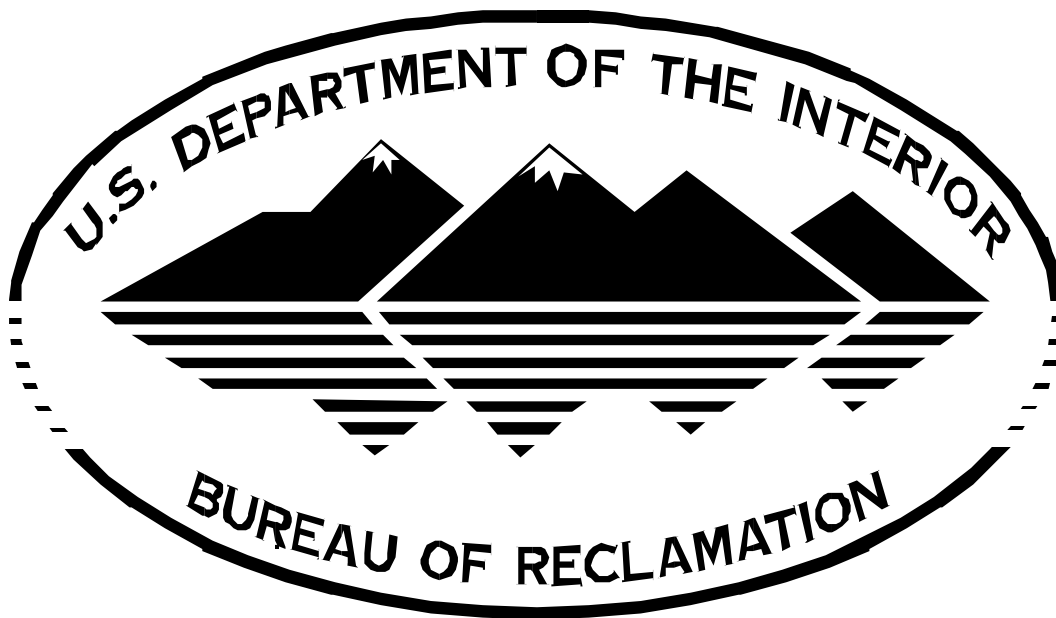


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION**

CENTRAL VALLEY OPERATIONS OFFICE

REPORT OF OPERATIONS



January 2003

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SUMMARY OF JANUARY 2003 OPERATIONS

Sacramento had an average monthly temperature of 51.9 °F which was 3.7 °F above normal. The average temperature at Shasta Dam was 50.0 °F which was 3.7 °F above normal and Huntington Lake was 5.5 °F below normal with an average temperature of 30.5 °F.

Trinity System: Storage in Trinity Lake increased 310,900 acre-feet this month to 1,885,900 acre-feet, which is 77 percent of capacity and 121 percent of the 15 year average for this date. The total inflow for the month was 328,533 acre-feet. The Trinity River release were 300 ft³/s. Whiskeytown Lake was operated between elevations 1197.94 feet and 1200.11 feet with an end-of-month storage of 205,500 acre-feet. The releases to Clear Creek from Whiskeytown Dam ranged between 200 and 869 ft³/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 9,404 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 313,400 acre-feet for an end-of-month storage of 3,536,800 acre-feet, which is 78 percent of capacity and 120 percent of the 15 year average. The total inflow for the month was 1,056,317 acre-feet. The release to the Sacramento River at Keswick ranged between 6,500 and 18,000 ft³/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 63,800 acre-feet and had an end-of-month storage of 601,000 acre-feet, which is 62 percent of capacity and 136 percent of the 15 year average for this date. The total inflow for the month was 242,370 acre-feet. The release to the American River at Nimbus ranged between 1,500 and 4,000 ft³/s during the month.

New Melones: Storage in New Melones increased 47,200 acre-feet for an end-of-month storage of 1,405,300 acre-feet or 58 percent of capacity and 112 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged between 225 to 1,000 ft³/s for the month. The total inflow for the month was 65,656 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on January 31, 2003, was 868,000 acre-feet compared to the storage a year ago of 895,000 acre-feet.

Friant: Storage in Millerton Lake increased 53,947 acre-feet to 360,800 acre-feet. The total monthly inflow was 72,297 acre-feet. The release to the San Joaquin River at Friant varied between 102 and 105 ft³/s.

CVP Totals: The total diversions to CVP canals were 288,687 acre-feet. The January 31, 2003, storage in the 18 CVP reservoirs was 8,297,000 acre-feet compared to storage 1 year ago of 8,114,000 acre-feet.

Power: Gross power production for the CVP totaled 436,973,000 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	01/31/03	01/31/02	WATERSHED	RESERVOIR	TOTAL CAPACITY	01/31/03	01/31/02
KLAMATH	CLEAR LAKE *	526,800	115,890	157,990	AMERICAN	FOLSOM LAKE *CVP	1,010,300	601,050	481,040
	GERBER *	94,300	24,340	32,450		LAKE NATOMA *CVP	9,030	8,320	7,590
	UPR KLAMATH LK *	873,300	350,860	377,680	COSUMNES	JENKINSON LK *CVP	41,000	29,910	31,150
TRINITY	CLAIR ENGLE LK*CVP	2,447,700	1,885,930	1,652,310	MOKELUMNE	CAMANCHE	431,500	282,800	239,450
	LEWISTON LAKE*CVP	14,660	13,970	14,320		PARDEE	210,000	171,690	167,510
	WHISKEYTOWN *CVP	241,100	205,480	205,060	SALT SPRINGS	140,000	27,830	7,100	
MCCLOUD	MCCLOUD DIV. RES	35,230	25,660	19,460	CALAVERAS	NEW HOGAN	317,100	139,020	147,580
PIT	IRON CANYON	24,240	4,490	10,080		NEW MELONES*CVP	2,420,000	1,405,250	1,569,450
	LAKE BRITTON	40,620	38,560	31,510		BEARDSLEY	97,800	21,110	22,240
	PIT NO. 6	15,890	14,130	12,100	STANISLAUS	DONNELLS	64,320	7,500	5,640
	PIT NO. 7	34,610	27,800	31,370	TULLOCH	67,000	55,340	55,810	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	3,536,770	3,516,590	TUOLUMNE	LAKE ELEANOR	26,100	6,160	4,090
	SPRING CREEK *CVP	5,900	980	4,220		LAKE LLOYD	268,000	192,190	210,370
	KESWICK *CVP	23,800	20,710	22,310		HETCH-HETCHY	360,400	238,560	146,900
	RED BLUFF DIV *CVP	3,920	720	270	NEW DON PEDRO	2,030,000	1,374,500	1,396,750	
FEATHER	OROVILLE	3,538,000	2,153,510	1,915,920	TURLOCK LAKE	49,000	17,660	14,410	
	THERMALITO DIV RES	13,500	13,200	13,180	MERCED	EXCHEQUER	1,024,600	360,840	416,250
	THERMALITO FORE.	14,400	11,390	11,270	BUCHANAN	150,000	19,850	26,810	
	THERMALITO AFTER.	57,000	34,550	43,530	CRANE VALLEY	45,400	26,750	24,320	
STONY CREEK	LAKE ALMANOR	1,143,000	803,420	691,900	LAKE T.A. EDISON	125,000	46,280	45,430	
	EAST PARK *	50,900	48,660	48,570	FLORENCE LAKE	64,600	1,000	1,000	
	STONY GORGE *	50,000	40,190	35,740	SAN JOAQUIN	MAMMOTH POOL	122,700	15,300	22,410
PUTAH CREEK	BLACK BUTTE *CVP	143,700	43,960	47,045	HUNTINGTON LAKE	89,800	45,870	38,060	
	LAKE BERRYESSA *	1,602,300	1,570,780	1,480,410	REDINGER LAKE	35,000	23,820	23,110	
	LAKE SOLANO *	720	520	560	SHAVER LAKE	135,400	108,420	108,730	
YUBA	BULLARDS BAR	930,000	729,060	659,420	MILLERTON LK *CVP	520,500	360,800	289,970	
	SO. YUBA SYSTEM	146,000	56,500	30,150	FRESNO	HIDDEN	90,000	17,820	19,450
	NARROWS	70,000	64,210	61,980	SAN LUIS **CVP	2,040,600	1,437,580	1,807,070	
BEAR	ROLLINS	65,990	65,990	65,030	O'NEILL FORE.**CVP	56,400	45,940	53,240	
LITTLE TRUCKEE	STAMPEDE *	226,620	116,300	154,200	SAN LUIS	L BANOS RES**CVP	34,560	20,170	20,320
	BOCA *	41,140	8,400	8,100	LT PANOCHE **CVP	5,580	830	830	
PROSSER	PROSSER CREEK *	29,840	8,700	8,300	OIL CANYON	CONTRA LOMA *CVP	2,100	2,000	1,630
TRUCKEE	LAKE TAHOE *	732,000	86,100	140,900	KINGS	WISHON	128,300	38,330	54,650
	RYE PATCH *	190,000	14,900	17,000	PINE FLAT	1,001,500	305,140	417,340	
HUMBOLDT					KAWEAH	TERMINUS	143,000	16,110	20,890
CARSON	LAHONTAN *	317,280	137,500	112,500	TULE	SUCCESS	82,300	14,010	15,360
	TWIN LAKES	21,600	13,630	15,750	KERN	ISABELLA	588,100	142,020	107,490
	FRENCH MEADOWS	136,400	75,390	39,330	CUYAMA	TWITCHHELL *	240,100	5,160	5,160
AMERICAN	HELL HOLE	207,590	137,470	53,220	SANTA YNEZ	LAKE CACHUMA *	190,500	123,170	168,450
	LOON LAKE	76,500	31,520	30,810	COYOTE	LAKE CASITAS *	254,000	193,660	222,130
	ICE HOUSE	46,000	24,300	21,030	TOTAL - 85 RESERVOIRS		33,790,040	20,679,340	20,357,565
	UNION VALLEY	277,300	158,000	131,530	TOTAL - 36 RESERVOIRS		18,992,650	12,465,500	12,694,555
	SLAB CREEK	16,600	15,140	15,290	TOTAL - 18 RESERVOIRS		13,572,850	9,620,370	9,724,415

