,450	20,730	
	BOCA *	41,140	11,200	31,900		LT PANOCHE **CVP	5,580	830	830	
PROSSER	PROSSER CREEK *	29,840	9,800	9,700	OIL CANYON	CONTRA LOMA *CVP	2,100	NA	2,050	
TRUCKEE	LAKE TAHOE *	732,000	397,700	627,700	KINGS	WISHON	128,300	63,550	49,500	
	HUMBOLDT	RYE PATCH *	190,000	70,900		157,200	PINE FLAT	1,001,500	517,110	644,760
					KAWEAH		TERMINUS	143,000	50,040	42,910
CARSON	LAHONTAN *	317,280	200,200	228,700	TULE	SUCCESS	82,300	30,440	48,280	
AMERICAN	TWIN LAKES	21,580	10,300	16,200	KERN	ISABELLA	588,100	139,740	193,300	
	FRENCH MEADOWS	136,400	61,310	82,410	CUYAMA	TWITCHELL *	240,100	5,160	9,560	
	HELL HOLE	207,590	70,040	128,700	SANTA YNEZ	LAKE CACHUMA *	190,500	192,950	188,990	
	LOON LAKE	76,500	24,930	20,430	COYOTE	LAKE CASITAS *	254,000	241,410	225,230	
	ICE HOUSE	46,000	19,220	22,990	TOTAL - 85	RESERVOIRS	33,790,020	23,554,099	26,267,530	
	UNION VALLEY	277,300	65,310	187,810	TOTAL - 36	RESERVOIRS	18,992,650	14,843,184	15,763,200	
	SLAB CREEK	16,600	15,780	14,810	TOTAL - 18	RESERVOIRS	13,572,850	11,174,474	11,520,600	

\*\* - Joint State-Federal Reservoir

\* - USBR Reservoir

CVP - Central Valley Project

NR - Not Reported



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

Table 3

MARCH 2001

SHASTA LAKE DAILY OPERATIONS

RUN DATE: April 19, 2001

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			
		3,496.0								
1	1,029.13	3,511.5	+15.6	8,908	939	0	0	118	.16	
2	1,029.89	3,530.7	+19.2	10,738	1,062	0	0	15	.02	
3	1,030.36	3,542.6	+11.9	7,849	1,852	0	0	0	.00	
4	1,031.65	3,575.4	+32.8	17,961	1,410	0	0	30	.04	
5	1,033.55	3,624.0	+48.7	24,558	0	0	0	30	.04	
6	1,034.76	3,655.2	+31.2	15,738	0	0	0	0	.00	
7	1,035.77	3,681.4	+26.2	13,325	0	0	0	115	.15	
8	1,036.80	3,708.3	+26.9	13,718	117	0	0	61	.08	
9	1,037.74	3,732.9	+24.6	12,985	492	0	0	77	.10	
10	1,038.34	3,748.7	+15.8	11,038	2,974	0	0	108	.14	
11	1,038.81	3,761.1	+12.4	8,922	2,514	0	0	163	.21	
12	1,039.06	3,767.7	+6.6	8,087	4,629	0	0	132	.17	
13	1,039.41	3,777.0	+9.3	8,903	4,088	0	0	140	.18	
14	1,039.65	3,783.3	+6.4	8,209	4,856	0	0	148	.19	
15	1,039.89	3,789.7	+6.4	8,651	5,337	0	0	109	.14	
16	1,040.06	3,794.2	+4.5	7,432	5,069	0	0	93	.12	
17	1,040.30	3,800.5	+6.4	7,499	4,179	0	0	117	.15	
18	1,040.48	3,805.3	+4.8	6,888	4,385	0	0	101	.13	
19	1,040.78	3,813.2	+7.9	8,522	4,401	0	0	117	.15	
20	1,041.22	3,824.9	+11.7	9,976	3,964	0	0	125	.16	
21	1,041.57	3,834.2	+9.3	8,464	3,707	0	0	63	.08	
22	1,042.09	3,848.1	+13.8	9,661	2,524	0	0	157	.20	
23	1,042.74	3,865.4	+17.4	12,309	3,440	0	0	110	.14	
24	1,043.08	3,874.5	+9.1	8,278	3,652	0	0	39	.05	
25	1,043.51	3,886.1	+11.5	9,279	3,337	0	0	119	.15	
26	1,044.11	3,902.2	+16.1	10,952	2,734	0	0	87	.11	
27	1,044.53	3,913.6	+11.3	9,259	3,426	0	0	119	.15	
28	1,044.95	3,924.9	+11.3	8,696	2,863	0	0	119	.15	
29	1,045.33	3,935.2	+10.3	9,360	3,930	0	0	239	.30	
30	1,045.72	3,945.8	+10.6	9,429	3,946	0	0	152	.19	
31	1,046.09	3,955.8	+10.0	9,662	4,414	0	0	184	.23	
<b>TOTALS</b>			<b>+460.0</b>	<b>325,256</b>	<b>90,241</b>	<b>0</b>	<b>0</b>	<b>3,187</b>	<b>4.08</b>	<b>4.59</b>
<b>ACRE- FEET</b>			<b>+460,000</b>	<b>645,145</b>	<b>178,993</b>	<b>0</b>	<b>0</b>	<b>6,321</b>		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE- FEET)			PRECIPITATION
POWER	178,993	OUTLET	0	THIS MONTH = 4.59
SPILL	0	TOTAL	178,993	JULY 1, 2000 TO DATE = 41.13

MARCH 2001

TRINITY LAKE DAILY OPERATIONS

RUN DATE: April 19, 2001

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)	
		1,707.6								
1	2,319.79	1,708.7	+1.0	898	339	0	0	31	.08	.00
2	2,319.94	1,710.6	+2.0	1,229	225	0	0	15	.04	.85
3	2,320.07	1,712.3	+1.7	1,018	143	0	0	15	.04	.00
4	2,320.55	1,718.6	+6.3	3,688	492	0	0	15	.04	.45
5	2,321.44	1,730.4	+11.7	5,911	0	0	0	0	.00	2.07
6	2,321.92	1,736.7	+6.3	3,200	0	0	0	4	.01	.27
7	2,322.27	1,741.3	+4.6	2,636	279	0	0	19	.05	.00
8	2,322.58	1,745.5	+4.1	2,524	420	0	0	31	.08	.00
9	2,322.87	1,749.3	+3.8	2,224	241	0	0	43	.11	.00
10	2,323.09	1,752.2	+2.9	1,943	430	0	0	39	.10	.00
11	2,323.28	1,754.8	+2.5	1,760	436	0	0	47	.12	.00
12	2,323.44	1,756.9	+2.1	1,522	400	0	0	47	.12	.00
13	2,323.68	1,760.1	+3.2	1,686	31	0	0	43	.11	.00
14	2,323.86	1,762.5	+2.4	1,855	341	0	262	43	.11	.00
15	2,324.05	1,765.0	+2.5	1,616	295	0	0	43	.11	.00
16	2,324.23	1,767.4	+2.4	1,511	272	0	0	24	.06	.00
17	2,324.39	1,769.6	+2.1	1,653	535	0	0	39	.10	.00
18	2,324.63	1,772.8	+3.2	2,043	372	0	0	51	.13	.00
19	2,324.97	1,777.3	+4.6	2,831	494	0	0	43	.11	.00
20	2,325.36	1,782.6	+5.2	3,229	543	0	0	43	.11	.00
21	2,325.87	1,789.4	+6.9	3,729	256	0	0	16	.04	.00
22	2,326.49	1,797.8	+8.4	4,593	328	0	0	48	.12	.00
23	2,327.16	1,806.9	+9.1	4,882	267	0	0	48	.12	.00
24	2,327.99	1,818.1	+11.3	6,066	330	0	0	60	.15	.00
25	2,329.12	1,833.5	+15.4	8,198	380	0	0	52	.13	.61
26	2,329.78	1,842.6	+9.0	4,952	346	0	0	52	.13	.00
27	2,330.26	1,849.1	+6.6	3,800	431	0	0	48	.12	.00
28	2,330.91	1,858.1	+8.9	4,799	256	0	0	36	.09	.01
29	2,331.56	1,867.1	+9.0	4,949	373	0	0	49	.12	.00
30	2,332.13	1,874.9	+7.9	4,397	346	0	0	73	.18	.00
31	2,332.67	1,882.5	+7.5	4,228	387	0	0	57	.14	.00
<b>TOTALS</b>			<b>+174.6</b>	<b>99,570</b>	<b>9,988</b>	<b>0</b>	<b>262</b>	<b>1,174</b>	<b>2.97</b>	<b>4.26</b>
<b>ACRE-FEET</b>			<b>+174,600</b>	<b>197,497</b>	<b>19,811</b>	<b>0</b>	<b>520</b>	<b>2,329</b>		

COMMENTS:

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

(1) EVAPORATION AND PRECIPITATION RECORDS TAKEN FROM STATION AT TRINITY RIVER HATCHERY.

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	19,811	OUTLET	520
SPILL	0	TOTAL	20,331
		THIS MONTH =	4.26
		JULY 1, 2000 TO DATE =	19.08

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

Table 5

MARCH 2001

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: April 19, 2001

DAY	ELEV	STORAGE		COMPUTED INFLOW C.F.S. *	FROM JUDGE FRANCIS CARR PP	CLEAR CR. NATURAL FLOW	RELEASE - C.F.S.			EVAP. C.F.S.	PRECIP INCHES	
		1000 ACRE-FEET IN LAKE	CHANGE				TO CLEAR CR (1)	SPILL	TO SPRING CR. PP			
		210.7										
1	1,199.00	207.2	-3.6	820	0	820	125	0	2,488	6	.07	.00
2	1,198.43	205.5	-1.7	789	0	789	125	0	1,508	2	.02	.71
3	1,198.19	204.8	-0.7	644	0	644	125	0	875	0	.00	.01
4	1,199.84	209.7	+4.9	3,441	0	3,441	125	0	851	4	.04	1.15
5	1,202.43	217.4	+7.8	6,513	0	6,513	125	0	2,458	1	.01	2.31
6	1,203.08	219.4	+2.0	3,319	0	3,319	125	0	2,195	2	.02	.39
7	1,203.02	219.2	-0.2	2,219	0	2,219	125	0	2,182	5	.06	.00
8	1,202.68	218.2	-1.0	1,824	0	1,824	125	0	2,216	4	.04	.00
9	1,201.89	215.8	-2.4	1,276	0	1,276	122	0	2,356	7	.08	.02
10	1,200.20	210.7	-5.1	1,315	0	1,315	97	0	3,776	3	.03	.00
11	1,198.56	205.9	-4.9	1,113	0	1,113	74	0	3,484	8	.09	.00
12	1,197.86	203.8	-2.1	912	0	912	50	0	1,881	19	.22	.00
13	1,197.58	203.0	-0.8	841	0	841	50	0	1,194	9	.10	.00
14	1,197.69	203.3	+0.3	756	0	756	50	0	534	10	.12	.00
15	1,197.99	204.2	+0.9	699	0	699	87	0	161	9	.11	.00
16	1,198.24	204.9	+0.7	665	0	665	125	0	162	7	.08	.00
17	1,198.03	204.3	-0.6	627	0	627	125	0	806	8	.09	.00
18	1,198.25	204.9	+0.6	610	0	610	125	0	154	4	.05	.00
19	1,197.94	204.0	-0.9	727	0	727	125	0	1,047	15	.17	.00
20	1,198.16	204.7	+0.6	778	0	778	125	0	317	10	.12	.00
21	1,198.43	205.5	+0.8	779	0	779	125	0	246	7	.08	.00
22	1,198.14	204.6	-0.9	829	0	829	125	0	1,126	9	.10	.00
23	1,198.23	204.9	+0.3	825	0	825	125	0	559	7	.08	.00
24	1,198.58	205.9	+1.0	1,027	0	1,027	125	0	377	5	.06	.00
25	1,198.48	205.6	-0.3	1,053	0	1,053	125	0	1,069	8	.09	.44
26	1,198.12	204.6	-1.1	828	0	828	125	0	1,228	9	.10	.00
27	1,197.95	204.1	-0.5	687	0	687	125	0	806	8	.09	.00
28	1,197.65	203.2	-0.9	715	0	715	125	0	1,024	8	.09	.00
29	1,197.88	203.9	+0.7	735	0	735	125	0	263	9	.11	.00
30	1,198.09	204.5	+0.6	746	0	746	125	0	298	12	.14	.00
31	1,198.28	205.0	+0.6	669	2	667	125	0	252	10	.11	.00
<b>TOTALS</b>			<b>-5.9</b>	<b>38,781</b>	<b>2</b>	<b>38,779</b>	<b>3,530</b>	<b>0</b>	<b>37,893</b>	<b>225</b>	<b>2.57</b>	<b>5.03</b>
<b>ACRE-FEET</b>			<b>-5.9</b>	<b>76,922</b>	<b>4</b>	<b>76,918</b>	<b>7,002</b>	<b>0</b>	<b>75,161</b>	<b>446</b>		

