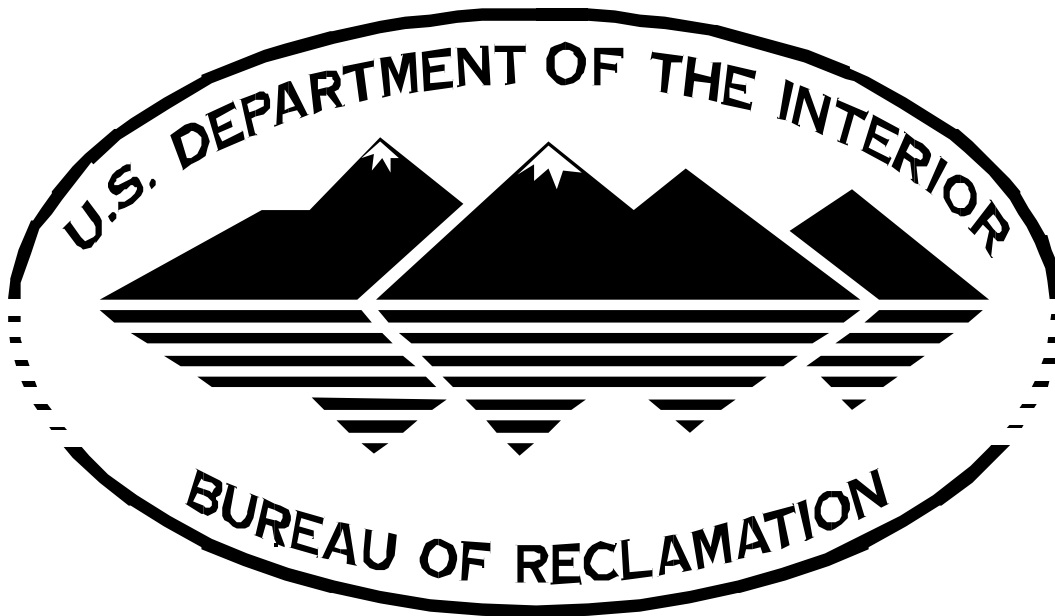


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION**

**CENTRAL VALLEY OPERATIONS OFFICE**

**REPORT OF OPERATIONS**



December 2004

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## SUMMARY OF DECEMBER 2004 OPERATIONS

Sacramento had an average monthly temperature of 48.9 °F which was 1.2 °F above normal. The average temperature at Shasta Dam was 49.4 °F which was 2.8 °F above normal and Huntington Lake was 2.3 °F below normal with an average temperature of 33.9 °F.

Trinity System: Storage in Trinity Lake increased 71,500 acre-feet this month to 1,488,100 acre-feet, which is 61 percent of capacity and 99 percent of the 15 year average for this date. The total inflow for the month was 86,245 acre-feet. The Trinity River release were 300 ft<sup>3</sup>/s. Whiskeytown Lake was operated between elevations 1,200.55 feet and 1,203.18 feet with an end-of-month storage of 211,100 acre-feet. The releases to Clear Creek from Whiskeytown Dam were 200 ft<sup>3</sup>/s. Total diversion from the Trinity River to the Sacramento River watershed for the month was 0 acre-feet.

Shasta-Keswick: Storage in Shasta Lake increased 292,700 acre-feet for an end-of-month storage of 2,417,200 acre-feet, which is 53 percent of capacity and 88 percent of the 15 year average. The total inflow for the month was 479,277 acre-feet. The release to the Sacramento River at Keswick ranged between 4,000 and 4,500 ft<sup>3</sup>/s for the month.

Folsom-Nimbus: Storage in Folsom Lake increased 64,600 acre-feet and had an end-of-month storage of 391,200 acre-feet, which is 40 percent of capacity and 97 percent of the 15 year average for this date. The total inflow for the month was 171,394 acre-feet. The release to the American River at Nimbus ranged between 1,500 and 1,750 ft<sup>3</sup>/s during the month.

New Melones: Storage in New Melones increased 50,500 acre-feet for an end-of-month storage of 1,214,400 acre-feet or 50 percent of capacity and 97 percent of the 15 year average. The release to the Stanislaus River at Goodwin Dam ranged were 275 ft<sup>3</sup>/s for the month. The total inflow for the month was 62,462 acre-feet.

Delta-San Luis: Federal storage in San Luis Reservoir on December 31, 2004, was 611,000 acre-feet compared to the storage a year ago of 701,000 acre-feet.

Friant: Storage in Millerton Lake increased 70,114 acre-feet for an end-of-the month storage of 346,200 acre-feet. The total monthly inflow was 77,924 acre-feet. The release to the San Joaquin River at Friant varied between 120 and 125 ft<sup>3</sup>/s.

CVP Totals: The total diversions to CVP canals were 238,689 acre-feet. The December 31, 2004, storage in the 18 CVP reservoirs was 6,121,000 acre-feet compared to storage 1 year ago of 7,704,000 acre-feet.

Power: Gross power production for the CVP totaled 136,199 megawatt-hours.

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

Table 1

WATERSHED	RESERVOIR	TOTAL CAPACITY	12/31/04	12/31/03	WATERSHED	RESERVOIR	TOTAL CAPACITY	12/31/04	12/31/03
KLAMATH	CLEAR LAKE *	526,800	74,510	76,640	AMERICAN	FOLSOM LAKE *CVP	976,960	391,160	532,510
	GERBER *	94,300	13,840	15,190		LAKE NATOMA *CVP	9,030	7,950	8,180
	UPR KLAMATH LK *	873,300	244,870	211,630	COSUMNES				30,470
TRINITY	TRINITY LAKE*CVP	2,447,700	1,488,120	1,806,180	MOKELUMNE	CAMANCHE	431,500	254,230	64,290
	LEWISTON LAKE*CVP	14,660	13,730	13,810		PARDEE	210,000	171,250	172,270
	WHISKEYTOWN *CVP	241,100	211,080	206,480	SALT SPRINGS	140,000	28,460	38,900	
MCCLOUD	MCCLOUD DIV. RES	35,230	21,270	22,500	CALAVERAS	NEW HOGAN	317,100	95,430	105,270
PIT	IRON CANYON	24,240	11,050	4,550		NEW MELONES*CVP	2,420,000	1,214,380	1,317,740
	LAKE BRITTON	40,620	34,520	33,550		BEARDSLEY	97,800	24,930	65,770
	PIT NO. 6	15,890	11,690	9,600	STANISLAUS				
	PIT NO. 7	34,610	30,360	30,710	DONNELLS	64,320	14,680	18,900	
SACRAMENTO	SHASTA LAKE *CVP	4,552,000	2,417,190	3,345,960	TULLOCH	67,000	43,500	55,310	
	SPRING CREEK *CVP	5,900	1,420	1,040	LAKE ELEANOR	26,100	21,130	16,640	
	KESWICK *CVP	23,800	22,880	22,010	LAKE LLOYD	268,000	249,860	225,560	
	RED BLUFF DIV *CVP	3,920	560	880	TUOLUMNE				
FEATHER	OROVILLE	3,538,000	1,644,210	2,248,200	HETCH-HETCHY	360,400	238,390	252,620	
	THERMALITO DIV RES	13,500	13,250	12,960	NEW DON PEDRO	2,030,000	1,380,280	1,481,370	
	THERMALITO FORE.	14,400	11,410	10,390	TURLOCK LAKE	49,000	4,310	18,540	
	THERMALITO AFTER.	57,000	50,530	24,380	MERCED				
	LAKE ALMANOR	1,143,000	763,360	784,940	EXCHEQUER	1,024,600	294,490	387,530	
STONY CREEK	EAST PARK *	50,900	49,120	49,360	BUCHANAN	150,000	20,980	17,980	
	STONY GORGE *	50,000	38,440	38,000	CRANE VALLEY	45,400	25,170	25,850	
	BLACK BUTTE *CVP	143,700	44,140	32,200	LAKE T.A. EDISON	125,000	65,350	52,120	
PUTAH CREEK	LAKE BERRYESSA *	1,602,300	1,434,940	1,523,990	FLORENCE LAKE	64,600	5,010	1,190	
	LAKE SOLANO *	720	530	570	SAN JOAQUIN				
YUBA	BULLARDS BAR	930,000	457,120	626,090	MAMMOTH POOL	122,700	24,820	27,550	
	SO. YUBA SYSTEM	146,000	NA	41,670	HUNTINGTON LAKE	89,800	25,510	32,410	
	NARROWS	70,000	65,740	64,290	REDINGER LAKE	35,000	23,700	24,550	
BEAR	ROLLINS	65,990	58,120	64,880	SHAVER LAKE	135,400	98,000	114,050	
LITTLE TRUCKEE	STAMPEDE *	226,620	104,200	134,500	MILLERTON LK *CVP	520,500	346,190	253,180	
	BOCA *	41,140	4,800	4,700	FRESNO				
PROSSER	PROSSER CREEK *	29,840	4,900	9,900	HIDDEN	90,000	11,950	11,760	
TRUCKEE	LAKE TAHOE *	732,000	0	3,900	SAN LUIS **CVP	2,040,600	1,283,150	1,316,540	
	RYE PATCH *	190,000	15,800	12,500	O'NEILL FORE.**CVP	56,400	52,010	43,670	
HUMBOLDT					SAN LUIS				
					L BANOS RES**CVP	34,560	19,390	18,850	
CARSON	LAHONTAN *	317,280	103,500	112,000	LT PANOCHE **CVP	5,580	740	720	
	TWIN LAKES	21,600	11,650	12,750	OIL CANYON	2,100	1,960	1,760	
	FRENCH MEADOWS	136,400	51,880	62,070	KINGS				
AMERICAN	HELL HOLE	207,590	69,420	128,350	WISHON	128,300	42,400	48,290	
	LOON LAKE	76,500	34,510	36,880	PINE FLAT	1,001,500	203,620	210,540	
	ICE HOUSE	46,000	26,510	29,890	KAWEAH	143,000	15,990	15,590	
	UNION VALLEY	277,300	161,820	166,300	TULE	82,300	10,320	11,590	
	SLAB CREEK	16,600	14,520	12,890	KERN	588,100	94,080	148,500	
					ISABELLA	588,100	94,080	148,500	
					CUYAMA	240,100	NA	NA	
					SANTA YNEZ	190,500	81,050	107,040	
					COYOTE	254,000	172,670	179,460	
					<b>TOTAL - 85 RESERVOIRS</b>	<b>33,715,700</b>	<b>16,890,000</b>	<b>19,504,340</b>	
					<b>TOTAL - 33 RESERVOIRS</b>	<b>18,918,310</b>	<b>9,859,220</b>	<b>11,431,560</b>	
					<b>TOTAL - 17 RESERVOIRS</b>	<b>13,498,510</b>	<b>7,516,050</b>	<b>8,952,180</b>	

\*\* - Joint State-Federal Reservoir

\* - USBR Reservoir

CVP - Central Valley Project

NR - Not Reported

## Plant Generation and Energy Summary for 2004

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b><u>Generation in mwh</u></b>													
<b>Shasta</b>													
Gross	153192	176196	160527	147205	232161	304210	305983	211171	146349	93061	86057	68733	2,084,845
Net	152819	175892	160284	146978	231965	304114	305870	211064	146226	92794	85760	68431	2,082,197
<b>Keswick</b>													
Gross	31989	28332	33660	36196	43356	58792	62301	48597	38459	32098	20456	19698	453,934
Net	31823	28175	33508	36055	43228	58658	62155	48453	38323	31963	20320	19543	452,204
<b>Trinity</b>													
Gross	12275	20844	65907	61330	81715	91109	76545	47086	52829	65282	4912	4641	584,475
Net	12158	20653	65722	61200	81582	90972	76410	46977	52713	65157	4862	4501	582,907
<b>JF Carr</b>													
Gross	9621	1156	81168	71768	12910	51828	70425	48009	51328	82918	0	0	481,131
Net	9423	1043	81001	71674	12786	51744	70326	47922	51227	82809	-44	-54	479,857
<b>Spring Creek PP</b>													
Gross	25688	53671	100745	64973	9986	45554	68625	46215	48567	84021	4201	11788	564,034
Net	25540	53507	100563	64818	9932	45460	68510	46120	48474	83900	4156	11721	562,701
<b>Folsom</b>													
Gross	41676	50171	58148	70356	36205	37541	50460	27920	21244	20072	22593	23184	459,570
Net	41425	49965	57994	70206	36027	37352	50262	27713	21058	19885	22402	22942	457,231
<b>Nimbus</b>													
Gross	5377	5956	5601	3056	4546	4677	6606	3864	3049	2863	3179	3496	52,270
Net	5333	5912	5566	3044	4534	4649	6593	3851	3036	2848	3164	3457	51,987
<b>New Melones</b>													
Gross	4519	5400	21073	49357	62741	55011	54224	42426	26007	9152	2295	4659	336,864
Net	4395	5267	20939	49217	62582	54853	54079	42295	25901	9054	2207	4566	335,355
<b>O'Neill</b>													
Gross	0	0	0	1518	3842	690	45	0	0	0	0	0	6,095
Net	0	0	0	1484	3780	672	28	0	0	0	0	0	5,964
<b>Fed San Luis</b>													
Out Meter	0	0	4400	32868	65487	46434	23024	3870	0	0	0	0	176,083
<b>Gross Generation</b>	284,337	341,726	531,229	538,627	552,949	695,846	718,238	479,158	387,832	389,467	143,693	136,199	5,199,301
<b>Net Generation</b>	282,916	340,414	529,977	537,544	551,903	694,908	717,257	478,265	386,958	388,410	142,827	135,107	5,186,486
	284,337	341,726	531,229	538,627	552,949	695,846	718,238	479,158	387,832	389,467	143,693	136,199	5,199,301
	282,916	340,414	529,977	537,544	551,903	694,908	717,257	478,265	386,958	388,410	142,827	135,107	5,186,486
<b>Stampede (Gross)</b>	961	610	1,477	2,212	2,436	1,654	1,892	470	173	570	286	463	13,204
<b>Stampede (Net)</b>	927	580	1,450	2,189	2,415	1,637	1,885	447	162	550	269	423	12,934
<b><u>Energy in mwh</u></b>													
<b>Tracy</b>													
Tot Energy	62189	52737	59099	26606	13243	49370	62290	63177	60508	62814	59848	54323	626,204
Fed Off-Pk	29510	25380	26873	12940	7526	22389	29769	30024	29018	29908	27401	25849	296,587
<b>O'Neill</b>													
Tot Energy	12789	7619	8609	3092	92	1126	1081	4055	7452	8609	12307	11599	78,430
Fed Off-Pk	6149	3696	3992	1547	92	562	573	1948	3662	4126	5673	5638	37,658
<b>San Luis</b>													
Fed Energy	57385	27613	35391	3987	0	0	72	4812	20607	32112	57330	50716	290,025
Fed Off-Pk	53155	27493	33555	3927	0	0	72	4722	19986	30674	57330	50641	281,555
<b>Dos Amigos</b>													
Fed Energy	7884	10104	10795	16285	21801	31920	25722	15205	6168	5159	0	2990	154,033
Fed Off-Pk	5739	7038	7920	10135	13401	17430	15132	9596	5538	4812	0	3245	99,986
<b>Banks - Fed</b>													
Fed Energy	0	0	0	0	0	0	9135	9968	921	3144	0	0	23,168
Fed Off-Pk	0	3696	0	0	0	0	885	2035	267	3144	0	0	10,027
<b>Total Energy</b>	140,247	98,073	113,894	49,970	35,136	82,416	98,300	97,217	95,656	111,838	129,485	119,628	1,171,860
<b>Total Fed Off-Pk</b>	94,553	67,303	72,340	28,549	21,019	40,381	46,431	48,325	58,471	72,664	90,404	85,373	725,813

