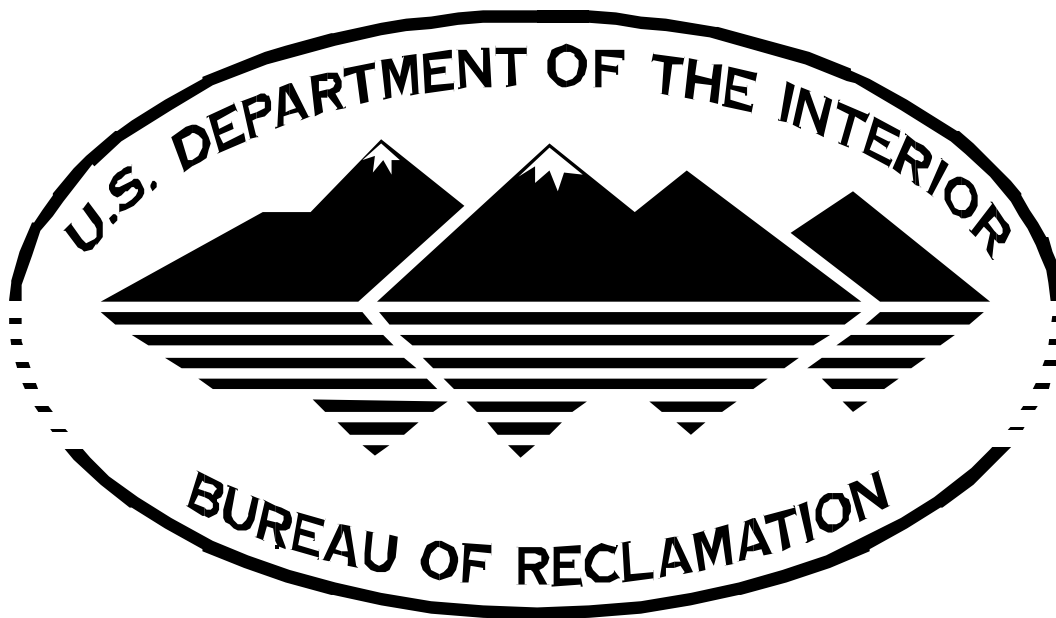


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



February 2003

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SUMMARY OF FEBRUARY 2003 OPERATIONS

Sacramento had an average monthly temperature of 52.4 °F which was 1.1 °F below normal. The average temperature at Shasta Dam was 50.4 °F which was 1.3 °F above normal and Huntington Lake was 8.2 °F below normal with an average temperature of 27.5 °F.

Trinity System: Storage in Trinity Lake increased 53,800 acre-feet this month to 1,939,500 acre-feet, which is 79 percent of capacity and 118 percent of the 15 year average for this date. The total inflow for the month was 133,589 acre-feet. The Trinity River release were 300 ft³/s. Whiskeytown Lake was operated between elevations 1197.13 feet and 1198.82 feet with an end-of-month storage of 202,100 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 200 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 66,602 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 47,200 acre-feet for an end-of-month storage of 3,584,300 acre-feet, which is 79 percent of capacity and 113 percent of the 15 year average. The total inflow for the month was 490,722 acre-feet. The release to the Sacramento River at Keswick ranged between 6,000 and 13,250 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake decreased 69,600 acre-feet and had an end-of-month storage of 531,400 acre-feet, which is 54 percent of capacity and 114 percent of the 15 year average for this date. The total inflow for the month was 179,199 acre-feet. The release to the American River at Nimbus ranged between 2,500 and 5,500 ft³/s during the month.

New Melones: Storage in New Melones increased 21,600 acre-feet for an end-of-month storage of 1,426,800 acre-feet or 59 percent of capacity and 111 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 500 to 600 ft³/s for the month. The total inflow for the month was 53,441 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on February 28, 2003, was 902,000 acre-feet compared to the storage a year ago of 897,000 acre-feet.

Friant: Storage in Millerton Lake increased 49,665 acre-feet to 410,500 acre-feet. The total monthly inflow was 81,216 acre-feet. The release to the San Joaquin River at Friant varied between 100 and 106 ft³/s.

CVP Totals: The total diversions to CVP canals were 280,335 acre-feet. The February 28, 2003, storage in the 18 CVP reservoirs was 8,384,000 acre-feet compared to storage 1 year ago of 8,683,000 acre-feet.

Power: Gross power production for the CVP totaled 405,377,000 kilowatt-hours.

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

Table 1

WATERSHED	RESERVOIR	TOTAL CAPACITY	02/28/03	02/28/02	WATERSHED	RESERVOIR	TOTAL CAPACITY	02/28/03	02/28/02
KLAMATH	CLEAR LAKE *	526,800	120,010	152,030	AMERICAN	FOLSOM LAKE *CVP	1,010,300	531,360	602,370
	GERBER *	94,300	26,520	37,540		LAKE NATOMA *CVP	9,030	8,520	7,690
	UPR KLAMATH LK *	873,300	419,430	415,560	COSUMNES	JENKINSON LK *CVP	41,000	31,750	34,060
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,939,540	1,757,430	MOKELUMNE	CAMANCHE	431,500	305,630	233,800
	LEWISTON LAKE*CVP	14,660	14,090	13,880		PARDEE	210,000	166,910	182,640
	WHISKEYTOWN *CVP	241,100	202,110	204,920	SALT SPRINGS	140,000	13,550	7,090	
MCCLLOUD	MCCLLOUD DIV. RES	35,230	17,780	22,900	CALAVERAS	NEW HOGAN	317,100	141,360	158,540
PIT	IRON CANYON	24,240	5,430	6,170		NEW MELONES*CVP	2,420,000	1,426,780	1,587,380
	LAKE BRITTON	40,620	33,500	34,580		BEARDSLEY	97,800	21,570	23,440
	PIT NO. 6	15,890	13,640	15,570	STANISLAUS	DONNELLS	64,320	5,160	5,470
	PIT NO. 7	34,610	620	32,530	TULLOCH	67,000	56,180	56,140	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,584,280	3,839,540	TUOLUMNE	LAKE ELEANOR	26,100	3,410	5,680
	SPRING CREEK *CVP	5,900	850	4,150		LAKE LLOYD	268,000	180,700	214,780
	KESWICK *CVP	23,800	22,220	21,800		HETCH-HETCHY	360,400	235,020	124,380
	RED BLUFF DIV *CVP	3,920	350	320	NEW DON PEDRO	2,030,000	1,414,350	1,471,220	
FEATHER	OROVILLE	3,538,000	2,259,700	2,120,160	TURLOCK LAKE	49,000	25,600	14,240	
	THERMALITO DIV RES	13,500	13,050	13,390	MERCED	EXCHEQUER	1,024,600	367,240	436,140
	THERMALITO FORE.	14,400	10,830	11,660	CHOWCHILLA	BUCHANAN	150,000	21,630	29,160
	THERMALITO AFTER.	57,000	32,180	28,090	CRANE VALLEY	45,400	28,640	27,780	
STONY CREEK	LAKE ALMANOR	1,143,000	786,600	729,600	LAKE T.A. EDISON	125,000	45,740	43,290	
	EAST PARK *	50,900	48,510	48,510	FLORENCE LAKE	64,600	1,170	1,050	
	STONY GORGE *	50,000	40,370	39,740	SAN JOAQUIN	MAMMOTH POOL	122,700	17,360	21,310
PUTAH CREEK	BLACK BUTTE *CVP	143,700	75,380	74,700	HUNTINGTON LAKE	89,800	35,170	34,940	
	LAKE BERRYESSA *	1,602,300	1,586,500	1,494,820	REDINGER LAKE	35,000	24,400	23,230	
	LAKE SOLANO *	720	620	630	SHAVER LAKE	135,400	93,660	87,380	
YUBA	BULLARDS BAR	930,000	733,460	700,430	MILLERTON LK *CVP	520,500	410,470	334,270	
	SO. YUBA SYSTEM	146,000	43,880	37,810	FRESNO	HIDDEN	90,000	20,910	22,920
	NARROWS	70,000	64,340	63,780	SAN LUIS **CVP	2,040,600	1,739,390	1,925,320	
BEAR	ROLLINS	65,990	65,990	64,510	O'NEILL FORE.**CVP	56,400	44,820	41,600	
LITTLE TRUCKEE	STAMPEDE *	226,620	114,640	153,800	SAN LUIS	L BANOS RES**CVP	34,560	20,470	20,470
	BOCA *	41,140	16,200	8,600	LT PANOCHE **CVP	5,580	830	830	
PROSSER	PROSSER CREEK *	29,840	9,290	8,800	OIL CANYON	CONTRA LOMA *CVP	2,100	2,040	1,800
TRUCKEE	LAKE TAHOE *	732,000	86,100	145,700	KINGS	WISHON	128,300	40,670	48,450
	RYE PATCH *	190,000	19,200	19,900	PINE FLAT	1,001,500	365,550	446,060	
HUMBOLDT					KAWEAH	TERMINUS	143,000	12,380	17,780
CARSON	LAHONTAN *	317,280	168,100	132,500	TULE	SUCCESS	82,300	21,560	21,120
	TWIN LAKES	21,600	13,530	15,860	KERN	ISABELLA	588,100	151,650	107,620
	FRENCH MEADOWS	136,400	75,810	44,010	CUYAMA	TWITCHHELL *	240,100	NR	5,160
AMERICAN	HELL HOLE	207,590	138,590	56,260	SANTA YNEZ	LAKE CACHUMA *	190,500	122,970	166,390
	LOON LAKE	76,500	25,390	22,930	COYOTE	LAKE CASITAS *	254,000	194,130	220,870
	ICE HOUSE	46,000	21,910	19,900	TOTAL - 85 RESERVOIRS	33,790,040	21,375,140	21,593,780	
	UNION VALLEY	277,300	158,400	149,290	TOTAL - 36 RESERVOIRS	18,992,650	13,027,840	13,523,080	
	SLAB CREEK	16,600	15,500	15,620	TOTAL - 18 RESERVOIRS	13,572,850	10,055,250	10,472,530	