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

(1) WATER TO CLEAR CREEK BEING DISCHARGED THROUGH 972.00-1110.00 ELEVATION OUTLET.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION		
POWER	75,161	OUTLET	7,002	THIS MONTH		5.03
SPILL	0	TOTAL	82,163	JULY 1, 2000 TO DATE		41.01



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

Table 6

MARCH 2001

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: April 19, 2001

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
		14,375								
1	1,901.61	14,367	-8	298	80	200	20	0	2	.08
2	1,901.26	14,105	-262	169	80	200	20	0	1	.04
3	1,900.67	13,668	-437	81	80	200	20	0	1	.04
4	1,901.56	14,330	+662	635	80	200	20	0	1	.04
5	1,901.46	14,255	-75	262	80	200	20	0	0	.00
6	1,900.90	13,837	-418	89	80	200	20	0	0	.01
7	1,900.84	13,793	-44	279	80	200	20	0	1	.05
8	1,901.06	13,956	+163	384	80	200	20	0	2	.08
9	1,900.75	13,727	-229	187	80	200	20	0	2	.11
10	1,900.94	13,867	+140	373	80	200	20	0	2	.10
11	1,901.14	14,016	+149	378	80	200	20	0	3	.12
12	1,901.20	14,061	+45	326	80	200	20	0	3	.12
13	1,900.33	13,418	-643	-22	80	200	20	0	2	.11
14	1,901.06	13,956	+538	573	80	200	20	0	2	.11
15	1,900.84	13,793	-163	220	80	200	20	0	2	.11
16	1,900.58	13,602	-191	205	80	200	20	0	1	.06
17	1,900.98	13,896	+294	450	80	200	20	0	2	.10
18	1,900.97	13,889	-7	299	80	200	20	0	3	.13
19	1,901.28	14,120	+231	418	80	200	20	0	2	.11
20	1,901.66	14,405	+285	446	80	200	20	0	2	.11
21	1,901.38	14,195	-210	195	80	200	20	0	1	.04
22	1,901.30	14,135	-60	273	80	200	20	0	3	.12
23	1,901.06	13,956	-179	213	80	200	20	0	3	.12
24	1,901.02	13,926	-30	286	80	200	20	0	1	.15
25	1,901.11	13,993	+67	337	80	200	20	0	3	.13
26	1,901.05	13,948	-45	280	80	200	20	0	3	.13
27	1,901.21	14,068	+120	363	80	200	20	0	3	.12
28	1,900.91	13,845	-223	190	80	200	20	0	2	.09
29	1,900.92	13,852	+7	307	80	200	20	0	3	.12
30	1,900.89	13,830	-22	293	80	200	20	0	4	.18
31	1,900.96	13,882	+52	331	80	200	20	2	3	.14
<b>TOTALS</b>			<b>-493</b>	<b>9,118</b>	<b>2,480</b>	<b>6,200</b>	<b>620</b>	<b>2</b>	<b>63</b>	<b>2.97</b>
<b>ACRE-FEET</b>			<b>-493</b>	<b>18,086</b>	<b>4,919</b>	<b>12,298</b>	<b>1,230</b>	<b>4</b>	<b>125</b>	

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

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

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

TOTAL POWER	4,919	JUDGE FRANCIS CARR POWERPLANT	4
TOTAL RIVER	18,447	TOTAL RELEASE	18,451

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

Table 7

MARCH 2001

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: April 19, 2001

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	
		4,423								
1	778.32	4,468	+45	43	0	20				
2	778.87	4,510	+42	46	0	25				
3	779.24	4,539	+29	40	0	25				
4	783.97	4,919	+380	217	0	25				
5	789.55	5,390	+471	259	0	22				
6	792.24	5,625	+235	138	0	20				
7	793.91	5,775	+150	98	0	22				
8	795.00	5,874	+99	77	0	27				
9	795.86	5,952	+78	74	35	0				
10	795.90	5,956	+4	66	64	0				
11	795.82	5,949	-7	53	57	0				
12	795.77	5,944	-5	46	49	0				
13	795.71	5,939	-5	49	50	2				
14	795.63	5,931	-8	43	38	9				
15	795.40	5,910	-21	39	31	19				
16	795.04	5,878	-32	33	9	40				
17	794.60	5,838	-40	25	0	45				
18	794.21	5,802	-36	22	0	40				
19	793.83	5,768	-34	23	0	40				
20	793.41	5,730	-38	21	0	40				
21	793.13	5,705	-25	20	0	33				
22	793.11	5,703	-2	17	0	18				
23	793.11	5,703	+0	15	0	15				
24	793.28	5,718	+15	23	0	15				
25	793.36	5,725	+7	19	0	15				
26	793.36	5,725	+0	17	0	17				
27	793.25	5,716	-9	15	0	20				
28	793.12	5,704	-12	14	0	20				
29	792.96	5,689	-15	12	0	20				
30	792.76	5,672	-17	13	0	22				
31	792.53	5,651	-21	14	0	25				
<b>TOTALS</b>			<b>+1,228</b>	<b>1,591</b>	<b>333</b>	<b>641</b>				
<b>ACRE-FEET</b>			<b>+1,228</b>	<b>3,156</b>	<b>661</b>	<b>1,271</b>				

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)

SPILL	661
OUTLET	1,271
TOTAL	1,932

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

Table 8

MARCH 2001

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: April 19, 2001

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	SPRING CR. P. P. RELEASE	SHASTA RELEASE C.F.S	POWER	RELEASE - C.F.S.		EVAP C.F.S. (1)
		RES.	CHANGE					SPILL	FISHTRAP	
		22,303								
1	586.06	23,173	+870	3,703	2,488	939	3,176	0	85	3
2	585.03	22,526	-647	2,930	1,508	1,062	3,171	0	85	0
3	584.30	22,075	-451	3,053	875	1,852	3,195	0	85	0
4	584.77	22,365	+290	3,422	851	1,410	3,190	0	85	1
5	585.59	22,878	+513	3,705	2,458	0	3,360	0	85	1
6	584.62	22,273	-605	3,079	2,195	0	3,299	0	85	0
7	583.46	21,562	-711	2,918	2,182	0	3,188	0	85	3
8	582.24	20,829	-733	2,898	2,216	117	3,182	0	85	1
9	581.72	20,522	-307	3,529	2,356	492	3,597	0	85	2
10	583.87	21,811	+1,289	7,199	3,776	2,974	6,461	0	85	3
11	583.35	21,495	-316	6,390	3,484	2,514	6,460	0	85	4
12	584.09	21,946	+451	6,751	1,881	4,629	6,436	0	85	3
13	582.64	21,068	-878	5,580	1,194	4,088	5,935	0	85	3
14	582.19	20,799	-269	5,671	534	4,856	5,719	0	85	3
15	582.40	20,925	+126	5,689	161	5,337	5,538	0	85	2
16	582.40	20,925	+0	5,447	162	5,069	5,360	0	85	2
17	582.33	20,883	-42	5,237	806	4,179	5,170	0	85	3
18	581.51	20,399	-484	4,776	154	4,385	4,933	0	85	2
19	584.33	22,094	+1,695	5,655	1,047	4,401	4,712	0	85	3
20	584.49	22,192	+98	4,634	317	3,964	4,497	0	85	3
21	584.10	21,952	-240	4,264	246	3,707	4,299	0	85	1
22	582.74	21,128	-824	3,791	1,126	2,524	4,117	0	85	4
23	582.48	20,973	-155	4,116	559	3,440	4,107	0	85	2
24	582.09	20,740	-233	4,081	377	3,652	4,112	0	85	1
25	583.17	21,386	+646	4,512	1,069	3,337	4,098	0	85	3
26	582.76	21,140	-246	4,082	1,228	2,734	4,119	0	85	2
27	582.24	20,829	-311	4,044	806	3,426	4,113	0	85	3
28	581.38	20,323	-506	3,940	1,024	2,863	4,143	0	49	3
29	581.46	20,370	+47	4,162	263	3,930	4,133	0	0	5
30	581.19	20,211	-159	4,074	298	3,946	4,115	0	36	3
31	582.52	20,996	+785	4,585	252	4,414	4,100	0	85	4
<b>TOTALS</b>			<b>-1,307</b>	<b>137,917</b>	<b>37,893</b>	<b>90,241</b>	<b>136,035</b>	<b>0</b>	<b>2,465</b>	<b>73</b>
<b>ACRE-FEET</b>			<b>-1,307</b>	<b>273,558</b>	<b>75,161</b>	<b>178,993</b>	<b>269,825</b>	<b>0</b>	<b>4,889</b>	<b>145</b>

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

POWER	269,825
SPILL	0
FISH TRAP	4,889

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

**Table 9**

**MARCH 2001**

**RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS** RUN DATE: April 19, 2001

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		362				
1	238.64	313	-49	0	0	8,324
2	238.63	312		0	0	8,411
3	240.25	505	+193	0	0	8,816
4	239.23	378	-127	0	0	8,740
5	248.40	2,265	+1,887	0	0	60,862
6	243.66	1,064	-1,201	0	0	18,744
7	240.67	562	-502	0	0	12,389
8	239.63	426	-136	0	0	10,262
9	239.15	368	-58	0	0	10,011
10	239.00	350	-18	0	0	9,834
11	239.53	414	+64	0	0	10,474
12	239.33	390	-24	0	0	10,176
13	239.17	370	-20	0	33	9,942
14	238.94	344	-26	0	67	9,146
15	238.84	334	-10	0	71	8,874
16	238.83	333		0	74	8,840
17	238.76	326	-7	8	74	8,526
18	238.65	314	-12	56	72	8,342
19	238.50	299	-15	55	72	8,119
20	238.42	291	-8	14	52	7,913
21	238.40	289	-2	0	48	7,978
22	238.37	286	-3	0	49	7,643
23	238.35	284	-2	0	70	7,129
24	238.27	276	-8	0	149	6,896
25	238.30	279	+3	0	102	7,311
26	238.53	302	+23	0	100	8,194
27	238.35	284	-18	0	99	7,226
28	238.22	270	-14	0	149	7,002
29	238.20	268	-2	0	270	6,974
30	238.20	268	+0	16	256	6,981
31	238.09	257	-11	0	275	6,642
<b>TOTALS</b>			<b>-103</b>	<b>149</b>	<b>2,082</b>	<b>326,721</b>
<b>ACRE-FEET</b>			<b>-103</b>	<b>296</b>	<b>4,130</b>	<b>648,051</b>