** - 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

JANUARY 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.	PRECIP INCHES	
		1000 ACRE-Feet IN LAKE	CHANGE		POWER	RIVER SPILL	OUTLET			
		3,223.2								
1	1,018.79	3,257.8	+34.6	27,068	9,605	0	0	0	.00	
2	1,019.49	3,274.7	+16.8	19,213	10,733	0	0	0	.00	
3	1,019.72	3,280.2	+5.5	15,442	12,623	0	0	28	.04	
4	1,019.92	3,285.0	+4.8	13,526	11,035	0	0	64	.09	
5	1,020.05	3,288.1	+3.1	12,362	10,777	0	0	7	.01	
6	1,020.14	3,290.3	+2.2	12,452	11,351	0	0	7	.01	
7	1,020.41	3,296.8	+6.5	13,027	9,534	0	0	213	.30	
8	1,020.53	3,299.7	+2.9	9,328	7,856	0	0	14	.02	
9	1,020.83	3,306.9	+7.2	9,928	6,219	0	0	64	.09	
10	1,021.43	3,321.4	+14.5	13,097	5,780	0	0	0	.00	
11	1,022.42	3,345.5	+24.0	16,109	3,993	0	0	0	.00	
12	1,024.32	3,391.9	+46.5	26,725	3,231	0	0	72	.10	
13	1,026.79	3,453.0	+61.1	35,919	5,061	0	0	73	.10	
14	1,028.99	3,508.0	+55.0	38,183	10,445	0	0	0	.00	
15	1,030.38	3,543.1	+35.1	29,243	11,513	0	0	37	.05	
16	1,031.18	3,563.4	+20.3	23,003	12,749	0	0	22	.03	
17	1,031.53	3,572.3	+8.9	18,284	13,761	0	0	30	.04	
18	1,031.69	3,576.4	+4.1	16,759	14,593	0	0	112	.15	
19	1,031.67	3,575.9	-0.5	13,330	13,565	0	0	22	.03	
20	1,031.55	3,572.8	-3.1	12,189	13,693	0	0	37	.05	
21	1,031.48	3,571.0	-1.8	13,680	14,572	0	0	7	.01	
22	1,031.71	3,576.9	+5.9	17,319	14,291	0	0	75	.10	
23	1,031.82	3,579.7	+2.8	17,749	14,808	0	1,529	0	.00	
24	1,031.75	3,577.9	-1.8	16,921	14,797	0	3,022	0	.00	
25	1,031.46	3,570.5	-7.4	14,130	14,818	0	3,020	15	.02	
26	1,031.17	3,563.1	-7.4	14,157	14,851	0	3,014	15	.02	
27	1,030.91	3,556.5	-6.6	13,714	14,959	0	2,087	0	.00	
28	1,030.53	3,546.9	-9.6	13,088	14,940	0	3,003	0	.00	
29	1,030.31	3,541.3	-5.6	12,940	14,942	0	742	67	.09	
30	1,030.29	3,540.8	-0.5	12,228	12,461	0	0	22	.03	
31	1,030.13	3,536.8	-4.1	11,439	13,461	0	0	22	.03	
TOTALS			+313.4	532,552	357,017	0	16,417	1,025	1.41	6.79
ACRE-Feet			+313,400	1,056,317	708,143	0	32,563	2,033		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-Feet)				PRECIPITATION
POWER	708,143	OUTLET	32,563		THIS MONTH = 6.79
SPILL	0	TOTAL	740,706		JULY 1, 2002 TO DATE = 49.84

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

JANUARY 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)	
		1,575.1								
1	2,309.83	1,581.5	+6.3	3,230	15	0	0	22	.06	.00
2	2,310.19	1,586.0	+4.5	2,511	224	0	0	26	.07	.00
3	2,310.52	1,590.1	+4.1	2,461	379	0	0	4	.01	.18
4	2,310.84	1,594.1	+4.0	2,230	209	0	0	7	.02	.00
5	2,311.22	1,598.8	+4.8	2,417	14	0	0	4	.01	.02
6	2,311.55	1,603.0	+4.1	2,307	215	0	0	4	.01	.00
7	2,311.86	1,606.9	+3.9	2,288	315	0	0	11	.03	.00
8	2,312.17	1,610.8	+3.9	2,235	268	0	0	0	.00	.00
9	2,312.45	1,614.3	+3.5	2,333	548	0	0	4	.01	.00
10	2,312.87	1,619.6	+5.3	2,960	281	0	0	7	.02	.07
11	2,313.47	1,627.2	+7.6	3,964	128	0	0	4	.01	.27
12	2,315.00	1,646.7	+19.5	10,149	325	0	0	8	.02	.45
13	2,317.38	1,677.3	+30.6	15,454	14	0	0	4	.01	1.22
14	2,319.41	1,703.7	+26.4	13,367	53	0	0	0	.00	.64
15	2,320.69	1,720.5	+16.8	8,490	14	0	0	12	.03	.02
16	2,321.53	1,731.6	+11.1	5,810	215	0	0	12	.03	.00
17	2,322.21	1,740.6	+9.0	4,881	344	0	0	4	.01	.00
18	2,322.88	1,749.4	+8.9	4,847	363	0	0	4	.01	.00
19	2,323.54	1,758.2	+8.8	4,779	329	0	0	20	.05	.00
20	2,324.17	1,766.6	+8.4	4,419	178	0	0	4	.01	.00
21	2,324.76	1,774.5	+7.9	4,287	297	0	0	8	.02	.20
22	2,325.57	1,785.4	+10.9	5,808	309	0	0	16	.04	.04
23	2,326.76	1,801.4	+16.0	8,444	355	0	0	0	.00	.52
24	2,327.62	1,813.1	+11.7	6,145	271	0	0	0	.00	.00
25	2,328.50	1,825.1	+12.0	6,322	264	0	0	24	.06	.75
26	2,329.30	1,836.0	+10.9	5,798	282	0	0	12	.03	.01
27	2,330.27	1,849.3	+13.3	7,009	300	0	0	8	.02	.02
28	2,331.03	1,859.7	+10.5	6,791	1,512	0	0	8	.02	.06
29	2,331.67	1,868.6	+8.8	4,690	217	0	0	12	.03	.00
30	2,332.26	1,876.8	+8.2	4,348	218	0	0	8	.02	.10
31	2,332.92	1,885.9	+9.2	4,859	230	0	0	4	.01	.05
TOTALS			+310.9	165,633	8,686	0	0	261	.67	4.62
ACRE-FEET			+310,900	328,533	17,229	0	0	518		

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	17,229	OUTLET	0	THIS MONTH = 4.62
SPILL	0	TOTAL	17,229	JULY 1, 2002 TO DATE = 24.22

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

JANUARY 2003

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: March 11, 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				
		214.5										
1	1,200.11	210.5	-4.1	2,455	118	2,337	200	0	4,298	0	.00	.00
2	1,198.75	206.4	-4.0	1,674	118	1,556	200	0	3,508	0	.00	.00
3	1,198.47	205.6	-0.8	1,269	118	1,151	200	0	1,485	0	.00	.11
4	1,198.57	205.9	+0.3	1,051	118	933	200	0	703	0	.00	.00
5	1,198.88	206.8	+0.9	912	118	794	200	0	252	0	.00	.00
6	1,198.81	206.6	-0.2	880	118	762	200	0	784	0	.00	.02
7	1,198.90	206.9	+0.3	850	118	732	200	0	516	0	.00	.00
8	1,198.86	206.7	-0.1	820	118	702	200	0	679	0	.00	.00
9	1,198.53	205.8	-1.0	962	174	788	200	0	1,253	0	.00	.00
10	1,198.77	206.5	+0.7	1,108	118	990	200	0	548	4	.05	.74
11	1,198.22	204.9	-1.6	1,279	118	1,161	200	0	1,896	0	.00	1.10
12	1,198.96	207.0	+2.2	3,088	118	2,970	200	0	1,789	0	.00	1.29
13	1,199.46	208.5	+1.5	4,020	119	3,901	200	0	3,072	0	.00	2.95
14	1,198.80	206.6	-2.0	3,505	118	3,387	200	0	4,291	0	.00	.41
15	1,198.10	204.5	-2.1	2,621	118	2,503	200	0	3,458	3	.04	.15
16	1,197.94	204.0	-0.5	1,935	118	1,817	200	0	1,972	0	.00	.00
17	1,198.32	205.2	+1.1	1,574	118	1,456	200	0	810	0	.00	.00
18	1,198.51	205.7	+0.6	1,357	118	1,239	200	0	867	8	.09	.00
19	1,198.49	205.7	-0.1	1,231	118	1,113	200	0	1,053	7	.08	.00
20	1,198.50	205.7	+0.0	1,090	118	972	200	0	868	7	.08	.00
21	1,198.60	206.0	+0.3	1,005	118	887	200	0	656	0	.00	.14
22	1,198.63	206.1	+0.1	1,163	118	1,045	200	0	919	0	.00	1.20
23	1,198.53	205.8	-0.3	1,219	118	1,101	200	0	1,165	3	.04	1.29
24	1,198.51	205.7	-0.1	1,135	118	1,017	200	0	963	2	.02	.00
25	1,198.43	205.5	-0.2	1,085	118	967	200	0	1,003	0	.00	.30
26	1,198.42	205.4	+0.0	1,008	118	890	200	0	823	0	.00	.00
27	1,198.16	204.7	-0.8	1,169	266	903	725	0	830	0	.00	.03
28	1,198.54	205.8	+1.1	1,687	996	691	869	0	253	0	.00	.02
29	1,198.70	206.3	+0.5	789	118	671	300	0	249	3	.03	.00
30	1,198.45	205.5	-0.7	713	118	595	200	0	882	2	.02	.00
31	1,198.43	205.5	-0.1	682	118	564	200	0	511	1	.01	.00
TOTALS			-9.1	45,336	4,741	40,595	7,494	0	42,356	40	.46	9.75
ACRE-FEET			-9.1	89,924	9,404	80,520	14,864	0	84,013	79		

