

11074000 Santa Ana River below Prado Dam, CA

Santa Ana River Basin

LOCATION.--Lat 33°53'00", long 117°38'40" referenced to North American Datum of 1927, Riverside County, CA, Hydrologic Unit 18070203, in La Sierra Grant, on left bank of outlet channel, 2,500 ft downstream from axis of Prado Dam, and 4.5 mi west of Corona.

DRAINAGE AREA.--2,258 mi² of which 768 mi² probably is noncontributing, above Lake Elsinore.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1930 to November 1939 (irrigation seasons only), March 1940 to current year. Published as "at Santa Fe Railroad Bridge, near Prado" May 1930 to November 1931, as "at Atchison, Topeka, and Santa Fe Railroad Bridge, near Prado" May 1932 to November 1939, and as "below Prado Dam, near Prado" March 1940 to September 1950.

GAGE.--Water-stage recorder and concrete control August 1944 through Apr. 25, 2005, and since Nov. 14, 2005. Datum of gage is approximately 449 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Mar. 18, 1940, at about same site at various datums. From Apr. 26, 2005, to Nov. 13, 2005, gage was located on right bank of a temporary bypass (diversion) channel, in use during the construction of an improved outlet channel from Prado Dam. Temporary gage was at a different datum. From Nov. 14, 2005 to Oct. 7, 2008, gage was located on right bank of reconstructed outlet channel. Since Oct. 7, 2008, gage is located on left bank of channel.

REMARKS.--Records fair. Flow regulated since 1940 by Prado Flood-Control Reservoir, capacity, 196,200 acre-ft. Natural streamflow affected by extensive ground-water withdrawals, diversion for irrigation, discharges of treated effluent, and return flow from irrigated areas. Releases of imported water are made to the basin by the California Water Project at times in some years, via San Antonio Creek from Rialto Pipeline below San Antonio Dam. During the current year, the California Water Project released 12,190 acre-ft to the basin. See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft³/s, Jan. 15, 2005, gage height, 8.73 ft, site and datum then in use, from rating curve extended above 11,600 ft³/s; minimum daily, 2.4 ft³/s, July 29 to Aug. 3, Sept. 20, 1978 (result of gate closure).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 2, 1938, reached a discharge of 100,000 ft³/s, on basis of slope-area measurement of peak flow at site 2.5 mi downstream.

11074000 Santa Ana River below Prado Dam, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	91	99	309	357	399	152	134	113	77	73	67	86
2	77	100	253	371	299	151	131	114	81	69	65	76
3	70	100	e199	369	191	155	126	105	82	73	67	74
4	68	101	e163	348	189	155	119	105	81	74	68	63
5	75	142	e188	326	191	150	113	113	87	67	71	59
6	83	166	210	293	190	144	115	146	90	64	64	56
7	90	185	182	256	178	158	117	171	84	69	65	56
8	94	194	190	213	227	191	118	197	82	71	61	59
9	95	188	190	196	355	216	121	179	83	69	60	62
10	96	186	184	203	344	219	115	122	84	70	62	68
11	109	184	186	200	306	267	113	123	78	75	61	60
12	268	176	157	195	243	292	116	121	80	77	60	65
13	254	167	122	201	195	279	114	105	81	75	62	61
14	147	162	130	197	179	267	115	107	72	68	62	60
15	118	160	132	189	167	251	124	120	77	66	61	61
16	101	158	131	187	157	227	118	111	79	64	57	62
17	112	153	162	184	166	187	113	107	86	69	58	70
18	73	157	255	179	177	166	109	109	85	63	57	71
19	105	e153	313	174	151	144	108	e111	81	64	60	68
20	127	e150	339	169	163	136	105	e114	78	67	60	72
21	155	147	338	172	236	134	105	e104	69	86	57	72
22	160	141	336	169	274	120	107	95	59	83	56	71
23	126	151	331	175	262	115	109	94	67	79	53	74
24	116	145	322	179	244	120	116	88	73	76	55	68
25	103	146	323	180	229	124	117	86	77	73	58	60
26	94	151	321	203	238	131	112	90	78	69	63	76
27	96	157	319	210	169	131	105	92	72	69	68	59
28	98	155	317	320	157	130	112	94	73	70	58	57
29	99	188	315	393	---	127	118	85	67	67	57	58
30	95	241	313	410	---	125	123	85	70	62	106	66
31	97	---	338	426	---	133	---	78	---	62	121	---
Total	3,492	4,703	7,568	7,644	6,276	5,297	3,468	3,484	2,333	2,183	2,000	1,970
Mean	113	157	244	247	224	171	116	112	77.8	70.4	64.5	65.7
Max	268	241	339	426	399	292	134	197	90	86	121	86
Min	68	99	122	169	151	115	105	78	59	62	53	56
Ac-ft	6,930	9,330	15,010	15,160	12,450	10,510	6,880	6,910	4,630	4,330	3,970	3,910

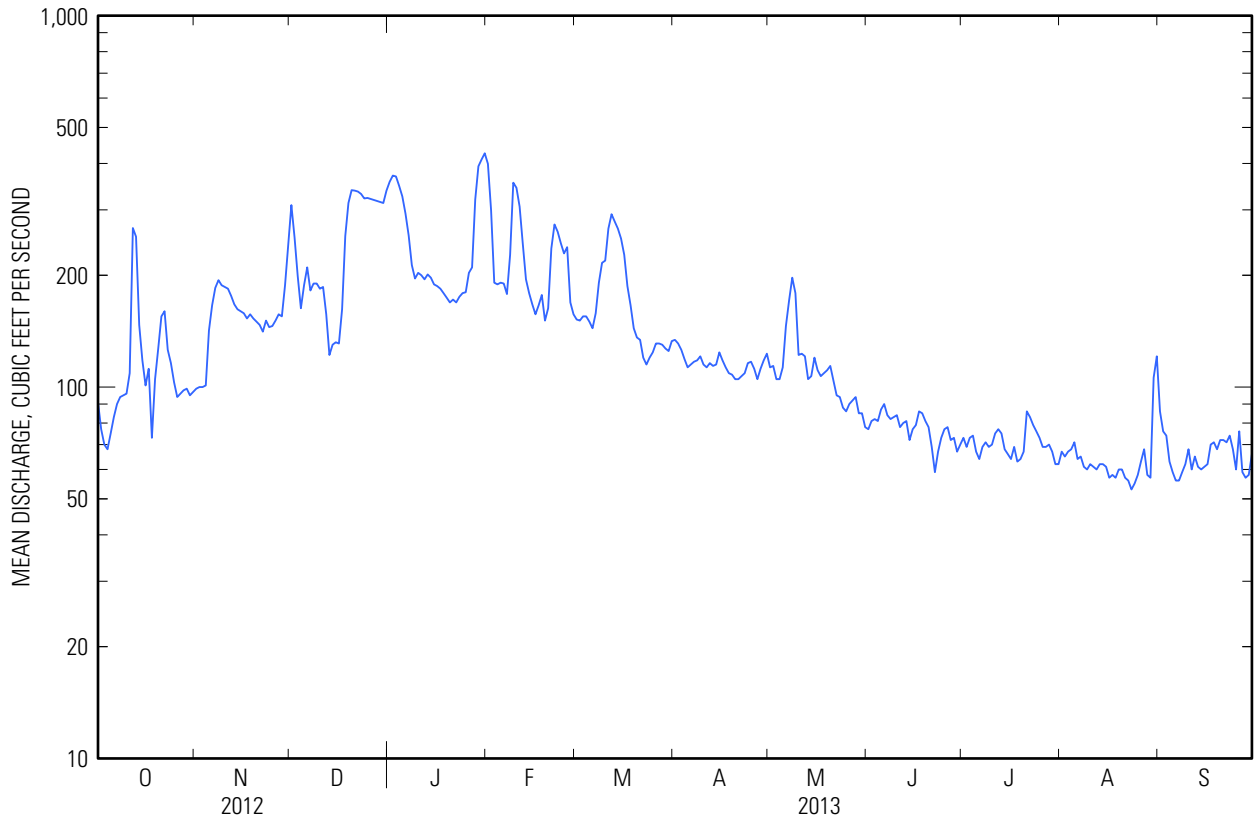
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	130	151	239	391	442	396	264	191	156	127	108	102
Max	910	322	1,300	3,543	2,733	2,556	1,101	915	736	446	402	372
(WY)	(2005)	(1997)	(2011)	(1993)	(1998)	(1980)	(1980)	(1998)	(1983)	(1998)	(2005)	(1997)
Min	22.4	33.5	39.5	49.2	49.8	54.3	43.3	35.2	29.0	17.7	14.8	16.2
(WY)	(1962)	(1963)	(1963)	(1963)	(1961)	(1961)	(1961)	(1961)	(1961)	(1960)	(1960)	(1960)

