State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
April
2008

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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Department of Water Resources
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The organization shown above represents staff and positions relevant to this report as of publication date on December 2011. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of April 2008.

Statewide precipitation was about 85 percent of average for the 2007 - 2008 water-year through April 30. Statewide runoff was 55 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Snow pack water content overall was about 65 percent of average at the end of April compared to 25 percent at this time in 2007. The pack was 50 percent of the April 1 average, which is the normal date of maximum accumulation.

Snowpack and runoff data are compiled four times a year, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of the volume of seasonal runoff from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State. Runoff through April 2008 was 60 percent of average and the estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions was 1.9 maf.

Statewide reservoir storage was 85% of average to date. Total storage in major SWP reservoirs at the end of April 2008 was about 3.14 maf, compared with about 4.56 maf at this time in 2007. On April 30, 2008, end-of-month storage at Lake Oroville was about 1.71 maf, as compared to 3.08 maf at this time in 2007. The State share of San Luis Reservoir's end-of-month storage was about 841 taf, as compared with 878 taf at this time in 2007. The combined storage in SWP's southern reservoirs was about 593 taf, compared with about 607 taf at this time in 2007.

SWP water deliveries to date through April 2008 were about 733 taf. This is a combination of project, transfer, and exchange waters. Total deliveries through this same period in 2007 were 1.34 maf.

The Coordinated Operations Agreement (COA) remained in "Excess" conditions through April 9, 2008. On April 10, by mutual agreement, the United States Bureau of Reclamation and the California Department of Water Resources declared "Balanced Conditions" in the Delta in Accordance with Article 6(h) of the COA. These conditions remained throughout the end of the month.

On April 23, a sewage spill was reported in vicinity of Castaic Lake, about 10 miles from the lake's east arm. Elizabeth Lake Creek flow was reduced to 3 cfs and Health Department closed Elizabeth Lake Canyon portion of Castaic Lake to recreation. On April 24, it was found that Elizabeth Creek was not intruded. Sandbags were placed downstream of the waste water facility. The reason for the spill was a malfunctioning pressure switch at the pump station. Bacteria samples were taken immediately and were found to be normal.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow	
				Stream-flow Maint.	Water Supply Contract	Water Right				
Mar 31	4992.19	14,487								
1	4992.25	14,530	43	20	0	0	0	3	23	45
2	4992.31	14,573	43	20	0	0	0	3	23	45
3	4992.41	14,645	72	20	0	0	0	3	23	59
4	4992.53	14,731	86	20	0	0	0	3	23	66
5	4992.67	14,833	102	20	0	0	0	3	23	74
6	4992.82	14,942	109	20	0	0	0	3	23	78
7	4992.97	15,052	110	20	0	0	0	3	23	78
8	4993.09	15,140	88	20	0	0	0	3	23	67
9	4993.16	15,191	51	20	0	0	0	3	23	49
10	4993.23	15,243	52	20	0	0	0	3	23	49
11	4993.35	15,332	89	20	0	0	0	3	23	68
12	4993.51	15,451	119	20	0	0	0	3	23	83
13	4993.75	15,630	179	20	0	0	0	3	23	113
14	4994.03	15,841	211	20	0	0	0	3	23	129
15	4994.26	16,015	174	20	0	0	0	3	23	111
16	4994.41	16,129	114	20	0	0	0	3	23	80
17	4994.57	16,252	123	20	0	0	0	2	22	84
18	4994.80	16,429	177	20	0	0	0	2	22	111
19	4994.99	16,576	147	20	0	0	0	2	22	96
20	4995.15	16,701	125	20	0	0	0	2	22	85
21	4995.27	16,795	94	20	0	0	0	2	22	69
22	4995.35	16,857	62	20	0	0	0	2	22	53
23	4995.48	16,959	102	20	0	0	0	2	22	73
24	4995.59	17,046	87	20	0	0	0	2	22	66
25	4995.64	17,086	40	20	0	0	0	2	22	42
26	4995.79	17,205	119	20	0	0	0	2	22	82
27	4995.97	17,348	143	20	0	0	0	2	22	94
28	4996.19	17,524	176	20	0	0	0	2	22	111
29	4996.36	17,661	137	20	0	0	0	2	22	91
30	4996.51	17,782	121	20	0	0	0	2	22	83
Total cfs-days			- - -	600	0	0	0	76	676	2,337
Total ac-ft			3,295	1,190	0	0	0	151	1,341	4,636

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow	
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Mar 31	5572.59	34316								
1	5572.62	34,352	36	2	0	0	0	4	6	24
2	5572.70	34,445	93	2	0	0	0	4	6	53
3	5572.76	34,516	71	2	0	0	0	4	6	42
4	5572.83	34,598	82	2	0	0	0	4	6	47
5	5572.90	34,681	83	2	0	0	0	4	6	48
6	5572.96	34,752	71	2	0	0	0	4	6	42
7	5573.01	34,811	59	2	0	0	0	4	6	36
8	5573.07	34,882	71	2	0	0	0	4	6	42
9	5573.14	34,965	83	2	0	0	0	4	6	48
10	5573.19	35,024	59	2	0	0	0	4	6	36
11	5573.23	35,072	48	2	0	0	0	4	6	30
12	5573.26	35,107	35	2	0	0	0	4	6	24
13	5573.35	35,215	108	2	0	0	0	4	6	60
14	5573.43	35,310	95	2	0	0	0	4	6	54
15	5573.50	35,394	84	2	0	0	0	4	6	48
16	5573.57	35,477	83	2	0	0	0	4	6	48
17	5573.61	35,525	48	2	0	0	0	4	6	30
18	5573.67	35,597	72	2	0	0	0	4	6	42
19	5573.72	35,657	60	2	0	0	0	4	6	36
20	5573.80	35,753	96	2	0	0	0	4	6	54
21	5573.84	35,801	48	2	0	0	0	4	6	30
22	5573.88	35,850	49	2	0	0	0	4	6	31
23	5573.93	35,910	60	2	0	0	0	4	6	36
24	5573.96	35,946	36	2	0	0	0	4	6	24
25	5573.99	35,982	36	2	0	0	0	4	6	24
26	5574.01	36,007	25	2	0	0	0	4	6	19
27	5574.06	36,067	60	2	0	0	0	4	6	36
28	5574.11	36,128	61	2	0	0	0	4	6	37
29	5574.14	36,164	36	1	12	0	0	4	17	35
30	5574.17	36,200	36	0	20	0	0	4	24	42
Total cfs-days			- - -	57	32	0	0	120	209	1,159
Total ac-ft			1,884	113	63	0	0	238	415	2,299

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow	
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
Mar 31	5764.02	46,411								
1	5764.07	46,555	144	10	0	0	0	10	20	93
2	5764.09	46,613	58	10	0	0	0	10	20	49
3	5764.15	46,787	174	10	0	0	0	10	20	108
4	5764.21	46,961	174	10	0	0	0	10	20	108
5	5764.26	47,106	145	10	0	0	0	10	20	93
6	5764.33	47,310	204	10	0	0	0	10	20	123
7	5764.38	47,455	145	10	0	0	0	10	20	93
8	5764.43	47,602	147	10	0	0	0	10	20	94
9	5764.46	47,689	87	10	0	0	0	10	20	64
10	5764.50	47,807	118	10	0	0	0	10	20	79
11	5764.54	47,924	117	10	0	0	0	10	20	79
12	5764.59	48,071	147	10	0	0	0	10	20	94
13	5764.65	48,248	177	10	0	0	0	10	20	109
14	5764.72	48,454	206	10	0	0	0	10	20	124
15	5764.75	48,543	89	10	0	0	0	10	20	65
16	5764.78	48,632	89	10	0	0	0	10	20	65
17	5764.81	48,721	89	10	0	0	0	10	20	65
18	5764.87	48,899	178	10	0	0	0	10	20	110
19	5764.87	48,899	0	10	0	0	0	10	20	20
20	5764.86	48,810	-89	10	0	0	0	10	20	-25
21	5764.87	48,899	89	10	0	0	0	10	20	65
22	5764.87	48,899	0	10	0	0	0	10	20	20
23	5764.92	49,048	149	10	0	0	0	10	20	95
24	5764.96	49,167	119	10	0	0	0	10	20	80
25	5764.96	49,167	0	10	0	0	0	10	20	20
26	5764.96	49,167	0	10	0	0	0	10	20	20
27	5764.96	49,167	0	10	0	0	0	9	19	19
28	5764.95	49,137	-30	10	0	0	0	9	19	4
29	5764.95	49,137	0	10	0	0	0	9	19	19
30	5764.95	49,137	0	10	0	0	0	9	19	19
Total cfs-days			- - -	300	0	0	0	296	596	1,970
Total ac-ft			2,726	595	0	0	0	587	1,182	3,908

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Mar 31	749.92	1,676,807										
1	750.60	1,683,157	6,350	1,025	6	0	0	101	0	1,132	0	7,482
2	750.74	1,684,467	1,310	6,037	8	0	0	55	0	6,100	0	7,410
3	751.02	1,687,088	2,621	4,387	8	0	0	100	0	4,495	0	7,116
4	751.50	1,691,588	4,500	2,718	8	0	0	105	0	2,831	0	7,331
5	752.14	1,697,601	6,013	1,634	8	0	0	90	0	1,732	0	7,745
6	752.79	1,703,723	6,122	1,366	8	0	0	65	0	1,439	0	7,561
7	753.51	1,710,524	6,801	1,767	8	0	0	95	0	1,870	0	8,671
8	753.71	1,712,416	1,892	4,069	14	0	0	91	0	4,174	0	6,066
9	753.70	1,712,321	-95	7,539	16	0	0	101	0	7,656	0	7,561
10	753.21	1,707,688	-4,633	10,636	16	0	0	135	0	10,787	0	6,154
11	753.03	1,705,988	-1,700	7,512	19	0	0	161	0	7,692	0	5,992
12	753.27	1,708,255	2,267	6,548	20	0	0	191	0	6,759	0	9,026
13	753.68	1,712,132	3,877	5,866	22	0	0	202	0	6,090	0	9,967
14	754.18	1,716,869	4,737	6,108	22	0	0	176	0	6,306	0	11,043
15	754.60	1,720,855	3,986	6,316	24	0	0	141	0	6,481	0	10,467
16	754.61	1,720,950	95	8,465	26	0	0	132	0	8,623	0	8,718
17	754.32	1,718,197	-2,753	9,775	26	0	0	186	0	9,987	0	7,234
18	754.29	1,717,912	-285	8,862	26	0	0	171	0	9,059	0	8,774
19	754.31	1,718,101	189	9,358	26	0	0	156	0	9,540	0	9,729
20	754.17	1,716,774	-1,327	9,898	26	0	0	121	0	10,045	0	8,718
21	753.50	1,710,429	-6,345	13,332	26	0	0	111	0	13,469	0	7,124
22	752.75	1,703,346	-7,083	16,132	26	0	0	105	0	16,263	0	9,180
23	752.97	1,705,422	2,076	5,782	26	0	0	45	0	5,853	0	7,929
24	753.01	1,705,799	377	6,333	26	0	0	65	0	6,424	0	6,801
25	753.11	1,706,743	944	5,176	26	0	1	146	0	5,349	0	6,293
26	753.14	1,707,027	284	5,449	26	0	1	61	0	5,537	0	5,821
27	753.92	1,714,404	7,377	3,036	26	0	1	171	0	3,234	0	10,611
28	753.79	1,713,173	-1,231	10,631	26	0	1	191	0	10,849	0	9,618
29	753.86	1,713,836	663	11,217	26	0	1	171	0	11,415	0	12,078
30	753.19	1,707,499	-6,337	18,735	26	0	1	136	0	18,898	0	12,561
Total			30,692	215,709	595	0	6	3,777	0	220,087	0	250,779

