State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
December
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
MARK COWIN, Director

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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 December 2008.

Statewide precipitation was about 90 percent of average for the 2007 - 2008 water-year through December 31. Statewide runoff was 40 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".

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.

Statewide reservoir storage was 70% of average to date. Total storage in major SWP reservoirs at the end of December 2008 was about 1.79 maf, compared with about 2.45 maf at this time in 2007. On December 31, 2008, end-of-month storage at Lake Oroville was about .981 maf, as compared to 1.23 maf at this time in 2007. The State share of San Luis Reservoir's end-of-month storage was about 258 taf, as compared with 664 taf at this time in 2007. The combined storage in SWP's southern reservoirs was about 552 taf, compared with about 557 taf at this time in 2007.

SWP water deliveries to date through December 2008 were about 2.82 maf. This is a combination of project, transfer, and exchange waters. Total deliveries through this same period in 2007 were 4.25 maf.

The Coordinated Operations Agreement (COA) remained in "Balanced" conditions throughout the end of 2008.

On December 7, Southern Field Division reported that Rialto Pipeline flow was transferred from Devil Canyon Afterbay #2 to Devil Canyon Afterbay #1 and wasteway was opened to complete draining of Devil Canyon Afterbay #2 per scheduled outage for Afterbay crack repair and silt removal.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

December 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				
Nov 30	4991.77	14,188								
1	4991.75	14,174	-14	10	0	0	0	1	11	4
2	4991.74	14,167	-7	10	0	0	0	1	11	7
3	4991.71	14,146	-21	10	0	0	0	1	11	0
4	4991.68	14,125	-21	10	0	0	0	1	11	0
5	4991.67	14,118	-7	10	0	0	0	1	11	7
6	4991.64	14,096	-22	10	0	0	0	1	11	0
7	4991.60	14,068	-28	10	0	0	0	1	11	-3
8	4991.58	14,054	-14	10	0	0	0	1	11	4
9	4991.56	14,040	-14	10	0	0	0	1	11	4
10	4991.52	14,012	-28	10	0	0	0	1	11	-3
11	4991.49	13,991	-21	10	0	0	0	1	11	0
12	4991.46	13,970	-21	10	0	0	0	1	11	0
13	4991.46	13,970	0	10	0	0	0	1	11	11
14	4991.46	13,970	0	10	0	0	0	1	11	11
15	4991.47	13,977	7	10	0	0	0	1	11	15
16	4991.44	13,956	-21	10	0	0	0	1	11	0
17	4991.42	13,942	-14	10	0	0	0	1	11	4
18	4991.40	13,928	-14	10	0	0	0	1	11	4
19	4991.40	13,928	0	10	0	0	0	1	11	11
20	4991.38	13,914	-14	10	0	0	0	1	11	4
21	4991.37	13,907	-7	10	0	0	0	1	11	7
22	4991.39	13,921	14	10	0	0	0	1	11	18
23	4991.37	13,907	-14	10	0	0	0	1	11	4
24	4991.36	13,900	-7	10	0	0	0	2	12	8
25	4991.46	13,970	70	10	0	0	0	2	12	47
26	4991.44	13,956	-14	10	0	0	0	2	12	5
27	4991.43	13,949	-7	10	0	0	0	2	12	8
28	4991.42	13,942	-7	10	0	0	0	2	12	8
29	4991.40	13,928	-14	10	0	0	0	2	12	5
30	4991.39	13,921	-7	10	0	0	0	2	12	8
31	4991.40	13,928	7	10	0	0	0	2	12	16
Total cfs-days			- - -	310	0	0	0	39	349	218
Total ac-ft			-260	615	0	0	0	77	692	432

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

December 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				
Nov 30	5564.29	25,450								
1	5564.28	25,440	-10	2	1	0	0	2	5	0
2	5564.25	25,411	-29	2	1	0	0	2	5	-10
3	5564.25	25,411	0	2	1	0	0	2	5	5
4	5564.25	25,411	0	2	1	0	0	2	5	5
5	5564.25	25,411	0	2	1	0	0	2	5	5
6	5564.24	25,401	-10	2	1	0	0	2	5	0
7	5564.24	25,401	0	2	1	0	0	2	5	5
8	5564.24	25,401	0	2	1	0	0	2	5	5
9	5564.24	25,401	0	2	1	0	0	2	5	5
10	5564.23	25,391	-10	2	0	0	0	2	4	-1
11	5564.23	25,391	0	2	0	0	0	2	4	4
12	5564.18	25,343	-48	2	0	0	0	2	4	-20
13	5564.22	25,382	39	2	0	0	0	2	4	24
14	5564.22	25,382	0	2	0	0	0	2	4	4
15	5564.24	25,401	19	2	0	0	0	2	4	14
16	5564.24	25,401	0	2	0	0	0	2	4	4
17	5564.24	25,401	0	2	0	0	0	2	4	4
18	5564.24	25,401	0	2	0	0	0	2	4	4
19	5564.25	25,411	10	2	0	0	0	2	4	9
20	5564.25	25,411	0	2	0	0	0	2	4	4
21	5564.26	25,421	10	2	0	0	0	2	4	9
22	5564.24	25,401	-20	2	0	0	0	2	4	-6
23	5564.26	25,421	20	2	0	0	0	2	4	14
24	5564.28	25,440	19	2	0	0	0	1	3	13
25	5564.35	25,508	68	2	0	0	0	1	3	37
26	5564.35	25,508	0	2	0	0	0	1	3	3
27	5564.38	25,537	29	2	0	0	0	1	3	18
28	5564.39	25,547	10	2	0	0	0	1	3	8
29	5564.37	25,528	-19	2	0	0	0	1	3	-7
30	5564.36	25,518	-10	2	0	0	0	1	3	-2
31	5564.36	25,518	0	2	0	0	0	1	3	3
Total cfs-days			- - -	62	9	0	0	54	124	159
Total ac-ft			68	123	17	0	0	107	247	315

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

December 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/				
Nov 30	5761.37	39,143								
1	5761.35	39,091	-52	10	0	0.2	0	5	15	-11
2	5761.35	39,091	0	10	0	0.2	0	5	15	15
3	5761.34	39,065	-26	10	0	0.2	0	5	15	2
4	5761.33	39,039	-26	10	0	0.2	0	5	15	2
5	5761.31	38,987	-52	10	0	0.2	0	5	15	-11
6	5761.30	38,961	-26	10	0	0.2	0	5	15	2
7	5761.29	38,936	-25	10	0	0.2	0	5	15	2
8	5761.27	38,884	-52	10	0	0.2	0	5	15	-11
9	5761.25	38,832	-52	10	0	0.2	0	5	15	-11
10	5761.25	38,832	0	10	0	0.2	0	5	15	15
11	5761.25	38,832	0	10	0	0.2	0	5	15	15
12	5761.19	38,676	-156	10	0	0.2	0	5	15	-64
13	5761.25	38,832	156	10	0	0.2	0	5	15	94
14	5761.27	38,884	52	10	0	0.2	0	5	15	41
15	5761.33	39,039	155	10	0	0.2	0	5	15	93
16	5761.32	39,013	-26	10	0	0.2	0	5	15	2
17	5761.30	38,961	-52	10	0	0.2	0	5	15	-11
18	5761.30	38,961	0	10	0	0.2	0	5	15	15
19	5761.32	39,013	52	10	0	0.2	0	5	15	41
20	5761.31	38,987	-26	10	0	0.2	0	5	15	2
21	5761.29	38,936	-51	10	0	0.2	0	5	15	-11
22	5761.33	39,039	103	10	0	0.2	0	4	14	66
23	5761.33	39,039	0	10	0	0.2	0	4	14	14
24	5761.33	39,039	0	10	0	0.2	0	4	14	14
25	5761.47	39,404	365	10	0	0.2	0	4	14	198
26	5761.45	39,352	-52	10	0	0.2	0	4	14	-12
27	5761.43	39,300	-52	10	0	0.2	0	4	14	-12
28	5761.41	39,248	-52	10	0	0.2	0	4	14	-12
29	5761.41	39,248	0	10	0	0.2	0	4	14	14
30	5761.41	39,248	0	10	0	0.2	0	4	14	14
31	5761.41	39,248	0	10	0	0.2	0	4	14	14
Total cfs-days			- - -	304	0	6	0	145	455	508
Total ac-ft			105	603	0	12	0	287	902	1,007

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

December 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/
Nov 30	663.80	999,087										
1	664.20	1,001,693	2,606	4,108	6	0	0	19	0	4,133	0	6,739
2	664.30	1,002,345	652	4,384	6	0	0	9	0	4,399	0	5,051
3	664.12	1,001,171	-1,174	1,545	5	0	0	9	0	1,559	0	385
4	664.38	1,002,867	1,696	2,842	4	0	0	0	0	2,846	0	4,542
5	664.15	1,001,367	-1,500	2,367	4	0	0	5	0	2,376	0	876
6	664.01	1,000,454	-913	5,635	4	0	0	9	0	5,648	0	4,735
7	663.10	995,511	-4,943	5,571	4	0	0	23	0	5,598	0	655
8	663.00	993,889	-1,622	3,031	4	0	0	4	0	3,039	0	1,417
9	662.80	992,592	-1,297	5,550	4	0	0	9	0	5,563	0	4,266
10	662.20	988,709	-3,883	5,200	4	0	0	31	0	5,235	0	1,352
11	661.79	986,061	-2,648	4,279	4	0	0	0	0	4,283	0	1,635
12	661.36	983,289	-2,772	5,794	4	0	0	13	0	5,811	0	3,039
13	660.77	979,495	-3,794	3,886	4	0	0	18	0	3,908	0	114
14	660.65	978,725	-770	3,961	4	0	0	36	0	4,001	0	3,231
15	660.38	976,993	-1,732	6,436	4	0	0	4	0	6,444	0	4,712
16	659.85	973,599	-3,394	4,719	4	0	0	0	0	4,723	0	1,329
17	659.48	971,234	-2,365	4,658	4	0	0	18	0	4,680	0	2,315
18	659.10	968,810	-2,424	5,608	4	0	0	18	0	5,630	0	3,206
19	658.72	966,389	-2,421	3,400	4	0	0	18	0	3,422	0	1,001
20	658.50	964,990	-1,399	3,728	4	0	0	9	0	3,741	0	2,342
21	658.54	965,244	254	3,647	4	0	0	18	0	3,669	0	3,923
22	658.70	966,262	1,018	3,673	4	0	0	0	0	3,677	0	4,695
23	659.02	968,300	2,038	3,427	4	0	0	0	0	3,431	0	5,469
24	659.22	969,575	1,275	2,226	4	0	0	0	0	2,230	0	3,505
25	660.30	976,480	6,905	2,222	4	0	0	9	0	2,235	0	9,140
26	661.12	981,745	5,265	3,585	4	0	0	13	0	3,602	0	8,867
27	661.30	982,903	1,158	2,399	4	0	0	18	0	2,421	0	3,579
28	661.35	983,225	322	4,753	3	0	0	27	0	4,783	0	5,105
29	661.20	982,260	-965	4,316	3	0	0	9	0	4,328	0	3,363
30	661.18	982,131	-129	3,099	3	0	0	18	0	3,120	0	2,991
31	661.02	981,102	-1,029	4,137	3	0	1	0	0	4,141	0	3,112
Total			-17,985	124,186	125	0	1	364	0	124,676	0	106,691