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

Table 3

DECEMBER 2004

SHASTA LAKE DAILY OPERATIONS

RUN DATE: January 13, 2005

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			
		2,124.2								
1	964.38	2,124.1	-0.2	3,562	3,605	0	0	47	.09	.00
2	964.36	2,123.7	-0.4	3,601	3,744	0	0	37	.07	.00
3	964.24	2,121.6	-2.1	2,942	3,960	0	0	63	.12	.00
4	964.28	2,122.3	+0.7	3,595	3,188	0	0	47	.09	.00
5	964.30	2,122.6	+0.4	3,777	3,544	0	0	53	.10	.00
6	964.65	2,128.9	+6.3	6,443	3,289	0	0	0	.00	.00
7	965.39	2,142.2	+13.3	9,816	3,102	0	0	26	.05	2.95
8	968.17	2,192.5	+50.3	27,642	2,248	0	0	11	.02	4.51
9	969.59	2,218.5	+26.0	16,054	2,926	0	0	0	.00	2.18
10	970.38	2,233.1	+14.6	10,476	3,127	0	0	0	.00	.14
11	970.95	2,243.7	+10.5	8,672	3,327	0	0	27	.05	.00
12	971.40	2,252.0	+8.4	7,305	3,074	0	0	11	.02	.00
13	971.68	2,257.3	+5.2	5,806	3,173	0	0	5	.01	.02
14	971.88	2,261.0	+3.7	5,198	3,306	0	0	16	.03	.00
15	972.16	2,266.2	+5.2	5,807	3,154	0	0	16	.03	.00
16	972.38	2,270.3	+4.1	5,440	3,298	0	0	66	.12	.00
17	972.58	2,274.1	+3.7	5,445	3,502	0	0	55	.10	.00
18	972.79	2,278.0	+3.9	4,821	2,789	0	0	50	.09	.00
19	972.94	2,280.8	+2.8	4,723	3,263	0	0	44	.08	.00
20	973.17	2,285.1	+4.3	5,331	3,118	0	0	33	.06	.00
21	973.31	2,287.8	+2.6	4,663	3,284	0	0	50	.09	.00
22	973.41	2,289.7	+1.9	4,408	3,387	0	0	72	.13	.00
23	973.51	2,291.5	+1.9	4,475	3,471	0	0	55	.10	.00
24	973.51	2,291.5	+0.0	4,084	4,018	0	0	66	.12	.00
25	973.58	2,292.9	+1.3	4,571	3,863	0	0	44	.08	.00
26	973.95	2,299.8	+7.0	7,456	3,877	0	0	67	.12	.14
27	974.95	2,318.8	+18.9	12,014	2,421	0	0	50	.09	3.83
28	976.06	2,339.9	+21.1	11,064	310	0	0	95	.17	2.22
29	977.15	2,360.8	+20.9	11,604	1,037	0	0	34	.06	.86
30	978.75	2,391.7	+30.9	16,595	1,003	0	0	11	.02	.83
31	980.06	2,417.2	+25.5	14,242	1,363	0	0	23	.04	.44
<b>TOTALS</b>			<b>+292.7</b>	<b>241,632</b>	<b>92,771</b>	<b>0</b>	<b>0</b>	<b>1,174</b>	<b>2.15</b>	<b>18.12</b>
<b>ACRE-FEET</b>			<b>+292,700</b>	<b>479,277</b>	<b>184,011</b>	<b>0</b>	<b>0</b>	<b>2,329</b>		

COMMENTS:

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	184,011	OUTLET	0	THIS MONTH =	18.12
SPILL	0	TOTAL	184,011	JULY 1, 2004 TO DATE =	28.07

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

Table 4

DECEMBER 2004

TRINITY LAKE DAILY OPERATIONS

RUN DATE: January 13, 2005

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)	
		1,416.3								
1	2,296.08	1,416.3	+0.0	397	387	0	0	10	.03	.00
2	2,296.09	1,416.4	+0.1	334	269	0	7	0	.00	.00
3	2,296.09	1,416.4	+0.0	255	255	0	0	0	.00	.00
4	2,296.10	1,416.6	+0.1	322	264	0	0	0	.00	.00
5	2,296.10	1,416.6	+0.0	289	289	0	0	0	.00	.00
6	2,296.10	1,416.6	+0.0	255	211	0	0	44	.13	.03
7	2,296.13	1,416.9	+0.3	404	229	0	0	0	.00	1.14
8	2,296.61	1,422.5	+5.6	3,030	224	0	0	0	.00	2.14
9	2,297.29	1,430.4	+7.9	4,093	109	0	0	0	.00	.10
10	2,297.77	1,436.0	+5.6	3,070	245	0	0	3	.01	.20
11	2,298.08	1,439.6	+3.6	2,022	194	0	0	3	.01	.01
12	2,298.32	1,442.4	+2.8	1,649	223	0	0	7	.02	.00
13	2,298.51	1,444.6	+2.2	1,356	229	0	0	3	.01	.00
14	2,298.70	1,446.9	+2.2	1,463	333	0	0	7	.02	.05
15	2,298.88	1,449.0	+2.1	1,291	219	0	0	7	.02	.00
16	2,299.04	1,450.9	+1.9	1,161	207	0	0	7	.02	.00
17	2,299.17	1,452.4	+1.5	1,023	247	0	0	3	.01	.00
18	2,299.30	1,453.9	+1.5	1,034	254	0	0	7	.02	.00
19	2,299.44	1,455.6	+1.7	1,102	267	0	0	3	.01	.00
20	2,299.56	1,457.0	+1.4	941	227	0	0	0	.00	.00
21	2,299.66	1,458.2	+1.2	909	305	0	0	10	.03	.00
22	2,299.78	1,459.6	+1.4	965	251	0	0	0	.00	.00
23	2,299.88	1,460.8	+1.2	934	337	0	0	3	.01	.00
24	2,299.95	1,461.6	+0.8	671	255	0	0	0	.00	.00
25	2,300.02	1,462.4	+0.8	693	273	0	0	3	.01	.00
26	2,300.15	1,464.0	+1.5	1,060	262	0	0	21	.06	.11
27	2,300.46	1,467.6	+3.7	2,147	293	0	0	0	.00	1.59
28	2,300.98	1,473.8	+6.2	3,124	14	0	0	0	.00	2.87
29	2,301.42	1,479.1	+5.2	2,662	14	0	0	4	.01	.24
30	2,301.85	1,484.2	+5.1	2,599	14	0	0	0	.00	.56
31	2,302.18	1,488.1	+3.9	2,226	226	0	0	11	.03	.09
<b>TOTALS</b>			<b>+71.5</b>	<b>43,481</b>	<b>7,126</b>	<b>0</b>	<b>7</b>	<b>156</b>	<b>.46</b>	<b>9.13</b>
<b>ACRE-FEET</b>			<b>+71,500</b>	<b>86,245</b>	<b>14,134</b>	<b>0</b>	<b>14</b>	<b>309</b>		

COMMENTS:

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

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

**SUMMARY**

POWER	14,134	OUTLET	14	PRECIPITATION	
SPILL	0	TOTAL	14,148	THIS MONTH =	9.13
				JULY 1, 2004 TO DATE =	14.06

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

Table 5

DECEMBER 2004

WHISKEYTOWN LAKE DAILY OPERATIONS

RUN DATE: January 13, 2005

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				
		215.3										
1	1,201.55	214.8	-0.5	-27	0	-27	200	0	14	3	.03	.00
2	1,201.38	214.3	-0.5	-43	0	-43	200	0	14	2	.02	.00
3	1,201.22	213.8	-0.5	-24	0	-24	200	0	14	5	.06	.00
4	1,201.06	213.3	-0.5	-24	0	-24	200	0	14	6	.07	.00
5	1,200.90	212.8	-0.5	-22	0	-22	200	0	14	6	.07	.00
6	1,201.21	213.8	+0.9	687	0	687	200	0	14	3	.03	.00
7	1,201.67	215.1	+1.4	913	0	913	200	0	14	0	.00	3.98
8	1,202.88	218.8	+3.7	2,064	0	2,064	200	0	14	0	.00	5.03
9	1,203.18	219.7	+0.9	783	0	783	200	0	121	0	.00	.55
10	1,203.17	219.7	+0.0	454	0	454	200	0	269	0	.00	.02
11	1,203.08	219.4	-0.3	319	0	319	200	0	251	7	.08	.00
12	1,202.92	218.9	-0.5	238	0	238	200	0	276	8	.09	.00
13	1,202.76	218.4	-0.5	209	0	209	200	0	254	0	.00	.02
14	1,202.58	217.9	-0.5	182	0	182	200	0	256	2	.02	.00
15	1,202.35	217.2	-0.7	111	0	111	200	0	263	0	.00	.00
16	1,202.12	216.5	-0.7	120	0	120	200	0	268	4	.04	.00
17	1,201.88	215.8	-0.7	102	0	102	200	0	265	4	.05	.00
18	1,201.64	215.1	-0.7	100	0	100	200	0	259	6	.07	.00
19	1,201.37	214.2	-0.8	67	0	67	200	0	274	4	.04	.00
20	1,201.20	213.7	-0.5	51	0	51	200	0	110	0	.00	.00
21	1,201.08	213.4	-0.4	35	0	35	200	0	14	4	.04	.00
22	1,200.95	213.0	-0.4	28	0	28	200	0	14	11	.13	.00
23	1,200.82	212.6	-0.4	22	0	22	200	0	14	4	.04	.00
24	1,200.88	212.8	+0.2	309	0	309	200	0	14	4	.04	.00
25	1,200.55	211.8	-1.0	-280	0	-280	200	0	14	4	.04	.00
26	1,200.69	212.2	+0.4	425	0	425	200	0	14	0	.00	.24
27	1,201.64	215.1	+2.9	2,751	0	2,751	200	0	1,110	0	.00	3.50
28	1,201.37	214.2	-0.8	2,728	0	2,728	200	0	2,939	0	.00	2.00
29	1,201.10	213.4	-0.8	1,742	0	1,742	200	0	1,952	0	.00	.69
30	1,200.92	212.9	-0.5	1,983	0	1,983	200	0	2,056	0	.00	.88
31	1,200.32	211.1	-1.8	1,427	0	1,427	200	0	2,127	5	.06	.26
<b>TOTALS</b>			<b>-4.1</b>	<b>17,430</b>	<b>0</b>	<b>17,430</b>	<b>6,200</b>	<b>0</b>	<b>13,246</b>	<b>92</b>	<b>1.02</b>	<b>17.17</b>
<b>ACRE-FEET</b>			<b>-4.1</b>	<b>34,572</b>	<b>0</b>	<b>34,572</b>	<b>12,298</b>	<b>0</b>	<b>26,273</b>	<b>182</b>		

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

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

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	26,273	OUTLET	12,298	THIS MONTH	17.17
SPILL	0	TOTAL	38,571	JULY 1, 2004 TO DATE	26.19