** - 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

FEBRUARY 2003

SHASTA LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION C.F.S.	INCHES	PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	RIVER SPILL	OUTLET			
		3,536.8								
1	1,030.10	3,536.0	-0.8	10,678	11,061	0	0	0	.00	.01
2	1,030.30	3,541.1	+5.1	11,060	8,475	0	0	30	.04	.00
3	1,030.62	3,549.2	+8.1	10,338	6,205	0	0	45	.06	.00
4	1,030.79	3,553.5	+4.3	8,454	6,170	0	0	112	.15	.00
5	1,030.96	3,557.8	+4.3	8,278	6,002	0	0	105	.14	.00
6	1,031.31	3,566.7	+8.9	9,061	4,383	0	0	187	.25	.00
7	1,031.64	3,575.1	+8.4	8,907	4,610	0	0	60	.08	.00
8	1,032.03	3,585.1	+9.9	9,963	4,879	0	0	75	.10	.00
9	1,032.41	3,594.8	+9.7	9,802	4,816	0	0	83	.11	.00
10	1,032.61	3,599.9	+5.1	7,462	4,822	0	0	60	.08	.00
11	1,032.27	3,591.2	-8.7	6,542	10,854	0	0	75	.10	.00
12	1,031.95	3,583.0	-8.2	6,690	10,726	0	0	90	.12	.00
13	1,031.67	3,575.9	-7.1	7,288	10,853	0	0	30	.04	.37
14	1,031.40	3,569.0	-6.9	6,671	10,131	0	0	7	.01	.11
15	1,031.31	3,566.7	-2.3	9,737	10,893	0	0	0	.00	.01
16	1,031.58	3,573.6	+6.9	12,611	9,144	0	0	0	.00	2.30
17	1,031.97	3,583.5	+9.9	11,945	6,938	0	0	0	.00	.04
18	1,032.19	3,589.1	+5.6	10,556	7,667	0	0	53	.07	.00
19	1,031.98	3,583.8	-5.4	8,829	11,016	0	513	8	.01	.13
20	1,031.88	3,581.2	-2.5	9,773	11,057	0	0	0	.00	.02
21	1,031.74	3,577.7	-3.6	8,843	10,595	0	0	45	.06	.00
22	1,031.65	3,575.4	-2.3	7,365	8,484	0	0	37	.05	.00
23	1,031.64	3,575.1	-0.3	7,501	7,554	0	0	75	.10	.00
24	1,031.66	3,575.6	+0.5	8,929	8,575	0	0	97	.13	.00
25	1,031.66	3,575.6	+0.0	7,749	7,689	0	0	60	.08	.00
26	1,031.72	3,577.2	+1.5	8,138	7,233	0	0	135	.18	.00
27	1,031.81	3,579.4	+2.3	7,524	6,353	0	0	15	.02	.00
28	1,032.00	3,584.3	+4.8	6,813	4,306	0	0	68	.09	.00
TOTALS			+47.2	247,507	221,491	0	513	1,552	2.07	2.99
ACRE-FEET			+47,200	490,930	439,327	0	1,018	3,078		

COMMENTS:

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

SUMMARY

POWER	RELEASE (ACRE-FEET)	OUTLET	PRECIPITATION
SPILL	439,327	1,018	THIS MONTH = 2.99
TOTAL	0	440,345	JULY 1, 2002 TO DATE = 52.83

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

FEBRUARY 2003

TRINITY LAKE DAILY OPERATIONS

RUN DATE: March 12, 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)	
		1,885.9								
1	2,333.43	1,893.0	+7.1	4,817	1,223	0	0	4	.01	.00
2	2,333.84	1,898.8	+5.7	4,238	1,309	0	0	41	.10	.00
3	2,334.13	1,902.8	+4.1	3,490	1,430	0	0	12	.03	.00
4	2,334.40	1,906.6	+3.8	3,053	1,129	0	0	12	.03	.00
5	2,334.61	1,909.6	+3.0	2,706	1,219	0	0	0	.00	.00
6	2,334.75	1,911.5	+2.0	2,522	1,489	0	0	41	.10	.00
7	2,334.88	1,913.4	+1.8	2,150	1,189	0	0	41	.10	.00
8	2,334.99	1,914.9	+1.5	1,969	1,190	0	0	0	.00	.00
9	2,335.08	1,916.2	+1.3	1,929	1,289	0	0	0	.00	.00
10	2,335.18	1,917.6	+1.4	1,960	1,183	0	0	66	.16	.00
11	2,335.22	1,918.2	+0.6	1,793	1,487	0	0	21	.05	.00
12	2,335.27	1,918.9	+0.7	1,608	1,215	0	0	37	.09	.00
13	2,335.39	1,920.6	+1.7	2,156	1,294	0	0	8	.02	.39
14	2,335.49	1,922.0	+1.4	1,982	1,266	0	0	4	.01	.05
15	2,335.71	1,925.1	+3.1	2,888	1,289	0	0	33	.08	.07
16	2,336.07	1,930.2	+5.1	3,838	1,251	0	0	21	.05	.68
17	2,336.28	1,933.2	+3.0	2,805	1,265	0	0	38	.09	.16
18	2,336.46	1,935.7	+2.6	2,608	1,278	0	0	42	.10	.00
19	2,336.52	1,936.6	+0.9	2,472	2,039	0	0	4	.01	.20
20	2,336.56	1,937.1	+0.6	2,179	1,860	0	0	33	.08	.00
21	2,336.56	1,937.1	+0.0	2,110	2,089	0	0	21	.05	.00
22	2,336.55	1,937.0	-0.1	2,084	2,131	0	0	25	.06	.00
23	2,336.56	1,937.1	+0.1	1,936	1,822	0	0	42	.10	.00
24	2,336.54	1,936.8	-0.3	1,817	1,935	0	0	25	.06	.00
25	2,336.53	1,936.7	-0.1	1,684	1,723	0	0	33	.08	.01
26	2,336.60	1,937.7	+1.0	1,597	1,050	0	0	46	.11	.00
27	2,336.68	1,938.8	+1.1	1,647	1,058	0	0	17	.04	.00
28	2,336.73	1,939.5	+0.7	1,441	1,054	0	0	29	.07	.00
TOTALS			+53.8	67,479	39,756	0	0	696	1.68	1.56
ACRE-FEET			+53,800	133,845	78,856	0	0	1,381		

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	78,856	OUTLET	0
SPILL	0	TOTAL	78,856
		THIS MONTH =	1.56
		JULY 1, 2002 TO DATE =	25.78

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

FEBRUARY 2003

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: March 11, 2004

DAY	ELEV	STORAGE 1000 ACRE-FEET IN LAKE	STORAGE CHANGE	COMPUTED INFLOW C.F.S. *	FROM JUDGE FRANCIS CARR PP	CLEAR CR. NATURAL FLOW	RELEASE - C.F.S. — TO CLEAR CR — (1) OUTLETS	SPILL	TO SPRING CR. PP	EVAP. C.F.S. INCHES	PRECIP INCHES	
		205.5										
1	1,198.55	205.8	+0.4	1,629	1,000	629	200	0	1,249	2	.02	.00
2	1,198.57	205.9	+0.1	1,603	1,051	552	200	0	1,370	3	.03	.00
3	1,198.44	205.5	-0.4	1,583	1,054	529	200	0	1,573	3	.03	.00
4	1,198.48	205.6	+0.1	1,559	1,061	498	200	0	1,297	3	.04	.01
5	1,198.62	206.0	+0.4	1,474	1,024	450	200	0	1,059	7	.08	.00
6	1,198.48	205.6	-0.4	1,538	1,072	466	200	0	1,539	7	.08	.00
7	1,198.49	205.7	+0.0	1,424	1,057	367	200	0	1,204	5	.06	.00
8	1,198.53	205.8	+0.1	1,442	1,063	379	200	0	1,179	4	.05	.00
9	1,198.59	205.9	+0.2	1,433	1,089	344	200	0	1,140	4	.05	.00
10	1,198.57	205.9	-0.1	1,416	1,059	357	200	0	1,242	4	.05	.00
11	1,198.49	205.7	-0.2	1,406	1,062	344	200	0	1,318	6	.07	.00
12	1,198.48	205.6	+0.0	1,383	1,047	336	200	0	1,194	4	.05	.00
13	1,198.57	205.9	+0.3	1,491	1,087	404	200	0	1,157	0	.00	.47
14	1,198.55	205.8	-0.1	1,364	1,063	301	200	0	1,194	0	.00	.06
15	1,198.75	206.4	+0.6	1,729	1,042	687	200	0	1,232	0	.00	.03
16	1,198.82	206.6	+0.2	1,996	1,074	922	200	0	1,692	0	.00	1.84
17	1,198.45	205.5	-1.1	1,693	1,064	629	200	0	2,043	0	.00	.00
18	1,198.49	205.7	+0.1	1,729	1,190	539	200	0	1,470	0	.00	.04
19	1,198.24	204.9	-0.7	2,286	1,722	564	200	0	2,458	0	.00	.15
20	1,198.24	204.9	+0.0	2,291	1,765	526	200	0	2,088	3	.04	.00
21	1,198.44	205.5	+0.6	2,201	1,761	440	200	0	1,698	6	.07	.00
22	1,198.23	204.9	-0.6	2,106	1,684	422	200	0	2,214	4	.05	.00
23	1,197.84	203.7	-1.1	2,081	1,639	442	200	0	2,453	5	.06	.00
24	1,197.13	201.7	-2.1	2,107	1,662	445	200	0	2,947	6	.07	.00
25	1,197.52	202.8	+1.1	2,033	1,679	354	200	0	1,252	7	.08	.00
26	1,197.48	202.7	-0.1	1,159	841	318	200	0	1,011	7	.08	.00
27	1,197.51	202.8	+0.1	1,091	824	267	200	0	842	5	.06	.00
28	1,197.28	202.1	-0.7	1,128	842	286	200	0	1,263	4	.05	.00
TOTALS			-3.3	46,375	33,578	12,797	5,600	0	42,378	99	1.17	2.60
ACRE-FEET			-3.3	91,985	66,602	25,383	11,108	0	84,057	196		

