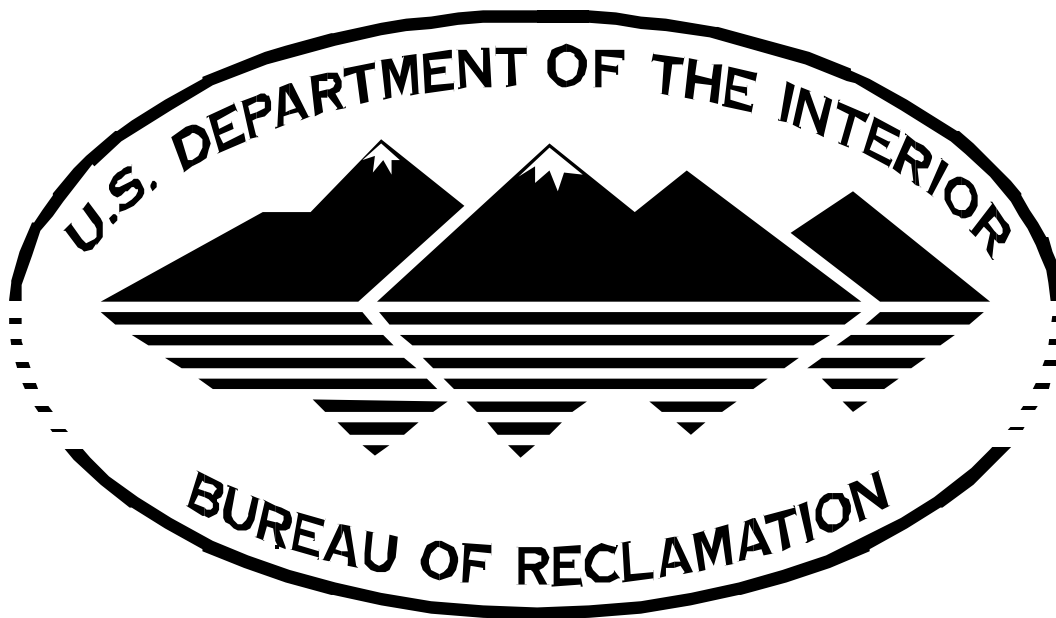


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION**

**CENTRAL VALLEY OPERATIONS OFFICE**

**REPORT OF OPERATIONS**



March 2004

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## SUMMARY OF MARCH 2004 OPERATIONS

Sacramento had an average monthly temperature of 62.5 °F which was 5.4 °F above normal. The average temperature at Shasta Dam was 59.7 °F which was 7.3 °F above normal and Huntington Lake was 4.4 °F above normal with an average temperature of 41.1 °F.

Trinity System: Storage in Trinity Lake increased 45,100 acre-feet this month to 2,151,700 acre-feet, which is 88 percent of capacity and 118 percent of the 15 year average for this date. The total inflow for the month was 263,500 acre-feet. The Trinity River release ranged between 300 to 2,000 ft<sup>3</sup>/s. Whiskeytown Lake was operated between elevations 1198.13 feet and 1198.98 feet with an end-of-month storage of 206,100 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 200 ft<sup>3</sup>/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 156,369 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 36,200 acre-feet for an end-of-month storage of 3,905,200 acre-feet, which is 86 percent of capacity and 110 percent of the 15 year average. The total inflow for the month was 785,468 acre-feet. The release to the Sacramento River at Keswick ranged between 4,500 and 50,000 ft<sup>3</sup>/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 89,200 acre-feet and had an end-of-month storage of 706,600 acre-feet, which is 72 percent of capacity and 120 percent of the 15 year average for this date. The total inflow for the month was 311,640 acre-feet. The release to the American River at Nimbus ranged between 3,000 and 4,000 ft<sup>3</sup>/s during the month.

New Melones: Storage in New Melones increased 54,600 acre-feet for an end-of-month storage of 1,496,400 acre-feet or 62 percent of capacity and 110 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 175 to 200 ft<sup>3</sup>/s for the month. The total inflow for the month was 104,638 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on March 31, 2004, was 953,000 acre-feet compared to the storage a year ago of 969,000 acre-feet.

Friant: Storage in Millerton Lake increased 73,996 acre-feet to 440,300 acre-feet. The total monthly inflow was 141,910 acre-feet. The release to the San Joaquin River at Friant varied between 111 and 181 ft<sup>3</sup>/s.

CVP Totals: The total diversions to CVP canals were 322,937 acre-feet. The March 31, 2004, storage in the 18 CVP reservoirs was 9,213,000 acre-feet compared to storage 1 year ago of 9,154,000 acre-feet.

Power: Gross power production for the CVP totaled 531,229 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	03/31/04	03/31/03	WATERSHED	RESERVOIR	TOTAL CAPACITY	03/31/04	03/31/03
KLAMATH	CLEAR LAKE *	526,800	NA	126,900	AMERICAN	FOLSOM LAKE *CVP	1,010,300	706,550	619,750
	GERBER *	94,300	NA	33,080		LAKE NATOMA *CVP	9,030	7,860	7,900
	UPR KLAMATH LK *	873,300	NA	476,740	COSUMNES				
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	2,151,700	2,036,180	MOKELUMNE	CAMANCHE	431,500	350,780	303,830
	LEWISTON LAKE*CVP	14,660	13,640	14,070		PARDEE	210,000	184,250	178,550
	WHISKEYTOWN *CVP	241,100	206,090	206,890	SALT SPRINGS	140,000	24,430	21,320	
MCCLOUD	MCCLOUD DIV. RES	35,230	32,350	27,890	CALAVERAS	NEW HOGAN	317,100	146,530	144,960
PIT	IRON CANYON	24,240	4,100	5,380		NEW MELONES*CVP	2,420,000	1,496,370	1,425,150
	LAKE BRITTON	40,620	39,000	38,930		BEARDSLEY	97,800	56,350	27,910
	PIT NO. 6	15,890	13,560	12,800	STANISLAUS	DONNELLS	64,320	11,670	9,140
SACRAMENTO	PIT NO. 7	34,610	31,630	33,260	TULLOCH		67,000	58,080	57,070
	SHASTA LAKE *CVP	4,552,000	3,905,180	4,103,710	LAKE ELEANOR	26,100	19,870	7,740	
	SPRING CREEK *CVP	5,900	1,100	1,860	LAKE LLOYD	268,000	229,230	187,740	
	KESWICK *CVP	23,800	20,880	22,250	TUOLUMNE	HETCH-HETCHY	360,400	230,320	240,600
FEATHER	RED BLUFF DIV *CVP	3,920	320	240	NEW DON PEDRO	2,030,000	1,681,300	1,432,120	
	OROVILLE	3,538,000	3,066,010	2,634,630	TURLOCK LAKE	49,000	32,730	28,560	
	THERMALITO DIV RES	13,500	12,790	12,930	MERCED	EXCHEQUER	1,024,600	534,170	386,810
	THERMALITO FORE.	14,400	10,940	0	CHOWCHILLA	BUCHANAN	150,000	32,450	24,380
STONY CREEK	THERMALITO AFTER.	57,000	49,070	36,360	CRANE VALLEY	45,400	30,460	32,360	
	LAKE ALMANOR	1,143,000	838,140	842,000	LAKE T.A. EDISON	125,000	56,240	48,310	
	EAST PARK *	50,900	48,550	48,460	FLORENCE LAKE	64,600	1,430	1,390	
PUTAH CREEK	STONY GORGE *	50,000	49,330	48,400	SAN JOAQUIN	MAMMOTH POOL	122,700	51,910	37,230
	BLACK BUTTE *CVP	143,700	114,190	116,670		HUNTINGTON LAKE	89,800	48,710	40,310
	LAKE BERRYESSA *	1,602,300	1,600,740	1,604,400		REDINGER LAKE	35,000	12,810	23,910
YUBA	LAKE SOLANO *	720	670	650	SHAVER LAKE	135,400	89,140	87,640	
	BULLARDS BAR	930,000	NR	780,740	MILLERTON LK *CVP	520,500	440,260	464,710	
	SO. YUBA SYSTEM	146,000	NR	62,730	FRESNO	HIDDEN	90,000	24,920	24,930
BEAR	NARROWS	70,000	63,350	64,110	SAN LUIS **CVP	2,040,600	2,020,090	1,953,850	
	ROLLINS	65,990	65,990	66,000	O'NEILL FORE.**CVP	56,400	45,940	38,870	
LITTLE TRUCKEE	STAMPEDE *	226,620	136,000	125,200	SAN LUIS	L BANOS RES**CVP	34,560	20,540	20,520
	BOCA *	41,140	16,400	19,300		LT PANOCHE **CVP	5,580	830	NR
PROSSER	PROSSER CREEK *	29,840	9,300	11,500	OIL CANYON	CONTRA LOMA *CVP	2,100	1,620	2,130
TRUCKEE	LAKE TAHOE *	732,000	108,100	97,100	KINGS	WISHON	128,300	39,790	37,680
	RYE PATCH *	190,000	27,900	25,100	PINE FLAT	1,001,500	433,760	441,280	
HUMBOLDT					KAWEAH	TERMINUS	143,000	72,130	51,720
CARSON	LAHONTAN *	317,280	214,800	199,800	TULE	SUCCESS	82,300	34,150	36,970
	TWIN LAKES	21,600	10,180	14,030	KERN	ISABELLA	588,100	191,945	173,980
	FRENCH MEADOWS	136,400	67,580	83,500	CUYAMA	TWITCHHELL *	240,100	NR	NR
AMERICAN	HELL HOLE	207,590	152,500	147,860	SANTA YNEZ	LAKE CACHUMA *	190,500	103,450	125,170
	LOON LAKE	76,500	45,630	27,890	COYOTE	LAKE CASITAS *	254,000	180,320	196,920
	ICE HOUSE	46,000	26,300	24,040	<b>TOTAL - 85 RESERVOIRS</b>		<b>33,749,040</b>	<b>23,057,105</b>	<b>23,379,940</b>
	UNION VALLEY	277,300	186,120	188,260	<b>TOTAL - 36 RESERVOIRS</b>		<b>18,951,650</b>	<b>13,648,720</b>	<b>14,173,470</b>
	SLAB CREEK	16,600	13,590	14,690	<b>TOTAL - 18 RESERVOIRS</b>		<b>13,531,850</b>	<b>11,153,160</b>	<b>11,034,750</b>