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) **December 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 (+)
Nov 30	23,880										
1	23,874	-6	4,108	462	0	2,930	0	3	1,247	0	-396
2	24,043	169	4,384	463	0	2,952	0	3	1,307	0	-416
3	23,609	-434	1,545	463	0	592	0	3	1,297	0	-550
4	23,992	383	2,842	480	0	1,436	0	3	1,364	0	-136
5	21,617	-2,375	2,367	481	0	3,774	0	3	1,356	0	-90
6	23,738	2,121	5,635	480	0	2,794	0	3	1,265	0	68
7	23,793	55	5,571	479	0	4,818	0	3	1,269	0	95
8	23,800	7	3,031	479	0	2,244	0	3	1,293	0	37
9	24,333	533	5,550	479	0	4,258	0	3	1,249	0	14
10	23,745	-588	5,200	479	0	5,090	0	3	1,249	0	75
11	23,906	161	4,279	479	0	3,224	0	3	1,257	0	-113
12	23,716	-190	5,794	479	0	5,238	0	3	1,247	0	25
13	23,356	-360	3,886	479	0	3,400	0	3	1,249	0	-73
14	23,758	402	3,961	478	0	2,744	0	3	1,247	0	-43
15	23,789	31	6,436	477	0	5,558	0	3	1,247	0	-74
16	23,825	36	4,719	473	0	3,782	0	3	1,247	0	-124
17	23,872	47	4,658	464	0	3,682	0	3	1,247	0	-143
18	24,508	636	5,608	465	0	4,128	0	3	1,249	0	-57
19	23,952	-556	3,400	465	0	3,046	0	4	1,249	0	-122
20	23,726	-226	3,728	466	0	3,082	0	4	1,247	0	-87
21	24,370	644	3,647	466	0	2,278	0	4	1,251	0	64
22	23,920	-450	3,673	466	0	3,324	0	4	1,247	0	-14
23	24,019	99	3,427	465	0	2,516	0	4	1,247	0	-26
24	23,749	-270	2,226	409	0	1,766	0	4	1,247	0	112
25	23,987	238	2,222	349	0	1,248	0	4	1,271	0	190
26	23,992	5	3,585	458	0	2,816	0	4	1,247	0	29
27	23,852	-140	2,399	182	0	1,424	0	4	1,247	0	-46
28	23,894	42	4,753	44	0	3,542	0	4	1,247	0	38
29	24,291	397	4,316	116	0	2,838	0	4	1,247	0	54
30	23,896	-395	3,099	170	0	2,492	0	4	1,247	0	79
31	23,198	-698	4,137	200	0	3,888	0	4	1,247	0	104
Total		-682	124,186	12,795	0	96,904	0	106	39,127	0	-1,526

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

December 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		
Nov 30	130.65	34,346										
1	130.53	33,936	-410	2,930	1,527	11	383	760	662	0	3	1,909
2	130.42	33,562	-374	2,952	1,527	6	383	831	664	0	85	1,971
3	129.55	30,672	-2,890	592	1,505	6	383	893	659	0	-36	1,956
4	128.95	28,751	-1,921	1,436	1,509	6	383	906	657	0	104	2,021
5	129.06	29,099	348	3,774	1,509	6	383	851	657	0	-20	2,013
6	128.86	28,468	-631	2,794	1,503	6	383	799	651	0	-83	1,916
7	129.33	29,961	1,493	4,818	1,498	6	383	801	661	0	24	1,930
8	128.96	28,783	-1,178	2,244	1,484	8	349	785	661	0	-135	1,954
9	129.31	29,897	1,114	4,258	1,478	9	335	772	655	0	105	1,904
10	129.86	31,688	1,791	5,090	1,466	9	333	766	662	0	-63	1,911
11	129.89	31,787	99	3,224	1,462	8	335	752	662	0	94	1,919
12	130.54	33,970	2,183	5,238	1,468	8	333	692	670	0	116	1,917
13	130.58	34,106	136	3,400	1,478	8	327	631	674	0	-146	1,923
14	130.60	34,175	69	2,744	1,480	8	323	631	662	0	429	1,909
15	131.30	36,608	2,433	5,558	1,454	8	327	633	666	0	-37	1,913
16	131.41	36,998	390	3,782	1,434	8	325	627	672	0	-326	1,919
17	131.62	37,747	749	3,682	1,434	8	327	623	651	0	110	1,898
18	132.01	39,156	1,409	4,128	1,442	8	329	609	653	0	322	1,902
19	131.93	38,865	-291	3,046	1,434	6	327	577	661	0	-332	1,910
20	131.95	38,938	73	3,082	1,434	5	327	536	662	0	-45	1,909
21	131.86	38,611	-327	2,278	1,430	5	327	538	661	0	356	1,912
22	131.93	38,865	254	3,324	1,394	5	327	532	661	0	-151	1,908
23	131.82	38,466	-399	2,516	1,345	5	325	518	662	0	-60	1,909
24	131.72	38,106	-360	1,766	1,319	5	325	526	655	0	704	1,902
25	131.16	36,115	-1,991	1,248	1,313	5	323	518	647	0	-433	1,918
26	131.18	36,185	70	2,816	1,327	3	323	504	643	0	54	1,890
27	130.74	34,655	-1,530	1,424	1,327	2	321	488	645	0	-171	1,892
28	130.97	35,451	796	3,542	1,327	2	323	492	645	0	43	1,892
29	130.94	35,347	-104	2,838	1,323	2	325	478	645	0	-169	1,892
30	130.92	35,277	-70	2,492	1,313	2	323	450	647	0	173	1,894
31	131.16	36,115	838	3,888	1,300	2	325	454	645	0	-324	1,892
Total			1,769	96,904	44,240	186	10,550	19,970	20,378	0	189	59,505

1/ Includes Bypass flows at Thermalito.

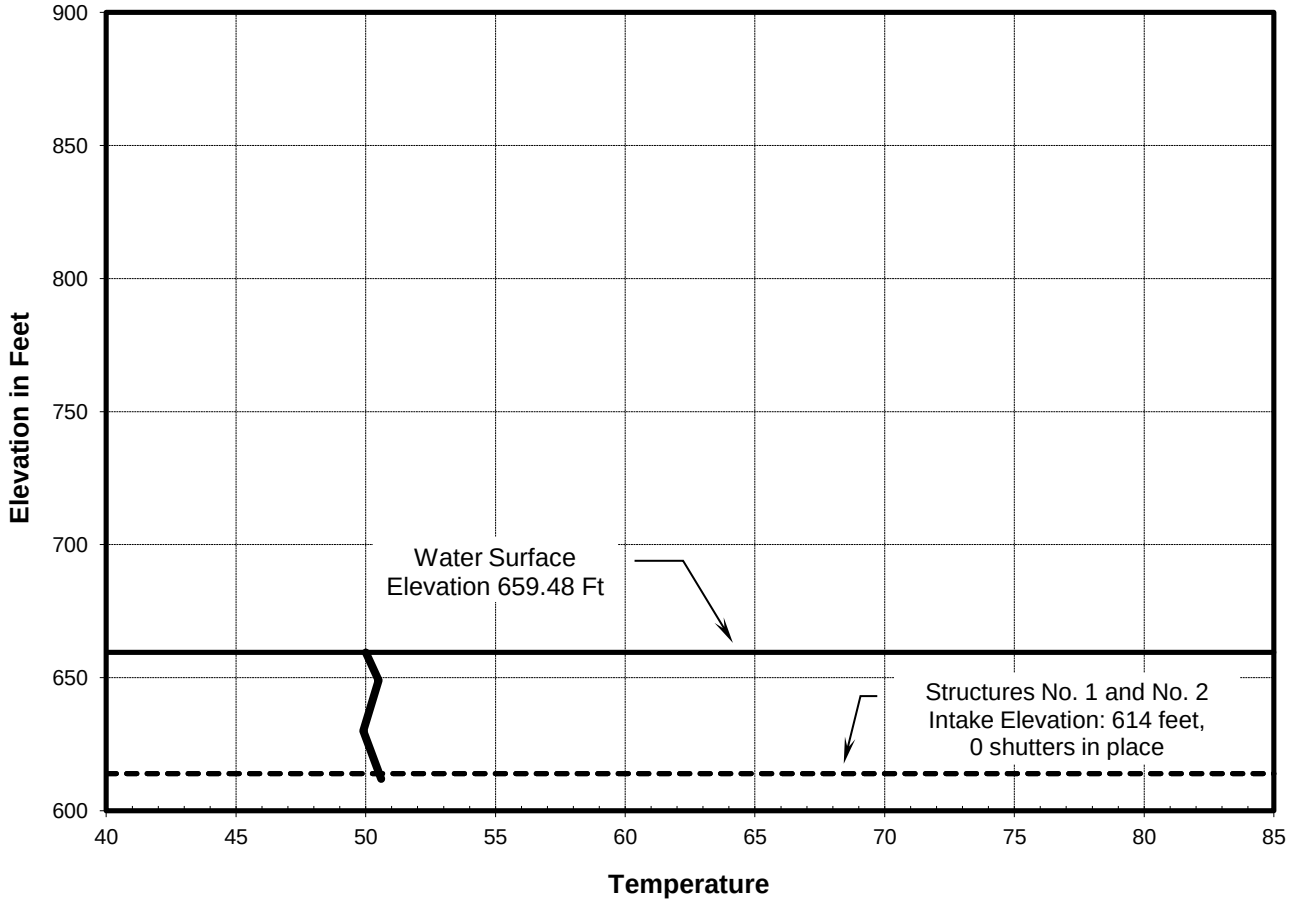
2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

Water Temperature Data
(in degrees Fahrenheit)
December 2008

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	53	51.1
2	53	50.7
3	52	50.9
4	52	50.6
5	51	48.6
6	50	50.9
7	50	51.4
8	49	51.5
9	47	51.2
10	47	50.8
11	48	50.8
12	47	50.8
13	47	50.6
14	46	50.2
15	45	49.7
16	44	49
17	43	48.1
18	42	47.9
19	42	47.8
20	42	47.8
21	43	47.3
22	43	47.2
23	43	47
24	43	46.9
25	43	46.8
26	43	46.4
27	43	46.3
28	43	46.1
29	44	46.2
30	44	46.3
31	44	46.3

Lake Oroville Temperature Profile on December 17, 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)

December 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 Permit	Deliveries Article 21	Deliveries Settlement
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	2,915				
		Travis Surge Tank	8.78						
			8.80	Solano County Water Agency Travis AFB	127		127		
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	389				389
				Solano County Water Agency Fairfield / Vacaville 42"	378				378
2			17.00	Solano County Water Agency Central Solano	Stub				
3A		Cordelia Forebay	21.23						
		Cordelia Pumping Plant & Cordelia Spillway	21.30		1,987				
	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	112		1/ 112		
				Solano County Water Agency Benicia	869				869
3B		Cordelia Surge Tank	23.33						
		Creston Surge Tank Connection	25.65						
			26.95	Napa County Flood Control & WCD American Canyon 2	0				
			27.27	Napa County Flood Control & WCD American Canyon 3	0				
		Napa Terminal Tank	27.58	City of Napa	846	846			
			27.60	Napa County Flood Control & WCD American Canyon 1	160	160			

1/ Includes 2 AF of Solano Permit sold to Napa.

