

Water-Data Report 2011

11174000 San Antonio Creek near Sunol, CA

Alameda Creek Basin

LOCATION.--Lat 37°34'39", long 121°51'24" referenced to North American Datum of 1927, Alameda County, CA, Hydrologic Unit 18050004, in Valle de San Jose Grant, on right bank, 0.4 mi upstream from Calaveras Road Bridge, 0.85 mi upstream from mouth, and 2.2 mi southeast of town of Sunol.

DRAINAGE AREA.--37.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1912 to September 1930 (records furnished by Spring Valley Water Company), February 1960 to September 1965, and October 1999 to current year. Monthly discharge only for some periods, published in WSP 1315-B (published as "La Costa Creek near Sunol").

GAGE.--Water-stage recorder and concrete control. Datum of gage is 271.56 ft above NGVD of 1929 (levels by City of San Francisco). Prior to Feb. 8, 1960, at site 0.65 mi upstream at different datum.

REMARKS.--Records good. Flows regulated by Lake San Antonio located 0.6 mi upstream of gage beginning in October 1964. Reservoir filling completion date was February 1965. Flows can be released for emergency flood conditions, but purpose of the reservoir is for water supply. Total storage capacity, 50,500 acre-ft. See schematic diagram of Alameda Creek Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation for years with available instantaneous maximum (1921-30 and 1960-63), 1,970 ft³/s, Jan. 31, 1963, gage height, 7.16 ft.

Maximum discharge for period after regulation, 476 ft³/s, Apr. 5, 2006, gage height, 4.96 ft; no flow for many days most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 23, 1955, 5,180 ft³/s (by slope-area measurement of peak flow).