11074000 Santa Ana River below Prado Dam, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1941 - 2013	
Annual total	58,611		50,418			
Annual mean	160		138		224	
Highest annual mean					882	2005
Lowest annual mean					36.4	1961
Highest daily mean	340	Mar 20	426	Jan 31	11,400	Jan 14, 2005
Lowest daily mean	58	Aug 3	53	Aug 23	2.4	Jul 29, 1978
Annual seven-day minimum	64	Aug 8	57	Aug 18	3.0	Sep 24, 1973
Maximum peak flow			451	Jan 31	13,200	Jan 15, 2005
Maximum peak stage			3.69	Jan 31	8.73	Jan 15, 2005
Annual runoff (ac-ft)	116,300		100,000		162,100	
10 percent exceeds	276		258		385	
50 percent exceeds	150		114		140	
90 percent exceeds	74		62		42	



11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

CHEMICAL DATA: Water years 1967 to current year.

BIOLOGICAL DATA: Water years 1975-81.

SEDIMENT DATA: Water years 1974-94, 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1968 to current year.

WATER TEMPERATURE: October 1969 to current year.

CHLORIDE: October 1970 to September 1971.

SUSPENDED-SEDIMENT DISCHARGE: October 1973 to June 1982.

INSTRUMENTATION.--Water-quality monitor recording specific conductance and water temperature since October 1969.

REMARKS.--Specific conductance and water temperature records are affected by releases from Prado Dam. Interruptions in record at times due to malfunction of recording or sensing equipment. Sediment data and a portion of chemical data collected for the National Water-Quality Assessment (NAWQA) Program.

Specific conductance records excellent except for Oct. 4-11, Nov. 8-14, Mar. 28 to Apr. 15, May 3-21, June 12-19, which are good; Oct. 12-16, which are fair; and Oct. 17, Dec. 2 to Jan. 30, which are poor.

Temperature records excellent except for Dec. 2 to Jan. 30, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,830 microsiemens, Apr. 30, 1971; minimum recorded, 150 microsiemens, Jan. 5, 2008.

WATER TEMPERATURE: Maximum recorded, 36.0°C, Sept. 4, 1972, Sept. 8, 1984; minimum recorded, 2.5°C, Dec. 30, 1969.

SEDIMENT CONCENTRATION: Maximum daily mean, 2,870 mg/L, Mar. 5, 1978; minimum daily mean, 3 mg/L, Apr. 2, 1980, and several days during 1982.

SEDIMENT LOAD: Maximum daily, 18,900 tons, Mar. 5, 1978; minimum daily, 0.58 ton, Sept. 20, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,180 microsiemens, Mar. 23, June 19, 23, 24, Sept. 13; minimum recorded, 488 microsiemens, Dec. 13, 2012, but may have been lower during periods of missing record.

WATER TEMPERATURE: Maximum recorded, 27.7°C, Aug. 31, Sept. 1; minimum recorded, 10.8°C, Feb. 9, 2013, but may have been lower during periods of missing record.

11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius;
 μS/cm, microsiemens per centimeter]

Sample date-time	Tempera- ture, air, °C (00020)	Discharge, instanta- neous, ft ³ /s (00061)	Specific conduc- tance, water, unfiltered, μS/cm at 25°C (00095)	Tempera- ture, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)
10-01-2012 1630	40.0	93	1,100	23.4	659
10-17-2012 1420	35.5	119	1,090	20.9	651
11-14-2012 1344	25.6	161	1,080	14.6	649
11-28-2012 1445	20.6	150	1,100	17.0	673
12-12-2012 1337	17.1	209	1,030	15.1	633
12-31-2012 1331	17.7	357	847	11.2	510
01-30-2013 1357	20.2	428	790	14.0	483
02-13-2013 1259	19.2	198	1,090	12.7	626
02-26-2013 1432	21.7	269	1,090	13.5	687
03-15-2013 1350	24.3	251	1,060	19.0	623
03-29-2013 1536	24.3	133	1,120	19.5	681
04-15-2013 1455	19.2	127	1,110	17.7	685
04-30-2013 1140	18.2	129	1,100	20.1	671
05-14-2013 1255	27.5	123	1,120	23.2	675
05-29-2013 1347	26.7	87	1,120	22.7	659
06-19-2013 1336	26.3	82	1,160	23.7	687
07-03-2013 1025	27.4	76	1,140	24.4	682
07-17-2013 1430	33.0	76	1,130	24.0	709
08-14-2013 1350	29.7	65	1,130	23.5	699
09-13-2013 1209	28.3	67	1,170	22.3	711
09-26-2013 1248	23.4	72	1,190	21.1	716