* 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	84,057	OUTLET	11,108	THIS MONTH	2.60
SPILL	0	TOTAL	95,165	JULY 1, 2002 TO DATE	53.46

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

Table 6

FEBRUARY 2003

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: March 13, 2003

DAY	ELEV	STORAGE ACRE-FEET		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			JUDGE FRANCIS CARR POWERPLANT	EVAPORATION (2)	
		IN LAKE	CHANGE		POWER	RIVER OUTLETS (1)	SPILL		C.F.S.	INCHES
		13,971								
1	1,901.02	13,926	-45	1,357	80	125	175	1,000	0	.01
2	1,901.18	14,046	+120	1,413	80	45	175	1,051	2	.10
3	1,901.57	14,337	+291	1,502	80	45	175	1,054	1	.03
4	1,901.20	14,061	-276	1,223	80	45	175	1,061	1	.03
5	1,901.14	14,016	-45	1,301	80	45	175	1,024	0	.00
6	1,901.61	14,367	+351	1,551	80	45	175	1,072	2	.10
7	1,901.30	14,135	-232	1,242	80	45	175	1,057	2	.10
8	1,901.14	14,016	-119	1,303	80	45	175	1,063	0	.00
9	1,901.07	13,963	-53	1,362	80	45	175	1,089	0	.00
10	1,900.84	13,793	-170	1,273	80	45	175	1,059	0	.16
11	1,901.32	14,150	+357	1,543	80	45	175	1,062	1	.05
12	1,901.23	14,083	-67	1,315	80	45	175	1,047	2	.09
13	1,901.26	14,105	+22	1,398	80	45	175	1,087	0	.02
14	1,901.22	14,076	-29	1,348	80	45	175	1,063	0	.01
15	1,901.37	14,188	+112	1,398	40	45	215	1,042	0	.08
16	1,901.44	14,240	+52	1,401	0	45	255	1,074	1	.05
17	1,901.46	14,255	+15	1,372	0	45	255	1,064	0	.09
18	1,901.15	14,023	-232	1,375	50	45	205	1,190	2	.10
19	1,901.06	13,956	-67	1,988	80	45	175	1,722	0	.01
20	1,900.76	13,734	-222	1,955	80	45	175	1,765	2	.08
21	1,900.94	13,867	+133	2,129	80	45	175	1,761	1	.05
22	1,901.57	14,337	+470	2,222	80	45	175	1,684	1	.06
23	1,901.46	14,255	-82	1,900	80	45	175	1,639	2	.10
24	1,901.65	14,397	+142	2,035	80	45	175	1,662	1	.06
25	1,901.20	14,061	-336	1,812	80	45	175	1,679	2	.08
26	1,901.23	14,083	+22	1,154	80	45	175	841	2	.11
27	1,901.16	14,031	-52	1,099	80	45	175	824	1	.04
28	1,901.24	14,091	+60	1,174	80	45	175	842	2	.07
TOTALS			+120	42,145	2,010	1,340	5,130	33,578	28	1.68
ACRE-FEET			+120	83,595	3,987	2,658	10,175	66,602	56	

* 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	3,987	JUDGE FRANCIS CARR POWERPLANT	66,602
TOTAL RIVER	16,820	TOTAL RELEASE	83,422

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

Table 7

FEBRUARY 2003

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: March 13, 2003

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.		— SPRING CR DEBRIS DAM —			**KES COPPER MG/L
		IN LAKE	CHANGE		SPILL	OUTLET	TIME	COPPER	ZINC	
			979							
1	715.74	1,039	+60	30	0	0				
2	717.31	1,092	+53	27	0	0				
3	718.72	1,140	+48	24	0	0				
4	719.99	1,186	+46	23	0	0				
5	721.06	1,224	+38	19	0	0				
6	722.06	1,261	+37	19	0	0				
7	722.66	1,283	+22	16	0	5				
8	722.88	1,292	+9	15	0	10				
9	723.07	1,299	+7	14	0	10				
10	723.21	1,304	+5	13	0	10				
11	720.07	1,189	-115	1	0	59				
12	713.07	953	-236	-19	0	100				
13	706.18	755	-198	-29	0	71				
14	708.21	811	+56	28	0	0				
15	712.72	943	+132	67	0	0				
16	718.24	1,123	+180	91	0	0				
17	720.65	1,209	+86	43	0	0				
18	722.40	1,274	+65	33	0	0				
19	721.94	1,257	-17	20	0	29				
20	719.68	1,174	-83	8	0	50				
21	717.70	1,105	-69	7	0	42				
22	716.71	1,071	-34	13	0	30				
23	715.61	1,035	-36	12	0	30				
24	714.39	995	-40	10	0	30				
25	713.02	952	-43	8	0	30				
26	709.63	851	-101	-10	0	41				
27	707.67	796	-55	-3	0	25				
28	709.55	848	+52	26	0	0				
TOTALS			-131	506	0	572				
ACRE-FEET			-131	1,004	0	1,135				

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)	
SPILL	0
OUTLET	1,135
TOTAL	1,135

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

Table 8

FEBRUARY 2003

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: March 13, 2003

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)
		20,710								
1	583.83	21,787	+1,077	12,389	1,249	11,061	11,761	0	85	0
2	583.38	21,514	-273	10,081	1,370	8,475	10,133	0	85	1
3	580.82	19,996	-1,518	7,888	1,573	6,205	8,567	0	85	1
4	581.30	20,276	+280	7,598	1,297	6,170	7,369	0	85	3
5	583.64	21,671	+1,395	7,210	1,059	6,002	6,419	0	85	3
6	583.67	21,690	+19	6,048	1,539	4,383	5,949	0	85	4
7	583.40	21,526	-164	5,935	1,204	4,610	5,932	0	85	1
8	584.04	21,915	+389	6,221	1,179	4,879	5,938	0	85	2
9	584.23	22,032	+117	6,089	1,140	4,816	5,943	0	85	2
10	583.53	21,605	-427	6,069	1,242	4,822	6,198	0	85	1
11	585.03	22,526	+921	12,111	1,318	10,854	11,560	0	85	2
12	585.06	22,545	+19	11,970	1,194	10,726	11,873	0	85	2
13	585.07	22,551	+6	11,954	1,157	10,853	11,865	0	85	1
14	582.52	20,996	-1,555	11,197	1,194	10,131	11,896	0	85	0
15	582.94	21,247	+251	12,124	1,232	10,893	11,912	0	85	0
16	584.34	22,100	+853	11,089	1,692	9,144	10,574	0	85	0
17	584.16	21,989	-111	9,133	2,043	6,938	9,104	0	85	0
18	578.84	18,874	-3,115	8,981	1,470	7,667	10,465	0	85	1
19	582.25	20,835	+1,961	14,001	2,458	11,529	12,927	0	85	0
20	584.40	22,137	+1,302	13,186	2,088	11,057	12,445	0	85	0
21	583.57	21,629	-508	12,196	1,698	10,595	12,366	0	85	1
22	582.82	21,176	-453	10,698	2,214	8,484	10,840	0	85	1
23	581.15	20,188	-988	10,196	2,453	7,554	10,607	0	85	2
24	584.11	21,958	+1,770	11,611	2,947	8,575	10,632	0	85	2
25	582.93	21,241	-717	9,066	1,252	7,689	9,341	0	85	1
26	584.18	22,001	+760	8,433	1,011	7,233	7,962	0	85	3
27	585.62	22,896	+895	7,482	842	6,353	6,946	0	85	0
28	584.53	22,217	-679	5,795	1,263	4,306	6,050	0	85	2
TOTALS			+1,507	266,751	42,378	222,004	263,574	0	2,380	36
ACRE-FEET			+1,507	529,101	84,057	440,345	522,799	0	4,721	71

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

SUMMARY
 RELEASE (ACRE-FEET)

POWER	522,799
SPILL	0
FISH TRAP	4,721

FEBRUARY 2003 **RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS** RUN DATE: March 13, 2003

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		718				
1	241.43	675	-43	0	0	16,319
2	241.21	641	-34	0	0	15,894
3	240.43	529	-112	0	0	13,545
4	240.05	477	-52	0	0	10,200
5	239.72	436	-41	0	0	9,050
6	239.80	446	+10	16	0	10,645
7	239.74	439	-7	17	0	10,874
8	239.79	445	+6	0	0	10,643
9	239.79	445	+0	0	0	10,411
10	239.72	436	-9	0	0	10,306
11	239.99	469	+33	20	0	9,414
12	240.53	543	+74	23	0	14,795
13	240.47	535	-8	23	0	14,816
14	240.87	590	+55	31	0	15,113
15	240.95	601	+11	0	0	14,985
16	240.96	602	+1	0	0	17,674
17	241.95	755	+153	0	0	19,842
18	240.56	547	-208	0	0	15,530
19	240.56	547	+0	0	0	15,941
20	241.70	717	+170	0	0	16,374
21	241.63	706	-11	0	170	16,569
22	240.95	601	-105	0	170	14,973
23	240.39	524	-77	0	164	13,861
24	240.30	511	-13	0	167	13,109
25	240.27	507	-4	0	35	13,364
26	239.90	458	-49	0	0	10,443
27	239.41	399	-59	0	0	8,962
28	239.02	352	-47	0	60	7,892
TOTALS			-366	130	766	371,544
ACRE-FEET			-366	258	1,519	736,958

SUMMARY
 RELEASE (ACRE-FEET)