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal

Daily Operation

Capacity: 25,120 ac-ft (in acre-feet except as noted) **April 2008**

Date	Storage 1/	Storage Change	Inflow: Lake Oroville Releases 2/	Inflow: Kelly Ridge Generation	Inflow: Thermalito Pumping-Generating Plant Pumpback	Outflow: Thermalito Pumping-Generating Plant Generation 3/	Outflow: Butte County Cal Water	Outflow: Thermalito Irrigation District	Outflow: Releases To River 4/	Outflow: Hyatt Powerplant Pumpback	Losses (-) And Gains (+)
Mar 31	23,343										
1	23,386	43	1,025	449	0	92	1	0	1,319	0	-19
2	22,670	-716	6,037	303	0	5,758	1	0	1,311	0	14
3	24,097	1,427	4,387	178	0	1,836	1	0	1,321	0	20
4	24,444	347	2,718	31	0	1,236	1	0	1,333	0	168
5	23,973	-471	1,634	97	0	888	1	0	1,335	0	22
6	24,031	58	1,366	104	0	75	1	0	1,333	0	-3
7	24,539	508	1,767	97	0	73	1	0	1,331	0	49
8	24,945	406	4,069	135	0	2,668	1	0	1,323	0	194
9	23,960	-985	7,539	99	0	7,336	1	0	1,335	0	49
10	23,844	-116	10,636	167	0	9,878	2	0	1,337	0	298
11	23,998	154	7,512	103	0	6,293	2	0	1,341	0	175
12	23,935	-63	6,548	276	0	5,676	2	0	1,335	0	126
13	23,561	-374	5,866	162	0	5,158	2	0	1,335	0	93
14	24,516	955	6,108	115	0	3,097	2	1	1,317	0	-851
15	24,126	-390	6,316	117	0	4,699	2	1	1,301	0	-820
16	24,071	-55	8,465	126	0	7,366	2	1	1,303	0	26
17	23,457	-614	9,775	99	0	9,322	2	1	1,317	0	154
18	22,993	-464	8,862	115	0	8,318	2	1	1,339	0	219
19	23,177	184	9,358	126	0	8,030	2	1	1,337	0	70
20	23,543	366	9,898	151	0	8,610	2	1	1,335	0	265
21	23,617	74	13,332	106	0	12,274	2	1	1,321	0	234
22	23,749	132	16,132	100	0	15,102	2	1	1,327	0	332
23	23,056	-693	5,782	94	0	5,404	2	1	1,319	0	157
24	21,925	-1,131	6,333	260	0	6,560	2	1	1,315	0	154
25	23,965	2,040	5,176	386	0	2,240	2	1	1,311	0	32
26	24,498	533	5,449	466	0	4,228	2	1	1,313	0	162
27	23,702	-796	3,036	467	0	3,072	2	1	1,323	0	99
28	24,407	705	10,631	467	0	9,090	2	1	1,317	0	17
29	22,484	-1,923	11,217	287	0	12,166	2	1	1,343	0	85
30	23,272	788	18,735	160	0	17,016	2	1	1,357	0	269
Total		-71	215,709	5,843	0	183,561	51	17	39,784	0	1,790

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow	Outflow						Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Mar 31	132.63	41,446										
1	132.44	40,738	-708	92	0	0	0	0	863	0	63	2,182
2	133.74	45,697	4,959	5,758	0	0	0	0	859	0	60	2,170
3	133.97	46,602	905	1,836	0	0	0	0	865	0	-66	2,186
4	134.07	46,997	395	1,236	0	0	0	0	857	0	16	2,190
5	134.08	47,037	40	888	0	0	0	0	853	0	5	2,188
6	133.80	45,932	-1,105	75	0	0	0	0	1,008	0	-172	2,341
7	133.33	44,105	-1,827	73	450	0	0	121	1,252	0	-77	2,583
8	133.28	43,912	-193	2,668	496	0	0	139	2,202	0	-24	3,525
9	133.90	46,326	2,414	7,336	595	0	0	87	4,165	0	-75	5,500
10	134.72	49,599	3,273	9,878	922	0	0	89	5,236	0	-358	6,573
11	134.63	49,235	-364	6,293	1,176	0	0	105	5,236	0	-140	6,577
12	134.34	48,070	-1,165	5,676	1,371	0	0	117	5,236	0	-117	6,571
13	133.88	46,247	-1,823	5,158	1,563	0	0	139	5,236	0	-43	6,571
14	133.00	42,842	-3,405	3,097	1,716	0	190	190	5,236	0	830	6,553
15	132.42	40,664	-2,178	4,699	1,805	0	331	274	5,256	0	789	6,557
16	132.22	39,925	-739	7,366	1,872	0	430	303	5,236	0	-264	6,539
17	132.49	40,924	999	9,322	1,944	0	549	307	5,236	0	-287	6,553
18	132.46	40,812	-112	8,318	2,122	0	589	365	5,236	0	-118	6,575
19	132.29	40,183	-629	8,030	2,261	0	600	551	4,998	0	-249	6,335
20	132.31	40,257	74	8,610	2,281	0	686	710	4,503	0	-356	5,838
21	133.29	43,951	3,694	12,274	2,479	0	696	877	4,007	0	-521	5,328
22	135.02	50,821	6,870	15,102	2,698	0	664	1,063	3,749	0	-58	5,076
23	134.24	47,671	-3,150	5,404	2,777	0	603	1,135	3,769	0	-270	5,088
24	133.81	45,972	-1,699	6,560	2,916	0	579	1,137	3,570	0	-57	4,885
25	132.22	39,925	-6,047	2,240	3,055	0	607	1,190	3,233	0	-202	4,544
26	131.09	35,870	-4,055	4,228	3,174	26	619	1,305	2,955	0	-204	4,268
27	129.64	30,966	-4,904	3,072	3,213	40	617	1,310	2,757	0	-39	4,080
28	129.90	31,820	854	9,090	3,310	46	645	1,320	2,559	0	-356	3,876
29	131.08	35,835	4,015	12,166	3,352	48	676	1,396	2,360	0	-319	3,703
30	133.47	44,646	8,811	17,016	3,412	48	629	1,540	2,162	0	-414	3,519
Total			3,200	183,561	50,960	208	9,710	15,770	100,690	0	-3,023	140,474

1/ Includes Bypass flows at Thermalito.

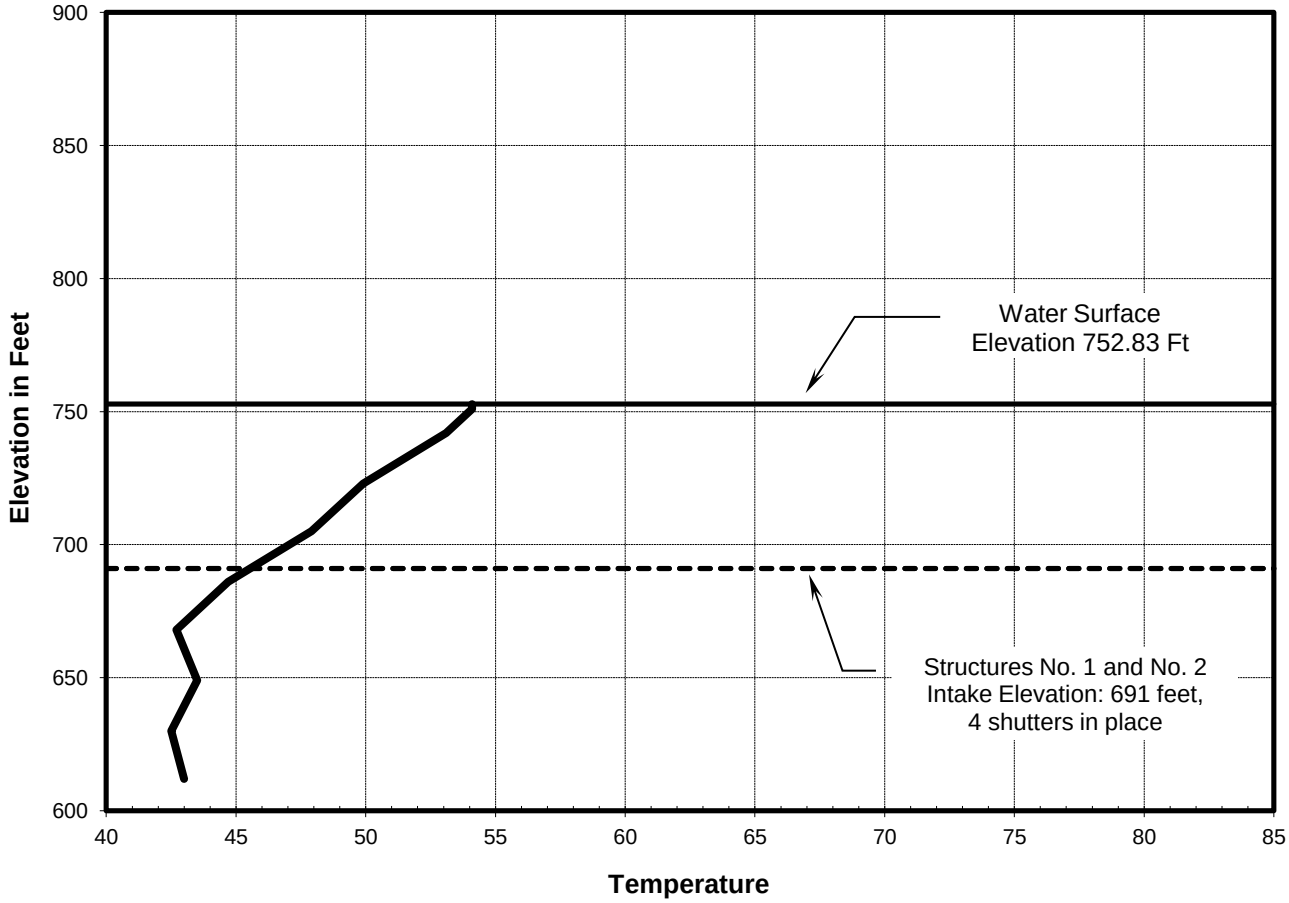
2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

Water Temperature Data
(in degrees Fahrenheit)
April 2008

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	57	49
2	58	47
3	58	48
4	57	48
5	57	49
6	57	49
7	58	49
8	58	49
9	59	49
10	60	49
11	60	49
12	60	50
13	60	49
14	60	49
15	59	49
16	58	50
17	58	49
18	59	51
19	58	51
20	57	50
21	56	50
22	55	50
23	55	49
24	56	49
25	56	50
26	59	50
27	60	51
28	61	51
29	60	50
30	59	51

Lake Oroville Temperature Profile on April 23, 2008



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2008

Reach No.	Operating Pool Beginning and Ending No.	Operating Pool Beginning and Ending Structure	Operating Pool Beginning and Ending Mile	Turnout	Total Diversions	Deliveries Table A	Deliveries Article 56C	Deliveries Article 21	Deliveries Permit	Deliveries Settle-ment
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	4,142	138			10	
		Travis Surge Tank	8.78							
			8.80	Solano County Water Agency Travis AFB	138					
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	237		237			
				Solano County Water Agency Fairfield / Vacaville 42"	1,010		196			814
2			17.00	Solano County Water Agency Central Solano	Stub					
3A		Cordelia Forebay	21.23			520				
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,678					
	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	530					
				Solano County Water Agency Benicia	1,064		745			319
3B		Cordelia Surge Tank	23.33							
		Creston Surge Tank Connection	25.65							
			26.95	Napa County Flood Control & WCD American Canyon 2	5			5		
			27.27	Napa County Flood Control & WCD American Canyon 3	0					
		Napa Terminal Tank	27.58	City of Napa	823		823			
			27.60	Napa County Flood Control & WCD American Canyon 1	256		59	197		

Table 9. Delta Field Division Plant Data

(in acre-feet) **April 2008**

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	14	13	2,776	2,776	44	0	0	140
2	12	15	3,777	3,777	105	0	0	85
3	27	14	5,094	5,094	227	0	0	14
4	74	38	5,592	5,592	217	0	0	0
5	92	41	5,179	5,179	244	0	0	0
6	112	50	3,748	3,748	228	0	0	0
7	107	44	3,944	3,944	253	0	0	0
8	110	50	3,261	3,261	228	0	0	0
9	108	71	2,216	2,216	242	0	0	8
10	123	80	2,833	2,833	213	0	0	12
11	135	92	1,888	1,888	255	0	0	10
12	153	109	968	968	273	0	0	0
13	147	106	968	968	292	0	0	0
14	162	115	1,514	1,514	288	0	0	0
15	167	111	1,997	1,997	246	0	0	10
16	173	118	1,960	1,960	259	0	0	12
17	214	131	2,669	2,669	277	0	0	4
18	218	120	6,035	6,035	278	0	0	0
19	167	110	90	90	271	0	0	0
20	152	104	1,810	1,810	278	0	0	0
21	168	119	1,840	1,840	280	0	0	0
22	192	128	1,379	1,379	322	51	0	0
23	167	109	1,321	1,321	357	105	0	0
24	163	110	891	891	0	105	0	0
25	165	114	1,500	1,500	370	105	0	0
26	156	112	2,529	2,529	391	105	0	0
27	161	116	1,278	1,278	390	105	0	0
28	168	113	1,271	1,271	407	96	0	0
29	185	128	1,269	1,269	407	105	0	0
30	150	97	1,269	1,269	407	105	0	0
Total	4,142	2,678	72,866	72,866	8,049	883	0	295