11174000 San Antonio Creek near Sunol, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.02	0.07	0.13	0.29	0.12	0.32	46	0.18	0.23	0.06	0.03	0.02
2	0.02	0.07	0.12	0.31	0.11	0.29	37	0.18	0.20	0.05	0.03	0.02
3	0.03	0.06	0.11	0.28	0.12	0.28	31	0.17	0.20	0.05	0.03	0.02
4	0.03	0.06	0.11	0.24	0.13	0.26	26	0.17	0.23	0.04	0.03	0.02
5	0.03	0.06	0.14	0.23	0.13	0.25	22	0.16	0.16	0.03	0.03	0.02
6	0.04	0.07	0.13	0.21	0.13	0.28	20	0.16	0.14	0.03	0.03	0.02
7	0.05	0.08	0.11	0.21	0.15	0.26	17	0.15	0.13	0.03	0.04	0.02
8	0.05	0.08	0.17	0.21	0.16	0.24	17	0.16	0.10	0.03	0.04	0.01
9	0.05	0.08	0.23	0.18	0.15	0.23	15	0.16	0.09	0.03	0.04	0.02
10	0.05	0.08	0.17	0.15	0.16	0.22	13	0.15	0.08	0.03	0.04	0.01
11	0.05	0.07	0.15	0.15	0.17	0.19	13	0.13	0.08	0.04	0.04	0.02
12	0.04	0.07	0.15	0.13	0.17	0.17	11	0.13	0.07	0.04	0.04	0.02
13	0.04	0.07	0.15	0.13	0.18	0.17	11	0.13	0.07	0.05	0.03	0.02
14	0.04	0.07	0.16	0.12	0.19	0.17	9.8	0.14	0.07	0.04	0.03	0.02
15	0.04	0.06	0.17	0.11	0.19	0.18	8.6	0.17	0.07	0.04	0.03	0.03
16	0.04	0.05	0.15	0.11	0.29	0.25	4.7	0.17	0.06	0.05	0.03	0.03
17	0.06	0.05	0.19	0.11	0.44	0.20	1.3	0.17	0.06	0.05	0.03	0.03
18	0.07	0.06	0.24	0.11	0.79	0.90	0.36	0.18	0.07	0.05	0.03	0.03
19	0.06	0.06	0.80	0.11	1.1	2.6	0.28	0.18	0.07	0.05	0.03	0.03
20	0.06	0.14	0.35	0.11	0.43	8.1	0.27	0.18	0.07	0.04	0.03	0.02
21	0.06	0.20	0.26	0.11	0.31	2.6	0.26	0.18	0.07	0.04	0.04	0.02
22	0.07	0.12	0.26	0.11	0.28	1.3	0.24	0.20	0.07	0.04	0.04	0.01
23	0.07	0.14	0.21	0.11	0.26	3.4	0.23	0.20	0.06	0.04	0.03	0.01
24	0.11	0.13	0.19	0.11	0.26	43	0.22	0.22	0.07	0.03	0.03	0.01
25	0.09	0.13	0.23	0.11	2.4	206	0.21	0.23	0.07	0.03	0.03	0.01
26	0.09	0.13	0.23	0.11	0.90	219	0.21	0.24	0.07	0.03	0.03	0.02
27	0.08	0.15	0.21	0.11	0.48	181	0.19	0.25	0.07	0.03	0.02	0.03
28	0.08	0.15	0.23	0.11	0.36	132	0.18	0.25	0.13	0.03	0.02	0.03
29	0.08	0.13	1.3	0.12	---	96	0.18	0.25	0.10	0.03	0.02	0.02
30	0.08	0.13	0.38	0.15	---	74	0.18	0.24	0.06	0.03	0.02	0.03
31	0.07	---	0.31	0.13	---	58	---	0.23	---	0.03	0.02	---
Total	1.75	2.82	7.74	4.78	10.56	1,031.86	306.41	5.71	3.02	1.19	0.96	0.62
Mean	0.06	0.09	0.25	0.15	0.38	33.3	10.2	0.18	0.10	0.04	0.03	0.02
Max	0.11	0.20	1.3	0.31	2.4	219	46	0.25	0.23	0.06	0.04	0.03
Min	0.02	0.05	0.11	0.11	0.11	0.17	0.18	0.13	0.06	0.03	0.02	0.01
Ac-ft	3.5	5.6	15	9.5	21	2,050	608	11	6.0	2.4	1.9	1.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1963, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	.14	.55	7.60	29.5	45.9	22.9	10.1	4.31	.91	.10	.043	.17
Max	2.00	5.11	37.7	258	205	74.4	48.6	42.8	5.11	.90	.47	2.84
(WY)	(1963)	(1927)	(1923)	(1916)	(1915)	(1919)	(1963)	(1915)	(1915)	(1915)	(1915)	(1918)
Min	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	(1913)	(1915)	(1924)	(1924)	(1924)	(1924)	(1924)	(1924)	(1918)	(1914)	(1913)	(1912)

11174000 San Antonio Creek near Sunol, CA—Continued**SUMMARY STATISTICS**

Water Years 1912 - 1963			
Annual mean	10.3		
Highest annual mean	36.0	1916	
Lowest annual mean	.000	1924	
Highest daily mean	1,460	Jan 3, 1916	
Lowest daily mean	.00	Jul 26, 1912	
Annual seven-day minimum	.00	Aug 3, 1912	
Maximum peak flow	1,970	Jan 31, 1963	
Maximum peak stage	7.16	Jan 31, 1963	
Annual runoff (ac-ft)	7,510		
10 percent exceeds	17		
50 percent exceeds	.30		
90 percent exceeds	.00		

