



Water-Data Report 2013

11121000 Santa Ynez River at Jameson Lake, near Montecito, CA

Santa Ynez River Basin

LOCATION.--Lat 34°29'32", long 119°30'25" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.28, T.5 N., R.25 W., Santa Barbara County, CA, Hydrologic Unit 18060010, on upstream face of Juncal Dam, 6.5 mi north of Carpinteria, and 8 mi northeast of Montecito.

DRAINAGE AREA.--13.9 mi², excludes area of Alder Creek.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1930 to current year. Prior to October 1938, published as "at Juncal Reservoir."

GAGE.--Two water-stage recorders. Elevation of lake gage is 2,021.6 ft, U.S. Bureau of Reclamation Datum, or 2,000 ft above NGVD of 1929. Supplementary gage and sharp-crested weir on outlet conduit of lake release, at different datum.

COOPERATION.--Precipitation and evaporation records provided by Montecito Water District.

REMARKS.--Records of total inflow represent all water reaching Jameson Lake, including precipitation on the lake. Total inflow computed on basis of records of storage, diversion (draft) to city of Montecito, spill and release (station 11121010) to river, evaporation, and seepage. Records of net inflow exclude precipitation on lake surface. Monthly evaporation from lake surface computed on basis of evaporation from U.S. Weather Bureau Class A land pan. Area and capacity tables are based on bathymetric survey completed on Sept. 24, 2013. Lake capacity at spillway level, elevation 2,223.82 ft, 5,121 acre-ft based on bathymetric survey of Sept. 24, 2013. There is no regulation or diversion upstream from station. At times flow of Alder Creek, which enters Santa Ynez River 2 mi downstream from Juncal Dam, is diverted at elevation 2,250 ft through a tunnel to Jameson Lake and is included in these records. See schematic diagram of Santa Ynez River Basin available from the California Water Science Center.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--82 years (since water year 1932), spill and release, 9.01 ft³/s, 6,530 acre-ft/yr.

MONTHLY NET INFLOW
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
 [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	2202.40	2820	---	---	---	---	---	---	---
Oct. 31	2200.68	2680	-140	128	0	12	0	0	0
Nov. 30	2199.54	2590	-90	107	0	4	21	1	20
Dec. 31	2198.88	2540	-50	76	0	0	26	2	24
CAL YR 2012	---	---	-1,600	1,685		270	355	106	249
Jan. 31	2198.10	2480	-60	62	0	3	5	1	4
Feb. 28	2197.45	2420	-60	47	0	13	0	0	0
Mar. 31	2196.88	2380	-40	44	0	15	19	0	19
Apr. 30	2196.15	2320	-60	43	0	21	4	0	4
May 31	2195.23	2250	-70	58	0	28	16	0	16
June 30	2193.54	2120	-130	103	0	43	16	0	16
July 31	2190.82	1930	-190	161	0	38	9	0	9
Aug. 31	2188.42	1760	-170	131	0	39	0	0	0
Sept. 30	2186.52	1640	-120	92	0	28	0	0	0
WTR YR 2013			-1,180	1,052	0	244	116	4	112

NOTE.—For months when inflow to the lake was small and other quantities were large, preliminary computations may indicate negative net inflow. This arises primarily from the difficulty of computing net inflow as the residual of several large quantities, which are not conducive to precise measurement. When this occurs, evaporation and seepage is adjusted to produce non-negative inflows.