

Summary Version of the

State Water Project Annual Report of Operations

This document contains the following summary tables from the Annual Report:

Table 1 – Project Pumping by Plant

Table 15 – Monthly Operations Summary, State-Federal San Luis Joint-Use Facilities

Table 22 – Summary of California Aqueduct Operations

The remaining portions of the Annual Report are being prepared, and when the complete Annual Report is vetted and approved it will replace this document.

This data is preliminary and subject to revision.

Additional data may be available. Contact the Project Records and Reports Section at OCO_car_reprt@water.ca.gov or (916) 574-2677 for more information or to make comments.

Table 1. Project Pumping by Plant
2014
(in acre-feet)

Pumping Plants	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Hyatt	0	0	0	0	0	0	0	0	0	0	0	0	0
Thermalito	0	0	0	0	0	0	0	0	0	0	0	0	0
Barker Slough	3,728	1,166	1,101	3,466	6,615	4,788	4,029	3,950	2,568	3,006	1,217	834	36,468
Cordelia	3,381	1,108	870	2,943	4,052	2,853	2,446	2,332	1,837	2,680	1,140	847	26,489
Banks													
State	59,719	68,570	124,287	35,331	16,057	13,531	68,210	98,964	118,073	21,626	124,369	259,901	1,008,638
Federal	4,631	0	0	0	0	18,501	0	0	0	0	0	0	23,132
Other 4/	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	64,350	68,570	124,287	35,331	16,057	32,032	68,210	98,964	118,073	21,626	124,369	259,901	1,031,770
South Bay	6,863	10,511	13,570	7,814	7,615	9,539	9,733	10,446	5,145	4,687	4,475	4,702	95,100
Del Valle	0	4,162	5,594	2,349	182	1,143	0	0	0	0	0	0	13,430
Gianelli 1/													
State	22,979	42,030	83,064	9,577	87	0	0	16,755	66,083	5,892	121,808	229,094	597,369
Federal	16,272	44,324	118,814	120,457	7,351	0	0	0	30,239	0	0	114,461	451,918
Total	39,251	86,354	201,878	130,034	7,438	0	0	16,755	96,322	5,892	121,808	343,555	1,049,287
O'Neill 2/													
State	0	0	0	0	0	0	0	0	20,865	0	0	0	20,865
Federal	19,189	47,146	121,418	141,071	9,921	0	0	1,773	28,978	405	4,020	111,307	485,228
Total	19,189	47,146	121,418	141,071	9,921	0	0	1,773	49,843	405	4,020	111,307	506,093
Dos Amigos 1/													
State	46,509	33,849	24,245	22,990	51,600	83,744	127,848	98,242	57,717	37,826	10,434	25,420	620,424
Federal	0	0	3,371	24,463	47,593	69,356	70,988	26,019	0	0	0	0	241,790
Other 4/	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	46,509	33,849	27,616	47,453	99,193	153,100	198,836	124,261	57,717	37,826	10,434	25,420	862,214
Las Perillas	2,378	5,272	3,903	6,565	12,612	16,578	18,229	18,295	9,858	4,751	1,674	890	101,005
Badger Hill	2,246	4,703	4,168	6,779	12,687	16,241	17,062	16,588	8,929	4,741	1,736	943	96,823
Devil's Den	1,542	2,074	2,302	1,016	1,909	1,603	1,873	2,141	1,689	1,646	1,480	556	19,831
Bluestone	1,395	1,880	2,065	951	1,724	1,444	1,688	1,952	1,511	1,486	1,321	499	17,916
Polonio Pass	1,584	2,126	2,326	1,082	1,934	1,632	1,937	2,185	1,720	1,686	1,499	568	20,279
Buena Vista	57,855	45,551	43,780	36,880	43,613	47,614	93,722	60,362	39,998	53,995	45,807	60,179	629,356
Teerink	65,764	47,662	42,407	31,888	28,615	34,537	81,137	52,385	33,818	50,441	52,546	72,158	593,358
Chrisman	61,740	44,709	40,530	30,363	24,924	30,689	77,621	52,675	33,118	51,130	52,431	70,409	570,339
Edmonston	60,781	44,370	39,810	29,277	22,566	27,661	73,215	48,203	29,646	48,013	49,303	69,542	542,387
Oso	40,888	28,129	35,651	16,253	1,948	973	46,496	18,833	8,267	27,355	39,426	56,943	321,162
Castaic 3/	40,998	26,109	32,753	21,171	0	0	41,271	14,390	4,323	30,106	34,544	53,320	298,985
Pearblossom	17,775	14,642	5,047	11,156	16,214	20,885	22,346	24,148	16,679	17,005	9,743	13,533	189,173

No.

1/ Joint state-federal facility.

2/ O'Neill Pumping Plant is a federal facility.

3/ Pumping at Castaic Pumping Plant is for the City of Los Angeles.

4/ Pumping at Banks for Cross Valley Canal water delivered to Westlands Water District.