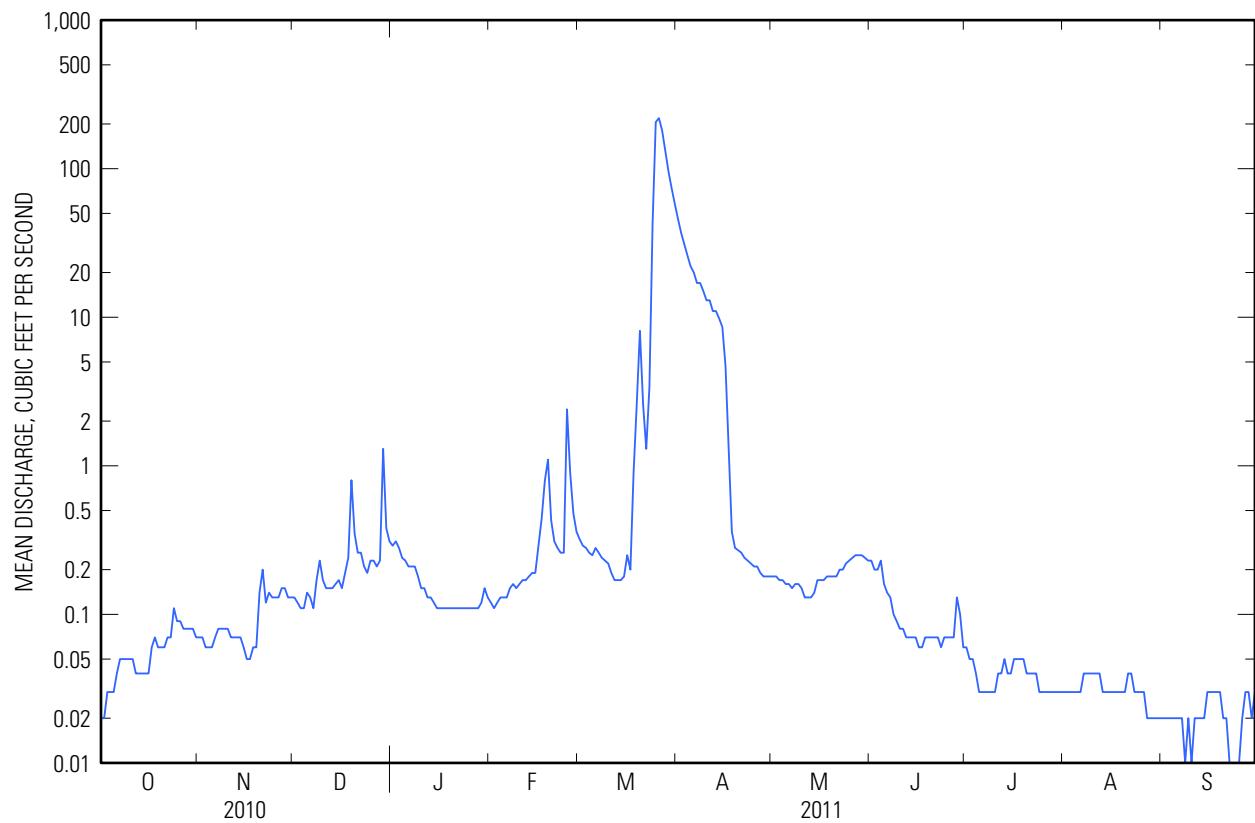
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.04	0.08	0.28	1.46	0.55	3.64	7.96	0.12	0.07	0.03	0.01	0.04
Max	0.07	0.10	1.33	11.9	1.61	33.3	83.7	0.27	0.23	0.11	0.09	0.25
(WY)	(2009)	(2002)	(2003)	(2004)	(2000)	(2011)	(2006)	(2006)	(2006)	(2006)	(2008)	(2003)
Min	0.00	0.02	0.03	0.11	0.16	0.16	0.04	0.00	0.00	0.00	0.00	0.00
(WY)	(2005)	(2000)	(2000)	(2009)	(2002)	(2004)	(2004)	(2004)	(2001)	(2001)	(2000)	(2000)