**SUMMARY**

RELEASE (ACRE-FEET)

CORNING CANAL	296
TEHAMA-COLUSA CANAL	4,130
TO SACTO RIVER	648,051
TOTAL	652,477

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

TABLE 10

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

MARCH 2001

Date	Midnight		Storage Change (ac-ft)	Mean Inflow (sfd)	----- Mean Outflow -----				Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)
	Elev (ft)	Storage (ac-ft)			Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)					
1	455.09	74788	-153	315	391.0	391.0	0.0	0.0	3	0.02	0.09	90300	68700
2	455.05	74667	-121	268	327.0	327.0	0.0	0.0	3	0.02	0.02	90811	69800
3	455.01	74545	-122	229	287.0	287.0	0.0	0.0	7	0.04	0.91	91701	69100
4	461.08	94363	19818	10243	251.1	251.0	0.1	0.0	0	0.00	1.82	95379	52500
5	465.73	111434	17071	12778	4166.1	4166.0	0.1	0.0	11	0.05	0.25	92795	51700
6	462.59	99726	-11708	3540	9417.0	9417.0	0.0	0.0	51	0.25	0.00	94040	53900
7	459.77	89851	-9875	1868	6837.0	6837.0	0.0	0.0	19	0.10	0.00	94797	56200
8	458.21	84647	-5204	1502	4119.0	4119.0	0.0	0.0	13	0.07	0.00	95525	59000
9	457.83	83408	-1239	1400	1995.0	1995.0	0.0	0.0	58	0.32	0.00	95629	61700
10	458.00	83961	553	1315	1009.0	1009.0	0.0	0.0	53	0.29	0.00	95300	64300
11	458.12	84353	392	1220	991.0	991.0	0.0	0.0	62	0.34	0.00	94967	66900
12	458.21	84647	294	1095	929.0	929.0	0.0	0.0	35	0.19	0.00	94570	69600
13	458.39	85239	592	1099	788.0	788.0	0.0	0.0	24	0.13	0.00	94079	72400
14	458.62	85997	758	1022	616.0	616.0	0.0	0.0	48	0.26	0.00	94040	75100
15	458.75	86428	431	663	439.0	439.0	0.0	0.0	13	0.07	0.00	94640	77900
16	458.79	86561	133	400	314.0	314.0	0.0	0.0	37	0.20	0.00	95190	80600
17	458.84	86727	166	319	223.0	223.0	0.0	0.0	24	0.13	0.00	96217	83300
18	459.01	87293	566	409	108.0	108.0	0.0	0.0	32	0.17	0.00	97032	85900
19	459.22	87996	703	424	54.0	54.0	0.0	0.0	30	0.16	0.00	97959	88400
20	459.58	89208	1212	657	44.0	44.0	0.0	0.0	4	0.02	0.08	98441	90600
21	460.15	91147	1939	1022	32.0	32.0	0.0	0.0	25	0.13	0.00	98552	93000
22	460.80	93388	2241	1162	22.0	22.0	0.0	0.0	21	0.11	0.00	98480	95900
23	461.43	95591	2203	1144	16.0	16.0	0.0	0.0	34	0.17	0.00	98312	99100
24	462.02	97681	2090	1081	15.0	15.0	0.0	0.0	24	0.12	0.02	98112	101000
25	462.66	99979	2298	1190	17.0	17.0	0.0	0.0	28	0.14	0.00	98209	102800
26	463.22	102015	2036	1071	17.0	17.0	0.0	0.0	55	0.27	0.00	97932	105200
27	463.73	103889	1874	983	17.0	17.0	0.0	0.0	43	0.21	0.00	97547	108100
28	464.20	105635	1746	920	15.0	15.0	0.0	0.0	50	0.24	0.00	97986	110900
29	464.39	106345	710	427	27.0	27.0	0.0	0.0	84	0.40	0.00	98779	113900
30	464.63	107246	901	583	89.0	54.0	35.0	0.0	78	0.37	0.00	98290	116700
31	464.95	108455	1209	789	145.0	78.0	67.0	0.0	68	0.32	0.00	98309	119600
Totals (sfd)				51138	33717.2	33615.0	102.2	0.0					
Totals (ac-ft)			33514	101432	66878.1	66675.4		1037					
Totals (inches)									5.31	3.19			

[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

MARCH 2001

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: April 19, 2001

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		PUMPING PLANT	EVAPORATION		PRECIP INCHES
		1000 ACRE- FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET		C.F.S.	INCHES	
1	419.61	524.6	+0.2	2,039	1,786	0	0	102	28	.10	.00
2	419.76	526.0	+1.2	2,334	1,613	0	0	79	25	.09	.18
3	420.05	528.4	+2.4	2,570	1,286	0	0	82	8	.03	.16
4	420.41	531.4	+3.0	2,956	1,333	0	0	88	42	.15	.39
5	421.19	537.8	+6.4	4,765	1,396	0	0	94	31	.11	.57
6	421.78	542.7	+4.9	3,688	1,117	0	0	93	8	.03	.02
7	422.13	545.6	+2.9	3,200	1,618	0	0	94	17	.06	.00
8	422.40	547.9	+2.3	2,987	1,733	0	0	94	20	.07	.00
9	422.70	550.4	+2.5	2,930	1,550	0	0	95	17	.06	.00
10	422.94	552.4	+2.0	2,724	1,600	0	0	96	14	.05	.00
11	423.23	554.8	+2.4	2,661	1,322	0	0	85	20	.07	.00
12	423.47	556.9	+2.0	2,577	1,411	0	0	100	43	.15	.00
13	423.47	556.9	+0.0	1,945	1,818	0	0	99	28	.10	.00
14	423.56	557.6	+0.8	2,045	1,543	0	0	92	26	.09	.00
15	423.76	559.3	+1.7	2,373	1,393	0	0	87	40	.14	.00
16	423.97	561.1	+1.8	2,378	1,373	0	0	93	17	.06	.00
17	424.00	561.4	+0.3	1,689	1,424	0	0	106	31	.11	.00
18	424.02	561.5	+0.2	1,670	1,439	0	0	117	28	.10	.00
19	424.09	562.1	+0.6	2,172	1,732	0	0	111	28	.10	.00
20	424.33	564.2	+2.0	2,702	1,589	0	0	46	34	.12	.00
21	424.70	567.3	+3.2	3,320	1,571	0	0	123	34	.12	.00
22	425.05	570.3	+3.0	2,921	1,245	0	0	140	29	.10	.00
23	425.29	572.4	+2.1	2,624	1,420	0	0	125	37	.13	.00
24	425.60	575.1	+2.7	2,981	1,463	0	0	144	29	.10	.00
25	426.18	580.1	+5.0	4,327	1,659	0	0	145	0	.00	.62
26	426.81	585.5	+5.5	4,563	1,667	0	0	107	32	.11	.00
27	427.15	588.5	+3.0	3,180	1,529	0	0	126	32	.11	.00
28	427.60	592.4	+3.9	3,555	1,418	0	0	123	29	.10	.00
29	428.04	596.3	+3.9	3,486	1,379	0	0	126	38	.13	.00
30	428.39	599.4	+3.1	3,152	1,390	0	0	152	53	.18	.00
31	428.71	602.2	+2.8	3,274	1,654	0	0	155	41	.14	.00
<b>TOTALS</b>			<b>+77.8</b>	<b>89,788</b>	<b>46,471</b>	<b>0</b>	<b>0</b>	<b>3,319</b>	<b>859</b>	<b>3.01</b>	<b>1.94</b>
<b>ACRE- FEET</b>			<b>+77,800</b>	<b>178,094</b>	<b>92,175</b>	<b>0</b>	<b>0</b>	<b>6,583</b>	<b>1,704</b>		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE- FEET)			PRECIPITATION	
POWER	92,175	OUTLET	0	THIS MONTH =	1.94
SPILL	0	TOTAL	98,758	JULY 1, 2000 TO DATE =	15.98
PUMPING PLANT	6,583				

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

Table 12

MARCH 2001

LAKE NATOMA DAILY OPERATIONS

RUN DATE: April 19, 2001

DAY	ELEV	STORAGE ACRE-FEET		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
		8,003							
1	124.05	8,286	+283	1,698	20	1,474	0	60	1
2	124.38	8,451	+165	1,673	7	1,522	0	60	1
3	123.50	8,026	-425	1,365	0	1,519	0	60	0
4	123.20	7,885	-141	1,412	0	1,421	0	60	2
5	123.57	8,059	+174	1,621	18	1,454	0	60	1
6	121.97	7,328	-731	1,274	30	1,553	0	60	0
7	122.23	7,445	+117	1,582	30	1,432	0	60	1
8	123.20	7,885	+440	1,751	30	1,438	0	60	1
9	123.35	7,956	+71	1,586	30	1,459	0	60	1
10	123.61	8,078	+122	1,618	30	1,465	0	60	1
11	122.95	7,769	-309	1,386	30	1,451	0	60	1
12	122.70	7,656	-113	1,451	30	1,416	0	60	2
13	123.86	8,195	+539	1,811	30	1,448	0	60	1
14	123.91	8,219	+24	1,578	30	1,475	0	60	1
15	123.49	8,021	-198	1,455	28	1,465	0	60	2
16	123.04	7,810	-211	1,446	20	1,471	0	60	1
17	122.84	7,719	-91	1,474	20	1,439	0	60	1
18	122.65	7,634	-85	1,478	26	1,434	0	60	1
19	123.44	7,998	+364	1,730	30	1,455	0	60	1
20	123.79	8,162	+164	1,652	30	1,477	0	60	2
21	123.99	8,256	+94	1,591	24	1,458	0	60	2
22	122.98	7,782	-474	1,322	20	1,480	0	60	1
23	122.64	7,629	-153	1,469	20	1,464	0	60	2
24	122.52	7,575	-54	1,524	20	1,470	0	60	1
25	123.10	7,838	+263	1,655	22	1,440	0	60	0
26	123.51	8,031	+193	1,665	31	1,476	0	60	1
27	123.43	7,993	-38	1,598	35	1,079	442	60	1
28	123.22	7,894	-99	1,484	35	1,438	0	60	1
29	122.61	7,616	-278	1,399	35	1,442	0	60	2
30	122.28	7,467	-149	1,464	32	1,445	0	60	2
31	122.85	7,724	+257	1,667	24	1,451	0	60	2
<b>TOTALS</b>			<b>-279</b>	<b>47,879</b>	<b>767</b>	<b>44,911</b>	<b>442</b>	<b>1,860</b>	<b>37</b>
<b>ACRE-FEET</b>			<b>-279</b>	<b>94,968</b>	<b>1,521</b>	<b>89,081</b>	<b>877</b>	<b>3,689</b>	<b>73</b>

COMMENTS:

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

(1) INCHES OF EVAPORATION TAKEN FROM FOLSOM PAN.