Table 10. Clifton Court Forebay

Daily Operation of Gates

April 2008

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	10:00	13:30	20:15	22:50					3,959
2	0:01	1:45	10:45	14:30					4,936
3	1:00	2:30	11:15	15:30	22:15				4,932
4		3:00	11:30	16:15	23:15				5,443
5		3:30	12:00	17:00					4,877
6	0:01	4:00	12:15	14:00					3,813
7	1:00	5:10							3,944
8	1:45	5:05							3,160
9	2:45	5:25							2,955
10	4:00	7:30	14:30	15:50					2,467
11	5:15	12:20	16:19	16:42					1,979
12	6:30	9:30							965
13	7:45	10:05							984
14	9:20	10:30	19:30	22:00					1,978
15	0:01	1:00	9:45	11:55					1,951
16	0:01	1:45	10:15	11:54	13:40	14:45			2,920
17	0:01	2:30	11:00	14:51					2,949
18	11:30	14:35							2,973
19	0:01	1:45							1,979
20	0:15	5:00							1,952
21	1:00	3:55							1,975
22	2:00	4:05							1,369
23	2:45	4:55	13:30	13:40					1,362
24	3:30	5:40							1,356
25	4:30	6:25	15:15	17:15					1,360
26	5:45	7:55							1,370
27	6:45	9:15	15:45	17:50					1,378
28	7:45	10:30	16:45	21:20					1,374
29	8:30	12:00	18:00	23:50					1,381
30	9:15	13:00	20:00						1,373
								Total inflow for the month in AF:	75,414

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	General Conveyance	Local Other
1A			1.83	Byron-Bethany I.D.	3,545				3,545
1		Banks Pumping Plant	3.32		72,866				
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aqueduct)	8,049				
		Check No. 1	5.95						
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0				
	2	Check No. 2	12.01						
	3		12.47	Musco Olive	33		33		
		Check No. 3	18.29						
	4		22.16	Tracy Golf & Country Club	0				
		Check No. 4	23.99						
	5	Check No. 5	29.73						
	6	Check No. 6	34.24						
	7		35.22	Turlock Fruit Company Inflow	0				
		Check No. 7	39.91						
	8		42.46	Oak Flat Water District-A	45	45			
			42.9	Western Hills WD	81			81	
			43.81	Oak Flat Water District-B	120	120			
			44.64	Oak Flat Water District-C	104	104			
		Check No. 8	45.97						
	9		46.18	Oak Flat Water District-D	144	144			
2B				Oak Flat Totals:	413	413	0	0	0
		Check No. 9	51.3						
	10	Check No. 10	56.86						
	11	Check No. 11	61.4						
	12		66.14	Veteran's Cemetery	20		20		
		Check No. 12	66.71		62,458				

Table 12. South Bay Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2008

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	Article 56C	Local	Recreation
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	8,049				
			3.17	Granite - Vasco Rd. (Temp.)	0				
			3.18	Oakland Scavenger Zone 7	2		2		
		Check No. 1	3.91						
	2	Check No. 2	5.21						
	3		7.15	Zone 7 Water Agency Altamont	16		16		
2		Check No. 3	9.49	Zone 7 Water Agency Patterson					
				Storage Exchange	0				
				Project Water	1,240		1,240		
4	4	Check No. 4	10.68						
	5	Check No. 5	12.29						
	6		13.55	Zone 7 Water Agency Wente #1	84		84		
			14.16	Zone 7 Water Agency Wente #2	21		21		
			14.31	Zone 7 Water Agency Ising	10		10		
		Check No. 6	14.65						
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	0				
		Check No. 7	16.38						
	8		16.57	Zone 7 Water Agency Wente #3	0				
			16.63	Zone 7 Water Agency Wente #4	19		19		
			16.69	Zone 7 Water Agency Norman Nursery	0				
			16.70	Zone 7 Water Agency Concannon Project Water	26		26		
5		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	883				
				Pumped into South Bay Aqueduct	0				
				Gravity into South Bay Aqueduct	295				
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2					
				Storage Exchange	0				
				Project Water	0				
				Inflow Exchange	0				
				Inflow Release	113			113	
				East Bay Regional Park Dist. Del Valle Recreation	15				15
				Zone 7 Water Agency Wente #5	59		59		
6			19.20	Zone 7 Water Agency So. Livermore Project	0				
				Inflow Released	0				
				Project Water	2,539		2,539		
			19.21	Zone 7 Water Agency Kalthrof Detjens	96		96		
7		La Costa Tunnel	22.50	ACWD Vallecitos Project Water	0				
			25.97	City of San Francisco San Antonio	0				
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Inflow Release	0				
				Storage Released	0				
				Project Water	1,585		1,585		
9		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	1,641		1,641		

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft (in acre-feet except as noted) **April 2008**

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Mar 31	703.93	40,576									
1	703.71	40,419	-157	-6	0	0	140	1	10	151	0.00
2	703.59	40,333	-86	6	0	0	85	1	5	91	0.00
3	703.58	40,326	-7	13	0	0	14	1	5	20	0.00
4	703.58	40,326	0	9	0	0	0	1	8	9	0.00
5	703.61	40,347	21	31	0	0	0	1	9	10	0.00
6	703.62	40,354	7	13	0	0	0	1	5	6	0.00
7	703.63	40,361	7	16	0	0	0	1	8	9	0.00
8	703.64	40,369	7	16	0	0	0	1	8	9	0.00
9	703.63	40,361	-7	8	0	0	8	1	6	15	0.00
10	703.62	40,354	-7	11	0	0	12	1	5	18	0.00
11	703.62	40,354	0	21	0	0	10	1	10	21	0.00
12	703.62	40,354	0	9	0	0	0	1	8	9	0.00
13	703.61	40,347	-7	7	0	0	0	1	13	14	0.00
14	703.61	40,347	0	12	0	0	0	1	11	12	0.00
15	703.61	40,347	0	19	0	0	10	1	8	19	0.00
16	703.59	40,333	-14	6	0	0	12	0	8	20	0.00
17	703.58	40,326	-7	8	0	0	4	0	11	15	0.00
18	703.59	40,333	7	17	0	0	0	0	10	10	0.00
19	703.57	40,319	-14	-5	0	0	0	0	10	10	0.00
20	703.56	40,312	-7	2	0	0	0	0	9	9	0.00
21	703.56	40,312	0	6	0	0	0	0	6	6	0.00
22	703.63	40,361	50	7	51	0	0	0	9	9	0.00
23	703.78	40,468	107	7	105	0	0	0	5	5	0.06
24	703.92	40,568	100	2	105	0	0	0	7	7	0.00
25	704.06	40,669	100	4	105	0	0	0	9	9	0.00
26	704.20	40,769	100	4	105	0	0	0	9	9	0.00
27	704.33	40,862	93	-1	105	0	0	0	11	11	0.00
28	704.45	40,948	86	3	96	0	0	0	13	13	0.00
29	704.57	41,035	86	-9	105	0	0	0	10	10	0.00
30	704.69	41,121	86	-11	105	0	0	0	8	8	0.00
Total			545	226	883	0	295	15	253	563	0.06

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

April 2008

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

Capacity 56,430 ac-ft

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/	
Mar 31	219.38	41,554										
1	220.25	43,801	2,247	0	0	3,780	1,182	213	0	3,353	14	-249
2	221.01	45,787	1,986	0	0	3,300	2,143	430	0	3,797	13	-202
3	221.94	48,229	2,442	0	294	2,632	2,372	249	0	3,717	13	-88
4	222.95	50,913	2,684	0	734	1,633	2,666	0	0	3,564	13	-103
5	222.07	48,571	-2,342	0	601	163	2,292	0	663	3,580	13	19
6	221.56	47,230	-1,341	0	440	0	1,975	0	0	3,123	13	45
7	221.47	46,994	-236	0	571	0	1,971	0	0	2,614	13	-34
8	220.56	44,609	-2,385	0	634	0	1,532	0	0	3,311	13	-44
9	219.95	43,023	-1,586	0	477	1,478	913	0	0	3,588	14	-66
10	220.15	43,541	518	0	125	2,718	1,294	376	0	3,423	10	-67
11	218.46	39,221	-4,320	0	0	2,224	993	760	0	4,705	10	80
12	218.26	38,719	-502	0	0	3,958	450	764	0	3,919	10	32
13	219.07	40,762	2,043	0	0	4,980	392	749	0	3,861	10	278
14	219.76	42,531	1,769	0	0	5,041	219	739	0	3,221	10	-398
15	220.02	43,204	673	0	0	4,223	663	900	0	3,828	10	191
16	219.05	40,711	-2,493	0	0	2,198	992	1,074	0	3,159	10	-204
17	217.61	37,111	-3,600	0	0	1,960	1,076	1,157	0	3,973	14	293
18	217.60	37,087	-24	0	0	3,756	2,458	1,230	0	4,716	14	-266
19	217.96	37,973	886	0	0	6,415	25	1,343	0	4,664	14	28
20	217.71	37,356	-617	0	0	4,460	708	1,285	0	4,199	14	19
21	219.84	42,738	5,382	0	0	6,918	1,027	1,121	0	4,352	14	255
22	219.60	42,119	-619	0	0	4,973	756	1,013	0	4,955	14	-59
23	219.44	41,708	-411	0	0	5,123	380	1,023	0	4,589	13	-85
24	219.02	40,635	-1,073	0	0	4,795	158	904	0	4,618	14	42
25	219.18	41,042	407	0	0	5,421	350	891	0	4,711	14	50
26	220.19	43,645	2,603	0	0	5,372	768	939	0	3,929	14	54
27	220.09	43,386	-259	0	0	5,074	582	829	0	4,744	14	-200
28	221.98	48,334	4,948	0	0	6,071	359	665	0	3,252	14	-4
29	222.99	51,019	2,685	0	0	6,035	543	957	0	4,029	14	-224
30	222.06	48,544	-2,475	0	0	4,552	246	1,440	0	4,308	14	-284
Total			6,990	0	3,876	109,253	31,485	21,051	663	117,802	384	-1,191
Mean cfs			- - -	0	129	3,642	1,050	702	22	3,927	13	-40
Acre-feet			6,990	0	7,688	216,707	62,458	41,758	1,316	233,657	761	-2,371

1/ Pump-in located at Mile 79.67R.

2/ Includes 0 AF delivered to DFG at O'Neill Forebay, 2 AF to Parks & Rec., and 759 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

April 2008

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

Capacity: 2,027,835 ac-ft

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elev. (in feet) 1/	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 2/	Parks and Rec. Del.	
Mar 31	515.66	1,690,949						
1	515.00	1,683,080	-7,869	0	3,780	192	0	5
2	514.43	1,676,295	-6,785	0	3,300	184	0	63
3	513.96	1,670,707	-5,588	0	2,632	184	0	-1
4	513.70	1,667,618	-3,089	0	1,633	205	0	281
5	513.65	1,667,025	-593	663	163	212	0	-587
6	513.61	1,666,550	-475	0	0	208	0	-31
7	513.55	1,665,838	-712	0	0	212	0	-147
8	513.49	1,665,125	-713	0	0	196	0	-163
9	513.20	1,661,685	-3,440	0	1,478	162	0	-94
10	512.72	1,655,995	-5,690	0	2,718	203	0	52
11	512.32	1,651,259	-4,736	0	2,224	235	0	71
12	511.62	1,642,982	-8,277	0	3,958	265	0	50
13	510.74	1,632,597	-10,385	0	4,980	274	0	18
14	509.90	1,622,705	-9,892	0	5,041	257	0	311
15	509.13	1,613,655	-9,050	0	4,223	238	0	-102
16	508.71	1,608,726	-4,929	0	2,198	240	0	-47
17	508.34	1,604,388	-4,338	0	1,960	240	0	13
18	507.70	1,596,895	-7,493	0	3,756	292	0	270
19	506.54	1,583,343	-13,552	0	6,415	265	0	-152
20	505.77	1,574,369	-8,974	0	4,460	254	0	190
21	504.55	1,560,187	-14,182	0	6,918	261	0	29
22	503.67	1,549,984	-10,203	0	4,973	258	0	87
23	502.76	1,539,457	-10,527	0	5,123	256	0	72
24	501.92	1,529,762	-9,695	0	4,795	247	0	154
25	500.95	1,518,593	-11,169	0	5,421	268	0	58
26	500.01	1,507,796	-10,797	0	5,372	280	0	209
27	499.10	1,497,368	-10,428	0	5,074	275	0	92
28	498.00	1,484,796	-12,572	0	6,071	281	0	14
29	497.00	1,473,398	-11,398	0	6,035	266	0	555
30	496.20	1,464,301	-9,097	0	4,552	295	0	261
Total			-226,648	663	109,253	7,205	0	1,531
Mean cfs			- - -	22	3,642	240	0	51
Acre-feet			-226,648	1,316	216,707	14,286	0	3,029