\*\* - 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 2004

SHASTA LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION C.F.S.	PRECIP INCHES	
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	RIVER SPILL	OUTLET			
		3,868.6								
1	1,040.97	3,818.3	-50.4	23,241	14,325	0	34,200	117	1.40	
2	1,038.78	3,760.3	-58.0	20,082	14,438	0	34,852	15	.49	
3	1,036.43	3,698.6	-61.7	18,229	14,513	0	34,743	61	.08	
4	1,034.73	3,654.5	-44.2	16,581	14,503	0	24,303	46	.06	
5	1,033.54	3,623.8	-30.7	15,629	14,602	0	16,414	91	.12	
6	1,032.43	3,595.3	-28.5	13,546	14,785	0	13,049	68	.09	
7	1,031.71	3,576.9	-18.4	12,768	14,745	0	7,197	97	.13	
8	1,031.19	3,563.7	-13.2	13,318	14,698	0	5,154	142	.19	
9	1,031.06	3,560.3	-3.3	13,437	14,645	0	319	142	.19	
10	1,031.13	3,562.1	+1.8	12,890	11,887	0	0	105	.14	
11	1,031.30	3,566.5	+4.3	13,075	10,690	0	0	202	.27	
12	1,031.66	3,575.6	+9.2	13,036	8,279	0	0	135	.18	
13	1,032.19	3,589.1	+13.5	12,236	5,285	0	0	135	.18	
14	1,032.76	3,603.7	+14.6	12,533	5,035	0	0	143	.19	
15	1,033.42	3,620.7	+16.9	12,960	4,281	0	0	136	.18	
16	1,034.03	3,636.4	+15.7	11,956	3,870	0	0	174	.23	
17	1,034.65	3,652.4	+16.0	11,831	3,592	0	0	160	.21	
18	1,035.22	3,667.2	+14.8	11,203	3,594	0	0	168	.22	
19	1,035.83	3,683.0	+15.8	11,493	3,352	0	0	153	.20	
20	1,036.39	3,697.6	+14.6	10,368	2,864	0	0	146	.19	
21	1,036.99	3,713.3	+15.7	10,989	2,916	0	0	177	.23	
22	1,037.56	3,728.2	+14.9	9,953	2,263	0	0	154	.20	
23	1,038.25	3,746.3	+18.1	9,768	497	0	0	131	.17	
24	1,038.98	3,765.6	+19.2	10,788	948	0	0	140	.18	
25	1,039.86	3,788.9	+23.3	12,218	451	0	0	16	.02	
26	1,040.63	3,809.3	+20.4	10,364	25	0	0	62	.08	
27	1,041.43	3,830.5	+21.2	10,769	25	0	0	39	.05	
28	1,042.16	3,849.9	+19.4	9,913	25	0	0	87	.11	
29	1,042.87	3,868.9	+19.0	10,313	604	0	0	142	.18	
30	1,043.55	3,887.2	+18.2	9,962	628	0	0	135	.17	
31	1,044.22	3,905.2	+18.0	10,552	1,434	0	0	32	.04	
<b>TOTALS</b>			<b>+36.2</b>	<b>396,001</b>	<b>203,799</b>	<b>0</b>	<b>170,231</b>	<b>3,551</b>	<b>4.65</b>	<b>4.24</b>
<b>ACRE-FEET</b>			<b>+36,200</b>	<b>785,468</b>	<b>404,235</b>	<b>0</b>	<b>337,653</b>	<b>7,043</b>		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	404,235	OUTLET	337,653	THIS MONTH =	4.24
SPILL	0	TOTAL	741,888	JULY 1, 2003 TO DATE =	63.57

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

Table 4

MARCH 2004

TRINITY LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		EVAPORATION		PRECIP INCHES (1)
		1000 ACRE-FEET IN LAKE	CHANGE			SPILL	OUTLET	C.F.S.	INCHES (1)	
		2,106.5								
1	2,348.44	2,110.5	+4.0	3,886	1,837	0	0	13	.03	.81
2	2,348.61	2,113.0	+2.5	3,117	1,826	0	0	9	.02	.11
3	2,348.70	2,114.4	+1.3	2,861	2,147	0	0	35	.08	.00
4	2,348.44	2,110.5	-3.9	3,081	4,069	0	951	22	.05	.00
5	2,348.05	2,104.7	-5.8	2,136	4,101	0	941	35	.08	.00
6	2,347.70	2,099.5	-5.2	2,575	4,113	0	1,067	26	.06	.00
7	2,347.40	2,095.0	-4.5	2,565	4,088	0	695	35	.08	.00
8	2,347.12	2,090.8	-4.2	3,463	4,090	0	1,437	39	.09	.00
9	2,346.93	2,088.0	-2.8	3,780	4,132	0	1,029	44	.10	.00
10	2,346.90	2,087.5	-0.4	5,045	4,114	0	1,116	39	.09	.00
11	2,346.75	2,085.3	-2.2	4,232	4,119	0	1,169	66	.15	.00
12	2,346.72	2,084.9	-0.4	4,514	4,117	0	573	48	.11	.00
13	2,346.76	2,085.5	+0.6	4,863	4,117	0	403	44	.10	.00
14	2,346.83	2,086.5	+1.0	5,039	4,105	0	359	52	.12	.00
15	2,347.17	2,091.6	+5.1	5,229	2,632	0	0	48	.11	.00
16	2,347.60	2,098.0	+6.4	5,433	2,146	0	0	57	.13	.00
17	2,348.04	2,104.5	+6.6	5,500	2,141	0	0	53	.12	.00
18	2,348.49	2,111.3	+6.7	5,589	2,139	0	0	57	.13	.00
19	2,348.97	2,118.4	+7.2	5,800	2,114	0	0	66	.15	.00
20	2,349.35	2,124.1	+5.7	5,048	2,106	0	0	66	.15	.00
21	2,349.73	2,129.8	+5.7	5,061	2,109	0	0	75	.17	.00
22	2,350.17	2,136.5	+6.6	5,810	2,109	0	311	53	.12	.00
23	2,350.43	2,140.4	+3.9	5,687	2,113	0	1,536	62	.14	.00
24	2,350.59	2,142.8	+2.4	4,864	2,126	0	1,451	71	.16	.00
25	2,350.79	2,145.8	+3.0	4,890	2,131	0	1,195	44	.10	.12
26	2,350.85	2,146.7	+0.9	3,975	2,133	0	1,382	4	.01	.53
27	2,350.84	2,146.6	-0.2	3,495	2,135	0	1,427	9	.02	.17
28	2,350.80	2,146.0	-0.6	3,477	2,131	0	1,637	13	.03	.00
29	2,350.73	2,144.9	-1.1	3,405	2,128	0	1,738	71	.16	.00
30	2,350.94	2,148.1	+3.2	4,116	2,133	0	298	89	.20	.20
31	2,351.18	2,151.7	+3.6	4,279	2,078	0	314	58	.13	.00
<b>TOTALS</b>			<b>+45.1</b>	<b>132,815</b>	<b>87,579</b>	<b>0</b>	<b>21,029</b>	<b>1,403</b>	<b>3.19</b>	<b>1.94</b>
<b>ACRE-FEET</b>			<b>+45,100</b>	<b>263,439</b>	<b>173,713</b>	<b>0</b>	<b>41,711</b>	<b>2,783</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	173,713	OUTLET	41,711	THIS MONTH =	1.94
SPILL	0	TOTAL	215,424	JULY 1, 2003 TO DATE =	30.54

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

Table 5

MARCH 2004

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE 1000 ACRE-FEET IN LAKE	CHANGE	COMPUTED INFLOW C.F.S. *	FROM JUDGE FRANCIS CARR PP	CLEAR CR. NATURAL FLOW	RELEASE - C.F.S.			EVAP. C.F.S. INCHES	PRECIP INCHES	
							TO CLEAR CR (1) OUTLETS	SPILL	TO SPRING CR. PP			
		205.6										
1	1,198.56	205.9	+0.3	1,947	118	1,829	200	0	1,598	0	.00	1.51
2	1,198.36	205.3	-0.6	1,680	118	1,562	200	0	1,777	0	.00	.40
3	1,198.51	205.7	+0.4	1,516	123	1,393	200	0	1,094	0	.00	.00
4	1,198.57	205.9	+0.2	4,567	3,101	1,466	200	0	4,270	8	.09	.00
5	1,198.69	206.2	+0.4	4,632	3,285	1,347	200	0	4,249	5	.06	.00
6	1,198.68	206.2	+0.0	4,402	3,127	1,275	200	0	4,195	22	.25	.00
7	1,198.60	206.0	-0.2	4,277	3,100	1,177	200	0	4,186	9	.10	.00
8	1,198.66	206.2	+0.2	4,505	3,376	1,129	200	0	4,190	26	.30	.00
9	1,198.70	206.3	+0.1	4,490	3,329	1,161	200	0	4,224	7	.08	.00
10	1,198.76	206.4	+0.2	4,496	3,361	1,135	200	0	4,199	8	.09	.00
11	1,198.81	206.6	+0.1	4,426	3,323	1,103	200	0	4,139	13	.15	.00
12	1,198.52	205.7	-0.9	4,028	2,952	1,076	200	0	4,246	13	.15	.00
13	1,198.48	205.6	-0.1	4,358	3,370	988	200	0	4,204	13	.15	.00
14	1,198.47	205.6	+0.0	4,386	3,428	958	200	0	4,172	29	.33	.00
15	1,198.29	205.1	-0.5	2,951	2,040	911	200	0	3,019	0	.00	.00
16	1,198.13	204.6	-0.5	2,963	2,100	863	200	0	2,987	13	.15	.00
17	1,198.17	204.7	+0.1	2,448	1,684	764	200	0	2,176	13	.15	.00
18	1,198.52	205.7	+1.0	2,488	1,751	737	200	0	1,751	17	.20	.00
19	1,198.72	206.3	+0.6	2,451	1,769	682	200	0	1,941	13	.15	.00
20	1,198.60	206.0	-0.4	2,445	1,759	686	200	0	2,399	24	.28	.00
21	1,198.63	206.1	+0.1	2,160	1,585	575	200	0	1,905	11	.13	.00
22	1,198.64	206.1	+0.0	2,561	1,960	601	200	0	2,346	0	.00	.00
23	1,198.58	205.9	-0.2	4,100	3,382	718	200	0	3,983	6	.07	.00
24	1,198.74	206.4	+0.5	4,094	3,342	752	200	0	3,653	4	.05	.00
25	1,198.98	207.1	+0.7	4,333	3,351	982	200	0	3,777	0	.00	.24
26	1,198.77	206.5	-0.6	4,185	3,406	779	200	0	4,297	0	.00	1.61
27	1,198.56	205.9	-0.6	4,185	3,378	807	200	0	4,297	0	.00	.03
28	1,198.56	205.9	+0.0	4,056	3,385	671	200	0	3,854	2	.02	.00
29	1,198.57	205.9	+0.0	4,071	3,384	687	200	0	3,856	0	.00	.00
30	1,198.60	206.0	+0.1	3,062	2,410	652	200	0	2,817	0	.00	.09
31	1,198.64	206.1	+0.1	2,599	2,038	561	200	0	2,337	3	.04	.04
<b>TOTALS</b>			<b>+0.5</b>	<b>108,862</b>	<b>78,835</b>	<b>30,027</b>	<b>6,200</b>	<b>0</b>	<b>102,138</b>	<b>259</b>	<b>2.99</b>	<b>3.92</b>
<b>ACRE-FEET</b>			<b>+0.5</b>	<b>215,928</b>	<b>156,369</b>	<b>59,559</b>	<b>12,298</b>	<b>0</b>	<b>202,591</b>	<b>514</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	202,591	OUTLET	12,298	THIS MONTH	3.92
SPILL	0	TOTAL	214,889	JULY 1, 2003 TO DATE	55.17