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

Table 6

DECEMBER 2004

LEWISTON LAKE DAILY OPERATIONS

RUN DATE: January 13, 2005

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			JUDGE FRANCIS CARR POWERPLANT	EVAPORATION (2)	
		IN LAKE	CHANGE		POWER	RIVER OUTLETS (1)	SPILL		C.F.S.	INCHES
		13,941								
1	1,901.32	14,150	+209	406	0	55	245	0	1	.03
2	1,901.34	14,165	+15	308	0	55	245	0	0	.00
3	1,901.30	14,135	-30	285	0	55	245	0	0	.00
4	1,901.28	14,120	-15	292	0	55	245	0	0	.00
5	1,901.33	14,158	+38	319	0	55	245	0	0	.00
6	1,901.32	14,150	-8	299	0	55	245	0	3	.13
7	1,901.37	14,188	+38	319	0	55	245	0	0	.00
8	1,901.64	14,390	+202	445	0	55	288	0	0	.00
9	1,901.37	14,188	-202	235	0	55	282	0	0	.00
10	1,901.43	14,233	+45	360	0	55	282	0	0	.01
11	1,901.32	14,150	-83	295	0	55	282	0	0	.01
12	1,901.29	14,128	-22	326	0	55	282	0	0	.02
13	1,901.26	14,105	-23	324	0	55	281	0	0	.01
14	1,901.46	14,255	+150	412	0	55	281	0	0	.02
15	1,901.36	14,180	-75	299	0	55	282	0	0	.02
16	1,901.26	14,105	-75	295	0	55	278	0	0	.02
17	1,901.20	14,061	-44	331	0	55	298	0	0	.01
18	1,901.17	14,038	-23	341	0	55	298	0	0	.02
19	1,901.17	14,038	+0	370	0	55	315	0	0	.01
20	1,901.08	13,971	-67	319	0	55	298	0	0	.00
21	1,901.17	14,038	+67	388	0	55	298	0	1	.03
22	1,901.11	13,993	-45	333	0	55	301	0	0	.00
23	1,901.23	14,083	+90	345	50	55	195	0	0	.01
24	1,901.17	14,038	-45	277	80	55	165	0	0	.00
25	1,901.09	13,978	-60	270	80	55	165	0	0	.01
26	1,901.15	14,023	+45	324	80	55	165	0	1	.06
27	1,901.80	14,509	+486	550	69	66	170	0	0	.00
28	1,901.69	14,427	-82	275	0	135	181	0	0	.00
29	1,901.22	14,076	-351	123	0	135	165	0	0	.01
30	1,900.76	13,734	-342	148	0	135	185	0	0	.00
31	1,900.76	13,734	+0	301	0	135	165	0	1	.03
<b>TOTALS</b>			<b>-207</b>	<b>9,914</b>	<b>359</b>	<b>2,036</b>	<b>7,617</b>	<b>0</b>	<b>7</b>	<b>.46</b>
<b>ACRE-FEET</b>			<b>-207</b>	<b>19,664</b>	<b>712</b>	<b>4,038</b>	<b>15,108</b>	<b>0</b>	<b>14</b>	

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

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

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

**SUMMARY**  
RELEASE (ACRE-FEET)

TOTAL POWER	712	JUDGE FRANCIS CARR POWERPLANT	0
TOTAL RIVER	19,858	TOTAL RELEASE	19,858

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

**Table 7**

**DECEMBER 2004**

**SPRING CREEK DEBRIS RESERVOIR DAILY OPERATIONS**

RUN DATE: January 13, 2005

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.		— SPRING CR DEBRIS DAM —			**KES COPPER MG/L
		ACRE-FEET IN LAKE	CHANGE		SPILL	OUTLET	TIME	COPPER	ZINC	
		1,065								
1	716.60	1,068	+3	2	0	0				
2	716.80	1,074	+6	3	0	0				
3	716.89	1,077	+3	2	0	0				
4	717.00	1,081	+4	2	0	0				
5	717.08	1,084	+3	2	0	0				
6	719.52	1,169	+85	43	0	0	0950	.27	.96	.001
7	725.64	1,398	+229	115	0	0				
8	737.52	1,911	+513	259	0	0				
9	739.19	1,991	+80	51	0	11	1420	2.70	1.05	.003
10	738.78	1,971	-20	25	0	35				
11	737.56	1,913	-58	11	0	40				
12	736.29	1,853	-60	10	0	40				
13	734.80	1,785	-68	6	0	40	1000	1.70	.53	.003
14	733.19	1,713	-72	4	0	40				
15	730.65	1,603	-110	-1	0	54				
16	726.43	1,429	-174	-10	0	78				
17	721.83	1,253	-176	-13	0	76				
18	716.46	1,063	-190	-21	0	75				
19	707.88	802	-261	-56	0	76				
20	703.20	678	-124	-38	0	25	0910	.13	.43	.003
21	704.31	706	+28	14	0	0				
22	705.11	727	+21	11	0	0				
23	705.90	747	+20	10	0	0				
24	706.53	764	+17	9	0	0				
25	707.20	783	+19	10	0	0				
26	710.34	871	+88	44	0	0				
27	727.22	1,461	+590	332	0	35	0945	.10	.41	.002
28	730.83	1,611	+150	161	0	85				
29	729.78	1,567	-44	91	0	113	1230	.58	2.30	.003
30	728.55	1,516	-51	93	0	119				
31	726.32	1,425	-91	71	0	117				
<b>TOTALS</b>			<b>+360</b>	<b>1,242</b>	<b>0</b>	<b>1,059</b>				
<b>ACRE-FEET</b>			<b>+360</b>	<b>2,464</b>	<b>0</b>	<b>2,101</b>				

COMMENTS:

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

**SUMMARY**

RELEASE (ACRE-FEET)	
SPILL	0
OUTLET	2,101
TOTAL	2,101

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

DECEMBER 2004

**KESWICK RESERVOIR DAILY OPERATIONS**

RUN DATE: February 28, 2005

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)
		21,562								
1	583.16	21,380	-182	4,110	14	3,605	4,200	0	0	2
2	583.79	21,763	+383	4,222	14	3,744	4,028	0	0	1
3	585.24	22,658	+895	4,375	14	3,960	3,922	0	0	2
4	584.19	22,007	-651	3,595	14	3,188	3,921	0	0	2
5	584.52	22,211	+204	4,027	14	3,544	3,922	0	0	2
6	584.72	22,334	+123	3,985	14	3,289	3,923	0	0	0
7	585.17	22,614	+280	4,055	14	3,102	3,913	0	0	1
8	585.14	22,595	-19	3,904	14	2,248	3,914	0	0	0
9	584.44	22,161	-434	3,707	121	2,926	3,926	0	0	0
10	584.45	22,168	+7	3,926	269	3,127	3,922	0	0	0
11	584.87	22,427	+259	4,044	251	3,327	3,912	0	0	1
12	584.36	22,112	-315	3,761	276	3,074	3,920	0	0	0
13	584.11	21,958	-154	3,832	254	3,173	3,910	0	0	0
14	584.53	22,217	+259	4,057	256	3,306	3,925	0	0	1
15	584.41	22,143	-74	3,883	263	3,154	3,919	0	0	1
16	584.93	22,464	+321	4,089	268	3,298	3,925	0	0	2
17	585.13	22,589	+125	3,985	265	3,502	3,920	0	0	2
18	583.87	21,811	-778	3,531	259	2,789	3,921	0	0	2
19	584.54	22,223	+412	4,126	274	3,263	3,917	0	0	1
20	583.97	21,872	-351	3,748	110	3,118	3,924	0	0	1
21	583.34	21,489	-383	3,739	14	3,284	3,930	0	0	2
22	583.16	21,380	-109	3,864	14	3,387	3,917	0	0	2
23	583.23	21,423	+43	4,004	14	3,471	3,925	0	55	2
24	583.46	21,562	+139	4,554	14	4,018	4,397	0	85	2
25	583.14	21,368	-194	4,388	14	3,863	4,400	0	85	1
26	583.36	21,502	+134	4,555	14	3,877	4,400	0	85	2
27	585.89	23,066	+1,564	5,303	1,110	2,421	4,427	0	85	2
28	585.21	22,639	-427	4,345	2,939	310	4,472	0	85	3
29	584.59	22,254	-385	3,914	1,952	1,037	4,022	0	85	1
30	584.40	22,137	-117	3,958	2,056	1,003	3,932	0	85	0
31	585.60	22,884	+747	4,391	2,127	1,363	3,928	0	85	1
<b>TOTALS</b>			<b>+1,322</b>	<b>125,977</b>	<b>13,246</b>	<b>92,771</b>	<b>124,534</b>	<b>0</b>	<b>735</b>	<b>39</b>
<b>ACRE-FEET</b>			<b>+1,322</b>	<b>249,875</b>	<b>26,273</b>	<b>184,011</b>	<b>247,013</b>	<b>0</b>	<b>1,458</b>	<b>77</b>

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

**SUMMARY**  
RELEASE (ACRE-FEET)

POWER	247,013
SPILL	0
FISH TRAP	1,458

DECEMBER 2004

RED BLUFF DIVERSION RESERVOIR DAILY OPERATIONS

RUN DATE: January 13, 2005

DAY	ELEVATION	STORAGE ACRE-FEET		RELEASE C.F.S		RELEASE TO SACTO RIVER
		IN LAKE	CHANGE	CORNING CANAL	TEHAMA COLUSA CANAL	
		293				
1	238.42	291	-2	0	0	5,102
2	238.39	288	-3	0	0	4,964
3	238.36	285	-3	0	0	5,350
4	238.28	277	-8	0	0	5,130
5	238.32	281	+4	0	0	5,130
6	238.26	275	-6	0	0	5,130
7	238.34	283	+8	0	0	5,910
8	238.99	349	+66	0	0	9,150
9	243.76	1,083	+734	0	0	11,600
10	239.34	391	-692	0	0	7,620
11	239.13	366	-25	0	0	6,820
12	238.90	340	-26	0	0	6,310
13	238.76	326	-14	0	0	6,180
14	238.67	316	-10	0	0	6,010
15	238.60	309	-7	0	0	5,850
16	238.50	299	-10	0	0	5,640
17	238.47	296	-3	0	0	5,810
18	238.47	296	+0	0	0	5,450
19	238.47	296	+0	0	0	5,490
20	238.39	288	-8	0	0	5,600
21	238.39	288	+0	0	0	5,430
22	238.39	288	+0	0	0	5,430
23	238.40	289	+1	0	0	5,370
24	238.40	289	+0	0	0	5,150
25	238.58	307	+18	0	0	5,660
26	238.58	307	+0	0	0	5,660
27	239.51	411	+104	0	0	32,700
28	249.20	2,531	+2,120	0	0	42,000
29	244.51	1,240	-1,291	0	0	22,000
30	241.77	727	-513	0	0	16,900
31	240.64	558	-169	0	0	10,834
<b>TOTALS</b>			<b>+265</b>	<b>0</b>	<b>0</b>	<b>281,380</b>
<b>ACRE-FEET</b>			<b>+265</b>	<b>0</b>	<b>0</b>	<b>558,117</b>

**SUMMARY**

RELEASE (ACRE-FEET)

CORNING CANAL	0
TEHAMA-COLUSA CANAL	0
TO SACTO RIVER	558,117
<b>TOTAL</b>	<b>558,117</b>

Table 10

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

DAILY OPERATION OF BLACK BUTTE RESERVOIR, STONY CREEK, CALIFORNIA

December 2004

Date	Midnight Elev (ft)	Storage (ac-ft)	Storage Change (ac-ft)	Mean Inflow (sfd)	----- Mean Total (sfd)	Outflow River (sfd)	----- [1] (sfd)	[2] (sfd)	Gross Evap (ac-ft)	Pan Evap (in)	Prec (in)	Total U S Storage (ac-ft)	Top Con Storage (ac-ft)
1	437.54	27431	17	47	30	30	0	0	16	0.13	0	75384	31000
2	437.55	27447	16	48	30	30	0	0	20	0.16	0	75394	31000
3	437.57	27479	32	54	30	30	0	0	16	0.13	0	75415	31100
4	437.59	27512	33	47	30	30	0	0	1	0.01	0	75425	31100
5	437.60	27528	16	41	30	30	0	0	6	0.05	0	75436	31100
6	437.67	27642	114	91	31	31	0	0	6	0.05	0.7	75926	30700
7	437.90	28020	378	226	30	30	0	0	10	0.08	0.6	77795	30500
8	439.94	31596	3576	1834	28	28	0	0	7	0.05	0.05	82099	28600
9	441.21	33977	2381	1308	105	105	0	0	6	0.04	0	81318	24400
10	441.88	35276	1299	892	236	236	0	0	3	0.02	0.02	81413	25100
11	442.38	36266	990	753	250	250	0	0	8	0.05	0	81096	25400
12	442.60	36706	440	483	254	254	0	0	15	0.1	0.1	80786	25700
13	442.78	37069	363	434	251	251	0	0	0	0	0	80511	25600
14	442.95	37414	345	422	245	245	0	0	6	0.04	0.01	80061	25900
15	442.96	37434	20	352	330	330	0	0	23	0.15	0	80293	26200
16	442.64	36787	-647	100	421	421	0	0	11	0.07	0	80476	26100
17	442.45	36405	-382	79	268	268	0	0	8	0.05	0	80701	25900
18	442.38	36266	-139	80	150	150	0	0	0	0	0	80871	25700
19	442.30	36106	-160	74	150	150	0	0	9	0.06	0	81030	25600
20	442.20	35908	-198	55	151	151	0	0	8	0.05	0	73085	25200
21	442.10	35710	-198	68	152	152	0	0	32	0.21	0	81339	25100
22	442.00	35512	-198	61	152	152	0	0	18	0.12	0	81443	25100
23	441.88	35276	-236	53	152	152	0	0	39	0.26	0	81526	24900
24	441.80	35120	-156	73	152	152	0	0	0	0	0	81619	24800
25	441.70	34924	-196	54	152	152	0	0	2	0.01	0.01	81718	24800
26	441.66	34846	-78	114	153	153	0	0	0	0	1.77	82452	24400
27	445.10	41969	7123	4998	1407	1407	0	0	0	0	2.4	87872	21500
28	449.70	52896	10927	9379	3870	3870	0	0	0	0	0.61	88902	19300
29	449.71	52921	25	5610	5588	5588	0	0	18	0.09	0.81	88338	19300
30	448.97	51054	-1867	5245	6183	6183	0	0	6	0.03	0.11	87561	20300
31	446.07	44142	-6912	2642	6121	6121	0	0	11	0.06	0.03	86850	20700
Totals	(sfd)			35717	27132	27132	0	0					
Totals	(ac-ft)		16728	70845	53816.3	53816.3			305				
Totals	(inches)									2.07	7.22		