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 12,968 AF, Casa De Fruta 0 AF, and San Benito 1,318 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet) **April 2008**

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	6,650	2,565	7,497	1,937	0	0	381
2	7,532	3,493	6,546	-373	0	0	364
3	7,372	3,301	5,221	-359	0	0	364
4	7,069	4,545	3,240	-304	0	0	406
5	7,101	4,570	324	-39	1,316	1,316	421
6	6,194	3,740	0	0	0	0	412
7	5,184	2,616	0	0	0	0	420
8	6,568	4,020	0	0	0	0	389
9	7,117	4,611	2,931	-232	0	0	321
10	6,789	4,297	5,391	-321	0	0	403
11	9,333	6,749	4,411	-138	0	0	466
12	7,774	5,235	7,851	7,851	0	0	526
13	7,658	5,157	9,878	4,771	0	0	543
14	6,388	3,898	9,999	4,830	0	0	510
15	7,592	5,060	8,377	4,934	0	0	472
16	6,265	3,138	4,360	918	0	0	476
17	7,880	4,645	3,888	-265	0	0	476
18	9,354	6,099	7,451	1,543	0	0	580
19	9,252	5,999	12,725	6,887	0	0	526
20	8,328	5,166	8,847	2,844	0	0	503
21	8,632	5,358	13,721	5,688	0	0	518
22	9,828	6,564	9,863	3,864	0	0	511
23	9,102	5,031	10,162	3,461	0	0	507
24	9,160	5,069	9,511	3,137	0	0	489
25	9,345	5,273	10,752	4,856	0	0	532
26	7,793	3,729	10,655	4,617	0	0	555
27	9,410	5,308	10,065	4,075	0	0	545
28	6,451	2,474	12,041	5,977	0	0	557
29	7,991	3,207	11,971	6,050	0	0	527
30	8,545	3,740	9,029	2,917	0	0	586
Total	233,657	134,657	216,707	79,126	1,316	1,316	14,286

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

April 2008

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

Capacity 34,560 ac-ft

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	327.59	20,477					
1	327.59	20,477	0	0	0	0	0
2	327.59	20,477	0	0	0	0	0
3	327.59	20,477	0	0	0	0	0
4	327.59	20,477	0	0	0	0	0
5	327.57	20,468	-9	0	0	0	-9
6	327.56	20,463	-5	0	0	0	-5
7	327.55	20,458	-5	0	0	0	-5
8	327.53	20,449	-9	0	0	0	-9
9	327.53	20,449	0	0	0	0	0
10	327.53	20,449	0	0	0	0	0
11	327.52	20,444	-5	0	0	0	-5
12	327.52	20,444	0	0	0	0	0
13	327.52	20,444	0	0	0	0	0
14	327.48	20,426	-18	0	0	0	-18
15	327.46	20,416	-10	0	0	0	-10
16	327.45	20,412	-4	0	0	0	-4
17	327.46	20,416	4	2	0	0	0
18	327.44	20,407	-9	0	0	0	-9
19	327.38	20,379	-28	0	0	0	-28
20	327.37	20,374	-5	0	0	0	-5
21	327.37	20,374	0	0	0	0	0
22	327.37	20,374	0	0	0	0	0
23	327.35	20,365	-9	0	0	0	-9
24	327.34	20,360	-5	0	0	0	-5
25	327.35	20,365	5	3	0	0	-1
26	327.34	20,360	-5	0	0	0	-5
27	327.34	20,360	0	0	0	0	0
28	327.32	20,351	-9	0	0	0	-9
29	327.27	20,328	-23	0	0	0	-23
30	327.25	20,318	-10	0	0	0	-10
Total			-159	5	0	0	-169
Mean cfs			- - -	0	0	0	- - -
Acre-feet			-159	10	0	0	-169

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

April 2008

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

Capacity: 5,580 ac-ft

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	602.60	826					
1	602.60	826	0	1	0	1	0
2	602.60	826	0	1	0	1	0
3	602.60	826	0	1	0	1	0
4	602.60	826	0	1	0	1	0
5	602.60	826	0	1	0	1	0
6	602.60	826	0	1	0	1	0
7	602.60	826	0	1	0	1	0
8	602.60	826	0	1	0	1	0
9	602.60	826	0	1	0	1	0
10	602.60	826	0	1	0	1	0
11	602.60	826	0	1	0	1	0
12	602.60	826	0	1	0	1	0
13	602.60	826	0	1	0	1	0
14	602.60	826	0	1	0	1	0
15	602.58	825	-1	0	0	1	0
16	602.58	825	0	1	0	1	0
17	602.58	825	0	1	0	1	0
18	602.58	825	0	1	0	1	0
19	602.58	825	0	1	0	1	0
20	602.58	825	0	1	0	1	0
21	602.58	825	0	1	0	1	0
22	602.55	823	-2	0	0	0	-2
23	602.55	823	0	0	0	0	0
24	602.55	823	0	0	0	0	0
25	602.55	823	0	0	0	0	0
26	602.55	823	0	0	0	0	0
27	602.55	823	0	0	0	0	0
28	602.55	823	0	0	0	0	0
29	602.55	823	0	0	0	0	0
30	602.55	823	0	0	0	0	0
Total			-3	20	0	20	-2
Mean cfs			- - -	1	0	1	- - -
Acre-feet			-3	39	0	40	-2

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries USBR	Transfer	DWR Recreation	USBR Recreation
2B	12	Check No. 12	66.71		62,458				
3A		San Luis Reservoir		Department of Parks and Recreation	0				
				San Felipe Division Santa Clara Water District	12,968	12,968			
				Casa de Fruita Santa Clara Water District	0				
				San Felipe Division San Benito Water District	1,318	1,318			
				Reach 3A Subtotal:	14,286	14,286	0	0	0
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	2			1	1
				Cattle Program	0				
				Department of Fish & Game	0				
			70.91 Thru 85.08	San Luis Water District	759	759			
				(Floodwater Inflow)	0				
				Reach 3 Subtotal:	761	759	0	1	1
		Dos Amigos Pumping Plant	86.73		233,657				
4	14		89.03 Thru 94.06	San Luis Water District	6,431	6,431			
			89.66 Thru 89.67	Pacheco Water District	1,495	1,495			
			89.68	Panoche Water District	49	49			
			89.70	City of Dos Palos	124	124			
		Check No. 14	95.06						
	15		98.15 Thru 104.20	San Luis Water District	719	719			
			96.15 Thru 102.64	Panoche Water District	4,822	4,822			
				(Floodwater Inflow)	0				
			102.64	Broadview Water District	0				
			105.22 Thru 108.64	Westlands Water District	7,740	7,740			
		Check No.15	108.50						
				Reach 4 Subtotal:	21,380	21,380	0	0	0
				San Felipe Division Total:	14,286	14,286	0	0	0
				Pacheco Water District Total:	1,495	1,495	0	0	0
				Broadview Water District Total:	0	0	0	0	0
				City of Dos Palos Total:	124	124	0	0	0
				SLWD Reach 4 Subtotal:	7,150	7,150	0	0	0
				Panoche Water District Total:	4,871	4,871	0	0	0
				SLWD Total:	7,909	7,909	0	0	0
				Westlands WD Reach 4 Subtotal:	7,740	7,740	0	0	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet) **April 2008**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries			
		Beginning and Ending							
	No.	Structure	Mile			USBR	Transfer	DWR Recreation	USBR Recreation
5	16			(Reverse flow, Kings River)	0				
			110.52	Westlands Water District	12,471	12,471			
			Thru	Dept. of Fish and Game @ Lat. 4L	28			15	13
			122.05	Dept. of Fish and Game @ Lat. 6L	0				
				Dept. of Fish and Game @ Lat. 7L	0				
		Check No. 16	122.07						
	17		124.18 Thru 132.74	Westlands Water District	8,646	8,646			
		Check No. 17	132.95						
	18		133.81 Thru 142.61	Westlands Water District	9,535	9,535			
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	10,832	10,832			
			143.16	City of Coalinga	537	537			
		Check No. 18	143.23						
				Reach 5 Subtotal:	42,049	42,021	0	15	13
6	19		145.26 Thru 151.19	GWF Energy	0				
				City of Huron	89	89			
				DWR Water Truck @ 22R	0				
				Kings County to Lemoore NAS Through WWD	242		1/ 242		
				Kings County through WWD 30L	0				
				Westlands Water District	15,977	15,977			
		Check No. 19	155.64						
				Reach 6 Subtotal:	16,308	16,066	242	0	0
7	20		156.34	City of Huron	124	124			
			156.40	SWP Construction @ Lat. 24R	0				
			Thru 163.69	Westlands Water District	7,758	7,758			
		Check No. 20	164.69						
	21		164.79	City of Avenal	202	202			
			167.04 Thru 171.67	Westlands Water District	3,788	3,788			
		Check No. 21	172.40		138,706				
				Reach 7 Total:	11,872	11,872	0	0	0
				SWP Construction Total:	0	0	0	0	0
				Westlands WD Total:	76,747	76,747	0	0	0
				City of Coalinga Total:	537	537	0	0	0
				City of Huron Total:	213	213	0	0	0
				Kings County to Lemoore NAS Through WWD	242	0	242	0	0
				City of Avenal Total:	202	202	0	0	0
				Total San Luis Field Division Deliveries:	106,656	106,384	242	17	14

1/ Long-term POD from County of Kings to Lemoore Naval Air Base

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

April 2008

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Mar 31	27,780								
1	27,544	-236	0	3,353	130	67	1,189	2,271	185
2	27,903	359	0	3,797	130	68	1,188	2,163	-67
3	27,744	-159	0	3,717	130	85	1,168	2,333	-81
4	27,760	16	0	3,564	130	85	1,168	2,065	-108
5	28,039	279	0	3,580	130	85	1,168	2,030	-27
6	28,637	598	0	3,123	130	85	1,168	1,712	273
7	28,226	-411	0	2,614	130	85	1,168	1,581	142
8	28,194	-32	0	3,311	130	85	1,168	1,813	-131
9	27,752	-442	0	3,588	130	86	1,168	2,204	-223
10	27,215	-537	0	3,423	146	85	1,301	2,001	-161
11	28,482	1,267	0	4,705	146	85	1,301	2,113	-421
12	28,587	105	0	3,919	146	85	1,301	2,193	-141
13	28,780	193	0	3,861	146	85	1,301	2,429	197
14	28,240	-540	0	3,221	146	85	1,301	2,217	256
15	28,257	17	0	3,828	146	85	1,301	2,327	39
16	27,757	-500	0	3,159	145	86	1,301	1,918	39
17	27,839	82	0	3,973	148	90	1,375	1,987	-331
18	28,007	168	0	4,716	148	90	1,380	2,712	-301
19	28,765	758	0	4,664	148	90	1,384	2,483	-177
20	28,431	-334	0	4,199	148	90	1,384	2,871	126
21	28,239	-192	0	4,352	157	90	1,384	2,783	-35
22	28,386	147	0	4,955	157	90	1,384	3,022	-227
23	28,694	308	0	4,589	155	91	1,383	2,611	-194
24	28,844	150	0	4,618	167	71	1,425	2,604	-275
25	29,305	461	0	4,711	167	71	1,425	2,598	-218
26	28,592	-713	0	3,929	167	71	1,425	2,623	-2
27	29,476	884	0	4,744	167	71	1,425	2,974	338
28	28,685	-791	0	3,252	167	71	1,425	2,369	381
29	28,599	-86	0	4,029	167	71	1,425	2,453	43
30	29,258	659	0	4,308	167	72	1,425	2,471	160
Total		1,478	0	117,802	4,421	2,456	39,309	69,930	-941
Mean cfs		- - -	0	3,927	147	82	1,310	2,331	-31
Acre-feet		1,478	0	233,657	8,769	4,871	77,969	138,706	-1,863

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 1,495 AF to Pacheco W.D., 124 AF to the City of Dos Palos and 7,150 AF to San Luis Water District.