* 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	84,013	OUTLET	14,864	THIS MONTH	9.75
SPILL	0	TOTAL	98,877	JULY 1, 2002 TO DATE	50.86

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

Table 6

JANUARY 2003

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: February 25, 2003

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
		14,203								
1	1,901.18	14,046	-157	310	0	45	225	118	1	.06
2	1,901.28	14,120	+74	457	0	45	255	118	2	.07
3	1,901.62	14,375	+255	547	0	45	255	118	0	.01
4	1,901.62	14,375	+0	418	0	45	255	118	0	.02
5	1,901.07	13,963	-412	210	0	45	255	118	0	.01
6	1,900.99	13,904	-59	388	0	45	255	118	0	.01
7	1,901.11	13,993	+89	464	39	45	216	118	1	.03
8	1,901.02	13,926	-67	384	80	45	175	118	0	.00
9	1,901.40	14,210	+284	617	80	45	175	174	0	.01
10	1,901.36	14,180	-30	406	80	48	175	118	0	.02
11	1,901.00	13,911	-269	282	80	45	175	118	0	.01
12	1,901.47	14,263	+352	595	80	45	175	118	0	.02
13	1,901.42	14,225	-38	400	80	45	175	119	0	.01
14	1,901.34	14,165	-60	388	80	45	175	118	0	.00
15	1,900.93	13,859	-306	265	80	45	175	118	1	.03
16	1,900.81	13,771	-88	375	80	45	175	118	1	.03
17	1,901.03	13,933	+162	500	80	45	175	118	0	.01
18	1,901.24	14,091	+158	498	80	45	175	118	0	.01
19	1,901.33	14,158	+67	453	80	45	175	118	1	.05
20	1,901.02	13,926	-232	301	80	45	175	118	0	.01
21	1,901.01	13,918	-8	414	80	45	175	118	0	.02
22	1,901.06	13,956	+38	438	80	45	175	118	1	.04
23	1,901.22	14,076	+120	478	80	45	175	118	0	.00
24	1,901.27	14,113	+37	437	80	45	175	118	0	.00
25	1,901.26	14,105	-8	415	80	45	175	118	1	.06
26	1,901.33	14,158	+53	446	27	45	228	118	1	.03
27	1,901.03	13,933	-225	453	50	45	205	266	0	.02
28	1,901.48	14,270	+337	1,466	38	45	217	996	0	.02
29	1,901.36	14,180	-90	374	53	45	202	118	1	.03
30	1,901.20	14,061	-119	358	80	45	175	118	0	.02
31	1,901.08	13,971	-90	373	80	45	175	118	0	.01
TOTALS			-232	13,910	1,807	1,398	6,068	4,741	11	.67
ACRE-FEET			-232	27,590	3,584	2,773	12,036	9,404	22	

* 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	3,584	JUDGE FRANCIS CARR POWERPLANT	9,404
TOTAL RIVER	18,393	TOTAL RELEASE	27,797

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

Table 7

JANUARY 2003

SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS

RUN DATE: February 25, 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	
		6,080								
1	795.91	5,957	-123	166	189	39				
2	793.72	5,758	-199	94	20	174				
3	790.67	5,487	-271	63	0	200				
4	788.05	5,260	-227	51	0	165				
5	785.15	5,016	-244	42	0	165				
6	782.22	4,777	-239	45	0	165				
7	780.48	4,637	-140	36	0	107				
8	779.08	4,526	-111	31	0	87				
9	777.23	4,384	-142	28	0	100				
10	776.28	4,311	-73	63	0	100				
11	775.61	4,260	-51	74	0	100				
12	781.06	4,683	+423	313	0	100				
13	784.21	4,938	+255	284	0	155				
14	782.24	4,778	-160	169	0	250				
15	779.40	4,552	-226	114	0	228				
16	776.77	4,349	-203	73	0	175				
17	773.63	4,113	-236	56	0	175				
18	770.05	3,853	-260	44	0	175				
19	766.07	3,576	-277	35	0	175				
20	761.74	3,287	-289	29	0	175				
21	756.89	2,978	-309	26	0	182				
22	751.51	2,653	-325	36	0	200				
23	745.86	2,332	-321	38	0	200				
24	739.36	1,999	-333	32	0	200				
25	731.88	1,656	-343	27	0	200				
26	723.12	1,301	-355	21	0	200				
27	713.66	972	-329	-2	0	164				
28	709.53	848	-124	2	0	65				
29	708.23	811	-37	16	0	35				
30	711.53	907	+96	48	0	0				
31	713.88	979	+72	36	0	0				
TOTALS			-5,101	2,090	209	4,456				
ACRE-FEET			-5,101	4,146	415	8,838				

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)	
SPILL	415
OUTLET	8,838
TOTAL	9,253

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

Table 8

JANUARY 2003

KESWICK RESERVOIR DAILY OPERATIONS

RUN DATE: February 25, 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)
		21,671								
1	582.19	20,799	-872	14,249	4,298	9,605	14,689	0	0	0
2	582.06	20,722	-77	14,563	3,508	10,733	14,602	0	0	0
3	583.02	21,295	+573	14,358	1,485	12,623	14,068	0	0	1
4	582.23	20,823	-472	12,077	703	11,035	12,313	0	0	2
5	582.08	20,734	-89	11,920	252	10,777	11,965	0	0	0
6	583.80	21,769	+1,035	12,536	784	11,351	12,014	0	0	0
7	583.43	21,544	-225	10,385	516	9,534	10,493	0	0	5
8	583.12	21,356	-188	8,831	679	7,856	8,926	0	0	0
9	583.24	21,429	+73	7,733	1,253	6,219	7,694	0	0	2
10	583.53	21,605	+176	6,769	548	5,780	6,680	0	0	0
11	583.10	21,344	-261	6,381	1,896	3,993	6,464	0	49	0
12	583.06	21,319	-25	6,496	1,789	3,231	6,422	0	85	2
13	581.78	20,557	-762	9,476	3,072	5,061	9,625	208	25	2
14	581.22	20,229	-328	14,740	4,291	10,445	14,820	0	85	0
15	581.99	20,680	+451	14,964	3,458	11,513	14,651	0	85	1
16	582.08	20,734	+54	14,642	1,972	12,749	14,529	0	85	1
17	581.86	20,604	-130	14,473	810	13,761	14,453	0	85	1
18	584.48	22,186	+1,582	15,217	867	14,593	14,331	0	85	3
19	583.74	21,732	-454	14,189	1,053	13,565	14,332	0	85	1
20	582.81	21,170	-562	13,942	868	13,693	14,139	0	85	1
21	583.42	21,538	+368	15,025	656	14,572	14,367	387	85	0
22	584.00	21,890	+352	14,857	919	14,291	14,593	0	85	2
23	582.56	21,020	-870	17,561	1,165	16,337	13,052	4,863	85	0
24	583.23	21,423	+403	18,887	963	17,819	12,947	5,652	85	0
25	584.62	22,273	+850	18,509	1,003	17,838	14,931	3,064	85	0
26	585.15	22,601	+328	18,163	823	17,865	14,817	3,096	85	0
27	582.62	21,056	-1,545	16,937	830	17,046	14,166	3,465	85	0
28	582.60	21,044	-12	17,676	253	17,943	14,638	2,959	85	0
29	582.40	20,925	-119	15,544	249	15,684	14,212	1,305	85	2
30	580.74	19,950	-975	13,206	882	12,461	13,344	268	85	1
31	582.04	20,710	+760	13,750	511	13,461	13,281	0	85	1
TOTALS			-961	418,056	42,356	373,434	391,558	25,267	1,689	28
ACRE-FEET			-961	829,214	84,013	740,706	776,655	50,117	3,350	56

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

(1) EVAPORATION RECORDS TAKEN FROM SHASTA PAN.

SUMMARY
 RELEASE (ACRE-FEET)

POWER 776,655
 SPILL 50,117
 FISH TRAP 3,350

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

JANUARY 2003

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: May 15, 2003

DAY	ELEVATION	STORAGE		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	ACRE-FEET CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		1,205				
1	247.01	1,848	+643	0	0	36,742
2	244.60	1,259	-589	0	0	29,376
3	242.63	872	-387	0	0	26,174
4	242.29	813	-59	0	0	19,921
5	242.26	808	-5	0	0	18,636
6	241.42	673	-135	0	0	16,574
7	241.25	647	-26	0	0	14,726
8	240.75	574	-73	0	0	12,966
9	240.28	509	-65	0	0	11,772
10	240.00	470	-39	0	0	11,106
11	243.31	996	+526	0	0	29,934
12	242.86	912	-84	0	0	33,812
13	247.10	1,874	+962	0	0	58,426
14	247.20	1,903	+29	0	0	71,361
15	250.00	2,820	+917	0	0	43,792
16	244.15	1,162	-1,658	0	0	30,275
17	243.17	969	-193	0	0	19,422
18	242.70	884	-85	0	0	18,673
19	242.48	846	-38	0	0	18,109
20	242.31	817	-29	0	0	17,892
21	242.15	789	-28	0	0	17,613
22	242.12	784	-5	0	0	17,742
23	243.00	936	+152	0	0	41,643
24	243.27	988	+52	0	0	32,411
25	243.53	1,039	+51	0	0	30,113
26	243.43	1,019	-20	0	0	29,718
27	243.17	969	-50	0	0	28,635
28	243.15	965	-4	0	0	28,942
29	243.15	965	+0	0	0	20,174
30	242.35	824	-141	0	0	19,963
31	241.71	718	-106	0	0	16,642
TOTALS			-487	0	0	823,285
ACRE-FEET			-487	0	0	1,632,986

SUMMARY

RELEASE (ACRE-FEET)