[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

DECEMBER 2004

**FOLSOM LAKE DAILY OPERATIONS**

RUN DATE: July 20, 2005

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	
		326.5									
1	391.60	326.2	-0.3	1,660	1,700	0	0	94	18	.09	.00
2	391.55	325.9	-0.3	1,741	1,789	0	0	94	10	.05	.00
3	391.45	325.3	-0.6	1,695	1,883	0	0	100	16	.08	.00
4	391.44	325.2	-0.1	1,754	1,674	0	0	103	8	.04	.00
5	391.37	324.8	-0.4	1,534	1,636	0	0	102	8	.04	.00
6	391.36	324.7	-0.1	1,701	1,625	0	0	103	4	.02	.00
7	391.47	325.4	+0.7	2,075	1,644	0	0	97	0	.00	.10
8	392.45	331.3	+5.9	4,653	1,551	0	0	94	14	.07	.73
9	393.54	338.0	+6.7	4,878	1,400	0	0	93	14	.07	.96
10	394.19	342.0	+4.0	3,774	1,638	0	0	93	13	.06	.00
11	394.48	343.9	+1.8	2,727	1,706	0	0	99	8	.04	.00
12	394.69	345.2	+1.3	2,501	1,735	0	0	99	6	.03	.00
13	394.83	346.0	+0.9	2,288	1,748	0	0	99	0	.00	.00
14	395.04	347.4	+1.3	2,718	1,950	0	0	99	6	.03	.00
15	395.17	348.2	+0.8	2,330	1,811	0	0	99	6	.03	.00
16	395.17	348.2	+0.0	2,030	1,925	0	0	99	6	.03	.00
17	395.22	348.5	+0.3	2,128	1,863	0	0	98	8	.04	.00
18	395.36	349.4	+0.9	2,482	1,930	0	0	98	8	.04	.00
19	395.52	350.4	+1.0	2,582	1,965	0	0	99	8	.04	.00
20	395.82	352.3	+1.9	2,840	1,779	0	0	99	6	.03	.00
21	395.83	352.4	+0.1	1,949	1,825	0	0	92	0	.00	.00
22	395.67	351.3	-1.0	1,477	1,886	0	0	92	9	.04	.00
23	395.73	351.7	+0.4	1,724	1,425	0	0	99	9	.04	.00
24	395.77	352.0	+0.3	1,689	1,458	0	0	97	6	.03	.00
25	395.74	351.8	-0.2	1,458	1,453	0	0	95	6	.03	.00
26	395.62	351.0	-0.8	1,148	1,431	0	0	95	4	.02	.00
27	395.59	350.8	-0.2	1,662	1,651	0	0	91	15	.07	.00
28	395.72	351.7	+0.8	1,926	1,421	0	0	87	4	.02	.01
29	396.10	354.1	+2.4	2,660	1,356	0	0	88	2	.01	.75
30	398.38	368.8	+14.7	8,660	1,136	0	0	87	29	.13	.40
31	401.75	391.2	+22.4	11,966	540	0	0	87	46	.20	2.26
<b>TOTALS</b>			<b>+64.6</b>	<b>86,410</b>	<b>50,534</b>	<b>0</b>	<b>0</b>	<b>2,971</b>	<b>297</b>	<b>1.42</b>	<b>5.21</b>
<b>ACRE-FEET</b>			<b>+64,600</b>	<b>171,394</b>	<b>100,234</b>	<b>0</b>	<b>0</b>	<b>5,893</b>	<b>589</b>		

COMMENTS:

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

**SUMMARY**

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	100,234	OUTLET	0	THIS MONTH =	5.21
SPILL	0	TOTAL	106,127	JULY 1, 2004 TO DATE =	12.52
PUMPING PLANT	5,893				

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

Table 12

DECEMBER 2004

LAKE NATOMA DAILY OPERATIONS

RUN DATE: January 13, 2005

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	123.36	8,120	-160	1,729	20	1,729	0	60	1
2	123.55	7,960	+90	1,812	20	1,686	0	60	1
3	123.99	8,050	+206	1,903	20	1,718	0	60	1
4	123.71	8,125	-131	1,689	20	1,674	0	60	1
5	123.55	8,050	-75	1,654	20	1,611	0	60	1
6	123.29	7,927	-123	1,662	20	1,644	0	60	0
7	123.52	8,035	+108	1,773	20	1,639	0	60	0
8	124.26	8,391	+356	1,978	8	1,730	0	60	1
9	123.31	7,937	-454	1,549	12	1,705	0	60	1
10	122.97	7,778	-159	1,719	20	1,718	0	60	1
11	122.85	7,724	-54	1,775	23	1,718	0	60	1
12	122.76	7,683	-41	1,791	33	1,719	0	60	0
13	122.54	7,584	-99	1,761	40	1,711	0	60	0
14	122.91	7,751	+167	1,902	40	1,718	0	60	0
15	123.01	7,796	+45	1,813	40	1,690	0	60	0
16	122.94	7,764	-32	1,799	40	1,715	0	60	0
17	122.94	7,764	+0	1,782	40	1,681	0	60	1
18	123.35	7,956	+192	1,877	40	1,679	0	60	1
19	123.80	8,167	+211	1,892	40	1,685	0	60	1
20	123.56	8,054	-113	1,708	34	1,671	0	60	0
21	123.85	8,191	+137	1,908	30	1,749	0	60	0
22	124.25	8,386	+195	1,890	27	1,704	0	60	1
23	124.01	8,266	-120	1,508	25	1,482	0	60	1
24	123.70	8,120	-146	1,476	25	1,465	0	60	0
25	123.48	8,017	-103	1,504	28	1,468	0	60	0
26	123.24	7,904	-113	1,503	30	1,470	0	60	0
27	123.84	8,186	+282	1,706	30	1,473	0	60	1
28	123.52	8,035	-151	1,476	33	1,459	0	60	0
29	123.21	7,890	-145	1,484	35	1,462	0	60	0
30	124.58	8,551	+661	1,909	26	1,488	0	60	2
31	123.33	7,946	-605	1,265	20	1,487	0	60	3
<b>TOTALS</b>			<b>-174</b>	<b>53,197</b>	<b>859</b>	<b>50,548</b>	<b>0</b>	<b>1,860</b>	<b>20</b>
<b>ACRE-FEET</b>			<b>-174</b>	<b>105,516</b>	<b>1,704</b>	<b>100,262</b>	<b>0</b>	<b>3,689</b>	<b>40</b>

COMMENTS:

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

(1) INCHES OF EVAPORATION TAKEN FROM FOLSOM PAN.

SUMMARY

	RELEASES (ACRE-FEET)			RELEASES (ACRE-FEET)	
POWER	100,262	FOLSOM SOUTH CANAL	1,704	TOTAL	105,655
SPILL	0	HATCHERY	3,689		

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

Table 13

DECEMBER 2004

NEW MELONES LAKE DAILY OPERATIONS

RUN DATE: January 13, 2005

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE		POWER	SPILL	OUTLET	C.F.S.	INCHES	
		1,164.0								
1	964.25	1,165.2	+1.3	663	14	0	0	8	.03	.00
2	964.26	1,165.3	+0.1	657	612	0	0	5	.02	.00
3	964.43	1,166.7	+1.4	701	14	0	0	5	.02	.00
4	964.58	1,167.9	+1.2	625	14	0	0	10	.04	.00
5	964.74	1,169.1	+1.3	668	14	0	0	13	.05	.00
6	964.87	1,170.2	+1.0	553	14	0	0	18	.07	.00
7	965.17	1,172.6	+2.4	1,651	446	0	0	0	.00	.56
8	965.58	1,175.8	+3.3	2,256	601	0	0	5	.02	1.09
9	965.87	1,178.1	+2.3	1,186	14	0	0	5	.02	.17
10	966.26	1,181.3	+3.1	1,601	14	0	0	13	.05	.00
11	966.51	1,183.3	+2.0	1,038	14	0	0	13	.05	.00
12	966.70	1,184.8	+1.5	795	14	0	0	13	.05	.02
13	966.90	1,186.4	+1.6	832	14	0	0	10	.04	.01
14	967.09	1,187.9	+1.5	789	14	0	0	5	.02	.01
15	967.29	1,189.5	+1.6	834	14	0	0	8	.03	.00
16	967.50	1,191.2	+1.7	874	14	0	0	8	.03	.00
17	967.67	1,192.6	+1.4	720	14	0	0	16	.06	.00
18	967.85	1,194.0	+1.4	758	14	0	0	13	.05	.00
19	968.03	1,195.5	+1.5	755	14	0	0	10	.04	.00
20	968.21	1,196.9	+1.5	758	14	0	0	10	.04	.01
21	968.30	1,197.7	+0.7	682	302	0	0	13	.05	.00
22	968.25	1,197.3	-0.4	670	871	0	0	3	.01	.00
23	968.41	1,198.6	+1.3	674	14	0	0	8	.03	.00
24	968.45	1,198.9	+0.3	711	540	0	0	8	.03	.00
25	968.49	1,199.2	+0.3	629	456	0	0	10	.04	.00
26	968.53	1,199.5	+0.3	619	446	0	0	10	.04	.00
27	968.76	1,201.4	+1.9	960	14	0	0	8	.03	.11
28	968.89	1,202.4	+1.1	1,063	499	0	0	34	.13	.97
29	969.03	1,203.6	+1.1	1,101	525	0	0	5	.02	.53
30	969.47	1,207.1	+3.6	2,000	191	0	0	8	.03	.63
31	970.36	1,214.4	+7.2	3,668	14	0	0	5	.02	2.07
<b>TOTALS</b>			<b>+50.5</b>	<b>31,491</b>	<b>5,769</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>1.16</b>	<b>6.18</b>
<b>ACRE-FEET</b>			<b>+50,500</b>	<b>62,462</b>	<b>11,443</b>	<b>0</b>	<b>0</b>	<b>595</b>		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	11,443	OUTLET	0
SPILL	0	TOTAL	11,443
		THIS MONTH =	6.18
		JULY 1, 2004 TO DATE =	13.05



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

Table 14

DECEMBER 2004

GOODWIN RESERVOIR DAILY OPERATIONS

RUN DATE: January 13, 2005

DAY	ELEV	STORAGE ACRE-FEET RES. CHANGE		TULLOCH RELEASE	RELEASE - C.F.S.			
					RIVER		CANALS	
				OUTLET	SPILL	JOINT MAIN	SOUTH MAIN	
		539						
1	360.03	539	+0	276	0	275	0	0
2	360.05	541	+2	277	0	276	0	0
3	360.05	541	+0	277	0	276	3	0
4	360.05	541	+0	279	0	276	8	0
5	360.05	541	+0	280	0	280	6	0
6	360.05	541	+0	277	0	278	0	0
7	360.05	541	+0	263	0	279	0	0
8	360.05	541	+0	248	0	277	0	0
9	360.05	541	+0	255	0	281	0	0
10	360.05	541	+0	255	0	278	0	0
11	360.05	541	+0	255	0	280	0	0
12	360.05	541	+0	254	0	276	0	0
13	360.05	541	+0	254	0	277	0	0
14	360.05	541	+0	255	0	276	0	0
15	360.05	541	+0	252	0	276	0	0
16	360.05	541	+0	257	0	276	0	0
17	360.05	541	+0	258	0	279	3	0
18	360.05	541	+0	262	0	277	7	0
19	360.05	541	+0	261	0	280	4	0
20	360.05	541	+0	258	0	279	0	0
21	360.05	541	+0	259	0	279	0	0
22	360.05	541	+0	258	0	278	0	0
23	360.05	541	+0	255	0	277	0	0
24	360.03	539	-2	255	0	278	0	0
25	360.05	541	+2	254	0	278	0	0
26	360.05	541	+0	254	0	279	0	0
27	360.03	539	-2	252	0	279	0	0
28	360.03	539	+0	247	0	281	0	0
29	360.05	541	+2	253	0	279	0	0
30	360.05	541	+0	248	0	279	0	0
31	360.05	541	+0	238	0	295	3	0
<b>TOTALS</b>			<b>+2</b>	<b>8,026</b>	<b>0</b>	<b>8,634</b>	<b>34</b>	<b>0</b>
<b>ACRE-FEET</b>			<b>+2</b>	<b>15,920</b>	<b>0</b>	<b>17,126</b>	<b>67</b>	<b>0</b>

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

**SUMMARY**  
 RELEASE (ACRE-FEET)

JOINT MAIN CANAL	67	OUTLET	0
SOUTH MAIN CANAL	0	SPILL	17,126
		TOTAL	17,193

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

Table 15

DECEMBER 2004

MILLERTON LAKE DAILY OPERATIONS

RUN DATE: January 13, 2005

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			
		276.1									
1	519.91	279.1	+3.0	1,625	0	0	0	121	3	.03	
2	520.56	281.3	+2.2	1,254	0	0	0	121	6	.05	
3	521.26	283.7	+2.4	1,342	0	0	0	121	3	.03	
4	522.12	286.7	+3.0	1,633	0	0	0	122	7	.06	
5	522.81	289.1	+2.4	1,345	0	0	0	122	8	.07	
6	523.70	292.2	+3.1	1,706	0	0	0	122	8	.07	
7	524.59	295.4	+3.1	1,718	0	0	0	122	9	.08	
8	525.27	297.8	+2.4	1,353	0	0	0	122	12	.10	
9	525.76	299.5	+1.7	1,012	0	0	0	122	8	.07	
10	526.04	300.5	+1.0	645	0	0	0	123	17	.15	
11	526.54	302.3	+1.8	1,030	0	0	0	123	1	.01	
12	526.92	303.7	+1.4	813	0	0	0	123	1	.01	
13	527.61	306.2	+2.5	1,384	0	0	0	124	1	.01	
14	528.26	308.6	+2.4	1,316	0	0	0	124	1	.01	
15	528.78	310.5	+1.9	1,082	0	0	0	124	1	.01	
16	529.39	312.7	+2.2	1,252	0	0	0	124	1	.01	
17	529.89	314.5	+1.8	1,052	0	0	0	124	1	.01	
18	530.64	317.3	+2.8	1,520	0	0	0	124	4	.03	
19	530.95	318.4	+1.1	705	0	0	0	124	5	.04	
20	531.37	320.0	+1.6	911	0	0	0	125	2	.02	
21	531.71	321.3	+1.3	768	0	0	0	122	10	.08	
22	532.07	322.6	+1.3	803	0	0	0	120	8	.07	
23	532.54	324.3	+1.8	1,006	0	0	0	120	1	.01	
24	532.84	325.5	+1.1	687	0	0	0	120	2	.02	
25	533.18	326.7	+1.3	764	0	0	0	120	1	.01	
26	533.57	328.2	+1.5	864	0	0	0	120	4	.03	
27	534.04	330.0	+1.8	1,018	0	0	0	120	6	.05	
28	534.36	331.2	+1.2	736	0	0	0	120	5	.04	
29	534.78	332.8	+1.6	928	0	0	0	121	5	.04	
30	535.40	335.1	+2.4	1,317	0	0	0	121	7	.06	
31	538.27	346.2	+11.0	5,697	0	0	0	122	5	.04	
<b>TOTALS</b>			<b>+70.1</b>	<b>39,286</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,783</b>	<b>153</b>	<b>1.32</b>	<b>3.84</b>
<b>ACRE-FEET</b>			<b>+70,114</b>	<b>77,924</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,504</b>	<b>303</b>		