3/ Includes 124 AF to the City of Huron, 202 AF to the City of Avenal, 537 AF to the City of Coalinga, 89 AF to City of Huron P&R @ 22R, 242 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 4L, 28 AF to DFG @ 4L, 0 AF to Pilobos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to DWR Water Truck @ 22R, 0 AF DFG @ 7L, 0 AF Non-Project Water, 65,915 AF to Westlands Water District and 10,832 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

April 2008

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	148	150	47	43	48	4,630	4,377	4,192	4,058
2	301	237	50	46	51	4,491	4,379	4,136	4,029
3	163	159	50	46	50	4,667	4,518	4,247	4,027
4	201	210	49	45	51	4,637	4,418	4,196	4,030
5	231	211	59	53	61	4,347	4,252	4,111	4,029
6	199	180	43	40	46	3,721	3,813	3,746	3,583
7	147	134	42	39	42	3,558	3,695	3,491	3,403
8	187	166	55	51	56	4,367	3,952	3,804	3,580
9	200	176	53	48	56	4,479	4,261	4,112	4,005
10	190	175	58	53	59	4,423	4,350	4,159	4,031
11	227	221	58	53	59	4,705	4,323	4,196	4,029
12	306	290	70	64	72	4,271	4,243	4,094	4,029
13	281	253	53	49	54	4,953	5,077	5,007	4,853
14	240	228	52	48	52	4,531	4,351	4,040	3,927
15	285	276	69	60	67	4,674	4,292	4,045	3,991
16	266	247	40	39	43	4,015	3,654	3,387	3,282
17	251	234	62	59	62	3,951	3,759	3,561	3,290
18	312	277	44	41	45	4,452	3,849	3,567	3,642
19	548	493	74	67	76	4,343	4,399	4,079	4,023
20	238	202	57	52	61	6,013	6,190	5,838	5,785
21	249	236	43	40	45	5,273	5,357	4,985	4,891
22	422	346	67	60	68	5,741	5,061	4,635	4,512
23	472	385	55	51	55	4,631	4,515	4,211	4,125
24	302	260	64	58	64	4,795	4,812	4,447	4,458
25	278	273	50	45	51	4,879	4,903	4,536	4,467
26	301	275	51	47	53	4,720	4,780	4,447	4,467
27	211	234	54	50	56	5,558	5,673	5,425	5,342
28	142	156	66	62	68	4,788	4,727	4,399	4,458
29	179	149	62	58	63	5,129	4,930	4,344	4,488
30	200	192	62	57	63	5,087	4,707	4,440	4,394
Total	7,677	7,025	1,659	1,524	1,697	139,828	135,617	127,877	125,228

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

April 2008

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	Article 56C	Article 12E	Recovery
7	21	Check No. 21	172.40		138,706					
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	0					
				County of Kings TL - A	0					
				Tulare Lake Basin WSD TL-A	1,707	1,707				
8D			175.18	Dudley Ridge WD - 1	240					1/ 240
			177.54	Dudley Ridge WD - 1B	275					1/ 275
			180.64	Tulare Lake Basin WSD - C	0					
			180.65	Dudley Ridge WD - 1A	3					1/ 3
			182.99	Dudley Ridge WD - 2	925			38		1/ 887
			183.00	Tulare Lake Basin WSD TL - B	291	291				
				County of Kings TL-B	0					
			184.00	Dudley Ridge WD - Paramount	2					1/ 2
31A			184.63	Coastal Branch	7,677					
8D			184.78	Dudley Ridge WD - 3	847					1/ 847
				Dudley Ridge Reach 8D Total:	2,292	0	0	38	0	2,254
				Tulare Lake Basin WSD Total:	1,998	1,998	0	0	0	0
		Check No. 22	184.82							
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	3,136					2/ 3,136
			191.18	Kern County Water Agency Lost Hills Water Dist. - 2	462					2/ 462
			194.22	Kern County Water Agency Lost Hills Water Dist. - 3	96					2/ 96
			196.40	Kern County Water Agency Berrenda Mesa - 2	86					2/ 86
			196.75	Kern County Water Agency Lost Hills Water Dist. - 4	617					2/ 617
				KCWA Reach 9 Subtotal:	4,397	0	0	0	0	4,397
		Check No. 23	197.05							
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	726					2/ 726
			202.05	Kern County Water Agency Lost Hills Water Dist. - 5	944					2/ 944
			204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0					
			205.26	Kern County Water Agency Lost Hills Water Dist. - 8	4					2/ 4
		Check No. 24	207.94							
	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	1,745					2/ 1,745
			209.78	Kern National Wildlife Refuge USBR BV-1B	0					
				Kern County Water Agency Buena Vista WSD 1B	180					2/ 180
			209.80	KCWA Semitropic WSD	151					2/ 151
				KCWA Semitropic WSD Penstocks	0					
				USBR Total:	0	0	0	0	0	0
				KCWA Reach 10A Subtotal:	3,750	0	0	0	0	3,750

1/ Kern Water Bank Recovery

2/ Recovery of same contractor's pump-in.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	Article 56C	Article 12E	Recovery
11B	25		210.75	Kern County Water Agency Belridge - 2	0					
			214.11	Kern County Water Agency Belridge - 3	97					1/ 97
			216.62	Kern County Water Agency Belridge - 4	0					
			217.13	Kern County Water Agency Belridge - 5A-C	8,094					2/ 8,094
				Kern County Water Agency Belridge - 5D	140					3/ 140
		Check No. 25	217.79							
				KCWA Reach 11B Subtotal:	8,331	0	0	0	0	8,331
12D	26		219.58	Kern County Water Agency Belridge - 6	0					
				Kern County Water Agency West Kern - 3	414					3/ 414
		Check No. 26	224.92							
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0					
		Check No. 27	231.73							
	28		235.75	Kern County Water Agency Buena Vista - 2	0					
			238.04	Kern County WA CVC	0					
				Dudley Ridge WD CVC	0					
				Tulare Co.	0					
				Lower Tule River	0					
				Fresno Co.	0					
				Pixley ID	0					
				Hacienda DWR Wells	0					
		Check No. 28	238.11							
				4/ Arvin Edison Total:	0	0	0	0	0	0
				Reach 12E Subtotal:	0	0	0	0	0	0
13B	29		238.19	Kern Water Bank Inflow	0					
				Kern Water Bank Outflow	0					
			241.02	Kern River Intertie (inflow)	0					
			242.85	KCWA Buena Vista WSD - 7	0					
				KCWA Buena Vista WSD - 5	0					
			243.09	Kern County Water Agency Buena Vista - 3	0					
		Check No. 29	244.54							
	30		249.85	Kern County Water Agency Buena Vista - 4	0					
		Buena Vista Pumping Plant	250.99		139,828					
				KCWA Reach 13B Subtotal:	0	0	0	0	0	0
14A	31		254.47	Kern County Water Agency West Kern - 2	0					
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	157					1/ 157

1/ Recovery of same contractor's pump-in.

2/ Recovery includes 4,031 Af of same contractor pump-in and 4,063 AF of water that was pumped in and stored in O'Neill.

3/ Recovery of water that was pumped in and stored in O'Neill.

4/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	Article 56C	Article 12E	Recovery 1/
14A	31	Check No. 31	256.14							
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	453					453
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,227					1,227
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	1,837	0	0	0	0	1,837
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	3,270					3,270
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	558					558
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	2,205					2,205
		Check No. 34	271.27							
				Reach 14B Total:	6,033	0	0	0	0	6,033
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	2,086					2,086
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	901					901
			277.30	Kern County Water Agency Arvin-Edison WSD	0					
				Reach 14C Total:	2,987	0	0	0	0	2,987
15A		Teerink Pumping Plant	278.13		135,617					
	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	557					557
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	2,477					2,477
				Reach 15A Total:	3,034	0	0	0	0	3,034
16A		Chrisman Pumping Plant	280.36		127,877					
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0					
		Check No. 37	283.95							
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	26					26
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	141					141
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
		Check No. 38	287.09							
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	133					133
		Check No. 39	290.21							
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,133					1,133
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	27					27
				Kern County Water Agency Tehachapi Cummings CWD	743					743
				KCWA Reach 16A Subtotal:	2,203	0	0	0	0	2,203
17E		Edmonston Pumping Plant	293.45		125,228					

1/ Recovery of same contractor's pump-in.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Operating Pool Beginning and Ending Structure	Operating Pool Beginning and Ending Mile	Turnout	Total Diver-sions	Deliveries Table A	Deliveries USBR	Deliveries Article 56C	Deliveries Article 12E	Deliveries Recovery
31A	C-1	Coastal Branch Control	0.02		7,677					
		Las Perillas Pumping Plant	1.16		7,677					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		7,025					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0					
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	493					493
			14.83	Kern County Water Agency Berrenda Mesa - 1	5,299					5,299
				Kern County Water Agency Berrenda Mesa - PO	0					
		Devil's Den Pumping Plant	14.86		1,659					
				KCWA Reach 31A Subtotal:	5,792	0	0	0	0	5,792
				KCWA Total:	38,778	0	0	0	0	38,778
33A	C-7	Bluestone Pumping Plant	19.05		1,524					
	C-8	Polonio Pass Pumping Plant	26.54		1,697					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0					
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,381	1,381				
		Tank Site 2	58.63	Central Coast:	0					
	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	307	307				
34		Energy Dissipater	78.12							
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0					
				CCWA Total:	1,688	1,688	0	0	0	0
35		Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0					
38				SBCFC & WCD Total:	0	0	0	0	0	0
		Tank Site 5	115.42							

1/ Recovery of same contractor pump-in.

Table 24. Southern Field Division Plant Data

(in acre-feet)

April 2008

Date	West Branch						East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Tehachapi Afterbay Bypass		Generation	Leakage	Bypass Flume				
1	2,021	2,155	0	0	318	0	2,063	0	99	2,036	2,153	0	0	2,131	78	78	26
2	2,123	2,148	0	0	129	0	2,089	0	0	1,852	1,813	0	0	1,756	38	38	13
3	2,243	0	0	0	187	0	1,940	0	0	1,827	1,849	0	0	2,118	39	39	14
4	2,345	2,159	0	0	119	0	1,452	0	62	1,471	1,633	0	0	1,439	39	38	14
5	2,951	2,151	0	0	961	0	1,483	0	0	1,295	1,235	0	0	1,363	0	0	0
6	2,154	0	0	0	1,060	0	1,198	0	0	1,022	0	0	0	0	25	25	10
7	1,960	2,089	0	0	3,326	0	1,376	0	0	1,081	1,040	0	0	1,046	38	38	11
8	2,224	2,153	0	0	2,909	0	1,749	0	0	1,473	1,489	0	0	1,468	52	52	13
9	2,146	2,154	0	0	2,826	0	1,884	0	0	1,853	1,885	0	0	1,467	38	38	14
10	2,144	2,156	0	0	3,072	0	1,884	0	0	1,748	1,585	0	0	1,750	52	52	14
11	1,918	2,157	0	0	3,241	0	2,135	0	0	1,599	1,924	0	0	1,797	38	38	14
12	2,143	2,156	0	0	2,244	0	1,932	0	0	2,043	1,898	0	0	1,869	0	0	13
13	3,225	2,149	0	0	1,769	0	1,629	0	0	1,171	1,371	0	0	2,063	26	27	11
14	1,343	670	0	398	2,591	0	2,345	0	0	2,320	2,284	0	0	2,100	52	52	13
15	796	0	0	1,000	620	0	3,094	0	0	2,805	2,842	0	0	2,124	52	52	24
16	869	527	0	1,322	727	0	2,733	0	0	2,782	3,064	0	0	2,307	53	52	28
17	1,920	1,058	0	1,388	1,703	0	1,363	0	0	1,188	1,246	0	0	2,172	38	39	21
18	1,927	1,016	0	1,388	1,682	0	2,059	0	33	2,030	1,999	0	0	1,945	52	52	21
19	2,143	1,019	0	1,388	953	0	1,870	0	0	1,696	1,325	0	0	2,163	0	0	0
20	3,225	1,017	0	1,388	807	0	2,050	0	0	1,492	1,982	0	0	1,602	26	26	17
21	2,885	1,015	0	1,388	2,749	0	1,868	0	0	1,755	1,872	0	0	1,915	52	52	17
22	2,449	1,016	0	1,388	2,574	0	2,236	0	0	1,731	1,588	0	0	1,835	52	52	26
23	1,843	1,018	0	1,126	2,568	0	2,402	0	0	2,158	1,684	0	0	1,458	52	52	26
24	2,141	1,019	0	1,190	2,242	579	1,457	0	781	1,556	1,857	0	0	1,536	52	52	19
25	2,368	1,020	0	1,190	2,385	0	2,125	0	165	1,872	1,310	0	0	1,835	44	44	18
26	2,778	1,018	0	1,190	2,273	0	1,717	0	17	1,404	1,647	0	0	1,612	0	0	0
27	2,849	1,016	0	1,190	1,658	0	1,945	0	33	1,717	1,798	0	0	2,065	25	25	16
28	2,145	1,013	0	1,388	3,032	0	2,565	0	124	2,340	1,941	0	0	1,961	52	52	14
29	2,370	1,017	0	1,388	4,801	952	2,221	0	0	2,411	2,343	0	0	1,969	52	52	24
30	1,702	1,014	0	1,386	2,624	580	2,194	0	0	1,882	1,944	0	0	2,036	52	52	22
Total	65,350	39,100	0	21,096	58,150	2,111	59,058	0	1,314	53,610	52,601	0	0	52,902	1,169	1,169	473