SUMMARY

	RELEASES (ACRE-FEET)			RELEASES (ACRE-FEET)	
POWER	89,081	FOLSOM SOUTH CANAL	1,521	TOTAL	95,168
SPILL	877	HATCHERY	3,689		

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

MARCH 2001

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: January 28, 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		
		1,896.2									
1	1,042.75	1,896.3	+0.1	544	480	0	0	10	.03	.33	
2	1,042.86	1,897.5	+1.2	625	0	0	0	31	.09	.03	
3	1,042.94	1,898.4	+0.9	446	0	0	0	14	.04	.30	
4	1,043.08	1,899.9	+1.5	911	130	0	0	24	.07	.34	
5	1,043.48	1,904.2	+4.3	2,177	0	0	0	10	.03	1.08	
6	1,043.75	1,907.1	+2.9	1,469	0	0	0	7	.02	.41	
7	1,043.91	1,908.8	+1.7	874	0	0	0	7	.02	.00	
8	1,044.02	1,910.0	+1.2	603	0	0	0	7	.02	.00	
9	1,044.16	1,911.5	+1.5	789	0	0	0	28	.08	.00	
10	1,044.25	1,912.5	+1.0	506	0	0	0	17	.05	.00	
11	1,044.34	1,913.4	+1.0	506	0	0	0	17	.05	.00	
12	1,044.37	1,913.8	+0.3	726	539	0	0	24	.07	.00	
13	1,044.47	1,914.8	+1.1	781	235	0	0	3	.01	.00	
14	1,044.57	1,915.9	+1.1	616	0	0	0	73	.21	.00	
15	1,044.59	1,916.1	+0.2	671	524	0	0	38	.11	.00	
16	1,044.69	1,917.2	+1.1	574	0	0	0	31	.09	.00	
17	1,044.79	1,918.3	+1.1	592	0	0	0	49	.14	.00	
18	1,044.89	1,919.4	+1.1	588	0	0	0	45	.13	.00	
19	1,044.88	1,919.3	-0.1	985	994	0	0	45	.13	.00	
20	1,044.86	1,919.0	-0.2	956	1,013	0	0	52	.15	.00	
21	1,045.02	1,920.8	+1.7	933	0	0	0	63	.18	.00	
22	1,045.05	1,921.1	+0.3	918	698	0	0	56	.16	.00	
23	1,045.08	1,921.4	+0.3	1,113	894	0	0	56	.16	.00	
24	1,045.05	1,921.1	-0.3	1,004	1,122	0	0	45	.13	.00	
25	1,045.26	1,923.4	+2.3	1,190	0	0	0	45	.13	.63	
26	1,045.50	1,926.0	+2.6	1,552	198	0	0	45	.13	.00	
27	1,045.43	1,925.2	-0.8	859	1,185	0	0	56	.16	.00	
28	1,045.32	1,924.0	-1.2	1,219	1,767	0	0	52	.15	.00	
29	1,045.20	1,922.7	-1.3	1,198	1,799	0	1	52	.15	.00	
30	1,045.21	1,922.8	+0.1	1,347	1,241	0	0	52	.15	.00	
31	1,045.00	1,920.5	-2.3	1,047	2,122	0	0	70	.20	.00	
<b>TOTALS</b>			<b>+24.4</b>	<b>28,319</b>	<b>14,941</b>	<b>0</b>	<b>1</b>	<b>1,124</b>	<b>3.24</b>	<b>3.12</b>	
<b>ACRE-FEET</b>			<b>+24,400</b>	<b>56,171</b>	<b>29,635</b>	<b>0</b>	<b>2</b>	<b>2,229</b>			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	29,635	OUTLET	2
SPILL	0	TOTAL	29,637
		THIS MONTH =	3.12
		JULY 1, 2000 TO DATE =	20.41



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

MARCH 2001

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE ACRE-FEET RES. CHANGE		TULLOCH RELEASE	RELEASE - C.F.S.			
					RIVER		CANALS	
				OUTLET	SPILL	JOINT MAIN	SOUTH MAIN	
		537						
1	360.00	537	+0	267	0	279	1	0
2	360.00	537	+0	267	0	279	3	0
3	360.00	537	+0	267	0	277	3	0
4	360.00	537	+0	264	0	285	2	0
5	360.00	537	+0	249	0	287	3	0
6	360.00	537	+0	262	0	277	1	0
7	360.00	537	+0	267	0	281	0	0
8	360.00	537	+0	269	0	282	0	0
9	360.00	537	+0	268	0	283	0	0
10	360.00	537	+0	269	0	282	0	0
11	360.00	537	+0	268	0	281	0	0
12	360.00	537	+0	268	0	280	0	0
13	360.00	537	+0	280	0	282	0	0
14	360.00	537	+0	299	0	288	0	0
15	360.00	537	+0	288	0	277	0	0
16	360.00	537	+0	269	0	254	0	0
17	359.97	535	-2	271	0	261	0	0
18	359.97	535	+0	276	0	265	0	0
19	359.97	535	+0	526	0	264	217	0
20	359.97	535	+0	687	0	260	386	0
21	359.97	535	+0	691	0	260	388	0
22	359.97	535	+0	795	0	258	571	0
23	359.97	535	+0	1,991	0	263	643	0
24	359.94	533	-2	850	0	256	529	0
25	359.97	535	+2	532	0	266	241	0
26	359.94	533	-2	517	0	260	175	12
27	359.94	533	+0	1,188	0	260	650	149
28	359.97	535	+2	1,375	0	264	815	152
29	359.97	535	+0	1,446	0	266	834	202
30	360.01	538	+3	1,541	0	288	857	240
31	360.08	543	+5	1,727	0	424	884	295
<b>TOTALS</b>			<b>+6</b>	<b>18,734</b>	<b>0</b>	<b>8,589</b>	<b>7,203</b>	<b>1,050</b>
<b>ACRE-FEET</b>			<b>+6</b>	<b>37,159</b>	<b>0</b>	<b>17,036</b>	<b>14,287</b>	<b>2,083</b>

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	14,287	OUTLET	0
SOUTH MAIN CANAL	2,083	SPILL	17,036
		TOTAL	33,406

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

Table 15

MARCH 2001

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: April 19, 2001

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.				EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		CANALS		RIVER		C.F.S.	INCHES	
					MADERA	FRIANT-KERN	SPILL	OUTLET			
		305.9									
1	527.80	306.9	+0.9	828	0	253	0	85	15	.13	.02
2	527.93	307.4	+0.5	580	0	253	0	85	5	.04	.07
3	528.58	309.7	+2.4	1,422	0	116	0	85	26	.22	.07
4	529.24	312.1	+2.4	1,316	0	0	0	85	13	.11	.98
5	530.63	317.3	+5.1	2,735	0	0	0	85	72	.60	.16
6	531.16	319.2	+2.0	1,077	0	0	0	86	5	.04	.00
7	531.76	321.4	+2.2	1,218	0	0	0	86	10	.08	.00
8	532.33	323.6	+2.1	1,166	0	0	0	86	10	.08	.01
9	533.08	326.4	+2.8	1,519	0	0	0	86	19	.16	.00
10	533.97	329.7	+3.3	1,779	0	0	0	86	5	.04	.00
11	534.72	332.6	+2.8	1,532	0	0	0	86	14	.11	.00
12	535.42	335.2	+2.7	1,595	0	156	0	86	10	.08	.00
13	535.96	337.3	+2.1	1,419	0	268	0	86	27	.22	.00
14	536.41	339.0	+1.7	1,257	0	269	0	87	30	.24	.00
15	536.69	340.1	+1.1	904	0	270	0	87	5	.04	.00
16	537.04	341.4	+1.3	1,043	0	270	0	87	7	.06	.00
17	537.27	342.3	+0.9	826	0	271	0	87	20	.16	.00
18	537.48	343.1	+0.8	777	0	271	0	87	10	.08	.00
19	538.07	345.4	+2.3	1,536	0	272	0	87	26	.21	.00
20	538.83	348.4	+3.0	1,882	0	273	0	87	30	.24	.00
21	539.28	350.1	+1.8	1,277	0	274	0	87	29	.23	.00
22	539.75	352.0	+1.8	1,371	0	319	0	86	37	.29	.00
23	539.99	352.9	+0.9	915	0	352	0	86	3	.02	.00
24	540.18	353.7	+0.7	843	0	352	0	86	29	.23	.00
25	540.70	355.7	+2.0	1,516	0	380	0	86	20	.16	.00
26	541.27	358.0	+2.2	1,766	0	537	0	86	10	.08	.00
27	542.37	362.3	+4.4	2,945	0	643	0	84	19	.15	.00
28	543.22	365.7	+3.4	2,558	0	730	0	102	16	.12	.00
29	544.05	369.0	+3.3	2,606	0	792	0	115	21	.16	.00
30	544.88	372.4	+3.3	2,610	0	792	0	116	14	.11	.00
31	545.71	375.8	+3.4	2,651	0	792	0	116	45	.34	.00
<b>TOTALS</b>			<b>+69.8</b>	<b>47,469</b>	<b>0</b>	<b>8,905</b>	<b>0</b>	<b>2,772</b>	<b>602</b>	<b>4.83</b>	<b>1.31</b>
<b>ACRE-FEET</b>			<b>+69,802</b>	<b>94,155</b>	<b>0</b>	<b>17,663</b>	<b>0</b>	<b>5,498</b>	<b>1,194</b>		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)				PRECIPITATION	
CANALS		RIVER		THIS MONTH =	
FRIANT-KERN	17,663	AT FRIANT	5,498	JULY 1, 2000 TO DATE =	1.31
MADERA	0	TOTAL RELEASES	23,161		11.62