11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 5

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Sample date-time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Absorbance, UV, 254 nm, 1 cm path length, water, filtered, units per cm (50624)	Absorbance, UV, organic constituents, 280 nm, 1 cm path length, water, filtered, units per cm (61726)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)
10-09-2012 1500	749	25.5	0.108	0.081	99	9.3	107	8.2	1,090
11-15-2012 1430	752	22.5	.111	.083	161	9.2	93	7.9	963
12-10-2012 1500	752	23.5	.104	.076	191	10.1	102	8.0	1,060
01-16-2013 1330	756	21.0	.091	.067	198	14.2	127	8.2	1,080
01-30-2013 1045	760	11.0	.164	.121	432	9.5	93	7.9	787
02-13-2013 1315	757	14.0	.096	.070	198	10.2	98	8.0	1,070
02-26-2013 1430	750	21.5	.111	.083	269	10.0	98	8.0	1,100
03-12-2013 1245	753	24.5	.160	.118	296	8.8	89	8.1	767
03-26-2013 1030	750	14.5	.095	.071	138	10.2	109	8.1	1,110
04-09-2013 1230	748	25.3	.118	.090	125	11.3	121	8.1	1,110
04-25-2013 1030	752	20.0	.103	.077	134	11.5	125	8.1	1,120
05-07-2013 1330	751	24.5	.373	.264	186	7.4	82	7.7	767
05-23-2013 1300	748	26.0	.125	.101	98	8.9	103	8.1	1,120
06-03-2013 1400	747	25.0	.230	.188	79	7.8	94	8.2	1,120
06-19-2013 1230	746	27.0	.107	.080	82	9.1	108	8.2	1,160
07-16-2013 1215	748	32.0	.100	.074	71	7.4	90	8.2	1,170
08-05-2013 1230	750	27.5	.107	.081	76	8.7	103	8.3	1,130
09-04-2013 1315	746	37.5	.108	.080	65	10.0	125	8.1	1,140

11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 5

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Sample date-time	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)
10-09-2012 1500	21.5	46	688	84.4	19.8	14.3	114	229
11-15-2012 1430	15.0	34	586	73.9	18.8	11.3	104	188
12-10-2012 1500	15.5	31	652	87.4	19.8	13.0	106	212
01-16-2013 1330	10.0	20	675	87.7	20.7	12.9	104	212
01-30-2013 1045	14.0	E 14	471	62.5	15.0	10.2	73.4	172
02-13-2013 1315	13.0	31	676	85.8	20.5	12.6	102	232
02-26-2013 1430	13.5	E 20	670	84.8	20.8	12.3	101	229
03-12-2013 1245	15.5	E 14	448	58.9	14.0	9.43	71.7	160
03-26-2013 1030	17.5	28	688	85.9	21.0	12.2	104	234
04-09-2013 1230	17.5	27	693	85.9	20.8	12.5	112	230
04-25-2013 1030	18.5	29	707	86.7	21.8	13.2	116	238
05-07-2013 1330	19.5	E 18	471	60.3	14.2	10.4	79.9	164
05-23-2013 1300	21.5	33	685	85.6	19.5	13.3	115	231
06-03-2013 1400	23.5	41	688	88.6	21.6	13.6	117	232
06-19-2013 1230	23.0	39	699	84.9	20.1	12.6	107	238
07-16-2013 1215	24.0	47	705	98.7	22.9	14.1	120	239
08-05-2013 1230	23.0	34	712	87.2	20.6	13.6	115	233
09-04-2013 1315	26.0	45	691	94.5	20.7	13.1	102	238

11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 5

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Sample date-time	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbon (inorganic plus organic), suspended sediment, total, mg/L (00694)	Carbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Inorganic carbon, suspended sediment, total, mg/L (00688)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)
10-09-2012 1500	275	2.47	2	140	0.39	0.04	21.8	113	0.67
11-15-2012 1430	227	1.81	1	133	.35	< .03	17.3	86.6	.70
12-10-2012 1500	255	2.10	2	137	.39	< .03	20.2	103	.71
01-16-2013 1330	255	1.59	2	132	.39	< .03	20.5	107	.61
01-30-2013 1045	208	1.21	1	94.8	.36	< .03	15.3	84.5	.64
02-13-2013 1315	280	2.02	2	136	.38	< .03	20.0	113	.60
02-26-2013 1430	277	1.14	1	138	.37	< .03	19.8	116	.63
03-12-2013 1245	192	.99	1	87.7	.32	< .03	14.5	84.2	.70
03-26-2013 1030	281	1.73	2	135	.42	< .03	19.9	119	.61
04-09-2013 1230	277	1.82	2	138	.43	< .03	18.5	115	.66
04-25-2013 1030	286	1.64	2	145	.44	< .03	19.1	122	.70
05-07-2013 1330	198	2.29	1	86.1	.39	< .03	14.7	79.5	1.1
05-23-2013 1300	277	.99	2	144	.42	< .03	18.2	121	.68
06-03-2013 1400	278	2.18	2	139	.53	< .03	20.4	116	.52
06-19-2013 1230	286	1.41	2	147	.52	< .03	18.4	122	.66
07-16-2013 1215	286	1.59	2	148	.50	< .03	22.1	120	.58
08-05-2013 1230	277	1.71	3	139	.47	< .03	20.4	111	.61
09-04-2013 1315	285	2.45	2	145	.47	< .03	22.5	122	.59

11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 4 of 5

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Sample date-time	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Particulate nitrogen, suspended in water, mg/L (49570)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)
10-09-2012 1500	1.1	0.047	4.12	0.041	0.926	0.396	0.92	1.07	--
11-15-2012 1430	.86	.110	3.56	.055	.917	.259	.91	1.03	--
12-10-2012 1500	.90	.082	5.65	.044	1.11	.268	1.15	1.24	--
01-16-2013 1330	.81	.049	6.40	.028	.936	.224	.96	1.05	--
01-30-2013 1045	1.1	.140	4.58	.071	.530	.229	.53	.59	--
02-13-2013 1315	.86	.119	5.47	.045	1.11	.195	1.10	1.22	--
02-26-2013 1430	.84	.084	5.68	.042	1.11	.115	1.14	1.23	--
03-12-2013 1245	.76	.039	3.93	.038	.622	.174	.66	.67	--
03-26-2013 1030	.86	.060	5.10	.023	.953	.186	.96	1.06	--
04-09-2013 1230	.97	.053	4.78	.028	1.05	.242	1.06	1.19	--
04-25-2013 1030	.97	.061	4.78	.033	1.03	.208	1.03	1.13	--
05-07-2013 1330	1.4	.118	3.92	.133	.699	.404	.72	.81	--
05-23-2013 1300	1.0	.059	4.40	.037	1.11	.140	1.10	1.21	4.67
06-03-2013 1400	.90	.033	3.66	.035	1.02	.293	.99	1.18	4.30
06-19-2013 1230	1.0	.030	3.66	.030	1.10	.210	1.06	1.21	4.17
07-16-2013 1215	.86	<.010	3.66	.030	.912	.268	.91	1.06	4.14
08-05-2013 1230	.86	.030	3.87	.048	.823	.260	.82	.94	4.31
09-04-2013 1315	.88	.036	4.45	.036	1.04	.330	1.07	1.23	4.78

