11414400 French Lake near Cisco, CA

Sacramento River Basin

LOCATION.--Lat 39°25′16″, long 120°32′28″ referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.17, T.18 N., R.13 E., Nevada County, CA, Hydrologic Unit 18020125, Tahoe National Forest, on right bank, near French Lake Dam on Canyon Creek, 0.5 mi upstream from Weil Lake, and 8.2 mi north of Cisco.

DRAINAGE AREA.--4.60 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1986 to current year. Unpublished records for water years 1966-86 available in the files of the U.S. Geological Survey.

REVISED RECORDS.--WDR US-2010: 1994

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Nevada Irrigation District).

COOPERATION.--Records were collected by Nevada Irrigation District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2266.

REMARKS.--Reservoir is formed on natural lake by rock-filled dam completed in 1859. Usable capacity, 13,940 acre-ft, between elevations 6,594.90 ft, invert of outlet gate, and 6,660.28 ft, crest of spillway. Figures given represent usable contents. Released water is used for hydroelectric power and irrigation downstream. See schematic diagram of North and Middle Yuba River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,400 acre-ft, May 19, 2005, Feb. 27, 2006, maximum elevation, 6,661.62 ft, Feb. 27, 2006; minimum, 5,640 acre-ft, Nov. 19, 20, 2001, minimum elevation, 6,629.80 ft, Nov. 20, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 14,200 acre-ft, estimated, May 4-13, maximum gage height recorded, 6,660.95 ft, May 11; minimum, 6,530 acre-ft, Sept 30, elevation, 6,633.77 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by Nevada Irrigation District in 1964)

Elevation	Contents	Elevation	Contents	Elevation	Contents
6,610	1,805	6,630	5,677	6,650	10,701
6,620	3,636	6,640	8,006	6,662	14,542

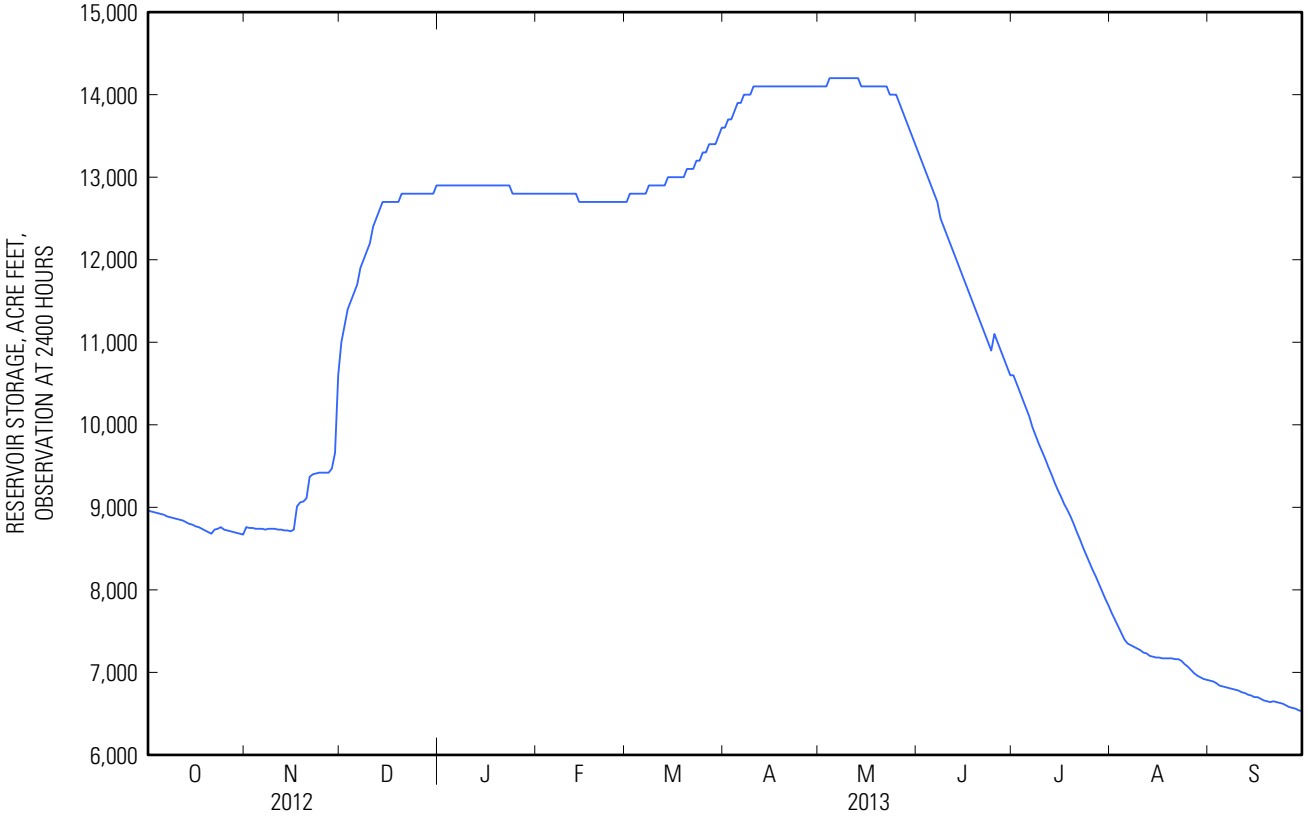
Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 11414400, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/11414400.2013.pdf