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

Table 16

March 2001

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @ Freepont -prev day-	SRTP -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	NDOl daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
03/01/01	36,176	238	704	723	4,691	4,611	4,328	42,532	(2,701)	4,994	4,149	0	0	22	9,164	8,446	36,069	37,293	36,069	21.5%	19.7%	26.5%
03/02/01	31,856	236	669	665	4,328	4,637	4,108	37,754	772	4,847	4,159	0	0	26	9,033	8,751	27,950	36,808	32,010	23.9%	21.2%	26.8%
03/03/01	28,508	234	654	689	3,888	4,535	3,957	33,973	(1,510)	4,529	4,163	0	0	23	8,715	8,947	26,768	35,649	30,262	25.6%	23.5%	26.8%
03/04/01	25,892	232	635	765	3,656	4,355	3,854	31,180	(2,423)	4,993	4,133	0	0	23	9,149	8,942	24,455	33,705	28,811	29.3%	26.1%	26.2%
03/05/01	24,076	231	2,112	831	3,542	4,128	3,829	30,792	(4,884)	5,142	4,076	6	0	27	9,251	9,012	26,424	31,835	28,333	29.9%	28.2%	25.8%
03/06/01	27,360	229	2,544	1,382	3,731	4,078	3,976	35,246	(8,307)	7,900	2,351	3	0	26	10,279	9,531	33,274	30,727	29,157	29.1%	29.4%	26.4%
03/07/01	35,448	227	1,034	1,306	4,710	4,210	4,210	42,725	(8,307)	3,993	801	0	0	19	4,813	8,088	46,219	31,594	31,594	11.2%	22.3%	21.6%
03/08/01	41,476	225	757	1,013	5,618	4,379	4,372	49,089	(5,746)	3,992	1,374	71	0	27	5,464	6,804	49,372	33,495	33,816	10.9%	16.1%	17.4%
03/09/01	45,164	225	638	893	5,506	4,635	4,518	52,426	(4,834)	3,984	1,715	55	0	23	5,777	5,286	51,482	36,856	35,779	10.9%	11.0%	13.1%
03/10/01	46,216	225	576	849	5,679	4,916	4,629	53,545	(2,323)	5,493	1,115	88	0	24	6,720	5,891	49,148	40,053	37,116	12.3%	11.4%	14.2%
03/11/01	41,516	225	527	836	5,629	5,137	4,670	48,733	1,150	5,476	861	115	0	29	6,481	6,215	41,102	42,432	37,479	13.0%	12.1%	14.8%
03/12/01	35,454	225	492	781	5,083	5,249	4,658	42,035	1,150	8,469	859	120	0	22	9,471	7,425	31,414	43,144	36,973	22.2%	15.4%	17.7%
03/13/01	31,416	225	463	741	4,520	5,169	4,618	37,365	1,200	7,825	857	116	0	27	8,824	8,116	27,341	42,297	36,232	23.2%	19.0%	19.6%
03/14/01	28,888	225	440	717	4,145	4,915	4,563	34,415	1,250	7,430	804	115	0	28	8,376	8,748	24,789	39,235	35,415	23.9%	23.1%	21.4%
03/15/01	26,408	225	525	692	3,840	4,631	4,493	31,690	1,250	7,211	744	111	7	26	8,086	8,290	22,354	35,376	34,544	25.1%	24.0%	20.7%
03/16/01	24,176	225	582	674	3,523	4,297	4,421	29,180	1,300	6,670	743	116	10	28	7,546	7,867	20,334	30,926	33,656	25.4%	24.8%	19.9%
03/17/01	22,104	225	578	558	3,338	3,953	4,350	26,803	1,350	6,239	744	116	10	26	7,115	7,450	18,338	26,525	32,755	26.0%	25.5%	19.1%
03/18/01	20,421	225	573	542	3,221	3,670	4,281	24,982	1,350	6,502	742	118	10	23	7,375	7,213	16,257	22,975	31,838	29.0%	26.7%	18.7%
03/19/01	19,200	225	571	558	3,103	3,458	4,216	23,657	1,400	6,579	742	200	5	2	7,519	7,183	14,738	20,593	30,938	30.9%	28.5%	18.9%
03/20/01	18,020	225	567	596	3,035	3,291	4,154	22,443	1,400	6,678	745	302	31	0	7,693	7,329	13,350	18,594	30,059	32.9%	30.9%	19.7%
03/21/01	17,344	225	563	640	2,976	3,162	4,096	21,748	1,450	6,675	745	297	28	4	7,692	7,388	12,606	16,854	29,228	34.0%	32.6%	20.7%
03/22/01	17,036	225	579	710	2,941	3,064	4,038	21,491	1,500	6,679	746	309	74	8	7,668	7,422	12,323	15,421	28,459	34.2%	33.7%	22.0%
03/23/01	16,928	225	570	729	2,834	2,987	3,985	21,286	1,500	6,675	1,431	306	59	0	8,352	7,650	11,434	14,149	27,719	37.8%	35.3%	24.2%
03/24/01	16,820	225	563	744	2,799	2,916	3,932	21,151	1,550	6,672	1,941	309	59	5	8,867	8,048	10,734	13,063	27,011	40.4%	37.5%	27.5%
03/25/01	16,276	225	556	753	2,725	2,867	3,885	20,535	1,322	6,669	1,952	305	50	12	8,887	8,447	10,326	12,216	26,344	41.7%	40.0%	31.0%
03/26/01	16,336	225	558	858	2,757	2,792	3,832	20,734	915	6,584	1,924	306	54	0	8,760	8,581	11,059	11,690	25,756	40.8%	41.0%	33.4%
03/27/01	16,008	225	555	936	2,512	2,675	3,770	20,236	915	5,799	1,938	305	63	0	7,979	8,289	11,342	11,403	25,222	37.9%	40.2%	33.9%
03/28/01	15,924	225	548	816	2,160	2,561	3,712	19,673	965	5,399	2,378	319	57	11	8,049	8,007	10,659	11,125	24,702	39.2%	39.3%	34.2%
03/29/01	16,064	225	544	768	2,137	2,462	3,658	19,738	965	4,791	2,691	341	68	15	7,771	7,665	11,002	10,937	24,230	37.6%	38.2%	33.9%
03/30/01	15,564	225	542	770	2,142	2,368	3,607	19,243	1,194	3,798	3,295	341	63	14	7,385	7,451	10,665	10,827	23,778	36.5%	37.8%	34.1%
03/31/01	14,990	225	542	749	2,145	2,281	3,559	18,651	1,700	3,597	3,461	300	50	18	7,325	7,211	9,626	10,668	23,321	37.6%	37.2%	33.9%
<b>Total</b>	<b>789,065</b>	<b>7,027</b>	<b>21,761</b>	<b>24,284</b>	<b>112,914</b>	<b>118,390</b>	<b>128,279</b>	<b>955,051</b>	<b>(13,487)</b>	<b>182,283</b>	<b>58,378</b>	<b>5,090</b>	<b>700</b>	<b>533</b>	<b>245,585</b>	<b>241,691</b>	<b>722,953</b>	<b>808,465</b>	<b>948,608</b>	<b>874.0%</b>	<b>851.4%</b>	<b>743.9%</b>
<b>Average</b>	<b>25,454</b>	<b>227</b>	<b>702</b>	<b>783</b>	<b>3,642</b>	<b>3,819</b>	<b>4,138</b>	<b>30,808</b>	<b>(435)</b>	<b>5,880</b>	<b>1,883</b>	<b>164</b>	<b>23</b>	<b>17</b>	<b>7,922</b>	<b>7,796</b>	<b>23,321</b>	<b>26,080</b>	<b>948,608</b>	<b>28.2%</b>	<b>27.5%</b>	<b>24.0%</b>

Table 17

MARCH 2001

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

RUN DATE: April 19, 2001

DAY	ELEV	STORAGE ACRE-FEET IN LAKE	CHANGE	SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION C.F.S.	INCHES	PRECIP INCHES
					POWER	PACHECO TUNNEL	SPILL				
		1,797,186									
1	525.23	1,806,455	+9,269	5,390	0	31	0	-686	59	.15	.00
2	526.04	1,816,352	+9,897	5,759	0	159	0	-610	47	.12	.12
3	526.92	1,827,126	+10,774	5,906	0	151	0	-324	67	.17	.05
4	528.25	1,843,450	+16,324	9,070	0	156	0	-684	0	.00	.15
5	529.19	1,855,018	+11,568	6,620	0	168	0	-620	64	.16	1.06
6	530.39	1,869,822	+14,804	8,870	0	134	0	-1,272	12	.03	.02
7	531.40	1,882,313	+12,491	7,592	0	130	0	-1,165	32	.08	.00
8	532.02	1,889,996	+7,683	4,648	0	150	0	-625	64	.16	.00
9	532.44	1,895,206	+5,210	2,840	0	156	0	-57	80	.20	.00
10	533.18	1,904,398	+9,192	5,201	0	77	0	-490	40	.10	.00
11	533.81	1,912,236	+7,838	4,567	0	83	0	-532	64	.16	.00
12	534.73	1,923,702	+11,466	6,764	0	122	0	-862	61	.15	.00
13	535.68	1,935,567	+11,865	6,965	0	109	0	-875	61	.15	.00
14	536.53	1,946,204	+10,637	6,021	0	102	0	-556	81	.20	.00
15	537.35	1,956,486	+10,282	5,824	0	104	0	-536	73	.18	.00
16	538.00	1,964,649	+8,163	4,718	0	120	0	-482	61	.15	.00
17	538.52	1,971,188	+6,539	3,807	0	139	0	-371	90	.22	.00
18	539.30	1,981,010	+9,822	5,539	0	150	0	-438	73	.18	.00
19	539.60	1,984,793	+3,783	2,099	0	152	0	-40	82	.20	.00
20	539.70	1,986,054	+1,261	1,359	525	155	0	-44	78	.00	.00
21	539.63	1,985,171	-883	969	1,575	166	0	+327	102	.25	.00
22	539.60	1,984,793	-378	0	0	55	0	-135	106	.26	.00
23	539.05	1,977,860	-6,933	0	3,507	164	0	+175	102	.25	.00
24	538.86	1,975,467	-2,393	0	967	164	0	-75	69	.17	.00
25	538.85	1,975,341	-126	0	0	154	0	+90	106	.26	.00
26	538.71	1,973,579	-1,762	0	612	166	0	-110	122	.30	.00
27	538.97	1,976,852	+3,273	2,588	0	185	0	-753	90	.22	.00
28	539.13	1,978,868	+2,016	1,219	0	189	0	-13	114	.28	.00
29	539.13	1,978,868	+0	0	0	201	0	+201	163	.40	.00
30	539.10	1,978,490	-378	0	0	161	0	-30	122	.30	.00
31	539.06	1,977,986	-504	0	0	179	0	-75	159	.39	.00
<b>TOTALS</b>			<b>+180,800</b>	<b>114,335</b>	<b>7,186</b>	<b>4,332</b>	<b>0</b>	<b>-11,667</b>	<b>2,444</b>	<b>5.84</b>	<b>1.40</b>
<b>ACRE-FEET</b>			<b>+180,800</b>	<b>226,783</b>	<b>14,253</b>	<b>8,593</b>	<b>0</b>	<b>-23,141</b>	<b>4,848</b>		

**SUMMARY**

	RELEASE (ACRE-FEET)				PRECIPITATION	
POWER	14,253	SPILL	0	THIS MONTH =	1.40	
PACHECO TUNNEL	8,593	TOTAL	22,846	JULY 1, 2000 TO DATE =	9.07	