COMMENTS:

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

SUMMARY

RELEASE (ACRE-FEET)		PRECIPITATION	
CANALS	RIVER		
FRIANT-KERN	AT FRIANT	THIS MONTH =	3.84
MADERA	TOTAL RELEASES	JULY 1, 2004 TO DATE =	8.33

Table 16

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

**December 2004**

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-Dec-04	11,761	208	0	353	1,435	1,475	<i>1,414</i>	13,757	<i>631</i>	3,961	4,339	67	0	80	8,447	8,087	<i>4,680</i>	<i>4,777</i>	<i>4,680</i>	60.3%	56.5%	62.2%	
2-Dec-04	11,652	209	0	334	1,414	1,461	<i>1,421</i>	13,609	<i>631</i>	4,030	4,317	81	0	79	8,506	8,318	<i>4,472</i>	<i>4,888</i>	<i>4,576</i>	61.3%	59.9%	64.1%	
3-Dec-04	11,606	211	0	327	1,428	1,446	<i>1,421</i>	13,572	<i>2,000</i>	3,993	4,354	68	0	83	8,498	8,331	<i>3,073</i>	<i>4,767</i>	<i>4,075</i>	61.5%	61.1%	64.2%	
4-Dec-04	11,271	212	0	322	1,421	1,436	<i>1,422</i>	13,226	<i>2,050</i>	3,993	4,312	46	0	79	8,431	8,333	<i>2,745</i>	<i>4,602</i>	<i>3,743</i>	62.8%	61.9%	64.2%	
5-Dec-04	10,917	213	0	318	1,425	1,431	<i>1,426</i>	12,873	<i>2,100</i>	3,997	4,232	68	0	78	8,375	8,294	<i>2,398</i>	<i>4,164</i>	<i>3,474</i>	63.9%	62.7%	64.0%	
6-Dec-04	10,392	214	0	317	1,442	1,429	<i>1,429</i>	12,365	<i>2,100</i>	1,992	4,143	68	0	80	6,283	7,557	<i>3,982</i>	<i>3,803</i>	<i>3,558</i>	49.6%	58.9%	58.4%	
7-Dec-04	10,056	216	0	322	1,441	1,431	<i>1,431</i>	12,035	<i>2,150</i>	4,390	1,650	68	0	77	6,185	6,802	<i>3,700</i>	<i>3,579</i>	<i>3,579</i>	50.2%	54.7%	52.6%	
8-Dec-04	10,811	217	0	368	1,447	1,443	<i>1,440</i>	12,843	<i>-1,045</i>	4,397	1,654	67	0	75	6,193	6,076	<i>7,695</i>	<i>4,009</i>	<i>4,093</i>	47.1%	48.9%	46.8%	
9-Dec-04	12,547	217	0	875	1,500	1,461	<i>1,452</i>	15,139	<i>-3,555</i>	4,398	1,658	69	0	69	6,194	6,049	<i>12,501</i>	<i>5,156</i>	<i>5,027</i>	40.0%	45.4%	45.8%	
10-Dec-04	18,007	217	0	754	1,553	1,478	<i>1,461</i>	20,531	<i>-3,505</i>	4,389	1,665	67	0	71	6,192	6,054	<i>17,844</i>	<i>7,267</i>	<i>6,309</i>	29.5%	37.4%	43.7%	
11-Dec-04	26,307	217	0	538	1,535	1,500	<i>1,472</i>	28,597	<i>-3,505</i>	2,694	3,473	68	0	71	6,305	6,092	<i>25,798</i>	<i>10,560</i>	<i>8,081</i>	21.6%	28.4%	40.5%	
12-Dec-04	28,034	217	0	462	1,583	1,527	<i>1,485</i>	30,296	<i>-3,505</i>	1,894	4,197	68	0	64	6,223	6,104	<i>27,579</i>	<i>14,157</i>	<i>9,706</i>	20.1%	23.1%	37.5%	
13-Dec-04	23,975	217	0	426	1,628	1,558	<i>1,498</i>	26,246	<i>-310</i>	1,899	4,210	68	0	62	6,239	6,122	<i>20,317</i>	<i>16,491</i>	<i>10,522</i>	23.3%	21.6%	35.8%	
14-Dec-04	20,198	217	0	409	1,660	1,593	<i>1,512</i>	22,484	<i>2,200</i>	1,891	4,213	68	0	56	6,228	6,101	<i>14,056</i>	<i>17,970</i>	<i>10,774</i>	27.1%	23.2%	34.5%	
15-Dec-04	18,149	217	0	398	1,694	1,620	<i>1,524</i>	20,458	<i>2,200</i>	1,901	4,190	68	0	56	6,215	6,101	<i>12,043</i>	<i>18,591</i>	<i>10,859</i>	29.8%	26.5%	33.6%	
16-Dec-04	16,904	217	0	389	1,687	1,636	<i>1,533</i>	19,197	<i>2,200</i>	4,127	4,346	68	0	57	8,598	6,889	<i>8,399</i>	<i>18,005</i>	<i>10,705</i>	44.1%	33.3%	37.1%	
17-Dec-04	16,250	217	0	380	1,665	1,650	<i>1,538</i>	18,512	<i>1,972</i>	5,475	4,372	67	0	65	9,978	8,137	<i>6,562</i>	<i>16,393</i>	<i>10,461</i>	53.2%	42.0%	43.0%	
18-Dec-04	15,345	217	0	374	1,630	1,652	<i>1,542</i>	17,566	<i>1,922</i>	6,176	4,341	67	0	68	10,652	9,612	<i>4,992</i>	<i>13,421</i>	<i>10,158</i>	59.9%	52.2%	50.0%	
19-Dec-04	14,828	217	0	368	1,598	1,644	<i>1,543</i>	17,011	<i>1,922</i>	7,178	4,307	67	0	66	11,617	10,616	<i>3,472</i>	<i>9,977</i>	<i>9,806</i>	67.5%	60.0%	54.4%	
20-Dec-04	14,007	217	0	364	1,572	1,629	<i>1,544</i>	16,160	<i>1,922</i>	5,545	4,329	71	0	63	10,007	10,625	<i>4,232</i>	<i>7,679</i>	<i>9,527</i>	61.1%	62.8%	53.7%	
21-Dec-04	13,405	217	0	364	1,560	1,606	<i>1,543</i>	15,546	<i>1,872</i>	6,019	4,346	56	0	56	10,477	10,574	<i>3,197</i>	<i>6,128</i>	<i>9,226</i>	66.7%	65.1%	52.8%	
22-Dec-04	12,980	217	0	359	1,530	1,580	<i>1,542</i>	15,086	<i>2,100</i>	4,996	4,348	67	0	52	9,463	9,861	<i>3,523</i>	<i>4,911</i>	<i>8,966</i>	61.9%	63.2%	48.8%	
23-Dec-04	12,554	217	0	355	1,507	1,554	<i>1,539</i>	14,633	<i>2,050</i>	4,997	4,350	65	0	58	9,470	9,685	<i>3,113</i>	<i>4,156</i>	<i>8,712</i>	63.9%	64.2%	48.0%	
24-Dec-04	12,072	217	0	352	1,484	1,533	<i>1,537</i>	14,125	<i>2,050</i>	4,488	4,126	60	0	70	8,743	9,101	<i>3,332</i>	<i>3,694</i>	<i>8,488</i>	61.0%	62.3%	46.2%	
25-Dec-04	11,879	217	0	351	1,480	1,512	<i>1,534</i>	13,927	<i>2,000</i>	4,209	3,708	57	0	60	8,034	8,625	<i>3,893</i>	<i>3,538</i>	<i>8,304</i>	56.8%	60.6%	46.2%	
26-Dec-04	11,642	217	0	346	1,454	1,494	<i>1,530</i>	13,659	<i>2,000</i>	4,196	3,719	56	0	50	8,022	8,148	<i>3,637</i>	<i>3,561</i>	<i>8,124</i>	57.9%	58.6%	46.6%	
27-Dec-04	11,211	217	0	345	1,446	1,477	<i>1,527</i>	13,219	<i>1,950</i>	3,986	3,605	42	0	56	7,689	7,807	<i>3,580</i>	<i>3,468</i>	<i>7,956</i>	57.4%	57.4%	47.2%	
28-Dec-04	11,298	217	3,184	343	1,440	1,482	<i>1,528</i>	16,482	<i>581</i>	4,490	3,500	30	0	51	8,072	7,832	<i>7,830</i>	<i>4,130</i>	<i>7,952</i>	48.5%	54.2%	48.6%	
29-Dec-04	14,447	217	2,494	389	1,564	1,510	<i>1,534</i>	19,111	<i>-4,262</i>	4,497	3,655	40	0	63	8,254	7,911	<i>15,119</i>	<i>5,786</i>	<i>8,199</i>	42.7%	48.6%	49.4%	
30-Dec-04	29,508	217	2,480	459	1,705	1,550	<i>1,542</i>	34,369	<i>-4,768</i>	5,297	3,737	39	0	61	9,134	8,392	<i>30,003</i>	<i>9,628</i>	<i>8,926</i>	26.3%	36.0%	49.1%	
31-Dec-04	39,135	217	3,715	1,681	1,759	1,656	<i>1,564</i>	46,507	<i>-10,752</i>	5,497	4,207	18	0	33	9,755	8,963	<i>47,503</i>	<i>15,938</i>	<i>10,170</i>	20.9%	26.9%	46.9%	
Total	493,148	6,691	11,873	13,742	47,687	47,457	<i>46,427</i>	573,141	<i>5,392</i>	130,992	117,601	1,875	0	2,008	252,477	247,202	<i>315,272</i>	<i>255,196</i>	<i>238,735</i>	1497.9%	1517.5%	1516.1%	
Average	15,908	216	383	443	1,538	1,531	<i>1,498</i>	18,488	<i>174</i>	4,226	3,794	60	0	65	8,144	7,974	<i>10,170</i>	<i>8,232</i>		48.3%	49.0%	48.9%	

DECEMBER 2004

CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR  
DAILY OPERATIONS

RUN DATE: January 13, 2005

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	
		1,057,649									
1	459.30	1,065,919	+8,270	4,924	234	189	0	-332	30	.09	.00
2	460.17	1,074,824	+8,905	4,636	0	26	0	-120	0	.00	.00
3	460.98	1,083,137	+8,313	4,610	0	89	0	-330	17	.05	.00
4	461.71	1,090,646	+7,509	4,101	0	139	0	-176	23	.07	.00
5	462.84	1,102,304	+11,658	6,341	0	147	0	-317	10	.03	.00
6	463.23	1,106,337	+4,033	2,357	0	174	0	-150	40	.12	.00
7	463.45	1,108,614	+2,277	898	0	38	0	+288	10	.03	.30
8	463.95	1,113,795	+5,181	3,722	945	0	0	-165	7	.02	.16
9	464.56	1,120,126	+6,331	3,367	0	0	0	-175	0	.00	.00
10	465.19	1,126,678	+6,552	3,509	0	0	0	-206	10	.00	.00
11	465.26	1,127,406	+728	2,208	1,733	86	0	-22	7	.02	.00
12	465.64	1,131,364	+3,958	2,314	0	130	0	-189	17	.05	.00
13	465.25	1,127,302	-4,062	1,509	3,257	131	0	-170	7	.02	.00
14	465.60	1,130,948	+3,646	3,802	938	142	0	-884	7	.02	.00
15	466.08	1,135,953	+5,005	3,783	1,014	161	0	-84	7	.02	.00
16	466.88	1,144,312	+8,359	4,770	0	179	0	-377	4	.04	.00
17	467.72	1,153,110	+8,798	4,966	0	176	0	-355	14	.04	.01
18	468.73	1,163,717	+10,607	5,937	0	177	0	-412	10	.03	.02
19	470.84	1,185,978	+22,261	11,833	0	182	0	-428	0	.01	.01
20	471.69	1,194,983	+9,005	4,947	0	169	0	-238	17	.05	.01
21	472.11	1,199,441	+4,458	2,603	0	106	0	-250	3	.01	.01
22	472.80	1,206,776	+7,335	4,242	0	176	0	-368	17	.05	.00
23	473.41	1,213,272	+6,496	3,687	0	178	0	-234	10	.03	.00
24	474.01	1,219,673	+6,401	3,685	0	180	0	-278	10	.03	.00
25	475.12	1,231,543	+11,870	6,433	0	165	0	-283	0	.00	.00
26	475.74	1,238,188	+6,645	3,831	0	152	0	-328	3	.01	.00
27	476.24	1,243,580	+5,392	2,901	0	156	0	-26	28	.08	.04
28	476.89	1,250,577	+6,997	3,769	0	207	0	-35	10	.03	.88
29	477.81	1,260,502	+9,925	5,281	0	195	0	-82	0	.00	.00
30	478.61	1,269,154	+8,652	4,477	0	187	0	+71	18	.05	.13
31	479.90	1,283,146	+13,992	7,289	0	211	0	-24	0	.02	.75
<b>TOTALS</b>			<b>+225,497</b>	<b>132,732</b>	<b>8,121</b>	<b>4,248</b>	<b>0</b>	<b>-6,679</b>	<b>336</b>	<b>1.02</b>	<b>2.32</b>
<b>ACRE-FEET</b>			<b>+225,497</b>	<b>263,274</b>	<b>16,108</b>	<b>8,426</b>	<b>0</b>	<b>-13,248</b>	<b>666</b>		

