



Water-Data Report 2007

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 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 are based on bathymetric survey made in September 2001. Preceding area and capacity tables were based on bathymetric survey made in September 1998 and were used up through Sept. 30, 2001. Changing of area and capacity tables at the beginning of the 2002 water year results in negative total and net inflows for October 2001. Reservoir capacity at spillway level, elevation 1,399.82 ft, 7,060 acre-ft. 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.

MONTHLY NET INFLOW, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[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	1,388.05	4,540	---	---	---	---	---	---	---
Oct. 31	1,385.40	4,050	-490	428	0	68	6	6	0
Nov. 30	1,382.71	3,560	-490	442	0	51	3	3	0
Dec. 31	1,381.36	3,320	-240	232	0	32	24	24	0
CAL YR 2006	---	---	-450	4,593	57,444	1,112	62,699	579	62,120
Jan. 31	1,380.64	3,200	-120	264	0	29	173	37	+136
Feb. 28	1,381.28	3,310	+110	177	0	31	318	49	+269
Mar. 31	1,381.11	3,280	-30	301	0	67	338	2	+336
Apr. 30	1,381.51	3,350	+70	32	0	82	184	12	+172
May 31	1,379.70	3,040	-310	244	0	114	48	0	48
June 30	1,379.13	2,940	-100	0	0	128	+28	0	+28
July 31	1,378.45	2,830	-110	0	0	133	+23	0	+23
Aug. 31	1,377.85	2,730	-100	0	0	117	+17	0	+17
Sept. 30	1,377.37	2,650	-80	0	0	91	+11	11	0
WTR YR 2007			-1,890	2,120	0	943	1,173	144	1,029