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

Table 6

MARCH 2004

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

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
		14,240								
1	1,901.49	14,278	+38	2,138	80	90	1,830	118	1	.03
2	1,901.32	14,150	-128	2,053	80	90	1,830	118	0	.02
3	1,901.69	14,427	+277	2,265	80	90	1,830	123	2	.08
4	1,901.38	14,195	-232	4,985	80	90	1,830	3,101	1	.05
5	1,901.14	14,016	-179	5,197	80	90	1,830	3,285	2	.08
6	1,901.53	14,307	+291	5,275	44	90	1,866	3,127	1	.06
7	1,900.44	13,499	-808	4,695	0	90	1,910	3,100	2	.08
8	1,901.33	14,158	+659	5,710	0	90	1,910	3,376	2	.09
9	1,901.31	14,143	-15	5,323	46	90	1,864	3,329	2	.10
10	1,900.99	13,904	-239	5,243	80	90	1,830	3,361	2	.09
11	1,901.55	14,322	+418	5,512	80	90	1,805	3,323	3	.15
12	1,901.70	14,435	+113	4,728	80	90	1,547	2,952	2	.11
13	1,901.32	14,150	-285	4,528	80	90	1,130	3,370	2	.10
14	1,901.56	14,330	+180	4,427	80	90	735	3,428	3	.12
15	1,901.61	14,367	+37	2,582	80	90	351	2,040	2	.11
16	1,900.53	13,565	-802	2,017	80	70	168	2,100	3	.13
17	1,900.74	13,720	+155	2,065	80	70	150	1,684	3	.12
18	1,900.71	13,698	-22	2,043	80	70	150	1,751	3	.13
19	1,900.56	13,587	-111	2,016	80	70	150	1,769	3	.15
20	1,900.36	13,440	-147	1,988	80	70	150	1,759	3	.15
21	1,900.76	13,734	+294	2,037	80	70	150	1,585	4	.17
22	1,900.81	13,771	+37	2,282	80	70	150	1,960	3	.12
23	1,900.99	13,904	+133	3,752	80	70	150	3,382	3	.14
24	1,901.25	14,098	+194	3,744	80	65	155	3,342	4	.16
25	1,900.63	13,639	-459	3,422	80	60	160	3,351	2	.10
26	1,900.40	13,469	-170	3,622	80	60	160	3,406	2	.01
27	1,900.26	13,366	-103	3,626	80	30	190	3,378	0	.02
28	1,900.51	13,550	+184	3,779	80	30	190	3,385	1	.03
29	1,901.34	14,165	+615	3,998	80	30	190	3,384	4	.16
30	1,900.58	13,602	-563	2,430	80	30	190	2,410	4	.20
31	1,900.63	13,639	+37	2,360	80	30	190	2,038	3	.13
<b>TOTALS</b>			<b>-601</b>	<b>109,842</b>	<b>2,250</b>	<b>2,245</b>	<b>26,741</b>	<b>78,835</b>	<b>72</b>	<b>3.19</b>
<b>ACRE-FEET</b>			<b>-601</b>	<b>217,872</b>	<b>4,463</b>	<b>4,453</b>	<b>53,041</b>	<b>156,369</b>	<b>143</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	4,463	JUDGE FRANCIS CARR POWERPLANT	156,369
TOTAL RIVER	61,957	TOTAL RELEASE	218,326

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

Table 6

MARCH 2004

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

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
		14,240								
1	1,901.49	14,278	+38	2,138	80	90	1,830	118	1	.03
2	1,901.32	14,150	-128	2,053	80	90	1,830	118	0	.02
3	1,901.69	14,427	+277	2,265	80	90	1,830	123	2	.08
4	1,901.38	14,195	-232	4,985	80	90	1,830	3,101	1	.05
5	1,901.14	14,016	-179	5,197	80	90	1,830	3,285	2	.08
6	1,901.53	14,307	+291	5,275	44	90	1,866	3,127	1	.06
7	1,900.44	13,499	-808	4,695	0	90	1,910	3,100	2	.08
8	1,901.33	14,158	+659	5,710	0	90	1,910	3,376	2	.09
9	1,901.31	14,143	-15	5,323	46	90	1,864	3,329	2	.10
10	1,900.99	13,904	-239	5,243	80	90	1,830	3,361	2	.09
11	1,901.55	14,322	+418	5,512	80	90	1,805	3,323	3	.15
12	1,901.70	14,435	+113	4,728	80	90	1,547	2,952	2	.11
13	1,901.32	14,150	-285	4,528	80	90	1,130	3,370	2	.10
14	1,901.56	14,330	+180	4,427	80	90	735	3,428	3	.12
15	1,901.61	14,367	+37	2,582	80	90	351	2,040	2	.11
16	1,900.53	13,565	-802	2,017	80	70	168	2,100	3	.13
17	1,900.74	13,720	+155	2,065	80	70	150	1,684	3	.12
18	1,900.71	13,698	-22	2,043	80	70	150	1,751	3	.13
19	1,900.56	13,587	-111	2,016	80	70	150	1,769	3	.15
20	1,900.36	13,440	-147	1,988	80	70	150	1,759	3	.15
21	1,900.76	13,734	+294	2,037	80	70	150	1,585	4	.17
22	1,900.81	13,771	+37	2,282	80	70	150	1,960	3	.12
23	1,900.99	13,904	+133	3,752	80	70	150	3,382	3	.14
24	1,901.25	14,098	+194	3,744	80	65	155	3,342	4	.16
25	1,900.63	13,639	-459	3,422	80	60	160	3,351	2	.10
26	1,900.40	13,469	-170	3,622	80	60	160	3,406	2	.01
27	1,900.26	13,366	-103	3,626	80	30	190	3,378	0	.02
28	1,900.51	13,550	+184	3,779	80	30	190	3,385	1	.03
29	1,901.34	14,165	+615	3,998	80	30	190	3,384	4	.16
30	1,900.58	13,602	-563	2,430	80	30	190	2,410	4	.20
31	1,900.63	13,639	+37	2,360	80	30	190	2,038	3	.13
<b>TOTALS</b>			<b>-601</b>	<b>109,842</b>	<b>2,250</b>	<b>2,245</b>	<b>26,741</b>	<b>78,835</b>	<b>72</b>	<b>3.19</b>
<b>ACRE-FEET</b>			<b>-601</b>	<b>217,872</b>	<b>4,463</b>	<b>4,453</b>	<b>53,041</b>	<b>156,369</b>	<b>143</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	4,463	JUDGE FRANCIS CARR POWERPLANT	156,369
TOTAL RIVER	61,957	TOTAL RELEASE	218,326

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

**Table 8**

**MARCH 2004**

**KESWICK RESERVOIR DAILY OPERATIONS**

RUN DATE: April 21, 2004

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)
		20,416								
1	580.67	19,910	-506	48,335	1,598	48,525	10,587	38,000	0	3
2	581.52	20,405	+495	49,055	1,777	49,290	10,513	38,292	0	0
3	581.38	20,323	-82	48,244	1,094	49,256	10,434	37,850	0	1
4	581.90	20,627	+304	41,170	4,270	38,806	10,509	30,507	0	1
5	579.28	19,119	-1,508	33,285	4,249	31,016	10,787	23,256	0	2
6	582.05	20,716	+1,597	30,530	4,195	27,834	11,111	18,612	0	2
7	580.16	19,616	-1,100	24,492	4,186	21,942	11,405	13,640	0	2
8	583.41	21,532	+1,916	22,333	4,190	19,852	11,691	9,588	85	3
9	581.56	20,428	-1,104	17,316	4,224	14,964	11,981	5,804	85	3
10	578.26	18,554	-1,874	14,780	4,199	11,887	12,754	2,884	85	2
11	581.01	20,106	+1,552	14,607	4,139	10,690	13,683	52	85	5
12	583.12	21,356	+1,250	12,482	4,246	8,279	11,764	0	85	3
13	581.07	20,141	-1,215	9,494	4,204	5,285	10,019	0	85	3
14	582.75	21,134	+993	9,194	4,172	5,035	8,605	0	85	3
15	582.80	21,164	+30	7,423	3,019	4,281	7,320	0	85	3
16	584.93	22,464	+1,300	7,011	2,987	3,870	6,267	0	85	4
17	584.88	22,433	-31	5,988	2,176	3,592	5,915	0	85	4
18	584.35	22,106	-327	5,664	1,751	3,594	5,740	0	85	4
19	584.33	22,094	-12	5,575	1,941	3,352	5,492	0	85	4
20	584.80	22,384	+290	5,525	2,399	2,864	5,291	0	85	3
21	584.40	22,137	-247	5,065	1,905	2,916	5,101	0	85	4
22	584.18	22,001	-136	4,896	2,346	2,263	4,876	0	85	4
23	584.44	22,161	+160	4,901	3,983	497	4,732	0	85	3
24	585.46	22,796	+635	4,912	3,653	948	4,504	0	85	3
25	585.80	23,009	+213	4,625	3,777	451	4,433	0	85	0
26	586.00	23,135	+126	4,661	4,297	25	4,511	0	85	1
27	586.00	23,135	+0	4,748	4,297	25	4,662	0	85	1
28	585.12	22,582	-553	4,216	3,854	25	4,408	0	85	2
29	585.89	23,066	+484	4,679	3,856	604	4,347	0	85	3
30	583.82	21,781	-1,285	3,701	2,817	628	4,261	0	85	3
31	582.32	20,877	-904	4,044	2,337	1,434	4,414	0	85	1
<b>TOTALS</b>			<b>+461</b>	<b>462,951</b>	<b>102,138</b>	<b>374,030</b>	<b>242,117</b>	<b>218,485</b>	<b>2,040</b>	<b>80</b>
<b>ACRE-FEET</b>			<b>+461</b>	<b>918,263</b>	<b>202,591</b>	<b>741,889</b>	<b>480,239</b>	<b>433,365</b>	<b>4,046</b>	<b>159</b>

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

POWER	480,239
SPILL	433,365
FISH TRAP	4,046

MARCH 2004

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		2,665				
1	249.45	2,621	-44	0	0	63,845
2	252.28	3,814	+1,193	0	0	79,212
3	249.83	2,759	-1,055	0	0	61,365
4	249.35	2,585	-174	0	0	57,134
5	247.84	2,089	-496	0	0	52,668
6	245.54	1,473	-616	0	0	34,872
7	244.61	1,261	-212	0	0	29,327
8	243.47	1,027	-234	0	0	26,555
9	243.36	1,006	-21	0	0	26,629
10	243.49	1,031	+25	0	0	26,994
11	243.22	979	-52	0	0	24,026
12	242.56	860	-119	0	0	21,875
13	242.01	765	-95	0	32	13,643
14	241.48	682	-83	0	33	13,129
15	241.22	642	-40	0	35	11,984
16	240.89	593	-49	0	33	10,374
17	240.72	569	-24	0	64	9,738
18	239.56	417	-152	0	87	8,996
19	239.54	415	-2	0	164	9,173
20	239.33	390	-25	0	140	8,714
21	239.12	364	-26	0	130	8,621
22	239.12	364	+0	0	130	8,621
23	239.09	361	-3	19	178	8,506
24	238.90	340	-21	0	211	8,115
25	238.83	333	-7	0	210	7,914
26	238.87	337	+4	0	95	8,420
27	238.88	338	+1	54	78	8,121
28	238.79	329	-9	0	203	7,976
29	238.75	325	-4	0	120	7,634
30	238.70	319	-6	18	263	7,452
31	238.72	321	+2	0	285	8,567
<b>TOTALS</b>			<b>-2,344</b>	<b>91</b>	<b>2,491</b>	<b>680,200</b>
<b>ACRE-FEET</b>			<b>-2,344</b>	<b>180</b>	<b>4,941</b>	<b>1,349,177</b>

**SUMMARY**

RELEASE (ACRE-FEET)