11074000 Santa Ana River below Prado Dam, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 5 of 5

[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; cm, centimeter; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Sample date-time	Iron, water, filtered, µg/L (01046)	Lithium, water, filtered, µg/L (01130)	Strontium, water, filtered, µg/L (01080)	Vanadium, water, filtered, µg/L (01085)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Selenium, water, filtered, µg/L (01145)	Organic carbon, suspended sediment, total, mg/L (00689)	Organic carbon, water, filtered, mg/L (00681)
10-09-2012 1500	11.1	6.28	567	7.3	3.3	274	0.35	2.43	5.10
11-15-2012 1430	70.0	4.30	475	6.3	2.7	230	.32	1.79	4.24
12-10-2012 1500	17.4	5.55	561	5.6	2.7	256	.44	2.08	4.87
01-16-2013 1330	14.5	6.07	586	4.5	2.4	234	.51	1.59	4.42
01-30-2013 1045	20.6	4.52	417	5.2	2.3	174	.29	1.21	5.28
02-13-2013 1315	13.4	7.12	594	5.3	2.7	269	.43	2.01	4.61
02-26-2013 1430	11.0	5.71	603	5.6	2.7	251	.49	1.14	4.55
03-12-2013 1245	420	3.69	386	6.0	2.4	172	.37	.99	5.10
03-26-2013 1030	28.1	6.41	592	6.9	3.1	275	.58	1.72	4.23
04-09-2013 1230	9.0	6.94	594	6.7	3.1	292	.41	1.82	4.35
04-25-2013 1030	11.2	6.88	605	6.4	3.2	267	.45	1.63	3.81
05-07-2013 1330	47.3	5.33	396	7.0	2.9	197	.47	2.29	11.1
05-23-2013 1300	13.7	7.54	567	7.4	3.5	266	.47	.97	4.28
06-03-2013 1400	6.0	7.62	653	10.3	4.2	291	.56	2.18	3.79
06-19-2013 1230	< 4.0	7.58	602	8.3	3.4	286	.38	1.40	4.35
07-16-2013 1215	7.6	7.84	639	7.8	3.1	292	.41	1.57	4.00
08-05-2013 1230	10.4	6.99	620	7.4	2.7	227	.38	1.71	3.73
09-04-2013 1315	5.0	7.03	630	7.7	3.4	264	.43	2.44	4.20

11074000 Santa Ana River below Prado Dam, CA—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	1,110	1,080	1,090	1,090	1,060	1,080	964	682	860	---	---	---
2	1,120	1,090	1,110	1,080	1,060	1,080	---	---	---	---	---	---
3	1,130	1,070	1,100	1,080	1,060	1,070	---	---	---	---	---	---
4	1,130	1,070	1,090	1,080	1,050	1,060	---	---	---	---	---	---
5	1,100	1,060	1,080	1,060	1,040	1,050	---	---	---	---	---	---
6	1,120	1,070	1,090	1,050	1,030	1,040	---	---	---	---	---	---
7	1,130	1,050	1,100	1,040	1,020	1,030	---	---	---	---	---	---
8	1,110	1,060	1,080	1,050	1,020	1,040	---	---	---	---	---	---
9	1,110	1,070	1,090	1,060	968	1,040	---	---	---	---	---	---
10	1,120	1,080	1,100	982	954	965	---	---	---	---	---	---
11	1,090	905	1,070	1,060	982	1,030	---	---	---	---	---	---
12	908	678	779	1,080	1,060	1,060	---	---	---	---	---	---
13	1,120	906	1,050	1,110	1,040	1,070	---	---	---	---	---	---
14	1,110	1,060	1,080	1,100	998	1,080	---	---	---	---	---	---
15	1,100	1,060	1,080	998	962	974	---	---	---	---	---	---
16	1,110	1,080	1,100	984	966	971	---	---	---	---	---	---
17	1,110	1,080	1,090	1,070	958	1,030	---	---	---	---	---	---
18	1,160	1,110	1,150	1,020	944	978	---	---	---	---	---	---
19	1,160	1,110	1,130	1,070	963	1,030	---	---	---	---	---	---
20	1,140	1,080	1,110	1,120	1,070	1,080	---	---	---	---	---	---
21	1,100	1,050	1,080	1,130	1,120	1,120	---	---	---	---	---	---
22	1,060	1,030	1,050	1,130	1,080	1,120	---	---	---	---	---	---
23	1,060	1,030	1,050	1,110	1,080	1,090	---	---	---	---	---	---
24	1,060	1,000	1,050	1,110	1,090	1,100	---	---	---	---	---	---
25	1,090	1,030	1,060	1,100	1,080	1,090	---	---	---	---	---	---
26	1,100	1,050	1,100	1,100	1,060	1,080	---	---	---	---	---	---
27	1,110	1,090	1,100	1,090	1,070	1,080	---	---	---	---	---	---
28	1,100	1,070	1,090	1,110	1,050	1,100	---	---	---	---	---	---
29	1,070	1,050	1,060	1,080	964	1,060	---	---	---	---	---	---
30	1,070	1,050	1,060	1,030	634	979	---	---	---	---	---	---
31	1,080	1,060	1,070	---	---	---	---	---	---	988	854	893
Max	1,160	1,110	1,150	1,130	1,120	1,120	---	---	---	---	---	---
Min	908	678	779	982	634	965	---	---	---	---	---	---