SUMMARY STATISTICS

	Calendar Year 2010			Water Year 2011			Water Years 2000 - 2011		
Annual total	62.49			1,377.42					
Annual mean	0.17			3.77			1.19		
Highest annual mean							7.58		
Lowest annual mean							0.08		
Highest daily mean	3.8	Mar 3		219	Mar 26		445	Apr 5, 2006	
Lowest daily mean	0.01	Sep 29		0.01	Sep 8		0.00	Oct 1, 1999	
Annual seven-day minimum	0.02	Sep 26		0.01	Sep 20		0.00	Oct 1, 1999	
Maximum peak flow				232	Mar 26		476	Apr 5, 2006	
Maximum peak stage				4.46	Mar 26		4.96	Apr 5, 2006	
Annual runoff (ac-ft)	124			2,730			859		
10 percent exceeds	0.34			0.79			0.32		
50 percent exceeds	0.11			0.12			0.09		
90 percent exceeds	0.03			0.03			0.00		

11174000 San Antonio Creek near Sunol, CA—Continued



11174000 San Antonio Creek near Sunol, CA—Continued**WATER-QUALITY RECORDS**

PERIOD OF DAILY RECORD.--October 2008 to current year.

WATER TEMPERATURE: October 2008 to current year.

INSTRUMENTATION.--Water-quality monitor since Oct. 1, 2008.

REMARKS.--Interruptions in record are due to malfunction of recording and/or sensing equipment.

Water temperature record rated excellent.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 25.1°C, July 3, 2011; minimum recorded, 4.2°C, Feb. 27, 2011.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 25.1°C, July 3; minimum recorded, 4.2°C, Feb. 27.

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median	
October				November				December				January	
1	18.1	16.8	17.1	15.8	12.3	14.0	10.0	6.8	8.4	10.6	8.8	9.9	
2	18.3	16.4	17.0	16.1	12.3	14.1	10.7	7.9	9.6	10.6	9.6	9.9	
3	17.6	16.1	16.7	16.4	12.8	14.4	11.3	10.1	10.9	10.8	8.8	9.5	
4	16.3	15.6	15.8	16.8	13.5	15.0	12.0	10.6	11.4	9.4	7.3	8.4	
5	16.7	14.5	15.6	16.0	14.0	15.3	12.7	11.3	11.9	9.1	6.4	7.7	
6	16.8	14.7	16.0	15.8	14.1	15.0	13.0	11.3	12.0	8.2	5.9	7.3	
7	17.0	14.7	15.8	15.0	13.9	14.6	11.9	10.3	11.2	9.0	7.1	7.7	
8	16.7	13.6	15.4	14.1	12.3	13.3	12.3	10.9	11.5	9.0	7.1	8.2	
9	17.0	13.5	15.4	13.4	10.8	12.4	13.6	12.3	12.7	9.3	6.7	8.3	
10	17.6	14.5	16.3	14.3	12.1	13.1	14.4	12.7	13.8	7.9	5.3	6.8	
11	17.9	15.1	16.9	13.6	11.4	11.9	14.6	13.0	13.7	8.6	7.2	8.2	
12	18.3	16.5	17.4	13.0	9.8	11.4	13.8	12.8	13.2	10.6	8.5	9.0	
13	18.1	14.7	16.7	13.4	11.7	12.3	13.4	12.7	12.9	11.2	8.0	9.5	
14	18.4	15.3	17.2	14.9	12.1	13.7	13.6	12.5	12.9	12.5	10.1	11.1	
15	18.2	15.3	17.2	15.9	14.3	14.9	12.5	10.1	11.5	12.2	9.1	10.3	
16	16.6	14.3	15.5	15.4	13.7	14.5	10.6	8.9	9.9	11.6	9.3	10.2	
17	15.1	14.3	14.7	14.3	11.8	13.0	11.5	10.4	10.8	12.1	9.9	10.3	
18	16.4	14.4	15.1	13.1	10.8	12.2	13.0	11.5	12.8	11.9	9.6	10.0	
19	16.7	13.2	14.8	13.4	12.1	12.8	12.9	11.0	12.5	11.5	8.8	9.9	
20	16.4	14.0	15.0	12.1	10.7	11.4	11.4	10.0	10.8	11.6	8.8	9.7	
21	16.1	14.1	14.9	11.2	9.6	10.7	11.4	9.0	10.4	11.3	8.0	9.4	
22	15.9	14.1	15.0	12.8	10.9	11.8	12.6	11.2	11.9	11.8	8.3	10.2	
23	15.3	13.8	14.9	12.3	9.8	11.8	11.8	9.8	10.8	11.8	9.2	10.1	
24	17.0	15.3	16.2	9.8	7.8	8.8	11.1	8.6	9.8	11.1	7.8	9.3	
25	16.1	14.5	15.3	9.6	7.0	8.1	11.1	10.1	10.3	11.4	8.0	9.9	
26	15.3	12.8	13.9	9.7	6.8	8.3	11.1	9.1	10.2	11.6	8.8	9.9	
27	14.9	11.6	13.0	11.1	8.9	10.0	11.5	9.5	10.6	11.4	7.8	9.2	
28	15.2	11.8	13.5	9.8	7.7	8.8	11.3	9.9	10.6	10.6	7.5	9.0	
29	15.3	13.2	14.4	9.2	6.8	7.7	10.9	7.8	10.1	11.8	9.6	10.9	
30	15.4	13.9	14.7	9.6	6.6	8.2	8.6	6.1	7.6	12.0	10.5	11.0	
31	15.5	12.8	14.2	---	---	---	9.1	6.9	8.2	11.5	8.7	10.0	
Max	18.4	16.8	17.4	16.8	14.3	15.3	14.6	13.0	13.8	12.5	10.5	11.1	
Min	14.9	11.6	13.0	9.2	6.6	7.7	8.6	6.1	7.6	7.9	5.3	6.8	