CORNING CANAL	180
TEHAMA-COLUSA CANAL	4,941
TO SACTO RIVER	1,349,177
<b>TOTAL</b>	<b>1,354,298</b>

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

MARCH 2004

Date	Midnight	Storage (ac-ft)	Storage Change (ac-ft)	Mean Inflow (sfd)	----- Mean Outflow -----				Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)
	Elev (ft)				Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)					
1	453.31	62683	744	3478	3101	3101	0	0	3	0.02	0.8	93012	42100
2	454.06	64865	2182	3590	2473	2473	0	0	33	0.2	0	93000	42900
3	454.29	65545	680	2348	1994	1994	0	0	22	0.13	0	93773	45300
4	454.49	66139	594	1830	1520	1520	0	0	20	0.12	0	94414	47100
5	454.91	67400	1261	1721	1078	1078	0	0	15	0.09	0	94843	49700
6	455.34	68707	1307	1626	955	955	0	0	24	0.14	0	95172	52000
7	455.87	70339	1632	1568	727	727	0	0	36	0.21	0	95421	54000
8	456.6	72626	2287	1590	417	417	0	0	39	0.22	0	95854	56400
9	457.43	75281	2655	1583	219	219	0	0	51	0.28	0	96120	59100
10	458.21	77823	2542	1477	159	159	0	0	72	0.39	0	96460	61500
11	459.02	80510	2687	1501	125	125	0	0	43	0.23	0	96572	64200
12	459.78	83074	2564	1414	91	91	0	0	61	0.32	0	96575	66900
13	460.51	85576	2502	1375	92	92	0	0	43	0.22	0	96507	69200
14	461.21	88010	2434	1350	95	95	0	0	55	0.28	0	96402	71900
15	461.89	90404	2394	1341	95	95	0	0	77	0.39	0	96246	74600
16	462.53	92684	2280	1284	96	96	0	0	76	0.38	0	96066	77200
17	463.16	94954	2270	1264	96	96	0	0	47	0.23	0	95865	79800
18	463.77	97175	2221	1241	98	98	0	0	47	0.23	0	95609	82500
19	464.37	99385	2210	1206	68	68	0	0	48	0.23	0	95304	85100
20	464.88	101281	1896	1026	47	47	0	0	46	0.22	0	95630	87700
21	465.28	102780	1499	821	47	47	0	0	36	0.17	0	95918	90100
22	465.66	104215	1435	805	61	61	0	0	40	0.19	0	96175	93200
23	465.99	105469	1254	802	159	99	60	0	21	0.1	0	96408	96200
24	466.25	106463	994	698	179	99	80	0	36	0.17	0	96544	99200
25	466.6	107808	1345	837	154	101	53	0	9	0.04	0.34	96902	101500
26	466.93	109084	1276	779	124	101	23	0	24	0.11	0	97069	103300
27	467.26	110368	1284	762	96.4	96	0.4	0	37	0.17	0	97272	104500
28	467.57	111582	1214	734	96.3	96	0.3	0	51	0.23	0	96671	104400
29	467.81	112527	945	620	121.3	121	0.3	0	44	0.2	0	97708	107100
30	468.07	113555	1028	752	227	149	78	0	13	0.06	0.24	97876	109700
31	468.23	114191	636	666	315	158	157	0	60	0.27	0	97860	112600
Totals	(sfd)			42089	15126	14674	452	0					
Totals	(ac-ft)		52252	83484	30002.4	29105.9			1229				
Totals	(inches)									6.24	1.38		

[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 2004

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES	
		1000 ACRE-FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET	PUMPING PLANT	C.F.S.	INCHES		
		617.3										
1	431.05	623.1	+5.7	6,063	3,065	0	0	82	21	.07	.00	
2	431.60	628.0	+5.0	5,605	3,034	0	0	66	0	.00	.41	
3	431.96	631.3	+3.3	4,802	3,061	0	0	59	42	.14	.00	
4	432.34	634.7	+3.5	4,696	2,849	0	0	63	42	.14	.00	
5	432.57	636.8	+2.1	4,160	3,004	0	0	70	30	.10	.00	
6	432.74	638.4	+1.5	3,907	3,025	0	0	81	21	.07	.00	
7	432.91	639.9	+1.5	3,839	2,948	0	0	81	30	.10	.00	
8	433.14	642.0	+2.1	4,209	3,038	0	0	84	27	.09	.00	
9	433.59	646.2	+4.1	5,163	2,951	0	0	85	46	.15	.00	
10	434.02	650.1	+3.9	5,298	3,163	0	0	91	55	.18	.00	
11	434.51	654.6	+4.5	5,295	2,851	0	0	91	71	.23	.00	
12	434.92	658.4	+3.8	5,391	3,345	0	0	96	40	.13	.00	
13	435.23	661.3	+2.9	5,079	3,467	0	0	107	53	.17	.00	
14	435.51	663.9	+2.6	4,879	3,395	0	0	120	50	.16	.00	
15	435.85	667.1	+3.2	5,618	3,855	0	0	121	47	.15	.00	
16	436.38	672.0	+5.0	6,246	3,548	0	0	117	81	.26	.00	
17	436.83	676.3	+4.2	5,832	3,537	0	0	112	56	.18	.00	
18	437.24	680.1	+3.9	5,543	3,420	0	0	134	44	.14	.00	
19	437.66	684.1	+4.0	5,776	3,589	0	0	135	53	.17	.00	
20	438.08	688.0	+4.0	5,783	3,587	0	0	145	50	.16	.00	
21	438.37	690.8	+2.8	5,190	3,602	0	0	147	51	.16	.00	
22	438.91	695.9	+5.1	6,244	3,459	0	0	146	51	.16	.00	
23	439.28	699.5	+3.5	6,137	4,172	0	0	135	48	.15	.00	
24	439.65	703.0	+3.5	6,022	4,070	0	0	122	45	.14	.00	
25	439.91	705.5	+2.5	5,290	3,866	0	0	124	45	.14	.00	
26	440.06	706.9	+1.4	4,736	3,874	0	0	121	16	.05	.42	
27	440.08	707.1	+0.2	4,253	4,012	0	0	118	26	.08	.01	
28	439.97	706.1	-1.1	3,613	3,985	0	0	113	48	.15	.00	
29	439.99	706.3	+0.2	4,062	3,788	0	0	130	48	.15	.00	
30	439.98	706.2	-0.1	4,153	4,020	0	0	133	48	.15	.00	
31	440.02	706.6	+0.4	4,232	3,879	0	0	133	26	.08	.00	
<b>TOTALS</b>			<b>+89.2</b>	<b>157,116</b>	<b>107,459</b>	<b>0</b>	<b>0</b>	<b>3,362</b>	<b>1,311</b>	<b>4.20</b>	<b>.84</b>	
<b>ACRE-FEET</b>			<b>+89,200</b>	<b>311,640</b>	<b>213,145</b>	<b>0</b>	<b>0</b>	<b>6,669</b>	<b>2,600</b>			

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	213,145	OUTLET	0	THIS MONTH =	.84
SPILL	0	TOTAL	219,814	JULY 1, 2003 TO DATE =	19.19
PUMPING PLANT	6,669				

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

Table 12

MARCH 2004

LAKE NATOMA DAILY OPERATIONS

RUN DATE: April 21, 2004

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	
		7,998							
1	123.79	8,162	+164	3,150	30	2,976	0	60	1
2	124.02	8,271	+109	3,115	30	2,970	0	60	0
3	124.08	8,301	+30	3,077	30	2,970	0	60	2
4	123.58	8,064	-237	2,949	30	2,976	0	60	2
5	122.95	7,769	-295	3,023	30	3,081	0	60	1
6	123.18	7,876	+107	3,114	30	2,969	0	60	1
7	123.02	7,800	-76	3,049	30	2,996	0	60	1
8	123.21	7,890	+90	3,123	30	2,987	0	60	1
9	123.07	7,824	-66	3,060	30	3,001	0	60	2
10	123.68	8,111	+287	3,208	30	2,971	0	60	2
11	123.64	8,092	-19	3,073	30	2,990	0	60	3
12	123.55	8,050	-42	3,520	33	3,446	0	60	2
13	123.42	7,988	-62	3,546	35	3,480	0	60	2
14	123.13	7,852	-136	3,517	38	3,486	0	60	2
15	124.11	8,316	+464	3,837	40	2,871	630	60	2
16	123.99	8,256	-60	3,526	40	2,424	1,029	60	3
17	124.04	8,281	+25	3,573	40	2,420	1,038	60	2
18	123.62	8,082	-199	3,505	40	2,451	1,052	60	2
19	123.83	8,181	+99	3,653	35	2,448	1,058	60	2
20	123.91	8,219	+38	3,631	30	2,453	1,067	60	2
21	123.97	8,247	+28	3,642	30	2,464	1,072	60	2
22	122.82	7,710	-537	3,572	30	2,466	1,285	60	2
23	123.23	7,899	+189	4,159	30	2,314	1,658	60	2
24	123.45	8,003	+104	4,110	30	2,468	1,498	60	2
25	123.08	7,829	-174	3,957	30	2,353	1,600	60	2
26	122.70	7,656	-173	3,954	30	2,464	1,486	60	1
27	122.79	7,697	+41	4,048	30	2,462	1,474	60	1
28	122.76	7,683	-14	4,025	30	2,462	1,478	60	2
29	122.02	7,350	-333	3,861	30	2,461	1,476	60	2
30	122.11	7,391	+41	4,025	30	2,444	1,468	60	2
31	123.15	7,862	+471	3,874	30	2,698	848	60	1
<b>TOTALS</b>			<b>-136</b>	<b>109,476</b>	<b>991</b>	<b>85,422</b>	<b>21,217</b>	<b>1,860</b>	<b>54</b>
<b>ACRE-FEET</b>			<b>-136</b>	<b>217,146</b>	<b>1,966</b>	<b>169,435</b>	<b>42,084</b>	<b>3,689</b>	<b>107</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	169,435	FOLSOM SOUTH CANAL	1,966	TOTAL	217,174
SPILL	42,084	HATCHERY	3,689		

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

Table 13

MARCH 2004

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	SPILL	OUTLET	C.F.S.	INCHES	
		1,442.0								
1	997.16	1,445.2	+3.3	1,665	0	0	0	18	.06	.01
2	997.47	1,448.1	+2.8	1,422	0	0	0	0	.00	.15
3	997.73	1,450.4	+2.4	1,245	9	0	0	44	.15	.00
4	998.00	1,452.9	+2.5	1,262	21	0	0	3	.01	.00
5	998.29	1,455.5	+2.6	1,359	0	0	0	24	.08	.00
6	998.52	1,457.6	+2.1	1,089	0	0	0	30	.10	.00
7	998.77	1,459.9	+2.3	1,171	0	0	0	21	.07	.00
8	999.12	1,463.1	+3.2	1,649	0	0	0	36	.12	.00
9	999.24	1,464.2	+1.1	1,585	977	0	0	53	.18	.00
10	999.58	1,467.3	+3.1	1,609	23	0	0	15	.05	.00
11	999.79	1,469.2	+1.9	1,847	784	0	0	92	.31	.00
12	1,000.07	1,471.8	+2.6	1,658	330	0	0	33	.11	.00
13	1,000.24	1,473.4	+1.6	1,514	663	0	0	62	.21	.00
14	1,000.61	1,476.8	+3.4	1,757	13	0	0	27	.09	.00
15	1,001.03	1,480.6	+3.9	1,997	0	0	0	48	.16	.00
16	1,001.15	1,481.8	+1.1	2,038	1,413	0	0	66	.22	.00
17	1,001.37	1,483.8	+2.0	1,835	766	0	0	45	.15	.00
18	1,001.38	1,483.9	+0.1	1,891	1,754	0	0	90	.30	.00
19	1,001.56	1,485.5	+1.7	2,069	1,201	0	0	30	.10	.00
20	1,001.71	1,486.9	+1.4	1,853	1,073	0	0	81	.27	.00
21	1,002.00	1,489.6	+2.7	2,016	615	0	0	51	.17	.00
22	1,001.99	1,489.5	-0.1	2,126	2,118	0	0	54	.18	.00
23	1,002.13	1,490.8	+1.3	2,171	1,469	0	0	48	.16	.00
24	1,002.25	1,491.9	+1.1	1,906	1,288	0	0	57	.19	.00
25	1,002.46	1,493.9	+1.9	2,376	1,340	0	0	54	.18	.00
26	1,002.59	1,495.1	+1.2	1,971	1,354	0	0	9	.03	.88
27	1,002.59	1,495.1	+0.0	1,494	1,458	0	0	36	.12	.00
28	1,002.64	1,495.5	+0.5	1,391	1,116	0	0	42	.14	.00
29	1,002.67	1,495.8	+0.3	1,701	1,515	0	0	45	.15	.00
30	1,002.68	1,495.9	+0.1	1,594	1,467	0	0	81	.27	.00
31	1,002.73	1,496.4	+0.5	1,493	1,244	0	0	15	.05	.00
<b>TOTALS</b>			<b>+54.6</b>	<b>52,754</b>	<b>24,011</b>	<b>0</b>	<b>0</b>	<b>1,310</b>	<b>4.38</b>	<b>1.04</b>
<b>ACRE-FEET</b>			<b>+54,600</b>	<b>104,638</b>	<b>47,626</b>	<b>0</b>	<b>0</b>	<b>2,598</b>		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	47,626	OUTLET	0
SPILL	0	TOTAL	47,626
		THIS MONTH =	1.04
		JULY 1, 2003 TO DATE =	19.77



