

11128300 Alisal Reservoir near Solvang, CA

Santa Ynez River Basin

LOCATION.--Lat 34°32'56", long 120°07'45" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.4, T.5 N., R.31 W., Santa Barbara County, CA, Hydrologic Unit 18060010, in cove on right bank, 0.4 mi upstream from reservoir spillway, and 3 mi south of Solvang.

DRAINAGE AREA.--7.83 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1971 to current year. Prior to October 1985, only month end elevations and contents published.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Lake is formed by earth-fill dam. Storage began Dec. 19, 1970. Usable capacity, 2,260 acre-ft, between bottom of outlet gate at elevation 555.70 ft, and crest of spillway at elevation 599.88 ft. Dead storage, 110 acre-ft. Inflow must total 150 acre-ft during any one month between November and June in order to store flows for that water year. Records, including extremes, represent total contents at 2400 hours. See schematic diagram of Santa Ynez River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,800 acre ft, Mar. 5, 2001, elevation, 604.57 ft, minimum, 748 acre-ft, Nov. 8-10, 1972, elevation, 577.15 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,840 acre-ft, Feb. 19, 23, Mar. 2, Mar. 6 to Apr.1, maximum elevation, 593.81 ft, Mar. 20; minimum contents, 1,420 acre-ft, Sept. 28-30, minimum elevation, 588.46 ft, Sept. 30.

**Capacity table (elevation in feet, and contents, in acre-feet)
(Based on data provided by Santa Barbara County Flood Control District in 1971)**

Elevation	Contents	Elevation	Contents
590	1,540	600	2,380
595	1,940	605	2,840

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,810	1,770	1,770	e1,790	1,820	1,830	1,840	1,780	1,730	1,620	1,530	1,470
2	1,800	1,770	1,780	1,790	1,820	1,840	e1,830	1,780	1,730	1,610	1,530	1,470
3	1,800	1,770	1,780	1,790	1,820	1,830	e1,830	1,780	1,730	1,600	1,530	1,460
4	1,800	1,770	1,770	1,790	1,820	1,830	e1,830	1,780	1,730	1,600	1,530	1,460
5	1,800	1,760	1,770	1,790	1,830	1,830	1,830	1,780	1,730	1,590	1,530	1,460
6	1,800	1,760	1,770	1,790	1,830	1,840	1,830	1,770	1,720	1,590	1,520	1,460
7	1,790	1,760	1,770	1,790	1,830	1,840	1,830	1,770	1,720	1,590	1,520	1,460
8	1,790	1,760	1,770	1,790	1,830	1,840	1,830	1,770	1,720	1,590	1,520	1,460
9	1,790	1,760	1,770	1,790	1,830	1,840	1,830	1,770	1,710	1,590	1,520	1,460
10	1,790	1,760	1,770	1,790	1,830	1,840	1,820	1,770	1,710	1,580	1,520	1,450
11	1,790	1,760	1,770	1,790	1,830	1,840	1,820	1,770	1,710	1,580	1,510	1,450
12	1,780	1,760	1,770	1,790	1,830	1,840	1,820	1,770	1,710	1,580	1,510	1,450
13	1,780	1,750	1,770	1,790	1,830	1,840	1,820	1,770	1,700	1,580	1,510	1,450
14	1,780	1,750	1,770	1,790	1,830	1,840	1,820	1,760	1,700	1,580	1,510	1,450
15	1,780	1,750	1,770	1,790	1,830	1,840	1,820	1,760	1,700	1,570	1,500	1,450
16	1,780	1,750	1,770	1,790	1,830	1,840	1,810	1,760	1,700	1,570	1,500	1,450
17	1,780	1,760	1,770	1,790	1,830	1,840	1,810	1,760	1,690	1,570	1,500	1,440
18	1,780	1,760	1,770	1,790	1,830	1,840	1,810	1,750	1,690	1,570	1,500	1,440
19	1,780	1,760	1,770	1,790	1,840	1,840	1,810	1,750	1,690	1,560	1,500	1,440
20	1,780	1,760	1,770	1,790	1,830	1,840	1,810	1,750	1,680	1,560	1,490	1,440
21	1,780	1,760	1,770	1,790	1,830	1,840	1,810	1,750	1,670	1,560	1,490	1,440
22	1,780	1,760	1,770	1,790	1,830	1,840	1,800	1,750	1,670	1,560	1,490	1,440
23	1,780	1,760	1,780	1,790	1,840	1,840	1,800	1,750	1,660	1,560	1,480	1,430
24	1,780	1,760	1,780	1,800	1,830	1,840	1,800	1,740	1,660	1,550	1,480	1,430
25	1,780	1,760	1,780	1,810	1,830	1,840	1,790	1,740	1,650	1,550	1,480	1,430
26	1,770	1,760	1,780	1,810	1,830	1,840	1,790	1,740	1,650	1,550	1,480	1,430
27	1,770	1,760	1,780	1,810	1,830	1,840	1,790	1,740	1,640	1,550	1,480	1,430
28	1,770	1,760	1,780	1,820	1,830	1,840	1,790	1,740	1,630	1,540	1,480	1,420
29	1,770	1,770	1,790	1,820	---	1,840	1,790	1,740	1,630	1,540	1,470	1,420
30	1,770	1,770	1,790	1,820	---	1,840	1,780	1,730	1,620	1,540	1,470	1,420
31	1,770	---	e1,790	1,820	---	1,840	---	1,730	---	1,540	1,470	---
Max	1,810	1,770	1,790	1,820	1,840	1,840	1,840	1,780	1,730	1,620	1,530	1,470
Min	1,770	1,750	1,770	1,790	1,820	1,830	1,780	1,730	1,620	1,540	1,470	1,420
Elevation, in feet, at end of month	592.87	592.89	593.08	593.51	593.67	593.70	593.05	592.42	591.02	589.95	589.13	588.46
Change in contents, in acre-feet	-40	0	e20	e30	10	10	-60	-50	-110	-80	-60	-50

	Calendar Year 2012	Water Year 2013
Max	2,260	1,840
Min	1,750	1,420
Change in contents, in acre-feet	-350	-390

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