MARCH 2001

**CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY  
DAILY OPERATIONS**

RUN DATE: April 19, 2001

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		
		47,178									
1	222.39	49,421	+2,243	2,249	0	4,557	0	5,390	1,038		+753
2	222.66	50,139	+718	2,348	0	4,621	0	5,759	1,481		+632
3	223.07	51,233	+1,094	2,502	0	4,443	0	5,906	1,047		+560
4	221.43	46,889	-4,344	2,691	0	4,759	0	9,070	1,818		+1,248
5	223.49	52,357	+5,468	3,261	0	5,671	0	6,620	561		+1,006
6	223.90	53,458	+1,101	2,048	0	6,737	0	8,870	706		+1,346
7	221.59	47,309	-6,149	0	0	4,281	0	7,592	1,063		+1,274
8	220.81	45,263	-2,046	367	0	3,321	0	4,648	975		+903
9	221.59	47,309	+2,046	772	0	3,696	0	2,840	1,248		+652
10	220.82	45,289	-2,020	279	0	4,717	85	5,201	1,432		+703
11	220.78	45,184	-105	0	0	5,384	152	4,567	1,312		+593
12	220.55	44,583	-601	0	0	7,150	252	6,764	1,416		+979
13	220.66	44,870	+287	0	0	7,768	152	6,965	1,561		+1,056
14	220.91	45,525	+655	0	0	7,581	236	6,021	1,843		+850
15	221.15	46,154	+629	0	0	7,318	147	5,824	1,791		+760
16	221.02	45,813	-341	0	0	6,258	57	4,718	2,411		+757
17	221.43	46,889	+1,076	0	0	6,356	0	3,807	2,573		+567
18	218.63	39,649	-7,240	0	0	6,236	0	5,539	5,038		+691
19	218.53	39,398	-251	0	0	6,201	0	2,099	4,186		-43
20	218.87	40,255	+857	0	525	6,349	163	1,359	5,220		+300
21	219.86	42,790	+2,535	0	1,575	6,439	379	969	5,884		+497
22	218.68	39,775	-3,015	0	0	5,960	627	0	7,329		+476
23	220.00	43,152	+3,377	216	3,507	5,940	365	0	7,898		+302
24	220.18	43,619	+467	417	967	6,068	0	0	7,390		+174
25	219.32	41,400	-2,219	598	0	6,502	0	0	8,530		+311
26	218.98	40,533	-867	615	612	5,155	0	0	7,017		+199
27	217.98	38,022	-2,511	471	0	5,413	0	2,588	5,197		+635
28	218.67	39,750	+1,728	785	0	4,991	0	1,219	3,936		+249
29	219.29	41,323	+1,573	1,057	0	4,385	0	0	4,902		+254
30	218.47	39,246	-2,077	1,396	0	3,275	0	0	5,930		+212
31	218.92	40,381	+1,135	1,836	0	3,221	0	0	4,614		+129
<b>TOTALS</b>			<b>-6,797</b>	<b>23,908</b>	<b>7,186</b>	<b>170,753</b>	<b>2,615</b>	<b>114,335</b>	<b>107,347</b>		<b>+19,025</b>
<b>ACRE-FEET</b>			<b>-6,797</b>	<b>47,422</b>	<b>14,253</b>	<b>338,689</b>	<b>5,187</b>	<b>226,783</b>	<b>212,923</b>	<b>0</b>	<b>37,736</b>

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

**SUMMARY**

RELEASE (ACRE-FEET)

O'NEILL GEN.	5,187	DOS AMIGOS PUMP	212,923
SAN LUIS PUMP	226,783	DELIVERIES	0
		TOTAL	444,893

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

Table 19

MARCH 2001

FEDERAL-STATE OPERATIONS  
 SAN LUIS UNIT

RUN DATE: April 19, 2001

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	PUMPING		GENER	PUMPING		GENERATION		FED	STATE		TOTAL	FED	STATE	TOTAL
1	9,039	0	9,039	4,461	0	4,461	0	3,770	6,921	10,691	0	0	0	61	1,814	245	2,059
2	9,166	0	9,166	4,658	0	4,658	0	3,496	7,926	11,422	0	0	0	315	1,043	1,895	2,938
3	8,812	0	8,812	4,963	0	4,963	0	3,362	8,353	11,715	0	0	0	299	1,009	1,068	2,077
4	9,440	0	9,440	5,337	0	5,337	0	8,882	9,108	17,990	0	0	0	310	1,148	2,458	3,606
5	11,248	0	11,248	6,469	0	6,469	0	2,984	10,147	13,131	0	0	0	334	764	349	1,113
6	13,363	0	13,363	4,063	0	4,063	0	3,291	14,303	17,594	0	0	0	266	994	407	1,401
7	8,492	0	8,492	0	0	0	0	3,134	11,924	15,058	0	0	0	257	1,012	1,097	2,109
8	6,587	0	6,587	728	0	728	0	2,465	6,755	9,220	0	0	0	297	1,055	878	1,933
9	7,331	0	7,331	1,531	0	1,531	0	0	5,633	5,633	0	0	0	309	1,100	1,376	2,476
10	9,356	0	9,356	553	0	553	168	0	10,316	10,316	0	0	0	152	1,032	1,808	2,840
11	10,679	0	10,679	0	0	0	301	0	9,058	9,058	0	0	0	165	1,043	1,559	2,602
12	14,183	0	14,183	0	0	0	499	0	13,417	13,417	0	0	0	242	1,002	1,807	2,809
13	15,407	0	15,407	0	0	0	301	0	13,816	13,816	0	0	0	216	992	2,105	3,097
14	15,036	0	15,036	0	0	0	468	0	11,943	11,943	0	0	0	203	588	3,067	3,655
15	14,516	0	14,516	0	0	0	291	0	11,551	11,551	0	0	0	206	611	2,942	3,553
16	12,412	0	12,412	0	0	0	113	0	9,359	9,359	0	0	0	239	614	4,168	4,782
17	12,607	0	12,607	0	0	0	0	0	7,551	7,551	0	0	0	276	609	4,495	5,104
18	12,369	0	12,369	0	0	0	0	0	10,987	10,987	0	0	0	297	534	9,459	9,993
19	12,300	0	12,300	0	0	0	0	0	4,164	4,164	0	0	0	301	585	7,717	8,302
20	12,594	0	12,594	0	0	0	324	0	2,696	2,696	1,183	-142	1,041	307	586	9,767	10,353
21	12,771	0	12,771	0	0	0	752	0	1,923	1,923	3,263	-139	3,124	330	606	11,064	11,670
22	11,822	0	11,822	0	0	0	1,244	0	0	0	0	0	0	110	1,813	12,724	14,537
23	11,782	0	11,782	428	0	428	723	0	0	0	3,652	3,304	6,956	325	1,852	13,813	15,665
24	12,035	0	12,035	827	0	827	0	0	0	0	0	1,918	1,918	326	1,841	12,818	14,659
25	12,897	0	12,897	1,187	0	1,187	0	0	0	0	0	0	0	305	1,795	15,124	16,919
26	10,224	0	10,224	1,219	0	1,219	0	0	0	0	0	1,214	1,214	330	2,376	11,542	13,918
27	10,737	0	10,737	935	0	935	0	0	5,134	5,134	0	0	0	367	2,405	7,904	10,309
28	9,900	0	9,900	1,558	0	1,558	0	0	2,417	2,417	0	0	0	375	2,324	5,483	7,807
29	8,697	0	8,697	2,096	0	2,096	0	0	0	0	0	0	0	399	2,374	7,350	9,724
30	6,495	0	6,495	2,769	0	2,769	0	0	0	0	0	0	0	319	3,954	7,808	11,762
31	6,389	0	6,389	3,641	0	3,641	0	0	0	0	0	0	0	355	3,856	5,295	9,151

AQUEDUCT CHECK 12	O'NEILL PUMPING		O'NEILL GENERATION		SAN LUIS PUMPING		SAN LUIS GENERATION		PACHECO PUMPING	DOS AMIGOS			
TOTAL	338,686	TOTAL	47,423	TOTAL	5,184	TOTAL	226,786	TOTAL	14,253	TOTAL	8,593	TOTAL	212,923
FEDERAL	0	FEDERAL	47,423			FEDERAL	31,384	FEDERAL	8,098			FEDERAL	43,331
STATE	338,686	STATE	0			STATE	195,402	STATE	6,155			STATE	169,592
												XVC	0

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

MARCH 2001

FEDERAL-STATE OPERATIONS

RUN DATE: April 19, 2001

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE DOS AMIGOS BETHANY			AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		XVC	XVC	TOTAL	STATE	FED	TOTAL	
1	8,229	0	8,229	9,905	9,388	0	9,388	0	0	0	970	0	970	3,768	
2	8,250	0	8,250	9,615	9,787	0	9,787	0	0	0	903	0	903	3,592	
3	8,258	0	8,258	8,984	9,350	0	9,350	0	0	0	902	0	902	3,295	
4	8,197	0	8,197	9,904	9,861	0	9,861	0	0	0	2,833	0	2,833	2,860	
5	8,085	0	8,085	10,199	11,362	0	11,362	0	0	0	1,518	0	1,518	1,616	
6	4,663	0	4,663	15,669	14,980	0	14,980	0	0	0	1,016	0	1,016	600	
7	1,589	0	1,589	7,920	7,920	0	7,920	0	0	0	2,672	0	2,672	1,589	
8	2,726	0	2,726	7,918	7,272	0	7,272	0	0	0	2,218	0	2,218	1,998	
9	3,402	0	3,402	7,902	8,225	0	8,225	0	0	0	2,113	0	2,113	1,871	
10	2,212	0	2,212	10,895	10,572	0	10,572	0	0	0	1,982	0	1,982	1,827	
11	1,708	0	1,708	10,862	10,883	0	10,883	0	0	0	1,860	0	1,860	2,009	
12	1,704	0	1,704	16,799	16,411	0	16,411	0	0	0	2,256	0	2,256	2,203	
13	1,699	0	1,699	15,520	15,391	0	15,391	0	0	0	1,642	0	1,642	2,000	
14	1,594	0	1,594	14,737	15,578	0	15,578	0	0	0	2,535	0	2,535	2,062	
15	1,475	0	1,475	14,304	15,151	0	15,151	0	0	14	2,484	0	2,484	1,766	
16	1,473	0	1,473	13,229	13,209	0	13,209	0	0	20	2,679	0	2,679	1,586	
17	1,475	0	1,475	12,376	13,152	0	13,152	0	0	20	3,894	0	3,894	1,475	
18	1,472	0	1,472	12,896	12,855	0	12,855	0	0	20	6,640	0	6,640	1,472	
19	1,472	0	1,472	13,050	13,018	0	13,018	0	0	10	6,444	0	6,444	1,472	
20	1,477	0	1,477	13,245	13,140	0	13,140	0	0	62	7,475	0	7,475	1,801	
21	1,477	0	1,477	13,240	13,033	0	13,033	0	0	56	9,045	0	9,045	2,229	
22	1,480	0	1,480	13,248	12,994	0	12,994	0	0	147	10,184	0	10,184	2,724	
23	2,838	0	2,838	13,239	12,950	0	12,950	0	0	117	7,579	0	7,579	3,133	
24	3,850	0	3,850	13,234	12,686	0	12,686	0	0	117	13,630	0	13,630	3,023	
25	3,872	0	3,872	13,228	13,387	0	13,387	0	0	100	17,095	0	17,095	2,685	
26	3,817	0	3,817	13,060	11,853	0	11,853	0	0	108	9,878	0	9,878	2,598	
27	3,844	0	3,844	11,502	11,335	0	11,335	0	0	124	5,595	0	5,595	2,909	
28	4,717	0	4,717	10,708	10,853	0	10,853	0	0	114	6,248	0	6,248	3,159	
29	5,338	0	5,338	9,503	9,540	0	9,540	0	0	135	6,186	0	6,186	3,242	
30	6,536	0	6,536	7,533	7,451	0	7,451	0	0	125	6,921	0	6,921	3,767	
31	6,864	0	6,864	7,135	7,164	0	7,164	0	0	100	4,245	0	4,245	3,223	
<b>TOTALS</b>	<b>115,793</b>	<b>0</b>	<b>115,793</b>	<b>361,559</b>	<b>360,751</b>	<b>0</b>	<b>360,751</b>	<b>0</b>	<b>0</b>	<b>1,389</b>	<b>151,642</b>	<b>0</b>	<b>151,642</b>	<b>73,554</b>	