CORNING CANAL	258
TEHAMA-COLUSA CANAL	1,519
TO SACTO RIVER	736,958
TOTAL	738,735

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

FEBRUARY 2003

Date	Midnight Elev (ft)	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)
					Total (sfd)	River (sfd)	[1] (sfd)	[2] (sfd)					
1	446.33	44736	776	1143	746	746	0	0	11	0.08	0	88013	30400
2	446.71	45613	877	1099	644	644	0	0	26	0.19	0	87430	31400
3	447.06	46431	818	983	561	561	0	0	20	0.15	0	87318	32700
4	447.24	46855	424	676	447	447	0	0	30	0.22	0	87240	34400
5	447.54	47568	713	667	294	294	0	0	26	0.19	0	87220	36200
6	447.79	48166	598	484	170	170	0	0	25	0.18	0	87178	38000
7	448.36	49548	1382	784	75	75	0	0	24	0.17	0	87111	39800
8	448.81	50657	1109	616	47	47	0	0	19	0.13	0	87012	41700
9	449.25	51755	1098	598	39	39	0	0	10	0.07	0	86878	43600
10	449.68	52845	1090	595	38	38	0	0	15	0.1	0	86622	45500
11	450.1	53924	1079	588	37	37	0	0	14	0.09	0	86453	47400
12	450.55	55096	1172	629	38	38	0	0	0	0	0.89	86475	47800
13	451.28	57035	1939	1017	38	38	0	0	3	0.02	0.06	86717	48400
14	452.01	59023	1988	1045	38	38	0	0	10	0.06	0	86195	49500
15	452.7	60946	1923	1010	38	38	0	0	5	0.03	0.44	85518	50100
16	453.49	63202	2256	1186	38	38	0	0	22	0.13	0	86303	51000
17	454.01	64718	1516	812	38	38	0	0	20	0.12	0	86704	52800
18	454.48	66110	1392	742	38	38	0	0	5	0.03	0.03	86874	54500
19	454.92	67430	1320	706	38	38	0	0	5	0.03	0.03	86977	56300
20	455.33	68676	1246	685	38	38	0	0	37	0.21	0	87055	58200
21	455.73	69905	1229	665	38	38	0	0	14	0.08	0	87019	59600
22	456.1	71055	1150	635	38	38	0	0	34	0.19	0	87052	61500
23	456.43	72090	1035	566	37	37	0	0	15	0.08	0	87287	63500
24	456.71	72975	885	487	35	35	0	0	11	0.06	0	87602	65300
25	456.97	73803	828	474	35	35	0	0	43	0.23	0	87816	67300
26	457.19	74508	705	396	36	36	0	0	9	0.05	0.05	88305	69400
27	457.33	74958	450	273	35	35	0	0	22	0.12	0	88746	71200
28	457.46	75378	420	257	36	36	0	0	19	0.1	0	89349	73400
Totals	(sfd)			19818	3730	3730	0	0					
Totals	(ac-ft)		31418	39309	7398.5	7398.5			494				
Totals	(inches)									3.11	1.5		

[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

FEBRUARY 2003

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: March 13, 2003

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	
		601.0									
1	428.37	599.2	-1.9	3,168	4,018	0	0	75	9	.03	.00
2	428.17	597.4	-1.8	3,225	4,019	0	0	90	6	.02	.00
3	428.03	596.2	-1.2	3,532	4,030	0	0	96	29	.10	.00
4	427.88	594.9	-1.3	3,609	4,150	0	0	107	15	.05	.00
5	427.89	595.0	+0.1	4,331	4,146	0	0	94	47	.16	.00
6	427.74	593.7	-1.3	3,536	4,056	0	0	94	47	.16	.00
7	427.51	591.6	-2.0	3,292	4,167	0	0	102	38	.13	.00
8	427.15	588.5	-3.2	2,768	4,209	0	0	118	29	.10	.00
9	426.84	585.8	-2.7	2,977	4,191	0	0	119	29	.10	.00
10	426.49	582.8	-3.0	3,914	5,296	0	0	117	32	.11	.00
11	426.06	579.0	-3.7	3,690	5,432	0	0	114	26	.09	.00
12	425.54	574.5	-4.5	3,257	5,403	0	1	95	17	.06	.00
13	425.07	570.5	-4.0	3,501	5,434	0	0	96	11	.04	.42
14	424.60	566.5	-4.0	3,480	5,402	0	0	91	11	.04	.42
15	423.95	560.9	-5.5	2,676	5,374	0	0	86	11	.04	.00
16	423.60	558.0	-3.0	4,016	5,392	0	0	93	23	.08	.70
17	423.15	554.2	-3.8	3,550	5,351	0	0	94	23	.08	.00
18	422.83	551.5	-2.7	3,847	5,100	0	0	88	17	.06	.00
19	422.48	548.5	-2.9	3,698	5,080	0	0	80	17	.06	.00
20	422.08	545.2	-3.4	3,013	4,590	0	0	96	17	.06	.00
21	421.67	541.8	-3.4	2,278	3,860	0	0	113	25	.09	.00
22	421.37	539.3	-2.5	2,382	3,512	0	0	104	22	.08	.00
23	421.14	537.4	-1.9	2,778	3,615	0	0	104	22	.08	.00
24	420.89	535.3	-2.1	2,675	3,588	0	0	102	28	.10	.00
25	420.80	534.6	-0.7	3,356	3,639	0	2	89	0	.00	.06
26	420.60	532.9	-1.6	2,613	3,326	0	0	95	22	.08	.00
27	420.54	532.4	-0.5	2,824	2,999	0	0	49	25	.09	.00
28	420.41	531.4	-1.1	2,359	2,802	0	0	82	14	.05	.00
TOTALS			-69.6	90,345	122,181	0	3	2,683	612	2.14	1.60
ACRE-Feet			-69,600	179,199	242,346	0	6	5,322	1,214		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	242,346	OUTLET	6	THIS MONTH =	1.60
SPILL	0	TOTAL	247,674	JULY 1, 2002 TO DATE =	12.32
PUMPING PLANT	5,322				

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

Table 12

FEBRUARY 2003

LAKE NATOMA DAILY OPERATIONS

RUN DATE: March 13, 2003

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		ACRE-FEET IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
1	123.98	8,316		3,996	40	3,928	0	60	0
2	123.85	8,252	-64	4,003	40	3,934	0	60	0
3	123.66	8,101	-90	3,964	40	3,908	0	60	1
4	123.82	8,176	+75	4,072	40	3,933	0	60	1
5	124.00	8,261	+85	4,075	40	3,930	0	60	2
6	123.96	8,242	-19	4,015	40	3,923	0	60	2
7	123.94	8,233	-9	4,035	40	3,938	0	60	2
8	124.12	8,321	+88	4,091	40	3,946	0	60	1
9	124.31	8,416	+95	4,085	40	3,936	0	60	1
10	124.65	8,586	+170	5,305	40	4,942	176	60	1
11	124.51	8,516	-70	5,509	40	4,918	525	60	1
12	124.38	8,451	-65	5,497	40	4,903	526	60	1
13	124.47	8,496	+45	5,563	40	4,915	524	60	1
14	124.31	8,416	-80	5,489	40	4,904	524	60	1
15	124.01	8,266	-150	5,455	40	4,909	521	60	1
16	124.25	8,386	+120	5,599	40	4,917	521	60	1
17	123.85	8,191	-195	5,466	40	4,944	519	60	1
18	123.24	7,904	-287	5,222	40	4,954	312	60	1
19	124.15	8,336	+432	5,099	40	4,780	0	60	1
20	124.45	8,486	+150	4,589	40	4,412	0	60	1
21	123.71	8,125	-361	3,832	40	3,913	0	60	1
22	123.22	7,894	-231	3,427	40	3,442	0	60	1
23	123.03	7,805	-89	3,492	43	3,433	0	60	1
24	122.67	7,643	-162	3,453	45	3,429	0	60	1
25	122.52	7,575	-68	3,506	45	3,435	0	60	0
26	122.60	7,611	+36	3,175	42	3,054	0	60	1
27	123.58	8,064	+453	2,869	29	2,551	0	60	1
28	124.51	8,516	+452	2,726	0	2,437	0	60	1
TOTALS			+200	121,609	1,084	114,568	4,148	1,680	28
ACRE-FEET			+200	241,211	2,150	227,246	8,228	3,332	56

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	227,246	FOLSOM SOUTH CANAL	2,150	TOTAL	240,956
SPILL	8,228	HATCHERY	3,332		

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

FEBRUARY 2003

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: March 12, 2004

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	
		1,405.3								
1	992.76	1,405.6	+0.4	1,032	844	0	0	9	.03	.01
2	992.92	1,407.0	+1.4	1,064	339	0	0	6	.02	.01
3	993.07	1,408.4	+1.3	1,004	314	0	0	14	.05	.00
4	993.28	1,410.3	+1.9	1,023	49	0	0	26	.09	.00
5	993.22	1,409.7	-0.5	958	1,209	0	0	20	.07	.00
6	993.34	1,410.8	+1.1	932	371	0	0	20	.07	.00
7	993.54	1,412.6	+1.8	971	48	0	0	20	.07	.00
8	993.47	1,412.0	-0.6	836	1,114	0	0	38	.13	.00
9	993.62	1,413.3	+1.3	742	48	0	0	17	.06	.00
10	993.60	1,413.1	-0.2	984	1,051	0	0	23	.08	.00
11	993.54	1,412.6	-0.5	833	1,069	0	0	35	.12	.00
12	993.72	1,414.2	+1.6	1,171	341	0	0	17	.06	.00
13	994.00	1,416.7	+2.5	1,348	55	0	0	29	.10	.68
14	994.02	1,416.9	+0.2	1,018	912	0	0	15	.05	.07
15	993.99	1,416.6	-0.3	723	839	0	0	20	.07	.00
16	994.21	1,418.6	+2.0	1,081	75	0	0	9	.03	.60
17	994.35	1,419.9	+1.3	718	64	0	0	20	.07	.00
18	994.21	1,418.6	-1.3	798	1,403	0	0	29	.10	.00
19	994.40	1,420.3	+1.7	931	53	0	0	17	.06	.01
20	994.40	1,420.3	+0.0	900	900	0	0	0	.00	.19
21	994.53	1,421.5	+1.2	749	143	0	0	17	.06	.01
22	994.42	1,420.5	-1.0	762	1,232	0	0	29	.10	.00
23	994.45	1,420.7	+0.3	724	573	0	0	15	.05	.01
24	994.50	1,421.2	+0.5	829	579	0	0	23	.08	.00
25	994.77	1,423.6	+2.4	1,288	49	0	0	15	.05	.18
26	995.04	1,426.1	+2.4	1,301	48	0	0	29	.10	.00
27	995.02	1,425.9	-0.2	1,223	1,305	0	0	9	.03	.08
28	995.12	1,426.8	+0.9	1,000	528	0	0	17	.06	.06
TOTALS			+21.6	26,943	15,555	0	0	538	1.86	1.91
ACRE-FEET			+21,600	53,441	30,853	0	0	1,067		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)				PRECIPITATION
POWER	30,853	OUTLET	0		THIS MONTH = 1.91
SPILL	0	TOTAL	30,853		JULY 1, 2002 TO DATE = 15.59