CORNING CANAL	0
TEHAMA-COLUSA CANAL	0
TO SACTO RIVER	1,632,986
TOTAL	1,632,986

Date This Report Generated:
14 FEB 2003 @ 1429

Corps of Engineers, U.S. Army
Sacramento District Sacramento, California

Daily Operation of Black Butte Reservoir, Stony Creek, California
January 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	449.68	52845	-6731	3781	7172	7172	0	0	5	0.03	0	80107	17900
2	446.25	44553	-8292	2505	6683	6683	0	0	5	0.03	0	80323	20900
3	443.41	38357	-6196	1845	4965	4965	0	0	7	0.05	0	81057	23300
4	441.96	35433	-2924	1574	3046	3046	0	0	5	0.04	0	81372	26200
5	441.99	35492	59	1626	1584	1584	0	0	25	0.19	0	81567	27100
6	442.61	36726	1234	1576	941	941	0	0	26	0.19	0	81579	27200
7	443.27	38068	1342	1437	753	753	0	0	14	0.1	0	81451	27700
8	443.86	39296	1228	1333	712	712	0	0	3	0.02	0	81222	28300
9	444.31	40252	956	1194	712	712	0	0	0	0	0.45	81975	28100
10	444.92	41573	1321	1379	711	711	0	0	3	0.02	0.61	82851	27700
11	446.05	44096	2523	1985	712	712	0	0	2	0.01	0.15	83308	27500
12	448.61	50162	6066	3776	718	718	0	0	0	0	1.38	87112	25500
13	452.12	59326	9164	7737	3117	3117	0	0	0	0	0.27	88732	21900
14	452.35	59965	639	5261	4939	4939	0	0	0	0	0.41	89367	23000
15	451.15	56686	-3279	3265	4916	4916	0	0	4	0.02	0	90121	23300
16	449.67	52819	-3867	2306	4248	4248	0	0	15	0.09	0	90712	23300
17	448.33	49475	-3344	1781	3463	3463	0	0	8	0.05	0	91170	23500
18	447.15	46643	-2832	1611	3036	3036	0	0	6	0.04	0.02	91388	23900
19	446.28	44621	-2022	1500	2518	2518	0	0	2	0.01	0.01	91432	24300
20	445.77	43462	-1159	1416	1999	1999	0	0	3	0.02	0.08	91361	24800
21	445.43	42700	-762	1445	1829	1829	0	0	0	0	0.18	91209	25400
22	445.28	42367	-333	1545	1713	1713	0	0	0	0	0.34	91389	25800
23	445.56	42990	623	2143	1827	1827	0	0	3	0.02	0.02	91150	26300
24	445.62	43125	135	1884	1814	1814	0	0	3	0.02	0.03	90722	26800
25	445.6	43080	-45	1789	1808	1808	0	0	8	0.05	0	90389	27300
26	445.45	42745	-335	1647	1813	1813	0	0	6	0.04	0	90106	27700
27	445.31	42433	-312	1540	1696	1696	0	0	3	0.02	0	89826	28200
28	445.23	42256	-177	1427	1511	1511	0	0	10	0.07	0	89501	28600
29	445.45	42745	489	1313	1065	1065	0	0	3	0.02	0	89199	29000
30	445.7	43305	560	1214	927	927	0	0	9	0.06	0	88849	29400
31	445.99	43960	655	1178	846	846	0	0	3	0.02	0.02	88429	29900
Totals	(sfd)			66013	73794	73794	0	0					
Totals	(ac-ft)		-15616	130937	146370.4	146370.4			181				
Totals	(inches)									1.23	3.97		

[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

JANUARY 2003

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: February 25, 2003

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		
		537.5										
1	421.65	541.6	+4.1	3,729	1,569	0	0	95	14	.05	.00	
2	421.94	544.0	+2.4	2,898	1,582	0	0	93	8	.03	.00	
3	422.34	547.4	+3.3	3,344	1,555	0	0	95	6	.02	.00	
4	422.57	549.3	+1.9	2,702	1,628	0	0	96	6	.02	.00	
5	422.77	551.0	+1.7	2,772	1,829	0	0	90	8	.03	.00	
6	423.08	553.6	+2.6	3,271	1,859	0	0	91	8	.03	.00	
7	423.50	557.1	+3.6	3,558	1,674	0	0	87	6	.02	.00	
8	423.94	560.9	+3.7	3,555	1,588	0	0	85	6	.02	.00	
9	424.37	564.5	+3.7	3,633	1,696	0	0	87	3	.01	.00	
10	424.89	569.0	+4.4	4,236	1,908	0	0	85	6	.02	.38	
11	425.40	573.3	+4.4	4,341	2,047	0	0	85	0	.00	.07	
12	425.76	576.4	+3.1	3,883	2,231	0	0	87	3	.01	.00	
13	425.93	577.9	+1.5	3,639	2,800	0	0	92	9	.03	.10	
14	426.09	579.3	+1.4	3,721	2,902	0	0	108	14	.05	.00	
15	426.25	580.7	+1.4	3,722	2,917	0	0	91	14	.05	.00	
16	426.41	582.1	+1.4	3,738	2,953	0	0	71	14	.05	.00	
17	426.42	582.1	+0.1	3,111	2,971	0	0	87	9	.03	.00	
18	426.31	581.2	-1.0	2,585	2,969	0	0	88	9	.03	.00	
19	426.31	581.2	+0.0	3,068	2,971	0	0	88	9	.03	.00	
20	426.53	583.1	+1.9	4,033	2,972	0	0	89	9	.03	.00	
21	426.79	585.4	+2.3	4,193	2,966	0	0	90	0	.00	.06	
22	427.12	588.2	+2.9	4,461	2,934	0	0	79	0	.00	.14	
23	427.61	592.5	+4.3	5,916	3,652	0	0	93	9	.03	.43	
24	428.13	597.1	+4.6	6,597	4,198	0	0	100	0	.00	.05	
25	428.34	598.9	+1.9	5,139	4,105	0	0	100	0	.00	.02	
26	428.34	598.9	+0.0	4,276	4,157	0	0	101	18	.06	.00	
27	428.41	599.5	+0.6	4,499	4,088	0	0	93	6	.02	.00	
28	428.53	600.6	+1.1	4,923	4,288	0	0	101	0	.00	.00	
29	428.62	601.4	+0.8	4,708	4,206	0	0	96	6	.02	.00	
30	428.66	601.8	+0.4	4,544	4,274	0	0	77	15	.05	.00	
31	428.58	601.0	-0.7	3,398	3,670	0	0	75	9	.03	.00	
TOTALS			+63.8	122,193	87,159	0	0	2,795	224	.77	1.25	
ACRE-FEET			+63,800	242,370	172,880	0	0	5,544	444			

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	172,880	OUTLET	0	THIS MONTH =	1.25
SPILL	0	TOTAL	178,424	JULY 1, 2002 TO DATE =	10.72
PUMPING PLANT	5,544				

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

Table 12

JANUARY 2003

LAKE NATOMA DAILY OPERATIONS

RUN DATE: February 25, 2003

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	FOLSOM SOUTH CANAL	RELEASE - C.F.S.			EVAP C.F.S. (1)
		IN LAKE	CHANGE			POWER	SPILL	HATCHERY	
1	123.14	7,960	-103	1,480	30	1,441	0	60	1
2	122.97	7,857	-79	1,497	37	1,440	0	60	0
3	122.56	7,778	-185	1,454	40	1,447	0	60	0
4	122.46	7,593	-45	1,521	40	1,444	0	60	0
5	123.01	7,548	+248	1,669	40	1,444	0	60	0
6	123.60	7,796							
6	123.60	8,073	+277	1,684	40	1,444	0	60	0
7	123.51	8,031	-42	1,529	40	1,450	0	60	0
8	123.21	7,890	-141	1,473	40	1,444	0	60	0
9	123.24	7,904	+14	1,548	40	1,441	0	60	0
10	123.20	7,885	-19	1,800	40	1,710	0	60	0
11	122.63	7,625	-260	1,920	40	1,951	0	60	0
12	122.16	7,413	-212	2,107	40	2,114	0	60	0
13	122.56	7,593	+180	2,631	40	2,440	0	60	0
14	122.55	7,589	-4	2,719	40	2,620	0	60	1
15	122.53	7,580	-9	2,727	40	2,631	0	60	1
16	122.44	7,539	-41	2,715	40	2,635	0	60	1
17	122.38	7,512	-27	2,724	40	2,638	0	60	0
18	122.37	7,508	-4	2,723	40	2,625	0	60	0
19	122.30	7,476	-32	2,723	40	2,639	0	60	0
20	122.25	7,454	-22	2,725	40	2,636	0	60	0
21	122.25	7,454	+0	2,728	40	2,628	0	60	0
22	122.19	7,427	-27	2,720	40	2,634	0	60	0
23	122.94	7,764	+337	3,386	40	3,116	0	60	0
24	122.67	7,643	-121	3,965	40	3,926	0	60	0
25	122.59	7,607	-36	4,018	40	3,936	0	60	0
26	122.72	7,665	+58	4,063	40	3,933	0	60	1
27	122.62	7,620	-45	4,004	40	3,927	0	60	0
28	123.16	7,866	+246	4,165	40	3,941	0	60	0
29	123.53	8,040	+174	4,129	40	3,941	0	60	0
30	124.02	8,271	+231	4,210	40	3,993	0	60	1
31	124.11	8,316	+45	4,067	40	3,944	0	60	0
TOTALS			+356	82,824	1,227	79,553	0	1,860	6
ACRE-FEET			+356	164,281	2,434	157,793	0	3,689	12

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	157,793	FOLSOM SOUTH CANAL	2,434	TOTAL	163,916
SPILL	0	HATCHERY	3,689		