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft (in acre-feet except as noted) **April 2008**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)
				Project			Natural	Project		Natural		
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	To Piru Creek	United Water Agency	
Mar 31	2568.08	157,409										
1	2569.62	159,307	1,898	0	2,155	0	130	318	0	94	0	25
2	2571.44	161,570	2,263	0	2,148	0	122	129	0	95	0	217
3	2573.02	163,551	1,981	0	0	0	117	187	0	95	0	2,146
4	2574.56	165,498	1,947	0	2,159	0	110	119	0	95	0	-108
5	2575.77	167,038	1,540	0	2,151	0	104	961	1	85	0	332
6	2576.54	168,023	985	0	0	0	97	1,060	0	85	0	2,033
7	2575.14	166,235	-1,788	0	2,089	0	90	3,326	0	61	0	-580
8	2574.59	165,536	-699	0	2,153	0	84	2,909	0	50	0	23
9	2573.89	164,649	-887	0	2,154	0	77	2,826	0	50	0	-242
10	2573.00	163,526	-1,123	0	2,156	0	70	3,072	0	50	0	-227
11	2571.84	162,070	-1,456	0	2,157	0	61	3,241	0	50	0	-383
12	2571.97	162,233	163	0	2,156	0	56	2,244	0	50	0	245
13	2572.20	162,521	288	0	2,149	0	51	1,769	0	50	0	-93
14	2570.60	160,523	-1,998	0	670	398	47	2,591	1	50	0	-471
15	2571.00	161,021	498	0	0	1,000	45	620	0	50	0	123
16	2571.55	161,708	687	0	527	1,322	43	727	0	50	0	-428
17	2572.69	163,136	1,428	0	1,058	1,388	74	1,703	0	50	0	661
18	2573.26	163,854	718	0	1,016	1,388	76	1,682	0	50	0	-30
19	2574.49	165,409	1,555	0	1,019	1,388	72	953	0	48	0	77
20	2575.71	166,961	1,552	0	1,017	1,388	72	807	0	44	0	-74
21	2575.18	166,286	-675	0	1,015	1,388	70	2,749	0	38	0	-361
22	2575.03	166,095	-191	0	1,016	1,388	67	2,574	0	36	0	-52
23	2574.53	165,460	-635	0	1,018	1,126	66	2,568	1	36	0	-240
24	2574.59	165,536	76	579	1,019	1,190	63	2,242	0	34	0	-499
25	2574.47	165,384	-152	0	1,020	1,190	63	2,385	0	34	0	-6
26	2574.14	164,966	-418	0	1,018	1,190	60	2,273	0	33	0	-380
27	2574.70	165,676	710	0	1,016	1,190	56	1,658	0	33	0	139
28	2571.75	161,947	-3,729	0	1,013	1,388	56	3,032	0	33	0	-3,121
29	2572.49	162,885	938	952	1,017	1,388	52	4,801	0	33	0	2,363
30	2572.82	163,300	415	580	1,014	1,386	53	2,624	0	33	0	39
Total			5,891	2,111	39,100	21,096	2,204	58,150	3	1,595	0	1,128

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake		
							Natural	Project 1/	
Mar 31	1519.09	22,854							
1	1519.83	23,168	314	318	7	0	7	0	-4
2	1520.11	23,287	119	129	7	0	7	0	-10
3	1520.57	23,484	197	187	6	0	6	0	10
4	1520.94	23,643	159	119	6	0	6	0	40
5	1519.25	22,922	-721	961	6	0	6	1,658	-24
6	1517.29	22,100	-822	1,060	5	0	5	1,873	-9
7	1520.12	23,292	1,192	3,326	5	0	5	2,130	-4
8	1515.30	21,282	-2,010	2,909	5	0	5	4,913	-6
9	1512.20	20,041	-1,241	2,826	5	0	5	4,064	-3
10	1510.41	19,342	-699	3,072	5	0	5	3,765	-6
11	1509.69	19,065	-277	3,241	4	0	4	3,514	-4
12	1511.36	19,711	646	2,244	4	0	4	1,593	-5
13	1515.62	21,413	1,702	1,769	4	0	4	0	-67
14	1521.80	24,013	2,600	2,591	3	0	3	0	9
15	1523.46	24,736	723	620	3	0	3	0	103
16	1520.11	23,287	-1,449	727	3	0	3	2,164	-12
17	1513.18	20,429	-2,858	1,703	3	0	3	4,558	-3
18	1508.08	18,453	-1,976	1,682	2	0	2	3,657	-1
19	1507.30	18,160	-293	953	2	0	2	1,236	-10
20	1509.40	18,954	794	807	3	0	3	0	-13
21	1516.33	21,704	2,750	2,749	3	0	3	0	1
22	1515.45	21,343	-361	2,574	3	0	3	2,931	-4
23	1511.59	19,801	-1,542	2,568	3	0	3	4,107	-3
24	1507.14	18,100	-1,701	2,242	3	579	3	3,361	-3
25	1507.14	18,100	0	2,385	3	0	3	2,553	168
26	1507.03	18,059	-41	2,273	2	0	2	2,121	-193
27	1508.97	18,790	731	1,658	2	0	2	935	8
28	1512.24	20,056	1,266	3,032	2	0	2	1,974	208
29	1512.81	20,282	226	4,801	1	952	1	3,545	-78
30	1508.74	18,703	-1,579	2,624	1	580	1	3,625	2
Total			-4,151	58,150	111	2,111	111	60,277	87

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon	
				Natural	Project				
Mar 31	1489.50	269,625							
1	1488.50	267,619	-2,006	7	0	15	2,009	29	10
2	1487.66	265,939	-1,680	7	0	15	1,764	29	91
3	1486.93	264,485	-1,454	6	0	14	1,465	22	13
4	1486.26	263,154	-1,331	6	0	14	1,299	14	-38
5	1486.45	263,531	377	2	1,658	14	1,361	14	78
6	1486.74	264,107	576	5	1,873	19	1,382	14	75
7	1487.25	265,122	1,015	5	2,130	13	1,328	14	209
8	1488.90	268,420	3,298	5	4,913	14	1,376	14	-244
9	1490.18	270,991	2,571	5	4,064	11	1,479	13	-17
10	1491.33	273,312	2,321	5	3,765	9	1,489	12	43
11	1492.33	275,340	2,028	4	3,514	10	1,478	12	-10
12	1492.42	275,523	183	4	1,593	10	1,592	12	180
13	1491.66	273,980	-1,543	4	0	10	1,499	12	-46
14	1490.90	272,443	-1,537	3	0	10	1,649	12	111
15	1489.97	270,571	-1,872	3	0	10	1,743	12	-130
16	1490.29	271,213	642	3	2,164	10	1,704	12	181
17	1491.65	273,960	2,747	3	4,558	9	1,800	12	-11
18	1492.49	275,665	1,705	2	3,657	10	1,954	12	2
19	1492.14	274,954	-711	2	1,236	11	1,933	12	-15
20	1491.26	273,171	-1,783	3	0	11	1,848	12	63
21	1490.54	271,717	-1,454	3	0	11	1,448	12	-8
22	1491.49	273,636	1,919	3	2,931	11	1,025	12	11
23	1493.13	276,968	3,332	3	4,107	10	754	12	-22
24	1494.67	280,119	3,151	3	3,361	9	947	12	737
25	1495.21	281,229	1,110	3	2,553	8	907	12	-535
26	1495.77	282,382	1,153	3	2,121	6	923	12	-42
27	1495.78	282,403	21	3	935	6	937	10	24
28	1496.33	283,539	1,136	2	1,974	6	1,015	9	178
29	1497.46	285,880	2,341	2	3,545	5	1,107	9	-95
30	1498.73	288,526	2,646	2	3,625	5	848	8	-130
Total			18,901	111	60,277	316	42,063	403	663

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	Recreation	Article 56C	Local	Recov-ery	Transfer
29A	42	Oso Pumping Plant	1.49		65,350						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07	(Does not Include 21,096 AF of flow through Gorman Creek Imp. Channel)	39,100						
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	3		3				
				United WA (T300)	0						
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0						
29J		Castaic Power Plant	25.82	(2,111 AF pumpback) 2/	58,150						
	W4	Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		California State Park Castaic Lake Recreation (T301)	35		35				
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	38,351	37,442				3/ 909	
				Castaic Lake WA 18", 24" & 54" (T303)	1,896						4/ 1,896
				Castaic Lake WA Rio Vista T.P. (T304)	1,627			1,523			4/ 104
				MWD-Ventura Co. WPD (T302)	154	154					
				Releases to Lagoon	403						
				Reach 30 Subtotal:	42,063	37,596	35	1,523	0	909	2,000
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0						
		Castaic Lagoon Outlet	31.87		456						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.
All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

3/ Kern Delta Recovery.

4/ Conveyance of transfer water to Castaic from Buena Vista/Rio Bravo.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/
							Project			Del. To Mojave W.A.	Natural To Mojave River		
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel				
Mar 31	3351.99	72,063											
1	3351.96	72,035	-28	2,153	0	32	5	0	2,131	0	79	2	0
2	3351.93	72,006	-29	1,813	0	30	5	0	1,756	0	66	-45	0
3	3351.63	71,720	-286	1,849	0	29	5	0	2,118	0	50	9	0
4	3351.55	71,644	-76	1,633	0	28	4	1	1,439	0	79	-214	0
5	3351.57	71,663	19	1,235	0	28	4	0	1,363	0	79	202	0
6	3351.63	71,720	57	0	0	27	5	0	0	0	79	114	0
7	3351.48	71,577	-143	1,040	0	26	5	0	1,046	0	77	-81	0
8	3351.40	71,501	-76	1,489	0	26	3	1	1,468	0	77	-42	0
9	3351.77	71,853	352	1,885	0	25	5	0	1,467	0	77	-9	0
10	3351.57	71,663	-190	1,585	0	25	5	0	1,750	0	62	17	0
11	3351.63	71,720	57	1,924	0	24	4	0	1,797	0	0	-90	0
12	3351.71	71,796	76	1,898	0	23	4	0	1,869	0	1	29	0
13	3351.06	71,178	-618	1,371	0	23	2	1	2,063	0	0	54	0
14	3351.18	71,292	114	2,284	0	22	4	0	2,100	0	1	-87	0
15	3351.91	71,987	695	2,842	0	22	5	0	2,124	0	0	-40	0
16	3352.78	72,820	833	3,064	0	21	6	0	2,307	0	1	62	0
17	3351.88	71,958	-862	1,246	0	21	4	1	2,172	0	0	48	0
18	3351.96	72,035	77	1,999	0	21	7	0	1,945	0	1	10	0
19	3351.04	71,159	-876	1,325	0	20	7	0	2,163	0	0	-51	0
20	3351.43	71,530	371	1,982	0	20	6	0	1,602	0	1	-22	0
21	3351.37	71,473	-57	1,872	0	20	6	1	1,915	0	0	-27	0
22	3351.20	71,311	-162	1,588	0	19	1	0	1,835	0	1	68	0
23	3351.37	71,473	162	1,684	0	19	2	0	1,458	0	0	-81	0
24	3351.71	71,796	323	1,857	0	18	2	1	1,536	0	1	-12	0
25	3351.20	71,311	-485	1,310	0	18	4	0	1,835	0	0	26	0
26	3351.37	71,473	162	1,647	0	17	6	0	1,612	0	1	117	0
27	3351.12	71,235	-238	1,798	0	17	6	0	2,065	0	0	18	0
28	3351.29	71,397	162	1,941	0	16	6	0	1,961	0	1	173	0
29	3351.63	71,720	323	2,343	0	16	5	0	1,969	0	0	-62	0
30	3351.48	71,577	-143	1,944	0	16	5	0	2,036	0	1	-61	0
Total			-486	52,601	0	669	138	6	52,902	0	735	25	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

