



August 31, 2009

Mr. Ken Manning
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Subject: Annual Streamflow Monitoring Report for Fiscal 2008/09, Water Rights Permit 21225

Dear Mr. Manning:

Wildermuth Environmental, Inc. (WEI) hereby submits the First Annual Streamflow Monitoring Report which was prepared at your direction and pursuant to Term 10 of Watermaster's Water Rights Permit 21225. Per the terms of the March 20, 2007 Stipulation, Watermaster and the California Department of Fish and Game have agreed that Watermaster will prepare estimates of the monthly changes in discharge in each tributary of the Santa Ana River from which stormwater is diverted, prepare annual reports describing the data and methods used to prepare these estimates and submit these annual reports to the Department of Fish and Game by September 1 of each year. Each annual report will be prepared for the 12-month period running from July 1 through June 30. This report describes the data collected and the methodology for assessing impacts from stormwater diversions and summarizes the diversion analysis for each tributary system for the period July 1, 2008 through June 30, 2009.

DATA COLLECTION AND METHODOLOGY

There are four main tributary systems to the Santa Ana River from which stormwater and dry-weather discharges are diverted for groundwater recharge: Chino Creek, Cucamonga Creek, Day Creek, and San Sevaine Creek. These creeks, their drainage areas, and other significant hydrologic features are shown in Figure 1.

Two of the four systems, Chino and Cucamonga, are equipped with USGS stream gages from which average daily discharge data are available. The data collected from these USGS gages, stormwater and dry-weather discharge diversions measured and reported by the Inland Empire Utilities Agency (IEUA), and discharge data collected on other known point discharges (e.g. recycled water discharges) are used to calculate the discharge of Chino and Cucamonga Creeks, which enter the Prado Dam Reservoir. These data are also used to construct hydrographs for each tributary as they would have been without the stormwater and dry-weather discharge diversions. Cucamonga Creek discharges into Chino Creek within the Prado Dam Reservoir just upstream of the Prado Dam and subsequently combines with Santa Ana River in the reservoir.

Day Creek and San Sevaine Creek are not equipped with USGS gage stations. In lieu of measured stormwater and dry-weather discharge data, the hydrographs for these two systems were estimated with WEI's Waste Load Allocation Model (WLAM). The WLAM uses recharge basin and stream channel characteristics, daily precipitation, and land use characteristics to

collect and route stormwater, non-tributary, and dry-weather discharges through the Santa Ana River Watershed. The WLAM was developed for and is used by the Santa Ana Regional Water Quality Control Board (Regional Board) to evaluate volumetric and water quality impacts from existing and planned recycled water discharges to the surface and groundwater resources of the watershed (WEI, 2009). In addition, Watermaster used the WLAM to develop its Recharge Master Plan and continues to use it to estimate cumulative changes in surface water discharge (WEI, 2007).

Daily average discharge tables for key hydrologic components and for the aggregate of hydrologic components have been included in the appendices.

DISCHARGE IMPACT ANALYSIS

During fiscal 2008/09, Watermaster diverted a total of 7,596 acre-feet (acre-ft) of stormwater and dry-weather discharge to spreading basins on the Chino, Cucamonga, Day, and San Sevaine tributary systems. Table 1 summarizes, by tributary, the monthly recharge volumes diverted to each spreading basin. The impacts of these diversions are analyzed below.

Chino Creek

Figure 1 shows the locations of the Chino Creek system, Watermaster's points of diversion, the two USGS gaging stations, and the three points where the IEUA discharges recycled water. Impacts to daily discharge were assessed on Chino Creek where recycled water from the RP1 recycling plant discharges to Chino Creek (*Point of Discharge Estimation* on Figure 1). The average daily discharge entering the Prado Dam Reservoir for fiscal 2008/09 was estimated based on the average daily discharge measured at the lowest USGS gage (11073360) plus the average daily discharge from each of the three IEUA recycled water points (Carbon Canyon, RP1,¹ and RP5). Tables A1 and A2 show the average daily discharge at USGS gage 11073360² and the total daily discharge from the IEUA's recycling plants to Chino Creek. The resulting daily discharge time history approximates actual daily discharge with Watermaster's diversions. This discharge time history is summarized in Table 2a and shown in detail in Table A3.

The time history of average daily stormwater and dry-weather discharge diversions is summarized in Table 2a and shown in detail in Table A4. When combined, the daily discharge time histories from Tables A3 and A4 yield the approximate daily discharge time history without Watermaster's diversions. This discharge time history is summarized in Table 2a and shown in detail in Table A5.

The change in discharge entering the Prado Dam Reservoir was estimated by subtracting the *without* stormwater and dry-weather discharge time history from the *with* stormwater and dry-weather discharge time history. This change in discharge is summarized in Table 2a and shown in detail in Table A6. The total discharge entering the Prado Dam Reservoir from Chino Creek during the fiscal year was estimated to be about 30,000 acre-ft, ranging from a low of about 1,800 acre-ft/month to a high of about 4,500 acre-ft/month. Most of the diversions occurred during the period of November to March and were coincident with the larger storm events of the year in December through February. About 4 percent of the total discharge was diverted for recharge. The total discharge is shown in Figure 2a as a stacked bar chart for monthly totals

¹ Note that the IEUA RP1 recycling plant discharges to Chino Creek and Cucamonga Creek.

² Stormwater discharge from about 53 percent of the watershed tributary to the Chino Creek point of discharge estimation is not included in the gage totals. Thus the relative change in discharge from Watermaster diversion is significantly overstated.

and an x-y plot for the average daily discharge. Figure 2a shows the relationship of the individual stormwater events to the monthly diversion and recharge totals³. Figure 2a also illustrates the relative magnitude of the diversions to recharge and to estimated discharge entering the Prado Dam Reservoir.

Cucamonga Creek System

Figure 1 shows the location of the Cucamonga Creek System, Watermaster's points of diversion, the two USGS gaging stations, and the point where the IEUA discharges recycled water from RP1. Impacts to daily discharge were assessed where the concrete-lined channel of Cucamonga Creek ends, just as it enters the Prado Dam Reservoir (*Point of Discharge Estimation* on Figure 1). The average daily discharge entering the Prado Dam Reservoir for fiscal 2008/09 was estimated based on the average daily discharge measured at the lowest USGS gage (11073495)⁴. This discharge time history is summarized in Table 2b and shown in detail in Table B1.

The time history of average daily stormwater and dry-weather discharge diversions is summarized in Table 2b and shown in detail in Table B2. When combined, the daily discharge time histories from Tables B1 and B2 yield the approximate daily discharge time history without Watermaster's diversions. This discharge time history is summarized in Table 2b and shown in detail in Table B3.

The change in discharge entering the Prado Dam Reservoir was estimated by subtracting the *without* stormwater and dry-weather discharge time history from the *with* stormwater and dry-weather discharge time history. This change in discharge is summarized in Table 2b and shown in detail in Table B4. The total discharge entering the Prado Dam Reservoir from Cucamonga Creek during the fiscal year was estimated to be about 28,000 acre-ft, ranging from a low of about 1,300 acre-ft/month to a high of about 5,400 acre-ft/month. Most of the diversions occurred during the period of November to February and were coincident with the larger storm events of the year in December through February. About 12 percent of the total discharge was diverted for recharge. The total discharge is shown in Figure 2b as a stacked bar chart for monthly totals and an x-y plot for average daily discharge. Figure 2b shows the relationship of the individual stormwater events to the monthly diversion and recharge totals. Figure 2b also illustrates the relative magnitude of the diversions to recharge and to estimated discharge entering the Prado Dam Reservoir.

Day Creek

Figure 1 shows the locations of the Day Creek System, Watermaster's points of diversion, and the confluence of the Day Creek with the Santa Ana River (*Point of Discharge Estimation* on Figure 1). The average daily discharge to the Santa Ana River for fiscal 2008/09 without storm and dry-weather discharge diversions was estimated with the WLAM. This discharge time history is summarized in Table 2c and shown in detail in Table C1.

The time history of average daily stormwater and dry-weather discharge diversions is summarized in Table 2a and shown in detail in Table C2. Subtracting the daily diversion time history of Table C2 from the daily discharge time history of Table C1 yields an estimated time

³ Compare the daily hydrograph to the proximate months discharge shown in bar graph

⁴ Stormwater discharge from about 13 percent of the watershed tributary to the Cucamonga Creek point of discharge estimation is not included in the gage totals. Thus the relative change in discharge from Watermaster diversion is somewhat overstated.

history of daily discharge from Day Creek to the Santa Ana River. This discharge time history is summarized in Table 2c and shown in detail in Table C3.

The change in daily discharge from Day Creek to the Santa Ana River was estimated by subtracting the *without* stormwater and dry-weather discharge time history from the *with* stormwater and dry-weather discharge time history. This change in discharge is summarized in Table 2c and shown in detail in Table C4. Total Day Creek discharge to the Santa Ana River during the fiscal year was estimated to be about 2,800 acre-ft, ranging from a low of 0 acre-ft/month to a high of about 1,500 acre-ft/month. Most of the diversions occurred during the period of November to March and were coincident with the larger storm events of the year in December through February. About 14 percent of the total discharge was diverted for recharge. Total discharge is shown in Figure 2c as a stacked bar chart for monthly totals and an x-y plot for average daily discharge for Day Creek and the Santa Ana River at MWD Crossing (11064600). Figure 2c shows the relationship of the individual stormwater events to the monthly diversion and recharge totals. Figure 2c also illustrates the relative magnitude of the diversions to recharge to estimated discharge in the Santa Ana River at USGS gage 11064600, the closest upstream gage on the Santa Ana River. The change in discharge relative to Santa Ana River discharge, as represented at USGS gage 11064600, is less than 1 percent.

San Sevaine Creek

Figure 1 shows the locations of the San Sevaine Creek System, Watermaster's points of diversion, and the confluence of the San Sevaine Creek with the Santa Ana River (*Point of Discharge Estimation* on Figure 1). The average daily discharge to the Santa Ana River for fiscal 2008/09 without storm and dry-weather discharge diversions was estimated with the WLAM. This discharge time history is summarized in Table 2d and shown in detail in Table D1.

The time history of average daily stormwater and dry-weather discharge diversions is summarized in Table 2d and shown in detail in Table D2. Subtracting the daily diversion time history of Table D2 from the daily discharge time history of Table D1 yields an estimated time history of daily discharge from San Sevaine Creek to the Santa Ana River. This discharge time history is summarized in Table 2d and shown in detail in Table D3.

The change in daily discharge from San Sevaine Creek to the Santa Ana River was estimated by subtracting the *without* stormwater and dry-weather discharge time history from the *with* stormwater and dry-weather discharge time history. This change in discharge is summarized in Table 2d and shown in detail in Table D4. Total San Sevaine Creek discharge to the Santa Ana River during the fiscal year was estimated to be about 3,500 acre-ft, ranging from a low of 0 acre-ft/month to a high of about 1,900 acre-ft/month. Most of the diversions occurred during the period of November to March and were coincident with the larger storm events of the year in December through February. About 38 percent of the total discharge was diverted for recharge. Total discharge is shown in Figure 2d as a stacked bar chart for monthly totals and an x-y plot for average daily discharge for San Sevaine Creek and the Santa Ana River at MWD Crossing (11064600). Figure 2d shows the relationship of the individual stormwater events to the monthly diversion and recharge totals. Figure 2d also illustrates the relative magnitude of the diversions to recharge to estimated discharge in the Santa Ana River at USGS gage 11064600, the closest upstream gage on the Santa Ana River. The change in discharge relative to Santa Ana River discharge, as represented at USGS gage 11064600, is about 3 percent.

Should you have any questions regarding the information contained herein, please call me or Samantha Stevens at (949) 420-3030.

Respectfully,

Wildermuth Environmental, Inc.