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

MARCH 2004

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: October 25, 2004

DAY	ELEV	STORAGE ACRE-FEET RES. CHANGE		TULLOCH RELEASE	RELEASE - C.F.S.			
					RIVER		CANALS	
				OUTLET	SPILL	JOINT MAIN	SOUTH MAIN	
		539						
1	360.03	539	+0	219	0	220	0	0
2	360.03	539	+0	219	0	221	0	0
3	360.03	539	+0	222	0	222	0	0
4	360.03	539	+0	219	0	219	0	0
5	360.03	539	+0	220	0	219	0	0
6	360.03	539	+0	226	0	221	0	0
7	360.03	539	+0	224	0	219	0	0
8	360.03	539	+0	344	0	216	132	0
9	360.03	539	+0	361	0	219	136	0
10	360.03	539	+0	383	0	217	135	0
11	360.03	539	+0	375	0	218	132	0
12	360.03	539	+0	366	0	223	127	0
13	360.03	539	+0	485	0	220	242	0
14	360.03	539	+0	590	0	219	351	0
15	360.03	539	+0	705	0	218	453	0
16	360.03	539	+0	823	0	218	556	0
17	360.03	539	+0	991	0	220	700	0
18	360.00	537	-2	1,130	0	208	758	102
19	360.00	537	+0	938	0	205	746	137
20	360.03	539	+2	1,270	0	203	852	160
21	360.00	537	-2	1,401	0	208	896	227
22	360.00	537	+0	1,489	0	205	950	264
23	360.00	537	+0	1,385	0	205	835	271
24	360.03	539	+2	1,415	0	203	850	288
25	360.00	537	-2	1,447	0	213	887	283
26	360.00	537	+0	1,320	0	206	802	259
27	360.06	541	+4	1,289	0	205	792	240
28	360.00	537	-4	1,269	0	209	792	220
29	360.03	539	+2	1,262	0	203	790	221
30	360.00	537	-2	1,226	0	202	756	222
31	360.00	537	+0	1,400	0	204	887	223
<b>TOTALS</b>			<b>-2</b>	<b>25,213</b>	<b>0</b>	<b>6,608</b>	<b>14,557</b>	<b>3,117</b>
<b>ACRE-FEET</b>			<b>-2</b>	<b>50,010</b>	<b>0</b>	<b>13,107</b>	<b>28,874</b>	<b>6,183</b>

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	28,874	OUTLET	0
SOUTH MAIN CANAL	6,183	SPILL	13,107
		TOTAL	48,164

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

Table 15

MARCH 2004

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.				EVAPORATION C.F.S.	PRECIP INCHES	
		1000 ACRE-Feet IN LAKE	CHANGE		CANALS		RIVER				
					MADERA	FRIANT-KERN	SPILL	OUTLET			
		366.3									
1	543.89	368.4	+2.1	1,522	0	329	0	118	4	.03	
2	544.47	370.7	+2.3	1,590	0	284	0	118	10	.08	
3	545.30	374.1	+3.4	1,973	0	154	0	118	8	.06	
4	545.49	374.9	+0.8	516	0	0	0	118	9	.07	
5	545.46	374.7	-0.1	231	0	167	0	114	11	.08	
6	545.62	375.4	+0.6	737	0	286	0	111	13	.10	
7	546.20	377.7	+2.4	1,600	0	287	0	111	11	.08	
8	546.87	380.5	+2.7	1,869	0	357	0	111	20	.15	
9	547.44	382.8	+2.3	1,742	0	430	0	112	19	.14	
10	548.01	385.2	+2.3	1,820	0	505	0	112	20	.15	
11	548.17	385.8	+0.7	1,354	312	547	0	138	23	.17	
12	548.90	388.9	+3.0	2,614	384	547	0	149	9	.07	
13	549.68	392.1	+3.3	2,688	322	547	0	150	30	.22	
14	550.30	394.7	+2.6	2,268	114	675	0	150	24	.18	
15	550.57	395.8	+1.1	1,940	388	813	0	150	20	.15	
16	551.19	398.4	+2.6	2,592	226	879	0	163	14	.10	
17	551.86	401.2	+2.8	2,707	129	954	0	179	23	.17	
18	552.32	403.2	+1.9	2,635	455	998	0	179	22	.16	
19	553.00	406.1	+2.9	3,020	415	944	0	179	30	.22	
20	553.59	408.6	+2.5	2,698	391	841	0	180	18	.13	
21	554.10	410.8	+2.2	2,612	426	886	0	180	22	.16	
22	554.66	413.2	+2.4	2,959	443	1,093	0	180	32	.23	
23	555.12	415.1	+2.0	2,843	452	1,197	0	180	17	.12	
24	555.49	416.7	+1.6	2,657	453	1,197	0	180	22	.16	
25	555.85	418.3	+1.6	2,560	406	1,166	0	180	25	.18	
26	556.70	422.0	+3.7	3,294	354	879	0	180	21	.15	
27	557.60	425.9	+3.9	3,265	341	746	0	181	18	.13	
28	558.62	430.4	+4.5	3,626	338	834	0	181	16	.11	
29	559.40	433.8	+3.4	3,263	397	926	0	181	24	.17	
30	560.13	437.1	+3.2	3,192	371	978	0	181	32	.22	
31	560.85	440.3	+3.2	3,158	339	1,000	0	181	25	.17	
<b>TOTALS</b>			<b>+74.0</b>	<b>71,545</b>	<b>7,456</b>	<b>21,446</b>	<b>0</b>	<b>4,745</b>	<b>592</b>	<b>4.31</b>	<b>1.31</b>
<b>ACRE-Feet</b>			<b>+73,996</b>	<b>141,910</b>	<b>14,789</b>	<b>42,538</b>	<b>0</b>	<b>9,412</b>	<b>1,174</b>		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-Feet)		PRECIPITATION	
CANALS	RIVER		
FRIANT-KERN	AT FRIANT	THIS MONTH =	1.31
MADERA	TOTAL RELEASES	JULY 1, 2003 TO DATE =	9.63

Table 16

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

*Italic Red numbers were updated on 9/1/04 when a leap year calculation error was discovered.*