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

FEBRUARY 2003

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: September 14, 2004

DAY	ELEV	STORAGE		TULLOCH	RIVER		RELEASE - C.F.S.		
		ACRE-FEET	CHANGE		RES.	RELEASE	OUTLET	SPILL	JOINT
								CANALS	
								MAIN	MAIN
		550							
1	360.19	550	+0	467	0	493	3	0	
2	360.19	550	+0	466	0	491	4	0	
3	360.19	550	+0	508	0	492	3	0	
4	360.19	550	+0	507	0	492	3	0	
5	360.22	552	+2	531	0	523	3	0	
6	360.22	552	+0	571	0	580	12	0	
7	360.27	556	+4	587	0	582	16	0	
8	360.27	556	+0	585	0	584	16	0	
9	360.22	552	-4	582	0	585	13	0	
10	360.22	552	+0	581	0	592	8	0	
11	360.25	555	+3	583	0	599	5	0	
12	360.25	555	+0	561	0	592	4	0	
13	360.25	555	+0	552	0	587	3	0	
14	360.25	555	+0	549	0	587	3	0	
15	360.25	555	+0	551	0	588	3	0	
16	360.25	555	+0	551	0	590	2	0	
17	360.25	555	+0	550	0	584	2	0	
18	360.25	555	+0	555	0	590	2	0	
19	360.25	555	+0	554	0	590	2	0	
20	360.19	550	-5	534	0	569	2	0	
21	360.19	550	+0	507	0	538	5	0	
22	360.22	552	+2	511	0	544	5	0	
23	360.25	555	+3	511	0	542	5	0	
24	360.22	552	-3	509	0	541	2	0	
25	360.22	552	+0	506	0	537	2	0	
26	360.22	552	+0	491	0	515	2	0	
27	360.22	552	+0	480	0	497	5	0	
28	360.22	552	+0	476	0	490	4	0	
TOTALS			+2	14,916	0	15,494	139	0	
ACRE-FEET			+2	29,586	0	30,732	276	0	

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	276	OUTLET	0
SOUTH MAIN CANAL	0	SPILL	30,732
		TOTAL	31,008

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

FEBRUARY 2003

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: March 12, 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			
		360.8									
1	542.19	361.6	+0.8	1,218	0	697	0	106	13	.10	
2	542.85	364.2	+2.6	1,894	0	454	0	106	9	.07	
3	542.88	364.3	+0.1	448	0	281	0	106	1	.01	
4	543.73	367.8	+3.4	2,234	0	407	0	106	4	.03	
5	543.99	368.8	+1.0	1,134	0	496	0	106	7	.05	
6	544.29	370.0	+1.2	1,225	0	496	0	106	13	.10	
7	544.69	371.6	+1.6	1,412	0	470	0	106	22	.17	
8	544.95	372.7	+1.0	1,088	0	452	0	106	1	.01	
9	545.31	374.1	+1.5	1,341	0	487	0	106	11	.08	
10	545.74	375.9	+1.7	1,500	0	504	0	106	9	.07	
11	546.06	377.2	+1.3	1,205	0	428	0	106	15	.11	
12	546.52	379.1	+1.9	1,456	0	387	0	106	15	.11	
13	547.14	381.6	+2.5	1,799	0	397	0	106	16	.12	
14	547.75	384.1	+2.5	1,778	0	397	0	102	13	.10	
15	548.16	385.8	+1.7	1,351	0	397	0	100	1	.01	
16	548.62	387.7	+1.9	1,541	0	456	0	100	25	.19	
17	548.92	388.9	+1.2	1,231	0	498	0	101	5	.04	
18	549.07	389.6	+0.6	946	0	528	0	101	3	.02	
19	549.37	390.8	+1.3	1,328	0	581	0	101	15	.11	
20	549.93	393.2	+2.3	1,886	0	603	0	101	5	.04	
21	550.31	394.7	+1.6	1,447	0	544	0	101	1	.01	
22	550.79	396.8	+2.0	1,629	0	501	0	101	15	.11	
23	551.19	398.4	+1.7	1,389	0	432	0	101	10	.07	
24	551.61	400.2	+1.8	1,392	0	397	0	101	3	.02	
25	552.26	402.9	+2.7	1,899	0	397	0	101	18	.13	
26	552.72	404.9	+1.9	1,489	0	397	0	101	8	.06	
27	553.24	407.1	+2.2	1,569	0	339	0	101	15	.11	
28	554.03	410.5	+3.4	2,117	0	300	0	101	17	.12	
TOTALS			+49.7	40,946	0	12,723	0	2,892	290	2.17	1.90
ACRE-Feet			+49,665	81,216	0	25,236	0	5,736	575		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-Feet)				PRECIPITATION	
CANALS		RIVER			
FRIANT-KERN	MADERA	AT FRIANT	TOTAL RELEASES	THIS MONTH =	JULY 1, 2002 TO DATE =
25,236	0	5,736	30,972	1.90	7.43

Table 16

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

February 2003

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport -prev day-	SRTP -prev wk-	Yolo + Misc -prev day-	East Side Streams -prev day-	S. Joaquin River@Vernalis -prev day-	7-day Average	Monthly Average	Total Delta Inflow		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
1-Feb-03	47,843	169	0	572	1,900	1,859	1,809	50,484	900	7,278	4,310	255	0	29	11,871	11,590	37,712	41,743	37,712	23.0%	22.1%	20.1%
2-Feb-03	44,904	169	0	572	1,809	1,874	1,816	47,454	900	7,299	4,297	256	0	27	11,878	11,593	34,676	40,447	36,194	24.4%	23.1%	21.0%
3-Feb-03	42,396	170	0	584	1,822	1,893	1,824	44,972	900	7,294	4,286	252	0	41	11,873	11,588	32,199	38,811	34,862	25.7%	24.3%	21.6%
4-Feb-03	40,244	169	0	565	1,842	1,905	1,828	42,820	900	7,060	4,275	252	0	39	11,625	11,504	30,295	36,798	33,721	26.5%	25.5%	22.1%
5-Feb-03	37,915	168	0	536	1,840	1,879	1,832	40,459	900	6,917	4,276	255	0	40	11,488	11,369	28,072	34,845	32,591	27.7%	26.6%	22.4%
6-Feb-03	35,387	167	0	515	1,849	1,846	1,837	37,918	900	7,144	4,279	253	0	40	11,717	11,317	25,302	32,575	31,376	30.1%	28.0%	22.9%
7-Feb-03	33,037	167	0	493	1,858	1,842	1,842	35,555	900	6,844	4,262	258	0	34	11,399	11,241	23,256	30,216	30,216	31.2%	29.6%	23.3%
8-Feb-03	30,861	166	0	481	1,871	1,853	1,847	33,379	900	7,246	4,306	259	0	26	11,836	11,361	20,643	27,777	29,019	34.6%	31.9%	24.2%
9-Feb-03	28,824	165	0	469	1,888	1,862	1,852	31,346	900	7,002	4,280	255	0	23	11,560	11,313	18,886	25,522	27,893	36.0%	33.8%	25.0%
10-Feb-03	27,183	164	0	460	1,887	1,869	1,855	29,694	850	7,112	4,286	255	0	24	11,676	11,410	17,168	23,374	26,821	38.4%	36.3%	26.2%
11-Feb-03	26,097	163	0	454	1,888	1,876	1,858	28,602	850	7,295	4,308	255	0	29	11,886	11,427	15,867	21,313	25,825	40.6%	38.2%	27.4%
12-Feb-03	25,794	163	0	447	1,888	1,882	1,862	28,292	850	7,190	4,326	255	0	23	11,794	11,505	15,648	19,538	24,977	40.7%	39.9%	28.9%
13-Feb-03	27,010	162	0	445	1,897	1,896	1,869	29,514	-1,889	7,240	4,342	256	0	26	11,863	11,567	19,540	18,715	24,559	39.2%	40.2%	30.4%
14-Feb-03	31,173	162	0	470	1,955	1,906	1,874	33,760	-1,889	491	3,820	257	0	23	4,591	9,137	31,057	19,830	25,023	12.8%	29.9%	24.9%
15-Feb-03	34,134	161	0	556	1,939	1,911	1,877	36,790	-1,889	484	3,604	259	0	22	4,369	6,660	34,310	21,782	25,642	11.1%	20.0%	18.6%
16-Feb-03	36,028	161	0	548	1,923	1,920	1,882	38,660	-1,889	7,274	4,191	259	0	23	11,747	6,621	28,801	23,198	25,839	29.7%	18.2%	18.9%
17-Feb-03	37,725	160	0	652	1,948	1,932	1,887	40,485	-4,627	7,282	4,344	259	0	23	11,908	9,060	33,204	25,489	26,273	28.7%	23.4%	26.0%
18-Feb-03	40,945	161	0	695	1,972	1,937	1,889	43,773	-1,889	7,269	4,333	260	0	30	11,892	11,564	33,770	28,047	26,689	26.5%	28.2%	33.2%
19-Feb-03	45,261	162	0	605	1,925	1,940	1,891	47,953	-1,889	7,298	4,353	259	0	33	11,944	11,626	37,898	31,226	27,279	24.3%	26.4%	32.8%
20-Feb-03	45,176	163	0	579	1,919	1,938	1,893	47,837	-2,345	7,215	4,287	259	0	29	11,790	11,585	38,392	33,919	27,835	24.0%	24.9%	32.1%
21-Feb-03	43,472	165	0	583	1,941	1,942	1,896	46,161	-2,295	7,189	4,289	259	0	33	11,770	11,544	36,685	34,723	28,256	24.9%	24.4%	31.3%
22-Feb-03	42,329	166	0	552	1,965	1,948	1,900	45,012	444	7,121	4,305	260	0	28	11,714	11,469	32,854	34,515	28,465	25.4%	24.8%	30.4%
23-Feb-03	41,105	167	0	531	1,964	1,947	1,901	43,767	444	7,295	4,325	256	0	29	11,906	11,508	31,418	34,889	28,594	26.6%	25.6%	29.8%
24-Feb-03	39,911	168	0	518	1,941	1,944	1,904	42,538	444	7,296	4,339	259	0	28	11,922	11,561	30,173	34,456	28,659	27.4%	26.4%	29.3%
25-Feb-03	38,640	168	0	511	1,953	1,955	1,907	41,272	900	7,290	4,358	258	0	35	11,941	11,634	28,431	33,693	28,650	28.2%	27.4%	28.8%
26-Feb-03	37,163	167	0	514	2,001	1,971	1,912	39,845	672	3,997	4,365	258	0	33	8,653	10,548	30,521	32,639	28,722	21.0%	25.6%	25.6%
27-Feb-03	35,276	167	0	507	2,030	1,986	1,917	37,980	672	2,984	4,364	258	0	31	7,638	9,119	29,671	31,393	28,757	19.3%	23.0%	21.8%
28-Feb-03	32,930	167	0	505	2,045	1,995	1,921	35,647	444	5,360	4,337	257	0	30	9,984	8,469	25,219	29,755	28,631	27.2%	22.4%	20.2%
Total	1,028,763	4,627	0	14,919	53,660	53,506	52,381	1,101,969	-5,931	178,766	119,447	7,190	0	831	306,234	300,893	801,666	841,231	809,080	775.1%	770.1%	719.1%
Average	36,742	165	0	533	1,916	1,911	1,871	39,356	-212	6,385	4,266	257	0	30	10,937	10,746	28,631	30,044	28,631	27.7%	27.5%	25.7%