Mark J. Wildermuth, MS, RCE 32331 (exp 12/31/2010)
Chairman



Samantha Stevens
Senior Scientist

Encl. Tables 1, 2a through 2d; Figures 1 and 2a through 2d; and Appendices A through D

Table 1
Total Monthly Stormwater Recharge¹ -- FY 2008/09
(acre-ft)

Tributary System	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Chino Creek													
College Heights East	0	0	0	0	0	0	0	0	0	0	0	0	0
College Heights West	0	0	0	0	0	0	0	0	0	0	0	0	0
Upland	0	0	0	3	16	102	5	141	4	3	0	0	274
Montclair	6	0	0	1	53	200	19	321	13	17	0	0	630
Brooks	3	2	0	0	23	162	7	208	8	1	0	0	414
<i>Tributary Total</i>	9	2	0	4	93	463	31	670	25	20	0	0	1,317
Cucamonga Creek													
7th and 8th	31	16	15	16	137	352	35	458	20	15	16	30	1,140
Ely	17	13	5	17	114	284	38	399	35	52	8	5	988
Turner 1&2	7	3	2	15	81	344	29	345	47	11	18	62	963
Turner 3&4	4	5	14	37	36	50	10	68	10	2	1	15	251
Grove	0	0	0	0	13	160	3	213	7	3	3	3	404
<i>Tributary Total</i>	58	37	36	85	381	1,189	115	1,482	119	83	46	115	3,745
Day Creek													
Lower Day	0	3	2	2	8	66	4	67	13	0	0	3	168
Etiwanda Debris	0	0	0	0	0	12	0	13	3	0	0	0	28
Victoria	3	3	2	4	35	74	15	95	13	3	3	0	249
<i>Tributary Total</i>	3	6	4	6	43	151	19	175	30	3	3	3	445
San Sevaine Creek													
San Sevaine	0	0	0	0	8	86	16	107	6	0	0	17	240
Hickory	18	6	3	3	3	35	0	63	31	8	18	11	198
Banana	31	45	34	36	50	87	5	95	0	0	0	0	384
RP3	9	16	16	13	27	155	12	273	46	18	6	21	611
Declez	19	4	7	14	73	207	26	224	51	5	6	20	655
<i>Tributary Total</i>	78	72	60	66	161	569	58	762	134	31	29	68	2,089
Grand Total	147	116	100	161	678	2,373	223	3,088	308	137	78	186	7,596

¹ Recharge volumes represent diversions of both stormwater and local runoff

Table 2a
Impact of Stormwater Diversions on Total Monthly Discharge Entering the Prado Dam Reservoir from Chino Creek for FY 2008/09
 (acre-ft)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09	Total
Discharge in Chino Creek at USGS Gage 11073360 (with diversions)	106	119	150	48	637	1,249	105	1,977	177	59	46	39	4,712
Recycled Water Discharge	1,652	1,805	1,723	1,841	2,323	2,695	2,631	2,481	2,270	1,981	1,995	1,914	25,310
Discharge Entering the Prado Dam Reservoir <i>with</i> Stormwater and Dry Weather Diversions	1,757	1,924	1,873	1,889	2,959	3,944	2,736	4,458	2,447	2,040	2,041	1,953	30,022
Stormwater and Dry-Weather Discharge Diversions	9	2	0	4	92	463	31	669	25	20	0	0	1,317
Discharge Entering the Prado Dam Reservoir <i>without</i> Stormwater and Dry-Weather Diversions	1,766	1,926	1,873	1,893	3,052	4,407	2,767	5,127	2,473	2,060	2,041	1,953	31,338
Change in Discharge Entering the Prado Dam Reservoir Caused by Stormwater and Dry-Weather Diversions	-9	-2	0	-4	-92	-463	-31	-669	-25	-20	0	0	-1,317
Percent Change in Discharge Relative to Discharge without Diversions	-0.50%	-0.11%	0.00%	-0.21%	-3.03%	-10.51%	-1.12%	-13.06%	-1.02%	-0.99%	0.00%	0.00%	-4.20%

Table 2b

**Impact of Stormwater Diversions on Total Monthly Discharge Entering the Prado Dam Reservoir from Cucamonga Creek for FY 2008/09
(acre-ft)**

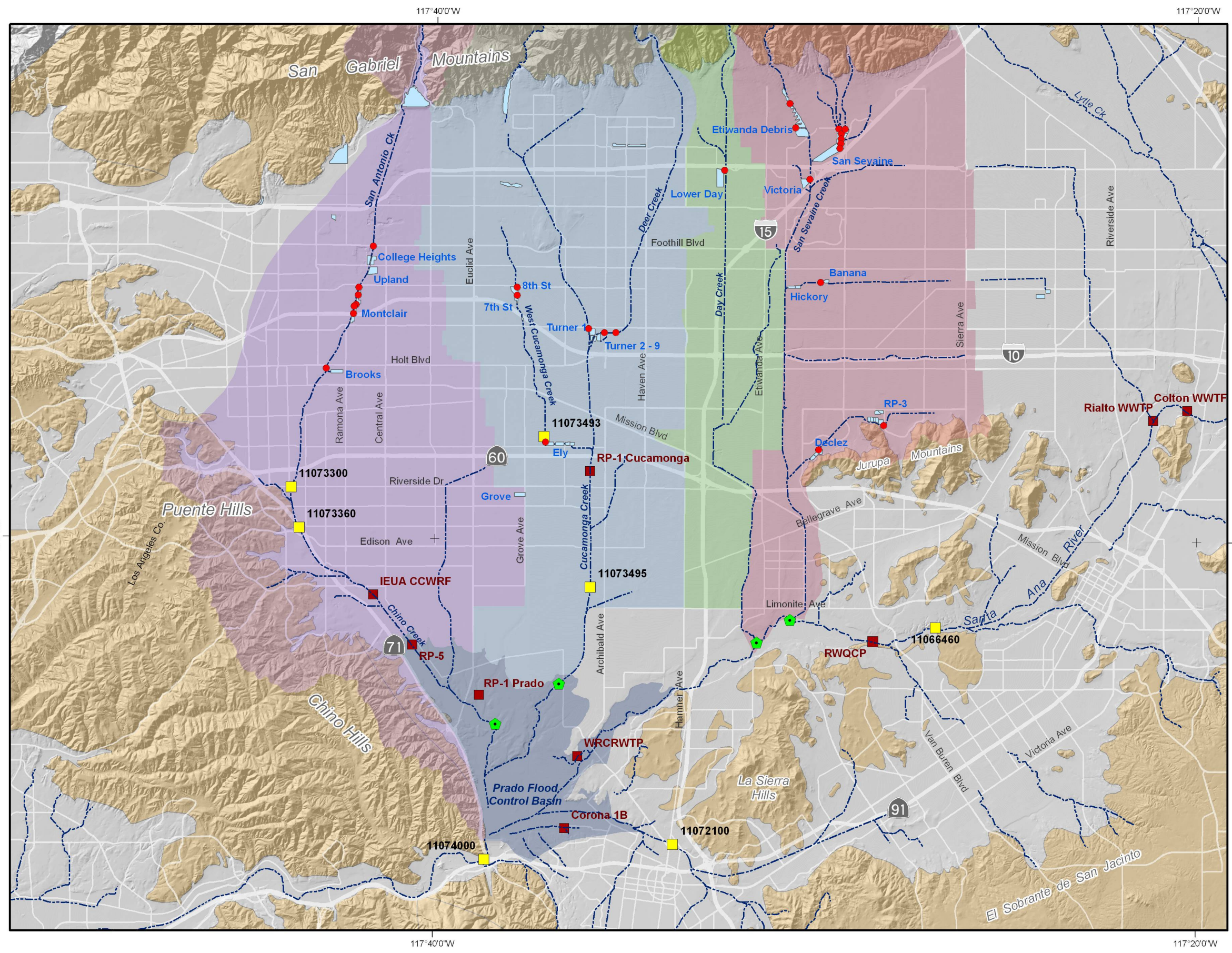
	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09	Total
Discharge Entering the Prado Dam Reservoir <i>with</i> Stormwater and Dry-Weather Diversions	1,696	1,436	1,500	1,638	2,561	5,113	1,940	5,397	2,277	1,380	1,724	1,321	27,983
Stormwater and Dry-Weather Discharge Diversions	58	37	36	85	381	1,189	115	1,482	119	83	46	115	3,744
Discharge Entering the Prado Dam Reservoir <i>without</i> Stormwater and Dry-Weather Diversions	1,754	1,473	1,535	1,723	2,941	6,302	2,055	6,879	2,396	1,464	1,769	1,436	31,727
Change in Discharge Entering the Prado Dam Reservoir Caused by Stormwater and Dry-Weather Diversions	-58	-37	-36	-85	-381	-1,189	-115	-1,482	-119	-83	-46	-115	-3,744
Percent Change in Discharge Relative to Discharge without Diversions	-3.30%	-2.48%	-2.33%	-4.93%	-12.94%	-18.87%	-5.59%	-21.54%	-4.96%	-5.68%	-2.57%	-8.00%	-11.80%

Table 2c
Impact of Stormwater Diversions on Total Monthly Discharge from Day Creek to the Santa Ana River for FY 2008/09
(acre-ft)

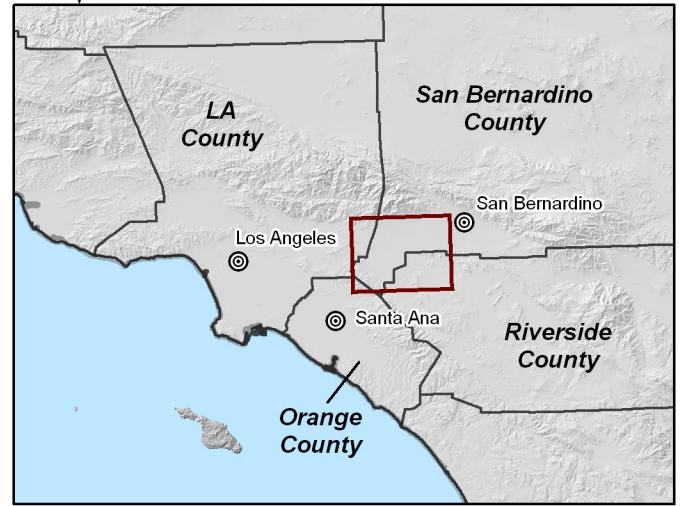
	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09	Total
WLAM Estimated Day Creek Discharge to the Santa Ana River <u>without</u> diversions	3	6	4	6	47	1,298	40	1,630	26	3	3	3	3,068
Stormwater Diversions	3	6	4	6	43	151	19	175	29	3	3	3	444
Estimated Discharge of Day Creek to the Santa Ana River <u>with</u> Watermaster Diversions	0	0	0	0	6	1,267	21	1,483	13	0	0	0	2,789
Change in Discharge of Day Creek to the Santa Ana River Due to Watermaster Diversions	-3	-6	-4	-6	-41	-31	-19	-148	-14	-3	-3	-3	-279
Percent Change in Discharge Relative to Discharge without Diversions	-100.00%	-100.00%	-100.00%	-100.00%	-87.01%	-2.38%	-47.44%	-9.07%	-51.72%	-100.00%	-100.00%	-100.00%	-9.10%
Discharge in the Santa Ana River at the MWD Crossing (110664600)	3,164	3,423	3,724	4,439	6,154	15,400	4,724	21,073	4,831	3,279	2,946	3,410	76,569
Percent Change in Discharge Relative to the Santa Ana River at the MWDSC Crossing (110664600)	-0.10%	-0.17%	-0.10%	-0.13%	-0.67%	-0.20%	-0.40%	-0.70%	-0.28%	-0.09%	-0.09%	-0.09%	-0.36%

Table 2d
Impact of Stormwater Diversions on Total Monthly Discharge from San Sevaine Creek to the Santa Ana River for FY 2008/09
 (acre-ft)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09	Total
WLAM Estimated San Sevaine Creek Discharge to the Santa Ana River <u>without</u> Diversions	77	71	60	66	275	2,026	58	2,639	141	31	29	68	5,542
Stormwater Diversions	77	71	60	66	161	569	58	762	134	31	29	68	2,088
Estimated Discharge of San Sevaine Creek to the Santa Ana River <u>with</u> Watermaster Diversions	0	0	0	0	114	1,457	0	1,877	7	0	0	0	3,454
Change in Discharge of San Sevaine Creek to the Santa Ana River Due to Watermaster Diversions	-77	-71	-60	-66	-161	-569	-58	-762	-134	-31	-29	-68	-2,088
Percent Change in Discharge Relative to Discharge without Diversions	-100.00%	-100.00%	-100.00%	-100.00%	-58.62%	-28.09%	-100.00%	-28.86%	-95.16%	-100.00%	-100.00%	-100.00%	-37.68%
Discharge in the Santa Ana River at the MWD Crossing (110664600)	3,164	3,423	3,724	4,439	6,154	15,400	4,724	21,073	4,831	3,279	2,946	3,410	76,569
Percent Change in Discharge Relative to the Santa Ana River at the MWDSC Crossing (110664600)	-2.45%	-2.09%	-1.62%	-1.49%	-2.62%	-3.69%	-1.23%	-3.61%	-2.78%	-0.94%	-1.00%	-2.00%	-2.73%

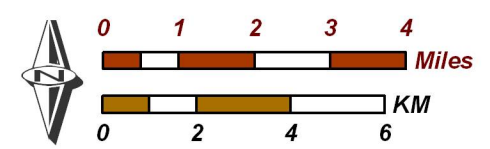


- ### Main Map Features
- Flood Control and Conservation Basins
 - Rivers and Streams
 - Active Points of Diversion
 - USGS Gaging Station
 - Recycled Water Discharge Location
 - Points of Discharge Estimation
- ### Drainage Areas
- Chino Creek System
 - Cucamonga Creek System
 - Day Creek System
 - San Sevaine and Etiwanda Creek Systems
 - Prado Dam Reservoir
- ### Geology
- #### Water-Bearing Sediments
- Quaternary Alluvium
- #### Consolidated Bedrock
- Undifferentiated Pre-Tertiary to Early Pleistocene Igneous, Metamorphic, and Sedimentary Rocks
- #### Faults & Groundwater Divides
- Location Certain
 - Location Approximate
 - Location Concealed
 - Location Uncertain
 - Groundwater Divide



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 Date: 20080707
 File: 20090820_Diversions.mxd



Stormwater Recharge Points of Diversion Permit 21225

Figure 1

Figure 2a
Discharge from Chino Creek into Prado Dam Reservoir
with and without Stormwater Diversions