COMMENTS: ALL VALUES IN ACRE-FEET

**Central Valley Project - California  
 2001**

Monthly Diversions in AF

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>Bold numbers are preliminary</b>													
<b>CANALS</b>													
Contra Costa	1208	4316	10100										15624
Delta-Mendota	168298	195460	115795										479553
Actual Fed Dos Amigos	88310	78133	NA										166443
Madera	436	0	0										436
Friant-Kern	12498	10830	17663										40991
Corning	32	0	296										328
Folsom-South	2247	1327	1521										5095
Sly Park - Camino Conduit	776	926	964										2666
Tehama-Colusa	964	182	4130										5276
<b>CACHUMA PROJECT</b>													
Tecolote Tunnel	1872	1132	1544										4548
<b>KLAMATH PROJECT</b>													
"A" Canal - Upper Klamath	0	0	0										0
Klamath Drainage District	18468	1466	0										19934
Clear Lake Reservoir	0	0	0										0
Gerber Reservoir	0	0	0										0
Klamath River to Lost River	0	0	0										0
<b>ORLAND PROJECT</b>													
Stony Creek	0	0	477										477
South Canal	0	0	298										298
North Canal	0	0	179										179
<b>SOLANO PROJECT</b>													
Putah South Canal	3354	2733	6167										12254

NA = Not Available at time of printing report



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
Arvin-Edison WSD	4734	0	329										5063
Atwell Island WD	0	0	0										0
Delano-Earlimart ID	676	921	2792										4389
Exeter ID	120	39	110										269
City of Fresno	0	0	0										0
County of Fresno SA #34	3	1	19										23
Fresno ID	12	2	0										14
Garfield WD	19	0	80										99
Hills Valley ID	1	18	12										31
International WD	0	14	5										19
Ivanhoe ID	186	0	0										186
Kaweah Delta WCD	0	0	0										0
Kern County Water Agency	0	0	0										0
Kern-Tulare WD	65	82	845										992
Lewis Creek WD	0	0	0										0
Lindmore ID	0	0	630										630
City of Lindsay	0	0	0										0
Lindsay-Strathmore ID	258	131	393										782
Lower Tule River ID	827	37	0										864
North-Kern WSD	0	0	0										0
City of Orange Cove	68	59	81										208
Orange Cove ID	238	0	184										422
Pixley ID	0	0	0										0
Porterville ID	0	0	0										0
Rag Gulch WD	4	20	311										335
Rosedale Rio Bravo WSD	0	0	0										0
Saucelito ID	367	87	1356										1810
Semitropic WSD	0	0	0										0
Shafter Wasco ID	1297	3072	2459										6828
Southern San Joaquin MUD	1287	1766	4749										7802
Smallwood Vineyards	0	0	0										0
Stone Corral ID	64	0	84										148
Strathmore PUD	25	21	28										74
Styro Tek, Inc.	0	0	1										1
Tea Pot Dome WD	74	0	0										74
Terra Bella ID	146	21	255										422
Tri-Valley WD	0	0	0										0
Tulare ID	1271	1216	0										2487
<b>Total</b>	<b>11742</b>	<b>7507</b>	<b>14723</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33,972</b>

\* Data supplied by Fresno Field Division, Contracts Administration Division

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

**Madera Canal and Millerton Lake**

Monthly Deliveries in AF

**2001**

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>MADERA CANAL</b>													
Chowchilla WD	0	0	0										0
Madera ID	0	0	0										0
Soquel	0	0	0										0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MILLERTON LAKE</b>													
County of Madera	2	1	2										5
Fresno County # 18	5	4	6										15
Gravelly Ford WD	0	0	0										0
Total	7	5	8	0	0	0	0	0	0	0	0	0	20

\* Data supplied by Fresno Field Division, Contracts Administration Division



**Delta-Mendota Canal  
 2001**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	0										0
Broadview WD	2061	1552	532										4145
Central California ID (Abv CK 13)	4	0	542										546
Central California ID (Blw CK 13)	0	916	1447										2363
Centinella WD	0	0	0										0
China Island (76.05)	0	0	0										0
Del Puerto WD	560	421	2364										3345
Eagle Field WD	0	189	0										189
Firebaugh Canal	990	1537	516										3043
Frietas Unit (76.05L)	0	0	516										516
Mercy Springs WD	31	116	0										147
Oro Loma WD	0	103	0										103
Panoche WD - Ag	157	360	185										702
" " - M&I	2	2	2										6
Patterson WD	0	541	0										541
Plainview WD	7	69	113										189
Salt Slough Unit (76.05L)	0	9	688										697
San Luis WD - Ag	263	1124	261										1648
" " - M&I	1	1	7										9
Tracy, City of	167	0	157										324
West Side ID	0	0	0										0
Wildren	0	0	0										0
W. Stanislaus ID	814	679	1241										2734
F&G - Los Banos Ref. 76.05L	0	540	717										1257
Volta Wildlife Mgmt Area	35	0	0										35
Grasslands -76.05L	0	0	54										54
Grasslands - Volta	34	0	0										34
F&S (Volta) Santa Fee Kest.	0	0	0										0
F&S - Kesterson 76.05L	0	0	782										782
Total DMC Deliveries	5126	8159	10124	0	0	0	0	0	0	0	0	0	23409
Oneill Pumped	132231	107583	42239										282053
DMC plus Oneill	137357	115742	52363	0	0	0	0	0	0	0	0	0	305462

\* Data supplied by San Luis Delta-Mendota Water Authority

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

**San Luis and Cross Valley Canals  
2000**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>SAN LUIS CANAL</b>													
City of Avenal	143	129	179										451
Broadview WD	0	0	1										1
City of Coalinga	242	203	216										661
City of Dos Palos	67	62	77										206
City of Huron	43	44	62										149
Pacheco WD	370	785	531										1686
Panoche WD	4162	5913	1703										11778
San Luis WD	318	4569	2759										7646
Westlands WD (Federal)	77806	65176	53013										195995
Phase I - Chargeable	44	0	0										44
Phase I - Non-chargeable	0	0	0										0
Fish & Game - Lateral 4	1	1	1										3
Total	83196	76882	58542	0	0	0	0	0	0	0	0	0	218620
<b>O'NEILL FOREBAY DELIVERIES</b>													
Oneill Forebay Wildlife	48	52	94										194
San Luis WD - Ag	28	332	362										722
" " - M&I	22	24	27										73
VA Cemetary	1	1	1										3
Total	99	409	484	0	0	0	0	0	0	0	0	0	992
<b>CROSS VALLEY CANAL</b>													
Arvin Edison WSD	0	0	0										0
Kern-Tulare	0	0	0										0
Pixley ID	0	0	0										0
Rag Gulch	0	0	0										0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>SAN FELIPE DIVISION</b>													
Santa Clara	11582	8663	8057										28302
San Benito	1053	249	536										1838
Total	12635	8912	8593	0	0	0	0	0	0	0	0	0	30140

\* 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.

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										2022
Cortina WD	6	0	12										18
Davis WD	0	0	28										28
Dunnigan WD	43	5	59										107
4-M Water District	0	0	32										32
Glenn Valley WD	0	0	0										0
Glide WD	16	0	1										17
Holthouse WD	0	0	0										0
Kanawha WD	0	6	291										297
Kirkwood WD	0	0	0										0
La Grande WD	0	0	4										4
Myers-Marsh MWC	0	0	0										0
Orland-Artois WD	226	17	193										436
Westside WD	54	0	499										553
<b>Total</b>	<b>799</b>	<b>221</b>	<b>2494</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3514</b>

Data supplied by Willows Field Division, Water and Lands Division

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

Table 28

Monthly Deliveries in AF

2001

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A&F Boeger & Thunder Farms	0	0	0										0
Anderson Cottonwood ID	0	0	0										0
Andreotti, Arthur, et al	0	0	0										0
Baber, Jack	0	0	0										0
Bartizon Farms (Odysseus)	0	0	0										0
Windswept Land & Livestock	0	0	0										0
Cannel, Fred	0	0	0										0
Carter, Jane	0	0	0										0
Colusa Prop. Inc	0	0	0										0
Colusa IC (King & Dommer)	0	0	0										0
Conaway Construction Group	0	0	0										0
Davis, Olive P.	0	0	0										0
Deseret Farms of Calif	0	0	0										0
Dommer, Elizabeth	0	0	0										0
Fargo & Haggerty	0	0	0										0
Forry, David G.	0	0	0										0
Furlan Area #1	0	0	0										0
Furlan Area #2	0	0	0										0
Glenn-Colusa ID	0	0	0										0
Griffin, J.	0	0	0										0
Henle, John R.	0	0	0										0
Hershey Land Co	0	0	0										0
Hiatt, Glenn	0	0	0										0
Hollins, Mariette	0	0	0										0
Howald Farms	0	0	0										0
Knaggs, Layton	0	0	0										0
Lockett, William P.	0	0	0										0
M&T Inc.	0	0	0										0
MCM Properties, Inc	0	0	0										0
Maxwell ID	0	0	0										0
Meridan Farms WC	0	0	0										0
Natomas Central MWC	0	0	0										0
O'Brien, Janice	0	0	0										0
Oji Bros. Farms Inc	0	0	0										0
Oji, Masonobu	0	0	0										0
Pelger Mutual WC	0	0	0										0
Pleasant-Grove-Verona	0	0	0										0
Premier Partners III	0	0	0										0
Princeton,-Codora	0	0	0										0
Provident Irrigatin	0	0	0										0
Reclamation Dist #108	0	0	0										0
Reclamation Dist #1004	0	0	0										0
Reynen, et al	0	0	0										0
River Garden Farms	0	0	0										0
Roberts Ditch Irrigation Co	0	0	0										0
Sartain Mutual WC	0	0	0										0
Siddiqui, J & A	0	0	0										0
Spence, Ruth	0	0	0										0
Sutter Mutual	0	0	0										0
Swinford Tract Irrigation Co	0	0	0										0
Tarke, James	0	0	0										0
Tisdale Irrigation & Drain	0	0	0										0
Wallace Construction	0	0	0										0
Wells, Joyce	0	0	0										0
Wilson Ranch	0	0	0										0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

**SACRAMENTO-SAN JOAQUIN VALLEY - STREAMFLOW DATA**

Mean Monthly Flow in cfs

**2001**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>SACRAMENTO RIVER</b>												
Shasta Computed Inflow	5500	10062	10492									
At Keswick	3997	3328	4468									
At Bend Bridge	6912	8223	9597									
At Vina Bridge	7839	10583	12086									
At Ord Ferry	9005	13283	15632									
At Colusa	8068	11914	14020									
Below Wilkins Slough	9068	12195	14024									
At Verona	15056	18700	22301									
Sacramento at "I" Street	17104	19816	24037									
<b>MISCELLANEOUS STATIONS</b>												
Folsom Computed Inflow	1467	2126	2896									
American River at Nimbus Dam	2064	1508	1499									
Kings River at Pine Flat	103	104	353									
<b>SAN JOAQUIN RIVER</b>												
At Friant Dam	136	97	89									
Near Vernalis	2414	3281	3694									
<b>PUTAH CREEK</b>												
Berryessa Computed Inflow	315	1399	819									
Putah Creek - Lake Solano	25	53	63									
<b>STANISLAUS RIVER</b>												
New Melones Computed Inflow	471	629	913									
At Tulloch Dam	326	295	604									
At Orange Blossom	507	498	498									