April 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow	Outflow 1/	Computed Losses (-) Gains (+)
Mar 31	1561.76	72,161				
1	1561.70	72,050	-111		85	-26
2	1561.73	72,106	56		85	141
3	1561.65	71,957	-149		83	-66
4	1561.51	71,698	-259		203	-56
5	1561.57	71,809	111		85	196
6	1561.51	71,698	-111		84	-27
7	1561.46	71,605	-93		86	-7
8	1561.48	71,642	37		84	121
9	1561.37	71,439	-203		84	-119
10	1561.43	71,550	111		58	169
11	1561.32	71,346	-204		85	-119
12	1561.26	71,235	-111		74	-37
13	1561.02	70,793	-442		84	-358
14	1561.07	70,885	92		85	177
15	1561.13	70,996	111		85	196
16	1561.10	70,940	-56		85	29
17	1561.13	70,996	56		89	145
18	1561.02	70,793	-203		89	-114
19	1560.96	70,682	-111		89	-22
20	1560.93	70,627	-55		89	34
21	1560.99	70,738	111		89	200
22	1560.77	70,333	-405		89	-316
23	1560.93	70,627	294		89	383
24	1560.85	70,480	-147		127	-20
25	1560.85	70,480	0		11	11
26	1560.91	70,590	110		5	115
27	1560.70	70,205	-385		6	-379
28	1560.66	70,131	-74		5	-69
29	1560.82	70,425	294		5	299
30	1560.88	70,535	110		5	115
Total			-1,626	1,976	2,222	-1,380

1/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

April 2008

Reach No.	Operating Pool Beginning and Ending No.	Operating Pool Beginning and Ending Structure	Operating Pool Beginning and Ending Mile	Turnout	Total Diver-sions	Deliveries Table A	Deliveries Recreation	Deliveries Article 56C	Deliveries Local	Deliveries Recovery	Deliveries Transfer
17E	40	Edmonston Pumping Plant	293.45		125,228						
	41		298.65	KCWA Tej.-Cas	Stub						
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
	43	Alamo Powerplant	305.73	(Includes 59,058 AF generation, 0 AF plant bypass, and 1,314 AF Tehachapi bypass)	60,372						
			306.71	AVEK 305th Street West (T287)	0						
19			308.05	AVEK 294th Street West (T267)	0						
		Check No. 43	309.70								
	44		311.84	LADWP Connection	0						
			313.50	AVEK 245th Street West (T269)	0						
		Check No. 44	314.81								
	45		314.93	AVEK 235th Street West (T270)	0						
			315.57	AVEK 225th Street West (T271)	0						
		Check No. 45	319.74								
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	678			678			
				Mojave Water Agency Fairmont (T272)	133	133					
		Check No. 46	323.84								
				Reach 19 Total:	811	133	0	678	0	0	0
20A	47	Check No. 47	326.77								
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	33			33			
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved						
		Check No. 48	330.82								
	49	Check No. 49	335.93								
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	2,596			2,596			
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	40			40			
20B			340.92	AVEK WA-Temp (T387)	0						
		Check No. 50	341.51								
	51		342.06	AVEK WA-Temp (T386)	0						
		Check No. 51	342.07								
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
		Check No. 52	343.74								
	53		346.98	Palmdale WD (T276) Temp.	669	669					
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	55			55			
21		Check No. 53	348.17								
			349.52	Palmdale WD (T394) Temp.	0						
	54	Check No. 54	350.25								
	55	Check No. 55	352.70								
	56	Check No. 56	354.76								
	57		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
			354.97	Palmdale WD (T276)	0						
22A			354.97	Palmdale WD (T391)	0						
		Check No. 57	356.93								
	58		357.60	AVEK 95th Street East (T279)	78			78			
			357.72	AVEK 96th Street East (T280)	43			43			
			359.76	AVEK East Side Treatment Plant (T281)	292			292			

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet) **April 2008**

Reach No.	Operating Pool Beginning and Ending No.	Operating Pool Beginning and Ending Structure	Operating Pool Beginning and Ending Mile	Turnout	Total Diver-sions	Deliveries Table A	Deliveries Recreation	Deliveries Article 56C	Deliveries Local	Deliveries Recovery	Deliveries Transfer
22B	58	Pearblossom Pumping Plant	360.61		53,610						
	59	Check No. 59	366.09								
	60		366.50	AVEK Big Rock Siphon (T368)	0						
		Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63	Check No. 63	389.20	Mojave Water Agency White Road 24" & 42" (T282)	214	214					
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	1,372	1,372					
		Check No. 66	403.41								
23	67	Mojave Siphon	405.58	Las Flores Ranch Exchange	0						1/ 0
		Mojave Siphon Powerplant	405.65		52,601						
24		Silverwood Lake	407.65	MWA CS DAM (T288)	0						
				California State Park Silverwood (T288)	6		6				
			407.70	Creastline-Lake Arrowhead WA State Project Water (T289)	0						
				Non-Project Water (T289)	138				83		2/ 55
25		San Bernardino Intake Tunnel			52,902						
26A		Devil Canyon Powerplant	412.73		52,902						
	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0						
				MWD-Rialto (T293)	27,261	25,413				3/ 1,848	
				Desert Water Agency Transfer (T293)	0						
				Coachella Valley WD Transfer (T293)	0						
				MWD EBX-1 (T290)	0						
				MWD EBX-1 (T291)	958	958					
				East Branch Extension	2,631	4/ 2,631					
28G	69	Santa Ana Valley Pipeline	425.46								
28H			433.06	MWD-SC Box Springs (T295)	7,695	7,695					
			440.05	MWD-SC Perris Bypass Pipeline (T296)	13,953	13,953					
28J		Lake Perris	442.00	MWD-SC (T297)	159	159					
			443.44	MWD-SC 54" & 78" (T299)	2,063	2,063					
				Calif. State Park Lake Perris Recreation (T298)	0						
				MWD Total:	90,594	87,837	0	0	0	2,757	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ Transfer of Table A water.

3/ Includes 794 AF of Semitropic Bank Recovery and 1,054 AF of Arvin Edison Water Bank Recovery.

4/ Includes 0 AF to San Gabriel Valley MWD, 2,109 AF to San Bernardino Valley MWD, and 522 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

April 2008

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO3	44	160	87	90	81	90	84	87	82
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.003
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.4	0.2	0.3	0.2	0.3	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.09	0.16	0.21	0.27	0.23	0.25	0.22	0.22
Calcium	mg/l	10	30	24	28	22	26	26	29	27
Chloride	mg/l as C	1.0	49.0	56.0	71.0	88.0	80.0	79.0	74.0	70.0
Chromium	mg/l as C	<0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	<0.1	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	41.000	194.000	118.000	140.000	113.000	131.000	118.000	122.000	109.000
Iron	mg/l	<0.005	0.0	0.0	0.0	0.0	0.0	<0.005	<0.005	0.0
Lead	mg/l as CaCO3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4.000	29.000	14.000	17.000	14.000	16.000	13.000	12.000	10.000
Manganese	mg/l	<0.005	0.016	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	NR	1	1	1	1	1	1
Organic Carbon, Dissolved	mg/l	NR	5.300	5.200	4.600	3.500	4.800	3.400	3.500	0.000
Organic Carbon, Total	mg/l as N	NR	5.60	5.80	4.60	3.60	5.20	4.10	3.50	0.00
Phosphate-Ortho	mg/l as P	<0.01	0.17	NR	0.08	0.07	0.08	NR	0.06	0.04
Phosphorus-Total	mg/l	0	0.18	NR	0.10	0.07	0.11	0.08	0.08	0.05
Selenium	mg/l	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	4	58	45	58	59	64	60	58	56
Specific Conductance	µS/cm	98	604	467	553	548	580	555	550	516
Sulfate	mg/l	2	68	49	64	43	63	50	56	50
Total Dissolved Solids	mg/l	57	344	265	307	300	321	311	303	285
Turbidity	NTU	3	32	9	13	3	9	8	7	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

April 2008

Date	Antioch Tides (feet above mean sea level)		Flow In CFS			Electrical Conductivity in milliSiemens/cm									Cl in mg/l
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	Contra Costa Canal Intake
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average											
					md	md	md	md	14dm	md	14dm	md	md	md	md
1	5.03	3.52	8,899	8,899	4,888	0.35	1.91	0.26	0.26	0.28	0.28	0.55	0.74	0.58	38
2	5.14	3.54	7,670	8,284	4,494	0.35	2.65	0.26	0.26	0.28	0.28	0.55	0.70	0.53	41
3	5.04	3.45	7,583	8,051	4,853	0.34	2.76	0.26	0.26	0.28	0.28	0.55	0.69	0.53	45
4	5.06	3.55	6,658	7,702	4,803	0.35	3.17	0.27	0.26	0.28	0.28	0.48	0.73	0.50	45
5	5.32	3.60	6,082	7,378	4,201	0.37	3.49	0.28	0.26	0.29	0.28	0.47	0.71	0.48	56
6	5.68	3.70	6,663	7,259	4,091	0.40	3.99	0.34	0.27	0.30	0.28	0.47	0.66	0.48	51
7	5.72	3.51	6,180	7,105	4,069	0.41	3.51	0.33	0.27	0.30	0.28	0.45	0.71	0.50	48
8	5.86	3.89	7,337	7,134	4,579	0.42	4.02	0.37	0.28	0.30	0.29	0.43	0.66	0.52	46
9	6.31	4.21	7,243	7,146	4,511	0.42	4.22	0.41	0.29	0.32	0.29	0.45	0.60	0.51	47
10	6.18	3.89	8,973	7,329	5,126	0.39	3.84	0.38	0.30	0.32	0.29	0.45	0.67	0.54	51
11	5.99	3.85	9,817	7,555	5,373	0.37	3.32	0.37	0.31	0.31	0.29	0.62	0.66	0.58	59
12	5.75	3.63	12,183	7,941	6,719	0.38	3.08	0.34	0.31	0.32	0.30	0.62	0.68	0.58	58
13	5.57	3.87	12,611	8,300	7,057	0.38	2.93	0.32	0.32	0.31	0.30	0.62	0.67	0.60	59
14	5.61	4.12	12,470	8,598	7,192	0.37	4.06	0.33	0.32	0.31	0.30	0.61	0.66	0.60	60
15	5.34	3.83	11,860	8,815	6,679	0.35	3.14	0.26	0.32	0.31	0.30	0.59	0.65	0.57	61
16	5.08	3.49	12,437	9,041	7,460	0.32	2.23	0.25	0.32	0.30	0.30	0.58	0.59	0.44	61
17	5.11	3.50	12,257	9,231	7,367	0.33	2.00	0.24	0.32	0.29	0.30	0.59	0.65	0.42	59
18	5.43	3.82	11,897	9,379	7,054	0.36	2.46	0.24	0.32	0.30	0.31	0.53	0.70	0.54	60
19	5.81	4.15	11,815	9,507	6,624	0.37	3.14	0.25	0.32	0.30	0.31	0.53	0.63	0.51	56
20	5.86	3.84	11,353	9,599	6,238	0.35	2.59	0.25	0.31	0.30	0.31	0.53	0.56	0.50	54
21	5.73	3.74	12,113	9,719	6,713	0.36	2.31	0.24	0.30	0.29	0.31	0.53	0.55	0.55	58
22	5.71	3.84	12,219	9,833	6,316	0.40	2.14	0.24	0.29	0.29	0.31	0.53	0.53	0.54	52
23	5.89	3.94	11,711	9,914	5,820	0.59	2.35	0.25	0.28	0.29	0.30	0.53	0.49	0.55	50
24	5.76	3.81	10,816	9,952	5,125	0.53	2.04	0.25	0.27	0.29	0.30	0.53	0.62	0.54	46
25	5.45	3.65	10,836	9,987	5,087	0.49	1.70	0.24	0.26	0.28	0.30	0.50	0.62	0.50	58
26	5.41	3.76	10,221	9,996	4,586	0.49	1.70	0.24	0.26	0.28	0.30	0.50	0.57	0.47	58
27	5.29	3.61	9,691	9,985	4,302	0.48	1.74	0.25	0.25	0.28	0.29	0.50	0.59	0.44	53
28	5.07	3.77	9,244	9,959	3,922	0.47	2.11	0.26	0.25	0.28	0.29	0.50	0.56	0.43	64
29	4.82	3.71	8,726	9,916	3,558	0.51	2.61	0.26	0.25	0.28	0.29	0.50	0.56	0.41	63
30	4.97	3.31	8,287	9,862	3,302	0.46	2.08	0.23	0.25	0.27	0.29	0.50	0.71	0.39	62

Clifton Court Cl(mg/l)=200X EC - 25
N.R. = No Record.
N.C. = Not computed due to insufficient data.

e = Estimated

f = Excess Delta conditions with fish concerns.
r = Excess delta conditions with export/inflow ratio concerns.
s = Balanced water conditions with storage withdrawals.