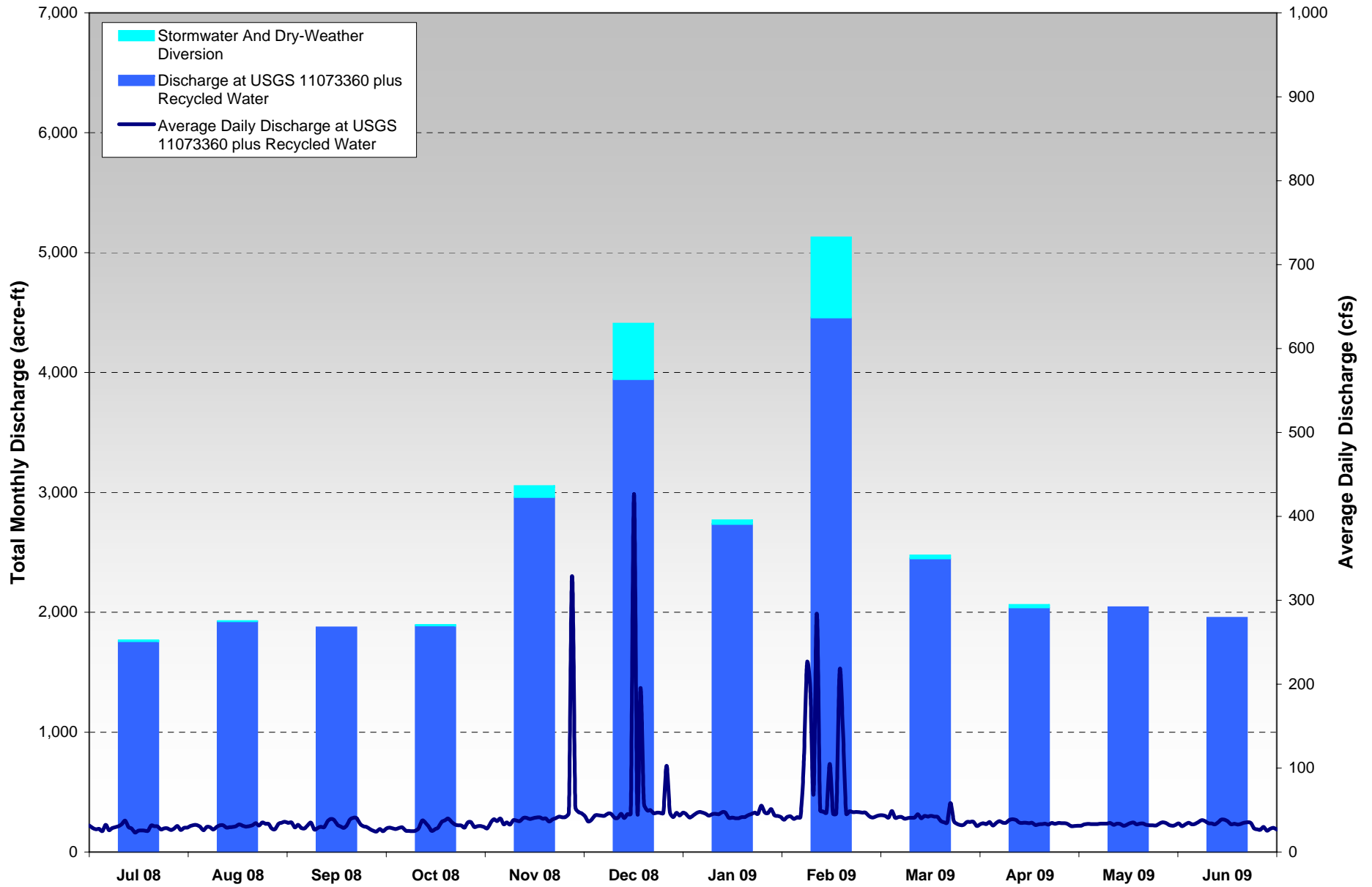


Figure 2b
Discharge from Cucamonga Creek into Prado Dam Reservoir
with and without Stormwater Diversions

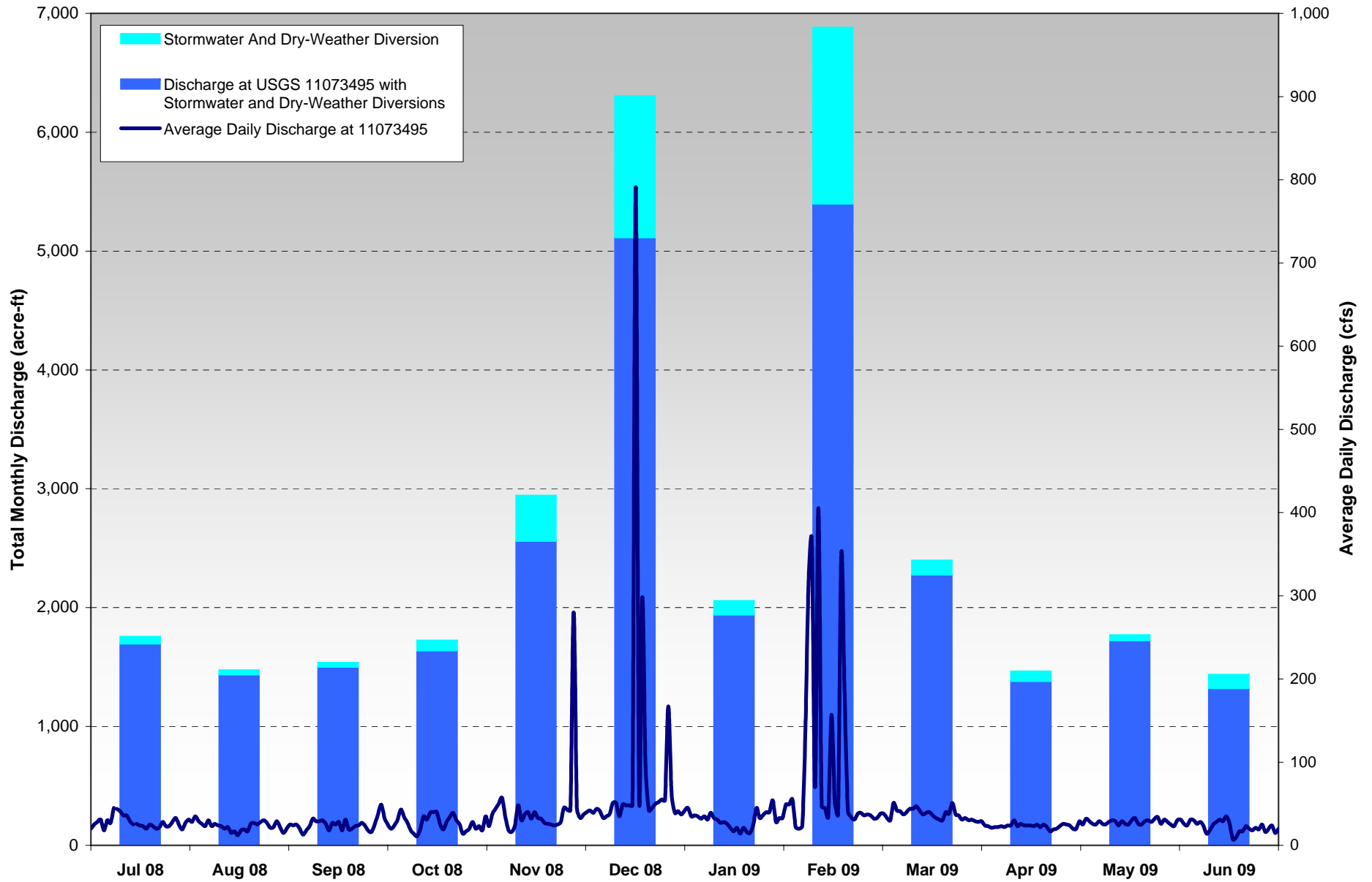


Figure 2c
Discharge from Day Creek to the Santa Ana River
with and without Stormwater Diversions -- July 2008 to June 2009

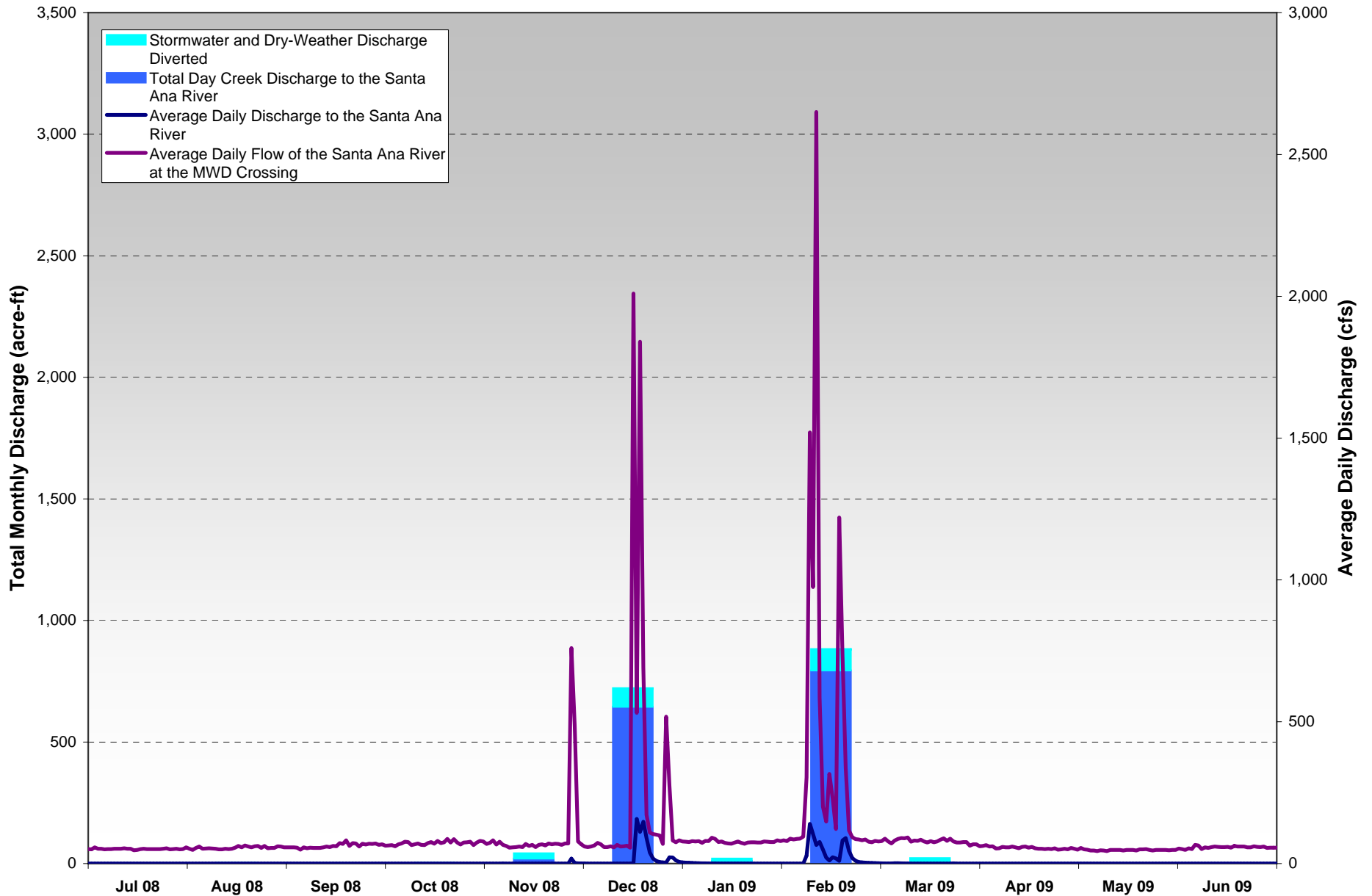


Figure 2d
Discharge from San Sevaine Creek to the Santa Ana River
with and without Stormwater Diversions -- July 2008 to June 2009