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

Table 13

JANUARY 2003

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: February 25, 2003

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		
		1,358.3									
1	987.64	1,360.4	+2.1	1,109	48	0	0	3	.01	.16	
2	987.59	1,359.9	-0.4	1,004	1,214	0	0	11	.04	.00	
3	987.85	1,362.2	+2.3	1,202	48	0	0	8	.03	.00	
4	988.09	1,364.3	+2.1	1,118	48	0	0	11	.04	.00	
5	988.29	1,366.1	+1.8	944	48	0	0	11	.04	.00	
6	988.55	1,368.3	+2.3	1,209	48	0	0	11	.04	.00	
7	988.71	1,369.7	+1.4	1,037	318	0	0	11	.04	.00	
8	988.92	1,371.6	+1.8	989	48	0	0	11	.04	.00	
9	989.16	1,373.7	+2.1	1,124	48	0	0	11	.04	.00	
10	989.29	1,374.8	+1.1	1,381	803	0	0	0	.00	.62	
11	989.54	1,377.0	+2.2	1,162	48	0	0	3	.01	.20	
12	989.78	1,379.2	+2.1	1,123	48	0	0	9	.03	.02	
13	989.95	1,380.7	+1.5	1,029	263	0	0	11	.04	.00	
14	990.18	1,382.7	+2.0	1,096	48	0	0	23	.08	.00	
15	990.39	1,384.6	+1.9	999	48	0	0	14	.05	.00	
16	990.60	1,386.4	+1.9	991	48	0	0	6	.02	.00	
17	990.61	1,386.5	+0.1	1,041	987	0	0	9	.03	.00	
18	990.80	1,388.2	+1.7	906	48	0	0	11	.04	.00	
19	990.98	1,389.8	+1.6	862	48	0	0	11	.04	.01	
20	991.19	1,391.6	+1.9	1,002	48	0	0	14	.05	.02	
21	991.26	1,392.3	+0.6	1,117	786	0	0	17	.06	.00	
22	991.57	1,395.0	+2.8	1,467	79	0	0	0	.00	.02	
23	991.76	1,396.7	+1.7	1,010	156	0	0	3	.01	.05	
24	991.98	1,398.7	+2.0	1,050	48	0	0	17	.06	.02	
25	992.03	1,399.1	+0.4	822	583	0	0	14	.05	.00	
26	992.21	1,400.7	+1.6	863	48	0	0	6	.02	.03	
27	992.24	1,401.0	+0.3	1,089	945	0	0	9	.03	.01	
28	992.22	1,400.8	-0.2	1,077	1,155	0	0	12	.04	.00	
29	992.45	1,402.8	+2.1	1,163	116	0	0	12	.04	.00	
30	992.64	1,404.5	+1.7	1,012	149	0	0	9	.03	.00	
31	992.72	1,405.3	+0.7	1,103	729	0	0	14	.05	.00	
TOTALS			+47.2	33,101	9,099	0	0	312	1.10	1.16	
ACRE-FEET			+47,200	65,656	18,048	0	0	619			

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	18,048	OUTLET	0
SPILL	0	TOTAL	18,048
		THIS MONTH =	1.16
		JULY 1, 2002 TO DATE =	14.75

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

JANUARY 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
		541						
1	360.00	537	-4	258	0	258	3	0
2	360.00	537	+0	241	0	232	3	0
3	360.00	537	+0	242	0	233	4	0
4	360.00	537	+0	241	0	235	4	0
5	360.00	537	+0	244	0	234	4	0
6	360.00	537	+0	241	0	230	4	0
7	360.00	537	+0	246	0	232	4	0
8	360.00	537	+0	249	0	233	4	0
9	360.00	537	+0	254	0	231	4	0
10	360.00	537	+0	247	0	230	4	0
11	360.00	537	+0	255	0	237	4	0
12	360.00	537	+0	246	0	234	4	0
13	360.00	537	+0	241	0	233	4	0
14	360.00	537	+0	242	0	234	4	0
15	360.00	537	+0	242	0	234	4	0
16	360.00	537	+0	242	0	237	4	0
17	360.00	537	+0	244	0	235	4	0
18	360.00	537	+0	251	0	232	4	0
19	360.00	537	+0	251	0	230	4	0
20	360.00	537	+0	251	0	230	4	0
21	360.00	537	+0	253	0	233	3	0
22	360.00	537	+0	254	0	236	2	0
23	360.00	537	+0	253	0	235	2	0
24	360.05	541	+4	274	0	261	2	0
25	360.05	541	+0	286	0	273	2	0
26	360.03	539	-2	280	0	270	2	0
27	360.49	571	+32	795	0	810	2	0
28	360.47	570	-1	913	0	972	2	0
29	360.08	543	-27	459	0	519	2	0
30	360.08	543	+0	338	0	342	2	0
31	360.19	550	+7	417	0	417	3	0
TOTALS			+9	9,450	0	9,252	102	0
ACRE-FEET			+9	18,744	0	18,351	202	0

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

SUMMARY
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	202	OUTLET	0
SOUTH MAIN CANAL	0	SPILL	18,351
		TOTAL	18,553

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

JANUARY 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			
		306.9									
1	528.24	308.5	+1.6	1,041	0	106	0	102	8	.07	
2	528.56	309.7	+1.2	695	0	0	0	102	4	.03	
3	528.95	311.1	+1.4	822	0	0	0	102	2	.02	
4	529.39	312.7	+1.6	923	0	0	0	103	6	.05	
5	530.00	314.9	+2.2	1,235	0	0	0	103	2	.02	
6	530.62	317.2	+2.3	1,255	0	0	0	103	1	.01	
7	531.31	319.8	+2.6	1,391	0	0	0	103	2	.02	
8	531.77	321.5	+1.7	964	0	0	0	103	1	.01	
9	532.35	323.6	+2.2	1,193	0	0	0	103	1	.01	
10	532.92	325.8	+2.1	1,177	0	0	0	103	1	.01	
11	533.38	327.5	+1.7	979	0	0	0	103	4	.03	
12	533.94	329.6	+2.1	1,171	0	0	0	103	6	.05	
13	534.53	331.8	+2.2	1,239	0	0	0	103	10	.08	
14	535.10	334.0	+2.2	1,201	0	0	0	103	9	.07	
15	535.69	336.3	+2.3	1,242	0	0	0	103	4	.03	
16	536.25	338.4	+2.1	1,407	0	209	0	104	14	.11	
17	536.47	339.2	+0.8	1,034	0	503	0	104	1	.01	
18	536.74	340.3	+1.0	1,133	0	504	0	104	2	.02	
19	537.01	341.3	+1.0	1,136	0	505	0	104	4	.03	
20	537.15	341.9	+0.5	887	0	505	0	105	4	.03	
21	537.61	343.6	+1.8	1,172	0	169	0	105	1	.01	
22	537.96	345.0	+1.4	1,060	0	272	0	105	1	.01	
23	538.38	346.6	+1.6	1,293	0	359	0	105	5	.04	
24	539.15	349.6	+3.0	1,735	0	114	0	105	3	.02	
25	539.87	352.4	+2.8	1,532	0	0	0	105	4	.03	
26	540.33	354.3	+1.8	1,209	0	184	0	105	9	.07	
27	540.59	355.3	+1.0	967	0	333	0	105	14	.11	
28	540.95	356.7	+1.4	1,199	0	380	0	105	1	.01	
29	541.36	358.3	+1.6	1,361	0	438	0	105	1	.01	
30	541.51	358.9	+0.6	1,032	0	625	0	105	3	.02	
31	541.99	360.8	+1.9	1,764	0	697	0	105	5	.04	
TOTALS			+53.9	36,449	0	5,903	0	3,218	133	1.08	.66
ACRE-FEET			+53,947	72,297	0	11,709	0	6,383	264		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS	RIVER		
FRIANT-KERN	AT FRIANT	THIS MONTH =	0.66
MADERA	TOTAL RELEASES	JULY 1, 2002 TO DATE =	5.53