11174000 San Antonio Creek near Sunol, CA—Continued
**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

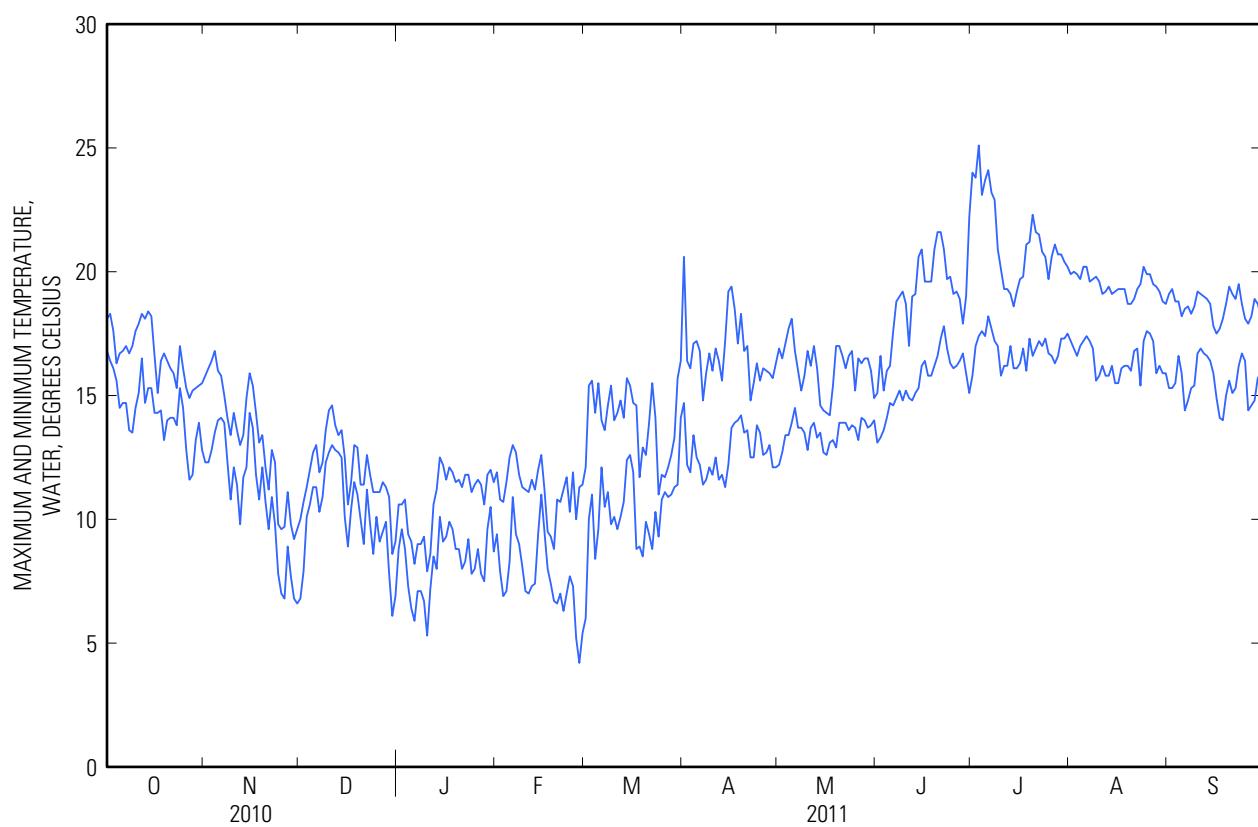
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median	
February				March				April				May	
1	11.9	9.4	10.0	12.1	6.0	10.0	20.6	14.7	16.8	16.9	12.2	14.3	
2	10.8	7.9	8.9	15.4	10.0	12.6	16.4	12.2	13.2	16.5	12.7	14.7	
3	10.7	6.9	8.6	15.6	11.0	12.4	16.1	11.9	14.2	17.1	13.4	14.9	
4	11.5	7.1	9.2	14.3	8.4	11.9	17.1	13.4	15.5	17.7	13.4	15.4	
5	12.5	8.3	10.6	15.5	9.6	13.1	17.2	12.5	14.8	18.1	13.9	15.8	
6	13.0	10.9	11.6	14.0	12.1	12.9	16.8	12.2	13.3	16.8	14.5	15.7	
7	12.7	9.4	11.0	13.6	10.5	11.9	14.8	11.4	12.0	16.0	13.7	14.8	
8	11.8	9.0	9.9	14.6	11.1	12.0	15.9	11.6	13.1	15.2	13.7	14.4	
9	11.3	8.1	9.1	15.4	9.8	12.3	16.7	12.1	12.9	15.8	13.5	14.4	
10	11.2	7.1	8.8	14.0	10.1	11.9	16.0	11.8	12.8	16.8	12.8	14.6	
11	11.1	7.0	9.1	14.3	9.6	11.5	16.9	12.5	13.1	16.2	13.7	14.8	
12	11.6	7.3	9.2	14.8	10.1	11.6	16.4	11.6	12.6	17.0	13.9	15.3	
13	11.2	7.4	9.4	14.1	10.7	12.5	15.6	11.8	12.4	16.1	13.3	14.9	
14	12.0	9.4	11.3	15.7	12.4	13.8	17.2	11.3	13.4	14.6	13.5	14.1	
15	12.6	11.0	11.3	15.4	12.6	13.8	19.2	12.2	15.0	14.4	12.7	13.7	
16	11.2	9.5	10.4	14.7	11.9	13.2	19.4	13.7	16.1	14.3	12.6	13.6	
17	9.5	8.0	8.9	14.6	8.8	11.6	18.5	13.9	15.4	14.2	13.1	13.6	
18	9.3	7.4	8.0	11.7	8.9	10.7	17.1	14.0	15.3	15.4	13.2	13.8	
19	8.8	6.7	8.0	12.9	8.5	9.5	18.3	14.2	15.4	17.0	12.9	14.5	
20	10.8	6.6	8.9	12.6	9.9	10.8	16.8	13.5	14.9	17.0	13.9	15.2	
21	10.7	7.0	8.6	13.9	9.4	10.7	17.0	13.6	14.5	16.6	13.9	15.3	
22	11.2	6.3	9.4	15.5	8.8	11.9	14.8	12.5	13.8	16.1	13.9	14.9	
23	11.7	7.0	9.3	14.1	10.3	11.4	15.5	12.5	13.9	16.6	13.6	14.9	
24	10.3	7.7	9.4	11.0	9.3	10.2	16.3	13.8	14.6	16.8	13.8	15.2	
25	11.9	7.3	9.2	11.8	10.8	11.3	15.6	13.5	14.3	15.2	13.7	14.4	
26	10.0	5.2	6.9	11.7	11.1	11.2	16.1	12.6	14.2	16.5	13.2	14.8	
27	11.3	4.2	8.1	12.1	10.9	11.4	16.0	12.7	14.2	16.3	14.1	14.9	
28	11.4	5.4	8.6	12.6	11.0	11.5	15.9	13.0	14.3	16.5	14.0	15.1	
29	---	---	---	13.3	11.3	11.8	15.7	12.1	13.8	16.5	13.7	15.1	
30	---	---	---	15.7	11.4	13.8	16.3	12.1	14.0	16.0	13.8	14.7	
31	---	---	---	16.4	14.1	15.2	---	---	---	14.9	14.0	14.4	
Max	13.0	11.0	11.6	16.4	14.1	15.2	20.6	14.7	16.8	18.1	14.5	15.8	
Min	8.8	4.2	6.9	11.0	6.0	9.5	14.8	11.3	12.0	14.2	12.2	13.6	

11174000 San Antonio Creek near Sunol, CA—Continued
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median	
June				July				August				September	
1	15.1	13.1	14.0	24.0	15.8	19.6	19.9	17.2	18.5	19.1	15.3	17.2	
2	16.6	13.3	14.8	23.8	17.0	20.0	20.0	16.9	18.7	19.3	15.3	17.8	
3	15.2	13.6	14.7	25.1	17.4	21.1	19.9	16.6	18.2	18.8	15.5	17.4	
4	16.0	14.1	14.7	23.1	17.6	20.3	19.7	17.0	18.0	18.8	16.6	17.1	
5	16.2	14.7	15.3	23.7	17.4	20.6	20.2	17.2	19.2	18.2	15.9	16.7	
6	17.6	14.6	15.3	24.1	18.2	20.7	20.2	17.4	18.5	18.5	14.4	16.8	
7	18.8	14.9	16.0	23.2	17.7	20.4	19.6	17.2	17.7	18.6	14.8	17.1	
8	19.0	15.2	16.4	22.9	17.2	20.2	19.7	16.9	18.0	18.3	15.3	16.8	
9	19.2	14.8	16.4	20.9	17.0	18.5	19.8	15.6	18.3	18.6	15.4	17.0	
10	18.7	15.2	16.6	20.1	15.8	18.0	19.6	15.8	18.0	19.2	16.7	18.2	
11	17.0	14.9	16.0	19.3	16.2	17.7	19.1	16.2	17.4	19.1	16.9	17.9	
12	19.0	14.8	16.5	19.3	16.2	18.0	19.2	15.8	17.8	19.0	16.7	17.7	
13	19.1	15.1	16.8	19.1	17.0	17.4	19.4	15.8	17.8	18.9	16.6	17.8	
14	20.6	15.3	17.4	18.6	16.1	17.2	19.1	16.2	17.8	18.7	16.4	17.5	
15	20.9	16.2	18.4	19.2	16.1	17.2	19.2	15.5	18.0	17.8	15.9	16.4	
16	19.6	16.4	17.9	19.7	16.3	17.1	19.3	15.5	18.0	17.5	14.9	15.9	
17	19.6	15.8	17.3	19.8	16.9	17.7	19.3	16.1	17.8	17.7	14.1	15.8	
18	19.6	15.8	17.3	21.1	16.0	18.7	19.3	16.2	17.4	18.1	14.0	16.3	
19	20.9	16.2	18.4	21.2	17.3	19.3	18.7	16.2	16.7	18.7	15.0	17.1	
20	21.6	16.6	19.1	22.3	16.6	19.9	18.7	16.0	17.3	19.4	15.6	17.6	
21	21.6	17.3	19.7	21.6	16.9	19.7	18.9	16.8	17.3	19.1	15.1	17.4	
22	20.9	17.8	19.5	21.5	17.2	19.5	19.3	16.9	17.9	18.9	15.3	17.5	
23	19.7	16.9	18.4	20.8	17.0	18.8	19.5	15.4	18.1	19.5	16.2	18.1	
24	19.8	16.3	17.9	20.6	17.3	18.6	20.2	17.2	19.0	18.7	16.7	17.8	
25	19.1	16.1	17.6	19.7	16.7	18.0	19.9	17.6	18.7	18.1	16.4	17.1	
26	19.2	16.2	17.8	20.6	16.6	18.9	19.9	17.5	18.5	17.9	14.4	16.4	
27	18.9	16.4	18.0	21.1	16.3	19.4	19.5	17.2	18.2	18.2	14.6	16.4	
28	17.9	16.7	17.1	20.7	16.6	19.2	19.4	15.9	18.0	18.9	14.8	17.0	
29	19.0	15.9	16.6	20.7	17.3	18.8	19.2	16.2	17.5	18.7	15.7	17.4	
30	22.2	15.1	18.0	20.4	17.3	18.5	18.8	15.9	17.2	18.2	15.9	17.0	
31	---	---	---	20.2	17.5	18.6	18.7	15.9	17.0	---	---	---	
Max	22.2	17.8	19.7	25.1	18.2	21.1	20.2	17.6	19.2	19.5	16.9	18.2	
Min	15.1	13.1	14.0	18.6	15.8	17.1	18.7	15.4	16.7	17.5	14.0	15.8	

	Max	Min	Median
Year Maximum	25.1	18.2	21.1
Year Minimum	7.9	4.2	6.8

11174000 San Antonio Creek near Sunol, CA—Continued



11174000 San Antonio Creek near Sunol, CA—Continued

CROSS SECTION ANALYSES
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
[ft, feet; °C, degrees Celsius]

Sample date-time	Temperature, water, °C (00010)	Depth to bottom at sample location, ft (81903)	Sampling depth, ft (00003)	Stream width, ft (00004)	Location in cross section, distance from left bank looking downstream, ft (00009)
09-16-2011 1219	16.6	.68	.14	7.05	.40
09-16-2011 1221	16.6	.68	.54	7.05	.40
09-16-2011 1223	16.7	.72	.14	7.05	1.10
09-16-2011 1224	16.7	.72	.58	7.05	1.10
09-16-2011 1226	16.7	.70	.14	7.05	1.80
09-16-2011 1227	16.7	.70	.56	7.05	1.80
09-16-2011 1229	16.7	.59	.12	7.05	2.50
09-16-2011 1230	16.7	.59	.47	7.05	2.50
09-16-2011 1232	16.7	.58	.12	7.05	3.20
09-16-2011 1233	16.7	.58	.46	7.05	3.20
09-16-2011 1234	16.8	.48	.10	7.05	3.90
09-16-2011 1235	16.8	.48	.38	7.05	3.90
09-16-2011 1237	16.8	.38	.23	7.05	4.60
09-16-2011 1238	16.9	.29	.17	7.05	5.30
09-16-2011 1240	16.9	.23	.14	7.05	6.00
09-16-2011 1241	16.9	.13	.08	7.05	6.70

Note: Instantaneous discharge at mean time of cross-sectional measurements:
Sept. 16, 0.03 ft³/s.