Water-Data Report 2012

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 mi^2.

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, 2,260 acre-ft, Apr. 21 to May 10, maximum elevation, 598.70 ft, Apr. 28; minimum contents, 1,810 acre-ft, Sept. 27-30, minimum elevation, 593.36 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

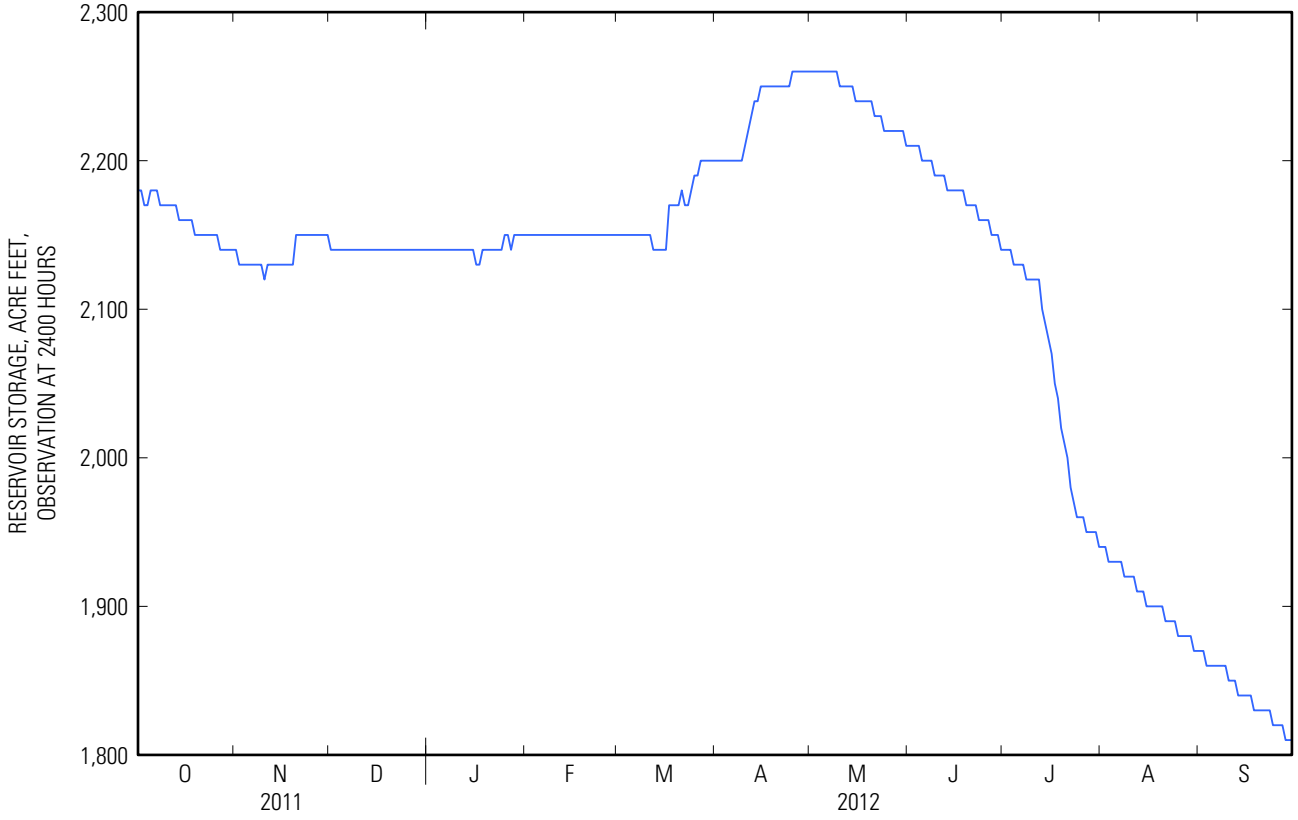
Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 11128300, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/11128300.2012.pdf