Table 16

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

January 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	NDOJ daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
1-Jan-03	57,452	205	11,344	820	2,185	2,235	2,218	72,006	-3,549	4,993	4,213	60	0	19	9,286	7,949	66,270	38,775	66,270	12.8%	14.1%	15.7%
2-Jan-03	63,415	199	18,067	765	2,218	2,213	2,234	84,664	-3,599	4,992	4,207	62	0	17	9,278	9,012	78,986	45,100	72,628	10.9%	12.9%	17.0%
3-Jan-03	64,675	193	24,804	606	2,249	2,201	2,225	92,527	-1,823	7,393	4,222	70	0	17	11,702	10,007	82,649	52,436	75,968	12.6%	12.0%	18.0%
4-Jan-03	65,327	187	25,232	553	2,207	2,189	2,200	93,506	-960	7,347	4,202	13	0	16	11,578	10,788	82,888	60,471	77,698	12.4%	12.0%	18.6%
5-Jan-03	63,857	180	12,857	533	2,125	2,176	2,175	79,552	-782	7,340	4,201	78	0	15	11,633	11,568	68,701	66,213	75,899	14.5%	13.1%	19.3%
6-Jan-03	61,353	174	4,303	515	2,074	2,154	2,149	68,419	1,450	7,340	4,195	73	0	6	11,613	11,542	55,356	68,503	72,475	16.9%	14.3%	18.9%
7-Jan-03	56,993	174	2,366	503	2,020	2,126	2,126	62,056	1,400	7,291	4,225	98	0	3	11,617	11,530	49,038	69,127	69,127	18.6%	16.5%	18.8%
8-Jan-03	50,708	173	2,303	486	1,988	2,083	2,100	55,658	1,400	7,295	4,252	225	0	10	11,781	11,532	42,477	65,728	65,796	20.7%	18.6%	18.7%
9-Jan-03	44,135	173	2,262	476	1,920	2,026	2,072	48,966	1,350	6,709	4,248	249	0	16	11,222	11,340	36,394	59,643	62,529	22.4%	20.4%	18.4%
10-Jan-03	38,272	172	2,254	477	1,848	1,972	2,048	43,023	-69	7,286	4,206	251	0	13	11,755	11,332	31,337	52,313	59,409	26.7%	23.0%	18.3%
11-Jan-03	34,544	172	2,602	507	1,828	1,933	2,030	39,653	-754	6,555	4,194	2,520	0	10	13,278	11,066	27,129	44,347	56,475	27.1%	25.2%	17.8%
12-Jan-03	33,393	171	2,652	595	1,856	1,911	2,021	38,667	-804	7,062	4,247	254	0	10	11,572	11,183	27,899	38,519	54,094	29.2%	27.6%	17.9%
13-Jan-03	35,739	171	2,682	600	1,918	1,917	2,024	41,110	-804	7,166	4,251	254	0	10	11,680	11,158	30,234	34,930	52,258	27.8%	28.0%	17.9%
14-Jan-03	39,808	171	4,437	561	2,063	1,928	2,027	47,040	-854	7,350	4,255	256	0	11	11,872	11,443	36,022	33,070	51,099	24.7%	27.1%	18.5%
15-Jan-03	43,231	171	3,496	541	2,065	1,946	2,028	49,504	515	2,342	4,266	254	0	0	6,862	9,876	42,127	33,020	50,500	13.3%	21.5%	16.4%
16-Jan-03	50,969	171	3,098	530	2,045	1,965	2,025	56,813	1,150	2,320	4,259	257	0	0	6,835	8,264	48,828	34,796	50,396	11.6%	16.2%	14.2%
17-Jan-03	60,128	171	15,472	513	1,980	1,981	2,020	78,264	1,150	2,312	4,269	257	0	0	6,837	6,589	70,277	40,359	51,565	8.4%	10.7%	11.5%
18-Jan-03	64,847	171	24,903	500	1,942	1,986	2,013	92,363	1,100	2,294	4,273	256	0	0	6,823	6,576	84,440	48,547	53,392	7.1%	8.7%	11.5%
19-Jan-03	64,573	171	13,601	498	1,890	1,976	2,005	80,733	1,100	2,295	4,275	254	0	0	6,824	6,573	72,809	54,962	54,414	8.1%	7.8%	11.5%
20-Jan-03	62,604	171	4,536	508	1,850	1,942	1,995	69,669	1,100	2,289	4,236	257	0	0	6,783	6,554	61,786	59,470	54,782	9.4%	8.1%	11.4%
21-Jan-03	59,198	170	2,525	508	1,821	1,901	1,985	64,222	822	7,189	4,261	258	0	0	11,708	8,182	51,693	61,708	54,635	17.8%	11.4%	14.2%
22-Jan-03	54,531	170	2,499	508	1,781	1,859	1,975	59,489	594	7,194	4,250	236	0	0	11,680	9,807	47,215	62,435	54,298	19.2%	15.2%	17.0%
23-Jan-03	50,004	169	2,589	513	1,751	1,825	1,964	55,026	315	7,037	4,252	253	0	10	11,551	11,394	43,160	61,626	53,814	20.5%	19.1%	19.6%
24-Jan-03	47,044	168	3,106	536	1,737	1,794	1,954	52,591	315	6,952	4,253	258	0	10	11,473	11,312	40,803	57,415	53,271	21.3%	20.3%	19.2%
25-Jan-03	47,577	167	2,742	628	1,728	1,770	1,945	52,842	315	4,697	4,306	253	0	11	9,266	10,499	43,261	51,532	52,871	17.0%	19.6%	17.5%
26-Jan-03	49,463	167	1,554	648	1,719	1,750	1,936	53,551	544	4,688	4,305	256	0	11	9,260	9,733	43,747	47,381	52,520	16.8%	18.4%	16.0%
27-Jan-03	51,135	166	0	621	1,715	1,735	1,928	53,637	722	4,671	4,300	271	0	18	9,260	8,989	43,655	44,791	52,192	16.7%	16.9%	14.5%
28-Jan-03	52,089	167	0	614	1,712	1,731	1,922	54,582	950	4,645	4,324	255	0	25	9,249	8,978	44,382	43,746	51,913	16.4%	16.6%	14.4%
29-Jan-03	52,034	167	0	621	1,753	1,771	1,925	54,575	950	7,294	4,306	255	0	23	11,878	9,847	41,747	42,965	51,562	21.3%	18.1%	15.7%
30-Jan-03	51,184	168	0	620	2,035	1,822	1,931	54,007	950	7,279	4,310	255	0	26	11,869	10,719	41,187	42,683	51,217	21.5%	19.7%	17.1%
31-Jan-03	49,703	168	0	590	2,090	1,846	1,930	52,551	900	7,290	4,306	256	0	27	11,879	11,595	39,772	42,536	50,847	22.1%	21.6%	19.1%
Total	1,619,985	5,388	198,286	17,494	60,113	60,665	63,129	1,901,266	5,093	178,906	131,866	8,801	0	333	319,905	306,935	1,576,267	1,559,148	1,805,912	545.7%	535.0%	514.5%
Average	52,258	174	6,396	564	1,939	1,957	2,036	61,331	164	5,771	4,254	284	0	11	10,320	9,901	50,847	50,295	1,805,912	17.6%	17.3%	16.6%

JANUARY 2003

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

RUN DATE: February 25, 2003

DAY	ELEV	STORAGE ACRE-FEET		SAN LUIS PUMPING C.F.S.	RELEASE - C.F.S.			GAIN(+) OR LOSS(-) C.F.S.	EVAPORATION C.F.S.	INCHES	PRECIP INCHES
		IN LAKE	CHANGE		POWER	PACHECO TUNNEL	SPILL				
		1,010,089									
1	454.74	1,019,644	+9,555	4,996	0	86	0	-93	33	.10	.00
2	455.86	1,030,947	+11,303	6,008	0	99	0	-210	16	.05	.00
3	457.28	1,045,336	+14,389	7,685	0	118	0	-313	10	.03	.00
4	458.73	1,060,097	+14,761	7,920	0	105	0	-373	10	.03	.00
5	461.00	1,083,342	+23,245	12,369	0	95	0	-555	3	.01	.00
6	462.27	1,096,419	+13,077	7,065	0	107	0	-365	27	.08	.01
7	463.84	1,112,655	+16,236	8,443	0	108	0	-150	10	.03	.00
8	465.58	1,130,739	+18,084	9,624	0	118	0	-388	3	.01	.00
9	467.37	1,149,442	+18,703	9,903	0	102	0	-372	0	.00	.00
10	468.93	1,165,822	+16,380	8,379	0	67	0	-54	3	.01	.49
11	470.54	1,182,804	+16,982	8,943	0	18	0	-363	0	.00	.13
12	472.99	1,208,798	+25,994	13,773	0	18	0	-650	7	.02	.02
13	474.31	1,222,877	+14,079	7,422	0	18	0	-306	7	.02	.00
14	476.11	1,242,182	+19,305	10,020	0	18	0	-269	14	.04	.00
15	476.91	1,250,792	+8,610	4,650	0	20	0	-289	7	.02	.00
16	477.61	1,258,342	+7,550	4,028	0	33	0	-189	11	.03	.00
17	478.33	1,266,123	+7,781	4,249	0	19	0	-307	11	.03	.00
18	479.09	1,274,354	+8,231	4,429	0	20	0	-259	11	.03	.00
19	480.17	1,286,081	+11,727	6,328	0	18	0	-397	11	.03	.00
20	480.63	1,291,086	+5,005	2,791	0	102	0	-165	0	.00	.00
21	481.98	1,305,814	+14,728	8,775	0	167	0	-1,183	14	.04	.02
22	483.15	1,318,623	+12,809	7,041	0	120	0	-463	11	.03	.00
23	484.55	1,334,005	+15,382	8,457	0	99	0	-603	7	.02	.00
24	485.79	1,347,678	+13,673	6,994	0	90	0	-11	11	.03	.00
25	486.97	1,360,733	+13,055	6,675	0	86	0	-7	7	.02	.00
26	488.64	1,379,282	+18,549	9,437	0	81	0	-4	4	.01	.00
27	489.49	1,388,755	+9,473	4,866	0	86	0	-4	4	.01	.00
28	490.29	1,397,691	+8,936	4,556	0	43	0	-7	7	.02	.00
29	491.64	1,412,814	+15,123	7,671	0	22	0	-25	25	.07	.00
30	492.88	1,426,753	+13,939	7,074	0	24	0	-22	22	.06	.00
31	493.84	1,437,576	+10,823	5,494	0	23	0	-15	15	.04	.00
TOTALS			+427,487	226,065	0	2,130	0	-8,411	321	.92	.67
ACRE-FEET			+427,487	448,400	0	4,225	0	-16,683	637		

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	0	SPILL	0
PACHECO TUNNEL	4,225	TOTAL	4,225
		THIS MONTH =	.67
		JULY 1, 2002 TO DATE =	5.67

JANUARY 2003

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

RUN DATE: February 25, 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		
		43,230									
1	219.49	41,836	-1,394	3,617	0	4,564	0	4,996	3,867		-20
2	220.30	43,931	+2,095	3,733	0	4,285	0	6,008	1,237		+282
3	221.70	47,598	+3,667	3,781	0	6,655	0	7,685	1,347		+445
4	222.41	49,474	+1,876	3,870	0	6,841	0	7,920	2,309		+464
5	219.25	41,221	-8,253	3,783	0	6,907	0	12,369	2,793		+310
6	221.31	46,574	+5,353	3,736	0	6,867	0	7,065	1,372		+532
7	221.99	48,360	+1,786	3,733	0	6,878	0	8,443	1,799		+531
8	221.52	47,125	-1,235	3,705	0	6,798	0	9,624	1,922		+421
9	221.32	46,600	-525	3,680	0	6,744	0	9,903	1,625		+839
10	222.69	50,219	+3,619	3,676	0	7,070	0	8,379	1,179		+636
11	223.07	51,233	+1,014	3,643	0	6,728	0	8,943	1,170		+254
12	219.62	42,170	-9,063	3,646	0	6,351	0	13,773	1,306		+513
13	221.15	46,154	+3,984	3,667	0	6,541	0	7,422	1,281		+504
14	220.80	45,237	-917	3,699	0	6,813	0	10,020	1,419		+465
15	220.41	44,218	-1,019	3,691	0	2,257	0	4,650	1,966		+154
16	220.61	44,740	+522	3,723	0	2,262	0	4,028	1,934		+240
17	220.67	44,897	+157	3,691	0	2,197	0	4,249	1,913		+353
18	220.52	44,505	-392	3,695	0	2,079	0	4,429	1,837		+293
19	218.88	40,280	-4,225	3,695	0	2,135	0	6,328	1,955		+323
20	219.94	42,997	+2,717	3,648	0	2,045	0	2,791	2,022		+490
21	219.99	43,126	+129	3,635	0	5,243	0	8,775	1,876		+1,838
22	221.27	46,469	+3,343	3,529	0	6,187	0	7,041	2,189		+1,199
23	221.29	46,521	+52	3,431	0	6,586	0	8,457	2,294		+759
24	222.32	49,235	+2,714	3,415	0	6,579	0	6,994	2,182		+551
25	221.80	47,861	-1,374	3,440	0	4,700	0	6,675	2,200		+42
26	219.20	41,093	-6,768	3,485	0	3,938	0	9,437	2,023		+625
27	219.75	42,505	+1,412	3,473	0	3,887	0	4,866	2,002		+219
28	220.31	43,957	+1,452	3,350	0	4,224	0	4,556	2,381		+95
29	220.02	43,204	-753	3,412	0	6,388	0	7,671	2,947		+439
30	220.14	43,515	+311	3,420	0	6,969	0	7,074	3,443		+284
31	221.07	45,944	+2,429	3,447	0	6,479	0	5,494	3,367		+214
TOTALS			+2,714	112,149	0	164,197	0	226,065	63,157		+14,294
ACRE-FEET			+2,714	222,448	0	325,685	0	448,400	125,272	109	28,352