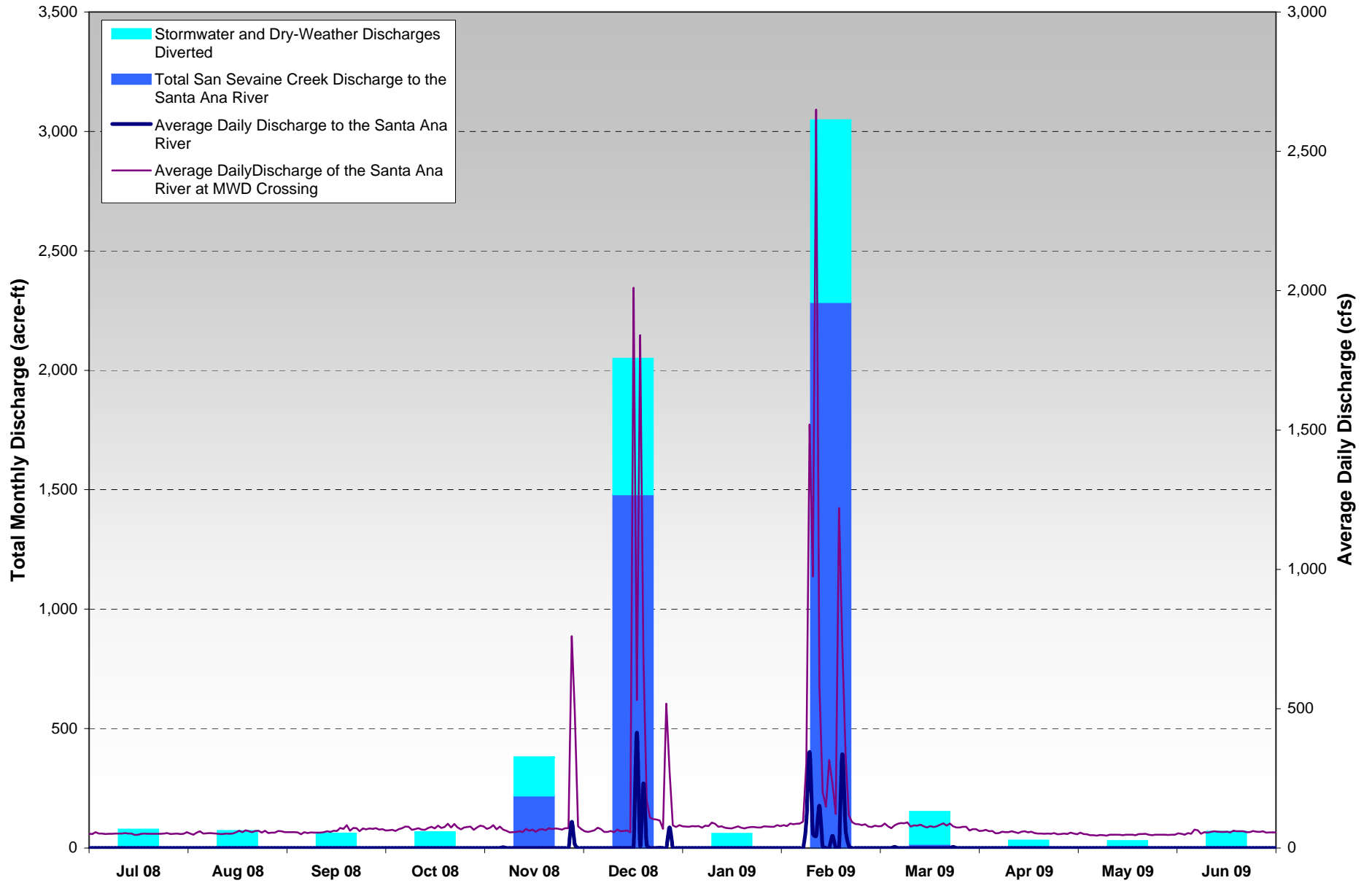


Table A1
Average Daily Discharge at USGS Gage 11073360 on Chino Creek
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	1.30	1.60	3.40	0.97	1.00	1.40	1.30	0.97	1.30	1.10	0.83	0.61
2	1.40	2.20	1.50	0.91	0.78	1.30	1.40	0.99	1.30	1.20	0.81	0.65
3	1.10	1.60	1.40	0.83	0.70	1.30	1.40	1.00	1.40	0.99	0.88	0.90
4	1.30	1.80	1.30	1.10	6.00	1.20	1.30	1.10	9.80	0.93	0.96	0.57
5	1.10	2.00	1.20	0.98	0.75	1.20	1.30	61.00	2.50	0.89	0.92	0.63
6	0.97	2.00	1.40	0.71	0.82	1.20	1.20	178.00	1.30	0.95	0.96	0.57
7	1.00	1.80	1.30	0.77	0.66	3.40	1.10	145.00	1.20	1.00	0.93	0.58
8	1.10	1.70	1.20	0.83	0.72	1.30	1.20	22.00	1.20	1.00	0.92	0.61
9	1.30	1.70	1.40	0.71	0.84	1.20	1.20	234.00	1.20	0.97	0.87	0.54
10	1.30	1.60	1.50	0.85	0.78	1.20	1.10	3.30	1.30	1.60	0.83	0.73
11	1.20	1.50	1.30	0.63	0.92	1.10	1.10	1.80	1.30	0.91	0.81	0.53
12	6.90	1.40	3.30	0.60	0.75	1.20	1.20	1.60	1.30	1.00	1.00	0.52
13	3.80	1.40	4.80	0.61	0.76	1.20	1.20	60.00	1.30	1.00	0.61	0.53
14	1.90	1.40	4.60	0.66	0.77	1.10	1.20	2.70	1.20	0.97	0.62	0.51
15	1.90	1.50	3.00	0.81	0.73	373.00	1.20	1.40	1.20	0.78	0.74	0.55
16	1.80	2.10	1.60	0.73	0.91	3.00	1.10	165.00	1.30	0.80	0.63	0.65
17	1.80	1.60	2.80	0.67	0.77	145.00	1.20	99.00	1.40	0.90	0.66	0.65
18	1.80	1.40	5.50	0.66	0.84	8.80	1.10	3.20	1.40	0.95	0.67	0.69
19	1.80	1.70	7.20	1.30	1.20	1.50	1.10	2.00	1.50	0.98	0.68	0.71
20	1.70	1.90	7.20	0.69	1.20	1.30	1.40	1.70	1.30	1.10	0.68	0.67
21	1.60	1.90	7.20	0.82	1.20	1.20	1.40	1.60	1.50	1.10	0.68	0.68
22	1.70	1.50	4.10	0.77	1.20	3.80	1.30	1.40	20.00	1.10	0.65	0.67
23	1.40	1.60	1.10	0.69	1.10	1.30	12.00	1.40	1.30	0.95	0.67	0.63
24	1.50	1.40	0.91	0.70	1.20	1.20	2.30	1.40	1.30	0.93	0.64	0.66
25	1.40	1.60	0.92	0.74	1.20	60.00	1.10	1.30	1.40	1.00	0.65	0.67
26	1.50	1.60	0.88	0.71	281.00	2.20	4.90	1.30	2.80	1.00	0.68	0.79
27	1.30	1.50	0.92	0.73	7.20	1.50	1.10	1.30	6.60	1.00	0.71	0.80
28	1.30	1.50	0.88	0.75	1.80	1.40	1.10	1.30	6.70	0.96	0.68	0.79
29	1.40	3.60	0.87	0.85	1.60	1.30	1.10		6.70	0.82	0.64	0.73
30	1.90	5.00	0.93	0.73	1.60	2.50	1.20		3.90	0.86	0.64	0.67
31	1.80	4.90		0.80		1.40	1.10		1.40		0.66	
Total (cfs-days)	53.27	60.00	75.61	24.31	321.00	629.70	52.90	996.76	89.30	29.74	23.31	19.49
Min	0.97	1.40	0.87	0.60	0.66	1.10	1.10	0.97	1.20	0.78	0.61	0.51
Max	6.90	5.00	7.20	1.30	281.00	373.00	12.00	234.00	20.00	1.60	1.00	0.90
Avg	1.72	1.94	2.52	0.78	10.70	20.31	1.71	35.60	2.88	0.99	0.75	0.65
Total (acre-ft)	106	119	150	48	637	1,249	105	1,977	177	59	46	39

Table A2
Average Daily Discharge of Recycled Water Effluent to Chino Creek
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	30.29	29.33	31.67	28.17	33.57	34.81	39.69	41.37	42.67	33.22	30.50	30.22
2	27.25	29.94	27.77	27.42	38.42	37.30	41.85	38.28	41.81	32.07	32.23	32.24
3	26.07	30.51	30.97	26.50	36.22	42.30	44.56	40.49	39.78	34.84	32.51	33.98
4	26.29	28.25	27.26	27.66	33.95	42.78	46.40	40.52	39.21	30.62	32.20	32.46
5	23.76	23.86	27.14	28.30	32.26	42.16	45.50	43.52	38.42	33.64	32.27	32.97
6	31.47	27.88	30.51	24.61	34.41	42.14	44.23	47.22	40.38	35.93	32.34	35.06
7	24.91	27.76	33.53	24.37	32.03	42.49	42.12	49.39	40.74	33.88	32.85	37.40
8	27.48	25.13	25.73	24.01	37.32	43.85	44.19	47.55	38.59	33.87	32.89	36.39
9	28.36	28.13	27.00	24.74	36.56	39.50	44.25	50.05	39.22	37.30	32.97	33.82
10	29.44	30.26	28.68	28.00	36.08	39.55	43.83	46.48	39.52	37.47	33.95	33.37
11	32.14	30.46	28.39	36.81	39.69	44.47	46.38	46.54	39.66	37.43	31.67	32.44
12	30.42	27.74	33.09	34.30	40.04	39.22	45.75	45.29	43.77	34.13	32.92	34.70
13	26.04	28.14	34.61	30.02	38.73	44.09	39.47	44.96	38.90	33.59	32.99	37.91
14	25.96	28.54	33.54	24.62	39.35	44.39	39.95	42.97	41.77	34.05	30.70	38.01
15	21.15	29.24	29.74	26.32	40.38	53.55	38.93	44.78	41.06	33.45	31.59	36.06
16	23.73	30.93	28.81	28.68	40.57	46.70	39.13	50.73	41.84	34.07	33.65	32.24
17	23.84	29.57	26.04	35.01	38.77	50.16	40.30	47.70	40.80	31.15	34.64	33.12
18	23.53	28.70	26.33	37.13	39.10	49.67	40.63	42.45	40.55	32.14	32.31	31.93
19	23.59	29.09	31.56	38.71	35.18	48.15	42.64	46.71	35.57	32.29	33.22	32.74
20	29.94	30.00	33.50	35.29	37.57	48.64	43.94	45.80	34.29	32.69	33.40	34.22
21	29.20	32.48	32.99	32.18	39.13	45.01	45.55	46.23	33.65	31.58	31.81	34.84
22	28.76	30.16	29.60	31.16	40.92	43.00	44.30	46.04	38.43	33.59	31.07	33.84
23	25.47	33.65	29.63	30.93	40.12	45.32	43.23	45.58	35.72	32.49	31.14	27.65
24	26.69	32.01	28.98	28.47	40.57	45.36	45.21	45.53	32.09	33.73	31.05	26.56
25	26.69	31.98	26.33	34.05	45.72	42.81	45.19	41.76	30.74	33.50	33.05	25.82
26	24.68	26.39	24.48	34.95	47.81	45.40	46.35	39.72	29.52	33.25	34.66	29.15
27	26.63	25.99	23.35	29.20	45.77	40.24	42.72	40.80	29.06	32.29	33.93	24.74
28	29.64	32.00	26.52	29.88	45.81	45.36	41.85	42.30	29.09	29.64	31.49	26.87
29	24.92	31.22	23.93	30.12	44.14	42.27	40.49		29.27	30.12	30.73	28.10
30	27.00	30.93	27.03	29.15	40.89	44.30	37.26		26.98	30.54	31.64	26.07
31	27.32	29.71		27.52		43.52	40.80		31.50		33.45	
Total (cfs-days)	832.66	909.96	868.70	928.29	1171.05	1358.50	1326.70	1250.76	1144.58	998.56	1005.80	964.95
Min	21.15	23.86	23.35	24.01	32.03	34.81	37.26	38.28	26.98	29.64	30.50	24.74
Max	32.14	33.65	34.61	38.71	47.81	53.55	46.40	50.73	43.77	37.47	34.66	38.01
Avg	26.86	29.35	28.96	29.94	39.04	43.82	42.80	44.67	36.92	33.29	32.45	32.16
Total (acre-ft)	1,652	1,805	1,723	1,841	2,323	2,695	2,631	2,481	2,270	1,981	1,995	1,914

Table A3
Average Daily Discharge for Chino Creek Entering Prado Dam Reservoir with Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	31.59	30.93	35.07	29.14	34.57	36.21	40.99	42.34	43.97	34.32	31.33	30.83
2	28.65	32.14	29.27	28.33	39.20	38.60	43.25	39.27	43.11	33.27	33.04	32.89
3	27.17	32.11	32.37	27.33	36.92	43.60	45.96	41.49	41.18	35.83	33.39	34.88
4	27.59	30.05	28.56	28.76	39.95	43.98	47.70	41.62	49.01	31.55	33.16	33.03
5	24.86	25.86	28.34	29.28	33.01	43.36	46.80	104.52	40.92	34.53	33.19	33.60
6	32.44	29.88	31.91	25.32	35.23	43.34	45.43	225.22	41.68	36.88	33.30	35.63
7	25.91	29.56	34.83	25.14	32.69	45.89	43.22	194.39	41.94	34.88	33.78	37.98
8	28.58	26.83	26.93	24.84	38.04	45.15	45.39	69.55	39.79	34.87	33.81	37.00
9	29.66	29.83	28.40	25.45	37.40	40.70	45.45	284.05	40.42	38.27	33.84	34.36
10	30.74	31.86	30.18	28.85	36.86	40.75	44.93	49.78	40.82	39.07	34.78	34.10
11	33.34	31.96	29.69	37.44	40.61	45.57	47.48	48.34	40.96	38.34	32.48	32.97
12	37.32	29.14	36.39	34.90	40.79	40.42	46.95	46.89	45.07	35.13	33.92	35.22
13	29.84	29.54	39.41	30.63	39.49	45.29	40.67	104.96	40.20	34.59	33.60	38.44
14	27.86	29.94	38.14	25.28	40.12	45.49	41.15	45.67	42.97	35.02	31.32	38.52
15	23.05	30.74	32.74	27.13	41.11	426.55	40.13	46.18	42.26	34.23	32.33	36.61
16	25.53	33.03	30.41	29.41	41.48	49.70	40.23	215.73	43.14	34.87	34.28	32.89
17	25.64	31.17	28.84	35.68	39.54	195.16	41.50	146.70	42.20	32.05	35.30	33.77
18	25.33	30.10	31.83	37.79	39.94	58.47	41.73	45.65	41.95	33.09	32.98	32.62
19	25.39	30.79	38.76	40.01	36.38	49.65	43.74	48.71	37.07	33.27	33.90	33.45
20	31.64	31.90	40.70	35.98	38.77	49.94	45.34	47.50	35.59	33.79	34.08	34.89
21	30.80	34.38	40.19	33.00	40.33	46.21	46.95	47.83	35.15	32.68	32.49	35.52
22	30.46	31.66	33.70	31.93	42.12	46.80	45.60	47.44	58.43	34.69	31.72	34.51
23	26.87	35.25	30.73	31.62	41.22	46.62	55.23	46.98	37.02	33.44	31.81	28.28
24	28.19	33.41	29.89	29.17	41.77	46.56	47.51	46.93	33.39	34.66	31.69	27.22
25	28.09	33.58	27.25	34.79	46.92	102.81	46.29	43.06	32.14	34.50	33.70	26.49
26	26.18	27.99	25.36	35.66	328.81	47.60	51.25	41.02	32.32	34.25	35.34	29.94
27	27.93	27.49	24.27	29.93	52.97	41.74	43.82	42.10	35.66	33.29	34.64	25.54
28	30.94	33.50	27.40	30.63	47.61	46.76	42.95	43.60	35.79	30.60	32.17	27.66
29	26.32	34.82	24.80	30.97	45.74	43.57	41.59		35.97	30.94	31.37	28.83
30	28.90	35.93	27.96	29.88	42.49	46.80	38.46		30.88	31.40	32.28	26.74
31	29.12	34.61		28.32		44.92	41.90		32.90		34.11	
Total (cfs-days)	885.93	969.96	944.31	952.60	1492.05	1988.20	1379.60	2247.52	1233.88	1028.30	1029.11	984.44
Min	23.05	25.86	24.27	24.84	32.69	36.21	38.46	39.27	30.88	30.60	31.32	25.54
Max	37.32	35.93	40.70	40.01	328.81	426.55	55.23	284.05	58.43	39.07	35.34	38.52
Avg	28.58	31.29	31.48	30.73	49.74	64.14	44.50	80.27	39.80	34.28	33.20	32.81
Total (acre-ft)	1,757	1,924	1,873	1,889	2,959	3,944	2,736	4,458	2,447	2,040	2,041	1,953

