

11122000 Santa Ynez River above Gibraltar Dam, near Santa Barbara, CA

Santa Ynez River Basin

LOCATION.--Lat 34°31'34", long 119°41'08" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.11, T.5 N., R.27 W., Santa Barbara County, CA, Hydrologic Unit 18060010, in Los Padres National Forest, on upstream face of Gibraltar Dam, and 7 mi north of Santa Barbara.

DRAINAGE AREA.--216 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1920 to current year. November 1903 to November 1918 (fragmentary) at river station at damsite; records not equivalent because records since April 1920 are based on operation of Gibraltar Reservoir, and since December 1930, Jameson Lake. Prior to October 1945, published as "Santa Ynez River near Santa Barbara."

REVISED RECORDS.--WSP 706: 1921-22. WSP 1041: 1944. WSP 1395: Drainage Area. WSP 1635: 1914, 15 (instantaneous maximum discharge). WDR CA-86-1: 1934-43.

GAGE.--Water-stage recorder. Elevation of gage is NGVD of 1929. Supplementary gage and sharp-crested weir on diversion from reservoir at different datum. See WSP 1735 for history of changes on both gages prior to Oct. 1, 1955. Spill and release measured by station 11123000 downstream from dam.

COOPERATION.--Precipitation and evaporation data provided by the City of Santa Barbara.

REMARKS.--Records rated good except for January and February, which are rated fair. Daily values for partial or missing record days are derived from monthly dam operation reports which are in excellent agreement with this record. Records of total inflow represent all water reaching Gibraltar Reservoir, including precipitation on reservoir. Total inflow computed on basis of records of storage, diversion (draft-station 11121900) to city of Santa Barbara, spill and release (station 11123000) to river, evaporation, and seepage. Records of net inflow exclude precipitation on reservoir surface. Monthly evaporation from reservoir surface computed on basis of evaporation from U.S. Weather Bureau Class A land pan. Area and capacity tables based on bathymetric survey made in September 2001 replaced by area-capacity table generated from bathymetric survey of August 2008. Preceding area and capacity tables were based on bathymetric survey made in September 1998 and were used up through Sept. 30, 2001. Reservoir capacity at spillway level, elevation 1,399.82 ft, 5,264 acre-ft (revised). Lowest outlet at elevation 1,333.86 ft. Flow regulated by Jameson Lake (station 11121000) since December 1930. See schematic diagram of Santa Ynez River Basin available from the California Water Science Center.

11122000 Santa Ynez River above Gibraltar Dam, near Santa Barbara, CA—Continued

MONTHLY NET INFLOW, WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[a, Elevation at 0800]

Date	Elevation (ft) ^a	Contents (acre-ft)	Change in contents (acre-ft)	Draft (acre-ft)	Spill and release (acre-ft)	Evaporation and seepage (acre-ft)	Total inflow (acre-ft)	Rain on reservoir (acre-ft)	Net inflow (acre-ft)
Sept. 30	1,377.37	2,650	---	---	---	---	---	---	---
Oct. 31	1,377.03	2,600	-50	0	0	65	15	5	10
Nov. 30	1,376.76	2,560	-40	0	0	44	4	1	3
Dec. 31	1,378.17	2,780	+220	0	0	27	247	55	192
CAL YR 2007	---	---	-540	1,018	0	928	1,406	172	1,234
Jan. 31	1,399.72	5,240	+2,460	0	46,370	38	48,868	461	48,407
Feb. 28	1,399.48	5,190	-50	0	14,030	58	14,038	60	13,978
Mar. 31	1,399.52	5,200	+10	198	5,710	96	6,014	0	6,014
Apr. 30	1,399.88	5,280	+80	404	1,420	123	2,027	3	2,024
May 31	1,399.87	5,280	0	534	352	133	1,019	5	1,014
June 30	1,395.92	4,420	-860	421	630	184	375	0	375
July 31	1,395.34	4,300	-120	0	0	176	56	0	56
Aug. 31	1,394.72	4,170	-130	0	0	179	49	2	47
Sept. 30	1,393.81	3,990	-180	64	0	134	18	0	18
WTR YR 2008			+1,340	1,621	68,512	1,257	72,730	592	72,138