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

SUMMARY
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	125,272
SAN LUIS PUMP	448,400	DELIVERIES	109
		TOTAL	573,781

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

Table 19

JANUARY 2003

FEDERAL-STATE OPERATIONS
 SAN LUIS UNIT

RUN DATE: February 25, 2003

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	FED	STATE	GENER TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	9,052	0	9,052	7,174	0	7,174	0	6,254	3,656	9,910	0	0	0	170	1,343	6,327	7,670
2	8,500	0	8,500	7,405	0	7,405	0	6,262	5,655	11,917	0	0	0	197	1,305	1,148	2,453
3	13,200	0	13,200	7,499	0	7,499	0	6,337	8,907	15,244	0	0	0	234	469	2,202	2,671
4	13,569	0	13,569	7,676	0	7,676	0	5,986	9,724	15,710	0	0	0	209	521	4,058	4,579
5	13,700	0	13,700	7,504	0	7,504	0	11,538	12,995	24,533	0	0	0	188	528	5,011	5,539
6	13,621	0	13,621	7,411	0	7,411	0	6,276	7,737	14,013	0	0	0	213	523	2,199	2,722
7	13,643	0	13,643	7,405	0	7,405	0	5,121	11,626	16,747	0	0	0	214	534	3,034	3,568
8	13,483	0	13,483	7,348	0	7,348	0	5,080	14,009	19,089	0	0	0	235	523	3,289	3,812
9	13,377	0	13,377	7,300	0	7,300	0	7,862	11,781	19,643	0	0	0	202	532	2,692	3,224
10	14,024	0	14,024	7,292	0	7,292	0	6,113	10,506	16,619	0	0	0	132	529	1,810	2,339
11	13,345	0	13,345	7,225	0	7,225	0	5,788	11,950	17,738	0	0	0	36	542	1,779	2,321
12	12,598	0	12,598	7,232	0	7,232	0	12,138	15,181	27,319	0	0	0	36	1,060	1,531	2,591
13	12,975	0	12,975	7,273	0	7,273	0	5,742	8,980	14,722	0	0	0	36	1,188	1,353	2,541
14	13,514	0	13,514	7,336	0	7,336	0	7,562	12,313	19,875	0	0	0	36	1,073	1,742	2,815
15	4,477	0	4,477	7,321	0	7,321	0	4,809	4,414	9,223	0	0	0	39	1,138	2,762	3,900
16	4,487	0	4,487	7,385	0	7,385	0	5,915	2,075	7,990	0	0	0	65	1,159	2,678	3,837
17	4,357	0	4,357	7,321	0	7,321	0	5,923	2,504	8,427	0	0	0	38	1,177	2,617	3,794
18	4,124	0	4,124	7,330	0	7,330	0	5,472	3,312	8,784	0	0	0	39	1,941	1,703	3,644
19	4,234	0	4,234	7,329	0	7,329	0	12,575	-24	12,551	0	0	0	36	1,859	2,018	3,877
20	4,056	0	4,056	7,235	0	7,235	0	4,913	623	5,536	0	0	0	203	1,966	2,044	4,010
21	10,400	0	10,400	7,211	0	7,211	0	5,426	11,979	17,405	0	0	0	331	1,929	1,793	3,722
22	12,271	0	12,271	7,000	0	7,000	0	4,641	9,324	13,965	0	0	0	238	1,959	2,382	4,341
23	13,064	0	13,064	6,806	0	6,806	0	4,928	11,846	16,774	0	0	0	196	1,931	2,619	4,550
24	13,049	0	13,049	6,774	0	6,774	0	6,824	7,049	13,873	0	0	0	178	1,992	2,336	4,328
25	9,323	0	9,323	6,823	0	6,823	0	5,932	7,307	13,239	0	0	0	170	1,990	2,374	4,364
26	7,811	0	7,811	6,912	0	6,912	0	9,230	9,488	18,718	0	0	0	161	2,790	1,223	4,013
27	7,710	0	7,710	6,889	0	6,889	0	4,442	5,209	9,651	0	0	0	170	2,778	1,192	3,970
28	8,378	0	8,378	6,645	0	6,645	0	5,068	3,968	9,036	0	0	0	86	2,833	1,890	4,723
29	12,670	0	12,670	6,768	0	6,768	0	6,365	8,851	15,216	0	0	0	43	2,800	3,045	5,845
30	13,824	0	13,824	6,783	0	6,783	0	6,329	7,702	14,031	0	0	0	48	2,834	3,995	6,829
31	12,852	0	12,852	6,837	0	6,837	0	5,332	5,566	10,898	0	0	0	45	2,786	3,892	6,678
TOTAL	325,688	0	325,688	222,449	0	222,449	0	448,396	448,396	896,792	0	0	0	4,224	TOTAL	125,270	125,270
FEDERAL	0	0	0	222,449	0	222,449	0	FEDERAL	202,183	FEDERAL	0	0	0	FEDERAL	46,532	46,532	46,532
STATE	325,688	0	325,688	STATE	0	STATE	0	STATE	246,213	STATE	0	0	0	STATE	78,738	78,738	78,738
															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

JANUARY 2003

FEDERAL-STATE OPERATIONS

RUN DATE: February 25, 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	8,357	0	8,357	9,904	9,947	0	9,947	0	0	0	7,743	0	7,743	1,183	
2	8,344	0	8,344	9,902	10,031	0	10,031	0	0	0	3,208	0	3,208	939	
3	8,374	0	8,374	14,664	14,341	0	14,341	0	0	0	2,227	0	2,227	875	
4	8,335	0	8,335	14,573	14,379	0	14,379	0	0	0	2,974	0	2,974	659	
5	8,332	0	8,332	14,559	14,516	0	14,516	0	0	0	4,352	0	4,352	828	
6	8,320	0	8,320	14,559	14,365	0	14,365	0	0	0	2,909	0	2,909	909	
7	8,380	0	8,380	14,462	14,355	0	14,355	0	0	0	2,336	0	2,336	975	
8	8,433	0	8,433	14,469	14,253	0	14,253	0	0	0	2,022	0	2,022	1,085	
9	8,426	0	8,426	13,307	14,255	0	14,255	0	0	0	1,222	0	1,222	1,126	
10	8,343	0	8,343	14,451	14,279	0	14,279	0	0	0	530	0	530	1,051	
11	8,318	0	8,318	13,001	14,228	0	14,228	0	0	0	687	0	687	1,093	
12	8,423	0	8,423	14,008	14,201	0	14,201	0	0	0	625	0	625	1,191	
13	8,431	0	8,431	14,213	13,890	0	13,890	0	0	0	519	0	519	1,158	
14	8,439	0	8,439	14,579	14,128	0	14,128	0	0	0	866	0	866	1,103	
15	8,462	0	8,462	4,645	4,817	0	4,817	0	0	0	1,493	0	1,493	1,141	
16	8,447	0	8,447	4,602	4,752	0	4,752	0	0	0	1,403	0	1,403	1,062	
17	8,467	0	8,467	4,586	4,866	0	4,866	0	0	0	1,728	0	1,728	1,146	
18	8,476	0	8,476	4,550	4,486	0	4,486	0	0	0	1,100	0	1,100	1,146	
19	8,479	0	8,479	4,553	4,682	0	4,682	0	0	0	1,591	0	1,591	1,150	
20	8,403	0	8,403	4,541	4,541	0	4,541	0	0	0	1,170	0	1,170	1,168	
21	8,452	0	8,452	14,259	13,979	0	13,979	0	0	0	1,272	0	1,272	1,241	
22	8,430	0	8,430	14,269	14,075	0	14,075	0	0	0	1,977	0	1,977	1,430	
23	8,433	0	8,433	13,957	14,215	0	14,215	0	0	0	1,887	0	1,887	1,627	
24	8,463	0	8,463	13,789	14,413	0	14,413	0	0	0	1,717	0	1,717	1,689	
25	8,541	0	8,541	9,316	9,467	0	9,467	0	0	0	1,668	0	1,668	1,718	
26	8,538	0	8,538	9,299	9,191	0	9,191	0	0	0	1,261	0	1,261	1,626	
27	8,530	0	8,530	9,265	9,093	0	9,093	0	0	0	1,255	0	1,255	1,641	
28	8,576	0	8,576	9,214	9,150	0	9,150	0	0	0	2,314	0	2,314	1,931	
29	8,541	0	8,541	14,468	14,274	0	14,274	0	0	0	2,547	0	2,547	1,773	
30	8,549	0	8,549	14,437	14,287	0	14,287	0	0	0	3,935	0	3,935	1,766	
31	8,541	0	8,541	14,459	14,136	0	14,136	0	0	0	3,040	0	3,040	1,704	
TOTALS	261,583	0	261,583	354,860	355,592	0	355,592	0	0	0	63,578	0	63,578	39,134	