Table 9. Delta Field Division Plant Data

(in acre-feet) **December 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	129	90	2,847	2,847	0	0	0	176
2	150	117	2,857	2,857	0	0	0	180
3	133	97	2,828	2,828	0	0	0	155
4	96	62	2,858	2,858	0	0	0	198
5	85	61	2,334	2,334	0	0	0	187
6	86	63	2,323	2,323	0	0	0	168
7	94	63	1,872	1,872	0	0	0	175
8	89	62	1,872	1,872	0	0	0	200
9	94	61	1,872	1,872	0	0	0	200
10	99	65	2,808	2,808	0	0	0	169
11	87	60	2,125	2,125	0	0	0	172
12	92	59	2,197	2,197	0	0	0	172
13	91	61	2,485	2,485	0	0	0	172
14	77	62	2,427	2,427	0	0	0	189
15	87	60	2,685	2,685	0	0	0	180
16	95	61	2,687	2,687	0	0	0	158
17	96	58	2,330	2,330	0	0	0	136
18	98	61	2,319	2,319	0	0	0	120
19	94	61	2,256	2,256	0	0	0	130
20	82	57	2,783	2,783	0	0	0	130
21	85	62	2,811	2,811	0	0	0	145
22	85	58	1,618	1,618	0	0	0	150
23	85	57	1,961	1,961	0	0	0	148
24	93	63	2,760	2,760	0	0	0	142
25	88	56	2,893	2,893	0	0	0	141
26	82	55	2,676	2,676	0	0	0	145
27	75	57	2,928	2,928	0	0	0	149
28	84	59	2,853	2,853	0	0	0	149
29	90	59	3,548	3,548	0	0	0	137
30	91	60	4,215	4,215	0	0	0	149
31	103	60	4,998	4,998	0	0	0	153
Total	2,915	1,987	82,026	82,026	0	0	0	4,975

Table 10. Clifton Court Forebay

Daily Operation of Gates

December 2008

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	6:00	15:15	17:30					2,955
2	0:03	6:45							2,964
3	0:15	7:15	16:45	19:45					2,957
4	2:15	8:00	17:50	18:55					2,966
5	3:00	5:20	6:30	8:45	18:15	20:50			2,958
6	4:15	5:15	18:45	20:40					1,978
7	5:45	10:00	19:15	21:15					1,959
8	7:15	10:45							1,979
9	8:30	12:05							1,980
10	9:45	12:37							1,969
11	1:25	2:15	10:45	12:45					1,974
12	0:01	1:15	11:45	13:55					1,974
13	0:01	2:15	3:05	4:00	12:45	14:50			2,378
14	0:01	5:00							2,362
15	0:01	5:45							2,363
16	2:00	5:00							2,365
17	1:30	7:30	16:51	17:30					2,351
18	2:45	6:39							2,362
19	4:00	8:40							2,364
20	5:15	9:45							2,955
21	6:30	10:30							2,961
22	7:45	11:15							2,961
23	0:01	0:45	6:30	10:00					2,950
24	0:51	1:45	4:45	7:59					2,954
25	0:01	2:30	5:30	7:58					2,957
26	0:01	3:15	6:15	7:25					2,461
27	0:01	4:00	7:00	10:50					2,907
28	0:01	4:30	7:30	14:00					2,960
29	0:01	6:00	8:00	10:00	13:44	15:26			3,935
30	0:01	5:45	8:45	11:32					3,979
31	0:01	6:15	9:15	14:59					4,998
								Total inflow for the month in AF:	84,136

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

December 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 General Conveyance	Deliveries Local	Deliveries Other
1A			1.83	Byron-Bethany I.D.	0					
1		Banks Pumping Plant	3.32		82,026					
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	0					
		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	20		20			
		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	0					
			42.9	Western Hills WD	41			41		
			43.81	Oak Flat Water District-B	0					
			44.64	Oak Flat Water District-C	2	2				
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	0					
2B				Oak Flat Totals:	2	2	0	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	5					5
		Check No. 12	66.71		80,526					

Table 12. South Bay Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

December 2008

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	Local	Recovery 1/	Transfer	Recreation
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	0					
			3.17	Granite - Vasco Rd. (Temp.)	0					
			3.18	Oakland Scavenger Zone 7	0					
		Check No. 1	3.91							
	2	Check No. 2	5.21							
	3		7.21	Zone 7 Water Agency Altamont	0					
2		Check No. 3	9.49	Zone 7 Water Agency Patterson						
				Inflow Exchange	0					
				Project Water	0					
4	4	Check No. 4	10.68							
	5	Check No. 5	12.29							
	6		13.55	Zone 7 Water Agency Wente #1	0					
			14.16	Zone 7 Water Agency Wente #2	0					
			14.31	Zone 7 Water Agency Ising	0					
		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	4	4				
			16.69	Zone 7 Water Agency Norman Nursery	0					
			16.70	Zone 7 Water Agency Concannon Project Water	0					
5		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	0					
				Pumped into South Bay Aqueduct	0					
				Gravity into South Bay Aqueduct	4,975					
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2						
				Project Water	73	73				
				Inflow Release	173		173			
				East Bay Regional Park Dist. Del Valle Recreation	2					2
				Zone 7 Water Agency Wente #5	4	4				
6			19.20	Zone 7 Water Agency So. Livermore Project						
				Storage Exchange	0					
				Project Water	1,789	1,289		500		
			19.21	Zone 7 - Kalthrof Detjens	5	5				
7		La Costa Tunnel	22.50	ACWD - Vallecitos Project Water	40	40				
			25.97	City of San Francisco San Antonio	0					
8		Mission Tunnel	28.97	ACWD - Bayside 1 & 2						
				Project Water	323	103		220		
				Storage Exchange	0					
9		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	2,365	2,294		71		

1/ Semitropic Bank Recovery

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft (in acre-feet except as noted) **December 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	
Nov 30	695.89	35,078									
1	695.62	34,903	-175	4	0	0	176	1	3	180	0.00
2	695.34	34,721	-181	2	0	0	180	1	2	183	0.00
3	695.07	34,547	-174	-17	0	0	155	0	2	157	0.00
4	694.78	34,361	-186	14	0	0	198	0	2	200	0.00
5	694.49	34,175	-186	4	0	0	187	0	3	190	0.00
6	694.21	33,996	-179	-7	0	0	168	0	3	171	0.00
7	693.93	33,818	-178	-1	0	0	175	0	3	178	0.00
8	693.62	33,621	-197	5	0	0	200	0	1	201	0.00
9	693.31	33,425	-196	6	0	0	200	0	2	202	0.00
10	693.06	33,268	-157	14	0	0	169	0	2	171	0.00
11	692.78	33,092	-176	0	0	0	172	0	4	176	0.00
12	692.48	32,905	-188	-12	0	0	172	0	3	175	0.00
13	692.21	32,736	-168	5	0	0	172	0	1	173	0.03
14	691.97	32,587	-149	44	0	0	189	0	4	193	0.00
15	691.73	32,439	-149	33	0	0	180	0	1	181	0.64
16	691.48	32,284	-154	5	0	0	158	0	1	159	0.26
17	691.28	32,161	-123	14	0	0	136	0	1	137	0.05
18	691.09	32,045	-117	5	0	0	120	0	1	121	0.00
19	690.89	31,922	-122	8	0	0	130	0	1	131	0.07
20	690.69	31,800	-122	9	0	0	130	0	1	131	0.01
21	690.47	31,666	-134	13	0	0	145	0	2	147	0.00
22	690.23	31,521	-146	5	0	0	150	0	0	150	0.31
23	690.01	31,387	-133	16	0	0	148	0	1	149	0.10
24	689.77	31,243	-145	-3	0	0	142	0	0	142	0.02
25	689.62	31,153	-90	52	0	0	141	0	1	142	0.65
26	689.40	31,021	-132	15	0	0	145	0	2	147	0.00
27	689.15	30,874	-147	4	0	0	149	0	2	151	0.00
28	688.91	30,728	-146	5	0	0	149	0	2	151	0.00
29	688.69	30,597	-131	9	0	0	137	0	2	139	0.00
30	688.45	30,455	-142	8	0	0	149	0	1	150	0.00
31	688.21	30,314	-142	14	0	0	153	0	2	155	0.00
Total			-4,764	271	0	0	4,975	2	58	5,035	2.14

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

December 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/	
Nov 30	219.70	42,376										
1	220.55	44,583	2,207	0	758	0	1,290	0	715	252	10	42
2	221.25	46,416	1,833	0	767	0	1,406	0	1,745	303	10	809
3	221.04	45,865	-551	0	1,287	0	1,467	0	2,902	300	10	180
4	221.83	47,940	2,075	0	1,563	0	1,717	0	2,379	152	10	307
5	221.07	45,944	-1,996	0	1,439	0	1,001	0	3,239	208	10	11
6	220.86	45,394	-550	0	1,347	0	1,224	0	3,262	0	10	424
7	220.56	44,609	-785	0	1,367	0	847	0	2,283	507	10	190
8	221.04	45,865	1,256	0	1,529	0	1,171	0	1,773	383	10	99
9	221.36	46,705	840	0	1,661	370	878	0	1,780	428	10	-268
10	222.21	48,942	2,237	0	1,560	370	1,505	0	2,495	453	1	642
11	222.27	49,102	160	0	1,575	432	1,036	0	2,371	630	1	40
12	222.21	48,942	-160	0	1,626	0	1,038	0	1,908	927	1	91
13	222.13	48,730	-212	0	1,104	0	1,101	0	1,872	596	1	157
14	221.81	47,887	-843	0	861	124	1,044	0	1,132	1,427	1	106
15	222.20	48,916	1,029	0	800	373	1,213	0	1,699	312	2	146
16	222.95	50,913	1,997	0	780	0	1,175	0	755	321	2	130
17	223.18	51,527	614	0	800	0	1,155	0	1,132	537	2	26
18	222.51	49,740	-1,787	0	801	0	984	0	2,776	210	2	302
19	222.75	50,379	639	0	779	0	982	0	750	841	1	153
20	223.19	51,554	1,175	0	787	0	1,401	0	750	856	1	11
21	223.07	51,233	-321	0	800	0	1,286	0	0	2,141	1	-106
22	223.55	52,518	1,285	0	800	0	1,141	0	378	1,007	1	93
23	221.88	48,071	-4,447	0	856	0	1,056	0	2,839	1,566	1	252
24	222.59	49,953	1,882	0	879	0	1,735	0	740	1,006	1	82
25	221.88	48,071	-1,882	0	876	0	1,732	0	1,831	1,763	1	38
26	222.18	48,863	792	0	893	0	1,090	0	0	1,543	1	-40
27	222.41	49,474	611	0	893	0	1,527	0	863	1,142	1	-106
28	221.07	45,944	-3,530	0	907	0	1,384	0	1,957	2,450	1	337
29	221.38	46,758	814	0	915	0	1,471	0	730	1,286	1	41
30	222.79	50,486	3,728	0	1,416	0	2,213	0	1,461	556	2	270
31	224.20	54,266	3,780	0	2,042	0	2,330	0	1,719	788	2	43
Total			11,890	0	34,468	1,669	40,600	0	50,236	24,891	118	4,502
Mean cfs			- - -	0	1,112	54	1,310	0	1,621	803	4	145
Acre-feet			11,890	0	68,363	3,308	80,526	0	99,647	49,372	234	8,946

1/ Pump-in located at Mile 79.67R.

2/ Includes 100 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks & Rec., and 133 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

December 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)	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 1/	Parks and Rec. Del.	
Nov 30	385.22	410,393						
1	385.36	411,411	1,018	715	0	188	0	-14
2	385.56	412,867	1,456	1,745	0	190	0	-821
3	386.11	416,881	4,014	2,902	0	192	0	-686
4	386.69	421,130	4,249	2,379	0	175	0	-62
5	387.44	426,647	5,517	3,239	0	167	0	-291
6	388.18	432,116	5,469	3,262	0	177	0	-328
7	388.66	435,677	3,561	2,283	0	170	0	-318
8	389.04	438,504	2,827	1,773	0	178	0	-170
9	389.30	440,442	1,938	1,780	370	170	0	-263
10	389.70	443,430	2,988	2,495	370	181	0	-438
11	390.10	446,426	2,996	2,371	432	181	0	-248
12	390.50	449,428	3,002	1,908	0	179	0	-216
13	390.88	452,288	2,860	1,872	0	165	0	-265
14	391.06	453,645	1,357	1,132	124	161	0	-163
15	391.39	456,136	2,491	1,699	373	152	0	82
16	391.49	456,892	756	755	0	162	0	-212
17	391.70	458,481	1,589	1,132	0	154	0	-177
18	392.28	462,880	4,399	2,776	0	101	0	-457
19	392.42	463,945	1,065	750	0	110	0	-103
20	392.54	464,858	913	750	0	157	0	-133
21	392.49	464,477	-381	0	0	165	0	-27
22	392.52	464,705	228	378	0	174	0	-89
23	393.10	469,127	4,422	2,839	0	184	0	-426
24	393.22	470,043	916	740	0	179	0	-99
25	393.60	472,951	2,908	1,831	0	169	0	-196
26	393.54	472,491	-460	0	0	165	0	-67
27	393.64	473,257	766	863	0	165	0	-312
28	394.02	476,172	2,915	1,957	0	166	0	-321
29	394.16	477,247	1,075	730	0	180	0	-8
30	394.40	479,093	1,846	1,461	0	183	0	-347
31	394.52	480,017	924	1,719	0	218	1	-1,035
Total			69,624	50,236	1,669	5,258	1	-8,210
Mean cfs			- - -	1,621	54	170	0	-265
Acre-feet			69,624	99,647	3,308	10,431	1	-16,283

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 10,207 AF, Casa De Fruta 0 AF, and San Benito 224 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet) **December 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	500	-4	0	0	1,418	1,418	372
2	601	261	0	0	3,461	3,461	376
3	595	595	0	0	5,757	2,634	380
4	301	301	0	0	4,719	1,665	347
5	413	413	0	0	6,425	3,436	331
6	0	0	0	0	6,470	3,397	351
7	1,006	1,006	0	0	4,529	3	338
8	759	759	0	0	3,517	488	354
9	849	849	734	734	3,531	490	338
10	898	898	734	734	4,949	1,911	360
11	1,249	1,249	856	856	4,703	1,697	359
12	1,838	1,255	0	0	3,785	1,465	356
13	1,183	588	0	0	3,714	1,447	327
14	2,830	2,306	245	245	2,246	2	319
15	619	42	739	739	3,369	1,109	301
16	637	58	0	0	1,498	1,498	321
17	1,065	459	0	0	2,246	2,246	306
18	417	-190	0	0	5,507	3,233	201
19	1,669	1,077	0	0	1,488	1,488	218
20	1,698	1,097	0	0	1,488	1,488	311
21	4,246	3,703	0	0	0	0	327
22	1,998	1,433	0	0	749	749	345
23	3,107	2,540	0	0	5,631	1,826	365
24	1,996	1,414	0	0	1,468	1,468	356
25	3,496	2,963	0	0	3,631	-119	336
26	3,060	2,488	0	0	0	0	327
27	2,266	1,683	0	0	1,712	1,712	328
28	4,860	4,335	0	0	3,881	1,644	329
29	2,550	1,977	0	0	1,448	10	357
30	1,103	511	0	0	2,898	1,423	362
31	1,563	976	0	0	3,409	1,956	433
Total	49,372	37,042	3,308	3,308	99,647	45,245	10,431

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

December 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	
Nov 30	322.93	18,358					
1	322.92	18,354	-4	0	0	0	-4
2	322.92	18,354	0	0	0	0	0
3	322.93	18,358	4	2	0	0	0
4	322.91	18,349	-9	0	0	0	-9
5	322.90	18,345	-4	0	0	0	-4
6	322.89	18,340	-5	0	0	0	-5
7	322.89	18,340	0	0	0	0	0
8	322.89	18,340	0	0	0	0	0
9	322.88	18,336	-4	0	0	0	-4
10	322.88	18,336	0	0	0	0	0
11	322.88	18,336	0	0	0	0	0
12	322.88	18,336	0	0	0	0	0
13	322.86	18,327	-9	0	0	0	-9
14	322.86	18,327	0	0	0	0	0
15	322.91	18,349	22	11	0	0	0
16	322.92	18,354	5	3	0	0	-1
17	322.92	18,354	0	0	0	0	0
18	322.91	18,349	-5	0	0	0	-5
19	322.90	18,345	-4	0	0	0	-4
20	322.90	18,345	0	0	0	0	0
21	322.91	18,349	4	2	0	0	0
22	322.91	18,349	0	0	0	0	0
23	322.91	18,349	0	0	0	0	0
24	322.90	18,345	-4	0	0	0	-4
25	322.90	18,345	0	0	0	0	0
26	322.88	18,336	-9	0	0	0	-9
27	322.86	18,327	-9	0	0	0	-9
28	322.87	18,331	4	2	0	0	0
29	322.88	18,336	5	3	0	0	-1
30	322.87	18,331	-5	0	0	0	-5
31	322.86	18,327	-4	0	0	0	-4
Total			-31	23	0	0	-77
Mean cfs			- - -	1	0	0	- - -
Acre-feet			-31	46	0	0	-77

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

December 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) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Nov 30	600.50	709					
1	600.50	709	0	0	0	0	0
2	600.50	709	0	0	0	0	0
3	600.50	709	0	0	0	0	0
4	600.50	709	0	0	0	0	0
5	600.50	709	0	0	0	0	0
6	600.50	709	0	0	0	0	0
7	600.50	709	0	0	0	0	0
8	600.50	709	0	0	0	0	0
9	600.50	709	0	0	0	0	0
10	600.50	709	0	0	0	0	0
11	600.50	709	0	0	0	0	0
12	600.50	709	0	0	0	0	0
13	600.50	709	0	0	0	0	0
14	600.50	709	0	0	0	0	0
15	600.50	709	0	0	0	0	0
16	600.50	709	0	0	0	0	0
17	600.50	709	0	0	0	0	0
18	600.50	709	0	0	0	0	0
19	600.50	709	0	0	0	0	0
20	600.50	709	0	0	0	0	0
21	600.50	709	0	0	0	0	0
22	600.50	709	0	0	0	0	0
23	600.50	709	0	0	0	0	0
24	600.50	709	0	0	0	0	0
25	600.50	709	0	0	0	0	0
26	600.50	709	0	0	0	0	0
27	600.50	709	0	0	0	0	0
28	600.50	709	0	0	0	0	0
29	600.50	709	0	0	0	0	0
30	600.50	709	0	0	0	0	0
31	600.50	709	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			- - -	0	0	0	- - -
Acre-feet			0	0	0	0	0

1/ Not available on a daily basis.

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet) **December 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		80,526				
3A		San Luis Reservoir		Department of Parks and Recreation	1			1	0
				San Felipe Division Santa Clara Water District	10,207	10,207			
				Casa de Fruta Santa Clara Water District	0				
				San Felipe Division San Benito Water District	224	224			
				Reach 3A Subtotal:	10,432	10,431	0	1	0
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	1			1	0
				Cattle Program	0				
				Department of Fish & Game	100			55	45
			70.91 Thru 85.08	San Luis Water District	133	133			
				(Floodwater Inflow)	0				
				Reach 3 Subtotal:	234	133	0	56	45
		Dos Amigos Pumping Plant	86.73		49,372				
4	14		89.03 Thru 94.06	San Luis Water District	6	6			
			89.66 Thru 89.67	Pacheco Water District	53	53			
			89.68	Panoche Water District	34	34			
			89.70	City of Dos Palos	36	36			
		Check No. 14	95.06						
	15		98.15 Thru 104.20	San Luis Water District	22	22			
			96.15 Thru 102.64	Panoche Water District	293	293			
				(Floodwater Inflow)	0				
			102.64	Broadview Water District	0				
			105.22 Thru 108.64	Westlands Water District	447	270	1/ 177		
		Check No.15	108.50						
				Reach 4 Subtotal:	891	714	177	0	0
				San Felipe Division Total:	10,431	10,431	0	0	0
				Pacheco Water District Total:	53	53	0	0	0
				Broadview Water District Total:	0	0	0	0	0
				City of Dos Palos Total:	36	36	0	0	0
				SLWD Reach 4 Subtotal:	28	28	0	0	0
				Panoche Water District Total:	327	327	0	0	0
				SLWD Total:	161	161	0	0	0
				Westlands WD Reach 4 Subtotal:	447	270	177	0	0

1/ Table A Transfer from Tulare Lake Basin WSD to Westlands Water District.

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 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	1,014	1,014			
			Thru	Dept. of Fish and Game @ Lat. 4L	0				
			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	583	583			
		Check No. 17	132.95						
	18		133.81 Thru 142.61	Westlands Water District	1,419	1,419			
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	386	386			
			143.16	City of Coalinga	432	432			
		Check No. 18	143.23						
				Reach 5 Subtotal:	3,834	3,834	0	0	0
6	19		145.26 Thru 151.19	GWF Energy	2		2		
				City of Huron	0				
				SWP Construction @ Lat. 24R	0				
				Kings County to Lemoore NAS Through WWD	0				
				Kings County through WWD 30L	0				
				Westlands Water District	1,323	1,323			
		Check No. 19	155.64						
				Reach 6 Subtotal:	1,325	1,323	2	0	0
7	20		156.34	City of Huron	56	56			
			156.40	SWP Construction @ Lat. 24R	0				
			Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0				
			163.69	Westlands Water District	367	367			
		Check No. 20	164.69						
	21		164.79	City of Avenal	173	173			
			167.04 Thru 171.67	Westlands Water District	215	215			
		Check No. 21	172.40		39,404				
				Reach 7 Total:	811	811	0	0	0
				SWP Construction Total:	0	0	0	0	0
				Westlands WD Total:	5,754	5,577	177	0	0
				City of Coalinga Total:	432	432	0	0	0
				City of Huron Total:	56	56	0	0	0
				Kings County to Lemoore NAS Through WWD	0	0	0	0	0
				City of Avenal Total:	173	173	0	0	0
				Total San Luis Field Division Deliveries:	17,527	17,246	179	56	46

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

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

Daily Operations

December 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	
Nov 30	28,075								
1	27,579	-496	0	252	1	5	104	329	-63
2	27,310	-269	0	303	1	5	104	312	-17
3	27,330	20	0	300	1	5	104	196	16
4	27,136	-194	0	152	2	5	121	134	12
5	26,855	-281	0	208	2	5	121	66	-156
6	25,911	-944	0	0	2	5	121	352	4
7	26,385	474	0	507	2	5	121	78	-62
8	26,520	135	0	383	2	5	121	85	-102
9	26,696	176	0	428	2	5	121	148	-64
10	27,014	318	0	453	2	5	121	37	-128
11	27,348	334	0	630	2	5	121	183	-151
12	27,463	115	0	927	2	5	121	657	-84
13	26,985	-478	0	596	2	5	117	675	-38
14	27,307	322	0	1,427	2	5	117	1,184	44
15	26,841	-466	0	312	2	5	111	51	-378
16	26,916	75	0	321	2	5	111	146	-19
17	26,870	-46	0	537	2	5	111	452	10
18	26,785	-85	0	210	2	5	99	126	-21
19	27,067	282	0	841	2	5	99	540	-52
20	26,972	-95	0	856	2	5	99	698	-100
21	27,622	650	0	2,141	2	5	99	1,598	-109
22	26,489	-1,133	0	1,007	2	6	99	1,533	61
23	27,484	995	0	1,566	2	6	99	916	-41
24	27,606	122	0	1,006	2	6	99	852	14
25	26,948	-658	0	1,763	2	6	82	1,902	-103
26	27,288	340	0	1,543	2	6	82	1,175	-106
27	27,174	-114	0	1,142	2	6	82	1,018	-92
28	27,509	335	0	2,450	2	6	82	2,125	-66
29	27,383	-126	0	1,286	2	6	82	1,184	-75
30	27,016	-367	0	556	2	6	82	520	-131
31	27,032	16	0	788	2	6	82	592	-98
Total		-1,043	0	24,891	59	165	3,235	19,866	-2,092
Mean cfs		- - -	0	803	2	5	104	641	-67
Acre-feet		-1,043	0	49,371	117	327	6,417	39,404	-4,149

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

2/ Includes 53 AF to Pacheco W.D., 36 AF to the City of Dos Palos and 28 AF to San Luis Water District.

3/ Includes 56 AF to the City of Huron, 173 AF to the City of Avenal, 432 AF to the City of Coalinga, 0 AF to Huron P&R @ 22R, 0 AF to Lemoore N.A.S. @ 30L, 2 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L,0 AF to DFG @ 4L,0 AF to Mendota Water Fowl Habitat Area @ 6L,0 AF to DFG @ 7L, 0 AF to Non-Project Water, 5,368 AF to Westlands Water District and 386 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

December 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	42	48	35	32	36	1,893	1,745	1,614	1,544
2	38	45	38	43	40	1,802	1,601	1,481	1,500
3	43	46	34	31	35	1,389	1,282	1,213	1,233
4	20	25	33	30	33	1,236	978	903	966
5	40	47	31	28	34	794	684	649	655
6	57	64	34	31	36	635	839	769	818
7	57	62	45	42	48	688	984	843	982
8	44	51	32	31	33	794	718	646	655
9	34	40	34	31	35	799	723	620	655
10	49	54	34	32	36	794	694	615	739
11	40	43	23	21	25	741	752	666	663
12	30	33	21	20	22	1,653	1,560	1,493	1,511
13	38	43	30	28	32	1,937	1,982	1,776	1,866
14	53	61	35	32	35	3,253	3,463	3,320	3,274
15	25	29	20	19	22	1,207	1,170	1,072	1,118
16	28	33	26	24	27	1,522	1,673	1,558	1,500
17	22	27	22	20	23	2,012	1,846	1,800	1,906
18	15	19	15	14	16	1,101	1,111	1,016	1,072
19	28	33	30	27	31	2,117	2,358	2,306	2,204
20	15	18	18	16	19	2,159	2,209	2,085	2,176
21	19	20	39	34	40	4,620	4,792	4,691	4,727
22	37	41	23	21	24	3,381	4,170	4,027	4,026
23	44	49	14	13	14	2,946	3,169	3,054	3,003
24	24	28	24	21	24	3,227	3,511	3,419	3,500
25	27	35	24	21	23	4,571	5,049	4,854	4,859
26	22	24	24	21	26	3,775	3,846	3,728	3,776
27	28	31	30	27	30	3,454	3,768	3,628	3,604
28	36	39	29	27	30	5,673	5,941	5,790	5,801
29	17	22	22	19	23	3,442	3,689	3,548	3,561
30	24	30	19	17	20	2,586	2,890	2,715	2,640
31	21	24	21	19	21	2,258	2,656	2,551	2,646
Total	1,018	1,164	859	792	893	68,459	71,854	68,449	69,179

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

December 2008

Reach No.	Operating Pool Beginning and Ending			Turnout	Total Diver-sions	Deliveries				
	No.	Structure	Mile			Table A	USBR	Recovery 1/	Transfer	Other
7	21	Check No. 21	172.40		39,404					
8C	22		172.66	Empire West Side ID TL - A	0					
				County of Kings TL - A	0					
				Tulare Lake Basin WSD TL-A	0					
8D			175.18	Dudley Ridge WD - 1	0					
			177.54	Dudley Ridge WD - 1B	4	4				
			180.64	Tulare Lake Basin WSD - C	0					
			180.65	Dudley Ridge WD - 1A	0					
			182.99	Dudley Ridge WD - 2	2	2				
			183.00	Tulare Lake Basin WSD TL - B	0					
				County of Kings TL-B	0					
			184.00	Dudley Ridge WD - Paramount	0					
31A			184.63	Coastal Branch	1,018					
8D			184.78	Dudley Ridge WD - 3	0					
				Dudley Ridge Reach 8D Total:	6	6	0	0	0	0
				Tulare Lake Basin WSD Total:	0	0	0	0	0	0
		Check No. 22	184.82							
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	36			36		
			191.18	Kern County Water Agency Lost Hills Water Dist. - 2	0					
			194.22	Kern County Water Agency Lost Hills Water Dist. - 3	0					
			196.40	Kern County Water Agency Berrenda Mesa - 2	5			5		
			196.75	Kern County Water Agency Lost Hills Water Dist. - 4	0					
				KCWA Reach 9 Subtotal:	41	0	0	41	0	0
		Check No. 23	197.05							
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	73			73		
			202.05	Kern County Water Agency Lost Hills Water Dist. - 5	6			6		
			204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0					
			205.26	Kern County Water Agency Lost Hills Water Dist. - 8	1			1		
		Check No. 24	207.94							
	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	13			13		
			209.78	Kern National Wildlife Refuge USBR BV-1B	4,154		4,154			
				Kern County Water Agency Buena Vista WSD 1B	0					
			209.80	KCWA Semitropic WSD	0					
				KCWA Semitropic WSD Penstocks	0					
				USBR Total:	4,154	0	4,154	0	0	0
				KCWA Reach 10A Subtotal:	93	0	0	93	0	0

1/ Recovery of same contractors pump-in.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

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

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	Recovery 1/	Transfer	Other
11B	25		210.75	Kern County Water Agency Belridge - 2	0					
			214.11	Kern County Water Agency Belridge - 3	611			611		
			216.62	Kern County Water Agency Belridge - 4	0					
			217.13	Kern County Water Agency Belridge - 5A-C	448			448		
				Kern County Water Agency Belridge - 5D	102			102		
		Check No. 25	217.79							
				KCWA Reach 11B Subtotal:	1,161	0	0	1,161	0	0
12D	26		219.58	Kern County Water Agency Belridge - 6	0					
				Kern County Water Agency West Kern - 3	322			322		
		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					
				DRWD CVC	0					
				Tulare Co.	0					
				Lower Tule River	0					
				Fresno Co.	0					
				Pixley ID	0					
				Hacienda DWR Wells	0					
		Check No. 28	238.11							
				2/ 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		68,459					
				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	19			19		

1/ Recovery of same contractors pump-in.

2/ 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) **December 2008**

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	Recovery 1/	Transfer	Other
14A	31	Check No. 31	256.14							
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	110			110		
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	148			148		
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	277	0	0	277	0	0
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	285			285		
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	31			31		
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	437			437		
		Check No. 34	271.27							
				Reach 14B Total:	753	0	0	753	0	0
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	311			311		
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	114			114		
			277.30	Kern County Water Agency Arvin-Edison WSD	0					
				Reach 14C Total:	425	0	0	425	0	0
15A		Teerink Pumping Plant	278.13		71,854					
	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	121			121		
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	277			277		
				Reach 15A Total:	398	0	0	398	0	0
16A		Chrisman Pumping Plant	280.36		68,449					
	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	10			10		
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	1			1		
			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	20			20		
		Check No. 39	290.21							
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	336			336		
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	13			13		
				Kern County Water Agency Tehachapi Cummings CWD	10			10		
				KCWA Reach 16A Subtotal:	390	0	0	390	0	0
17E		Edmonston Pumping Plant	293.45		69,179					

1/ Recovery of same contractors pump-in.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

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

Reach No.	Operating Pool Beginning and Ending No.	Structure	Mile	Turnout	Total Diver-sions	Deliveries Table A	USBR	Recovery 1/	Transfer	Other
31A	C-1	Coastal Branch Control	0.02		1,018					
		Las Perillas Pumping Plant	1.16		1,018					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		1,164					
	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	0					
			14.83	Kern County Water Agency Berrenda Mesa - 1	126			126		
				Kern County Water Agency Berrenda Mesa - PO	0					
		Devil's Den Pumping Plant	14.86		859					
				KCWA Reach 31A Subtotal:	126	0	0	126	0	0
				KCWA Total:	3,986	0	0	3,986	0	0
33A	C-7	Bluestone Pumping Plant	19.05		792					
	C-8	Polonio Pass Pumping Plant	26.54		893					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0					
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	671	177			2/ 494	
		Tank Site 2	58.63	Central Coast:	0					
	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	232	232				
		Energy Dissipater	78.12							
34	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0					
				CCWA Total:	903	409	0	0	494	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 contractors pump-in.

2/ Transfer of San Luis Obispo's 2008 Table A water to Santa Barbara County.

Table 24. Southern Field Division Plant Data

(in acre-feet)

December 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	739	937	0	0	2,262	0	861	0	0	752	723	0	0	662	61	49	10
2	631	863	0	0	2,227	0	311	0	0	752	855	0	0	734	61	49	26
3	616	541	0	0	2,735	586	707	0	0	627	601	0	0	588	54	49	26
4	466	732	0	0	2,424	0	379	0	0	214	150	0	0	357	45	45	14
5	450	712	0	0	3,275	561	25	0	0	0	0	0	16	178	35	37	15
6	622	555	0	0	360	604	28	0	0	0	0	0	0	170	20	19	15
7	748	744	0	0	749	993	384	0	0	273	230	0	0	193	0	0	13
8	440	566	0	0	3,828	957	240	0	0	137	141	0	0	402	53	51	13
9	568	979	0	0	3,547	0	94	0	0	0	19	0	0	391	38	38	13
10	666	853	0	0	2,879	0	131	0	0	93	19	0	0	364	38	38	10
11	581	994	0	0	3,025	0	130	0	0	0	18	0	0	376	38	38	10
12	1,413	2,248	0	0	2,219	0	19	0	0	0	20	0	0	382	30	29	10
13	1,837	2,295	0	0	494	0	19	0	0	0	0	0	0	348	15	14	8
14	2,795	2,327	0	0	1,185	0	434	0	0	351	308	0	0	318	0	0	0
15	741	1,398	0	0	1,371	0	431	0	0	292	106	0	0	278	28	26	3
16	1,522	1,471	0	0	1,997	0	243	0	0	186	150	0	0	241	28	27	0
17	1,582	1,248	0	0	2,116	0	172	0	0	279	18	0	0	323	26	26	0
18	896	1,707	0	0	1,797	0	300	0	0	117	301	0	0	326	14	14	0
19	2,056	1,349	0	0	2,275	876	135	0	0	116	215	0	0	311	26	26	0
20	1,992	1,520	0	0	2,184	509	135	0	0	115	234	0	0	303	23	23	0
21	4,018	3,276	0	0	863	0	831	0	0	756	745	0	0	279	0	0	0
22	3,649	3,264	0	0	183	1,183	468	0	0	437	333	0	0	627	26	26	0
23	2,836	3,154	0	0	1,674	576	239	0	0	184	174	0	0	869	26	26	0
24	3,193	3,303	0	0	1,836	1,017	337	0	0	297	207	0	0	388	19	19	0
25	4,504	3,296	0	0	1,677	1,048	336	0	0	254	310	0	0	355	0	0	0
26	3,362	3,290	0	0	3,489	740	442	0	0	405	321	0	0	374	25	25	0
27	3,209	3,289	0	0	622	0	418	0	0	345	310	0	0	365	26	26	0
28	4,504	3,286	0	0	1,180	0	1,439	0	0	1,299	1,247	0	0	318	0	0	0
29	3,199	3,282	0	0	1,044	922	475	0	0	437	542	0	0	366	20	21	0
30	2,421	3,280	0	0	2,616	635	273	0	0	183	194	0	0	252	26	26	0
31	2,422	3,229	0	0	3,042	0	274	0	0	216	191	0	0	176	19	19	0
Total	58,678	59,988	0	0	61,175	11,207	10,710	0	0	9,117	8,682	0	16	11,614	820	786	186

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) **December 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	
Nov 30	2570.87	160,859										
1	2569.46	159,109	-1,750	0	937	0	35	2,262	0	40	109	-311
2	2567.59	156,808	-2,301	0	863	0	33	2,227	0	40	109	-821
3	2565.84	154,673	-2,135	586	541	0	30	2,735	0	40	109	-408
4	2564.15	152,629	-2,044	0	732	0	29	2,424	0	40	109	-232
5	2561.79	149,802	-2,827	561	712	0	28	3,275	0	40	109	-704
6	2562.45	150,590	788	604	555	0	26	360	0	40	109	112
7	2563.71	152,099	1,509	993	744	0	26	749	0	40	109	644
8	2561.74	149,743	-2,356	957	566	0	25	3,828	0	109	31	64
9	2559.31	146,867	-2,876	0	979	0	24	3,547	0	35	30	-267
10	2557.44	144,677	-2,190	0	853	0	23	2,879	0	20	30	-137
11	2555.12	141,987	-2,690	0	994	0	23	3,025	1	0	30	-651
12	2555.00	141,849	-138	0	2,248	0	23	2,219	0	30	0	-160
13	2556.49	143,572	1,723	0	2,295	0	22	494	0	30	0	-70
14	2557.53	144,782	1,210	0	2,327	0	22	1,185	0	30	0	76
15	2557.68	144,957	175	0	1,398	0	33	1,371	0	30	0	145
16	2557.02	144,188	-769	0	1,471	0	26	1,997	0	42	0	-227
17	2556.24	143,282	-906	0	1,248	0	38	2,116	0	42	0	-34
18	2555.85	142,831	-451	0	1,707	0	34	1,797	0	42	0	-353
19	2556.09	143,108	277	876	1,349	0	29	2,275	0	42	0	340
20	2555.97	142,969	-139	509	1,520	0	28	2,184	0	42	0	30
21	2558.23	145,600	2,631	0	3,276	0	26	863	0	42	0	234
22	2562.79	150,996	5,396	1,183	3,264	0	27	183	0	42	0	1,147
23	2564.73	153,328	2,332	576	3,154	0	30	1,674	0	42	0	288
24	2567.04	156,135	2,807	1,017	3,303	0	36	1,836	0	42	0	329
25	2569.44	159,085	2,950	1,048	3,296	0	79	1,677	0	56	0	260
26	2569.78	159,505	420	740	3,290	0	77	3,489	0	60	0	-138
27	2571.73	161,933	2,428	0	3,289	0	52	622	0	60	0	-231
28	2573.53	164,194	2,261	0	3,286	0	39	1,180	0	56	0	172
29	2575.65	166,885	2,691	922	3,282	0	37	1,044	0	41	0	-465
30	2576.10	167,460	575	635	3,280	0	35	2,616	0	40	0	-719
31	2576.24	167,639	179	0	3,229	0	35	3,042	0	40	0	-3
Total			6,780	11,207	59,988	0	1,030	61,175	1	1,295	884	-2,090

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

December 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/	
Nov 30	1511.67	19,832							
1	1516.96	21,963	2,131	2,262	0	0	0	0	-131
2	1517.48	22,179	216	2,227	0	0	0	2,011	0
3	1518.11	22,442	263	2,735	0	586	0	1,888	2
4	1521.64	23,944	1,502	2,424	0	0	0	920	-2
5	1520.55	23,475	-469	3,275	0	561	0	3,182	-1
6	1514.47	20,946	-2,529	360	0	604	0	2,287	2
7	1513.68	20,628	-318	749	0	993	0	0	-74
8	1515.40	21,323	695	3,828	0	957	0	2,176	0
9	1516.81	21,901	578	3,547	0	0	0	2,968	-1
10	1518.38	22,555	654	2,879	0	0	0	2,226	1
11	1518.44	22,581	26	3,025	0	0	0	2,999	0
12	1515.01	21,165	-1,416	2,219	0	0	0	3,635	0
13	1516.16	21,634	469	494	0	0	0	0	-25
14	1518.82	22,740	1,106	1,185	0	0	0	0	-79
15	1515.49	21,360	-1,380	1,371	0	0	0	2,752	1
16	1513.08	20,389	-971	1,997	0	0	0	2,967	-1
17	1518.23	22,492	2,103	2,116	0	0	0	0	-13
18	1515.82	21,494	-998	1,797	0	0	0	2,795	0
19	1514.58	20,990	-504	2,275	0	876	0	1,903	0
20	1518.55	22,627	1,637	2,184	0	509	0	0	-38
21	1520.57	23,484	857	863	0	0	0	0	-6
22	1518.22	22,488	-996	183	0	1,183	0	0	4
23	1514.70	21,039	-1,449	1,674	0	576	0	2,669	122
24	1516.00	21,568	529	1,836	0	1,017	0	0	-290
25	1517.42	22,154	586	1,677	0	1,048	0	0	-43
26	1518.20	22,480	326	3,489	0	740	0	2,425	2
27	1519.48	23,019	539	622	0	0	0	0	-83
28	1522.32	24,239	1,220	1,180	0	0	0	0	40
29	1515.87	21,515	-2,724	1,044	0	922	0	2,847	1
30	1520.22	23,334	1,819	2,616	0	635	0	0	-162
31	1520.20	23,326	-8	3,042	0	0	0	3,051	1
Total			3,494	61,175	0	11,207	0	45,701	-773

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

December 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				
Nov 30	1472.74	237,071							
1	1472.02	235,724	-1,347	0	0	1	1,370	0	22
2	1472.45	236,528	804	0	2,011	1	1,380	0	172
3	1472.74	237,071	543	0	1,888	1	1,378	0	32
4	1472.61	236,828	-243	0	920	1	1,353	8	197
5	1473.54	238,574	1,746	0	3,182	1	1,440	8	11
6	1473.98	239,402	828	0	2,287	1	1,397	8	-55
7	1473.25	238,029	-1,373	0	0	1	1,401	8	35
8	1473.65	238,781	752	0	2,176	1	1,337	8	-80
9	1474.46	240,308	1,527	0	2,968	1	1,372	8	-62
10	1474.89	241,121	813	0	2,226	1	1,320	8	-86
11	1475.70	242,656	1,535	0	2,999	1	1,280	8	-177
12	1476.93	244,997	2,341	0	3,635	1	1,242	0	-53
13	1476.22	243,644	-1,353	0	0	1	1,150	0	-204
14	1475.54	242,352	-1,292	0	0	1	1,108	0	-185
15	1476.49	244,158	1,806	0	2,752	20	1,109	0	143
16	1477.42	245,933	1,775	0	2,967	9	985	0	-216
17	1476.82	244,787	-1,146	0	0	10	913	0	-243
18	1477.77	246,603	1,816	0	2,795	10	925	12	-52
19	1478.18	247,389	786	0	1,903	5	887	8	-227
20	1477.62	246,316	-1,073	0	0	5	905	8	-165
21	1477.10	245,322	-994	0	0	4	921	8	-69
22	1476.54	244,253	-1,069	0	0	4	971	8	-94
23	1477.42	245,933	1,680	0	2,669	4	955	8	-30
24	1476.94	245,016	-917	0	0	4	945	8	32
25	1476.50	244,177	-839	0	0	15	906	8	60
26	1477.26	245,627	1,450	0	2,425	22	919	7	-71
27	1476.82	244,787	-840	0	0	11	815	6	-30
28	1476.45	244,082	-705	0	0	7	681	6	-25
29	1477.45	245,990	1,908	0	2,847	6	957	6	18
30	1476.78	244,711	-1,279	0	0	5	2,254	6	976
31	1476.95	245,033	322	0	3,051	5	2,512	6	-216
Total			7,962	0	45,701	160	37,088	169	-642

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) **December 2008**

Reach No.	Operating Pool Beginning and Ending			Turnout	Total Diver-sions	Deliveries					
	No.	Structure	Mile			Table A	Recreation	Recovery	Pool A	Local	Other
29A	42	Oso Pumping Plant	1.49		58,678						
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	(No flow through Gorman Creek Imp. Channel)	59,988						
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	1		1				
				United WA (T300)	884	884					
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0						
29J		Castaic Power Plant	25.82	(11,207 AF pumpback) 2/	61,175						
	W4	Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		California State Park Castaic Lake Recreation (T301)	0						
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.6	MWDSC 78" & 132" (T302)	35,568	19,983		3/ 15,585			
				Castaic Lake WA 18", 24" & 54" (T303)	1,398	298					4/ 1,100
				Castaic Lake WA Rio Vista T.P. (T304)	0						
				MWD-Ventura Co. WPD (T302)	122	122					
				Releases to Lagoon	169						
				Reach 30 Subtotal:	37,088	20,403	0	15,585	0	0	1,100
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0						
		Castaic Lagoon Outlet	31.9		169						

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/ Includes 13,040 AF of Semitropic Bank Recovery and 2,545 Af of Arvin Edison Recovery.

4/ Conveyance of non-project water from Castaic Lake WA to Kern County WA.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

December 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				
Nov 30	3352.08	72,143											
1	3352.07	72,140	-3	723	0	0	3	0	662	0	0	-61	6
2	3352.16	72,226	86	855	0	0	3	0	734	0	0	-32	6
3	3352.13	72,197	-29	601	0	0	3	0	588	0	1	-38	6
4	3351.82	71,901	-296	150	0	0	2	0	357	0	0	-87	6
5	3351.68	71,768	-133	0	16	0	1	0	178	0	1	31	6
6	3351.63	71,720	-48	0	0	0	0	0	170	0	0	122	6
7	3351.65	71,739	19	230	0	0	0	0	193	0	1	-17	6
8	3351.26	71,368	-371	141	0	0	0	0	402	0	0	-110	6
9	3350.81	70,941	-427	19	0	0	3	1	391	0	1	-50	6
10	3350.56	70,705	-236	19	0	0	5	0	364	0	0	114	6
11	3350.16	70,327	-378	18	0	0	4	0	376	0	1	-15	6
12	3349.69	69,885	-442	20	0	0	3	0	382	0	0	-77	6
13	3349.35	69,566	-319	0	0	0	3	0	348	0	0	32	6
14	3349.24	69,463	-103	308	0	0	3	1	318	0	0	-89	6
15	3349.38	69,594	131	106	0	14	0	0	278	0	1	290	6
16	3349.29	69,510	-84	150	0	4	6	1	241	0	0	10	6
17	3349.13	69,360	-150	18	0	4	0	0	323	0	0	151	6
18	3349.15	69,379	19	301	0	3	0	0	326	0	0	41	6
19	3349.10	69,332	-47	215	0	3	0	0	311	0	1	47	6
20	3348.93	69,173	-159	234	0	3	5	0	303	0	0	-88	6
21	3349.52	69,725	552	745	0	3	5	0	279	0	0	88	6
22	3349.21	69,435	-290	333	0	4	4	1	627	0	0	5	6
23	3348.48	68,753	-682	174	0	8	0	0	869	0	1	6	6
24	3348.23	68,521	-232	207	0	5	6	0	388	0	0	-50	6
25	3348.82	69,070	549	310	0	212	3	0	355	0	0	385	6
26	3348.76	69,014	-56	321	0	63	1	0	374	0	0	-65	6
27	3348.79	69,042	28	310	0	18	0	0	365	0	1	66	6
28	3349.74	69,932	890	1,247	0	12	6	0	318	0	0	-45	6
29	3350.02	70,195	263	542	0	11	4	0	366	0	0	80	6
30	3350.02	70,195	0	194	0	11	4	0	252	0	1	52	5
31	3350.02	70,195	0	191	0	11	6	0	176	0	0	-20	5
Total			-1,948	8,682	16	389	83	4	11,614	0	10	676	184

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

December 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Nov 30	1562.75	74,009				
1	1562.61	73,747	-262		6	
2	1562.75	74,009	262		6	
3	1562.53	73,597	-412		0	
4	1562.75	74,009	412		12	
5	1562.61	73,747	-262		5	
6	1562.53	73,597	-150		157	
7	1562.39	73,335	-262		155	
8	1562.31	73,186	-149		134	
9	1562.87	74,235	1,049		134	
10	1561.87	72,366	-1,869		85	
11	1561.87	72,366	0		70	
12	1561.84	72,310	-56		105	
13	1561.76	72,161	-149		204	
14	1561.62	71,902	-259		184	
15	1561.65	71,957	55		161	
16	1561.57	71,809	-148		195	
17	1561.68	72,013	204		166	
18	1561.51	71,698	-315		166	
19	1561.29	71,291	-407		165	
20	1561.29	71,291	0		144	
21	1561.29	71,291	0		193	
22	1561.15	71,032	-259		147	
23	1561.10	70,940	-92		166	
24	1561.02	70,793	-147		142	
25	1560.99	70,738	-55		174	
26	1560.77	70,333	-405		181	
27	1560.71	70,223	-110		175	
28	1560.71	70,223	0		180	
29	1560.58	69,984	-239		184	
30	1560.33	69,527	-457		164	
31	1560.33	69,527	0		164	
Total			-4,482	97	4,124	-455

1/ Readings are not taken on a daily basis. End of month only.

2/ 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) **December 2008**

Reach No.	Operating Pool Beginning and Ending			Turnout	Total Diver-sions	Deliveries					
	No.	Structure	Mile			Table A	Recreation	Recovery	Pool A	Local	Other
17E	40	Edmonston Pumping Plant	293.45		69,179						
	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 10,710 AF generation, 0 AF plant bypass, and 0 AF Tehachapi bypass)	10,710						
			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)	193						1/ 193
				Mojave Water Agency Fairmont (T272)	41	41					
		Check No. 46	323.84								
				Reach 19 Total:	234	41	0	0	0	0	193
20A	47	Check No. 47	326.77								
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	12						1/ 12
			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)	357						1/ 357
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	29						1/ 29
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.	1,113						2/ 1,113
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	0						
21		Check No. 53	348.17								
			349.52	Palmdale WD (T394)	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)	2						1/ 2
			357.72	AVEK 96th Street East (T280)	0						
			359.76	AVEK East Side Treatment Plant (T281)	63						1/ 63

1/ General Conveyance of Kern County WA non-project water - "Nickel Water".

2/ Butte County Table A Transfer water to Palmdale WD.

Table 31. Governor Edmund G. Brown California Aqueduct

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

(In acre-feet) **December 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 Recovery	Deliveries Pool A	Deliveries Local	Deliveries Other
22B	58	Pearblossom Pumping Plant	360.61		9,117						
	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)	464	464					
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	165	165					
		Check No. 66	403.41								
23	67	Mojave Siphon	405.58	Las Flores Ranch Exchange	184			1/ 184			
		Mojave Siphon Powerplant	405.65		8,682						
24		Silverwood Lake	407.65	MWA CS DAM (T288)	0						
				California State Park Silverwood (T288)	4		4				
			407.70	Creastline-Lake Arrowhead WA State Project Water (T289)	82						2/ 82
				Non-Project Water (T289)	1					1	
25		San Bernardino Intake Tunnel			11,614						
26A		Devil Canyon Powerplant	412.73		11,614						
	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0						
				MWD-Rialto (T293)	1,635	1,635					
				Desert Water Agency Transfer (T293)	1,930				44		3/ 1,886
				Coachella Valley WD Transfer (T293)	3,107				107		4/ 3,000
				MWD EBX-1 (T290)	0						
				MWD EBX-1 (T291)	0						
				East Branch Extension	4,211	5/ 2,211					6/ 2,000
				San Bernardino Valley MWD	24	24					
28G	69	Santa Ana Valley Pipeline	425.46								
28H			433.06	MWD-SC Box Springs (T295)	502	502					
			440.05	MWD-SC Perris Bypass Pipeline (T296)	24	24					
28J		Lake Perris	442.00	MWD-SC (T297)	179						7/ 179
			443.44	MWD-SC 54" & 78" (T299)	3,945						7/ 3,945
				Calif. State Park Lake Perris Recreation (T298)	0						
				MWD Total:	47,036	22,290	0	15,585	151	0	9,010

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

2/ Table A Carryover under Article 56C.

3/ Conveyance of non-project water from Kern County WA to Desert WA.

4/ Conveyance and POD of non-project water from Kern County WA to Coachella Valley WD.

5/ Includes 0 AF to San Gabriel Valley MWD, 2,018 AF to San Bernardino Valley MWD, and 193 AF to San Gorgonio Pass WA.

6/ Exchange of Table A Water to San Bernardino Valley MWD includes: 1,000 AF from San Gorgonio Pass WA and 1,000 AF from Crestline-Lake Arrowhead WA.

7/ Flexible Withdrawal.

Table 32. Water Quality At Selected SWP Locations

December 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	50	91	80	92	92	83	71	73	80
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.003	0.002	0.002	0.003	0.007	0.005	0.005
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	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.04	0.54	0.54	0.46	0.40	0.37	0.37	0.33
Calcium	mg/l	10	16	20	26	26	21	32	32	26
Chloride	mg/l as C	1	16	135	127	121	99	81	82	76
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	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	45.000	87.000	118.000	139.000	137.000	114.000	95.000	105.000	100.000
Iron	mg/l	0	0	0	0	0	0	<0.005	0	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	5.000	12.000	17.000	18.000	18.000	15.000	4.000	6.000	9.000
Manganese	mg/l	<0.005	0.013	<0.005	0.014	0.005	0.005	<0.005	<0.005	0.006
Nitrate + Nitrite	mg/l	0	1	NR	1	1	1	2	1	1
Organic Carbon, Dissolved	mg/l	NR	3.100	3.000	3.000	2.700	2.500	0.900	1.200	1.900
Organic Carbon, Total	mg/l as N	NR	3.30	3.10	3.00	2.80	2.50	1.40	1.20	1.90
Phosphate-Ortho	mg/l as P	0.01	0.08	NR	0.10	0.08	0.08	NR	0.02	0.05
Phosphorus-Total	mg/l	0.01	0.13	NR	0.13	0.08	0.08	0.02	0.02	0.06
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	20	80	83	81	64	66	66	61
Specific Conductance	µS/cm	108	278	683	730	706	575	548	545	523
Sulfate	mg/l	2	18	36	59	59	38	56	57	48
Total Dissolved Solids	mg/l	61	159	382	402	384	319	309	315	308
Turbidity	NTU	3	20	4	5	3	<1	2	2	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

December 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	5.78	3.99	6,415	6,128	3,556	5.64	12.71	3.58	2.99	1.89	1.91	0.00	0.81	0.30	95
2	5.31	3.88	4,834	5,851	3,027	5.15	11.88	3.22	3.03	1.69	1.89	0.66	0.81	0.57	93
3	4.86	3.61	4,663	5,439	3,349	4.85	11.32	2.83	3.04	1.50	1.87	0.67	0.83	0.70	93
4	4.74	3.59	4,401	5,077	3,365	4.79	11.12	2.80	3.09	1.44	1.86	0.67	0.80	0.73	91
5	4.72	3.34	3,838	4,716	2,974	4.72	11.33	2.82	3.18	1.29	1.84	0.67	0.80	0.73	89
6	4.83	3.16	4,586	4,441	3,276	4.87	11.53	2.86	3.24	1.24	1.82	0.66	0.83	0.75	95
7	5.24	3.39	4,398	4,364	3,158	5.53	12.65	3.25	3.31	1.37	1.79	0.68	0.82	0.74	89
8	5.62	3.54	4,010	4,321	2,752	6.13	13.67	3.58	3.36	1.60	1.77	0.68	0.81	0.73	90
9	5.69	3.29	4,090	4,328	2,726	6.29	13.93	4.05	3.40	1.74	1.74	0.68	0.80	0.74	91
10	5.77	3.44	3,994	4,324	2,721	6.23	13.88	4.02	3.41	1.73	1.69	0.69	0.79	0.77	94
11	6.25	3.78	3,877	4,308	2,648	7.00	15.06	4.87	3.46	2.13	1.68	0.70	0.75	0.76	93
12	6.69	4.14	3,586	4,300	2,567	7.82	16.31	5.70	3.61	2.74	1.72	0.66	0.71	0.76	93
13	6.85	4.47	3,750	4,310	2,387	8.95	18.46	6.74	3.84	3.25	1.82	0.66	0.71	0.77	96
14	6.61	4.50	4,487	4,346	2,698	7.75	16.63	5.74	4.00	2.88	1.89	0.74	0.75	0.77	98
15	6.25	4.21	6,732	4,470	5,143	7.03	16.63	5.35	4.13	2.91	1.96	0.71	0.83	0.78	100
16	5.68	4.01	7,832	4,632	5,535	6.70	14.34	3.77	4.17	2.23	2.00	0.71	0.73	0.74	99
17	5.38	3.76	10,056	4,849	6,730	5.79	13.40	3.21	4.19	1.93	2.03	0.73	0.64	0.80	99
18	5.18	3.62	9,398	5,040	6,302	5.50	12.94	2.94	4.20	1.76	2.05	0.70	0.64	0.78	96
19	5.21	3.39	9,818	5,226	6,639	5.06	11.79	2.45	4.18	1.66	2.08	0.67	0.71	0.78	96
20	5.17	3.16	8,040	5,338	6,156	4.46	10.73	2.02	4.12	1.47	2.10	0.66	0.66	0.79	90
21	5.41	3.42	7,227	5,451	5,937	4.76	10.98	2.25	4.04	1.54	2.11	0.69	0.61	0.80	95
22	6.02	3.97	7,475	5,598	5,735	5.78	12.84	2.96	4.00	1.96	2.13	0.69	0.63	0.78	93
23	6.08	4.03	8,367	5,767	6,131	5.63	12.27	2.58	3.90	1.96	2.15	0.72	0.64	0.79	89
24	6.15	4.08	9,288	5,972	6,801	5.59	11.94	2.66	3.80	1.98	2.17	0.71	0.66	0.84	89
25	7.04	4.90	9,437	6,160	6,839	7.14	14.94	4.28	3.76	2.72	2.21	0.71	0.65	0.82	90
26	5.95	4.02	12,446	6,422	7,741	4.91	10.96	1.71	3.47	1.70	2.13	0.70	0.55	0.78	88
27	5.75	3.67	12,919	6,649	9,151	3.82	8.93	1.40	3.09	1.43	2.01	0.79	0.57	0.89	93
28	5.70	3.65	14,053	6,911	10,463	3.38	7.91	1.06	2.76	1.34	1.90	0.77	0.60	0.87	92
29	5.64	3.70	14,059	7,156	10,764	3.06	7.68	0.95	2.45	1.26	1.78	0.73	0.64	0.84	88
30	5.43	3.63	10,245	7,277	8,852	2.82	7.17	0.89	2.24	1.18	1.71	0.72	0.66	0.78	91
31	5.07	3.48	5,838	7,258	7,379	2.47	6.61	0.76	2.07	1.11	1.65	0.72	0.70	0.78	92