**March 2004**

Estimated numbers are in bold italic print

Date	DELTA INFLOW									NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	SRTP	Yolo + Misc	East Side Streams	S. Joaquin River@Vernalis	7-day Average	Monthly Average	Total Delta Inflow	Total Delta Exports		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)	
1-Mar-04	72,380	255	80,736	1,459	3,908	3,349	<i>3,858</i>	158,738	<i>-5,440</i>	7,993	4,446	1	0	28	12,469	11,951	<i>151,709</i>	<i>143,367</i>	<i>151,709</i>	7.8%	7.4%	9.9%	
2-Mar-04	71,294	251	75,557	1,411	3,858	3,543	<i>3,824</i>	152,371	<i>-3,336</i>	7,891	4,471	2	0	28	12,393	12,170	<i>143,314</i>	<i>144,948</i>	<i>147,512</i>	8.1%	7.7%	9.4%	
3-Mar-04	70,987	246	73,160	1,522	3,790	3,708	<i>3,730</i>	149,705	<i>-369</i>	6,778	4,444	5	0	28	11,255	12,008	<i>138,819</i>	<i>147,245</i>	<i>144,614</i>	7.5%	7.8%	8.7%	
4-Mar-04	70,325	242	66,208	1,214	3,543	3,781	<i>3,624</i>	141,532	<i>-141</i>	7,794	4,428	2	0	29	12,252	11,935	<i>129,421</i>	<i>146,879</i>	<i>140,816</i>	8.6%	8.1%	8.3%	
5-Mar-04	69,552	238	62,540	1,087	3,303	3,686	<i>3,548</i>	136,720	<i>-91</i>	7,687	4,432	4	0	26	12,149	11,854	<i>124,662</i>	<i>143,347</i>	<i>137,585</i>	8.9%	8.3%	8.0%	
6-Mar-04	68,609	234	53,823	996	3,245	3,551	<i>3,492</i>	126,907	<i>-91</i>	7,642	4,413	3	0	26	12,084	12,132	<i>114,913</i>	<i>137,485</i>	<i>133,807</i>	9.5%	9.0%	8.2%	
7-Mar-04	67,456	229	44,410	935	3,210	3,440	<i>3,440</i>	116,240	<i>1,050</i>	7,183	4,413	5	0	26	11,628	11,924	<i>103,562</i>	<i>129,486</i>	<i>129,486</i>	10.0%	9.4%	8.2%	
8-Mar-04	66,321	225	31,758	900	3,130	3,358	<i>3,420</i>	102,334	<i>1,100</i>	7,472	4,366	1	0	29	11,868	11,830	<i>89,366</i>	<i>120,580</i>	<i>124,471</i>	11.6%	10.3%	8.3%	
9-Mar-04	65,417	225	19,863	907	3,282	3,286	<i>3,405</i>	89,694	<i>1,100</i>	7,746	4,321	3	20	17	12,066	11,834	<i>76,528</i>	<i>111,039</i>	<i>119,144</i>	13.4%	11.5%	8.6%	
10-Mar-04	63,816	225	11,095	954	3,286	3,235	<i>3,384</i>	79,376	<i>1,100</i>	7,740	4,321	7	0	2	12,070	11,989	<i>66,206</i>	<i>100,666</i>	<i>113,850</i>	15.2%	13.2%	8.9%	
11-Mar-04	62,424	225	5,513	1,033	3,189	3,215	<i>3,364</i>	72,384	<i>1,150</i>	7,342	4,322	48	0	0	11,712	11,931	<i>59,522</i>	<i>90,680</i>	<i>108,911</i>	16.1%	14.8%	9.2%	
12-Mar-04	59,968	225	3,946	1,091	3,166	3,227	<i>3,360</i>	68,396	<i>1,150</i>	7,665	4,324	89	12	0	12,067	11,905	<i>55,179</i>	<i>80,754</i>	<i>104,434</i>	17.5%	16.2%	9.7%	
13-Mar-04	56,939	225	3,131	1,090	3,323	3,247	<i>3,360</i>	64,708	<i>1,200</i>	7,673	4,320	88	10	0	12,071	11,882	<i>51,437</i>	<i>71,686</i>	<i>100,357</i>	18.5%	17.3%	10.2%	
14-Mar-04	53,388	225	2,378	1,078	3,350	3,262	<i>3,351</i>	60,419	<i>1,250</i>	7,159	4,320	87	11	0	11,555	11,820	<i>47,614</i>	<i>63,693</i>	<i>96,590</i>	19.0%	18.3%	10.9%	
15-Mar-04	49,168	225	0	1,067	3,241	3,256	<i>3,343</i>	53,701	<i>1,250</i>	7,693	4,297	89	11	0	12,068	11,821	<i>40,383</i>	<i>56,696</i>	<i>92,842</i>	22.3%	19.8%	11.7%	
16-Mar-04	44,839	225	0	1,077	3,234	3,231	<i>3,329</i>	49,375	<i>1,300</i>	6,679	3,674	89	32	0	10,410	11,274	<i>37,665</i>	<i>51,144</i>	<i>89,394</i>	20.9%	20.7%	12.0%	
17-Mar-04	41,248	225	0	1,094	3,115	3,193	<i>3,305</i>	45,682	<i>1,350</i>	6,664	3,444	89	23	0	10,174	10,817	<i>34,158</i>	<i>46,566</i>	<i>86,145</i>	22.1%	21.8%	12.5%	
18-Mar-04	38,311	225	0	1,085	2,922	3,217	<i>3,307</i>	42,543	<i>1,350</i>	6,676	3,438	89	38	0	10,165	10,192	<i>31,028</i>	<i>42,495</i>	<i>83,083</i>	23.7%	22.2%	12.8%	
19-Mar-04	35,549	225	0	1,079	3,331	3,337	<i>3,352</i>	40,184	<i>1,400</i>	6,583	3,430	89	33	0	10,069	10,078	<i>28,715</i>	<i>38,714</i>	<i>80,221</i>	24.8%	23.5%	13.9%	
20-Mar-04	33,383	225	0	1,094	4,169	3,484	<i>3,403</i>	38,871	<i>1,400</i>	6,629	3,418	90	30	0	10,106	10,058	<i>27,365</i>	<i>35,275</i>	<i>77,578</i>	25.8%	24.7%	15.2%	
21-Mar-04	32,082	225	0	1,075	4,375	3,632	<i>3,445</i>	37,757	<i>1,450</i>	6,673	3,429	89	33	0	10,158	10,054	<i>26,149</i>	<i>32,209</i>	<i>75,129</i>	26.7%	25.7%	16.6%	
22-Mar-04	31,225	225	0	1,070	4,280	3,721	<i>3,463</i>	36,800	<i>1,500</i>	6,657	3,423	89	0	0	10,169	10,076	<i>25,131</i>	<i>30,030</i>	<i>72,857</i>	27.4%	26.6%	18.0%	
23-Mar-04	30,418	225	0	1,084	3,853	3,763	<i>3,461</i>	35,580	<i>1,500</i>	6,110	3,542	92	23	0	9,722	9,945	<i>24,358</i>	<i>28,129</i>	<i>70,748</i>	27.1%	27.0%	19.1%	
24-Mar-04	30,078	225	0	1,093	3,408	3,788	<i>3,446</i>	34,804	<i>1,550</i>	5,099	4,077	91	16	0	9,251	9,636	<i>24,003</i>	<i>26,678</i>	<i>68,800</i>	26.3%	26.9%	19.8%	
25-Mar-04	32,208	225	0	1,040	3,100	3,720	<i>3,422</i>	36,573	<i>1,550</i>	5,962	4,374	94	0	0	10,430	9,722	<i>24,593</i>	<i>25,759</i>	<i>67,032</i>	28.3%	27.2%	21.1%	
26-Mar-04	33,049	225	0	993	2,853	3,515	<i>3,396</i>	37,120	<i>2</i>	6,447	4,370	102	0	0	10,919	10,110	<i>26,199</i>	<i>25,400</i>	<i>65,462</i>	29.1%	27.9%	23.0%	
27-Mar-04	33,128	225	0	1,143	2,737	3,287	<i>3,373</i>	37,233	<i>2</i>	5,452	4,377	117	0	23	9,969	10,328	<i>27,261</i>	<i>25,385</i>	<i>64,047</i>	26.4%	27.9%	24.6%	
28-Mar-04	32,030	225	0	1,053	2,780	3,068	<i>3,351</i>	36,088	<i>52</i>	6,360	4,373	115	0	7	10,855	10,460	<i>25,181</i>	<i>25,247</i>	<i>62,659</i>	29.7%	28.4%	26.0%	
29-Mar-04	29,401	225	0	969	2,747	2,905	<i>3,329</i>	33,342	<i>52</i>	6,618	4,385	117	22	0	11,098	10,522	<i>22,192</i>	<i>24,827</i>	<i>61,263</i>	32.9%	29.6%	27.2%	
30-Mar-04	26,728	225	0	917	2,712	2,785	<i>3,303</i>	30,582	<i>52</i>	6,427	4,383	139	13	11	10,946	10,848	<i>19,583</i>	<i>24,145</i>	<i>59,874</i>	35.3%	32.5%	29.0%	
31-Mar-04	25,022	225	0	908	2,566	2,683	<i>3,274</i>	28,721	<i>1,700</i>	4,648	4,383	281	12	13	9,313	10,281	<i>17,708</i>	<i>23,245</i>	<i>58,514</i>	31.4%	33.2%	28.4%	
Total	1,496,743	7,095	534,118	33,518	103,006	104,472	<i>106,461</i>	2,174,480	<i>17,094</i>	213,141	128,158	2,207	339	293	343,460	343,382	<i>1,813,927</i>	<i>2,193,799</i>	<i>2,988,933</i>	631.9%	605.1%	457.5%	
Average	48,282	229	17,230	1,081	3,323	3,370	<i>3,434</i>	70,145	<i>551</i>	6,876	4,134	71	11	9	11,079	11,077	<i>58,514</i>	<i>70,768</i>		20.4%	19.5%	14.8%	

MARCH 2004

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

RUN DATE: April 21, 2004

DAY	ELEV	STORAGE		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION		PRECIP INCHES
		ACRE-FEET IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL		C.F.S.	INCHES	
		1,878,476									
1	532.18	1,891,980	+13,504	7,392	0	158	0	-426	64	.16	.01
2	533.02	1,902,409	+10,429	6,292	0	153	0	-881	20	.05	.30
3	533.50	1,908,378	+5,969	6,983	0	155	0	-3,819	64	.16	.00
4	534.44	1,920,085	+11,707	6,074	0	128	0	-44	44	.11	.00
5	535.30	1,930,818	+10,733	5,533	0	48	0	-73	73	.18	.00
6	536.43	1,944,952	+14,134	7,202	0	36	0	-41	41	.10	.00
7	537.40	1,957,113	+12,161	6,218	0	34	0	-53	53	.13	.00
8	537.84	1,962,638	+5,525	2,874	0	36	0	-53	53	.13	.00
9	538.83	1,975,089	+12,451	3,830	0	37	0	+2,484	53	.13	.00
10	539.47	1,983,153	+8,064	4,400	0	37	0	-297	82	.20	.00
11	539.88	1,988,325	+5,172	3,075	0	38	0	-430	102	.25	.00
12	539.83	1,987,694	-631	2,201	2,380	38	0	-101	69	.17	.00
13	540.22	1,992,618	+4,924	2,817	0	41	0	-293	82	.20	.00
14	540.76	1,999,442	+6,824	3,774	0	43	0	-290	98	.24	.00
15	540.95	2,001,845	+2,403	1,480	0	63	0	-206	143	.35	.00
16	541.55	2,009,440	+7,595	4,283	0	137	0	-318	246	.60	.00
17	541.87	2,013,494	+4,054	1,502	0	84	0	+626	0	.00	.00
18	541.62	2,010,326	-3,168	0	1,590	136	0	+129	103	.25	.00
19	541.44	2,008,047	-2,279	0	972	179	0	+2	106	.26	.00
20	541.08	2,003,489	-4,558	0	2,120	159	0	-19	98	.24	.00
21	541.03	2,002,857	-632	0	0	161	0	-157	78	.19	.00
22	540.94	2,001,718	-1,139	0	353	170	0	-51	119	.29	.00
23	540.90	2,001,212	-506	315	0	166	0	-404	155	.38	.00
24	540.86	2,000,706	-506	1,851	1,944	166	0	+3	135	.33	.00
25	540.58	1,997,166	-3,540	1,177	2,642	153	0	-167	102	.25	.00
26	540.59	1,997,293	+127	1,788	1,227	103	0	-394	82	.20	.00
27	541.00	2,002,477	+5,184	3,366	0	174	0	-578	90	.22	.00
28	541.46	2,008,300	+5,823	3,331	0	158	0	-237	70	.17	.00
29	541.74	2,011,847	+3,547	2,187	0	184	0	-214	123	.30	.00
30	542.10	2,016,411	+4,564	2,880	0	149	0	-430	90	.22	.00
31	542.39	2,020,089	+3,678	2,178	0	149	0	-175	90	.22	.00
<b>TOTALS</b>			<b>+141,613</b>	<b>95,003</b>	<b>13,228</b>	<b>3,473</b>	<b>0</b>	<b>-6,907</b>	<b>2,728</b>	<b>6.68</b>	<b>.31</b>
<b>ACRE-FEET</b>			<b>+141,613</b>	<b>188,438</b>	<b>26,238</b>	<b>6,889</b>	<b>0</b>	<b>-13,700</b>	<b>5,411</b>		

**SUMMARY**

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	26,238	SPILL	0	THIS MONTH =	.31
PACHECO TUNNEL	6,889	TOTAL	33,127	JULY 1, 2003 TO DATE =	8.05

MARCH 2004

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

RUN DATE: April 21, 2004

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		
		47,809									
1	221.96	48,282	+473	2,311	0	8,010	0	7,392	3,336		+646
2	222.98	50,993	+2,711	2,359	0	7,729	0	6,292	3,232		+803
3	221.96	48,282	-2,711	2,433	0	5,831	0	6,983	3,522		+874
4	222.32	49,235	+953	2,469	0	7,386	0	6,074	3,663		+362
5	222.70	50,246	+1,011	2,541	0	7,529	0	5,533	3,941		-87
6	221.42	46,863	-3,383	2,787	0	6,944	0	7,202	4,674		+440
7	220.20	43,671	-3,192	2,977	0	5,952	0	6,218	5,952		+1,632
8	221.50	47,073	+3,402	3,000	0	7,544	0	2,874	6,298		+343
9	221.10	46,023	-1,050	2,868	0	7,285	0	3,830	7,068		+216
10	220.02	43,204	-2,819	2,853	0	6,883	0	4,400	7,667		+910
11	219.41	41,631	-1,573	2,815	0	7,008	0	3,075	7,925		+385
12	220.68	44,923	+3,292	2,834	2,380	6,963	0	2,201	8,844		+527
13	220.56	44,609	-314	2,890	0	7,434	0	2,817	8,039		+374
14	218.80	40,077	-4,532	2,812	0	7,063	0	3,774	8,620		+233
15	220.03	43,230	+3,153	2,695	0	7,550	0	1,480	7,355		+180
16	218.82	40,128	-3,102	2,440	0	6,533	0	4,283	7,315		+1,062
17	217.91	37,849	-2,279	1,801	0	5,589	0	1,502	7,343		+306
18	219.22	41,145	+3,296	1,307	1,590	6,459	0	0	7,714		+20
19	219.38	41,554	+409	1,133	972	6,001	0	0	7,893		-6
20	220.36	44,088	+2,534	1,502	2,120	5,939	0	0	8,153		-131
21	220.47	44,374	+286	1,618	0	6,218	0	0	7,816		+124
22	221.26	46,442	+2,068	1,868	353	5,419	0	0	6,469		-129
23	221.16	46,180	-262	1,726	0	5,164	0	315	6,784		+77
24	220.64	44,818	-1,362	1,868	1,944	4,951	0	1,851	7,770		+171
25	221.93	48,203	+3,385	2,319	2,642	5,873	0	1,177	7,924		-26
26	222.61	50,006	+1,803	2,489	1,227	6,153	0	1,788	7,730		+558
27	222.24	49,022	-984	2,658	0	6,189	0	3,366	6,194		+216
28	221.90	48,124	-898	2,792	0	6,516	0	3,331	6,742		+312
29	221.96	48,282	+158	2,803	0	5,560	0	2,187	6,535		+439
30	221.48	47,020	-1,262	2,676	0	4,687	0	2,880	5,383		+263
31	221.07	45,944	-1,076	2,636	0	4,801	0	2,178	6,134		+713
<b>TOTALS</b>			<b>-1,865</b>	<b>74,280</b>	<b>13,228</b>	<b>199,163</b>	<b>0</b>	<b>95,003</b>	<b>204,035</b>		<b>+11,807</b>
<b>ACRE-FEET</b>			<b>-1,865</b>	<b>147,334</b>	<b>26,238</b>	<b>395,040</b>	<b>0</b>	<b>188,438</b>	<b>404,703</b>	<b>754</b>	<b>23,419</b>