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
Arvin-Edison WSD	1707												1707
Atwell Island WD	0												0
Delano-Earlimart ID	0												0
Exeter ID	0												0
City of Fresno	0												0
County of Fresno SA #34	4												4
Fresno ID	0												0
Garfield WD	0												0
Hills Valley ID	0												0
International WD	25												25
Ivanhoe ID	0												0
Kaweah Delta WCD	0												0
Kern County Water Agency	0												0
Kern-Tulare WD	0												0
Lewis Creek WD	0												0
Lindmore ID	0												0
City of Lindsay	0												0
Lindsay-Strathmore ID	5												5
Lower Tule River ID	0												0
North-Kern WSD	0												0
City of Orange Cove	70												70
Orange Cove ID	0												0
Pixley ID	0												0
Porterville ID	0												0
Rag Gulch WD	0												0
Rosedale Rio Bravo WSD	0												0
Saucelito ID	0												0
Semitropic WSD	0												0
Shafter Wasco ID	541												541
Southern San Joaquin MUD	0												0
Smallwood Vineyards	0												0
Stone Corral ID	0												0
Strathmore PUD	0												0
Styro Tek, Inc.	0												0
Tea Pot Dome WD	0												0
Terra Bella ID	0												0
Tri-Valley WD	0												0
Tulare ID	0												0
Total	2352	0	0	0	0	0	0	0	0	0	0	0	2352

* 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
Madera ID	0												0
Soquel	0												0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
MILLERTON LAKE													
County of Madera	1												1
Fresno County # 18	5												5
Gravelly Ford WD	0												0
Total	6	0	0	0	0	0	0	0	0	0	0	0	6

* 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
Broadview WD	1013												1013
CCID (Abv CK 13)	240												240
CCID (Blw CK 13)	0												0
Centinella WD	0												0
China Island (76.05)	0												0
Del Puerto WD	151												151
DWR Intertie @MP7.70-R	0												0
Eagle Field WD	59												59
Firebaugh Canal	2202												2202
Frietas Unit (76.05L)	0												0
Mercy Springs WD	0												0
Oro Loma WD	0												0
Panoche WD - Ag	422												422
Panoche WD - M&I	2												2
Patterson WD	0												0
Plainview WD	19												19
Salt Slough Unit (76.05L)	0												0
San Luis WD - Ag	38												38
San Luis WD - M&I	1												1
Tracy, City of	104												104
West Side ID	0												0
Widren	0												0
W. Stanislaus ID	0												0
F&G - Los Banos Ref. 76.05L	0												0
Volta Wildlife Mgmt Area (F&G)	109												109
Grasslands WD -76.05L	5851												5851
Grasslands WD - Volta	1286												1286
F&S (Volta) Santa Fee Kest.	0												0
F&S - Kesterson 76.05L	0												0
Total DMC Deliveries	11497	0	0	0	0	0	0	0	0	0	0	0	11497
Oneill Net Pumped	222449												222449
DMC plus Oneill	233946	0	0	0	0	0	0	0	0	0	0	0	233946

* 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												0
Broadview WD	4												0
City of Coalinga	310												0
City of Dos Palos	62												0
City of Huron	43												0
Pacheco WD	225												0
Pacheco CCID Non-project (Hamburg)	457												457
Panoche WD	3032												3032
San Luis WD	1677												1677
Westlands WD (Federal)	54952												54952
Phase I (Non-chargeable)	1												1
Fish & Game (Lateral 4)	1												1
Fish & Game (Lateral 6)	0												0
Total	60947	0	0	0	0	0	0	0	0	0	0	0	60947
O'NEILL FOREBAY DELIVERIES													
Oneill Forebay Wildlife	40												40
San Luis WD Ag	32												32
San Luis M&I	37												37
VA Cemetary	1												1
Total	110	0	0	0	0	0	0	0	0	0	0	0	110
CROSS VALLEY CANAL													
Arvin Edison WSD	0												0
Kern-Tulare	0												0
Pixley ID	0												0
Rag Gulch	0												0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FELIPE DIVISION													
Santa Clara	3970												3970
San Benito	254												254
Total	4224	0	0	0	0	0	0	0	0	0	0	0	4224

* 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												73
Cortina WD	0												0
Davis WD	0												0
Dunnigan WD	8												8
4-M Water District	0												0
GCID	0												0
Glenn Valley WD	0												0
Glide WD	0												0
Holthouse WD	0												0
Kanawha WD	3												3
Kirkwood WD	0												0
La Grande WD	0												0
Myers-Marsh MWC	0												0
Orland-Artois WD	14												14
Westside WD	0												0
Total	98	0	0	0	0	0	0	0	0	0	0	0	98

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
Anderson Cottonwood ID	0												0
Andreotti, Arthur, et al	0												0
Baber, Jack, et	0												0
A&R Farms (Odysseus)	0												0
Cannel, Fred	0												0
Carter, Jane	0												0
Colusa Prop. Inc	0												0
Conaway Conservancy Group	0												0
Davis, Olive P, et al	0												0
Deseret Farms of Calif	0												0
Dommer, Elizabeth	0												0
Forry, David G, et al	0												0
Forster, Rosemary	0												0
Furlan Joint Venture (Area #1)	0												0
Furlan Joint Venture (Area #2)	0												0
Glenn-Colusa ID	0												0
Griffin, J, et al	0												0
Henle Family Limited Partnership	0												0
Hershey Land Co	0												0
Hiatt, Glenn	0												0
Hollins, Mariette B	0												0
Howald Farms	0												0
King, Barbara	0												0
Knaggs Walnut Ranches Co, L.P.	0												0
Lockett, William P.	0												0
Loma Cold Storage/J Micheli	0												0
M&T Inc.	0												0
MCM Properties, Inc	0												0
Maxwell ID	0												0
Meridan Farms WC	0												0
Natomas Central MWC	0												0
O'Brien, Janice	0												0
Oji Bros. Farms Inc	0												0
Oji, Mitsue Family PTN	0												0
Pelger Mutual WC	0												0
Pleasant Grove-Verona MWC	0												0
Princeton,-Codora-Glenn ID	0												0
Provident Irrigation District	0												0
Reclamation Dist #108	0												0
Reclamation Dist #1004	0												0
Reynen, John, et al	0												0
River Garden Farms	0												0
Roberts Ditch Irrigation Co	0												0
Sartain Mutual WC	0												0
Siddiqui, J & A & Siddiqui Family Plan	0												0
Spence, Ruth Ann	0												0
Sutter Mutual WC	0												0
Swinford Tract Irrigation Co	0												0
Tarke, James, et al	0												0
Tisdale Irrigation & Drain	0												0
Wallace Construction, Inc.	0												0
Wells, Joyce M	0												0
Wilson Ranch Partnership	0												0
Windswept Land & Livestock Co.	0												0
Total	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
 2003**

Mean monthly flow in cfs

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

* 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
	Jan 03	Jul 02 - Jan 03	Jul 02 - Jan 03	Season Total	of Jul-Jun Season TOTAL	WY 01 Total Oct 02 - Jan 03
Alturas	0.75	3.05	1.45	12.48	24	2.92
Auberry	0.50	10.89	4.77	25.15	43	10.89
Auburn	1.94	16.48	6.28	33.66	49	16.48
Bakersfield	0.03	2.73	1.06	6.12	45	2.73
Blue Canyon	4.95	30.13	12.33	64.24	47	30.07
Cachuma	0.06	9.43	4.26	20.74	45	9.29
Calaveras Big Trees	1.71	23.27	10.66	54.99	42	23.27
Callahan	2.45	18.85	3.68	21.51	88	18.52
Colfax	3.84	25.70	9.32	47.47	54	25.32
Crane Valley	1.02	16.50	8.13	40.31	41	16.50
East Park	3.64	14.09	3.86	17.92	79	14.09
Folsom	1.25	10.72	4.85	24.64	44	10.72
Ft. Jones	3.65	20.79	4.15	21.69	96	20.17
Fresno	0.50	4.50	1.84	10.24	44	4.50
Friant Dam	0.58	5.42	2.67	14.40	38	5.42
Hetch Hetchy	0.94	16.55	6.20	35.93	46	16.29
Huntington	0.52	21.56	7.64	43.14	50	21.45
Georgetown	2.20	20.68	10.72	54.14	38	20.68
Lake Spaulding	6.02	42.51	13.00	69.73	61	42.43
Markley Cove (Berryessa)	2.02	21.36	5.94	25.53	84	21.36
McCloud	4.94	32.89	8.78	49.51	66	32.82
Mt. Shasta	4.66	36.12	6.86	38.51	94	35.17
New Melones	1.16	14.75	5.66	26.70	55	14.75
Pacific House	1.20	21.36	9.42	5.12	417	21.36
Placerville	2.00	16.77	7.57	38.85	43	16.77
Sacramento	1.13	9.31	3.80	18.42	51	8.98
Salt Springs	1.69	22.55	8.42	45.51	50	22.55
San Luis	0.67	5.32	1.94	9.81	54	5.32
Shasta Dam	5.88	48.97	11.64	61.59	80	48.93
Soda Springs	3.97	33.63	10.56	58.99	57	33.28
Sly Park	1.88	20.42	9.54	49.66	41	20.37
Stony Gorge	3.16	15.89	3.80	18.59	85	15.87
Susanville Airport	2.31	13.03	3.26	18.10	72	13.03
Tiger Creek	1.78	20.79	8.96	46.84	44	20.79
Trinity River Hatchery	4.64	24.24	6.33	34.21	71	24.18
Twin Lakes	1.48	17.20	8.63	47.56	36	16.72
Weaverville Ranger St.	6.00	29.53	7.50	38.52	77	29.28
Whiskeytown Dam	7.95	49.01	11.76	62.17	79	49.01
Yosemite Valley Hdqts.	0.91	22.58	6.52	36.88	61	21.42
Klamath Experiment St.	1.83	5.66	1.91	13.02	43	5.64

Data supplied by various agencies.