Table A4
Daily Diversions to Spreading Basins on the Chino Creek System
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
2	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
3	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
4	0.05	0.05	0.00	2.02	0.00	0.05	0.05	0.05	7.56	0.00	0.00	0.00
5	0.05	0.05	0.00	0.00	0.00	0.05	0.05	55.89	0.00	0.00	0.00	0.00
6	0.05	0.05	0.00	0.00	0.00	0.05	0.05	86.59	0.00	0.00	0.00	0.00
7	0.05	0.05	0.00	0.00	0.00	0.05	0.05	31.40	0.00	0.00	0.00	0.00
8	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.00	0.00
9	0.05	0.05	0.00	0.00	0.00	0.05	0.00	47.88	0.00	0.00	0.00	0.00
10	0.05	0.05	0.00	0.00	0.00	0.05	0.00	0.05	0.00	7.06	0.00	0.00
11	0.05	0.05	0.00	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.00	0.00
12	2.97	0.05	0.00	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.00	0.00
13	0.05	0.05	0.00	0.00	0.00	0.05	0.00	31.30	0.05	0.00	0.00	0.00
14	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
15	0.05	0.05	0.00	0.00	0.00	133.06	0.05	0.05	0.05	0.00	0.00	0.00
16	0.05	0.05	0.00	0.00	0.00	0.05	0.05	54.68	0.05	0.00	0.00	0.00
17	0.05	0.05	0.00	0.00	0.00	61.59	0.05	28.68	0.05	1.46	0.00	0.00
18	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
19	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
20	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	1.76	0.00	0.00
21	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
22	0.05	0.05	0.00	0.00	0.00	0.05	0.05	0.05	4.03	0.00	0.00	0.00
23	0.05	0.00	0.00	0.00	0.00	0.05	6.00	0.05	0.05	0.00	0.00	0.00
24	0.05	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
25	0.05	0.00	0.00	0.00	0.00	37.40	0.05	0.05	0.05	0.00	0.00	0.00
26	0.05	0.00	0.00	0.00	40.67	0.05	8.47	0.05	0.05	0.00	0.00	0.00
27	0.05	0.00	0.00	0.00	5.95	0.05	0.05	0.05	0.05	0.00	0.00	0.00
28	0.05	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00
29	0.05	0.00	0.00	0.00	0.00	0.05	0.05		0.05	0.00	0.00	0.00
30	0.05	0.00	0.00	0.00	0.00	0.05	0.00		0.05	0.00	0.00	0.00
31	0.05	0.00		0.00		0.05	0.05		0.05		0.00	
Total (cfs-days)	4.49	1.11	0.00	2.02	46.62	233.45	15.62	337.48	12.75	10.28	0.00	0.00
Min	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00
Max	2.97	0.05	0.00	2.02	40.67	133.06	8.47	86.59	7.56	7.06	0.00	0.00
Avg	0.14	0.04	0.00	0.07	1.55	7.53	0.50	12.05	0.41	0.34	0.00	0.00
Total (acre-ft)	9	2	0	4	92	463	31	669	25	20	0	0

Table A5
Average Daily Discharge Entering Prado Dam Reservoir without Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	31.64	30.98	35.07	29.14	34.57	36.26	41.04	42.39	44.02	34.32	31.33	30.83
2	28.70	32.19	29.27	28.33	39.20	38.65	43.30	39.32	43.16	33.27	33.04	32.89
3	27.22	32.16	32.37	27.33	36.92	43.65	46.01	41.54	41.23	35.83	33.39	34.88
4	27.64	30.10	28.56	30.78	39.95	44.03	47.75	41.67	56.57	31.55	33.16	33.03
5	24.91	25.91	28.34	29.28	33.01	43.41	46.85	160.42	40.92	34.53	33.19	33.60
6	32.49	29.93	31.91	25.32	35.23	43.40	45.49	311.81	41.68	36.88	33.30	35.63
7	25.96	29.61	34.83	25.14	32.69	45.94	43.27	225.79	41.94	34.88	33.78	37.98
8	28.63	26.88	26.93	24.84	38.04	45.20	45.44	69.60	39.79	34.87	33.81	37.00
9	29.71	29.88	28.40	25.45	37.40	40.75	45.45	331.93	40.42	38.27	33.84	34.36
10	30.79	31.91	30.18	28.85	36.86	40.80	44.93	49.83	40.82	46.13	34.78	34.10
11	33.39	32.01	29.69	37.44	40.61	45.62	47.48	48.39	41.01	38.34	32.48	32.97
12	40.29	29.19	36.39	34.90	40.79	40.47	46.95	46.94	45.12	35.13	33.92	35.22
13	29.89	29.59	39.41	30.63	39.49	45.35	40.67	136.26	40.25	34.59	33.60	38.44
14	27.91	30.00	38.14	25.28	40.12	45.54	41.20	45.72	43.02	35.02	31.32	38.52
15	23.10	30.79	32.74	27.13	41.11	559.60	40.18	46.23	42.31	34.23	32.33	36.61
16	25.58	33.08	30.41	29.41	41.48	49.75	40.28	270.42	43.19	34.87	34.28	32.89
17	25.69	31.22	28.84	35.68	39.54	256.75	41.56	175.38	42.25	33.51	35.30	33.77
18	25.38	30.15	31.83	37.79	39.94	58.52	41.78	45.71	42.00	33.09	32.98	32.62
19	25.44	30.84	38.76	40.01	36.38	49.70	43.79	48.76	37.12	33.27	33.90	33.45
20	31.69	31.95	40.70	35.98	38.77	49.99	45.39	47.55	35.64	35.56	34.08	34.89
21	30.85	34.43	40.19	33.00	40.33	46.26	47.00	47.88	35.20	32.68	32.49	35.52
22	30.51	31.71	33.70	31.93	42.12	46.85	45.65	47.50	62.46	34.69	31.72	34.51
23	26.92	35.25	30.73	31.62	41.22	46.67	61.23	47.03	37.07	33.44	31.81	28.28
24	28.24	33.41	29.89	29.17	41.77	46.61	47.56	46.98	33.44	34.66	31.69	27.22
25	28.14	33.58	27.25	34.79	46.92	140.21	46.34	43.11	32.19	34.50	33.70	26.49
26	26.23	27.99	25.36	35.66	369.48	47.65	59.72	41.07	32.37	34.25	35.34	29.94
27	27.98	27.49	24.27	29.93	58.91	41.79	43.87	42.15	35.71	33.29	34.64	25.54
28	30.99	33.50	27.40	30.63	47.61	46.81	43.00	43.65	35.84	30.60	32.17	27.66
29	26.38	34.82	24.80	30.97	45.74	43.62	41.64		36.02	30.94	31.37	28.83
30	28.95	35.93	27.96	29.88	42.49	46.85	38.46		30.93	31.40	32.28	26.74
31	29.17	34.61		28.32		44.97	41.95		32.95		34.11	
Total (cfs-days)	890.41	971.07	944.31	954.62	1538.67	2221.65	1395.22	2585.00	1246.63	1038.58	1029.11	984.44
Min	23.10	25.91	24.27	24.84	32.69	36.26	38.46	39.32	30.93	30.60	31.32	25.54
Max	40.29	35.93	40.70	40.01	369.48	559.60	61.23	331.93	62.46	46.13	35.34	38.52
Avg	28.72	31.32	31.48	30.79	51.29	71.67	45.01	92.32	40.21	34.62	33.20	32.81
Total (acre-ft)	1,766	1,926	1,873	1,893	3,052	4,407	2,767	5,127	2,473	2,060	2,041	1,953

Table A6
Change in Average Daily Discharge Entering Prado Dam Reservoir Due to Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
2	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
3	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
4	-0.05	-0.05	0.00	-2.02	0.00	-0.05	-0.05	-0.05	-7.56	0.00	0.00	0.00
5	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-55.89	0.00	0.00	0.00	0.00
6	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-86.59	0.00	0.00	0.00	0.00
7	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-31.40	0.00	0.00	0.00	0.00
8	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
9	-0.05	-0.05	0.00	0.00	0.00	-0.05	0.00	-47.88	0.00	0.00	0.00	0.00
10	-0.05	-0.05	0.00	0.00	0.00	-0.05	0.00	-0.05	0.00	-7.06	0.00	0.00
11	-0.05	-0.05	0.00	0.00	0.00	-0.05	0.00	-0.05	-0.05	0.00	0.00	0.00
12	-2.97	-0.05	0.00	0.00	0.00	-0.05	0.00	-0.05	-0.05	0.00	0.00	0.00
13	-0.05	-0.05	0.00	0.00	0.00	-0.05	0.00	-31.30	-0.05	0.00	0.00	0.00
14	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
15	-0.05	-0.05	0.00	0.00	0.00	-133.06	-0.05	-0.05	-0.05	0.00	0.00	0.00
16	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-54.68	-0.05	0.00	0.00	0.00
17	-0.05	-0.05	0.00	0.00	0.00	-61.59	-0.05	-28.68	-0.05	-1.46	0.00	0.00
18	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
19	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
20	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	-1.76	0.00	0.00
21	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
22	-0.05	-0.05	0.00	0.00	0.00	-0.05	-0.05	-0.05	-4.03	0.00	0.00	0.00
23	-0.05	0.00	0.00	0.00	0.00	-0.05	-6.00	-0.05	-0.05	0.00	0.00	0.00
24	-0.05	0.00	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
25	-0.05	0.00	0.00	0.00	0.00	-37.40	-0.05	-0.05	-0.05	0.00	0.00	0.00
26	-0.05	0.00	0.00	0.00	-40.67	-0.05	-8.47	-0.05	-0.05	0.00	0.00	0.00
27	-0.05	0.00	0.00	0.00	-5.95	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
28	-0.05	0.00	0.00	0.00	0.00	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00
29	-0.05	0.00	0.00	0.00	0.00	-0.05	-0.05		-0.05	0.00	0.00	0.00
30	-0.05	0.00	0.00	0.00	0.00	-0.05	0.00		-0.05	0.00	0.00	0.00
31	-0.05	0.00		0.00		-0.05	-0.05		-0.05		0.00	
Total (cfs-days)	-4.49	-1.11	0.00	-2.02	-46.62	-233.45	-15.62	-337.48	-12.75	-10.28	0.00	0.00
Min	-2.97	-0.05	0.00	-2.02	-40.67	-133.06	-8.47	-86.59	-7.56	-7.06	0.00	0.00
Max	-0.05	0.00	0.00	0.00	0.00	-0.05	0.00	-0.05	0.00	0.00	0.00	0.00
Avg	-0.14	-0.04	0.00	-0.07	-1.55	-7.53	-0.50	-12.05	-0.41	-0.34	0.00	0.00
Total (acre-ft)	-9	-2	0	-4	-92	-463	-31	-669	-25	-20	0	0

Table B1
Average Daily Discharge at USGS Gage 11073495 on Cucamonga Creek
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	20.0	28.0	24.0	20.0	37.0	42.0	35.0	55.0	38.0	24.0	25.0	26.0
2	25.0	35.0	25.0	24.0	44.0	39.0	36.0	22.0	33.0	23.0	32.0	24.0
3	28.0	29.0	20.0	31.0	50.0	44.0	35.0	20.0	30.0	21.0	29.0	31.0
4	31.0	26.0	13.0	43.0	57.0	41.0	32.0	23.0	51.0	22.0	26.0	30.0
5	18.0	23.0	18.0	34.0	34.0	33.0	35.0	143.0	42.0	22.0	25.0	26.0
6	30.0	30.0	23.0	27.0	18.0	35.0	31.0	317.0	41.0	23.0	29.0	28.0
7	27.0	23.0	32.0	18.0	16.0	38.0	39.0	365.0	37.0	22.0	26.0	23.0
8	45.0	26.0	29.0	14.0	24.0	51.0	33.0	70.0	40.0	24.0	25.0	14.0
9	44.0	24.0	29.0	11.0	48.0	51.0	31.0	405.0	44.0	24.0	28.0	18.0
10	41.0	23.0	30.0	20.0	30.0	35.0	27.0	47.0	44.0	30.0	30.0	25.0
11	36.0	20.0	26.0	35.0	37.0	49.0	28.0	45.0	47.0	23.0	29.0	28.0
12	36.0	22.0	18.0	31.0	40.0	48.0	26.0	34.0	42.0	26.0	24.0	31.0
13	29.0	15.0	27.0	39.0	32.0	48.0	21.0	157.0	37.0	24.0	29.0	29.0
14	25.0	17.0	25.0	40.0	40.0	48.0	17.0	52.0	39.0	24.0	26.0	35.0
15	26.0	12.0	28.0	40.0	33.0	791.0	21.0	37.0	40.0	24.0	25.0	26.0
16	24.0	18.0	18.0	26.0	32.0	61.0	14.0	351.0	36.0	23.0	30.0	7.4
17	23.0	19.0	31.0	19.0	27.0	298.0	21.0	183.0	33.0	25.0	33.0	9.6
18	20.0	17.0	19.0	28.0	26.0	95.0	16.0	41.0	31.0	22.0	26.0	17.0
19	25.0	26.0	20.0	34.0	25.0	42.0	15.0	34.0	30.0	25.0	25.0	17.0
20	23.0	27.0	23.0	39.0	24.0	45.0	25.0	31.0	40.0	22.0	29.0	23.0
21	20.0	25.0	24.0	30.0	25.0	50.0	45.0	38.0	38.0	17.0	30.0	20.0
22	22.0	28.0	27.0	25.0	28.0	52.0	33.0	39.0	51.0	19.0	28.0	18.0
23	28.0	30.0	24.0	14.0	45.0	55.0	36.0	36.0	37.0	20.0	32.0	21.0
24	23.0	27.0	18.0	17.0	43.0	54.0	40.0	37.0	36.0	23.0	34.0	19.0
25	23.0	21.0	16.0	20.0	42.0	167.0	40.0	36.0	31.0	26.0	26.0	25.0
26	28.0	22.0	25.0	28.0	280.0	62.0	54.0	32.0	33.0	25.0	31.0	16.0
27	33.0	29.0	37.0	20.0	44.0	39.0	28.0	33.0	30.0	24.0	28.0	20.0
28	25.0	22.0	49.0	23.0	33.0	41.0	33.0	38.0	31.0	20.0	25.0	24.0
29	19.0	15.0	33.0	18.0	37.0	37.0	33.0		29.0	20.0	23.0	15.0
30	27.0	20.0	25.0	35.0	40.0	42.0	49.0		28.0	29.0	30.0	20.0
31	31.0	25.0		23.0		45.0	49.0		29.0		31.0	
Total (cfs-days)	855.0	724.0	756.0	826.0	1,291.0	2,578.0	978.0	2,721.0	1,148.0	696.0	869.0	666.0
Min	18.0	12.0	13.0	11.0	16.0	33.0	14.0	20.0	28.0	17.0	23.0	7.4
Max	45.0	35.0	49.0	43.0	280.0	791.0	54.0	405.0	51.0	30.0	34.0	35.0
Avg	27.6	23.4	25.2	26.6	43.0	83.2	31.5	97.2	37.0	23.2	28.0	22.2
Total (acre-ft)	1,696	1,436	1,500	1,638	2,561	5,113	1,940	5,397	2,277	1,380	1,724	1,321

