



Water-Data Report 2007

11123000 Santa Ynez River below Gibraltar Dam, near Santa Barbara, CA

Santa Ynez River Basin

LOCATION.--Lat 34°31'28", long 119°41'11" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.11, T.5 N., R.27 W., Santa Barbara County, CA, Hydrologic Unit 18060010, in Los Padres National Forest, on left bank, 700 ft downstream from Gibraltar Dam, and 7 mi north of Santa Barbara.

DRAINAGE AREA.--216 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1920 to current year. Monthly discharge only prior to October 1933. Daily records for water years 1934-43 in files of U.S. Geological Survey.

REVISED RECORDS.--WDR CA-86-1: 1934-43.

GAGE.--Two water-stage recorders. Elevation of gage on main channel is 1,227 ft above NGVD of 1929. Supplementary gage and sharp-crested weir on release channel from Gibraltar Dam to river at different datum (station 11122010). See WSP 1735 for history of changes on both gages prior to May 20, 1958.

REMARKS.--Records good. No flow for 2007 Water Year. Flow regulated by Jameson Lake (station 11121000) and Gibraltar Reservoir (station 11122000). City of Santa Barbara diverted 4,580 acre-ft during current year from Gibraltar Reservoir; Montecito Water District diverted 1,090 acre-ft during current year from Jameson Lake. See schematic diagram of Santa Ynez River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s, Jan. 25, 1969, gage height, 25.8 ft, from rating curve extended above 2,100 ft³/s, on basis of computations of flow from gate openings and flow over dam at gage heights 17.5 and 25.8 ft; no flow at times in most years.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.77	5.62	26.5	137	251	238	107	30.6	8.00	3.44	1.93	0.64
Max	32.6	336	607	2,077	3,090	1,712	1,168	441	126	43.6	24.1	13.5
(WY)	(1984)	(1966)	(1967)	(1969)	(1998)	(1983)	(1958)	(1998)	(1998)	(1983)	(1995)	(1998)
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)	(1959)	(1944)	(1938)	(1949)	(1948)	(1948)	(1940)	(1960)	(1960)	(1960)	(1960)

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1934 - 2007	
Annual total	28,742.99		0.00			
Annual mean	78.7		0.00		66.6	
Highest annual mean					437 1969	
Lowest annual mean					0.00 1961	
Highest daily mean	6,390	Apr 4	0.00	Oct 1	26,600	Jan 25, 1969
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Dec 16, 1933
Annual seven-day minimum	0.00	Jul 5	0.00	Oct 1	0.00	Dec 16, 1933
Maximum peak flow			0.00 Oct 1		54,200	Jan 25, 1969
Maximum peak stage					25.80	Jan 25, 1969
Instantaneous low flow					0.00	Dec 16, 1933
Annual runoff (ac-ft)	57,010		0.00		48,220	
10 percent exceeds	138		0.00		80	
50 percent exceeds	7.2		0.00		0.08	
90 percent exceeds	0.00		0.00		0.00	