\* 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	Actual
	Feb 01	Jul 00 - Feb 01	Season	Season	of Jul-Jun	WY 01
				Total	Season	Total
				Jul 00 -Jun 01	TOTAL	Oct 00 - Feb 01
Alturas	0.59	4.49	8.95	12.50	36	3.93
Auberry	1.99	17.07	21.44	24.72	69	16.25
Auburn	2.86	19.20	29.32	33.66	57	18.50
Bakersfield	0.73	4.92	5.11	6.12	80	4.92
Blue Canyon	4.37	35.04	54.77	63.49	55	33.37
Cachuma	13.44	30.28	18.05	19.94	152	30.28
Calaveras Big Trees	3.86	31.71	47.05	54.49	58	29.75
Callahan	2.73	11.09	18.18	21.30	52	9.77
Colfax	2.92	26.57	40.75	46.86	57	26.45
Crane Valley	2.48	20.07	34.93	40.36	50	19.41
East Park	3.53	17.13	15.96	17.92	96	16.76
Folsom	1.94	15.98	21.16	24.15	66	15.60
Ft. Jones	0.97	6.34	18.77	21.57	29	5.85
Fresno	0.96	8.68	8.62	10.24	85	8.36
Friant Dam	1.31	11.62	12.32	14.12	82	11.11
Hetch Hetchy	2.97	20.27	29.91	35.67	57	20.10
Huntington Lake	3.69	25.67	36.37	42.65	60	25.10
Georgetown	3.31	27.62	46.75	53.76	51	26.62
Lake Spaulding	4.69	31.79	58.56	68.66	46	30.11
Markley Cove (Berryessa)	3.05	24.17	23.42	25.53	95	24.05
McCloud	4.45	28.28	42.14	49.51	57	26.13
Mt. Shasta	4.08	25.77	27.10	32.52	79	23.19
New Melones	4.57	22.61	21.66	24.17	94	21.04
Pacific House	2.99	25.91	43.16	50.47	51	24.47
Placerville	2.27	22.08	33.06	38.35	58	20.89
Sacramento	2.15	15.47	16.13	18.33	84	15.30
Salt Springs	3.75	24.93	38.69	45.54	55	23.07
San Luis	1.40	8.65	8.81	9.81	88	8.62
Shasta Dam	4.59	41.22	52.55	60.44	68	37.59
Soda Springs	3.51	33.08	49.80	58.20	57	31.11
Sly Park	3.23	29.35	41.88	48.91	60	26.71
Stony Gorge	3.28	17.55	16.16	18.59	94	17.23
Susanville Airport	1.59	7.45	15.42	18.10	41	7.03
Tiger Creek	3.49	28.36	39.87	46.24	61	26.34
Trinity River Hatchery	4.26	19.44	30.10	34.10	57	19.25
Twin Lakes	3.36	18.79	40.12	47.57	39	18.43
Weaverville Ranger St.	2.97	20.22	33.93	38.21	53	19.75
Whiskeytown Dam	5.03	40.99	53.19	60.59	68	38.06
Yosemite Valley Hdqts.	2.84	21.32	3.16	36.65	58	20.73
Klamath Experiment St.	NR	3.36	10.49	13.02	26	2.83

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

Table 16

March 2001

Estimated numbers are in bold italic print

Date	DELTA INFLOW									NDCU	DELTA EXPORTS								OUTFLOW INDEX			Export/Inflow		
	Sacto R @ Freepont -prev day-	SRTP -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 (%)			
03/01/01	36,176	238	704	723	4,691	4,611	4,328	42,532	(2,701)	4,994	4,149	0	0	22	9,164	8,446	36,069	37,293	36,069	21.5%	19.7%	26.5%		
03/02/01	31,856	236	669	665	4,328	4,637	4,108	37,754	772	4,847	4,159	0	0	26	9,033	8,751	27,950	36,808	32,010	23.9%	21.2%	26.8%		
03/03/01	28,508	234	654	689	3,888	4,535	3,957	33,973	(1,510)	4,529	4,163	0	0	23	8,715	8,947	26,768	35,649	30,262	25.6%	23.5%	26.8%		
03/04/01	25,892	232	635	765	3,656	4,355	3,854	31,180	(2,423)	4,993	4,133	0	0	23	9,149	8,942	24,455	33,705	28,811	29.3%	26.1%	26.2%		
03/05/01	24,076	231	2,112	831	3,542	4,128	3,829	30,792	(4,884)	5,142	4,076	6	0	27	9,251	9,012	26,424	31,835	28,333	29.9%	28.2%	25.8%		
03/06/01	27,360	229	2,544	1,382	3,731	4,078	3,976	35,246	(8,307)	7,900	2,351	3	0	26	10,279	9,531	33,274	30,727	29,157	29.1%	29.4%	26.4%		
03/07/01	35,448	227	1,034	1,306	4,710	4,210	4,210	42,725	(8,307)	3,993	801	0	0	19	4,813	8,088	46,219	31,594	31,594	11.2%	22.3%	21.6%		
03/08/01	41,476	225	757	1,013	5,618	4,379	4,372	49,089	(5,746)	3,992	1,374	71	0	27	5,464	6,804	49,372	33,495	33,816	10.9%	16.1%	17.4%		
03/09/01	45,164	225	638	893	5,506	4,635	4,518	52,426	(4,834)	3,984	1,715	55	0	23	5,777	5,286	51,482	36,856	35,779	10.9%	11.0%	13.1%		
03/10/01	46,216	225	576	849	5,679	4,916	4,629	53,545	(2,323)	5,493	1,115	88	0	24	6,720	5,891	49,148	40,053	37,116	12.3%	11.4%	14.2%		
03/11/01	41,516	225	527	836	5,629	5,137	4,670	48,733	1,150	5,476	861	115	0	29	6,481	6,215	41,102	42,432	37,479	13.0%	12.1%	14.8%		
03/12/01	35,454	225	492	781	5,083	5,249	4,658	42,035	1,150	8,469	859	120	0	22	9,471	7,425	31,414	43,144	36,973	22.2%	15.4%	17.7%		
03/13/01	31,416	225	463	741	4,520	5,169	4,618	37,365	1,200	7,825	857	116	0	27	8,824	8,116	27,341	42,297	36,232	23.2%	19.0%	19.6%		
03/14/01	28,888	225	440	717	4,145	4,915	4,563	34,415	1,250	7,430	804	115	0	28	8,376	8,748	24,789	39,235	35,415	23.9%	23.1%	21.4%		
03/15/01	26,408	225	525	692	3,840	4,631	4,493	31,690	1,250	7,211	744	111	7	26	8,086	8,290	22,354	35,376	34,544	25.1%	24.0%	20.7%		
03/16/01	24,176	225	582	674	3,523	4,297	4,421	29,180	1,300	6,670	743	116	10	28	7,546	7,867	20,334	30,926	33,656	25.4%	24.8%	19.9%		
03/17/01	22,104	225	578	558	3,338	3,953	4,350	26,803	1,350	6,239	744	116	10	26	7,115	7,450	18,338	26,525	32,755	26.0%	25.5%	19.1%		
03/18/01	20,421	225	573	542	3,221	3,670	4,281	24,982	1,350	6,502	742	118	10	23	7,375	7,213	16,257	22,975	31,838	29.0%	26.7%	18.7%		
03/19/01	19,200	225	571	558	3,103	3,458	4,216	23,657	1,400	6,579	742	200	5	2	7,519	7,183	14,738	20,593	30,938	30.9%	28.5%	18.9%		
03/20/01	18,020	225	567	596	3,035	3,291	4,154	22,443	1,400	6,678	745	302	31	0	7,693	7,329	13,350	18,594	30,059	32.9%	30.9%	19.7%		
03/21/01	17,344	225	563	640	2,976	3,162	4,096	21,748	1,450	6,675	745	297	28	4	7,692	7,388	12,606	16,854	29,228	34.0%	32.6%	20.7%		
03/22/01	17,036	225	579	710	2,941	3,064	4,038	21,491	1,500	6,679	746	309	74	8	7,668	7,422	12,323	15,421	28,459	34.2%	33.7%	22.0%		
03/23/01	16,928	225	570	729	2,834	2,987	3,985	21,286	1,500	6,675	1,431	306	59	0	8,352	7,650	11,434	14,149	27,719	37.8%	35.3%	24.2%		
03/24/01	16,820	225	563	744	2,799	2,916	3,932	21,151	1,550	6,672	1,941	309	59	5	8,867	8,048	10,734	13,063	27,011	40.4%	37.5%	27.5%		
03/25/01	16,276	225	556	753	2,725	2,867	3,885	20,535	1,322	6,669	1,952	305	50	12	8,887	8,447	10,326	12,216	26,344	41.7%	40.0%	31.0%		
03/26/01	16,336	225	558	858	2,757	2,792	3,832	20,734	915	6,584	1,924	306	54	0	8,760	8,581	11,059	11,690	25,756	40.8%	41.0%	33.4%		
03/27/01	16,008	225	555	936	2,512	2,675	3,770	20,236	915	5,799	1,938	305	63	0	7,979	8,289	11,342	11,403	25,222	37.9%	40.2%	33.9%		
03/28/01	15,924	225	548	816	2,160	2,561	3,712	19,673	965	5,399	2,378	319	57	11	8,049	8,007	10,659	11,125	24,702	39.2%	39.3%	34.2%		
03/29/01	16,064	225	544	768	2,137	2,462	3,658	19,738	965	4,791	2,691	341	68	15	7,771	7,665	11,002	10,937	24,230	37.6%	38.2%	33.9%		
03/30/01	15,564	225	542	770	2,142	2,368	3,607	19,243	1,194	3,798	3,295	341	63	14	7,385	7,451	10,665	10,827	23,778	36.5%	37.8%	34.1%		
03/31/01	14,990	225	542	749	2,145	2,281	3,559	18,651	1,700	3,597	3,461	300	50	18	7,325	7,211	9,626	10,668	23,321	37.6%	37.2%	33.9%		
<b>Total</b>	<b>789,065</b>	<b>7,027</b>	<b>21,761</b>	<b>24,284</b>	<b>112,914</b>	<b>118,390</b>	<b>128,279</b>	<b>955,051</b>	<b>(13,487)</b>	<b>182,283</b>	<b>58,378</b>	<b>5,090</b>	<b>700</b>	<b>533</b>	<b>245,585</b>	<b>241,691</b>	<b>722,953</b>	<b>808,465</b>	<b>948,608</b>	<b>874.0%</b>	<b>851.4%</b>	<b>743.9%</b>		
<b>Average</b>	<b>25,454</b>	<b>227</b>	<b>702</b>	<b>783</b>	<b>3,642</b>	<b>3,819</b>	<b>4,138</b>	<b>30,808</b>	<b>(435)</b>	<b>5,880</b>	<b>1,883</b>	<b>164</b>	<b>23</b>	<b>17</b>	<b>7,922</b>	<b>7,796</b>	<b>23,321</b>	<b>26,080</b>	<b>948,608</b>	<b>28.2%</b>	<b>27.5%</b>	<b>24.0%</b>		