11128300 Alisal Reservoir near Solvang, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,180	2,140	2,140	2,140	2,150	2,150	e2,200	2,260	2,210	2,140	1,940	1,870
2	2,180	2,130	2,140	2,140	2,150	2,150	e2,200	2,260	2,210	2,140	1,940	1,870
3	2,170	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,210	2,140	1,930	1,860
4	2,170	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,210	2,130	1,930	1,860
5	2,180	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,200	2,130	1,930	1,860
6	2,180	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,200	2,130	1,930	1,860
7	2,180	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,200	2,130	1,930	1,860
8	2,170	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,200	2,120	1,920	1,860
9	2,170	2,130	2,140	2,140	2,150	2,150	2,200	2,260	2,190	2,120	1,920	1,860
10	2,170	2,120	2,140	2,140	2,150	2,150	2,210	2,250	2,190	2,120	1,920	1,850
11	2,170	2,130	2,140	2,140	2,150	2,150	2,220	2,250	2,190	2,120	1,920	1,850
12	2,170	2,130	2,140	2,140	2,150	2,140	2,230	2,250	2,190	2,120	1,910	1,850
13	2,170	2,130	2,140	2,140	2,150	2,140	2,240	2,250	2,180	2,100	1,910	1,840
14	2,160	2,130	2,140	2,140	2,150	2,140	2,240	2,250	2,180	2,090	1,910	1,840
15	2,160	2,130	2,140	2,140	2,150	2,140	2,250	2,240	2,180	2,080	1,900	1,840
16	2,160	2,130	2,140	2,130	2,150	2,140	2,250	2,240	2,180	2,070	1,900	1,840
17	2,160	2,130	2,140	2,130	2,150	2,170	2,250	2,240	2,180	2,050	1,900	1,840
18	2,160	2,130	2,140	2,140	2,150	2,170	2,250	2,240	2,180	2,040	1,900	1,830
19	2,150	2,130	2,140	2,140	2,150	2,170	2,250	2,240	2,170	2,020	1,900	1,830
20	2,150	2,150	2,140	2,140	2,150	2,170	2,250	2,240	2,170	2,010	1,900	1,830
21	2,150	2,150	2,140	2,140	2,150	e2,180	2,250	2,230	2,170	2,000	1,890	1,830
22	2,150	2,150	2,140	2,140	2,150	e2,170	2,250	2,230	2,170	1,980	1,890	1,830
23	2,150	2,150	2,140	2,140	2,150	2,170	2,250	2,230	2,160	1,970	1,890	1,830
24	2,150	2,150	2,140	2,140	2,150	2,180	2,250	2,220	2,160	1,960	1,890	1,820
25	2,150	2,150	2,140	2,150	2,150	2,190	2,260	2,220	2,160	1,960	1,880	1,820
26	2,150	2,150	2,140	2,150	2,150	2,190	2,260	2,220	2,160	1,960	1,880	1,820
27	2,140	2,150	2,140	2,140	2,150	2,200	2,260	2,220	2,150	1,950	1,880	1,820
28	2,140	2,150	2,140	2,150	2,150	2,200	2,260	2,220	2,150	1,950	1,880	1,810
29	2,140	2,150	2,140	2,150	2,150	2,200	2,260	2,220	2,150	1,950	1,880	1,810
30	2,140	2,150	2,140	2,150	---	2,200	2,260	2,220	2,140	1,950	1,870	1,810
31	2,140	---	2,140	2,150	---	2,200	---	2,210	---	1,940	1,870	---
Max	2,180	2,150	2,140	2,150	2,150	2,200	2,260	2,260	2,210	2,140	1,940	1,870
Min	2,140	2,120	2,140	2,130	2,150	2,140	2,200	2,210	2,140	1,940	1,870	1,810
Elevation, in feet, at end of month												
	597.31	597.40	597.36	597.40	597.44	598.02	598.68	598.15	597.38	595.03	594.13	593.37
Change in contents, in acre-feet												
	-40	10	0	10	0	50	60	-50	-70	-200	-70	-60

	Calendar Year 2011	Water Year 2012
Max	2,560	2,260
Min	2,120	1,810
Change in contents, in acre-feet	-250	-370

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