11074000 Santa Ana River below Prado Dam, CA—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

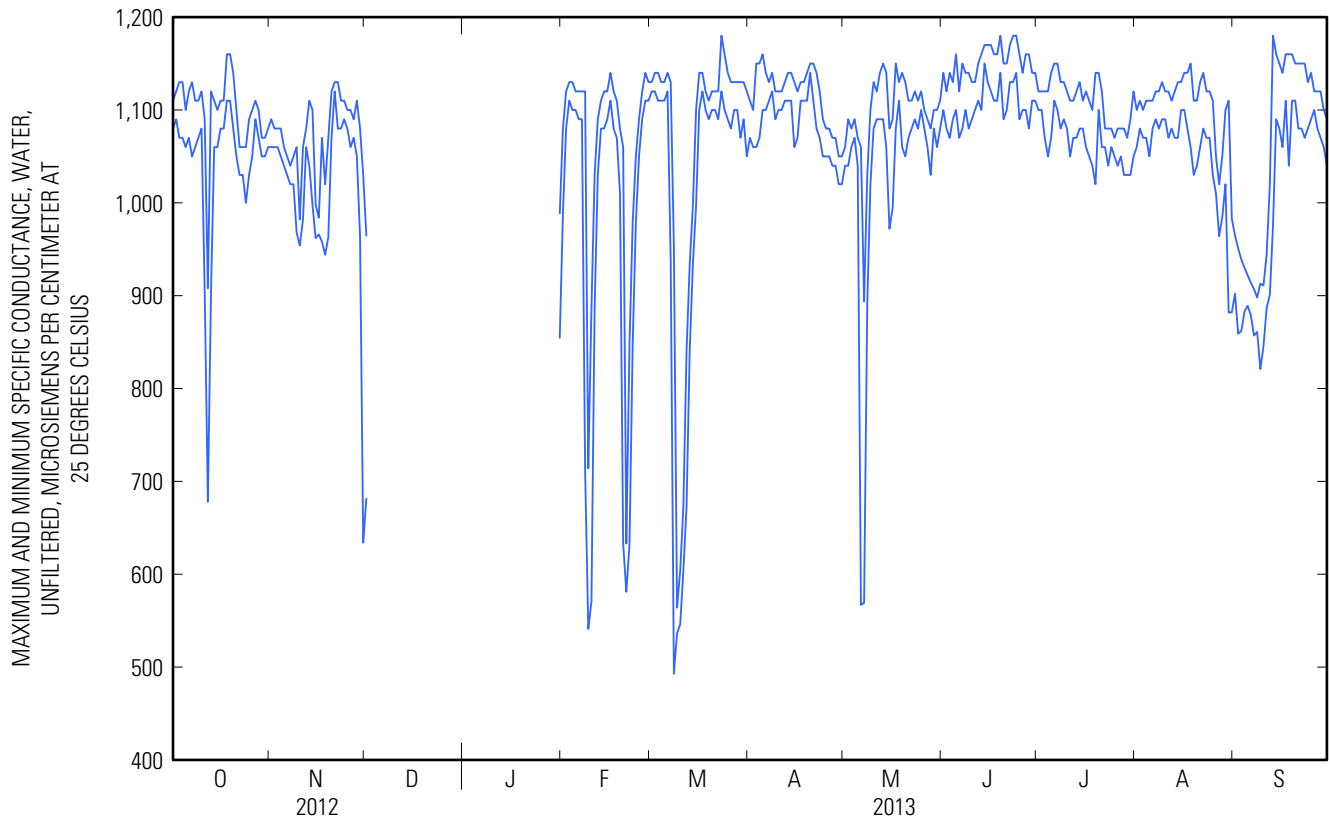
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	1,080	988	1,020	1,130	1,120	1,120	1,110	1,070	1,090	1,060	1,040	1,050
2	1,120	1,080	1,110	1,140	1,120	1,130	1,100	1,060	1,080	1,090	1,040	1,060
3	1,130	1,110	1,120	1,140	1,110	1,130	1,150	1,060	1,100	1,080	1,060	1,070
4	1,130	1,100	1,100	1,130	1,110	1,120	1,150	1,070	1,130	1,090	1,070	1,080
5	1,120	1,100	1,110	1,130	1,110	1,120	1,160	1,100	1,130	1,070	1,040	1,060
6	1,120	1,090	1,100	1,140	1,120	1,130	1,140	1,100	1,120	1,060	567	1,020
7	1,120	1,090	1,100	1,130	936	1,100	1,130	1,110	1,120	894	569	726
8	1,120	712	982	953	493	698	1,140	1,120	1,120	1,030	891	994
9	714	541	564	564	536	550	1,120	1,090	1,100	1,100	1,020	1,070
10	886	571	707	604	546	570	1,120	1,100	1,110	1,130	1,080	1,110
11	1,030	886	978	673	604	641	1,120	1,100	1,110	1,120	1,090	1,110
12	1,090	1,030	1,050	841	673	737	1,130	1,110	1,120	1,140	1,090	1,120
13	1,110	1,080	1,100	934	841	872	1,140	1,110	1,120	1,150	1,090	1,130
14	1,120	1,080	1,100	997	934	959	1,140	1,110	1,120	1,140	1,060	1,100
15	1,120	1,090	1,110	1,100	997	1,030	1,130	1,060	1,120	1,080	972	1,020
16	1,140	1,110	1,120	1,140	1,100	1,130	1,120	1,070	1,090	1,090	994	1,050
17	1,120	1,080	1,100	1,140	1,120	1,130	1,130	1,110	1,120	1,150	1,080	1,130
18	1,110	1,070	1,080	1,120	1,100	1,110	1,130	1,110	1,120	1,130	1,110	1,120
19	1,080	1,010	1,060	1,110	1,090	1,100	1,140	1,110	1,120	1,140	1,060	1,110
20	1,060	633	728	1,120	1,100	1,110	1,150	1,140	1,140	1,130	1,050	1,090
21	633	581	595	1,120	1,100	1,110	1,150	1,110	1,140	1,110	1,070	1,100
22	847	632	713	1,120	1,090	1,110	1,140	1,080	1,110	1,110	1,080	1,100
23	978	847	904	1,180	1,120	1,150	1,120	1,070	1,090	1,120	1,090	1,110
24	1,050	978	1,020	1,160	1,100	1,130	1,090	1,050	1,070	1,110	1,080	1,110
25	1,090	1,050	1,080	1,140	1,090	1,120	1,080	1,050	1,060	1,120	1,100	1,110
26	1,120	1,090	1,100	1,130	1,080	1,110	1,080	1,050	1,060	1,100	1,080	1,100
27	1,140	1,110	1,120	1,130	1,100	1,120	1,070	1,040	1,060	1,090	1,060	1,080
28	1,130	1,110	1,120	1,130	1,100	1,120	1,070	1,040	1,050	1,080	1,030	1,080
29	---	---	---	1,130	1,070	1,120	1,050	1,020	1,040	1,100	1,080	1,090
30	---	---	---	1,130	1,090	1,120	1,050	1,020	1,030	1,100	1,060	1,090
31	---	---	---	1,120	1,050	1,100	---	---	---	1,110	1,080	1,110
Max	1,140	1,110	1,120	1,180	1,120	1,150	1,160	1,140	1,140	1,150	1,110	1,130
Min	633	541	564	564	493	550	1,050	1,020	1,030	894	567	726

11074000 Santa Ana River below Prado Dam, CA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	1,140	1,100	1,120	1,120	1,100	1,110	1,100	1,060	1,090	965	902	934
2	1,120	1,080	1,100	1,120	1,100	1,110	1,110	1,080	1,100	951	859	898
3	1,140	1,070	1,110	1,120	1,070	1,090	1,100	1,070	1,080	939	862	897
4	1,130	1,090	1,110	1,120	1,050	1,100	1,110	1,070	1,090	930	883	906
5	1,160	1,100	1,120	1,140	1,070	1,110	1,110	1,050	1,080	922	889	910
6	1,120	1,070	1,100	1,150	1,110	1,130	1,110	1,080	1,100	914	879	900
7	1,150	1,080	1,120	1,150	1,100	1,120	1,120	1,090	1,110	907	857	884
8	1,140	1,100	1,130	1,130	1,080	1,110	1,120	1,080	1,110	898	861	876
9	1,140	1,080	1,120	1,130	1,090	1,110	1,130	1,090	1,110	913	821	868
10	1,130	1,090	1,110	1,120	1,080	1,110	1,120	1,090	1,110	911	846	885
11	1,130	1,100	1,110	1,110	1,050	1,090	1,120	1,070	1,100	945	887	921
12	1,150	1,110	1,140	1,110	1,070	1,090	1,110	1,080	1,100	1,020	901	973
13	1,160	1,100	1,130	1,120	1,070	1,100	1,120	1,070	1,090	1,180	976	1,040
14	1,170	1,150	1,160	1,130	1,080	1,110	1,130	1,070	1,100	1,160	1,090	1,150
15	1,170	1,130	1,150	1,110	1,080	1,090	1,130	1,100	1,120	1,150	1,080	1,130
16	1,170	1,120	1,150	1,120	1,060	1,100	1,140	1,100	1,120	1,140	1,060	1,120
17	1,160	1,110	1,140	1,110	1,050	1,090	1,140	1,080	1,120	1,160	1,110	1,140
18	1,160	1,110	1,140	1,100	1,040	1,080	1,150	1,060	1,120	1,160	1,040	1,120
19	1,180	1,140	1,150	1,140	1,020	1,110	1,110	1,030	1,080	1,160	1,110	1,140
20	1,150	1,090	1,130	1,140	1,100	1,120	1,110	1,040	1,080	1,150	1,110	1,140
21	1,150	1,100	1,120	1,120	1,060	1,080	1,130	1,060	1,100	1,150	1,080	1,130
22	1,170	1,130	1,150	1,080	1,060	1,070	1,140	1,080	1,120	1,150	1,080	1,110
23	1,180	1,130	1,150	1,080	1,040	1,060	1,120	1,070	1,100	1,150	1,070	1,110
24	1,180	1,140	1,140	1,080	1,060	1,070	1,120	1,070	1,100	1,130	1,080	1,110
25	1,160	1,090	1,120	1,070	1,050	1,060	1,110	1,030	1,070	1,140	1,090	1,120
26	1,140	1,100	1,120	1,080	1,040	1,070	1,050	1,010	1,020	1,120	1,100	1,110
27	1,160	1,100	1,130	1,080	1,050	1,070	1,020	964	984	1,120	1,080	1,100
28	1,160	1,080	1,130	1,080	1,030	1,060	1,050	985	1,010	1,120	1,070	1,100
29	1,140	1,110	1,130	1,070	1,030	1,050	1,100	1,020	1,060	1,100	1,060	1,080
30	1,140	1,110	1,120	1,090	1,030	1,060	1,110	882	1,020	1,090	1,040	1,060
31	---	---	---	1,120	1,050	1,080	983	882	942	---	---	---
Max	1,180	1,150	1,160	1,150	1,110	1,130	1,150	1,100	1,120	1,180	1,110	1,150
Min	1,120	1,070	1,100	1,070	1,020	1,050	983	882	942	898	821	868

11074000 Santa Ana River below Prado Dam, CA—Continued



11074000 Santa Ana River below Prado Dam, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	23.4	21.8	22.8	18.0	17.2	17.5	19.1	18.4	18.6	---	---	---
2	23.3	21.6	22.8	18.0	17.1	17.6	---	---	---	---	---	---
3	22.9	21.5	22.3	18.4	17.2	17.8	---	---	---	---	---	---
4	22.6	21.1	21.8	18.3	17.2	17.5	---	---	---	---	---	---
5	21.9	20.5	21.4	18.3	17.3	18.0	---	---	---	---	---	---
6	21.8	20.4	21.3	18.2	17.5	18.0	---	---	---	---	---	---
7	22.3	20.9	21.6	18.2	17.5	17.9	---	---	---	---	---	---
8	22.4	21.0	22.0	17.8	17.4	17.7	---	---	---	---	---	---
9	21.7	20.6	21.3	18.0	17.2	17.7	---	---	---	---	---	---
10	21.5	20.4	21.0	17.2	15.2	16.6	---	---	---	---	---	---
11	21.0	19.3	19.9	15.2	14.0	14.7	---	---	---	---	---	---
12	20.0	16.3	16.9	14.0	13.0	13.6	---	---	---	---	---	---
13	19.5	17.4	18.3	14.1	13.1	13.7	---	---	---	---	---	---
14	21.0	18.8	19.7	14.7	13.6	14.4	---	---	---	---	---	---
15	21.1	19.7	20.6	15.3	14.3	15.1	---	---	---	---	---	---
16	21.0	19.5	20.6	16.8	15.1	16.3	---	---	---	---	---	---
17	24.2	17.9	20.9	17.9	16.7	17.1	---	---	---	---	---	---
18	22.0	19.9	21.0	18.9	17.9	18.5	---	---	---	---	---	---
19	22.1	20.4	21.4	18.3	17.2	17.8	---	---	---	---	---	---
20	21.9	21.0	21.6	17.3	16.7	17.1	---	---	---	---	---	---
21	21.4	20.7	21.0	17.1	16.0	16.6	---	---	---	---	---	---
22	20.9	20.0	20.6	16.8	15.5	16.3	---	---	---	---	---	---
23	20.3	19.3	19.7	17.1	15.8	16.8	---	---	---	---	---	---
24	19.5	18.1	18.6	16.9	15.7	16.6	---	---	---	---	---	---
25	18.7	17.5	18.2	16.8	15.9	16.5	---	---	---	---	---	---
26	18.4	17.1	17.6	17.6	16.6	17.2	---	---	---	---	---	---
27	18.3	17.0	17.7	17.1	16.0	16.4	---	---	---	---	---	---
28	18.5	17.2	18.0	17.9	15.9	16.6	---	---	---	---	---	---
29	18.6	17.2	18.0	18.8	17.5	17.8	---	---	---	---	---	---
30	18.4	17.3	17.8	19.8	18.0	18.5	---	---	---	---	---	---
31	18.2	17.1	17.6	---	---	---	---	---	---	14.4	13.1	13.5
Max	24.2	21.8	22.8	19.8	18.0	18.5	---	---	---	---	---	---
Min	18.2	16.3	16.9	14.0	13.0	13.6	---	---	---	---	---	---

11074000 Santa Ana River below Prado Dam, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

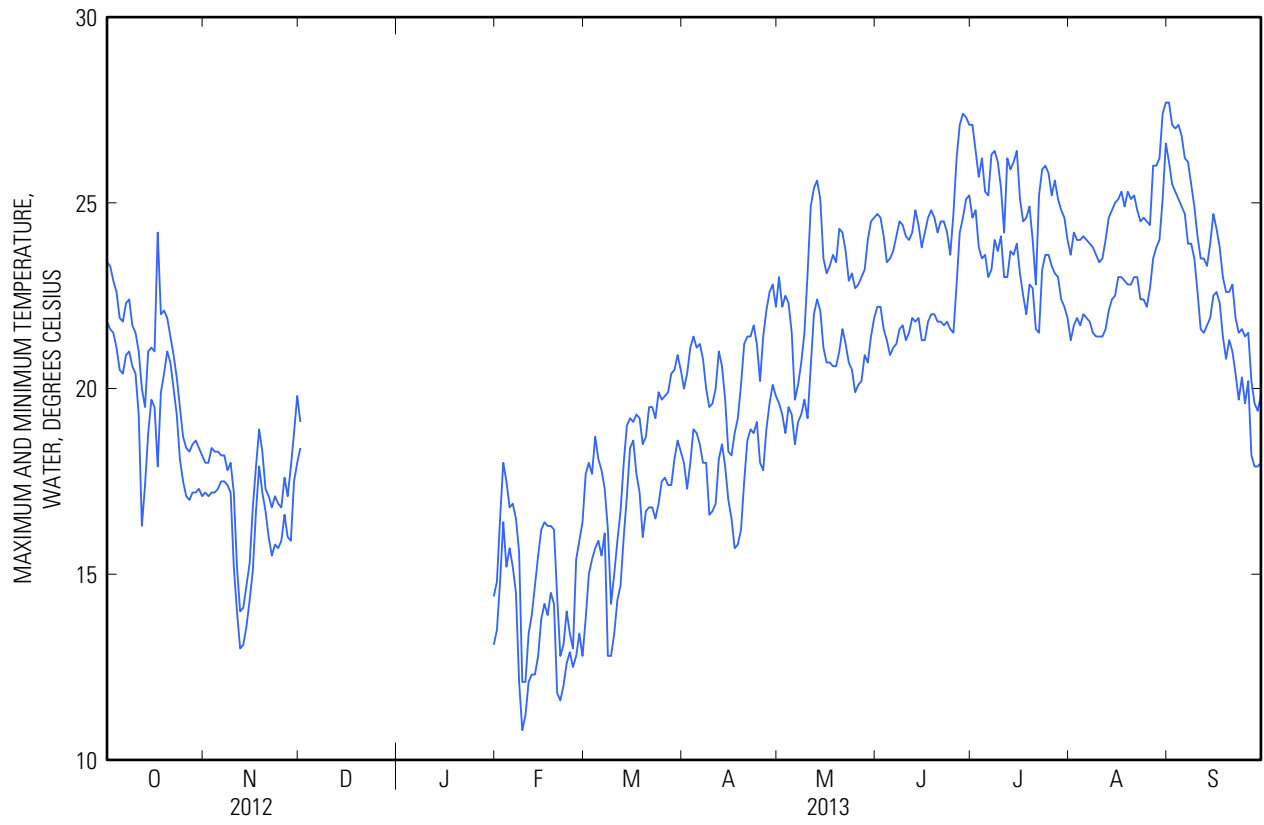
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	14.8	13.5	13.9	17.7	13.8	15.6	20.0	18.0	18.9	23.0	19.6	21.0
2	16.5	14.8	15.1	18.0	15.0	16.5	20.4	17.3	18.4	22.2	19.3	21.3
3	18.0	16.4	16.9	17.7	15.4	16.7	21.1	18.0	19.6	22.5	18.8	21.0
4	17.5	15.2	16.3	18.7	15.7	16.8	21.4	18.9	20.4	22.3	19.5	21.4
5	16.8	15.7	16.0	18.1	15.9	17.3	21.1	18.8	20.2	21.5	19.3	19.8
6	16.9	15.2	15.8	17.8	15.5	16.9	21.2	18.5	20.1	19.7	18.5	19.1
7	16.5	14.5	15.4	17.3	16.1	16.5	20.8	18.0	19.6	20.1	19.1	19.4
8	15.6	12.1	14.1	16.2	12.8	13.8	20.0	18.0	19.0	20.7	19.3	20.4
9	12.1	10.8	11.1	14.2	12.8	13.7	19.5	16.6	18.2	21.5	19.7	20.4
10	12.1	11.2	11.6	15.0	13.4	14.2	19.6	16.7	18.3	23.1	19.2	20.9
11	13.4	12.1	12.6	15.9	14.3	14.8	20.0	16.9	18.7	24.9	20.6	22.4
12	13.9	12.3	12.9	16.7	14.7	15.5	21.0	18.1	19.5	25.4	22.0	23.9
13	14.7	12.3	13.4	18.0	16.0	16.9	20.6	18.5	19.8	25.6	22.4	24.5
14	15.5	12.8	14.0	19.0	17.1	18.0	19.7	17.9	18.3	25.1	22.1	23.8
15	16.2	13.8	14.9	19.2	18.4	18.6	18.3	17.0	17.6	23.5	21.1	22.7
16	16.4	14.2	15.2	19.1	18.6	18.8	18.2	16.5	17.6	23.1	20.7	22.3
17	16.3	13.9	15.1	19.3	17.7	18.5	18.8	15.7	17.1	23.3	20.7	22.1
18	16.3	14.5	15.6	19.2	17.2	17.9	19.2	15.8	17.8	23.6	20.6	22.2
19	16.2	14.2	15.1	18.5	16.0	17.4	20.1	16.2	18.2	23.4	20.6	22.2
20	14.4	11.8	13.2	18.7	16.7	17.9	21.2	17.5	19.2	24.3	21.0	22.6
21	12.8	11.6	12.2	19.5	16.8	18.1	21.4	18.6	20.4	24.2	21.6	23.2
22	13.1	12.0	12.5	19.5	16.8	18.3	21.4	18.9	20.6	23.7	21.2	22.9
23	14.0	12.6	13.4	19.2	16.5	18.0	21.7	18.8	20.5	22.9	20.7	22.1
24	13.4	12.9	13.1	19.9	16.9	18.4	21.2	19.1	20.1	23.1	20.5	21.8
25	13.0	12.5	12.8	19.7	17.5	18.8	20.2	18.0	19.4	22.7	19.9	21.7
26	15.4	12.8	13.3	19.8	17.6	18.8	21.4	17.8	19.4	22.8	20.1	21.6
27	15.9	13.4	14.8	19.9	17.4	18.8	22.1	18.9	20.7	23.0	20.2	21.9
28	16.4	12.8	14.5	20.4	17.4	18.9	22.6	19.6	21.4	23.2	20.9	22.3
29	---	---	---	20.5	18.1	19.4	22.8	20.1	21.8	24.0	20.7	22.4
30	---	---	---	20.9	18.6	19.9	22.2	19.8	21.2	24.5	21.4	23.3
31	---	---	---	20.5	18.3	19.6	---	---	---	24.6	21.9	23.4
Max	18.0	16.4	16.9	20.9	18.6	19.9	22.8	20.1	21.8	25.6	22.4	24.5
Min	12.1	10.8	11.1	14.2	12.8	13.7	18.2	15.7	17.1	19.7	18.5	19.1

11074000 Santa Ana River below Prado Dam, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	24.7	22.2	23.8	27.1	24.6	25.9	23.6	21.3	22.8	27.7	26.1	26.9
2	24.6	22.2	23.7	26.4	24.8	25.9	24.2	21.7	22.9	27.1	25.5	26.4
3	24.1	21.6	23.2	25.7	23.8	25.0	24.0	21.9	23.2	27.0	25.3	26.4
4	23.4	21.3	22.7	26.2	23.5	24.8	24.0	21.7	23.0	27.1	25.1	26.3
5	23.5	20.9	22.4	25.3	23.6	24.4	24.1	22.0	23.2	26.8	24.9	26.0
6	23.7	21.1	22.6	25.2	23.0	24.1	24.0	21.9	23.2	26.2	24.7	25.2
7	24.1	21.2	22.8	26.3	23.2	24.4	23.9	21.8	23.0	26.1	23.9	25.3
8	24.5	21.6	23.2	26.4	24.0	25.3	23.8	21.5	22.9	25.5	23.9	24.8
9	24.4	21.7	23.2	26.1	23.7	25.2	23.6	21.4	22.7	24.9	23.5	24.2
10	24.1	21.3	22.9	25.4	24.1	24.5	23.4	21.4	22.5	24.1	22.6	23.2
11	24.0	21.5	23.1	24.2	23.0	23.7	23.5	21.4	22.6	23.5	21.6	22.8
12	24.2	21.9	23.2	26.2	23.0	24.4	24.0	21.6	22.8	23.5	21.5	22.7
13	24.8	21.8	23.2	25.9	23.7	24.9	24.6	22.1	23.1	23.3	21.7	22.9
14	24.4	21.9	23.5	26.1	23.6	25.0	24.8	22.4	23.6	23.9	21.9	23.0
15	23.8	21.3	22.9	26.4	23.9	25.2	25.0	22.5	23.9	24.7	22.5	23.5
16	24.2	21.3	22.7	25.1	23.1	24.4	25.1	23.0	24.1	24.3	22.6	23.7
17	24.6	21.8	23.3	24.5	22.5	23.8	25.3	23.0	24.3	23.8	22.3	23.0
18	24.8	22.0	23.8	24.6	22.0	23.5	24.9	22.9	24.0	23.0	21.4	22.4
19	24.6	22.0	23.7	24.9	22.8	24.0	25.3	22.8	24.0	22.6	20.8	22.0
20	24.2	21.8	23.5	24.0	22.7	23.0	25.1	22.8	24.1	22.6	21.3	21.9
21	24.5	21.8	23.5	22.8	21.6	22.1	25.2	23.0	24.0	22.8	21.0	21.9
22	24.5	21.7	23.3	25.2	21.5	23.1	24.8	23.0	23.9	21.9	20.4	21.3
23	24.2	21.8	23.1	25.9	23.2	24.7	24.5	22.4	23.7	21.5	19.7	21.0
24	23.6	21.6	22.8	26.0	23.6	25.1	24.6	22.4	23.6	21.6	20.3	21.2
25	24.7	21.5	22.8	25.8	23.6	25.0	24.5	22.2	23.5	21.4	19.6	20.7
26	26.2	22.8	24.3	25.2	23.3	24.5	24.4	22.7	23.7	21.5	20.2	20.8
27	27.1	24.2	25.7	25.6	23.1	24.4	26.0	23.5	24.8	20.2	18.2	19.3
28	27.4	24.6	26.1	25.1	23.0	24.1	26.0	23.8	25.1	19.6	17.9	19.1
29	27.3	25.1	26.6	24.8	22.4	23.7	26.2	24.0	25.4	19.4	17.9	19.0
30	27.1	25.2	26.4	24.6	22.2	23.6	27.4	25.1	25.8	19.8	18.0	19.1
31	---	---	---	24.0	21.9	23.2	27.7	26.6	27.3	---	---	---
Max	27.4	25.2	26.6	27.1	24.8	25.9	27.7	26.6	27.3	27.7	26.1	26.9
Min	23.4	20.9	22.4	22.8	21.5	22.1	23.4	21.3	22.5	19.4	17.9	19.0

11074000 Santa Ana River below Prado Dam, CA—Continued



11074000 Santa Ana River below Prado Dam, CA—Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[ft³/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters;
 °C, degrees Celsius; --, no data]

Sample date-time	Discharge, instantaneous, ft ³ /s (00061)	Temperature, water, °C (00010)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-09-2012 1500	99	21.5	--	64	17
11-15-2012 1430	161	15.0	--	49	21
12-10-2012 1500	191	15.5	99	53	27
01-16-2013 1330	198	10.0	97	38	20
01-30-2013 1045	432	14.0	95	17	20
02-13-2013 1315	198	13.0	98	54	29
02-26-2013 1430	269	13.5	99	34	25
03-12-2013 1245	296	15.5	94	16	13
03-26-2013 1030	138	17.5	99	49	18
04-09-2013 1230	125	17.5	99	42	14
04-25-2013 1030	134	18.5	99	50	18
05-07-2013 1330	186	19.5	98	31	16
05-23-2013 1300	98	21.5	99	53	14
06-03-2013 1400	79	23.5	99	60	13
06-19-2013 1230	82	23.0	98	62	14
07-16-2013 1215	71	24.0	99	64	12
08-05-2013 1230	76	23.0	98	48	9.8
09-04-2013 1315	65	26.0	99	67	12

11074000 Santa Ana River below Prado Dam, CA—Continued

CROSS SECTION ANALYSES
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[% , percent; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter]

Sample date-time	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25°C (00095)	Temperature, water, °C (00010)	Depth to bottom at sample location, ft (81903)	Sampling depth, ft (00003)	Location in cross section, distance from left bank looking downstream, ft (00009)
03-26-2013 1114	747	13.1	140	7.9	1,090	17.7	--	0.50	3.00
03-26-2013 1115	747	13.4	143	7.9	1,090	17.7	--	1.50	3.00
03-26-2013 1116	747	14.1	151	7.9	1,090	17.7	--	.50	9.00
03-26-2013 1117	747	14.2	152	7.9	1,090	17.7	--	1.50	9.00
03-26-2013 1118	747	14.3	154	7.9	1,090	17.7	--	.50	15.0
03-26-2013 1119	747	14.3	153	7.9	1,090	17.7	--	1.50	15.0
03-26-2013 1120	747	14.4	155	7.9	1,090	17.7	--	.50	21.0
03-26-2013 1121	747	14.4	154	7.9	1,090	17.7	--	1.50	21.0
03-26-2013 1122	747	14.7	157	7.9	1,090	17.7	--	.50	27.0
03-26-2013 1123	747	14.6	157	7.9	1,090	17.7	--	1.50	27.0
05-29-2013 1355	--	--	--	--	1,120	22.8	.45	.20	1.00
05-29-2013 1356	--	--	--	--	1,120	22.6	1.65	1.00	4.00
05-29-2013 1357	--	--	--	--	1,120	22.5	1.65	1.00	6.00
05-29-2013 1358	--	--	--	--	1,120	22.5	1.65	1.00	8.00
05-29-2013 1359	--	--	--	--	1,120	22.4	1.65	1.00	10.0
05-29-2013 1400	--	--	--	--	1,120	22.4	1.65	1.00	12.0
05-29-2013 1401	--	--	--	--	1,120	22.4	1.65	1.00	14.0
05-29-2013 1402	--	--	--	--	1,120	22.4	1.65	1.00	16.0
05-29-2013 1403	--	--	--	--	1,120	22.4	1.65	1.00	19.0
05-29-2013 1404	--	--	--	--	1,120	22.5	1.65	1.00	21.0
05-29-2013 1405	--	--	--	--	1,120	22.5	1.65	1.00	23.0
05-29-2013 1406	--	--	--	--	1,120	22.5	1.65	1.00	25.0
05-29-2013 1407	--	--	--	--	1,120	22.6	1.65	1.00	27.0
05-29-2013 1408	--	--	--	--	1,120	22.7	1.65	1.00	29.0
05-29-2013 1409	--	--	--	--	1,120	22.8	.25	.20	31.0

Note: Instantaneous discharge at mean time of cross-sectional measurements: Mar. 26, 142 ft³/s; May 29, 87 ft³/s.