



Water-Data Report 2013

11042631 Pechanga Creek near Temecula, CA

Santa Margarita River Basin

LOCATION.--Lat 33°27'51", long 117°07'26" referenced to North American Datum of 1983, Riverside County, CA, Hydrologic Unit 18070302, in Temecula Grant, on right bank, 100 ft upstream of the Metropolitan Water District pipe crossing, 0.4 mi upstream of the Rainbow Canyon Road/Old Highway 395 Bridge, 0.8 mi upstream from Temecula Creek, and 2.5 mi southeast of Temecula.

DRAINAGE AREA.--13.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1987 to current year. Discharge measurements only, October 1991 to September 1992.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,040 ft above NGVD of 1929, from topographic map. Prior to Sept. 6, 2006, at site 0.4 mi downstream at different datum.

REMARKS.--No flow for the entire 2013 Water Year. No regulation or diversion upstream from station. Discharge measurements shown to aid in the understanding of flows during periods of missing record. See schematic diagram of Santa Margarita River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,120 ft³/s, Jan. 16, 1993, gage height, 8.12 ft, from rating curve extended above 400 ft³/s on basis of step-backwater analysis at site and datum in use prior to Sept. 6, 2006; no flow for many days each year.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.03	0.03	0.88	2.96	1.83	1.44	0.22	0.09	0.02	0.01	0.01	0.00
Max	0.72	0.32	17.5	63.4	24.4	16.5	2.63	0.95	0.51	0.23	0.18	0.01
(WY)	(2005)	(2002)	(2011)	(1993)	(1993)	(1995)	(1998)	(1993)	(1993)	(1993)	(1993)	(1993)
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)	(1989)	(1989)	(1990)	(1991)	(1992)	(1989)	(1989)	(1988)	(1988)	(1988)	(1988)	(1988)

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1988 - 2013	
Annual total	0.00		0.00			
Annual mean	0.00		0.00		0.61	
Highest annual mean					8.27 1993	
Lowest annual mean					0.00 1992	
Highest daily mean	0.00	Jan 1	0.00	Oct 1	900	Jan 16, 1993
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1987
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1987
Maximum peak flow					3,120 Jan 16, 1993	
Maximum peak stage					8.12 Jan 16, 1993	
Annual runoff (ac-ft)	0.00		0.00		444	
10 percent exceeds	0.00		0.00		0.00	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00	