FEBRUARY 2003

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

RUN DATE: March 13, 2003

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	
		1,437,576									
1	494.90	1,449,559	+11,983	6,073	0	25	0	-7	7	.02	.00
2	496.36	1,466,119	+16,560	8,391	0	24	0	-18	18	.05	.00
3	497.33	1,477,156	+11,037	5,665	0	26	0	-74	74	.20	.00
4	498.62	1,491,877	+14,721	7,477	0	25	0	-30	30	.08	.00
5	499.80	1,505,387	+13,510	7,305	0	30	0	-464	30	.08	.00
6	500.83	1,517,213	+11,826	6,465	0	116	0	-386	37	.10	.00
7	501.78	1,528,149	+10,936	6,005	0	71	0	-421	34	.09	.00
8	502.78	1,539,689	+11,540	6,332	0	49	0	-465	34	.09	.00
9	504.18	1,555,894	+16,205	8,697	0	48	0	-479	49	.13	.00
10	505.02	1,565,645	+9,751	5,038	0	51	0	-71	71	.19	.00
11	506.04	1,577,514	+11,869	6,060	0	51	0	-25	30	.08	.00
12	506.58	1,583,809	+6,295	3,218	0	44	0	+0	0	.00	.08
13	507.50	1,594,555	+10,746	5,475	0	42	0	-15	15	.04	.20
14	508.13	1,601,928	+7,373	3,800	0	41	0	-42	42	.11	.00
15	508.28	1,603,685	+1,757	912	0	42	0	+16	45	.12	.00
16	509.38	1,616,591	+12,906	7,233	0	40	0	-686	34	.09	.09
17	510.37	1,628,237	+11,646	6,337	0	41	0	-425	34	.09	.00
18	511.41	1,640,501	+12,264	6,012	0	50	0	+221	23	.06	.00
19	512.48	1,653,153	+12,652	6,457	0	40	0	-38	38	.10	.00
20	513.54	1,665,719	+12,566	6,394	0	31	0	-27	27	.07	.05
21	514.43	1,676,295	+10,576	5,403	0	33	0	-38	38	.10	.00
22	515.57	1,689,875	+13,580	6,908	0	35	0	-27	27	.07	.00
23	516.84	1,705,048	+15,173	7,729	0	33	0	-46	46	.12	.00
24	517.31	1,710,676	+5,628	2,906	0	34	0	-35	35	.09	.00
25	518.20	1,721,349	+10,673	5,445	0	29	0	-35	35	.09	.81
26	518.79	1,728,437	+7,088	3,876	0	37	0	-266	51	.13	.01
27	519.19	1,733,248	+4,811	2,762	0	63	0	-273	43	.11	.08
28	519.70	1,739,389	+6,141	3,566	0	16	0	-454	35	.09	.00
TOTALS			+301,813	157,941	0	1,167	0	-4,610	982	2.59	1.32
ACRE-FEET			+301,813	313,276	0	2,315	0	-9,144	1,948		

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	0	SPILL	0	THIS MONTH =	1.32
PACHECO TUNNEL	2,315	TOTAL	2,315	JULY 1, 2002 TO DATE =	6.99

FEBRUARY 2003

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

RUN DATE: March 13, 2003

DAY	ELEV	STORAGE		INFLOW - C.F.S.			RELEASE - C.F.S.			* DELIV.	GAINS(+) OR LOSS(-) C.F.S.
		ACRE-FEET IN LAKE	CHANGE	O'NEILL PUMPING	S. LUIS GEN.	CALIF. AQUEDUCT	O'NEILL GEN.	S. LUIS PUMPING	DOS AMIGOS PUMPING		
		45,944									
1	221.81	47,887	+1,943	3,470	0	6,588	0	6,073	3,037		+32
2	220.64	44,818	-3,069	3,429	0	6,981	0	8,391	3,729		+162
3	221.66	47,493	+2,675	3,212	0	6,458	0	5,665	3,025		+369
4	221.48	47,020	-473	3,080	0	6,762	0	7,477	2,886		+282
5	220.99	45,734	-1,286	3,082	0	6,252	0	7,305	3,378		+700
6	221.18	46,233	+499	3,048	0	6,724	0	6,465	3,610		+555
7	221.58	47,283	+1,050	2,875	0	6,978	0	6,005	3,955		+637
8	221.34	46,653	-630	2,677	0	6,897	0	6,332	4,137		+577
9	219.70	42,376	-4,277	2,646	0	6,816	0	8,697	3,377		+456
10	220.60	44,714	+2,338	2,576	0	6,424	0	5,038	3,314		+531
11	220.50	44,453	-261	2,398	0	6,466	0	6,060	3,629		+694
12	222.73	50,326	+5,873	2,393	0	6,604	0	3,218	3,282		+463
13	223.50	52,384	+2,058	2,348	0	6,363	0	5,475	2,354		+155
14	221.72	47,651	-4,733	2,107	0	850	0	3,800	1,620		+77
15	220.77	45,158	-2,493	1,529	0	178	0	912	2,209		+157
16	220.08	43,360	-1,798	1,495	0	6,115	0	7,233	2,175		+891
17	220.87	45,420	+2,060	1,797	0	6,734	0	6,337	1,946		+791
18	221.49	47,046	+1,626	1,643	0	6,832	0	6,012	2,317		+675
19	221.21	46,311	-735	1,549	0	6,382	0	6,457	2,152		+308
20	221.28	46,495	+184	1,399	0	6,678	0	6,394	1,872		+282
21	221.75	47,730	+1,235	1,252	0	6,601	0	5,403	1,995		+167
22	221.08	45,970	-1,760	1,244	0	6,649	0	6,908	2,305		+433
23	219.23	41,170	-4,800	1,446	0	6,577	0	7,729	2,756		+41
24	222.15	48,783	+7,613	1,528	0	6,588	0	2,906	2,117		+746
25	222.20	48,916	+133	1,633	0	6,338	0	5,445	2,773		+314
26	221.99	48,360	-556	1,804	0	3,484	0	3,876	2,022		+330
27	221.23	46,364	-1,996	1,980	0	2,887	0	2,762	3,539		+427
28	220.64	44,818	-1,546	1,995	0	4,010	0	3,566	3,614		+396
TOTALS			-1,126	61,635	0	163,216	0	157,941	79,125		+11,648
ACRE-FEET			-1,126	122,253	0	323,739	0	313,276	156,944	0	23,104