Table B2
Daily Diversions to Spreading Basins on the Cucamonga Creek System
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	1.41	0.53	0.70	0.74	0.71	1.66	0.38	1.78	0.49	1.02	0.54	1.45
2	1.41	0.53	0.70	1.14	0.71	1.68	0.40	2.44	0.97	1.29	0.90	1.02
3	1.41	0.53	0.70	1.57	0.71	1.67	0.40	1.86	0.99	3.51	1.13	0.93
4	1.30	0.84	0.70	10.18	3.88	1.70	0.35	1.84	7.86	0.63	1.11	1.84
5	0.45	0.53	0.70	1.56	1.61	0.97	0.35	99.74	1.11	0.65	1.06	2.64
6	0.45	0.53	0.70	1.22	1.61	0.42	0.35	208.00	0.90	1.11	2.94	2.50
7	0.45	0.51	0.70	0.84	1.61	0.43	0.35	29.08	0.83	1.58	0.31	2.64
8	0.45	0.51	0.70	0.73	1.50	0.76	0.35	4.08	0.83	0.83	0.30	2.67
9	0.45	0.51	0.70	0.54	1.39	0.44	0.35	132.80	0.87	1.82	0.31	2.53
10	0.45	0.51	0.70	0.52	1.13	0.50	0.35	4.17	0.87	3.53	0.32	2.53
11	0.45	0.51	0.70	0.51	0.87	0.82	0.35	3.30	2.77	0.74	1.21	2.43
12	10.94	0.66	0.75	0.49	0.83	1.51	0.35	3.57	0.88	0.71	0.68	2.50
13	0.45	0.51	0.70	0.57	1.17	1.52	0.39	77.31	0.91	0.92	0.68	2.27
14	0.50	0.51	0.70	0.71	0.68	1.10	0.44	0.44	0.76	2.34	0.68	2.27
15	0.45	0.51	0.75	0.76	0.70	347.26	1.32	0.63	0.76	1.63	0.60	2.27
16	0.45	0.51	0.62	1.54	0.71	0.76	0.93	102.26	0.80	1.39	0.32	2.27
17	0.45	0.51	0.30	1.65	0.67	108.26	0.26	64.26	1.26	1.89	0.35	2.27
18	0.45	0.51	0.30	1.56	0.99	2.00	0.25	3.32	0.90	1.01	0.34	2.27
19	0.45	0.51	0.51	1.12	0.66	0.33	0.86	2.39	2.33	2.32	0.75	2.27
20	0.45	0.26	0.52	0.56	0.69	0.33	3.00	0.40	0.91	1.06	0.32	2.27
21	0.45	0.51	0.53	1.18	0.71	0.30	5.27	0.36	0.83	1.13	0.79	2.27
22	0.45	0.53	0.53	1.58	0.71	1.01	4.35	0.39	13.05	1.20	0.73	2.27
23	0.45	0.53	0.54	1.63	1.04	0.76	5.64	0.45	2.45	1.00	0.72	1.71
24	0.45	0.53	0.47	1.63	0.71	0.76	1.72	0.43	2.01	2.22	0.72	1.71
25	0.45	0.53	0.48	1.61	0.90	120.41	1.12	0.46	1.30	0.89	0.73	1.71
26	0.45	0.53	0.48	1.61	134.42	0.46	20.21	0.42	1.85	1.02	0.77	1.45
27	0.45	0.93	0.49	1.55	20.51	0.33	1.23	0.43	2.01	0.98	0.59	0.81
28	0.45	0.96	0.64	1.48	3.40	0.36	0.95	0.40	1.84	0.91	0.80	0.81
29	1.36	0.96	0.49	0.92	3.37	0.31	1.11		1.84	1.80	0.76	0.81
30	0.45	0.96	0.49	0.55	3.38	0.33	2.63		2.29	0.76	0.76	0.55
31	0.45	0.96		0.55		0.36	1.91		2.43		0.75	
Total (cfs-days)	29.2	18.4	18.0	42.8	192.0	599.5	57.9	747.0	59.9	41.9	22.9	57.9
Min	0.5	0.3	0.3	0.5	0.7	0.3	0.3	0.4	0.5	0.6	0.3	0.6
Max	10.9	1.0	0.8	10.2	134.4	347.3	20.2	208.0	13.1	3.5	2.9	2.7
Avg	0.9	0.6	0.6	1.4	6.4	19.3	1.9	26.7	1.9	1.4	0.7	1.9
Total (acre-ft)	58	37	36	85	381	1,189	115	1,482	119	83	46	115

Table B3
Average Daily Discharge Entering Prado Dam Reservoir without Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	21.41	28.53	24.70	20.74	37.71	43.66	35.38	56.78	38.49	25.02	25.54	27.45
2	26.41	35.53	25.70	25.14	44.71	40.68	36.40	24.44	33.97	24.29	32.90	25.02
3	29.41	29.53	20.70	32.57	50.71	45.67	35.40	21.86	30.99	24.51	30.13	31.93
4	32.30	26.84	13.70	53.18	60.88	42.70	32.35	24.84	58.86	22.63	27.11	31.84
5	18.45	23.53	18.70	35.56	35.61	33.97	35.35	242.74	43.11	22.65	26.06	28.64
6	30.45	30.53	23.70	28.22	19.61	35.42	31.35	525.00	41.90	24.11	31.94	30.50
7	27.45	23.51	32.70	18.84	17.61	38.43	39.35	394.08	37.83	23.58	26.31	25.64
8	45.45	26.51	29.70	14.73	25.50	51.76	33.35	74.08	40.83	24.83	25.30	16.67
9	44.45	24.51	29.70	11.54	49.39	51.44	31.35	537.80	44.87	25.82	28.31	20.53
10	41.45	23.51	30.70	20.52	31.13	35.50	27.35	51.17	44.87	33.53	30.32	27.53
11	36.45	20.51	26.70	35.51	37.87	49.82	28.35	48.30	49.77	23.74	30.21	30.43
12	46.94	22.66	18.75	31.49	40.83	49.51	26.35	37.57	42.88	26.71	24.68	33.50
13	29.45	15.51	27.70	39.57	33.17	49.52	21.39	234.31	37.91	24.92	29.68	31.27
14	25.50	17.51	25.70	40.71	40.68	49.10	17.44	52.44	39.76	26.34	26.68	37.27
15	26.45	12.51	28.75	40.76	33.70	1,138.26	22.32	37.63	40.76	25.63	25.60	28.27
16	24.45	18.51	18.62	27.54	32.71	61.76	14.93	453.26	36.80	24.39	30.32	9.67
17	23.45	19.51	31.30	20.65	27.67	406.26	21.26	247.26	34.26	26.89	33.35	11.87
18	20.45	17.51	19.30	29.56	26.99	97.00	16.25	44.32	31.90	23.01	26.34	19.27
19	25.45	26.51	20.51	35.12	25.66	42.33	15.86	36.39	32.33	27.32	25.75	19.27
20	23.45	27.26	23.52	39.56	24.69	45.33	28.00	31.40	40.91	23.06	29.32	25.27
21	20.45	25.51	24.53	31.18	25.71	50.30	50.27	38.36	38.83	18.13	30.79	22.27
22	22.45	28.53	27.53	26.58	28.71	53.01	37.35	39.39	64.05	20.20	28.73	20.27
23	28.45	30.53	24.54	15.63	46.04	55.76	41.64	36.45	39.45	21.00	32.72	22.71
24	23.45	27.53	18.47	18.63	43.71	54.76	41.72	37.43	38.01	25.22	34.72	20.71
25	23.45	21.53	16.48	21.61	42.90	287.41	41.12	36.46	32.30	26.89	26.73	26.71
26	28.45	22.53	25.48	29.61	414.42	62.46	74.21	32.42	34.85	26.02	31.77	17.45
27	33.45	29.93	37.49	21.55	64.51	39.33	29.23	33.43	32.01	24.98	28.59	20.81
28	25.45	22.96	49.64	24.48	36.40	41.36	33.95	38.40	32.84	20.91	25.80	24.81
29	20.36	15.96	33.49	18.92	40.37	37.31	34.11		30.84	21.80	23.76	15.81
30	27.45	20.96	25.49	35.55	43.38	42.33	51.63		30.29	29.76	30.76	20.55
31	31.45	25.96		23.55		45.36	50.91		31.43		31.75	
Total (cfs-days)	884.22	742.44	774.01	868.83	1,482.96	3,177.49	1,035.95	3,468.01	1,207.93	737.90	891.95	723.93
Min	18.45	12.51	13.70	11.54	17.61	33.97	14.93	21.86	30.29	18.13	23.76	9.67
Max	46.94	35.53	49.64	53.18	414.42	1,138.26	74.21	537.80	64.05	33.53	34.72	37.27
Avg	28.52	23.95	25.80	28.03	49.43	102.50	33.42	123.86	38.97	24.60	28.77	24.13
Total (acre-ft)	1,754	1,473	1,535	1,723	2,941	6,302	2,055	6,879	2,396	1,464	1,769	1,436

Table B4
Change in Average Daily Discharge Entering Prado Dam Reservoir Due to Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 08	Feb 08	Mar 08	Apr 08	May 08	Jun 08
1	-1.4	-0.5	-0.7	-0.7	-0.7	-1.7	-0.4	-1.8	-0.5	-1.0	-0.5	-1.5
2	-1.4	-0.5	-0.7	-1.1	-0.7	-1.7	-0.4	-2.4	-1.0	-1.3	-0.9	-1.0
3	-1.4	-0.5	-0.7	-1.6	-0.7	-1.7	-0.4	-1.9	-1.0	-3.5	-1.1	-0.9
4	-1.3	-0.8	-0.7	-10.2	-3.9	-1.7	-0.4	-1.8	-7.9	-0.6	-1.1	-1.8
5	-0.5	-0.5	-0.7	-1.6	-1.6	-1.0	-0.4	-99.7	-1.1	-0.6	-1.1	-2.6
6	-0.5	-0.5	-0.7	-1.2	-1.6	-0.4	-0.4	-208.0	-0.9	-1.1	-2.9	-2.5
7	-0.5	-0.5	-0.7	-0.8	-1.6	-0.4	-0.4	-29.1	-0.8	-1.6	-0.3	-2.6
8	-0.5	-0.5	-0.7	-0.7	-1.5	-0.8	-0.4	-4.1	-0.8	-0.8	-0.3	-2.7
9	-0.5	-0.5	-0.7	-0.5	-1.4	-0.4	-0.4	-132.8	-0.9	-1.8	-0.3	-2.5
10	-0.5	-0.5	-0.7	-0.5	-1.1	-0.5	-0.4	-4.2	-0.9	-3.5	-0.3	-2.5
11	-0.5	-0.5	-0.7	-0.5	-0.9	-0.8	-0.4	-3.3	-2.8	-0.7	-1.2	-2.4
12	-10.9	-0.7	-0.8	-0.5	-0.8	-1.5	-0.4	-3.6	-0.9	-0.7	-0.7	-2.5
13	-0.5	-0.5	-0.7	-0.6	-1.2	-1.5	-0.4	-77.3	-0.9	-0.9	-0.7	-2.3
14	-0.5	-0.5	-0.7	-0.7	-0.7	-1.1	-0.4	-0.4	-0.8	-2.3	-0.7	-2.3
15	-0.5	-0.5	-0.8	-0.8	-0.7	-347.3	-1.3	-0.6	-0.8	-1.6	-0.6	-2.3
16	-0.5	-0.5	-0.6	-1.5	-0.7	-0.8	-0.9	-102.3	-0.8	-1.4	-0.3	-2.3
17	-0.5	-0.5	-0.3	-1.6	-0.7	-108.3	-0.3	-64.3	-1.3	-1.9	-0.3	-2.3
18	-0.5	-0.5	-0.3	-1.6	-1.0	-2.0	-0.3	-3.3	-0.9	-1.0	-0.3	-2.3
19	-0.5	-0.5	-0.5	-1.1	-0.7	-0.3	-0.9	-2.4	-2.3	-2.3	-0.7	-2.3
20	-0.5	-0.3	-0.5	-0.6	-0.7	-0.3	-3.0	-0.4	-0.9	-1.1	-0.3	-2.3
21	-0.5	-0.5	-0.5	-1.2	-0.7	-0.3	-5.3	-0.4	-0.8	-1.1	-0.8	-2.3
22	-0.5	-0.5	-0.5	-1.6	-0.7	-1.0	-4.3	-0.4	-13.1	-1.2	-0.7	-2.3
23	-0.5	-0.5	-0.5	-1.6	-1.0	-0.8	-5.6	-0.4	-2.4	-1.0	-0.7	-1.7
24	-0.5	-0.5	-0.5	-1.6	-0.7	-0.8	-1.7	-0.4	-2.0	-2.2	-0.7	-1.7
25	-0.5	-0.5	-0.5	-1.6	-0.9	-120.4	-1.1	-0.5	-1.3	-0.9	-0.7	-1.7
26	-0.5	-0.5	-0.5	-1.6	-134.4	-0.5	-20.2	-0.4	-1.8	-1.0	-0.8	-1.4
27	-0.5	-0.9	-0.5	-1.5	-20.5	-0.3	-1.2	-0.4	-2.0	-1.0	-0.6	-0.8
28	-0.5	-1.0	-0.6	-1.5	-3.4	-0.4	-1.0	-0.4	-1.8	-0.9	-0.8	-0.8
29	-1.4	-1.0	-0.5	-0.9	-3.4	-0.3	-1.1		-1.8	-1.8	-0.8	-0.8
30	-0.5	-1.0	-0.5	-0.6	-3.4	-0.3	-2.6		-2.3	-0.8	-0.8	-0.6
31	-0.5	-1.0		-0.6		-0.4	-1.9		-2.4		-0.8	
Total (cfs-days)	-29.2	-18.4	-18.0	-42.8	-192.0	-599.5	-57.9	-747.0	-59.9	-41.9	-22.9	-57.9
Min	-10.9	-1.0	-0.8	-10.2	-134.4	-347.3	-20.2	-208.0	-13.1	-3.5	-2.9	-2.7
Max	-0.5	-0.3	-0.3	-0.5	-0.7	-0.3	-0.3	-0.4	-0.5	-0.6	-0.3	-0.6
Avg	-0.9	-0.6	-0.6	-1.4	-6.4	-19.3	-1.9	-26.7	-1.9	-1.4	-0.7	-1.9
Total (acre-ft)	-58	-37	-36	-85	-381	-1,189	-115	-1,482	-119	-83	-46	-115