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	16,108	SPILL	0	THIS MONTH =	2.32
PACHECO TUNNEL	8,426	TOTAL	24,534	JULY 1, 2004 TO DATE =	5.19

DECEMBER 2004

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

RUN DATE: January 13, 2005

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		
		51,821									
1	223.50	52,384	+563	3,554	234	5,422	0	4,924	3,928		-75
2	222.88	50,726	-1,658	3,658	0	3,582	0	4,636	3,392		-48
3	222.30	49,182	-1,544	3,676	0	3,675	0	4,610	3,541		+21
4	221.99	48,360	-822	3,740	0	3,808	0	4,101	3,997		+136
5	219.51	41,887	-6,473	3,635	0	4,108	0	6,341	4,597		-70
6	219.59	42,093	+206	3,705	0	1,417	0	2,357	2,684		+24
7	221.59	47,309	+5,216	1,978	0	4,147	0	898	2,518		-79
8	221.74	47,703	+394	1,456	945	4,879	0	3,722	3,303		-55
9	220.66	44,870	-2,833	1,215	0	4,285	0	3,367	3,285		-277
10	219.82	42,686	-2,184	1,150	0	4,170	0	3,509	3,274		+361
11	219.93	42,971	+285	2,378	1,733	1,353	0	2,208	3,270		+157
12	218.93	40,407	-2,564	3,541	0	1,587	0	2,314	3,944		-163
13	221.40	46,810	+6,403	3,715	3,257	1,553	0	1,509	3,700		-88
14	220.87	45,420	-1,390	3,773	938	1,614	0	3,802	3,294		+70
15	220.40	44,192	-1,228	3,701	1,014	1,883	0	3,783	3,340		-95
16	221.17	46,206	+2,014	3,743	0	5,411	0	4,770	3,386		+18
17	222.47	49,634	+3,428	3,868	0	5,989	0	4,966	3,145		-17
18	223.13	51,393	+1,759	3,902	0	6,810	0	5,937	4,047		+160
19	218.34	38,920	-12,473	3,899	0	6,200	0	11,833	4,873		+318
20	219.11	40,864	+1,944	3,543	0	5,851	0	4,947	3,367		-100
21	221.35	46,679	+5,815	3,281	0	5,517	0	2,603	3,161		-101
22	221.26	46,442	-237	3,365	0	4,634	0	4,242	3,903		+26
23	222.05	48,517	+2,075	3,317	0	4,763	0	3,687	3,408		+61
24	222.21	48,942	+425	3,351	0	4,243	0	3,685	3,508		-187
25	219.95	43,023	-5,919	3,214	0	3,992	0	6,433	3,884		+126
26	219.84	42,738	-285	3,067	0	4,192	0	3,831	3,543		-29
27	220.55	44,583	+1,845	2,986	0	3,534	0	2,901	2,858		+169
28	220.81	45,263	+680	3,035	0	4,095	0	3,769	3,084		+67
29	220.17	43,593	-1,670	2,947	0	3,945	0	5,281	2,353		-100
30	221.51	47,099	+3,506	3,199	0	4,515	0	4,477	1,487		+18
31	223.36	52,009	+4,910	3,466	0	7,562	0	7,289	1,375		+173
<b>TOTALS</b>			<b>+188</b>	<b>99,058</b>	<b>8,121</b>	<b>128,736</b>	<b>0</b>	<b>132,732</b>	<b>103,449</b>		<b>+421</b>
<b>ACRE-FEET</b>			<b>+188</b>	<b>196,482</b>	<b>16,108</b>	<b>255,348</b>	<b>0</b>	<b>263,274</b>	<b>205,191</b>	<b>124</b>	<b>835</b>

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

**SUMMARY**  
RELEASE (ACRE-FEET)

O'NEILL GEN.	0	DOS AMIGOS PUMP	205,191
SAN LUIS PUMP	263,274	DELIVERIES	124
		TOTAL	468,589

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

Table 19

DECEMBER 2004

FEDERAL-STATE OPERATIONS  
SAN LUIS UNIT

RUN DATE: January 13, 2005

DAY	AQUEDUCT CHECK 12			O'NEILL			SAN LUIS			SAN LUIS			PACHECO PUMP	DOS AMIGOS			
	STATE	FED	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL	FED	STATE	TOTAL		FED	STATE	TOTAL	
1	10,755	0	10,755	7,049	0	7,049	0	4,495	5,271	9,766	0	464	464	374	0	7,791	7,791
2	7,105	0	7,105	7,256	0	7,256	0	7,836	1,359	9,195	0	0	0	51	0	6,728	6,728
3	7,290	0	7,290	7,292	0	7,292	0	7,790	1,354	9,144	0	0	0	177	0	7,024	7,024
4	7,553	0	7,553	7,418	0	7,418	0	7,022	1,112	8,134	0	0	0	275	0	7,929	7,929
5	8,149	0	8,149	7,211	0	7,211	0	12,678	-101	12,577	0	0	0	291	0	9,118	9,118
6	2,810	0	2,810	7,348	0	7,348	0	4,731	-55	4,676	0	0	0	346	972	4,352	5,324
7	8,225	0	8,225	3,923	0	3,923	0	1,770	11	1,781	0	0	0	76	969	4,026	4,995
8	9,678	0	9,678	2,887	0	2,887	0	3,229	4,154	7,383	0	1,874	1,874	0	983	5,569	6,552
9	8,499	0	8,499	2,410	0	2,410	0	1,671	5,007	6,678	0	0	0	0	991	5,524	6,515
10	8,271	0	8,271	2,282	0	2,282	0	4,670	2,291	6,961	0	0	0	0	0	6,493	6,493
11	2,684	0	2,684	4,716	0	4,716	0	4,712	-333	4,379	0	3,438	3,438	170	0	6,486	6,486
12	3,147	0	3,147	7,024	0	7,024	0	4,537	53	4,590	0	0	0	258	0	7,822	7,822
13	3,081	0	3,081	7,369	0	7,369	0	3,186	-192	2,994	0	6,460	6,460	259	0	7,338	7,338
14	3,201	0	3,201	7,483	0	7,483	0	7,724	-183	7,541	0	1,861	1,861	281	0	6,533	6,533
15	3,734	0	3,734	7,341	0	7,341	0	7,683	-180	7,503	0	2,012	2,012	319	0	6,624	6,624
16	10,733	0	10,733	7,424	0	7,424	0	6,991	2,471	9,462	0	0	0	356	0	6,717	6,717
17	11,879	0	11,879	7,672	0	7,672	0	6,142	3,709	9,851	0	0	0	349	1,285	4,954	6,239
18	13,508	0	13,508	7,739	0	7,739	0	6,158	5,619	11,777	0	0	0	352	1,309	6,719	8,028
19	12,298	0	12,298	7,734	0	7,734	0	12,256	11,214	23,470	0	0	0	361	1,207	8,458	9,665
20	11,606	0	11,606	7,027	0	7,027	0	3,374	6,439	9,813	0	0	0	335	1,228	5,450	6,678
21	10,942	0	10,942	6,507	0	6,507	0	5,093	71	5,164	0	0	0	210	1,256	5,014	6,270
22	9,191	0	9,191	6,675	0	6,675	0	4,612	3,802	8,414	0	0	0	349	1,309	6,432	7,741
23	9,448	0	9,448	6,579	0	6,579	0	4,558	2,756	7,314	0	0	0	353	1,064	5,695	6,759
24	8,415	0	8,415	6,647	0	6,647	0	6,047	1,262	7,309	0	0	0	357	1,269	5,689	6,958
25	7,919	0	7,919	6,375	0	6,375	0	6,792	5,967	12,759	0	0	0	328	1,282	6,421	7,703
26	8,314	0	8,314	6,084	0	6,084	0	4,373	3,225	7,598	0	0	0	302	1,207	5,821	7,028
27	7,010	0	7,010	5,923	0	5,923	0	2,309	3,445	5,754	0	0	0	310	1,261	4,408	5,669
28	8,122	0	8,122	6,019	0	6,019	0	4,837	2,639	7,476	0	0	0	410	1,251	4,866	6,117
29	7,825	0	7,825	5,846	0	5,846	0	5,926	4,549	10,475	0	0	0	387	1,247	3,421	4,668
30	8,955	0	8,955	6,346	0	6,346	0	4,063	4,818	8,881	0	0	0	370	1,210	1,739	2,949
31	15,000	0	15,000	6,875	0	6,875	0	3,852	10,605	14,457	0	0	0	418	1,224	1,503	2,727
<b>TOTAL</b>	<b>255,347</b>	<b>0</b>	<b>255,347</b>	<b>196,481</b>	<b>0</b>	<b>196,481</b>	<b>0</b>	<b>263,276</b>	<b>16,109</b>	<b>279,385</b>	<b>0</b>	<b>8,424</b>	<b>8,424</b>	<b>205,188</b>	<b>0</b>	<b>22,524</b>	<b>227,712</b>
<b>FEDERAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>196,481</b>	<b>0</b>	<b>196,481</b>	<b>0</b>	<b>171,117</b>	<b>0</b>	<b>171,117</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>182,664</b>	<b>0</b>	<b>22,524</b>	<b>205,188</b>
<b>STATE</b>	<b>255,347</b>	<b>0</b>	<b>255,347</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92,159</b>	<b>16,109</b>	<b>108,268</b>	<b>0</b>	<b>8,424</b>	<b>8,424</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22,524</b>

COMMENTS: ALL VALUES IN ACRE-FEET

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

Table 20

DECEMBER 2004

FEDERAL-STATE OPERATIONS

RUN DATE: January 13, 2005

DAY	TRACY PUMPING			CLIFT COURT TOTAL	DELTA PUMPING PLANT			FED BANKS XVC	STATE			AQEDUCT CHECK 21			DMC-POOL DEMANDS
	FED	STATE	TOTAL		STATE	FED	TOTAL		AMIGOS XVC	BYRON TOTAL	STATE	FED	TOTAL		
1	8,606	0	8,606	7,857	10,873	0	10,873	0	0	0	5,751	0	5,751	1,557	
2	8,562	0	8,562	7,993	7,218	0	7,218	0	0	0	6,291	0	6,291	1,306	
3	8,637	0	8,637	7,920	8,092	0	8,092	0	0	0	5,272	0	5,272	1,345	
4	8,552	0	8,552	7,921	7,835	0	7,835	0	0	0	6,231	0	6,231	1,134	
5	8,394	0	8,394	7,929	7,563	0	7,563	0	0	0	5,431	0	5,431	1,183	
6	8,218	0	8,218	3,952	3,888	0	3,888	0	0	0	5,645	0	5,645	870	
7	3,273	0	3,273	8,708	8,643	0	8,643	0	0	0	4,063	0	4,063	-650	
8	3,281	0	3,281	8,721	9,388	0	9,388	0	0	0	5,816	0	5,816	394	
9	3,289	0	3,289	8,724	8,509	0	8,509	0	0	0	4,830	0	4,830	879	
10	3,303	0	3,303	8,706	8,469	0	8,469	0	0	0	4,470	0	4,470	1,021	
11	6,888	0	6,888	5,343	3,102	0	3,102	0	0	0	5,445	0	5,445	2,172	
12	8,325	0	8,325	3,757	3,692	0	3,692	0	0	0	7,007	0	7,007	1,301	
13	8,351	0	8,351	3,767	3,552	0	3,552	0	0	0	5,406	0	5,406	982	
14	8,356	0	8,356	3,750	3,577	0	3,577	0	0	0	4,919	0	4,919	873	
15	8,311	0	8,311	3,771	3,598	0	3,598	0	0	0	5,483	0	5,483	970	
16	8,621	0	8,621	8,185	11,289	0	11,289	0	0	0	5,147	0	5,147	1,197	
17	8,671	0	8,671	10,859	12,494	0	12,494	0	0	0	5,630	0	5,630	999	
18	8,611	0	8,611	12,251	13,518	0	13,518	0	0	0	6,349	0	6,349	872	
19	8,542	0	8,542	14,237	12,561	0	12,561	0	0	0	8,072	0	8,072	808	
20	8,586	0	8,586	10,998	10,977	0	10,977	0	0	0	5,679	0	5,679	1,559	
21	8,620	0	8,620	11,939	11,767	0	11,767	0	0	0	6,251	0	6,251	2,113	
22	8,624	0	8,624	9,910	10,146	0	10,146	0	0	0	5,981	0	5,981	1,949	
23	8,628	0	8,628	9,911	9,546	0	9,546	0	0	0	5,646	0	5,646	2,049	
24	8,183	0	8,183	8,901	8,664	0	8,664	0	0	0	5,512	0	5,512	1,536	
25	7,354	0	7,354	8,348	8,649	0	8,649	0	0	0	6,816	0	6,816	979	
26	7,377	0	7,377	8,323	8,065	0	8,065	0	0	0	6,463	0	6,463	1,293	
27	7,150	0	7,150	7,906	7,540	0	7,540	0	0	0	5,084	0	5,084	1,227	
28	6,942	0	6,942	8,906	7,615	0	7,615	0	0	0	5,415	0	5,415	923	
29	7,249	0	7,249	8,919	8,703	0	8,703	0	0	0	4,514	0	4,514	1,403	
30	7,413	0	7,413	10,507	9,796	0	9,796	0	0	0	2,968	0	2,968	1,067	
31	8,345	0	8,345	10,904	14,112	0	14,112	0	0	0	2,149	0	2,149	1,470	
<b>TOTALS</b>	<b>233,262</b>	<b>0</b>	<b>233,262</b>	<b>259,823</b>	<b>263,441</b>	<b>0</b>	<b>263,441</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169,736</b>	<b>0</b>	<b>169,736</b>	<b>36,781</b>	

COMMENTS: ALL VALUES IN ACRE-FEET

TOTAL TRACY: 12/05/04 thru 12/15/04 Decrease in Tracy Pumping for Fish Experiment.