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

**SUMMARY**  
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	404,703		
SAN LUIS PUMP	188,438	DELIVERIES	754	TOTAL	593,895

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

Table 19

MARCH 2004

FEDERAL-STATE OPERATIONS  
 SAN LUIS UNIT

RUN DATE: April 21, 2004

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	15,887	0	15,887	4,583	0	4,583	0	2,291	12,371	14,662	0	0	0	314	1,257	5,359	6,616
2	15,331	0	15,331	4,679	0	4,679	0	4,082	8,399	12,481	0	0	0	304	1,273	5,138	6,411
3	11,566	0	11,566	4,826	0	4,826	0	4,307	9,544	13,851	0	0	0	308	1,256	5,730	6,986
4	14,650	0	14,650	4,897	0	4,897	0	3,456	8,592	12,048	0	0	0	254	1,268	5,997	7,265
5	14,933	0	14,933	5,041	0	5,041	0	5,763	5,211	10,974	0	0	0	96	1,248	6,569	7,817
6	13,773	0	13,773	5,528	0	5,528	0	4,769	9,517	14,286	0	0	0	71	1,255	8,015	9,270
7	11,805	0	11,805	5,904	0	5,904	0	8,796	3,537	12,333	0	0	0	67	1,548	10,257	11,805
8	14,964	0	14,964	5,950	0	5,950	0	3,613	2,088	5,701	0	0	0	71	1,269	11,223	12,492
9	14,450	0	14,450	5,689	0	5,689	0	5,004	2,593	7,597	0	0	0	73	1,249	12,771	14,020
10	13,653	0	13,653	5,658	0	5,658	0	4,635	4,092	8,727	0	0	0	73	1,236	13,971	15,207
11	13,900	0	13,900	5,583	0	5,583	0	5,622	478	6,100	0	0	0	76	1,231	14,489	15,720
12	13,812	0	13,812	5,621	0	5,621	0	4,467	-101	4,366	0	4,721	4,721	75	1,238	16,304	17,542
13	14,745	0	14,745	5,732	0	5,732	0	5,555	32	5,587	0	0	0	82	1,258	14,688	15,946
14	14,010	0	14,010	5,578	0	5,578	0	7,501	-16	7,485	0	0	0	86	1,225	15,872	17,097
15	14,975	0	14,975	5,346	0	5,346	0	2,948	-12	2,936	0	0	0	125	1,227	13,362	14,589
16	12,958	0	12,958	4,840	0	4,840	0	3,710	4,786	8,496	0	0	0	271	1,226	13,284	14,510
17	11,086	0	11,086	3,572	0	3,572	0	2,481	498	2,979	0	0	0	167	2,283	12,281	14,564
18	12,811	0	12,811	2,593	0	2,593	0	0	0	0	0	3,154	3,154	269	3,469	11,832	15,301
19	11,902	0	11,902	2,248	0	2,248	0	0	0	0	0	1,927	1,927	356	3,494	12,162	15,656
20	11,780	0	11,780	2,980	0	2,980	0	0	0	0	4,270	-65	4,205	315	3,542	12,629	16,171
21	12,333	0	12,333	3,210	0	3,210	0	0	0	0	0	0	0	320	3,524	11,979	15,503
22	10,749	0	10,749	3,705	0	3,705	0	0	0	0	0	701	701	337	3,542	9,289	12,831
23	10,243	0	10,243	3,423	0	3,423	0	0	625	625	0	0	0	329	3,570	9,886	13,456
24	9,821	0	9,821	3,706	0	3,706	0	0	3,672	3,672	3,583	272	3,855	329	4,491	10,920	15,411
25	11,649	0	11,649	4,599	0	4,599	0	0	2,335	2,335	5,377	-137	5,240	304	4,596	11,121	15,717
26	12,205	0	12,205	4,936	0	4,936	0	0	3,546	3,546	2,550	-117	2,433	205	4,782	10,550	15,332
27	12,276	0	12,276	5,273	0	5,273	0	0	6,676	6,676	0	0	0	345	4,638	7,647	12,285
28	12,925	0	12,925	5,538	0	5,538	0	0	6,607	6,607	0	0	0	313	4,653	8,719	13,372
29	11,028	0	11,028	5,560	0	5,560	0	0	4,337	4,337	0	0	0	365	3,926	9,037	12,963
30	9,297	0	9,297	5,308	0	5,308	0	0	5,712	5,712	0	0	0	296	4,669	6,008	10,677
31	9,522	0	9,522	5,229	0	5,229	0	1,589	2,732	4,321	0	0	0	296	4,524	7,643	12,167
<b>TOTAL</b>	<b>395,039</b>	<b>0</b>	<b>395,039</b>	<b>147,335</b>	<b>0</b>	<b>147,335</b>	<b>0</b>	<b>TOTAL</b>	<b>188,440</b>	<b>TOTAL</b>	<b>26,236</b>	<b>TOTAL</b>	<b>6,892</b>	<b>TOTAL</b>	<b>404,699</b>	<b>FEDERAL</b>	<b>79,967</b>
<b>FEDERAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>147,335</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>FEDERAL</b>	<b>80,589</b>	<b>FEDERAL</b>	<b>15,780</b>	<b>FEDERAL</b>	<b>15,780</b>	<b>FEDERAL</b>	<b>324,732</b>	<b>STATE</b>	<b>324,732</b>
<b>STATE</b>	<b>395,039</b>	<b>0</b>	<b>395,039</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>STATE</b>	<b>107,851</b>	<b>STATE</b>	<b>10,456</b>	<b>STATE</b>	<b>10,456</b>	<b>STATE</b>	<b>16,275</b>	<b>XVC</b>	<b>16,275</b>

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

MARCH 2004

FEDERAL-STATE OPERATIONS

RUN DATE: April 21, 2004

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE			AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	BETHANY TOTAL	STATE	FED	TOTAL		
1	8,819	0	8,819	15,855	15,661	0	15,661	0	0	0	6,124	0	6,124	4,236	
2	8,869	0	8,869	15,652	15,415	0	15,415	0	0	0	5,586	0	5,586	4,190	
3	8,814	0	8,814	13,445	12,971	0	12,971	0	0	0	6,187	0	6,187	3,988	
4	8,782	0	8,782	15,459	15,222	0	15,222	0	0	0	6,351	0	6,351	3,885	
5	8,791	0	8,791	15,247	15,269	0	15,269	0	0	0	6,298	0	6,298	3,750	
6	8,754	0	8,754	15,157	14,877	0	14,877	0	0	0	7,583	0	7,583	3,226	
7	8,754	0	8,754	14,248	14,851	0	14,851	0	0	0	7,768	0	7,768	2,850	
8	8,659	0	8,659	14,821	14,842	0	14,842	0	0	0	10,870	0	10,870	2,709	
9	8,571	0	8,571	15,364	15,454	0	15,454	0	0	40	13,221	0	13,221	2,882	
10	8,570	0	8,570	15,353	15,073	0	15,073	0	0	0	13,128	0	13,128	2,912	
11	8,572	0	8,572	14,563	15,058	0	15,058	0	0	0	13,620	0	13,620	2,989	
12	8,577	0	8,577	15,203	15,137	0	15,137	0	0	23	14,286	0	14,286	2,956	
13	8,568	0	8,568	15,219	15,307	0	15,307	0	0	20	13,747	0	13,747	2,836	
14	8,568	0	8,568	14,200	15,212	0	15,212	0	0	21	13,659	0	13,659	2,990	
15	8,524	0	8,524	15,259	15,882	0	15,882	0	0	22	11,089	0	11,089	3,178	
16	7,287	0	7,287	13,248	13,635	0	13,635	0	0	64	11,500	0	11,500	2,447	
17	6,832	0	6,832	13,218	12,828	0	12,828	0	0	46	11,493	0	11,493	3,260	
18	6,820	0	6,820	13,241	12,908	0	12,908	0	0	75	10,208	0	10,208	4,227	
19	6,803	0	6,803	13,058	12,992	0	12,992	0	0	66	11,904	0	11,904	4,555	
20	6,779	0	6,779	13,148	13,002	0	13,002	0	0	60	10,586	0	10,586	3,799	
21	6,801	0	6,801	13,236	12,181	0	12,181	0	0	66	12,692	0	12,692	3,591	
22	6,790	0	6,790	13,204	11,437	0	11,437	0	0	0	9,490	0	9,490	3,085	
23	7,026	0	7,026	12,119	10,888	0	10,888	0	1,565	45	9,774	0	9,774	3,603	
24	8,087	0	8,087	10,114	10,622	0	10,622	0	1,565	32	10,977	0	10,977	4,381	
25	8,676	0	8,676	11,826	13,033	0	13,033	0	1,565	0	11,555	0	11,555	4,077	
26	8,668	0	8,668	12,787	12,959	0	12,959	0	3,587	0	10,859	0	10,859	3,732	
27	8,682	0	8,682	10,815	12,881	0	12,881	0	3,043	0	9,219	0	9,219	3,409	
28	8,673	0	8,673	12,615	13,110	0	13,110	0	2,957	0	10,346	0	10,346	3,135	
29	8,698	0	8,698	13,126	13,168	0	13,168	0	1,993	44	9,164	0	9,164	3,138	
30	8,694	0	8,694	12,747	10,225	0	10,225	0	0	26	8,716	0	8,716	3,386	
31	8,693	0	8,693	9,219	11,047	0	11,047	0	0	23	8,391	0	8,391	3,464	
<b>TOTALS</b>	<b>254,201</b>	<b>0</b>	<b>254,201</b>	<b>422,766</b>	<b>423,147</b>	<b>0</b>	<b>423,147</b>	<b>0</b>	<b>16,275</b>	<b>673</b>	<b>316,391</b>	<b>0</b>	<b>316,391</b>	<b>106,866</b>	

COMMENTS: ALL VALUES IN ACRE-FEET

- TOTAL TRACY: 03/16/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full.
- TOTAL TRACY: 03/17/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full.
- TOTAL TRACY: 03/18/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full.
- TOTAL TRACY: 03/19/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full.
- TOTAL TRACY: 03/20/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full.
- TOTAL TRACY: 03/21/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full.
- TOTAL TRACY: 03/22/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full. Tracy Pumping of 6,790 AF includes 1,000 AF for CVC.
- TOTAL TRACY: 03/23/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full. Tracy Pumping of 7,026 AF includes 2,600 AF for CVC.
- TOTAL TRACY: 03/24/04 - Decrease in Tracy Pumping Federal San Luis Reservoir full. Tracy Pumping of 8,087 AF includes 2,600 AF for CVC.
- TOTAL TRACY: 03/25/04 - Tracy Pumping of 8,676 AF includes 2,600 AF for CVC.
- TOTAL TRACY: 03/26/04 - Tracy Pumping of 8,668 AF includes 2,600 AF for CVC.
- TOTAL TRACY: 03/27/04 - Tracy Pumping of 8,682 AF includes 2,000 AF for CVC.
- TOTAL TRACY: 03/28/04 - Tracy Pumping of 8,673 AF includes 2,000 AF for CVC.
- TOTAL TRACY: 03/29/04 - Tracy Pumping of 8,673 AF includes 2,000 AF for CVC.