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

**SUMMARY
RELEASE (ACRE-FEET)**

O'NEILL GEN.	0	DOS AMIGOS PUMP	156,944
SAN LUIS PUMP	313,276	DELIVERIES	0
		TOTAL	470,220

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

Table 19

FEBRUARY 2003

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: March 13, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	PUMPING	GENER	GENER	PUMPING	GENERATION	GENERATION	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	13,067	0	13,067	6,882	0	6,882	0	6,894	5,152	12,046	0	0	0	49	2,801	3,223	6,024
2	13,846	0	13,846	6,802	0	6,802	0	9,330	7,313	16,643	0	0	0	47	2,873	4,523	7,396
3	12,809	0	12,809	6,371	0	6,371	0	8,733	2,503	11,236	0	0	0	52	2,854	3,146	6,000
4	13,413	0	13,413	6,109	0	6,109	0	8,634	6,197	14,831	0	0	0	50	3,495	2,229	5,724
5	12,400	0	12,400	6,114	0	6,114	0	7,749	6,740	14,489	0	0	0	59	3,535	3,165	6,700
6	13,338	0	13,338	6,045	0	6,045	0	6,481	6,342	12,823	0	0	0	231	3,523	3,638	7,161
7	13,840	0	13,840	5,703	0	5,703	0	2,883	9,028	11,911	0	0	0	140	3,552	4,293	7,845
8	13,681	0	13,681	5,310	0	5,310	0	3,495	9,065	12,560	0	0	0	97	3,554	4,652	8,206
9	13,520	0	13,520	5,249	0	5,249	0	9,199	8,052	17,251	0	0	0	96	3,513	3,186	6,699
10	12,742	0	12,742	5,109	0	5,109	0	3,891	6,102	9,993	0	0	0	101	3,529	3,045	6,574
11	12,826	0	12,826	4,756	0	4,756	0	1,383	10,638	12,021	0	0	0	102	3,490	3,709	7,199
12	13,099	0	13,099	4,746	0	4,746	0	2,539	3,843	6,382	0	0	0	87	3,524	2,985	6,509
13	12,622	0	12,622	4,658	0	4,658	0	1,337	9,523	10,860	0	0	0	84	3,571	1,098	4,669
14	1,685	0	1,685	4,180	0	4,180	0	1,424	6,113	7,537	0	0	0	81	2,758	455	3,213
15	353	0	353	3,032	0	3,032	0	1,178	630	1,808	0	0	0	83	3,564	817	4,381
16	12,130	0	12,130	2,965	0	2,965	0	3,908	10,438	14,346	0	0	0	80	3,548	767	4,315
17	13,356	0	13,356	3,565	0	3,565	0	3,207	9,363	12,570	0	0	0	81	3,551	308	3,859
18	13,551	0	13,551	3,258	0	3,258	0	3,170	8,755	11,925	0	0	0	100	3,589	1,007	4,596
19	12,658	0	12,658	3,073	0	3,073	0	2,969	9,838	12,807	0	0	0	80	3,519	750	4,269
20	13,246	0	13,246	2,774	0	2,774	0	0	12,682	12,682	0	0	0	62	3,488	226	3,714
21	13,093	0	13,093	2,484	0	2,484	0	0	10,716	10,716	0	0	0	65	2,792	1,165	3,957
22	13,189	0	13,189	2,467	0	2,467	0	0	13,703	13,703	0	0	0	69	2,794	1,778	4,572
23	13,045	0	13,045	2,869	0	2,869	0	0	15,330	15,330	0	0	0	66	2,759	2,707	5,466
24	13,067	0	13,067	3,030	0	3,030	0	0	5,765	5,765	0	0	0	68	2,843	1,356	4,199
25	12,572	0	12,572	3,239	0	3,239	0	0	10,800	10,800	0	0	0	58	2,893	2,607	5,500
26	6,910	0	6,910	3,578	0	3,578	0	2,799	4,890	7,689	0	0	0	74	2,816	1,194	4,010
27	5,727	0	5,727	3,927	0	3,927	0	2,739	2,739	5,478	0	0	0	125	2,829	4,190	7,019
28	7,954	0	7,954	3,957	0	3,957	0	2,851	4,222	7,073	0	0	0	32	2,853	4,316	7,169
TOTAL	323,739	0	323,739	122,252	0	122,252	0	313,275	313,275	313,275	0	0	0	2,319	156,945	156,945	156,945
FEDERAL	0	0	0	122,252	0	122,252	0	96,793	96,793	96,793	0	0	0	0	90,410	90,410	90,410
STATE	323,739	0	323,739	0	0	0	0	216,482	216,482	216,482	0	0	0	0	66,535	66,535	66,535
															XVC	0	0

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

FEBRUARY 2003

FEDERAL-STATE OPERATIONS

RUN DATE: March 13, 2003

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE		BYRON BETHANY TOTAL	AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	DOS XVC		STATE	FED	TOTAL	
1	8,548	0	8,548	14,435	14,177	0	14,177	0	0	0	3,747	0	3,747	1,666	
2	8,524	0	8,524	14,477	14,197	0	14,197	0	0	0	4,017	0	4,017	1,722	
3	8,502	0	8,502	14,467	14,144	0	14,144	0	0	0	3,145	0	3,145	2,131	
4	8,479	0	8,479	14,003	13,658	0	13,658	0	0	0	3,324	0	3,324	2,370	
5	8,482	0	8,482	13,719	13,999	0	13,999	0	0	0	3,091	0	3,091	2,368	
6	8,488	0	8,488	14,171	14,171	0	14,171	0	0	0	3,488	0	3,488	2,443	
7	8,453	0	8,453	13,576	14,566	0	14,566	0	0	0	3,682	0	3,682	2,750	
8	8,540	0	8,540	14,373	14,588	0	14,588	0	0	0	4,756	0	4,756	3,230	
9	8,490	0	8,490	13,888	14,340	0	14,340	0	0	0	3,663	0	3,663	3,241	
10	8,501	0	8,501	14,106	14,515	0	14,515	0	0	0	3,050	0	3,050	3,392	
11	8,544	0	8,544	14,469	14,254	0	14,254	0	0	0	3,910	0	3,910	3,788	
12	8,581	0	8,581	14,262	14,197	0	14,197	0	0	0	3,408	0	3,408	3,835	
13	8,612	0	8,612	14,361	14,125	0	14,125	0	0	0	2,931	0	2,931	3,954	
14	7,577	0	7,577	974	1,060	0	1,060	0	0	0	2,406	0	2,406	3,397	
15	7,148	0	7,148	961	982	0	982	0	0	0	2,554	0	2,554	4,116	
16	8,313	0	8,313	14,428	15,181	0	15,181	0	0	0	2,561	0	2,561	5,348	
17	8,616	0	8,616	14,443	14,163	0	14,163	0	0	0	2,015	0	2,015	5,051	
18	8,595	0	8,595	14,418	14,160	0	14,160	0	0	0	1,666	0	1,666	5,337	
19	8,635	0	8,635	14,475	14,088	0	14,088	0	0	0	1,097	0	1,097	5,562	
20	8,504	0	8,504	14,311	14,118	0	14,118	0	0	0	1,661	0	1,661	5,730	
21	8,507	0	8,507	14,260	14,152	0	14,152	0	0	0	1,420	0	1,420	6,023	
22	8,539	0	8,539	14,125	14,233	0	14,233	0	0	0	1,123	0	1,123	6,072	
23	8,579	0	8,579	14,470	14,297	0	14,297	0	0	0	2,004	0	2,004	5,710	
24	8,607	0	8,607	14,471	14,364	0	14,364	0	0	0	1,701	0	1,701	5,577	
25	8,644	0	8,644	14,460	14,180	0	14,180	0	0	0	2,384	0	2,384	5,405	
26	8,657	0	8,657	7,929	7,843	0	7,843	0	0	0	2,030	0	2,030	5,079	
27	8,656	0	8,656	5,919	5,962	0	5,962	0	0	0	4,690	0	4,690	4,729	
28	8,603	0	8,603	10,632	9,017	0	9,017	0	0	0	5,172	0	5,172	4,646	
TOTALS	236,924	0	236,924	354,583	352,731	0	352,731	0	0	0	80,696	0	80,696	114,672	

COMMENTS: ALL VALUES IN ACRE-FEET

Table 22

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

**Friant-Kern Canal
2003**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alpaugh ID	0	0											0
Arvin-Edison WSD	1707	2374											4081
Atwell Island WD	0	0											0
Delano-Earlimart ID	0	2960											2960
Exeter ID	0	10											10
City of Fresno	0	811											811
County of Fresno SA #34	4	3											7
Fresno ID	0	0											0
Garfield WD	0	0											0
Hills Valley ID	0	0											0
International WD	25	53											78
Ivanhoe ID	0	0											0
Kaweah Delta WCD	0	0											0
Kern County Water Agency	0	0											0
Kern-Tulare WD	0	0											0
Lewis Creek WD	0	0											0
Lindmore ID	0	0											0
City of Lindsay	0	45											45
Lindsay-Strathmore ID	5	117											122
Lower Tule River ID	0	0											0
North-Kern WSD	0	0											0
City of Orange Cove	70	71											141
Orange Cove ID	0	0											0
Pixley ID	0	0											0
Porterville ID	0	0											0
Rag Gulch WD	0	320											320
Rosedale Rio Bravo WSD	0	0											0
Saucelito ID	0	321											321
Semitropic WSD	0	0											0
Shafter Wasco ID	541	5629											6170
Southern San Joaquin MUD	0	5260											5260
Smallwood Vineyards	0	0											0
Stone Corral ID	0	0											0
Strathmore PUD	0	19											19
Styro Tek, Inc.	0	0											0
Tea Pot Dome WD	0	0											0
Terra Bella ID	0	0											0
Tri-Valley WD	0	0											0
Tulare ID	0	2692											2692
Total	2352	20685	0	0	0	0	0	0	0	0	0	0	23037

* 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
 2003**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MADERA CANAL													
Chowchilla WD	0	0											0
Madera ID	0	0											0
Soquel	0	0											0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
MILLERTON LAKE													
County of Madera	1	2											3
Fresno County # 18	5	5											10
Gravelly Ford WD	0	2											2
Total	6	9	0	0	0	0	0	0	0	0	0	0	15

