11046360 Cristianitos Creek above San Mateo Creek, near San Clemente, CA

San Mateo Creek Basin

LOCATION.--Lat 33°25′35″, long 117°34′10″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.36, T.8 S., R.7 W., San Diego County, CA, Hydrologic Unit 18070301, on Camp Joseph H. Pendleton Naval Reservation, on left bank, at San Mateo Creek Road crossing, 0.5 mi upstream from confluence with San Mateo Creek, and 2.3 mi east of San Clemente.

DRAINAGE AREA.--31.6 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1993 to current year.

REVISED RECORDS.--WDR CA-2005: 2003 (peaks above base).

GAGE.--Water-stage recorder, crest-stage gage, and culvert control. Elevation of gage is 90 ft above NGVD of 1929, from topographic map. October 1993 to Feb. 23, 1998, two water-stage recorders (one on each of two main channels) at same site at different datums. Gage destroyed by flood of Feb. 23, 1998, and was out of operation until Sept. 30, 1999, when it was relocated at present site.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversion upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,800 ft^3/s, estimated, Feb. 23, 1998, gage height unknown, on basis of drainage area relation with the peak on San Mateo Creek near San Clemente (station 11046300) and slope-area measurement of peak flow; maximum observed gage height, 12.01 ft, Jan. 11, 2005; no flow most of each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 16, 1952, reached a discharge of 1,800 ft^3/s, gage height, 8.86 ft, datum then in use, at site 1.8 mi upstream (station 11046350), on basis of slope-area measurement.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and (or) maximum (*), from rating curve extended above 162 ft^3/s:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 5	0530	206	5.18
Feb 22	0845	*233	*5.26

11046360 Cristianitos Creek above San Mateo Creek, near San Clemente, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

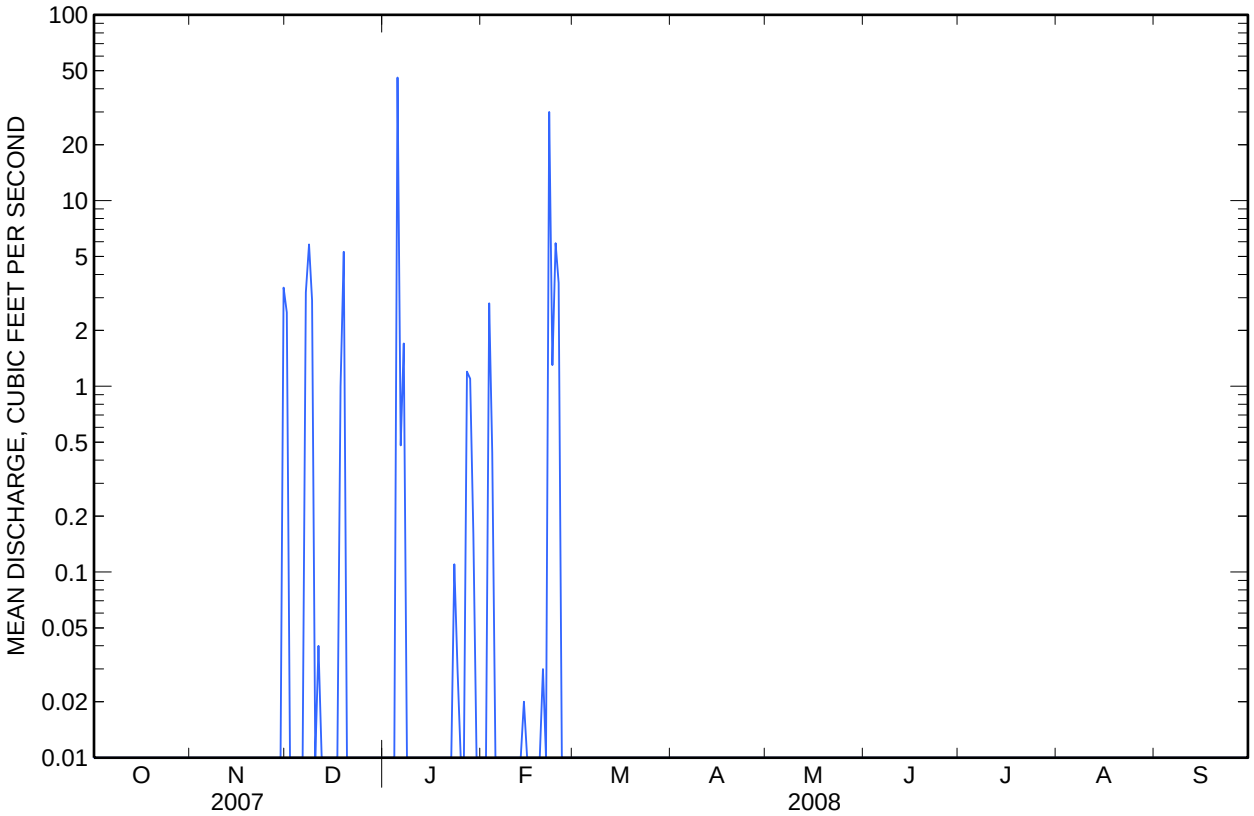
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	46	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00
7	0.00	0.00	3.2	1.7	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00
8	0.00	0.00	5.8	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00
9	0.00	0.00	2.9	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	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	0.02	0.00	0.00	0.00	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	0.00	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	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	e1.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	e5.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.01	0.00	0.03	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	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.11	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.03	5.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	3.4	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	---
Total	0.00	3.40	20.75	50.78	44.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean	0.00	0.11	0.67	1.64	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	3.4	5.8	46	30	0.00	0.00	0.00	0.00	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
Ac-ft	0.00	6.7	41	101	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.05	0.07	0.35	7.79	24.5	12.3	3.17	0.76	0.17	0.01	0.00	0.00
Max	0.67	0.51	1.58	70.8	249	128	31.2	7.36	1.92	0.08	0.00	0.00
(WY)	(2005)	(1997)	(1997)	(2005)	(1998)	(1995)	(1998)	(1998)	(1998)	(1997)	(1994)	(1994)
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
(WY)	(1994)	(1994)	(1994)	(1994)	(1999)	(1999)	(1994)	(1994)	(1994)	(1994)	(1994)	(1994)

11046360 Cristianitos Creek above San Mateo Creek, near San Clemente, CA—Continued

SUMMARY STATISTICS

[e, estimated]

	Calendar Year 2007		Water Year 2008		Water Years 1994 - 2008	
Annual total	24.45		119.02			
Annual mean	0.07		0.33		3.98	
Highest annual mean					25.2	1998
Lowest annual mean					0.00	1999
Highest daily mean	5.8	Dec 8	46	Jan 5	1,400	Feb 24, 1998
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1993
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1993
Maximum peak flow			233	Feb 22	[e]5,800	Feb 23, 1998
Maximum peak stage			5.26	Feb 22	12.01	Jan 11, 2005
Annual runoff (ac-ft)	48		236		2,880	
10 percent exceeds	0.00		0.00		0.74	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00