



Water-Data Report 2013

11136800 Cuyama River below Buckhorn Canyon, near Santa Maria, CA

Santa Maria River Basin

LOCATION.--Lat 35°01'19", long 120°13'39" referenced to North American Datum of 1927, in SW ¼ sec.14, T.11 N., R.32 W., San Luis Obispo County, CA, Hydrologic Unit 18060007, on downstream side of bridge on State Highway 166, 1.5 mi downstream from Buckhorn Canyon, 10 mi upstream from Twitchell Reservoir, and 13 mi northeast of Santa Maria.

DRAINAGE AREA.--886 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1903 to December 1905 (published as "Santa Maria River near Santa Maria"), October 1959 to current year. Monthly discharge only for October 1903 and July 1904. Yearly estimate for water year 1941 (incomplete), published in WSP 1315-B.

REVISED RECORDS.--WDR CA-71-1: Drainage area. WDR CA-77-1: 1976.

GAGE.--Water-stage recorder. Elevation of gage is 760 ft above NGVD of 1929, from topographic map. Prior to October 1959, nonrecording gage at different site and datum.

REMARKS.--No flow for 2013 Water Year. No regulation upstream from station. Pumping from wells along stream for irrigation of several thousand acres in Upper Cuyama Valley.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,200 ft³/s, Feb. 23, 1998, gage height, 14.76 ft, from rating curve extended above 4,900 ft³/s, on basis of slope-area measurement at gage height 14.76 ft; no flow at times in most years.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.65	2.01	15.4	38.0	95.0	89.5	26.1	7.20	3.80	1.63	0.99	1.33
Max	11.3	23.6	275	467	1,210	974	243	96.9	66.0	26.2	20.8	22.7
(WY)	(1999)	(1966)	(1967)	(1969)	(1998)	(1995)	(1998)	(1998)	(1998)	(1998)	(1998)	(1990)
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)	(1960)	(1960)	(1960)	(1960)	(1964)	(1961)	(1961)	(1961)	(1961)	(1960)	(1960)	(1960)

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1960 - 2013	
Annual total	204.09		0.00			
Annual mean	0.56		0.00		23.1	
Highest annual mean					168 1998	
Lowest annual mean					0.00 2013	
Highest daily mean	20	Apr 16	0.00	Oct 1	10,000	Feb 24, 1998
Lowest daily mean	0.00	Mar 15	0.00	Oct 1	0.00	Oct 1, 1959
Annual seven-day minimum	0.00	May 25	0.00	Oct 1	0.00	Oct 1, 1959
Maximum peak flow					26,200	Feb 23, 1998
Maximum peak stage					14.76	Feb 23, 1998
Annual runoff (ac-ft)	405		0.00		16,730	
10 percent exceeds	1.3		0.00		18	
50 percent exceeds	0.00		0.00		0.39	
90 percent exceeds	0.00		0.00		0.00	

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978 to current year.

CHEMICAL DATA: Water years 1978 to current year.

SEDIMENT DATA: Water years 1999-2002.

REMARKS.--No flow for 2013 Water Year.