dm = Daily Mean
md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

April 2008

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	March 19, 2008	2,4-D	0.10
		Diuron	0.58
California Aqueduct At Banks Pumping Plant	March 19, 2008	2,4-D	0.10
		Diuron	0.54
		Simazine	0.04
O'Niell Forebay Outlet Check 13	March 19, 2008	Diuron	0.29
		Simazine	0.05
Delta Mendota Canal At McCabe Road	March 19, 2008	2,4-D	0.10
		Diuron	1.08
		Simazine	0.04
California Aqueduct Near Kettleman City (Check 21)	March 18, 2008	Diuron	0.35
		Simazine	0.07
California Aqueduct At Near Highway 119 (Check 29)	March 18, 2008	Diuron	0.49
		Simazine	0.09
California Aqueduct at Tehachapi Afterbay (Check 41)	March 19, 2008	Diuron	7.72
		Simazine	3.35
California Aqueduct At Devil Canyon Headworks	March 19, 2008	Diuron	1.72
		Simazine	0.69

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh) **April 2008**

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	482,890	10	2,700	6,080	814,930	814,930	33,780	830
2	3,357,320	2,720	2,370	6,090	1,147,460	1,147,460	79,070	830
3	2,195,730	9,790	5,000	6,280	1,456,570	1,456,570	169,040	830
4	1,352,910	7,490	13,420	17,720	1,610,750	1,610,750	164,950	840
5	850,970	10,770	16,370	12,260	1,492,260	1,492,260	184,330	840
6	683,310	11,340	20,000	14,860	1,110,860	1,110,860	169,700	830
7	804,190	11,950	19,160	17,290	1,110,600	1,110,600	197,110	820
8	2,150,890	8,480	19,520	22,310	919,260	919,260	169,820	830
9	4,122,940	3,260	19,080	33,420	632,850	632,850	179,520	820
10	5,762,230	0	21,840	38,080	814,940	814,940	156,990	800
11	3,862,550	0	24,570	40,090	554,760	554,760	189,040	740
12	3,448,390	0	28,150	45,140	289,500	289,500	204,740	730
13	3,160,870	810	26,990	44,250	289,620	289,620	214,350	600
14	3,109,880	390	30,480	48,420	435,340	435,340	213,340	860
15	3,451,320	2,770	31,350	47,180	571,580	571,580	185,060	810
16	4,580,710	0	34,040	45,710	566,180	566,180	195,530	810
17	5,371,120	0	44,460	50,800	753,650	753,650	206,970	730
18	4,794,670	0	45,580	48,640	1,689,260	1,689,260	209,730	740
19	4,958,020	0	32,800	45,960	42,660	42,660	204,460	810
20	5,328,880	0	27,170	43,240	522,900	522,900	210,720	830
21	7,310,500	0	32,070	49,040	519,900	519,900	218,230	820
22	8,876,550	0	38,110	50,810	405,060	405,060	249,020	4,070
23	2,990,780	0	31,830	41,270	385,980	385,980	280,040	7,170
24	3,505,060	2,890	30,900	44,910	263,720	263,720	252,540	7,140
25	2,423,960	4,540	31,250	48,140	429,570	429,570	270,090	7,130
26	2,845,780	1,680	29,300	46,710	730,670	730,670	284,920	7,080
27	1,736,090	4,950	30,220	48,290	382,850	382,850	284,870	7,100
28	5,831,570	3,440	32,070	47,480	376,080	376,080	301,900	6,570
29	6,241,870	0	36,310	49,400	376,670	376,670	302,640	6,840
30	10,292,460	0	28,330	42,500	376,500	376,500	302,110	6,810
Total	115,884,410	87,280	785,440	1,102,370	21,072,930	21,072,930	6,284,610	76,660

Table 36. San Luis Field Division Energy Data

(in kWh) **April 2008**

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	898,600	346,600	1,855,540	479,540	7,120	7,120
2	1,029,270	477,270	1,627,350	-92,650	7,250	7,250
3	999,630	447,630	1,287,410	-88,590	7,370	7,370
4	963,540	619,540	786,160	-73,840	12,430	12,430
5	965,140	621,140	76,670	-9,330	443,000	443,000
6	847,930	511,930	0	0	20,650	20,650
7	694,540	350,540	0	0	21,870	21,870
8	886,790	542,790	0	0	21,990	21,990
9	977,100	633,100	717,160	-56,840	14,340	14,340
10	937,000	593,000	1,339,350	-79,650	12,210	12,210
11	1,242,340	898,340	1,099,530	-34,470	12,980	12,980
12	1,053,070	709,070	1,960,040	1,960,040	6,950	6,950
13	1,028,670	692,670	2,437,070	1,177,070	7,010	7,010
14	882,500	538,500	2,437,180	1,177,180	7,000	7,000
15	1,031,280	687,280	2,043,780	1,203,780	7,170	7,170
16	881,670	441,670	1,064,020	224,020	11,590	11,590
17	1,071,820	631,820	943,580	-64,420	10,420	10,420
18	1,264,580	824,580	1,800,950	372,950	1,070	1,070
19	1,251,390	811,390	3,112,640	1,684,640	3,410	3,410
20	1,137,940	705,940	2,104,560	676,560	5,820	5,820
21	1,160,240	720,240	3,300,000	1,368,000	5,410	5,410
22	1,324,860	884,860	2,347,900	919,900	1,090	1,090
23	1,234,100	682,100	2,426,530	826,530	7,120	7,120
24	1,235,840	683,840	2,268,090	748,090	6,260	6,260
25	1,266,760	714,760	2,560,550	1,156,550	5,990	5,990
26	1,058,440	506,440	2,477,540	1,073,540	5,920	5,920
27	1,266,260	714,260	2,359,290	955,290	6,120	6,120
28	895,470	343,470	2,787,830	1,383,830	6,130	6,130
29	1,082,510	434,510	2,745,720	1,387,720	7,150	7,150
30	1,152,430	504,430	2,074,220	670,220	6,600	6,600
Total	31,721,710	18,273,710	52,040,660	18,945,660	699,440	699,440

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh) **April 2008**

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	11,490	26,510	33,970	31,780	34,350	1,105,810	1,153,000	2,541,440	9,148,030
2	22,930	60,620	35,650	33,640	36,240	1,071,330	1,143,810	2,488,420	9,072,730
3	12,810	33,570	35,990	33,560	35,630	1,111,630	1,172,780	2,548,460	9,079,800
4	15,600	41,680	35,590	33,230	35,800	1,109,200	1,147,270	2,518,920	9,089,550
5	18,120	49,530	42,630	39,130	42,640	1,043,440	1,106,630	2,462,120	9,071,600
6	16,040	40,640	31,580	29,380	32,670	887,330	998,900	2,247,400	8,079,510
7	11,950	30,790	30,150	28,540	30,270	854,860	969,920	2,119,170	7,670,670
8	14,710	36,460	39,220	37,150	39,490	1,049,870	1,040,090	2,282,640	8,076,210
9	15,540	39,060	38,100	35,260	39,360	1,078,590	1,136,330	2,473,590	9,025,240
10	15,310	37,180	40,940	38,390	41,310	1,073,770	1,133,360	2,500,220	9,084,150
11	18,480	45,790	41,160	38,370	41,630	1,138,170	1,141,280	2,514,490	9,081,860
12	24,140	63,660	49,710	46,010	50,090	1,037,310	1,116,380	2,471,000	9,078,590
13	22,480	59,210	38,080	35,540	38,060	1,203,030	1,327,850	3,000,800	10,925,630
14	19,070	47,410	37,090	34,880	37,020	1,093,620	1,132,050	2,431,560	8,839,830
15	22,680	55,530	46,830	43,790	47,010	1,130,560	1,120,870	2,411,160	8,821,280
16	20,930	54,410	30,390	28,730	30,520	956,670	958,730	2,040,930	7,390,820
17	20,020	50,880	43,790	42,150	43,510	949,780	991,590	2,136,280	7,427,460
18	24,170	62,350	32,050	30,610	32,190	1,075,680	1,015,200	2,156,590	8,146,740
19	41,350	110,190	52,800	48,540	52,990	1,049,170	1,149,880	2,468,030	9,080,960
20	18,160	49,050	40,930	38,020	42,530	1,455,040	1,609,060	3,521,100	12,991,780
21	18,500	44,630	31,470	29,630	31,770	1,271,790	1,384,450	3,000,200	11,030,120
22	32,470	84,020	47,340	43,660	47,930	1,391,650	1,307,170	2,808,920	10,162,640
23	34,990	89,920	39,000	37,250	38,890	1,140,660	1,175,830	2,561,720	9,282,900
24	23,600	57,050	45,030	42,310	45,120	1,187,620	1,243,520	2,721,500	10,002,150
25	21,710	54,920	35,660	33,300	36,420	1,195,220	1,262,600	2,754,720	10,052,370
26	23,830	62,690	36,850	34,920	37,630	1,160,660	1,243,020	2,711,800	10,051,480
27	16,430	44,280	38,750	36,540	39,690	1,344,230	1,479,290	3,280,870	12,033,440
28	11,320	27,910	47,110	44,490	47,760	1,156,720	1,249,690	2,733,160	10,038,740
29	14,440	33,510	44,360	41,800	44,730	1,244,410	1,281,400	2,797,160	10,053,420
30	16,300	39,780	44,110	41,550	44,670	1,226,520	1,232,200	2,696,310	9,846,710
Total	599,570	1,533,230	1,186,330	1,112,150	1,197,920	33,794,340	35,424,150	77,400,680	281,736,410

Table 38. Southern Field Division Energy Data

(in kWh) **April 2008**

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	557,030	1,306,230	888,000	245,678	1,377,846	2,644,165	164,725	25,182	32,523	413
2	561,762	1,302,360	888,000	247,903	1,251,795	2,172,083	141,752	24,956	32,344	441
3	622,267	1,304,170	888,000	230,419	1,236,839	2,627,828	145,649	25,182	32,364	422
4	619,851	1,308,130	888,000	164,715	997,916	1,766,812	127,106	25,182	32,434	431
5	781,010	1,306,210	888,000	163,360	760,867	1,674,169	91,406	1,326	476	422
6	572,752	1,300,680	888,000	132,605	732,672	1,194,838	66,723	15,920	21,451	431
7	535,653	1,270,700	2,088,000	154,915	733,589	1,260,285	67,306	23,060	32,196	413
8	585,089	1,307,530	2,088,000	196,450	997,338	1,804,233	116,841	31,340	43,298	422
9	571,970	1,307,760	2,088,000	213,716	1,252,004	1,812,549	146,232	22,923	31,967	478
10	569,198	1,308,550	2,088,000	207,209	1,179,831	2,186,056	119,828	31,654	43,586	413
11	508,297	1,307,460	2,088,000	238,766	1,080,837	2,227,344	148,635	23,100	32,335	431
12	565,030	1,305,360	2,088,000	221,746	1,377,727	2,318,374	146,183	1,778	516	431
13	851,376	1,303,420	2,088,000	182,496	793,519	2,565,022	103,214	17,001	22,463	450
14	359,653	412,440	1,900,000	271,875	1,570,508	2,603,382	181,794	31,516	43,496	478
15	212,327	0	1,900,000	366,574	1,894,506	2,613,093	212,836	31,821	43,377	3,414
16	231,376	330,270	1,900,000	322,765	1,880,887	2,812,362	229,757	32,656	43,357	3,752
17	509,594	661,040	1,899,000	153,422	809,980	2,625,089	91,555	24,141	32,196	450
18	508,505	634,680	1,899,000	234,434	1,372,283	2,414,369	149,733	31,860	43,467	460
19	562,743	635,670	1,899,000	207,743	1,145,872	2,673,734	92,909	1,522	496	441
20	851,416	634,910	1,899,000	234,850	1,009,192	1,968,958	152,898	16,382	22,076	413
21	762,931	635,440	2,263,000	221,212	1,187,139	2,370,945	143,592	31,212	43,367	422
22	649,812	636,830	2,263,000	267,435	1,181,735	2,264,913	118,928	31,065	43,348	3,255
23	485,287	637,740	2,263,000	285,097	1,467,358	2,014,102	129,391	31,163	43,050	3,048
24	570,792	637,640	2,263,000	170,629	1,058,774	1,807,911	137,015	30,947	43,238	441
25	625,535	638,570	2,263,000	244,759	1,265,663	2,201,750	92,257	26,537	37,266	450
26	734,307	637,490	2,263,000	192,375	952,283	1,937,322	129,371	1,650	536	469
27	749,723	637,220	2,262,000	225,633	1,155,444	2,479,183	142,296	16,254	21,570	460
28	569,139	635,590	686,000	304,500	1,572,203	2,354,955	147,725	31,575	43,675	497
29	626,158	636,400	686,000	256,932	1,618,385	2,431,458	174,209	31,526	43,477	3,836
30	450,416	634,180	686,000	259,286	1,268,495	2,560,107	146,015	31,133	43,318	2,823
Total	17,361,000	26,614,670	51,138,000	6,819,502	36,183,490	66,387,391	4,057,882	701,562	949,261	30,707

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations