



Water-Data Report 2009

## 11046300 San Mateo Creek near San Clemente, CA

San Mateo Creek Basin

LOCATION.--Lat 33°28'15", long 117°28'20" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.23, T.8 S., R.6 W., San Diego County, CA, Hydrologic Unit 18070301, on Camp Joseph H. Pendleton Naval Reservation, on left bank, 0.4 mi downstream from mouth of Devil Canyon, and 8.6 mi northeast of San Clemente.

DRAINAGE AREA.--80.8 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1952 to September 1967, October 1993 to current year. Discharge records for October 1967 to September 1977 and October 1989 to September 1993 available in files of U.S. Marine Corps at Camp Pendleton.

REVISED RECORDS.--WSP 1928: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 405 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No regulation or diversion upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft<sup>3</sup>/s, Feb. 23, 1998, gage height, 12.83 ft, on basis of slope-area measurement of peak flow; no flow for several days in most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 9,240 ft<sup>3</sup>/s, gage height, 11.12 ft, Jan. 25, 1969.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft<sup>3</sup>/s and (or) maximum (\*), from rating curve extended above 167 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow:

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 18	0630	176	4.01
Feb 9	2330	179	4.03
Feb 16	2315	*529	*5.08

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	2.1	0.86	9.7	2.1	0.43	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	1.8	0.89	8.8	2.1	0.41	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	1.7	0.83	8.2	2.4	0.41	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	1.5	0.80	7.6	2.3	0.39	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	1.2	0.96	7.2	1.9	0.36	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	1.1	6.2	6.8	1.6	0.33	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	1.0	19	6.7	1.4	0.29	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	1.00	38	6.5	1.5	0.27	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.97	67	6.2	1.5	0.25	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.88	111	5.9	1.6	0.23	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.79	42	5.6	1.6	0.21	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.76	26	5.5	1.5	0.18	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.72	20	5.2	1.3	0.17	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.72	22	4.9	1.2	0.15	0.00	0.00	0.00	0.00
15	0.00	0.00	6.1	0.77	23	4.9	1.1	0.12	0.00	0.00	0.00	0.00
16	0.00	0.00	5.0	0.77	84	4.6	1.0	0.10	0.00	0.00	0.00	0.00
17	0.00	0.00	3.6	0.77	222	4.5	0.96	0.08	0.00	0.00	0.00	0.00
18	0.00	0.00	92	0.76	70	4.4	0.85	0.06	0.00	0.00	0.00	0.00
19	0.00	0.00	26	0.77	43	4.1	0.74	0.04	0.00	0.00	0.00	0.00
20	0.00	0.00	10	0.77	34	4.1	0.62	0.03	0.00	0.00	0.00	0.00
21	0.00	0.00	4.9	0.90	27	3.9	0.52	0.01	0.00	0.00	0.00	0.00
22	0.00	0.00	3.5	0.91	22	4.3	0.46	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	3.5	0.98	19	4.6	0.47	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	2.2	1.1	17	3.6	0.51	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	2.3	1.1	15	3.2	0.56	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	5.7	1.1	13	3.1	0.52	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	8.2	1.00	12	3.0	0.49	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	5.7	0.91	11	2.6	0.49	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	4.1	0.90	---	2.5	0.48	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	3.1	0.87	---	2.4	0.45	0.00	0.00	0.00	0.00	0.00
31	0.00	---	2.5	0.83	---	2.3	---	0.00	---	0.00	0.00	---
<b>Total</b>	0.00	0.00	188.40	31.45	967.54	156.9	34.22	4.52	0.00	0.00	0.00	0.00
<b>Mean</b>	0.00	0.00	6.08	1.01	34.6	5.06	1.14	0.15	0.00	0.00	0.00	0.00
<b>Max</b>	0.00	0.00	92	2.1	222	9.7	2.4	0.43	0.00	0.00	0.00	0.00
<b>Min</b>	0.00	0.00	0.00	0.72	0.80	2.3	0.45	0.00	0.00	0.00	0.00	0.00
<b>Ac-ft</b>	0.00	0.00	374	62	1,920	311	68	9.0	0.00	0.00	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2009, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	0.77	2.62	8.72	27.0	46.4	33.1	20.3	5.24	1.82	0.51	0.12	0.06
<b>Max</b>	20.6	69.4	164	405	488	371	270	53.9	21.2	6.94	2.09	1.21
<b>(WY)</b>	(2005)	(1966)	(1967)	(2005)	(1998)	(1995)	(1958)	(1998)	(1998)	(1998)	(1998)	(1998)
<b>Min</b>	0.00	0.00	0.00	0.00	0.09	0.04	0.01	0.00	0.00	0.00	0.00	0.00
<b>(WY)</b>	(1953)	(1954)	(1954)	(1963)	(1961)	(1961)	(1961)	(1961)	(1960)	(1953)	(1953)	(1953)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1953 - 2009	
<b>Annual total</b>	2,049.61		1,383.03			
<b>Annual mean</b>	5.60		3.79		12.0	
<b>Highest annual mean</b>					90.3	2005
<b>Lowest annual mean</b>					0.02	1961
<b>Highest daily mean</b>	427	Jan 28	222	Feb 17	3,740	Jan 11, 2005
<b>Lowest daily mean</b>	0.00	Jun 14	0.00	Oct 1	0.00	Oct 1, 1952
<b>Annual seven-day minimum</b>	0.00	Jun 14	0.00	Oct 1	0.00	Oct 1, 1952
<b>Maximum peak flow</b>			529	Feb 16	12,500	Feb 23, 1998
<b>Maximum peak stage</b>			5.08	Feb 16	12.83	Feb 23, 1998
<b>Annual runoff (ac-ft)</b>	4,070		2,740		8,720	
<b>10 percent exceeds</b>	8.0		6.1		12	
<b>50 percent exceeds</b>	0.00		0.00		0.20	
<b>90 percent exceeds</b>	0.00		0.00		0.00	