**Table 15. Monthly Operations Summary, State-Federal San Luis Joint-Use Facilities
2014**

(In acre-feet except as noted)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Check 12													
State	52,446	57,395	111,081	26,652	7,508	153	56,093	87,906	113,405	16,481	126,505	259,599	915,224
Federal 1/	-4	0	0	7,829	0	130	0	0	-1	0	0	469	8,423
Total	52,442	57,395	111,081	34,481	7,508	283	56,093	87,906	113,404	16,481	126,505	260,068	923,647
O'Neill P-G Plant													
Amount Pumped													
State	0	0	0	0	0	0	0	0	20,865	0	0	0	20,865
Federal	19,189	47,146	121,418	141,071	9,921	0	0	1,773	28,978	405	4,020	111,307	485,228
Total	19,189	47,146	121,418	141,071	9,921	0	0	1,773	49,843	405	4,020	111,307	506,093
Generation													
Federal	1,622	2,617	0	360	10,831	39,767	47,627	29,441	2,152	48,787	14,774	0	197,978
O'Neill Forebay													
End-of-Month Storage													
State 2/	-7,719	1,263	14,134	13,115	15,489	5,050	-13,240	-16,560	9,670	16,102	17,914	26,606	---
Federal 2/	52,433	42,642	29,070	31,259	28,755	36,863	57,276	62,924	41,510	31,207	28,371	23,853	---
Total	44,714	43,905	43,204	44,374	44,244	41,913	44,036	46,364	51,180	47,309	46,285	50,459	---
San Luis Reservoir													
End-of-Month Storage													
State	282,390	306,895	387,578	386,979	337,788	258,599	167,702	154,136	214,076	197,270	310,847	535,627	---
Federal	333,278	368,720	468,469	568,779	510,292	396,312	288,812	225,860	249,869	196,528	177,669	284,582	---
Total	615,668	675,615	856,047	955,758	848,080	654,911	456,514	379,996	463,945	393,798	488,516	820,209	---
Gianelli P-G Plant													
Amount Pumped													
State	22,979	42,030	83,064	9,577	87	0	0	16,755	66,083	5,892	121,808	229,094	597,369
Federal	16,272	44,324	118,814	120,457	7,351	0	0	0	30,239	0	0	114,461	451,918
Total	39,251	86,354	201,878	130,034	7,438	0	0	16,755	96,322	5,892	121,808	343,555	1,049,287
Generation													
State	12,349	14,983	0	4,533	48,232	79,870	91,891	27,293	0	21,779	-661	0	300,269
Federal	0	0	0	0	55,009	109,173	104,693	58,844	0	51,579	10,714	0	390,012
Total	12,349	14,983	0	4,533	103,241	189,043	196,584	86,137	0	73,358	10,053	0	690,281
Pacheco Tunnel													
Federal	10,098	6,801	17,117	17,344	9,971	5,360	3,624	1,628	1,202	1,007	866	4,021	79,039
Dos Amigos P.P.													
State	33,807	22,776	13,167	23,132	51,689	91,448	149,320	100,389	40,987	25,163	5,255	22,099	579,232
Federal	12,702	11,073	14,449	24,321	47,504	61,652	49,516	23,872	16,730	12,663	5,179	3,321	282,982
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	46,509	33,849	27,616	47,453	99,193	153,100	198,836	124,261	57,717	37,826	10,434	25,420	862,214

1/ Includes USBR pumping at Banks and Federal Delta Mendota Canal / Ca. Aqueduct Intertie flows.

2/ Negative storage values indicate storage withdrawals have exceeded storage shares and positive values larger than the reservoir capacity indicate storage shares have exceeded storage withdrawals.

**Table 22. Summary of California Aqueduct Operation
2014**
(in acre-feet)

Description	Jan	Feb	Mar	Apr	May	Jun
DELTA FIELD DIVISION						
Note: North Bay Aqueduct, South Bay Aqueduct, and Lake Del Valle they are shown here						
North Bay Aqueduct						
Pumped at Barker Slough Pumping Plant	3,728	1,166	1,101	3,466	6,615	4,788
Deliveries (Travis & Fairfield/Vacaville)	244	36	191	318	1,631	1,410
Pumped at Cordellia Pumping Plant	3,381	1,108	870	2,943	4,080	2,853
Deliveries (Benicia, Vallejo, A.C. 1&2, & Napa)	3,381	1,108	870	2,943	4,080	2,853
Computed Losses (-), Gains (+)	-103	-22	-40	-205	-904	-525
Cordellia Spillway	0	0	0	0	0	0
California Aqueduct						
Pumped at Banks Pumping Plant	64,350	68,570	124,287	35,331	16,057	32,032
Pumped at South Bay Pumping Plant	6,863	10,511	13,570	7,814	7,615	9,539
DMC/CA Intertie Pumped	5	0	0	7,988	0	0
DMC/CA Intertie Released	4,639	0	0	0	0	18,371
Deliveries to State Contractors	121	46	117	191	377	441
Deliveries to Fed. Customers	45	39	47	50	69	81
Change in Storage	384	86	-797	1,015	-615	323
Outflow at Check 12	52,442	57,395	111,081	34,481	7,508	283
Computed Losses (-), Gains (+)	139	-493	-269	232	-1,103	-2,994
South Bay Aqueduct						
Pumped at South Bay Pumping Plant	6,863	10,511	13,570	7,814	7,615	9,539
Inflow from Lake Del Valle Stored	0	0	0	0	0	0
Inflow from Lake Del Valle Project	66	0	0	0	793	0
Outflow to Lake Del Valle Natural	0	0	0	0	0	0
Outflow to Lake Del Valle	0	4,162	5,594	2,349	182	1,143
Outflow, Deliveries to SWP Contractors	6,919	6,339	7,966	5,455	8,216	8,386
Computed Losses (-), Gains (+)	-10	-10	-10	-10	-10	-10
Lake Del Valle Operation:						
Inflow from South Bay Aqueduct	0	4,162	5,594	2,349	182	1,143
Natural inflow	34	32	-9	145	47	17
Releases to South Bay Aqueduct	66	0	0	0	793	0
Releases to Arroyo Valle	0	0	0	0	0	0
Deliveries to EBRP District	2	2	3	4	5	5
End-of-Month Storage	29,556	33,665	39,078	41,330	40,347	41,056
Change in Storage	-156	4,109	5,413	2,252	-983	709
Computed Losses (-), Gains (+)	-122	-83	-169	-238	-414	-446
SAN LUIS FIELD DIVISION						
O'Neill Forebay Operation						
End-of-Month Storage	44,714	43,905	43,204	44,374	44,244	41,913
Inflow, California Aqueduct	52,442	57,395	111,081	34,481	7,508	283
Inflow, O'Neill P.- G. Plant	19,189	47,146	121,418	141,071	9,921	0
Inflow, Gianelli P.- G. Plant	12,349	14,983	0	4,533	103,241	189,043
Inflow, SLFD Pump In	0	0	0	0	0	0
Deliveries to Dept. of Fish and Game (State)	48	10	0	14	59	29
Deliveries to Dept. of Fish and Game (Fed.)	39	8	0	11	48	24
Deliveries to Dept. of Parks & Rec. (State)	0	0	0	0	0	0
Deliveries to Dept. of Parks & Rec. (Fed.)	0	1	0	0	1	0
Deliveries to Fed. Customers	198	75	107	168	446	583
Construction Water (State)	0	0	0	0	0	0
Outflow, O'Neill P.- G. Plant	1,622	2,617	0	360	10,831	39,767
Outflow, Gianelli P.- G. Plant	39,251	86,354	201,878	130,034	7,438	0
Outflow, Dos Amigos P.P.	46,509	33,849	27,616	47,453	99,193	153,100
Change in Storage	-3,410	-809	-701	1,170	-130	-2,331
Computed Losses (-), Gains (+)	277	2,581	-3,599	-875	-2,784	1,846
San Luis Reservoir Operation						
State End-of-Month Storage	282,390	306,895	387,578	386,979	337,788	258,599
Total End-of-Month Storage	615,668	675,615	856,047	955,758	848,080	654,911
Inflow, Gianelli P.- G. Plant	39,251	86,354	201,878	130,034	7,438	0
Outflow, Gianelli P.- G. Plant	12,349	14,983	0	4,533	103,241	189,043
Deliveries to Dept. of Parks & Rec. (Fed.)	0	0	0	0	1	0
Deliveries to Dept. of Parks & Rec. (State)	0	0	0	0	0	0
Deliveries to Fed. Customers	10,098	6,801	17,117	17,344	9,971	5,360
Change in Storage (Total)	11,955	59,947	180,432	99,711	-107,678	-193,169
Computed Losses (-), Gains (+)	-4,849	-4,623	-4,329	-8,446	-1,903	1,234

Table 22. Summary of California Aqueduct Operations

2014

(in acre-feet)

Jul	Aug	Sep	Oct	Nov	Dec	Total	Description	
are not within the Edmond G. Brown California Aqueduct, for completeness.								
4,029	3,950	2,568	3,006	1,217	834	36,468	DELTA FIELD DIVISION	
1,348	1,384	629	137	26	0	7,354	North Bay Aqueduct	
2,446	2,332	1,837	2,680	1,140	847	26,517	Pumped at Barker Slough Pumping Plant Deliveries (Travis & Fairfield/Vacaville)	
2,446	2,332	1,837	2,680	1,140	847	26,517	Pumped at Cordellia Pumping Plant Deliveries (Benicia, Vallejo, A.C. 1&2, & Napa)	
-235	-234	-102	-189	-51	13	-2,597	Computed Losses (-), Gains (+)	
0	0	0	0	0	0	0	Cordellia Spillway California Aqueduct	
68,210	98,964	118,073	21,626	124,369	259,901	1,031,770	Pumped at Banks Pumping Plant	
9,733	10,446	5,145	4,687	4,475	4,702	95,100	Pumped at South Bay Pumping Plant	
0	0	877	0	5,140	4,196	18,206	DMC/CA Intertie Pumped	
0	0	17	0	0	0	23,027	DMC/CA Intertie Released	
422	275	215	144	30	22	2,401	Deliveries to State Contractors	
87	85	72	67	40	18	700	Deliveries to Fed. Customers	
203	716	-743	-195	78	243	698	Change in Storage	
56,093	87,906	113,404	16,481	126,505	260,068	923,647	Outflow at Check 12	
-1,672	464	-840	-442	1,619	956	-4,403	Computed Losses (-), Gains (+)	
								South Bay Aqueduct
9,733	10,446	5,145	4,687	4,475	4,702	95,100	Pumped at South Bay Pumping Plant	
0	0	0	0	0	0	0	Inflow from Lake Del Valle Stored	
36	256	5,255	4,204	0	0	10,610	Inflow from Lake Del Valle Project	
0	0	0	0	0	0	0	Outflow to Lake Del Valle Natural	
0	0	0	0	0	0	0	Outflow to Lake Del Valle	
9,759	10,692	10,390	8,881	4,465	4,692	92,160	Outflow, Deliveries to SWP Contractors	
-10	-10	-10	-10	-10	-10	-120	Computed Losses (-), Gains (+)	
								Lake Del Valle Operation:
0	0	0	0	0	0	13,430	Inflow from South Bay Aqueduct	
-21	101	293	-220	56	4,872	5,347	Natural inflow	
36	256	5,255	4,204	0	0	10,610	Releases to South Bay Aqueduct	
0	0	0	0	0	0	0	Releases to Arroyo Valle	
6	6	5	5	3	0	46	Deliveries to EBRP District	
40,511	39,914	34,599	29,898	29,840	34,663	---	End-of-Month Storage	
-545	-597	-5,315	-4,701	-58	4,823	4,951	Change in Storage	
-482	-436	-348	-272	-111	-49	-3,170	Computed Losses (-), Gains (+)	
-2,399	-216	-1,300	-913	1,447	910		SAN LUIS FIELD DIVISION	
								O'Neill Forebay Operation
44,036	46,364	51,180	47,309	46,285	50,459	---	End-of-Month Storage	
56,093	87,906	113,404	16,481	126,505	260,068	923,647	Inflow, California Aqueduct	
0	1,773	49,843	405	4,020	111,307	506,093	Inflow, O'Neill P.- G. Plant	
196,584	86,137	0	73,358	10,053	0	690,281	Inflow, Gianelli P.- G. Plant	
0	0	0	0	0	0	0	Inflow, SLFD Pump In	
49	65	27	49	32	0	382	Deliveries to Dept. of Fish and Game (State)	
41	53	22	41	27	0	314	Deliveries to Dept. of Fish and Game (Fed.)	
1	1	1	1	0	1	5	Deliveries to Dept. of Parks & Rec. (State)	
0	1	0	0	0	0	3	Deliveries to Dept. of Parks & Rec. (Fed.)	
538	228	362	205	20	19	2,949	Deliveries to Fed. Customers	
0	0	0	0	0	0	0	Construction Water (State)	
47,627	29,441	2,152	48,787	14,774	0	197,978	Outflow, O'Neill P.- G. Plant	
0	16,755	96,322	5,892	121,808	343,555	1,049,287	Outflow, Gianelli P.- G. Plant	
198,836	124,261	57,717	37,826	10,434	25,420	862,214	Outflow, Dos Amigos P.P.	
2,123	2,328	4,816	-3,871	-1,024	4,174	2,335	Change in Storage	
-3,462	-2,683	-1,828	-1,314	5,493	1,794	-4,554	Computed Losses (-), Gains (+)	
								San Luis Reservoir Operation
167,702	154,136	214,076	197,270	310,847	535,627	---	State End-of-Month Storage	
456,514	379,996	463,945	393,798	488,516	820,209	---	Total End-of-Month Storage	
0	16,755	96,322	5,892	121,808	343,555	1,049,287	Inflow, Gianelli P.- G. Plant	
196,584	86,137	0	73,358	10,053	0	690,281	Outflow, Gianelli P.- G. Plant	
0	0	0	0	0	0	1	Deliveries to Dept. of Parks & Rec. (Fed.)	
2	0	0	0	0	0	2	Deliveries to Dept. of Parks & Rec. (State)	
3,624	1,628	1,202	1,007	866	4,021	79,039	Deliveries to Fed. Customers	
-198,397	-76,518	83,949	-70,147	94,718	331,693	216,496	Change in Storage (Total)	
1,813	-5,508	-11,171	-1,674	-16,171	-7,841	-63,468	Computed Losses (-), Gains (+)	

**Table 22. Summary of California Aqueduct Operation
2014
(in acre-feet)**

Description	Jan	Feb	Mar	Apr	May	Jun
SAN LUIS FIELD DIVISION (Cont.)						
California Aqueduct (Pools 14 thru 21)						
Inflow, Dos Amigos P.P.(State)	33,807	22,776	13,167	23,132	51,689	91,448
Inflow, Dos Amigos P.P.(Fed. and Other)	12,702	11,073	14,449	24,321	47,504	61,652
Total Inflow, Dos Amigos P.P.	46,509	33,849	27,616	47,453	99,193	153,100
Flow into Aqueduct	1,757	0	0	0	0	0
Deliveries to Dept. of Fish and Game (State)	0	0	0	0	0	20
Deliveries to Dept. of Fish and Game (Fed.)	0	0	0	0	0	16
Miscellaneous Outflow	0	0	0	0	0	0
Deliveries, SWP Trans. to Fed. Customers	92	93	718	372	0	50
Deliveries to Fed. Customers	12,483	10,898	13,783	23,216	46,106	59,201
Outflow, Check 21 (State)	33,819	21,976	11,380	22,078	49,809	88,336
Outflow, Check 21 (Fed.)	1,620	285	0	0	0	0
Change in Storage	-540	841	255	-668	171	111
Computed Losses (-), Gains (+)	-792	244	-1,480	-2,455	-3,107	-5,366
SAN JOAQUIN FIELD DIVISION						
California Aqueduct, Check 21 to Buena Vista Pumping Plant						
Inflow, Check 21 (State)	33,819	21,976	11,380	22,078	49,809	88,336
Inflow, Check 21 (Fed.)	1,620	285	0	0	0	0
Total Inflow, Check 21	35,439	22,261	11,380	22,078	49,809	88,336
Kern River Intertie (Inflow)	0	0	0	0	0	0
Kern River Intertie (Outflow)	0	0	0	0	0	0
Deliveries to State Contractors	6,858	7,097	5,186	14,662	27,253	43,582
Deliveries to Fed. Customers	1,620	285	0	0	0	0
Miscellaneous Pump In	33,964	36,028	43,266	38,002	36,398	24,490
Outflow, Buena Vista P.P.	57,855	45,551	43,780	36,880	43,613	47,614
Coastal Br. Diversion (Las Perillas P.P.)	2,378	5,272	3,903	6,565	12,612	16,578
Change in Storage	-36	38	418	-364	-122	57
Computed Losses (-), Gains (+)	-728	-46	-1,359	-2,337	-2,851	-4,995
California Aqueduct, Buena Vista P.P. to Teerink Pumping Plant						
Inflow, Buena Vista P.P.	57,855	45,551	43,780	36,880	43,613	47,614
Deliveries to State Contractors	1,842	3,104	5,479	8,947	14,677	15,603
Inflow, Pump in and Payback	7,362	6,281	4,740	4,877	2,236	4,572
Outflow, Teerink Pumping Plant	65,764	47,662	42,407	31,888	28,615	34,537
Change in Storage	15	286	223	-82	-204	95
Computed Losses (-), Gains (+)	2,404	-780	-411	-1,004	-2,761	-1,951
California Aqueduct, Teerink Pumping Plant to Chrisman Pumping Plant						
Inflow, Teerink Pumping Plant	65,764	47,662	42,407	31,888	28,615	34,537
Inflow, Payback	51	477	516	662	291	154
Deliveries to State Contractors	89	294	373	911	2,480	2,728
Outflow, Chrisman Pumping Plant	61,740	44,709	40,530	30,363	24,924	30,689
Change in Storage	-8	55	8	25	-208	178
Computed Losses (-), Gains (+)	-3,994	-3,081	-2,012	-1,252	-1,710	-1,096
California Aqueduct, Chrisman Pumping Plant to Edmonston Pumping Plant						
Inflow, Chrisman Pumping Plant	61,740	44,709	40,530	30,363	24,924	30,689
Deliveries to State Contractors	523	666	641	927	2,678	3,073
Outflow, Edmonston Pumping Plant	60,781	44,370	39,810	29,277	22,566	27,661
Change in Storage	6	114	16	67	-72	-45
Computed Losses (-), Gains (+)	-431	441	-63	-92	248	0
Coastal Branch, California Aqueduct						
Inflow, Las Perillas P.P.	2,378	5,272	3,903	6,565	12,612	16,578
B.M.W.S.D. Pumpback	0	0	0	0	0	0
Deliveries to State Contractors	2,386	5,229	3,764	6,074	11,701	14,844
Deliveries to Fed. Customers	0	0	0	0	0	0
Change in Storage	81	7	8	6	14	56
Computed Losses (-), Gains (+)	89	-36	-131	-485	-897	-1,678

Table 22. Summary of California Aqueduct Operations

2014

(in acre-feet)

Jul	Aug	Sep	Oct	Nov	Dec	Total	Description
							SAN LUIS FIELD DIVISION (Cont.)
							California Aqueduct (Pools 14 thru 21)
149,320	100,389	40,987	25,163	5,255	22,099	579,232	Inflow, Dos Amigos P.P.(State)
49,516	23,872	16,730	12,663	5,179	3,321	282,982	Inflow, Dos Amigos P.P.(Fed. and Other)
198,836	124,261	57,717	37,826	10,434	25,420	862,214	Total Inflow, Dos Amigos P.P.
583	4,629	5,520	7,547	2,956	0	22,992	Flow into Aqueduct
20	1	1	0	0	0	42	Deliveries to Dept. of Fish and Game (State)
16	1	0	0	0	0	33	Deliveries to Dept. of Fish and Game (Fed.)
0	0	0	0	0	0	0	Miscellaneous Outflow
5,556	2,997	1,938	117	26	28	11,987	Deliveries, SWP Trans. to Fed. Customers
48,493	24,886	18,740	15,598	5,155	1,326	279,885	Deliveries to Fed. Customers
141,673	95,642	40,761	25,864	6,108	20,720	558,166	Outflow, Check 21 (State)
0	1,201	2,719	2,957	2,445	1,572	12,799	Outflow, Check 21 (Fed.)
367	375	-800	-273	-528	834	145	Change in Storage
-3,294	-3,787	122	-1,110	-184	-940	-22,149	Computed Losses (-), Gains (+)
							SAN JOAQUIN FIELD DIVISION
							California Aqueduct, Check 21 to Buena Vista Pumping Plant
141,673	95,642	40,761	25,864	6,108	20,720	558,166	Inflow, Check 21 (State)
0	1,201	2,719	2,957	2,445	1,572	12,799	Inflow, Check 21 (Fed.)
141,673	96,843	43,480	28,821	8,553	22,292	570,965	Total Inflow, Check 21
0	0	0	0	0	0	0	Kern River Intertie (Inflow)
0	0	0	0	0	0	0	Kern River Intertie (Outflow)
53,785	41,278	23,302	8,702	2,561	1,911	236,176	Deliveries to State Contractors
0	1,201	2,719	2,957	2,445	1,572	12,799	Deliveries to Fed. Customers
24,380	24,618	32,555	42,497	44,022	42,813	423,033	Miscellaneous Pump In
93,722	60,362	39,998	53,995	45,807	60,179	629,356	Outflow, Buena Vista P.P.
18,229	18,295	9,858	4,751	1,674	890	101,005	Coastal Br. Diversion (Las Perillas P.P.)
568	-147	-32	-106	-80	-309	-116	Change in Storage
250	-472	-190	-1,019	-168	-862	-14,778	Computed Losses (-), Gains (+)
							California Aqueduct, Buena Vista P.P. to Teerink Pumping Plant
93,722	60,362	39,998	53,995	45,807	60,179	629,356	Inflow, Buena Vista P.P.
14,627	11,304	9,609	8,517	3,313	2,479	99,501	Deliveries to State Contractors
3,052	4,084	3,352	5,532	9,436	9,505	65,029	Inflow, Pump in and Payback
81,137	52,385	33,818	50,441	52,546	72,158	593,358	Outflow, Teerink Pumping Plant
-20	187	-207	-126	311	-484	-5	Change in Storage
-1,030	-570	-130	-695	927	4,469	-1,531	Computed Losses (-), Gains (+)
							California Aqueduct, Teerink Pumping Plant to Chrisman Pumping Plant
81,137	52,385	33,818	50,441	52,546	72,158	593,358	Inflow, Teerink Pumping Plant
202	408	474	495	1,108	1,124	5,962	Inflow, Payback
2,413	656	542	103	81	114	10,784	Deliveries to State Contractors
77,621	52,675	33,118	51,130	52,431	70,409	570,339	Outflow, Chrisman Pumping Plant
19	17	6	6	-60	5	42	Change in Storage
-1,286	555	-626	303	-1,202	-2,754	-18,155	Computed Losses (-), Gains (+)
							California Aqueduct, Chrisman Pumping Plant to Edmonston Pumping Plant
77,621	52,675	33,118	51,130	52,431	70,409	570,339	Inflow, Chrisman Pumping Plant
3,286	2,564	2,138	1,428	243	506	18,673	Deliveries to State Contractors
73,215	48,203	29,646	48,013	49,303	69,542	542,387	Outflow, Edmonston Pumping Plant
62	39	7	-25	-23	43	188	Change in Storage
-1,058	-1,870	-1,327	-1,714	-2,908	-318	-9,091	Computed Losses (-), Gains (+)
							Coastal Branch, California Aqueduct
18,229	18,295	9,858	4,751	1,674	890	101,005	Inflow, Las Perillas P.P.
0	0	0	0	0	0	0	B.M.W.S.D. Pumpback
16,810	17,207	8,908	4,845	1,695	906	94,369	Deliveries to State Contractors
0	0	0	0	0	0	0	Deliveries to Fed. Customers
-50	-18	12	4	-27	-6	87	Change in Storage
-1,469	-1,106	-938	98	-6	10	-6,549	Computed Losses (-), Gains (+)

**Table 22. Summary of California Aqueduct Operation
2014
(in acre-feet)**

Description	Jan	Feb	Mar	Apr	May	Jun
SOUTHERN FIELD DIVISION						
California Aqueduct, Edmonston Pumping Plant to Junction of West Branch						
Inflow, Edmonston Pumping Plant	60,781	44,370	39,810	29,277	22,566	27,661
Outflow, West Branch	40,827	28,147	35,597	16,260	2,024	1,052
Outflow, East Branch	19,973	16,218	4,230	13,015	20,518	26,583
Deliveries to State Contractors	1	0	0	0	0	0
Change in Storage	-7	7	-7	-1	4	0
Computed Losses (-), Gains (+)	13	2	10	-3	-20	-26
California Aqueduct, Junction of West Branch to Pearblossom P.P.						
Inflow (Aqueduct)	19,973	16,218	4,230	13,015	20,518	26,583
Turn In Water	0	0	0	0	0	0
Deliveries to State Contractors	2,921	1,049	738	1,456	3,097	3,749
Outflow, Pearblossom P.P.	17,775	14,642	5,047	11,156	16,214	20,885
Change in Storage	233	641	-758	177	-340	41
Computed Losses (-), Gains (+)	956	114	797	-226	-1,547	-1,908
California Aqueduct, Pearblossom P.P. to Silverwood Lake						
Inflow, Pearblossom P.P.	17,775	14,642	5,047	11,156	16,214	20,885
Deliveries (Exchange of Natural Inflow)	334	47	11	1	42	23
Exchange of Natural Inflow (Los Flores T.O.)	513	0	494	562	663	101
Outflow to Silverwood Lake	17,304	14,571	4,302	10,557	16,207	20,907
Change in Storage	-80	120	-65	37	-264	270
Computed Losses (-), Gains (+)	296	96	-305	1	434	416
Silverwood Lake Operation						
Inflow, Project	17,304	14,571	4,302	10,557	16,207	20,907
Inflow, Natural	41	454	1,011	277	38	0
Deliveries to State Contractors	116	80	74	73	134	214
Recreation Deliveries	2	1	1	4	7	8
Outflow, Natural Inflow Released	8	34	538	8	8	8
Outflow, At San Bernardino Tunnel	16,078	13,866	7,463	7,834	17,688	19,807
Change in storage	1,069	1,068	-2,879	2,783	-1,909	264
Computed Losses (-), Gains (+)	-72	24	-116	-132	-317	-606
California Aqueduct, Silverwood Lake to Lake Perris						
Inflow, SBMWD Reverse Flow	0	109	629	142	74	0
Inflow, San Bernardino Tunnel	16,078	13,866	7,463	7,834	17,688	19,807
Outflow, East Branch Ext. Deliveries	1,789	7	17	662	1,343	1,605
Deliveries to State Contractors	11,546	11,127	7,408	7,164	13,643	16,431
Outflow to Lake Perris	2,863	2,990	0	223	2,679	1,675
Change in Storage	-116	-165	19	-89	81	74
Operational Losses (-), Gains (+)	4	-16	-648	-16	-16	-22
Lake Perris Operation						
Inflow	2,863	2,990	0	223	2,679	1,675
Deliveries to State Contractors	2,264	1,315	3,467	5,148	3,084	1,833
Recreation and Habitat Deliveries	25	1	1	0	0	0
Outflow (Reverse Flow)	0	109	629	142	74	0
Change in Storage	-242	1,474	-4,310	-6,328	-1,526	-1,407
Computed Losses (-), Gains (+)	-816	-91	-213	-1,261	-1,047	-1,249

Table 22. Summary of California Aqueduct Operations

2014

(in acre-feet)

Jul	Aug	Sep	Oct	Nov	Dec	Total	Description
SOUTHERN FIELD DIVISION							
California Aqueduct, Edmonston Pumping Plant to Junction of West Branch							
73,215	48,203	29,646	48,013	49,303	69,542	542,387	Inflow, Edmonston Pumping Plant
46,465	18,954	8,292	27,416	39,402	56,897	321,333	Outflow, West Branch
26,760	29,210	21,346	20,577	9,909	12,660	220,999	Outflow, East Branch
0	0	0	0	0	0	1	Deliveries to State Contractors
-16	20	-9	-1	3	-1	-8	Change in Storage
-6	-19	-17	-21	11	14	-62	Computed Losses (-), Gains (+)
California Aqueduct, Junction of West Branch to Pearblossom P.P.							
26,760	29,210	21,346	20,577	9,909	12,660	220,999	Inflow (Aqueduct)
94	196	190	187	188	191	1,046	Turn In Water
4,093	3,907	3,077	2,002	1,105	701	27,895	Deliveries to State Contractors
22,346	24,148	16,679	17,005	9,743	13,533	189,173	Outflow, Pearblossom P.P.
-79	-64	530	152	52	-371	214	Change in Storage
-494	-1,415	-1,250	-1,605	803	1,012	-4,763	Computed Losses (-), Gains (+)
California Aqueduct, Pearblossom P.P. to Silverwood Lake							
22,346	24,148	16,679	17,005	9,743	13,533	189,173	Inflow, Pearblossom P.P.
29	31	301	542	1,217	46	2,624	Deliveries (Exchange of Natural Inflow)
405	67	305	292	270	162	3,834	Exchange of Natural Inflow (Los Flores T.O.)
22,341	23,942	15,683	16,387	9,201	13,841	185,243	Outflow to Silverwood Lake
-129	34	360	185	-332	73	209	Change in Storage
300	-74	-30	401	613	589	2,737	Computed Losses (-), Gains (+)
Silverwood Lake Operation							
22,341	23,942	15,683	16,387	9,201	13,841	185,243	Inflow, Project
0	0	0	0	0	303	2,124	Inflow, Natural
232	225	142	125	101	97	1,613	Deliveries to State Contractors
10	6	6	5	2	2	54	Recreation Deliveries
8	7	7	7	6	109	748	Outflow, Natural Inflow Released
22,621	22,172	15,005	14,417	9,913	14,908	181,772	Outflow, At San Bernardino Tunnel
-988	922	189	1,493	-1,531	-1,053	-572	Change in storage
-458	-610	-334	-340	-710	-81	-3,752	Computed Losses (-), Gains (+)
California Aqueduct, Silverwood Lake to Lake Perris							
0	0	0	0	0	0	954	Inflow, SBMWD Reverse Flow
22,621	22,172	15,005	14,417	9,913	14,908	181,772	Inflow, San Bernardino Tunnel
2,211	2,378	2,150	1,311	537	457	14,467	Outflow, East Branch Ext. Deliveries
17,228	18,386	12,689	12,584	9,279	8,259	145,744	Deliveries to State Contractors
3,099	1,496	182	425	139	6,191	21,962	Outflow to Lake Perris
52	-121	-39	86	-48	-7	-273	Change in Storage
-31	-33	-23	-11	-6	-8	-826	Operational Losses (-), Gains (+)
Lake Perris Operation							
3,099	1,496	182	425	139	6,191	21,962	Inflow
792	141	5,900	3,883	4,492	1,801	34,120	Deliveries to State Contractors
0	0	0	0	0	0	27	Recreation and Habitat Deliveries
0	0	0	0	0	0	954	Outflow (Reverse Flow)
1,718	224	-6,817	-4,407	-5,189	4,305	-22,505	Change in Storage
-589	-1,131	-1,099	-949	-836	-85	-9,366	Computed Losses (-), Gains (+)

Table 22. Summary of California Aqueduct Operation

2014

(in acre-feet)

Description	Jan	Feb	Mar	Apr	May	Jun
SOUTHERN FIELD DIVISION (Cont.)						
West Branch California Aqueduct Tehachapi Afterbay to Oso P.P.						
Inflow	40,827	28,147	35,597	16,260	2,024	1,052
Outflow, Oso Pumping Plant	40,888	28,129	35,651	16,253	1,948	973
Change in Storage	-22	22	-20	-2	11	1
Computed Losses (-), Gains (+)	39	4	34	-9	-65	-78
West Branch California Aqueduct Oso P.P. to Pyramid Lake						
Inflow, Oso P.P.	40,888	28,129	35,651	16,253	1,948	973
Deliveries to State Contractors	0	0	0	0	0	0
Outflow Through Warne to Pyramid Lake	40,236	26,941	35,720	15,043	1,159	924
Change in Storage	-584	698	-919	721	274	-457
Operational Losses (-), Gains (+)	-1,236	-490	-850	-489	-515	-506
Pyramid Lake Operation						
Inflow, Project	40,236	26,941	35,720	15,043	1,159	924
Inflow, Natural	376	803	2,582	422	233	104
Inflow, Pumpback from Elderberry Forebay	5,129	134	0	0	3,948	35,206
Deliveries (Fish Enhancement)	0	0	0	0	0	0
Deliveries to State Contractors	6	4	3	5	6	7
Deliveries to Dept. of Parks and Rec. (State)	0	0	0	0	0	0
Outflow, Pyramid Diversion	376	387	2,179	589	480	380
Outflow, Angeles Tunnel	43,856	27,068	35,733	17,040	4,588	36,779
Change in Storage	884	513	-372	-3,227	-557	-1,877
Computed Losses (-), Gains (+)	-619	94	-759	-1,058	-823	-945
Elderberry Forebay Operation						
Inflow, Project through Castaic P-G Plant	43,856	27,068	35,733	17,040	4,588	36,779
Inflow, Natural	0	32	108	0	0	0
Outflow, Pumpback to Pyramid Lake	5,129	134	0	0	3,948	35,206
Outflow, Released to Castaic Lake	40,998	26,109	32,753	21,171	0	0
Change in Storage	-2,609	859	3,583	-4,218	725	1,452
Computed Losses (-), Gains (+)	-338	2	495	-87	85	-121
Castaic Lake Operation						
Inflow	40,998	26,109	32,753	21,171	0	0
Inflow, Natural	7	205	428	49	2	0
Deliveries to State Contractors	49,177	32,713	35,988	39,258	46,633	47,535
Deliveries to Recreation	2	0	0	2	6	6
Deliveries to Recreation (Lagoon)	0	0	0	0	0	0
Outflow, (LADWP to Lagoon)	60	39	154	88	678	232
Change in Storage	-8,905	-6,181	-4,105	-18,572	-47,240	-48,422
Computed Losses (-), Gains (+)	-671	257	-1,144	-444	75	-649
Castaic Lagoon Operation						
Inflow	0	0	0	0	0	0
Inflow, Project	60	39	154	88	678	232
Inflow, Non-project	0	0	0	0	0	0
Outflow	184	168	184	178	184	178
Inflow (Deliveries to Recreation)	0	0	0	0	0	0
Change in Storage	-132	-136	9	-111	271	-102
Computed Losses (-), Gains (+)	-8	-7	39	-21	-223	-156

Table 22. Summary of California Aqueduct Operations

2014

(in acre-feet)

Jul	Aug	Sep	Oct	Nov	Dec	Total	Description
							SOUTHERN FIELD DIVISION (Cont.)
							West Branch California Aqueduct Tehachapi Afterbay to Oso P.P.
46,465	18,954	8,292	27,416	39,402	56,897	321,333	Inflow
46,496	18,833	8,267	27,355	39,426	56,943	321,162	Outflow, Oso Pumping Plant
-51	63	-26	-5	9	-5	-25	Change in Storage
-20	-58	-51	-66	33	41	-196	Computed Losses (-), Gains (+)
							West Branch California Aqueduct Oso P.P. to Pyramid Lake
46,496	18,833	8,267	27,355	39,426	56,943	321,162	Inflow, Oso P.P.
0	0	0	0	0	0	0	Deliveries to State Contractors
44,283	16,895	7,572	28,561	38,452	56,097	311,883	Outflow Through Warne to Pyramid Lake
-455	980	63	-1,386	341	844	120	Change in Storage
-2,668	-958	-632	-180	-633	-2	-9,159	Operational Losses (-), Gains (+)
							Pyramid Lake Operation
44,283	16,895	7,572	28,561	38,452	56,097	311,883	Inflow, Project
98	122	115	108	170	889	6,022	Inflow, Natural
23,784	22,620	13,034	6,132	2,682	0	112,669	Inflow, Pumpback from Elderberry Forebay
0	0	0	0	0	0	0	Deliveries (Fish Enhancement)
5	2	3	1	1	1	44	Deliveries to State Contractors
0	0	0	0	0	0	0	Deliveries to Dept. of Parks and Rec. (State)
230	184	171	166	149	812	6,103	Outflow, Pyramid Diversion
63,753	37,244	18,411	34,701	38,933	53,022	411,128	Outflow, Angeles Tunnel
3,373	829	1,087	-1,432	792	473	486	Change in Storage
-804	-1,378	-1,049	-1,365	-1,429	-2,678	-12,813	Computed Losses (-), Gains (+)
							Elderberry Forebay Operation
63,753	37,244	18,411	34,701	38,933	53,022	411,128	Inflow, Project through Castaic P-G Plant
0	0	0	0	0	45	185	Inflow, Natural
23,784	22,620	13,034	6,132	2,682	0	112,669	Outflow, Pumpback to Pyramid Lake
							Outflow, Released to
41,271	14,390	4,323	30,106	34,544	53,320	298,985	Castaic Lake
-1,376	560	733	-2,068	1,297	-314	-1,376	Change in Storage
-74	326	-321	-531	-410	-61	-1,035	Computed Losses (-), Gains (+)
							Castaic Lake Operation
41,271	14,390	4,323	30,106	34,544	53,320	298,985	Inflow
0	0	0	0	0	2,165	2,856	Inflow, Natural
40,396	34,544	29,661	42,510	33,153	32,329	463,897	Deliveries to State Contractors
5	6	5	6	8	1	47	Deliveries to Recreation
0	0	0	0	0	0	0	Deliveries to Recreation (Lagoon)
0	0	0	0	0	1,254	2,505	Outflow, (LADWP to Lagoon)
946	-21,146	-25,575	-10,097	0	20,982	-168,315	Change in Storage
76	-986	-232	2,313	-1,383	-919	-3,707	Computed Losses (-), Gains (+)
							Castaic Lagoon Operation
0	0	0	0	0	0	0	Inflow
0	0	0	0	0	1,254	2,505	Inflow, Project
0	0	0	0	0	0	0	Inflow, Non-project
184	184	178	184	180	186	2,172	Outflow
0	0	0	0	0	0	0	Inflow (Deliveries to Recreation)
-314	-316	0	0	0	1,254	423	Change in Storage
-130	-132	178	184	180	186	90	Computed Losses (-), Gains (+)