11414400 French Lake near Cisco, CA—Continued

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	8,960	8,760	11,000	e12,900	e12,800	e12,700	e13,600	e14,100	13,300	e10,600	7,720	e6,900
2	8,950	8,750	e11,200	e12,900	e12,800	e12,800	e13,700	e14,100	13,200	e10,500	7,640	e6,890
3	8,940	8,750	e11,400	e12,900	e12,800	e12,800	e13,700	e14,100	13,100	e10,400	7,560	e6,870
4	8,930	8,740	e11,500	e12,900	e12,800	e12,800	e13,800	e14,200	13,000	e10,300	7,480	e6,840
5	8,920	8,740	e11,600	e12,900	e12,800	e12,800	e13,900	e14,200	12,900	e10,200	7,400	e6,830
6	8,910	8,740	e11,700	e12,900	e12,800	e12,800	e13,900	e14,200	12,800	e10,100	7,350	e6,820
7	8,890	8,730	e11,900	e12,900	e12,800	e12,800	e14,000	e14,200	12,700	e9,970	7,330	e6,810
8	8,880	8,740	e12,000	e12,900	e12,800	e12,900	e14,000	e14,200	12,500	e9,870	7,310	e6,800
9	8,870	8,740	e12,100	e12,900	e12,800	e12,900	e14,000	e14,200	12,400	e9,770	7,290	e6,790
10	8,860	8,740	e12,200	e12,900	e12,800	e12,900	e14,100	e14,200	12,300	e9,680	7,270	e6,780
11	8,850	8,730	e12,400	e12,900	e12,800	e12,900	e14,100	14,200	12,200	e9,590	7,240	e6,760
12	8,840	8,730	e12,500	e12,900	e12,800	e12,900	e14,100	14,200	12,100	e9,490	7,230	e6,750
13	8,820	8,720	e12,600	e12,900	e12,800	e12,900	e14,100	14,200	12,000	e9,400	e7,200	e6,730
14	8,800	8,720	e12,700	e12,900	e12,700	e13,000	e14,100	14,100	e11,900	e9,300	e7,190	e6,720
15	8,790	8,710	e12,700	e12,900	e12,700	e13,000	e14,100	14,100	11,800	e9,210	e7,180	e6,700
16	8,770	8,730	e12,700	e12,900	e12,700	e13,000	e14,100	14,100	11,700	e9,130	e7,180	6,700
17	8,760	9,010	e12,700	e12,900	e12,700	e13,000	e14,100	14,100	11,600	e9,040	e7,170	6,680
18	8,740	9,060	e12,700	e12,900	e12,700	e13,000	e14,100	14,100	11,500	e8,970	e7,170	6,660
19	8,720	9,070	e12,700	e12,900	e12,700	e13,000	e14,100	14,100	11,400	e8,890	e7,170	6,650
20	8,700	9,110	e12,800	e12,900	e12,700	e13,100	e14,100	14,100	11,300	e8,800	e7,170	6,640
21	8,680	9,370	e12,800	e12,900	e12,700	e13,100	e14,100	14,100	11,200	e8,700	e7,160	6,650
22	8,730	9,400	e12,800	e12,900	e12,700	e13,100	e14,100	14,100	11,100	e8,610	e7,160	6,640
23	8,740	9,410	e12,800	e12,900	e12,700	e13,200	e14,100	14,000	11,000	e8,510	e7,140	6,630
24	8,760	9,420	e12,800	e12,800	e12,700	e13,200	e14,100	14,000	10,900	e8,420	e7,100	6,620
25	8,730	9,420	e12,800	e12,800	e12,700	e13,300	e14,100	14,000	11,100	e8,330	e7,070	6,600
26	8,720	9,420	e12,800	e12,800	e12,700	e13,300	e14,100	13,900	11,000	8,240	e7,030	6,580
27	8,710	9,420	e12,800	e12,800	e12,700	e13,400	e14,100	13,800	e10,900	8,160	e6,990	6,570
28	8,700	9,470	e12,800	e12,800	e12,700	e13,400	e14,100	13,700	e10,800	8,070	e6,960	6,560
29	8,690	9,660	e12,800	e12,800	---	e13,400	e14,100	13,600	e10,700	7,980	e6,940	6,540
30	8,680	10,600	e12,800	e12,800	---	e13,500	e14,100	13,500	e10,600	7,890	e6,920	6,530
31	8,670	---	e12,900	e12,800	---	e13,600	---	13,400	---	7,810	e6,910	---
Max	8,960	10,600	12,900	12,900	12,800	13,600	14,100	14,200	13,300	10,600	7,720	6,900
Min	8,670	8,710	11,000	12,800	12,700	12,700	13,600	13,400	10,600	7,810	6,910	6,530
Elevation, in feet, at end of month												
	6,642.58	6,649.63	---	---	---	---	---	6,658.59	---	6,639.18	---	6,633.77
Change in contents, in acre-feet												
	-310	+1,930	+2,300	-100	-100	+900	+500	-700	-2,800	-2,790	-900	-380

	Calendar Year 2012	Water Year 2013
Max	13,800	14,200
Min	6,160	6,530
Change in contents, in acre-feet	+6,430	-2,450

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