Table 22

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

**Friant-Kern Canal  
2004**

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	2005	2918	10918										15841
Atwell Island WD	0	0	0										0
Delano-Earlimart ID	207	1111	5675										6993
Exeter ID	3	5	144										152
City of Fresno	0	269	22										291
County of Fresno SA #34	3	4	20										27
Fresno ID	0	0	0										0
Garfield WD	0	26	65										91
Hills Valley ID	0	0	102										102
International WD	0	0	0										0
Ivanhoe ID	0	0	0										0
Kaweah Delta WCD	0	0	0										0
Kern County Water Agency	0	0	0										0
Kern-Tulare WD	273	258	1364										1895
Kings County WD	0	0	0										0
Kings River CD	0	0	0										0
Lewis Creek WD	0	0	0										0
Lindmore ID	0	0	841										841
City of Lindsay	151	143	200										494
Lindsay-Strathmore ID	0	102	76										178
Wutchumna (Lindsey-Strathmore non-proje	159	33	572										764
Lower Tule River ID	0	0	0										0
North-Kern WSD	0	0	0										0
City of Orange Cove	80	88	117										285
Orange Cove ID	0	10	573										583
Pixley ID	0	0	0										0
Porterville ID	0	0	840										840
Rag Gulch WD	0	46	188										234
Rosedale Rio Bravo WSD	0	0	0										0
Saucelito ID	0	271	1918										2189
Semitropic WSD	0	0	0										0
Shafter Wasco ID	869	6224	5895										12988
Southern San Joaquin MUD	726	3537	8409										12672
Smallwood Vineyards	0	0	7										7
Stone Corral ID	18	16	229										263
Strathmore PUD	35	32	44										111
Styro Tek, Inc.	0	1	1										2
Tea Pot Dome WD	0	0	127										127
Terra Bella ID	64	50	430										544
Tri-Valley WD	0	0	5										5
Tulare ID	0	0	0										0
<b>Total</b>	<b>4593</b>	<b>15144</b>	<b>38782</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>58519</b>

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

**Table 23**

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

**Madera Canal and Millerton Lake  
 2004**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>MADERA CANAL</b>													
Chowchilla WD	0	0	0										0
Madera ID	0	0	0										0
Soquel	0	0	0										0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MILLERTON LAKE</b>													
County of Madera	2	2	3										7
Fresno County # 18	6	6	8										20
Gravelly Ford WD	0	0	996										996
<b>Total</b>	<b>8</b>	<b>8</b>	<b>1007</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>1023</b>

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



**Table 25**

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

Monthly Deliveries in AF

**Delta-Mendota Canal**  
**2004**

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	301										301
Broadview WD	1069	2348	633										4050
CCID (Abv CK 13)	393	472	1819										2684
CCID (Blw CK 13)	1868	623	6770										9261
Centinella WD	0	0	0										0
China Island (76.05)	0	168	317										485
Del Puerto WD	43	321	4653										5017
DWR Intertie @MP7.70-R	0	0	0										0
Eagle Field WD	162	416	81										659
Firebaugh Canal	101	1940	821										2862
Frietas Unit (76.05L)	0	569	25										594
Mercy Springs WD	37	144	38										219
Oro Loma WD	47	505	0										552
Panoche WD - Ag	284	453	135										872
Panoche WD - M&I	2	3	2										7
Patterson WD	0	131	1057										1188
Plainview WD	0	17	57										74
Salt Slough Unit (76.05L)	1009	0	701										1710
San Luis WD - Ag	254	1238	457										1949
San Luis WD - M&I	1	1	2										4
Tracy, City of	0	447	649										1096
West Side ID	0	0	0										0
Widren	0	13	69										82
W. Stanislaus ID	64	319	* 2145										383
F&G - Los Banos Ref. 76.05L	1027	0	860										1887
Volta Wildlife Mgmt Area (F&G)	38	245	0										283
Grasslands WD -76.05L	6638	3623	1700										11961
Grasslands WD - Volta	215	571	0										786
F&W (Volta) Santa Fee Kest.	0	569	0										569
F&W - Kesterson 76.05L	0	0	0										0
<b>Total DMC Deliveries</b>	<b>13252</b>	<b>15136</b>	<b>21147</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>49535</b>
Oneill Net Pumped	218374	130378	147335										496087
DMC plus Oneill	231626	145514	168482	0	0	0	0	0	0	0	0	0	545622

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**  
2004

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	182	168	204										554
Broadview WD	2	0	0										2
City of Coalinga	325	343	405										1073
City of Dos Palos	69	68	93										230
City of Huron	48	47	69										164
Lemore N.A.S.	0	0	147										147
Pacheco WD	1	2	1										4
Pacheco CCID Non-project (Hamburg)	329	724	885										1938
Panoche WD	4250	4383	3534										12167
San Luis WD	2383	5047	5261										12691
Westlands WD (Federal)	60726	51482	82863										195071
Fish & Game (Lateral 4 - Federal )	1	0	1										2
Fish & Game (Lateral 6 - Federal)	0	0	0										0
<b>Total</b>	<b>68316</b>	<b>62264</b>	<b>93463</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>224043</b>
<b>O'NEILL FOREBAY DELIVERIES</b>													
Oneill Forebay Wildlife (Federal)	60	65	69										194
San Luis WD Ag	54	316	651										1021
San Luis M&I	27	24	34										85
VA Cemetary	1	1	2										4
<b>Total</b>	<b>142</b>	<b>406</b>	<b>756</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>1304</b>
<b>CROSS VALLEY CANAL</b>													
County of Fresno	0	0	0										0
County of Tulare	0	0	0										0
Lower Tule River ID	0	0	7854										7854
Pixley ID	0	0	0										0
Kern-Tulare WD	0	0	4211										4211
Rag Gulch WD	0	0	4210										4210
Hills-Valey ID	0	0	0										0
Tri-Valley ID	0	0	0										0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>16275</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>16275</b>
<b>SAN FELIPE DIVISION</b>													
Santa Clara	9868	7309	4408										21585
215 water	0	0	1110										1110
San Benito	1203	2629	1271										5103
215 water	0	0	103										103
<b>Total</b>	<b>11071</b>	<b>9938</b>	<b>6892</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>27901</b>

\* Data supplied by Fresno Field Division, Contracts Administration Division for San Luis Canal and Cross Valley Canal.  
Tracy Field Division, Water Division for O'Neill Forebay.

**Table 27**

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

**Tehama-Colusa Canal  
 2003**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Colusa County WD	108	109	1763										1980
Cortina WD	0	0	26										26
Davis WD	0	0	132										132
Dunnigan WD	5	10	233										248
4-M Water District	1	0	143										144
GCID	0	161	1110										1271
Glenn Valley WD	0	0	30										30
Glide WD	0	0	32										32
Holthouse WD	0	0	29										29
Kanawha WD	3	9	397										409
Kirkwood WD	0	0	2										2
La Grande WD	0	0	1										1
Myers-Marsh MWC	0	0	32										32
Orland-Artois WD	5	17	416										438
Westside WD	6	6	887										899
<b>Total</b>	<b>128</b>	<b>312</b>	<b>5233</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>5673</b>

Data supplied by Willows Field Division, Water and Land Division

Table 28

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

Monthly Deliveries in AF

**Sacramento River**

**2004**

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A&F Boeger Corp & Thunder Farms	0	0	0										0
Anderson Cottonwood ID	0	0	0										0
Andreotti, Arthur, et al	0	0	0										0
Baber, Jack, et	0	0	0										0
A&R Farms (Odysseus)	0	0	0										0
Cannel, Fred	0	0	0										0
Carter, Jane	0	0	0										0
Colusa Prop. Inc	0	0	0										0
Conaway Conservancy Group	0	0	0										0
Davis, Olive P, et al	0	0	0										0
Deseret Farms of Calif	0	0	0										0
Dommer, Elizabeth	0	0	0										0
Forry, David G, et al	0	0	0										0
Forster, Rosemary	0	0	0										0
Furlan Joint Venture (Area #1)	0	0	0										0
Furlan Joint Venture (Area #2)	0	0	0										0
Glenn-Colusa ID	0	0	0										0
Griffin, J, et al	0	0	0										0
Henle Family Limited Partnership	0	0	0										0
Hershey Land Co	0	0	0										0
Hiatt, Glenn	0	0	0										0
Hollins, Mariette B	0	0	0										0
Howald Farms	0	0	0										0
King, Barbara	0	0	0										0
Knaggs Walnut Ranches Co, L.P.	0	0	0										0
Lockett, William P.	0	0	0										0
Loma Cold Storage/J Micheli	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, Mitsue Family PTN	0	0	0										0
Pelger Mutual WC	0	0	0										0
Pleasant Grove-Verona MWC	0	0	0										0
Princeton,-Codora-Glenn ID	0	0	0										0
Provident Irrigation District	0	0	0										0
Reclamation Dist #108	0	0	0										0
Reclamation Dist #1004	0	0	0										0
Reynen, John, 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 & Siddiqui Family Plan	0	0	0										0
Spence, Ruth Ann	0	0	0										0
Sutter Mutual WC	0	0	0										0
Swinford Tract Irrigation Co	0	0	0										0
Tarke, James, et al	0	0	0										0
Tisdale Irrigation & Drain	0	0	0										0
Wallace Construction, Inc.	0	0	0										0
Wells, Joyce M	0	0	0										0
Wilson Ranch Partnership	0	0	0										0
Windswept Land & Livestock Co.	0	0	0										0
<b>Total</b>	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 the Interior - Bureau of Reclamation  
Central Valley Operations Office

**Sacramento-San Joaquin Valley - Streamflow Data  
2004**

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Sacramento River</b>												
Shasta computed inflow	10630	23518	12774									
At Keswick	7638	21345	14924									
At Bend Bridge	13819	32088	23745									
At Vina Bridge	18233	43796	29883									
At Ord Ferry	19581	44092	29054									
At Colusa	19229	26792	23595									
Below Wilkins Slough	18048	19703	19964									
At Verona	33182	39903	42251									
Sacramento at "I" Street	35497	42770	46233									
<b>Miscellaneous Stations</b>												
Folsom computed inflow	3077	4789	5068									
American R at Nimbus Dam	2511	3643	3500									
Kings River at Pine Flat	155	340	548									
<b>San Joaquin River</b>												
At Friant Dam	113	116	153									
Near Vernalis	1759	2167	3301									
<b>Putah Creek</b>												
Berryessa computed inflow	1096	3524	804									
Putah Creek - Lake Solano	40	2728	1447									
<b>Stanislaus River</b>												
New Melones computed inflow	1144	1373	1702									
At Tulloch Dam	233	340	813									
At Orange Blossom	360	453	339									

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