Table C1
WLAM Estimated Daily Discharge of Day Creek to the Santa Ana River without Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	0.05	0.05	0.06	0.10	0.10	0.20	2.70	0.05	0.90	0.05	0.05	0.05
2	0.05	0.05	0.06	0.10	0.10	0.10	2.10	0.05	0.60	0.05	0.05	0.05
3	0.05	0.05	0.06	0.10	0.10	0.10	1.70	0.05	0.40	0.05	0.05	0.05
4	0.05	0.05	0.06	0.10	0.10	0.05	1.30	0.05	0.30	0.05	0.05	0.05
5	0.05	0.05	0.06	0.10	0.40	0.05	1.00	10.43	1.10	0.05	0.05	0.05
6	0.05	0.05	0.06	0.10	0.10	0.05	0.80	27.70	1.10	0.05	0.05	0.05
7	0.05	0.14	0.06	0.10	0.10	0.05	0.60	140.00	0.80	0.05	0.05	0.05
8	0.05	0.14	0.06	0.10	0.10	0.05	0.40	104.00	0.60	0.05	0.05	0.05
9	0.05	0.14	0.06	0.10	0.10	0.05	0.30	65.60	0.40	0.05	0.05	0.05
10	0.05	0.14	0.06	0.10	0.10	0.05	0.10	76.30	0.20	0.05	0.05	0.05
11	0.05	0.14	0.06	0.10	0.10	0.05	0.05	49.80	0.10	0.05	0.05	0.05
12	0.05	0.14	0.06	0.10	0.10	0.05	0.05	21.00	0.05	0.05	0.05	0.05
13	0.05	0.14	0.06	0.10	0.10	0.05	0.05	10.80	0.05	0.05	0.05	0.05
14	0.05	0.14	0.06	0.10	0.10	0.05	0.05	22.40	0.05	0.05	0.05	0.05
15	0.05	0.14	0.06	0.10	0.10	0.80	0.05	18.30	0.05	0.05	0.05	0.05
16	0.05	0.14	0.06	0.10	0.10	157.00	0.05	9.60	0.05	0.05	0.05	0.05
17	0.05	0.14	0.06	0.10	0.10	111.50	0.05	81.70	0.05	0.05	0.05	0.05
18	0.05	0.14	0.06	0.10	0.10	147.40	0.05	90.10	0.05	0.05	0.05	0.05
19	0.05	0.14	0.06	0.10	0.10	90.20	0.05	44.90	0.05	0.05	0.05	0.05
20	0.05	0.06	0.06	0.10	0.10	39.10	0.05	19.30	0.05	0.05	0.05	0.05
21	0.05	0.06	0.06	0.10	0.10	17.40	0.05	10.00	0.05	0.05	0.05	0.05
22	0.05	0.06	0.06	0.10	0.10	9.10	0.05	5.40	5.09	0.05	0.05	0.05
23	0.05	0.06	0.06	0.10	0.10	5.40	1.56	4.00	0.70	0.05	0.05	0.05
24	0.05	0.06	0.06	0.10	0.10	4.30	0.05	3.20	0.10	0.05	0.05	0.05
25	0.05	0.06	0.06	0.10	0.10	3.40	0.05	2.50	0.05	0.05	0.05	0.05
26	0.05	0.06	0.06	0.10	17.50	21.90	6.45	2.00	0.05	0.05	0.05	0.05
27	0.05	0.06	0.06	0.10	2.10	21.40	0.05	1.60	0.05	0.05	0.05	0.05
28	0.05	0.06	0.06	0.10	0.70	11.00	0.05	1.20	0.05	0.05	0.05	0.05
29	0.05	0.06	0.06	0.10	0.50	5.80	0.05		0.05	0.05	0.05	0.05
30	0.05	0.06	0.06	0.10	0.30	4.20	0.05		0.05	0.05	0.05	0.05
31	0.05	0.06		0.10		3.40	0.05		0.05		0.05	
Total (cfs-days)	1.56	2.86	1.81	2.97	23.80	654.25	19.97	822.03	13.25	1.44	1.41	1.51
Min	0.05	0.05	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Max	0.05	0.14	0.06	0.10	17.50	157.00	6.45	140.00	5.09	0.05	0.05	0.05
Avg	0.05	0.09	0.06	0.10	0.79	21.10	0.64	29.36	0.43	0.05	0.05	0.05
Total (acre-ft)	3	6	4	6	47	1,298	40	1,630	26	3	3	3

Table C2
Daily Diversions to Spreading Basins on the Day Creek System
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	0.05	0.05	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2	0.05	0.05	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
3	0.05	0.05	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
4	0.05	0.05	0.06	0.10	0.10	0.05	0.05	0.05	8.32	0.05	0.05	0.05
5	0.05	0.05	0.06	0.10	0.10	0.05	0.05	10.43	0.05	0.05	0.05	0.05
6	0.05	0.05	0.06	0.10	0.10	0.05	0.05	15.57	0.05	0.05	0.05	0.05
7	0.05	0.14	0.06	0.10	0.10	0.05	0.05	13.41	0.05	0.05	0.05	0.05
8	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
9	0.05	0.14	0.06	0.10	0.10	0.05	0.05	14.21	0.05	0.05	0.05	0.05
10	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
11	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
12	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
13	0.05	0.14	0.06	0.10	0.10	0.05	0.05	4.94	0.05	0.05	0.05	0.05
14	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
15	0.05	0.14	0.06	0.10	0.10	40.82	0.05	0.05	0.05	0.05	0.05	0.05
16	0.05	0.14	0.06	0.10	0.10	0.05	0.05	23.18	0.05	0.05	0.05	0.05
17	0.05	0.14	0.06	0.10	0.10	9.93	0.05	5.34	0.05	0.05	0.05	0.05
18	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
19	0.05	0.14	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
20	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
21	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
22	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	5.09	0.05	0.05	0.05
23	0.05	0.06	0.06	0.10	0.10	0.05	1.56	0.05	0.05	0.05	0.05	0.05
24	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
25	0.05	0.06	0.06	0.10	0.10	24.14	0.05	0.05	0.05	0.05	0.05	0.05
26	0.05	0.06	0.06	0.10	15.93	0.05	6.45	0.05	0.05	0.05	0.05	0.05
27	0.05	0.06	0.06	0.10	3.12	0.05	0.05	0.05	0.05	0.05	0.05	0.05
28	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
29	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
30	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
31	0.05	0.06	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total (cfs-days)	1.56	2.86	1.81	2.97	21.73	76.31	9.48	88.15	14.87	1.44	1.41	1.51
Min	0.05	0.05	0.06	0.10	0.10	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Max	0.05	0.14	0.06	0.10	15.93	40.82	6.45	23.18	8.32	0.05	0.05	0.05
Avg	0.05	0.09	0.06	0.10	0.72	2.46	0.31	3.15	0.48	0.05	0.05	0.05
Total (acre-ft)	3	6	4	6	43	151	19	175	29	3	3	3

Table C3
Estimated Daily Discharge of Day Creek to the Santa Ana River with Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	0.00	0.00	0.00	0.00	0.00	0.15	2.65	0.00	0.85	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.05	2.05	0.00	0.55	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.05	1.65	0.00	0.35	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.30	0.00	0.95	0.00	1.05	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.75	12.13	1.05	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.55	126.59	0.75	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.35	103.95	0.55	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.25	51.39	0.35	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.05	76.25	0.15	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.75	0.05	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.95	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.86	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.35	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.25	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	156.95	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	101.57	0.00	76.36	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	147.35	0.00	90.05	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	90.15	0.00	44.85	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	39.05	0.00	19.25	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	17.35	0.00	9.95	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	9.05	0.00	5.35	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	5.35	0.00	3.95	0.65	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	4.25	0.00	3.15	0.05	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.57	21.85	0.00	1.95	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	21.35	0.00	1.55	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.60	10.95	0.00	1.15	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.40	5.75	0.00		0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.20	4.15	0.00		0.00	0.00	0.00	0.00
31	0.00	0.00		0.00		3.35	0.00		0.00		0.00	
Total (cfs-days)	0.00	0.00	0.00	0.00	3.09	638.71	10.50	747.47	6.40	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	1.57	156.95	2.65	126.59	1.05	0.00	0.00	0.00
Avg	0.00	0.00	0.00	0.00	0.10	20.60	0.34	26.70	0.21	0.00	0.00	0.00
Total (acre-ft)	0	0	0	0	6	1,267	21	1,483	13	0	0	0

Table C4
Change in Average Daily Discharge of Day Creek to the Santa Ana River Due to Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	0.0	0.0	0.0	0.0	0.0	0.2	2.7	0.0	0.9	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.1	2.1	0.0	0.6	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.1	1.7	0.0	0.4	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.3	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.4	0.0	1.0	0.0	1.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	27.7	1.1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.6	140.0	0.8	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	104.0	0.6	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.3	65.6	0.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	76.3	0.2	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	0.1	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.8	0.0	18.3	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	157.0	0.0	9.6	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	111.5	0.0	81.7	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	147.4	0.0	90.1	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	90.2	0.0	44.9	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	39.1	0.0	19.3	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	17.4	0.0	10.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	9.1	0.0	5.4	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	5.4	0.0	4.0	0.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	4.3	0.0	3.2	0.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	3.4	0.0	2.5	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	17.5	21.9	0.0	2.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	2.1	21.4	0.0	1.6	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.7	11.0	0.0	1.2	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.5	5.8	0.0		0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.3	4.2	0.0		0.0	0.0	0.0	0.0
31	0.0	0.0		0.0		3.4	0.0		0.0		0.0	
Total (cfs-days)	0.00	0.00	0.00	0.00	21.50	653.70	11.00	811.40	7.30	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	17.50	157.00	2.70	140.00	1.10	0.00	0.00	0.00
Avg	0.00	0.00	0.00	0.00	0.72	21.09	0.35	28.98	0.24	0.00	0.00	0.00
Total (acre-ft)	0	0	0	0	43	1,297	22	1,609	14	0	0	0

Table D1
WLAM Estimated Daily Discharge of San Sevaine Creek to the Santa Ana River without Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	1.3	1.1	1.3	0.5	1.2	0.8	0.4	0.4	0.6	0.4	0.3	1.1
2	1.3	1.1	1.1	0.5	3.0	0.8	0.4	0.4	1.1	0.2	0.3	1.1
3	1.3	1.1	1.0	0.5	1.2	0.8	0.4	0.3	1.1	0.2	0.8	1.1
4	1.3	1.1	1.1	0.9	1.6	0.8	0.4	0.5	14.6	0.7	0.2	1.1
5	1.3	1.1	1.3	4.4	2.8	0.8	0.4	33.3	7.4	0.2	0.8	1.1
6	1.3	1.1	1.3	0.5	0.5	0.8	0.4	96.1	1.1	0.2	0.5	1.1
7	1.3	1.0	1.4	0.5	0.5	0.8	0.4	351.3	1.1	0.2	0.6	1.1
8	1.3	1.5	1.3	0.5	0.5	0.8	0.4	48.2	1.0	0.2	0.6	1.1
9	1.3	1.1	1.3	0.6	1.8	0.8	0.4	45.7	1.1	0.2	0.6	1.1
10	1.3	0.3	1.3	0.9	0.7	0.8	0.4	154.0	1.1	0.2	0.6	1.1
11	1.3	1.7	1.8	0.9	0.7	0.8	0.4	5.3	1.1	0.2	0.6	1.1
12	1.3	1.2	1.3	0.9	0.9	0.8	0.4	2.0	1.1	0.2	0.6	1.4
13	1.3	1.3	1.3	1.1	1.3	0.8	0.4	42.2	1.1	2.0	0.6	0.8
14	1.3	1.1	1.3	0.9	0.5	0.8	0.4	45.6	1.1	0.1	0.6	0.8
15	1.3	1.0	1.4	2.0	1.3	140.4	0.4	3.9	1.1	0.1	0.6	1.1
16	1.3	0.5	1.4	1.3	1.1	422.5	0.4	76.8	0.4	0.1	0.6	1.0
17	1.3	1.1	1.2	0.5	1.1	61.0	0.4	342.7	0.4	0.1	0.6	1.1
18	1.3	0.8	0.4	1.4	1.0	236.3	0.4	66.3	0.4	0.1	0.6	1.1
19	1.3	1.4	0.4	1.1	1.1	8.1	0.4	6.7	0.4	0.1	0.6	1.1
20	1.3	1.4	0.4	1.2	0.4	2.9	0.4	0.4	0.4	0.3	0.6	1.1
21	1.3	1.1	0.4	1.5	1.4	0.4	0.4	0.4	0.4	0.7	0.6	1.1
22	1.3	1.1	0.4	1.1	1.4	0.8	0.4	0.4	21.8	0.7	0.6	1.4
23	1.3	1.2	0.4	0.9	1.0	1.0	6.0	4.4	4.4	1.8	0.6	1.2
24	1.3	1.6	0.4	1.3	0.8	0.8	0.4	1.6	0.3	0.4	0.6	1.2
25	1.3	1.3	2.5	1.1	0.5	58.7	0.4	0.4	0.7	1.1	0.6	1.5
26	1.3	1.2	0.5	1.1	95.6	75.7	13.1	0.4	1.1	1.6	0.6	1.6
27	1.3	1.0	0.4	1.1	13.4	0.8	0.4	0.4	1.1	2.2	0.4	1.1
28	1.3	1.2	0.4	1.1	0.4	0.4	0.4	0.4	1.1	0.4	0.2	1.1
29	1.3	1.0	0.4	1.1	0.4	0.4	0.4	0.4	1.1	0.4	0.2	1.3
30	1.3	1.4	0.4	0.9	0.4	0.4	0.4	0.4	1.1	0.2	0.2	1.4
31	1.3	1.6		1.1		0.4	0.4		1.1		0.2	
Total (cfs-days)	39.1	36.0	30.4	33.4	138.6	1,021.2	29.3	1,330.4	71.1	15.5	14.9	34.4
Min	1.3	0.3	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.1	0.2	0.8
Max	1.3	1.7	2.5	4.4	95.6	422.5	13.1	351.3	21.8	2.2	0.8	1.6
Avg	1.3	1.2	1.0	1.1	4.6	32.9	0.9	47.5	2.3	0.5	0.5	1.1
Total (acre-ft)	77	71	60	66	275	2,026	58	2,639	141	31	29	68

Table D2
Daily Diversions to Spreading Basins on the San Sevaine Creek System
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	1.26	1.11	1.35	0.48	1.19	0.76	0.35	0.40	0.59	0.43	0.25	1.11
2	1.26	1.11	1.14	0.49	3.00	0.76	0.35	0.40	1.06	0.21	0.29	1.11
3	1.26	1.11	1.04	0.52	1.19	0.76	0.35	0.26	1.06	0.21	0.81	1.11
4	1.26	1.11	1.09	0.86	1.55	0.76	0.35	0.45	14.57	0.70	0.15	1.11
5	1.26	1.11	1.35	4.36	0.48	0.76	0.35	33.26	7.43	0.21	0.76	1.11
6	1.26	1.11	1.35	0.48	0.48	0.76	0.35	53.52	1.06	0.21	0.50	1.11
7	1.26	1.02	1.40	0.48	0.48	0.76	0.35	61.84	1.06	0.21	0.55	1.11
8	1.26	1.47	1.35	0.48	0.48	0.76	0.35	0.15	0.96	0.21	0.55	1.11
9	1.26	1.08	1.35	0.55	1.81	0.76	0.35	45.66	1.06	0.21	0.55	1.11
10	1.26	0.30	1.30	0.87	0.74	0.76	0.35	0.40	1.06	0.21	0.55	1.11
11	1.26	1.74	1.80	0.92	0.71	0.76	0.35	0.40	1.06	0.21	0.55	1.11
12	1.26	1.24	1.30	0.86	0.91	0.76	0.35	2.02	1.06	0.21	0.55	1.36
13	1.26	1.30	1.35	1.13	1.31	0.76	0.35	42.17	1.06	2.02	0.55	0.76
14	1.26	1.13	1.35	0.92	0.45	0.76	0.35	10.82	1.06	0.06	0.55	0.76
15	1.26	0.97	1.45	1.98	1.31	140.41	0.35	3.90	1.06	0.06	0.55	1.05
16	1.26	0.52	1.45	1.33	1.11	2.87	0.35	76.83	0.40	0.06	0.55	0.96
17	1.26	1.13	1.19	0.48	1.14	60.98	0.35	31.39	0.40	0.06	0.55	1.11
18	1.26	0.80	0.44	1.45	1.04	2.87	0.35	8.73	0.40	0.06	0.55	1.11
19	1.26	1.36	0.44	1.11	1.14	2.87	0.35	2.53	0.43	0.06	0.55	1.11
20	1.26	1.41	0.44	1.21	0.39	2.87	0.35	0.40	0.40	0.33	0.55	1.11
21	1.26	1.08	0.44	1.51	1.38	0.35	0.35	0.40	0.40	0.72	0.55	1.11
22	1.26	1.11	0.44	1.07	1.40	0.76	0.35	0.40	21.80	0.72	0.55	1.42
23	1.26	1.19	0.44	0.94	0.99	0.76	6.05	4.35	0.96	1.82	0.55	1.16
24	1.26	1.60	0.44	1.29	0.84	0.76	0.35	1.63	0.28	0.39	0.55	1.16
25	1.26	1.35	2.45	1.12	0.54	58.67	0.35	0.40	0.68	1.12	0.55	1.52
26	1.26	1.24	0.54	1.13	51.21	0.35	13.05	0.40	1.06	1.62	0.55	1.61
27	1.26	1.04	0.44	1.13	2.77	0.35	0.35	0.40	1.06	2.18	0.42	1.11
28	1.26	1.24	0.44	1.10	0.39	0.35	0.35	0.40	1.06	0.39	0.15	1.11
29	1.26	1.04	0.44	1.10	0.39	0.35	0.35		1.06	0.39	0.15	1.27
30	1.26	1.40	0.44	0.93	0.39	0.35	0.35		1.06	0.21	0.15	1.42
31	1.26	1.60		1.06		0.35	0.35		1.06		0.15	
Total (cfs-days)	39.1	36.0	30.4	33.4	81.2	286.9	29.3	384.0	67.7	15.5	14.9	34.4
Min	1.3	0.3	0.4	0.5	0.4	0.4	0.4	0.2	0.3	0.1	0.2	0.8
Max	1.3	1.7	2.5	4.4	51.2	140.4	13.1	76.8	21.8	2.2	0.8	1.6
Avg	1.3	1.2	1.0	1.1	2.7	9.3	0.9	13.7	2.2	0.5	0.5	1.1
Total (acre-ft)	77	71	60	66	161	569	58	762	134	31	29	68

Table D3
Estimated Daily Discharge of San Sevaine Creek to the Santa Ana River with Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.58	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	289.46	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.05	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.60	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.90	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.78	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	419.63	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	311.31	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	233.43	0.00	57.57	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	5.23	0.00	4.17	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	3.44	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	44.39	75.35	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	10.63	0.45	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (cfs-days)	0.0	0.0	0.0	0.0	57.3	734.3	0.0	946.4	3.4	0.0	0.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	0.0	0.0	0.0	44.4	419.6	0.0	311.3	3.4	0.0	0.0	0.0
Avg	0.0	0.0	0.0	0.0	1.9	23.7	0.0	33.8	0.1	0.0	0.0	0.0
Total (acre-ft)	0	0	0	0	114	1,457	0	1,877	7	0	0	0

Table D4
Change in Average Daily Discharge of San Sevaine Creek to the Santa Ana River Due to Watermaster Diversions
(cfs)

	Jul 08	Aug 08	Sep 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09
1	-1.3	-1.1	-1.3	-0.5	-1.2	-0.8	-0.4	-0.4	-0.6	-0.4	-0.3	-1.1
2	-1.3	-1.1	-1.1	-0.5	-3.0	-0.8	-0.4	-0.4	-1.1	-0.2	-0.3	-1.1
3	-1.3	-1.1	-1.0	-0.5	-1.2	-0.8	-0.4	-0.3	-1.1	-0.2	-0.8	-1.1
4	-1.3	-1.1	-1.1	-0.9	-1.6	-0.8	-0.4	-0.5	-14.6	-0.7	-0.2	-1.1
5	-1.3	-1.1	-1.3	-4.4	-0.5	-0.8	-0.4	-33.3	-7.4	-0.2	-0.8	-1.1
6	-1.3	-1.1	-1.3	-0.5	-0.5	-0.8	-0.4	-53.5	-1.1	-0.2	-0.5	-1.1
7	-1.3	-1.0	-1.4	-0.5	-0.5	-0.8	-0.4	-61.8	-1.1	-0.2	-0.6	-1.1
8	-1.3	-1.5	-1.3	-0.5	-0.5	-0.8	-0.4	-0.2	-1.0	-0.2	-0.6	-1.1
9	-1.3	-1.1	-1.3	-0.6	-1.8	-0.8	-0.4	-45.7	-1.1	-0.2	-0.6	-1.1
10	-1.3	-0.3	-1.3	-0.9	-0.7	-0.8	-0.4	-0.4	-1.1	-0.2	-0.6	-1.1
11	-1.3	-1.7	-1.8	-0.9	-0.7	-0.8	-0.4	-0.4	-1.1	-0.2	-0.6	-1.1
12	-1.3	-1.2	-1.3	-0.9	-0.9	-0.8	-0.4	-2.0	-1.1	-0.2	-0.6	-1.4
13	-1.3	-1.3	-1.3	-1.1	-1.3	-0.8	-0.4	-42.2	-1.1	-2.0	-0.6	-0.8
14	-1.3	-1.1	-1.3	-0.9	-0.5	-0.8	-0.4	-10.8	-1.1	-0.1	-0.6	-0.8
15	-1.3	-1.0	-1.4	-2.0	-1.3	-140.4	-0.4	-3.9	-1.1	-0.1	-0.6	-1.1
16	-1.3	-0.5	-1.4	-1.3	-1.1	-2.9	-0.4	-76.8	-0.4	-0.1	-0.6	-1.0
17	-1.3	-1.1	-1.2	-0.5	-1.1	-61.0	-0.4	-31.4	-0.4	-0.1	-0.6	-1.1
18	-1.3	-0.8	-0.4	-1.4	-1.0	-2.9	-0.4	-8.7	-0.4	-0.1	-0.6	-1.1
19	-1.3	-1.4	-0.4	-1.1	-1.1	-2.9	-0.4	-2.5	-0.4	-0.1	-0.6	-1.1
20	-1.3	-1.4	-0.4	-1.2	-0.4	-2.9	-0.4	-0.4	-0.4	-0.3	-0.6	-1.1
21	-1.3	-1.1	-0.4	-1.5	-1.4	-0.4	-0.4	-0.4	-0.4	-0.7	-0.6	-1.1
22	-1.3	-1.1	-0.4	-1.1	-1.4	-0.8	-0.4	-0.4	-21.8	-0.7	-0.6	-1.4
23	-1.3	-1.2	-0.4	-0.9	-1.0	-0.8	-6.0	-4.4	-1.0	-1.8	-0.6	-1.2
24	-1.3	-1.6	-0.4	-1.3	-0.8	-0.8	-0.4	-1.6	-0.3	-0.4	-0.6	-1.2
25	-1.3	-1.3	-2.5	-1.1	-0.5	-58.7	-0.4	-0.4	-0.7	-1.1	-0.6	-1.5
26	-1.3	-1.2	-0.5	-1.1	-51.2	-0.4	-13.1	-0.4	-1.1	-1.6	-0.6	-1.6
27	-1.3	-1.0	-0.4	-1.1	-2.8	-0.4	-0.4	-0.4	-1.1	-2.2	-0.4	-1.1
28	-1.3	-1.2	-0.4	-1.1	-0.4	-0.4	-0.4	-0.4	-1.1	-0.4	-0.2	-1.1
29	-1.3	-1.0	-0.4	-1.1	-0.4	-0.4	-0.4	-0.4	-1.1	-0.4	-0.2	-1.3
30	-1.3	-1.4	-0.4	-0.9	-0.4	-0.4	-0.4	-0.4	-1.1	-0.2	-0.2	-1.4
31	-1.3	-1.6		-1.1		-0.4	-0.4		-1.1		-0.2	
Total (cfs-days)	-39.1	-36.0	-30.4	-33.4	-81.2	-286.9	-29.3	-384.0	-67.7	-15.5	-14.9	-34.4
Min	-1.3	-1.7	-2.5	-4.4	-51.2	-140.4	-13.1	-76.8	-21.8	-2.2	-0.8	-1.6
Max	-1.3	-0.3	-0.4	-0.5	-0.4	-0.4	-0.4	-0.2	-0.3	-0.1	-0.2	-0.8
Avg	-1.3	-1.2	-1.0	-1.1	-2.7	-9.3	-0.9	-13.7	-2.2	-0.5	-0.5	-1.1
Total (acre-ft)	-77	-71	-60	-66	-161	-569	-58	-762	-134	-31	-29	-68