* 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
2003

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0											0
Broadview WD	1013	1646											2659
CCID (Abv CK 13)	240	139											379
CCID (Blw CK 13)	0	1347											1347
Centinella WD	0	0											0
China Island (76.05)	0	1043											1043
Del Puerto WD	151	1735											1886
DWR Intertie @MP7.70-R	0	0											0
Eagle Field WD	59	425											484
Firebaugh Canal	2202	5784											7986
Frietas Unit (76.05L)	0	1078											1078
Mercy Springs WD	0	156											156
Oro Loma WD	0	281											281
Panoche WD - Ag	422	660											1082
Panoche WD - M&I	2	3											5
Patterson WD	0	209											209
Plainview WD	19	48											67
Salt Slough Unit (76.05L)	0	926											926
San Luis WD - Ag	38	1841											1879
San Luis WD - M&I	1	1											2
Tracy, City of	104	361											465
West Side ID	0	0											0
Widren	0	54											54
W. Stanislaus ID	0	556											556
F&G - Los Banos Ref. 76.05L	0	1068											1068
Volta Wildlife Mgmt Area (F&G)	109	17											126
Grasslands WD -76.05L	5851	3441											9292
Grasslands WD - Volta	1286	1253											2539
F&S (Volta) Santa Fee Kest.	0	0											0
F&S - Kesterson 76.05L	0	665											665
Total DMC Deliveries	11497	24737	0	0	0	0	0	0	0	0	0	0	36234
Oneill Net Pumped	222449	122252											344701
DMC plus Oneill	233946	146989	0	0	0	0	0	0	0	0	0	0	380935

* 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
 2003

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SAN LUIS CANAL													
City of Avenal	183	166											166
Broadview WD	4	1											1
City of Coalinga	310	315											315
City of Dos Palos	62	68											68
City of Huron	43	50											50
Pacheco WD	225	399											399
Pacheco CCID Non-project (Hamburg)	457	984											1441
Panoche WD	3032	6457											9489
San Luis WD	1677	5005											6682
Westlands WD (Federal)	54952	73065											128017
Phase I (Non-chargeable)	1	0											1
Fish & Game (Lateral 4)	1	0											1
Fish & Game (Lateral 6)	0	0											0
Total	60947	86510	0	0	0	0	0	0	0	0	0	0	147457
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	40	25											65
San Luis WD Ag	32	690											722
San Luis M&I	37	32											69
VA Cemetary	1	4											5
Total	110	751	0	0	0	0	0	0	0	0	0	0	861
CROSS VALLEY CANAL													
Arvin Edison WSD	0	0											0
Kern-Tulare	0	0											0
Pixley ID	0	0											0
Rag Gulch	0	0											0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FELIPE DIVISION													
Santa Clara	3970	1985											5955
San Benito	254	1407											1661
Total	4224	3392	0	0	0	0	0	0	0	0	0	0	7616

* 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	73	120											193
Cortina WD	0	0											0
Davis WD	0	2											2
Dunnigan WD	8	22											30
4-M Water District	0	3											3
GCID	0	43											43
Glenn Valley WD	0	0											0
Glide WD	0	8											8
Holthouse WD	0	7											7
Kanawha WD	3	27											30
Kirkwood WD	0	0											0
La Grande WD	0	0											0
Myers-Marsh MWC	0	0											0
Orland-Artois WD	14	120											134
Westside WD	0	40											40
Total	98	392	0	0	0	0	0	0	0	0	0	0	490

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

2003

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A&F Boeger Corp & Thunder Farms	0	0											0
Anderson Cottonwood ID	0	0											0
Andreotti, Arthur, et al	0	0											0
Baber, Jack, et	0	0											0
A&R Farms (Odysseus)	0	0											0
Cannel, Fred	0	0											0
Carter, Jane	0	0											0
Colusa Prop. Inc	0	0											0
Conaway Conservancy Group	0	0											0
Davis, Olive P, et al	0	0											0
Deseret Farms of Calif	0	0											0
Dommer, Elizabeth	0	0											0
Forry, David G, et al	0	0											0
Forster, Rosemary	0	0											0
Furlan Joint Venture (Area #1)	0	0											0
Furlan Joint Venture (Area #2)	0	0											0
Glenn-Colusa ID	0	0											0
Griffin, J, et al	0	0											0
Henle Family Limited Partnership	0	0											0
Hershey Land Co	0	0											0
Hiatt, Glenn	0	0											0
Hollins, Mariette B	0	0											0
Howald Farms	0	0											0
King, Barbara	0	0											0
Knaggs Walnut Ranches Co, L.P.	0	0											0
Lockett, William P.	0	0											0
Loma Cold Storage/J Micheli	0	0											0
M&T Inc.	0	0											0
MCM Properties, Inc	0	0											0
Maxwell ID	0	0											0
Meridan Farms WC	0	0											0
Natomas Central MWC	0	0											0
O'Brien, Janice	0	0											0
Oji Bros. Farms Inc	0	0											0
Oji, Mitsue Family PTN	0	0											0
Pelger Mutual WC	0	0											0
Pleasant Grove-Verona MWC	0	0											0
Princeton,-Codora-Glenn ID	0	0											0
Provident Irrigation District	0	0											0
Reclamation Dist #108	0	0											0
Reclamation Dist #1004	0	0											0
Reynen, John, et al	0	0											0
River Garden Farms	0	0											0
Roberts Ditch Irrigation Co	0	0											0
Sartain Mutual WC	0	0											0
Siddiqui, J & A & Siddiqui Family Plan	0	0											0
Spence, Ruth Ann	0	0											0
Sutter Mutual WC	0	0											0
Swinford Tract Irrigation Co	0	0											0
Tarke, James, et al	0	0											0
Tisdale Irrigation & Drain	0	0											0
Wallace Construction, Inc.	0	0											0
Wells, Joyce M	0	0											0
Wilson Ranch Partnership	0	0											0
Windswept Land & Livestock Co.	0	0											0
Total	0	0											0

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

Table 29

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

**Sacramento-San Joaquin Valley - Streamflow Data
2003**

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sacramento River												
Shasta computed inflow	17179	8836										
At Keswick	13500	9498										
At Bend Bridge	25382	13674										
At Vina Bridge	38278	17020										
At Ord Ferry	35335	15687										
At Colusa	30523	17735										
Below Wilkins Slough	24623	17618										
At Verona	46013	29817										
Sacramento at "I" Street	49929	33707										
Miscellaneous Stations												
Folsom computed inflow	3942	3227										
American R at Nimbus Dam	2626	4300										
Kings River at Pine Flat	111	94										
San Joaquin River												
At Friant Dam	104	103										
Near Vernalis	2211	2198										
Putah Creek												
Berryessa computed inflow	1328	564										
Putah Creek - Lake Solano	26	195										
Stanislaus River												
New Melones computed inflow	1068	962										
At Tulloch Dam	305	533										
At Orange Blossom	212	539										

* 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 03	Jul 02 - Feb 03	Season	Season	of Jul-Jun	WY 03
				Total	Season	Total
				Jul 02 - Feb 03	TOTAL	Oct 02 - Feb 03
Alturas	0.96	4.01	1.20	12.48	32	3.88
Auberry	2.70	13.59	4.28	25.15	54	10.89
Auburn	2.51	18.99	6.29	33.66	56	16.48
Bakersfield	1.50	4.23	1.03	6.12	69	2.73
Blue Canyon	3.38	33.51	10.67	64.24	52	33.45
Cachuma	3.56	12.99	4.82	20.74	63	12.85
Calaveras Big Trees	3.73	27.00	9.40	54.99	49	27.00
Callahan	0.76	19.61	2.81	21.51	91	19.28
Colfax	1.98	27.68	7.92	47.47	58	27.30
Crane Valley	2.40	18.90	7.42	40.31	47	18.90
East Park	1.93	16.02	3.18	17.92	89	16.02
Folsom	1.60	12.32	4.27	24.64	50	12.32
Ft. Jones	0.82	21.61	2.72	21.69	100	20.99
Fresno	1.20	4.50	1.72	10.24	44	4.50
Friant Dam	1.90	9.22	2.62	14.40	64	7.32
Hetch Hetchy	2.25	18.80	5.79	35.93	52	18.54
Huntington	4.72	26.28	7.22	43.14	61	26.17
Georgetown	3.12	23.80	8.35	54.14	44	23.80
Lake Spaulding	4.20	46.71	11.26	69.73	67	46.63
Markley Cove (Berryessa)	2.50	23.86	4.42	25.53	93	23.86
McCloud	2.48	35.37	8.28	49.51	71	32.82
Mt. Shasta	2.26	38.38	6.08	38.51	100	37.43
New Melones	2.01	16.76	4.74	26.70	63	16.76
Pacific House	3.48	24.84	7.84	5.12	485	24.84
Placerville	1.84	18.61	6.42	38.85	48	18.61
Sacramento	1.08	10.39	3.14	18.42	56	8.98
Salt Springs	3.24	25.79	7.33	45.51	57	25.79
San Luis	1.32	6.64	1.45	9.81	68	6.64
Shasta Dam	3.03	52.00	10.09	61.59	84	51.96
Soda Springs	3.94	37.57	9.44	58.99	64	37.22
Sly Park	4.19	24.61	7.67	49.66	50	24.56
Stony Gorge	1.59	17.48	3.17	18.59	94	17.46
Susanville Airport	0.55	13.58	2.84	18.10	75	13.03
Tiger Creek	3.32	24.11	7.19	46.84	51	24.11
Trinity River Hatchery	1.52	25.76	5.11	34.21	75	25.70
Twin Lakes	2.30	19.50	33.30	47.56	41	19.02
Weaverville Ranger St.	2.25	31.78	567.00	38.52	83	31.53
Whiskeytown Dam	2.75	51.76	10.12	62.17	83	51.76
Yosemite Valley Hdqts.	2.88	25.46	6.15	36.88	69	24.30
Klamath Experiment St.	0.52	6.18	1.59	13.02	47	6.16

Data supplied by various agencies.