TOTAL TRACY: 12/24/04 thru 12/31/04 Decrease in Tracy Pumping needed to augment 7 day minimum Delta Outflow.

**Table 21**

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

**Central Valley Project - California  
2004**

Monthly Diversions in AF

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>CANALS</b>													
Contra Costa	12147	10001	4372	19212	6625	17062	19061	15225	6758	3370	4903	3713	122449
Delta-Mendota	267475	277821	254201	116164	58987	215762	268479	271922	260925	267826	255278	233262	2748102
Actual Fed Dos Amigos	67746	59329	90995	115315	166065	216932	189190	103082	45034	15643	18144	30095	1117570
Madera	0	0	14789	32811	29078	49887	50183	20482	5270	0	0	0	202500
Friant-Kern	6389	20089	42538	69060	110743	168280	148973	100994	68512	28866	0	0	764444
Corning	0	97	180	1593	2650	4090	4550	4092	2969	988	194	0	21403
Folsom-South	2291	1626	1966	2450	2773	2785	2924	2848	1658	2291	1930	0	25542
Tehama-Colusa	149	1896	4941	16201	46077	62258	56224	33392	17336	6829	0	0	245303
<b>CACHUMA PROJECT</b>													
Tecolote Tunnel	1861	2087	1989	3217	3422	3047	3238	3273	3213	2090	1884	1968	31289
<b>KLAMATH PROJECT</b>													
"A" Canal Upper Klamath	0	40690	0	25620	38160	41180	NR	NR	NR	NR	NR	NR	145650
Klamath Drainage District	9430	11060	7370	5400	5780	11020	NR	NR	NR	NR	NR	NR	50060
Clear Lake Reservoir	0	0	0	480	3500	3750	NR	NR	NR	NR	NR	NR	7730
Gerber Reservoir	0	0	0	860	2980	3660	NR	NR	NR	NR	NR	NR	7500
Klamath River to Lost River	0	0	0	0	5310	7220	NR	NR	NR	NR	NR	NR	12530
<b>ORLAND PROJECT</b>													
Stony Creek	0	0	1434	13423	16378	17203	18387	17141	14612	5359	0	0	103937
South Canal	0	0	1212	9442	11120	5482	12352	11446	9852	3497	0	0	64403
North Canal	0	0	222	3981	5258	11721	6034	5695	4760	1862	0	0	39533
<b>SOLANO PROJECT</b>													
Putah South Canal	3160	3174	7857	24334	30830	34858	36667	29171	20492	7131	1502	2007	201183



**Table 22**

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

**Friant-Kern Canal  
2004**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alpaugh ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison WSD	2005	2918	10918	6146	0	0	0	1072	7616	1061	2059	0	33795
Atwell Island WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Delano-Earlimart ID	207	1111	5675	15753	20668	25663	24682	13162	13260	7072	966	0	128219
Exeter ID	3	5	144	708	1559	1990	2347	2340	1824	751	4	0	11675
City of Fresno	0	269	22	87	7856	22464	22852	1693	187	280	0	0	55710
County of Fresno SA #34	3	4	20	30	40	86	94	84	61	25	5	3	455
Fresno ID	0	0	0	3750	7856	0	0	0	0	0	0	0	11606
Garfield WD	0	26	65	322	468	478	514	424	315	144	0	0	2756
Hills Valley ID	0	0	102	440	670	828	863	795	778	287	0	0	4763
International WD	0	0	0	16	176	257	410	287	266	132	0	0	1544
Ivanhoe ID	0	0	0	242	699	1133	1604	1247	1383	1022	31	0	7361
Kaweah Delta WCD	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern County Water Agency	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD	273	258	1364	2585	4323	5080	5313	4963	4000	1660	342	186	30347
Kings County WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Kings River CD	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewis Creek WD	0	0	0	21	75	81	87	166	55	39	0	0	524
Lindmore ID	0	0	841	2621	5445	7291	8298	6756	4414	2270	183	0	38119
City of Lindsay	151	143	200	222	276	240	264	249	255	187	0	0	2187
Lindsay-Strathmore ID	0	102	76	347	3065	3485	4209	4134	3443	1548	370	84	20863
Wutchumna (LSID non-project)	159	33	572	1794	0	0	0	0	0	0	0	0	2558
Lower Tule River ID	0	0	0	0	13984	23122	19134	15232	0	0	0	0	71472
North-Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Orange Cove	80	88	117	171	197	214	243	247	201	157	144	170	2029
Orange Cove ID	0	10	573	2652	4278	5306	6235	6075	5056	1893	13	0	32091
Pixley ID	0	0	0	0	3528	6399	182	0	0	0	0	0	10109
Porterville ID	0	0	840	1520	2218	3094	3428	2263	934	118	0	0	14415
Rag Gulch WD	0	46	188	1136	1755	2025	1772	1580	846	450	82	0	9880
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Saucelito ID	0	271	1918	4311	4123	4445	4479	3295	1794	752	33	0	25421
Semitropic WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Shafter Wasco ID	869	6224	5895	6888	9101	8101	7915	3625	3091	1825	227	0	53761
Southern San Joaquin MUD	726	3537	8409	12668	16834	16759	16807	11801	9053	4206	378	0	101178
Smallwood Vineyards	0	0	7	70	103	107	120	31	9	5	0	0	452
Stone Corral ID	18	16	229	749	1297	1750	1830	1426	1218	387	11	0	8931
Strathmore PUD	35	32	44	56	57	47	51	42	38	27	14	0	443
Styro Tek, Inc.	0	1	1	0	1	0	1	1	1	0	1	0	7
Tea Pot Dome WD	0	0	127	544	864	1068	1191	1171	1010	397	19	0	6391
Terra Bella ID	64	50	430	1695	2515	2949	3411	3340	3064	1165	139	0	18822
Tri-Valley WD	0	0	5	48	170	242	315	346	231	109	0	0	1466
Tulare ID	0	0	0	0	0	24373	8523	6562	57	225	0	0	39740
Tulare Lake Basin WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4593</b>	<b>15144</b>	<b>38782</b>	<b>67592</b>	<b>114201</b>	<b>169077</b>	<b>147174</b>	<b>94409</b>	<b>64460</b>	<b>28194</b>	<b>5021</b>	<b>443</b>	<b>749090</b>

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

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

**Madera Canal and Millerton Lake**  
**2004**

Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>MADERA CANAL</b>													
Chowchilla WD	0	0	11774	6688	0	20880	26297	2648	0	0	0	0	68287
Madera ID	0	0	0	22969	27634	26701	24334	17342	6075	0	0	0	125055
Soquel	0	0	0	0	0	0	0	7963	0	0	0	0	7963
<b>Total</b>	<b>0</b>	<b>0</b>	<b>11774</b>	<b>29657</b>	<b>27634</b>	<b>47581</b>	<b>50631</b>	<b>27953</b>	<b>6075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>201305</b>
<b>MILLERTON LAKE</b>													
County of Madera	2	2	3	6	6	7	8	7	6	5	3	2	57
Fresno County # 18	6	6	8	16	19	20	26	22	19	11	6	5	164
Gravelly Ford WD	0	0	996	2419	1556	1495	623	1065	1981	0	0	0	10135
<b>Total</b>	<b>8</b>	<b>8</b>	<b>1007</b>	<b>2441</b>	<b>1581</b>	<b>1522</b>	<b>657</b>	<b>1094</b>	<b>2006</b>	<b>16</b>	<b>9</b>	<b>7</b>	<b>10356</b>

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

Table 24

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

**San Joaquin and Mendota Pool  
2004**

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Fresno Slough WD	0	474	354	321	605	583	868	542	236	73	0	0	4056
Hughes, Melvin	0	0	36	0	5	28	26	26	0	0	0	0	121
James ID	458	5378	3758	468	3295	7199	7813	7057	2134	694	1234	179	39667
Coelho-Gardner-Hanson	0	162	465	319	258	567	485	368	99	0	0	0	2723
Mid-Valley WD (no contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Reclamation District #1606	0	86	0	0	95	120	86	113	0	0	0	0	500
Terra Linda Farms	77	1092	173	343	1017	1714	1882	1550	253	269	18	0	8388
Tranquility ID	0	4383	1898	1427	4425	5547	5779	4564	211	51	28	0	28313
Wilson, JW (no contract)	0	119	62	0	52	180	225	176	0	0	0	0	814
<b>Total</b>	<b>535</b>	<b>11694</b>	<b>6746</b>	<b>2878</b>	<b>9752</b>	<b>15938</b>	<b>17164</b>	<b>14396</b>	<b>2933</b>	<b>1087</b>	<b>1280</b>	<b>179</b>	<b>84582</b>

\* James ID in March includes 1690 AF of 215 water.

**Exchange Contractors**

Central California ID	0	29161	34759	32744	57347	61047	76507	<b>65610</b>	<b>42822</b>	<b>50006</b>	<b>17578</b>	2981	470562
Columbia Canal Co	0	3013	6286	5671	6444	9142	9975	8807	4235	1922	0	0	55495
Firebaugh Canal Co	101	4528	2142	2284	3590	3932	5718	3589	1781	897	793	178	29533
San Luis Canal Co	0	3019	13818	11468	15999	27110	27260	20031	9947	11058	7837	2267	149814
<b>Total</b>	<b>101</b>	<b>39721</b>	<b>57005</b>	<b>52167</b>	<b>83380</b>	<b>101231</b>	<b>119460</b>	<b>98037</b>	<b>58785</b>	<b>63883</b>	<b>26208</b>	<b>5426</b>	<b>705404</b>

**Revised**

Grassland WD - 76.05L CCID #1-07-20-W1754	7379	3953	1700	3570	9906	6588	2397	12440	28244	31518	10769	8853	127317
US F&WS - Kesterson #00-WC-20-1647	6396	13443	0	1894	2394	4615	5184	0	0	2829	2979	456	40190
State F&WS - DWR #00-WC-20-1647 Kern National Wildlife	1355	870	970	0	0	468	0	1317	3177	5687	5095	3410	22349
State F&G - Water Fowl Dist #1-07-20-W19756	3932	1797	883	903	1665	1292	1915	3908	6236	5865	2441	634	31471
DFG Traction Ranch - Mendota Pool #14-06-200-7859Z	687	348	406	398	762	956	765	765	850	906	882	257	7982
<b>Total</b>	<b>19749</b>	<b>20411</b>	<b>3959</b>	<b>6765</b>	<b>14727</b>	<b>13919</b>	<b>10261</b>	<b>18430</b>	<b>38507</b>	<b>46805</b>	<b>22166</b>	<b>13610</b>	<b>229309</b>

Table 25

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

## Monthly Deliveries in AF

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

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Banta Carbona ID	0	0	301	349	669	300	1070	0	0	0	0	0	2689
Broadview WD	1069	2348	633	384	844	3660	2933	1806	45	0	0	0	13722
CCID (Abv CK 13)	393	472	1819	1836	2043	1834	1900	1775	1319	623	149	389	14552
CCID (Blw CK 13)	1868	623	6651	4524	15407	17767	26247	11243	143	122	0	225	84820
Centinella WD	0	0	0	0	0	0	0	0	0	0	0	0	0
China Island (76.05)	0	168	317	415	0	0	532	446	0	0	0	730	2608
Del Puerto WD	43	321	4653	11829	14555	15406	17831	12283	7126	3040	84	233	87404
DWR Intertie @MP7.70-R	0	0	0	0	0	0	0	0	0	0	0	0	0
Eagle Field WD	162	416	81	225	468	604	628	606	162	1	0	7	3360
Firebaugh Canal	101	1940	821	1836	3525	8318	8230	5495	0	0	0	9	30275
Frietas Unit (76.05L)	0	569	25	0	0	0	0	0	0	0	0	738	1332
Mercy Springs WD	37	144	38	163	153	312	357	311	27	148	0	0	1690
Newman Wasteway Recirculation	0	0	0	0	0	0	0	6269	0	0	0	0	6269
Oro Loma WD	47	505	0	80	418	404	567	344	0	0	0	0	2365
Panoche WD - Ag	284	453	135	288	615	1135	927	835	121	4	137	2	4936
Panoche WD - M&I	2	3	2	3	2	3	2	2	2	2	2	2	27
Patterson WD	0	131	1057	440	695	558	1176	999	753	197	0	0	6006
Plainview WD	0	17	57	414	507	593	511	404	384	76	18	15	2996
Salt Slough Unit (76.05L)	1009	0	701	250	0	651	663	0	0	0	0	1015	4289
San Luis WD - Ag	254	1238	576	523	1554	2473	2522	1506	341	83	2	71	11143
San Luis WD - M&I	1	1	2	12	24	26	41	34	35	23	29	6	234
Tracy, City of	0	447	649	1226	1296	1245	1260	1305	1255	1166	853	514	11216
West Side ID	0	0	0	0	40	58	150	22	0	0	0	0	270
Widren	0	13	69	140	30	53	23	0	0	0	0	0	328
W. Stanislaus ID	64	319	2145 *	4144	4471	4749	7873	4835	331	499	150	51	29631
F&G - Los Banos Ref. 76.05L	1027	0	860	612	554	850	540	0	0	0	0	350	4793
Volta Wildlife Mgmt Area (F&G)	38	245	0	206	244	281	228	2240	2584	2326	341	338	9071
Grasslands WD - 76.05L	6638	3623	1700	3428	8410	5002	1420	9807	11088	11405	2013	8585	73119
Grasslands WD - Volta	215	571	0	2217	4181	1725	1403	2692	9160	14291	2094	963	39512
F&W (Volta) Santa Fee Kest.	0	569	0	522	456	0	0	278	912	1041	893	922	5593
F&W - Kesterson 76.05L	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total DMC Deliveries</b>	<b>13252</b>	<b>15136</b>	<b>23292</b>	<b>36066</b>	<b>61161</b>	<b>68007</b>	<b>79034</b>	<b>65537</b>	<b>35788</b>	<b>35047</b>	<b>6765</b>	<b>15165</b>	<b>454250</b>
Oneill Net Pumped	218374	130378	147335	8908	-109015	-1894	15431	67998	127098	146992	207716	196481	1155802
DMC plus Oneill	231626	145514	170627	44974	-47854	66113	94465	133535	162886	182039	214481	211646	1610052

Data supplied by San Luis Delta-Mendota Water Authority

\* West Stanislaus total includes 761 AF rescheduled water and 1,100 AF of 215 water.