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

December 2008

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 17, 2008	Atrazine	0.11
California Aqueduct At Banks Pumping Plant	June 18, 2008	Diuron	0.25
		Metolachlor	0.20
		Simazine	0.02
O'Niell Forebay Outlet Check 13	June 18, 2008	Diuron	0.27
		Simazine	0.03
Delta Mendota Canal At McCabe Road	June 18, 2008	Diuron	0.29
		Metolachlor	0.10
California Aqueduct Near Kettleman City (Check 21)	June 17, 2008	Diuron	0.27
		Simazine	0.03
California Aqueduct At Near Highway 119 (Check 29)	June 17, 2008	Simazine	0.03
California Aqueduct at Tehachapi Afterbay (Check 41)	June 18, 2008	Diuron	0.25
		Simazine	0.03
California Aqueduct At Devil Canyon Headworks	June 18, 2008	Diuron	0.40
		Simazine	0.10

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) **December 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	1,468,710	2,080	23,070	31,930	832,700	832,700	1,120	900
2	1,480,330	5,300	27,680	36,730	835,970	835,970	1,090	910
3	363,310	7,340	24,500	33,120	826,340	826,340	1,150	950
4	1,088,450	4,910	16,870	27,500	828,640	828,640	1,150	980
5	1,143,590	870	15,210	26,820	683,960	683,960	1,190	970
6	2,507,240	3,260	15,160	27,500	679,420	679,420	1,180	970
7	2,676,140	0	16,570	28,210	550,500	550,500	1,160	980
8	1,325,850	0	15,770	26,750	554,780	554,780	1,210	990
9	2,535,650	0	16,320	27,060	557,880	557,880	1,200	990
10	2,464,350	0	17,390	28,710	817,920	817,920	1,120	990
11	1,911,330	0	15,100	26,120	612,420	612,420	1,190	940
12	2,699,830	0	15,800	25,860	632,530	632,530	1,120	940
13	1,724,960	4,060	15,730	26,600	711,020	711,020	1,050	950
14	1,691,510	6,200	13,260	26,860	711,040	711,040	1,080	940
15	2,917,750	0	14,730	26,230	785,960	785,960	1,120	910
16	2,077,230	10	16,590	26,300	709,900	709,900	1,150	910
17	2,084,670	0	16,690	25,420	687,600	687,600	1,110	910
18	2,503,230	0	17,250	27,400	682,260	682,260	1,100	900
19	1,522,580	10	16,520	26,420	663,570	663,570	1,090	900
20	1,683,010	0	14,550	24,800	808,760	808,760	1,100	900
21	1,501,100	460	14,900	27,440	816,330	816,330	1,080	900
22	1,621,130	20	14,880	25,270	776,910	776,910	1,050	920
23	1,496,750	0	14,860	24,800	579,940	579,940	1,080	930
24	931,600	120	16,310	27,050	807,250	807,250	1,070	890
25	922,350	80	15,190	24,620	840,100	840,100	1,070	910
26	1,580,280	0	14,270	23,830	775,060	775,060	1,080	910
27	977,210	0	13,030	24,930	853,540	853,540	1,050	910
28	2,073,410	0	14,590	25,930	828,090	828,090	1,030	910
29	1,889,930	170	15,800	26,070	1,028,500	1,028,500	1,060	890
30	1,392,970	0	15,880	25,690	1,217,290	1,217,290	1,030	890
31	1,913,820	0	18,170	26,490	1,444,110	1,444,110	1,080	890
Total	54,170,270	34,890	512,640	838,460	24,140,290	24,140,290	34,360	28,780

Table 36. San Luis Field Division Energy Data

(in kWh) **December 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	79,730	7,730	0	0	288,450	288,450
2	92,900	44,900	0	0	385,620	385,620
3	93,690	93,690	0	0	1,075,060	499,060
4	52,640	52,640	0	0	904,730	328,730
5	66,640	66,640	0	0	1,243,950	667,950
6	11,000	11,000	0	0	1,228,360	652,360
7	149,490	149,490	0	0	878,180	14,180
8	92,980	92,980	0	0	685,750	109,750
9	122,760	122,760	98,250	98,250	679,820	103,820
10	123,810	123,810	97,890	97,890	948,290	372,290
11	171,500	171,500	108,980	108,980	911,750	335,750
12	256,230	176,230	0	0	734,480	302,480
13	165,530	85,530	0	0	725,060	293,060
14	388,990	316,990	33,160	33,160	448,240	16,240
15	92,550	12,550	100,160	100,160	655,260	223,260
16	97,880	17,880	0	0	308,200	308,200
17	151,890	71,890	0	0	448,770	448,770
18	68,270	-11,730	0	0	1,065,030	633,030
19	234,560	154,560	0	0	306,420	306,420
20	235,900	155,900	0	0	304,810	304,810
21	562,590	490,590	0	0	23,300	23,300
22	290,300	210,300	0	0	167,440	167,440
23	438,010	358,010	0	0	1,083,410	363,410
24	278,120	198,120	0	0	307,190	307,190
25	472,350	400,350	0	0	714,590	-5,410
26	428,160	348,160	0	0	23,450	23,450
27	315,680	235,680	0	0	351,370	351,370
28	666,070	594,070	0	0	765,580	333,580
29	358,860	278,860	0	0	307,630	19,630
30	158,220	78,220	0	0	581,630	293,630
31	222,040	142,040	0	0	687,520	399,520
Total	6,939,340	5,251,340	438,440	438,440	19,239,340	8,871,340

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) **December 2008**

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	3,790	8,740	25,660	23,770	26,630	441,520	459,810	994,920	3,513,830
2	3,610	8,380	27,800	26,690	28,750	435,700	425,350	906,280	3,407,780
3	4,020	8,660	24,570	22,950	25,680	349,470	353,510	768,020	2,755,970
4	2,470	5,280	24,170	22,660	24,420	300,750	260,950	559,020	2,167,510
5	3,820	8,760	23,030	21,650	24,770	196,430	185,100	427,460	1,483,030
6	5,010	11,440	25,090	23,280	25,900	159,540	228,520	525,740	1,862,970
7	4,930	11,230	32,590	30,010	34,110	170,990	264,150	567,700	2,224,660
8	4,140	9,360	23,350	23,100	24,840	197,000	195,810	441,520	1,499,690
9	3,420	7,660	25,050	23,050	25,470	196,710	197,900	426,680	1,499,850
10	4,470	9,900	24,960	23,550	26,220	196,550	190,850	425,000	1,672,730
11	3,880	8,160	17,450	16,270	18,710	184,010	203,610	459,150	1,508,110
12	3,170	6,540	16,190	15,250	16,970	398,940	411,610	899,280	3,403,160
13	3,730	8,180	22,300	21,090	23,600	464,780	522,350	1,123,130	4,190,990
14	4,760	10,970	25,270	23,940	25,540	788,880	904,560	2,008,300	7,433,480
15	2,850	5,960	15,280	14,590	16,590	296,210	308,340	653,990	2,534,190
16	3,060	6,460	19,370	18,110	20,400	367,630	441,320	956,600	3,369,950
17	2,650	5,560	16,570	15,590	17,550	499,260	487,800	1,093,220	4,296,830
18	2,170	4,300	11,870	11,130	12,620	269,560	296,050	635,540	2,401,000
19	3,030	6,640	22,110	20,410	23,130	510,780	624,840	1,388,400	4,905,440
20	2,140	4,080	14,070	12,880	14,610	519,080	582,600	1,283,610	4,853,840
21	2,380	4,500	28,130	25,250	28,920	1,106,360	1,257,230	2,823,040	10,614,730
22	3,640	7,890	17,190	16,260	17,900	816,620	1,097,430	2,417,400	9,038,570
23	4,860	10,820	16,370	15,200	16,910	715,470	829,010	1,843,200	6,751,890
24	2,710	5,690	17,990	16,210	18,200	796,610	918,230	2,060,610	7,858,460
25	2,950	6,790	17,710	16,410	17,680	1,104,570	1,318,600	2,939,600	10,875,250
26	2,590	5,110	17,720	16,540	19,380	904,990	1,012,360	2,259,420	8,505,680
27	2,990	6,170	21,840	20,190	21,960	823,420	990,550	2,189,540	8,142,500
28	3,570	7,580	21,370	20,160	22,250	1,347,350	1,558,260	3,505,340	13,019,290
29	2,260	4,870	16,310	14,640	17,160	820,220	959,220	2,136,130	8,007,690
30	2,750	6,030	14,780	13,530	15,110	623,500	751,330	1,645,880	5,937,650
31	2,560	5,080	15,850	14,510	15,970	560,430	703,120	1,558,030	5,998,620
Total	104,380	226,790	642,010	598,870	667,950	16,563,330	18,940,370	41,921,750	155,735,340

Table 38. Southern Field Division Energy Data

(in kWh) **December 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	197,980	584,550	1,800,000	100,366	520,867	787,777	53,481	38,843	41,324	441
2	170,248	194,750	1,800,000	98,190	522,154	874,466	65,388	37,930	41,214	3,620
3	164,317	314,440	1,800,000	79,035	434,487	675,742	45,194	33,147	41,185	3,067
4	127,376	450,710	1,800,000	39,241	156,560	421,114	10,591	27,077	38,109	413
5	153,822	441,440	1,800,000	69	14,626	197,102	0	23,375	30,112	422
6	168,980	345,920	1,800,000	69	14,148	189,537	0	13,357	16,281	413
7	201,030	428,950	1,800,000	40,981	200,877	218,730	13,746	1,375	536	413
8	123,683	319,420	2,184,000	22,330	110,050	492,919	8,050	32,135	42,990	403
9	157,366	555,990	2,184,000	7,328	15,972	476,098	0	23,335	32,612	394
10	183,257	507,210	2,184,000	11,580	79,292	439,883	0	23,600	32,573	403
11	159,703	562,320	2,184,000	11,442	15,464	458,445	0	23,492	32,602	385
12	372,099	1,356,780	2,184,000	0	15,603	462,757	0	18,209	24,675	385
13	486,911	1,359,190	2,184,000	0	15,414	416,614	0	9,497	11,658	394
14	736,851	1,290,270	2,184,000	46,885	255,862	379,559	20,906	1,542	536	422
15	199,495	779,580	1,242,000	46,826	212,812	324,258	5,409	17,894	21,689	900
16	402,040	821,510	1,241,000	23,111	139,392	275,742	8,356	18,130	22,988	1,013
17	419,149	690,920	1,241,000	15,299	203,300	368,186	0	16,480	21,877	947
18	236,980	976,830	1,241,000	31,220	114,995	388,479	20,283	9,242	11,717	478
19	541,406	774,870	1,241,000	11,165	95,523	369,976	14,241	16,676	22,363	488
20	526,396	842,380	1,241,000	11,462	94,626	359,316	14,013	14,968	19,863	478
21	1,056,396	1,817,470	1,241,000	94,146	518,295	326,879	54,163	1,522	536	450
22	962,703	1,818,800	1,461,000	52,502	308,784	760,601	22,557	16,824	22,423	460
23	749,248	1,762,080	1,461,000	23,052	143,450	1,045,570	11,175	16,716	22,324	450
24	844,733	1,829,660	1,461,000	35,848	221,446	407,981	15,111	12,080	16,162	413
25	1,189,723	1,830,750	1,461,000	36,017	190,369	393,364	26,661	1,591	536	385
26	888,901	1,837,150	1,460,000	48,952	290,668	424,011	22,953	16,077	21,312	403
27	848,950	1,836,920	1,460,000	45,876	248,524	394,017	22,607	16,343	21,788	403
28	1,188,297	1,840,450	1,460,000	168,176	898,604	344,482	91,327	1,512	546	394
29	845,139	1,845,800	864,000	45,550	315,344	388,331	37,055	15,989	21,818	385
30	638,812	1,843,160	864,000	26,058	141,755	275,040	11,442	16,195	22,224	385
31	639,842	1,817,320	864,000	26,355	163,450	200,682	11,383	12,031	16,440	413
Total	15,581,832	33,677,590	49,392,000	1,199,130	6,672,712	13,537,658	606,092	527,185	673,013	20,418

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