Table 26

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

**San Luis and Cross Valley Canals**  
2004

Monthly Deliveries in AF

Water User	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>SAN LUIS CANAL</b>													
City of Avenal	182	168	204	225	266	271	303	289	277	227	198	186	2796
Broadview WD	2	0	0	2	1	3	2	2	3	3	1	2	21
City of Coalinga	325	343	405	578	761	852	1146	1123	826	544	328	361	7592
City of Dos Palos	69	68	92	127	161	173	194	179	156	111	72	68	1470
City of Huron	48	47	69	77	113	120	141	126	103	84	70	51	1049
Pacheco WD	1	1	1	101	29	2321	2992	1725	732	379	1	1	8284
Pacheco CCID Non-project (Hamburg)	329	724	885	1438	2207	0	0	0	0	0	104	123	5810
Panoche WD	4250	4383	3534	3809	6957	13153	11660	6501	833	458	73	206	55817
San Luis WD	2383	5047	5261	6667	10311	13435	12331	6961	3096	2447	402	235	68576
Westlands WD (Federal)	60726	51482	82863	103574	146551	190101	164745	95799	34229	22838	10997	19515	983420
Fish & Game (Lateral 4 - Federal )	1	0	1	1	0	0	1	0	0	0	0	1	5
Fish & Game (Lateral 6 - Federal)	0	0	0	0	0	0	0	0	0	0	0	90	90
<b>Total</b>	<b>68316</b>	<b>62263</b>	<b>93315</b>	<b>116599</b>	<b>167357</b>	<b>220429</b>	<b>193515</b>	<b>112705</b>	<b>40255</b>	<b>27091</b>	<b>12048</b>	<b>20839</b>	<b>1134732</b>
*Westlands corrected on 2/24/05													
<b>O'NEILL FOREBAY DELIVERIES</b>													
Oneill Forebay Wildlife (Federal)	60	65	69	74	30	37	79	114	71	74	82	71	826
San Luis WD Ag	54	316	649	1026	1353	1834	1725	986	562	325	76	16	8922
San Luis M&I	27	24	36	86	99	96	67	101	85	66	54	37	778
VA Cemetary	1	1	2	4	11	9	11	11	9	6	1	1	67
<b>Total</b>	<b>142</b>	<b>406</b>	<b>756</b>	<b>1190</b>	<b>1493</b>	<b>1976</b>	<b>1882</b>	<b>1212</b>	<b>727</b>	<b>471</b>	<b>213</b>	<b>125</b>	<b>10593</b>
<b>CROSS VALLEY CANAL</b>													
County of Fresno	0	0	0	0	0	0	0	1567	0	383	0	0	1950
County of Tulare	0	0	0	0	0	0	0	2036	0	742	0	0	2778
Lower Tule River ID	0	0	7766	0	0	0	0	6187	0	6565	85	0	20603
Pixley ID	0	0	0	0	0	0	0	10094	0	1706	85	0	11885
Kern-Tulare WD	0	0	4255	0	0	0	0	9628	0	9344	0	0	23227
Rag Gulch WD	0	0	4254	0	0	0	0	3082	0	320	0	0	7656
Hills-Valey ID	0	0	0	0	0	0	0	1283	0	468	0	0	1751
Tri-Valley ID	0	0	0	0	0	0	0	438	0	159	0	0	597
<b>Total</b>	<b>0</b>	<b>0</b>	<b>16275</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34315</b>	<b>0</b>	<b>19687</b>	<b>170</b>	<b>0</b>	<b>70447</b>
<b>SAN FELIPE DIVISION</b>													
Santa Clara	9868	7309	4408	7591	12961	15850	16976	14572	12186	7315	10003	7592	126631
215 water	0	0	1110	0	0	0	0	0	0	0	0	0	1110
San Benito	1203	2629	1271	2381	3808	3846	4504	4014	2108	1032	825	832	28453
215 water	0	0	103	0	0	0	0	0	0	0	0	0	103
<b>Total</b>	<b>11071</b>	<b>9938</b>	<b>6892</b>	<b>9972</b>	<b>16769</b>	<b>19696</b>	<b>21480</b>	<b>18586</b>	<b>14294</b>	<b>8347</b>	<b>10828</b>	<b>8424</b>	<b>156297</b>

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

Table 27

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

**Tehama-Colusa Canal**  
**2004**

## Monthly Deliveries in AF

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Colusa County WD	108	109	1763	6476	10850	12200	12335	8087	5194	3003	133	84	60342
Cortina WD	0	0	26	106	216	300	300	131	73	46	0	0	1198
Davis WD	0	0	132	230	909	701	301	259	65	28	1	0	2626
Dunnigan WD	5	10	233	2098	2854	3432	3286	2007	1177	483	115	55	15755
4-M Water District	1	0	143	323	387	414	469	296	121	34	0	0	2188
GCID	0	161	1110	4283	4967	4926	4972	4466	1506	626	0	0	27017
Glenn Valley WD	0	0	30	62	358	259	156	174	9	0	0	0	1048
Glide WD	0	0	32	1126	3694	3263	3596	2841	520	25	199	147	15443
Holthouse WD	0	0	29	246	261	285	460	401	309	30	1	0	2022
Kanawha WD	3	9	397	4089	6348	7975	7630	4788	1774	255	34	15	33317
Kirkwood WD	0	0	2	98	112	127	117	96	110	27	0	0	689
La Grande WD	0	0	1	954	1262	1285	1204	901	142	132	0	0	5881
Myers-Marsh MWC	0	0	32	24	222	216	9	0	0	0	0	0	503
Orland-Artois WD	5	17	416	5579	11522	13421	13737	10108	4994	1444	18	170	61431
Westside WD	6	6	887	4301	8741	9158	7000	4491	1766	667	52	1	37076
<b>Total</b>	<b>128</b>	<b>312</b>	<b>5233</b>	<b>29995</b>	<b>52703</b>	<b>57962</b>	<b>55572</b>	<b>39046</b>	<b>17760</b>	<b>6800</b>	<b>553</b>	<b>472</b>	<b>266536</b>

Data supplied by Willows Field Division, Water and Land Division

Table 28

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

## Monthly Deliveries in AF

## Sacramento River

2004

Water Users	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Anderson Cottonwood ID	0	0	0	10975	19704	18392	19638	17119	15971	1028	0	0	102827
Andreotti, Arthur, et al	0	0	0	0	576	658	740	630	249	0	0	0	2853
Baber, Jack, et	0	0	0	31	753	1061	981	467	0	0	0	0	3293
Carter, Jane	0	0	0	0	9	158	205	111	0	0	0	0	483
Carter MWC	0	0	0	0	487	562	558	240	0	241	0	0	2088
Colusa IC (King & Dommer)	0	0	0	0	4	0	5	0	4	0	0	0	13
Colusa Prop. Inc	0	0	0	90	50	158	96	105	0	0	0	0	499
Conaway Conservancy Group	0	0	0	1400	10466	12116	6322	5621	836	304	0	0	37065
Davis Ranches	0	0	0	2380	6747	6584	7225	5201	104	0	0	0	28241
East Side MWC	0	0	0	77	572	526	436	315	42	0	0	0	1968
Forry, Laurie	0	0	0	0	266	412	514	471	187	0	0	0	1850
Forster, Rosemary	0	0	0	524	470	1011	1035	225	0	0	0	0	3265
Furlan Joint Venture (Area #1)	0	0	0	26	87	119	92	10	0	0	0	0	334
Furlan Joint Venture (Area #2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Glenn-Colusa ID	0	0	0	91992	140825	157831	157870	118841	29356	65147	0	0	761862
Green Valley Corp.	0	0	0	0	181	105	22	380	45	0	0	0	733
Griffin & Prater, TIC	0	0	0	328	481	221	203	356	0	0	0	0	1589
Henle Family Limited Partnership	0	0	0	0	0	1	68	0	0	0	0	0	69
Hershey Land Co	0	0	0	1	48	101	74	234	9	0	0	0	467
Hiatt, Glenn	0	0	0	0	306	247	279	137	0	0	0	0	969
Hollins, Mariette B	0	0	0	66	240	255	218	86	26	0	0	0	891
Howald Farms	0	0	0	218	288	363	343	302	0	0	0	0	1514
Knags Walnut Ranches Co, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lockett, William P.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Cold Storage/J Micheli	0	0	0	442	1605	2204	177	125	0	0	0	0	4553
M&T Inc.	0	0	0	409	1184	2109	2412	1059	29	1688	0	0	8890
Maxwell ID	0	0	0	649	170	0	0	0	0	2652	0	0	3471
MCM Properties, Inc	0	0	0	20	14	43	143	66	30	0	0	0	316
Mehrhof & Montgomery	0	0	0	0	20	13	26	0	27	0	0	0	86
Meridan Farms WC	0	0	0	2101	6758	7209	7027	6680	763	0	0	0	30538
Natomas Central MWC	0	0	0	8173	18706	21850	23882	14508	6586	1219	0	0	94924
O'Brien, Janice	0	0	0	88	155	271	301	277	36	0	0	0	1128
Odyseus Farms	0	0	0	42	16	215	115	87	40	0	0	0	515
Oji Bros. Farms Inc	0	0	0	320	751	870	795	323	37	0	0	0	3096
Oji, Mitsue Family PTN	0	0	0	493	1227	991	1033	529	313	90	0	0	4676
Pelger Mutual WC	0	0	0	1003	1808	1619	1269	988	219	1435	0	0	8341
Pleasant Grove-Verona MWC	0	0	0	1242	4372	4566	4761	2920	0	0	0	0	17861
Princeton,-Codora-Glenn ID	0	0	0	7065	13286	12531	13333	10239	1739	2979	0	0	61172
Provident Irrigation District	0	0	0	8148	11193	13044	10080	3425	58	12931	0	0	58879
Reclamation Dist #1004	0	0	0	3744	11837	14371	12555	8501	2582	11537	0	0	65127
Reclamation Dist #108	0	0	0	11514	39424	38007	35651	22992	2891	7272	0	0	157751
Reynen, John, et al	0	0	0	140	894	959	1019	928	111	104	0	0	4155
River Garden Farms	0	0	0	808	5266	5167	5832	4653	773	1522	0	0	24021
Roberts Ditch Irrigation Co	0	0	0	205	532	769	637	605	102	24	0	0	2874
Sacramento River Ranch, LLC	0	0	0	0	193	1052	882	735	310	0	0	0	3172
Siddiqui, J&A & Siddiqui Family Plan	0	0	0	8	139	33	267	312	198	2	0	0	959
Spence, Ruth Ann	0	0	0	0	0	0	0	0	0	0	0	0	0
Sutter Mutual WC	0	0	0	18363	48301	49830	59286	42865	8060	1620	0	0	228325
Tarke, James, et al	0	0	0	206	746	959	910	509	0	0	0	0	3330
Tisdale Irrigation & Drain	0	0	0	861	1892	1968	2012	1574	82	0	0	0	8389
Wallace Construction, Inc.	0	0	0	0	206	578	481	559	61	135	0	0	2020
Wells, Joyce M	0	0	0	71	260	337	289	114	34	0	0	0	1105
Wilson Ranch Partnership	0	0	0	0	0	0	0	0	0	0	0	0	0
Windswept Land & Livestock Co.	0	0	0	213	967	1063	774	895	464	0	0	0	4376
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>174436</b>	<b>354482</b>	<b>383509</b>	<b>382873</b>	<b>277319</b>	<b>72374</b>	<b>111930</b>	<b>0</b>	<b>0</b>	<b>1756923</b>

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

Table 29

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

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

Mean monthly flow in cfs

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Sacramento River</b>												
Shasta computed inflow	10630	23518	12774	8668	6060	4400	3838	3236	3201	3963	3543	7795
At Keswick	7638	21345	14924	8410	9568	13945	15028	10980	8524	7082	4471	4041
At Bend Bridge	13819	32088	23745	10770	11049	15016	15724	11262	8954	8007	5271	8313
At Vina Bridge	18233	43796	29883	14231	12837	16538	16837	12239	10084	9545	6783	12692
At Ord Ferry	19581	44092	29054	11848	9098	11421	11863	9177	8652	7534	5387	12186
At Colusa	19229	26792	23595	10485	8428	10497	11219	8519	8028	6618	5001	10325
Below Wilkins Slough	18048	19703	19964	9915	6415	8354	8706	6950	7522	6266	5338	9285
At Verona	33182	39903	42251	19612	10945	13443	18864	30534	13630	10867	10292	15003
Sacramento at "I" Street	35497	42770	46233	23795	12686	15155	21440	31928	14919	12119	12799	16364
<b>Miscellaneous Stations</b>												
Folsom computed inflow	3077	4796	5068	3311	2597	1514	1394	1540	1571	1258	1280	2787
American R at Nimbus Dam	2511	3643	3500	4344	2150	2273	3162	1851	1509	1423	1652	1691
Kings River at Pine Flat	155	105	548	1666	2114	6313	4918	1712	334	187	103	120
<b>San Joaquin River</b>												
At Friant Dam	113	116	153	196	215	225	230	246	228	173	135	122
Near Vernalis	1759	2167	3301	2705	2698	1535	1251	1233	1224	1874	1750	1666
<b>Putah Creek</b>												
Berryessa computed inflow	1096	3525	804	226	58	7	-21	-6	-2	38	34	1361
Putah Creek - Lake Solano	40	2584	1447	79	43	43	43	34	34	32	33	50
<b>Stanislaus River</b>												
New Melones computed inflow	1144	1327	1702	1533	1129	588	484	692	686	824	612	1016
At Tulloch Dam	233	340	813	1852	2304	2166	2121	1712	1156	521	278	259
At Orange Blossom	360	453	339	578	675	544	445	309	172	298	292	703

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