

**11414090 Fordyce Lake near Cisco, CA**

Sacramento River Basin

LOCATION.--Lat 39°22'44", long 120°29'40" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.34, T.18 N., R.12 E., Nevada County, CA, Hydrologic Unit 18020125, near left abutment of Fordyce Dam on Fordyce Creek, and 5.3 mi northeast of Cisco.

DRAINAGE AREA.--31.7 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1977 to current year. Periodic gage heights only for October 1965 to September 1976 and daily contents for water year 1977 are in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 6,290.5 ft above NGVD of 1929 (levels by Pacific Gas and Electric Company). Prior to Nov. 29, 1976, nonrecording gage on upstream side of dam at same datum.

COOPERATION.--Records were collected by Pacific Gas and Electric Company, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2310.

REMARKS.--Lake is formed by a rock-fill dam; storage began in 1926. In 1980 the capacity of Fordyce Lake was increased by the addition of 3 ft of flashboards. Capacity, 49,344 acre-ft, between gage heights 0.85 ft, bottom of outlet valve, and 114.6 ft, top of flashboards in spillway. Released water flows down Fordyce Creek (station 11414100) to Lake Spaulding (station 11414140) for use in a power and irrigation system. See schematic diagram of South Yuba River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 50,100 acre-ft, June 4, 2000, June 7, 2002, maximum gage height, 114.88 ft, June 4, 2000; minimum, 250 acre-ft, Oct. 31 to Nov. 7, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 42,900 acre-ft, May 29, 30, maximum gage height, 105.27 ft, May 30; minimum, 4,090 acre-ft, Sept. 30, gage height, 23.57 ft.

**Capacity table (gage height, in feet, and contents, in acre-feet)  
(Based on 2009 bathymetric survey)**

Gage Height	Contents						
4	350	20	3,230	40	8,760	80	27,170
5	465	25	4,450	50	12,390	90	33,030
10	1,190	30	5,780	60	16,810	100	39,350
15	2,140	35	7,220	70	21,750	114.6	49,340

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20,800	17,900	21,100	28,400	25,600	19,800	19,900	34,300	42,700	36,600	22,900	8,890
2	20,700	17,800	24,300	28,400	25,500	19,600	20,200	34,700	42,600	36,300	22,100	8,760
3	20,500	17,700	24,800	28,400	25,400	19,300	20,600	35,300	42,500	36,000	21,500	8,630
4	20,500	17,600	25,200	28,400	25,200	19,100	21,300	35,700	42,300	35,800	20,800	8,500
5	20,400	17,400	26,400	28,400	25,100	18,800	21,900	36,100	42,200	35,500	20,100	8,360
6	20,300	17,300	26,900	28,300	24,900	18,700	22,300	36,600	42,000	35,200	19,400	8,230
7	20,300	17,100	27,100	28,300	24,800	18,400	22,800	37,000	41,800	35,000	19,000	8,100
8	20,200	17,000	27,300	28,300	24,600	18,200	23,100	37,500	41,600	34,700	19,000	7,970
9	20,100	16,900	27,400	28,300	24,500	17,900	23,300	38,100	41,400	34,400	18,900	7,840
10	20,000	16,800	27,500	28,300	24,300	17,700	23,600	38,600	41,200	34,100	18,900	7,710
11	19,900	16,600	27,600	28,300	24,100	17,400	24,200	39,200	41,000	33,600	18,800	7,560
12	19,800	16,500	27,700	28,300	24,000	17,300	24,800	39,800	40,800	33,100	18,400	7,410
13	19,700	16,400	27,700	28,300	23,800	17,100	25,400	40,400	40,500	32,700	17,600	7,260
14	19,700	16,200	27,800	28,300	23,600	17,200	25,900	40,900	40,300	32,200	16,900	7,100
15	19,600	16,100	27,800	28,200	23,300	17,300	26,300	41,300	40,100	31,700	16,200	6,940
16	19,500	16,000	27,900	28,000	23,100	17,400	26,600	41,700	39,800	31,300	15,500	6,790
17	19,400	16,300	27,900	27,800	22,800	17,500	26,800	42,000	39,600	30,800	14,800	6,650
18	19,300	16,300	28,000	27,600	22,600	17,500	26,900	42,200	39,300	30,400	14,100	6,500
19	19,200	16,300	28,000	27,400	22,400	17,600	27,300	42,400	39,000	29,900	13,400	6,350
20	19,100	16,300	28,000	27,200	22,100	17,800	27,700	42,600	38,800	29,500	12,700	6,190
21	19,100	16,600	28,100	27,000	21,900	17,900	28,200	42,700	38,500	29,000	12,200	6,110
22	19,100	16,700	28,200	26,900	21,600	17,900	28,900	42,700	38,300	28,600	11,800	5,970
23	19,000	16,700	28,300	26,700	21,400	17,900	29,400	42,700	38,000	28,100	11,300	5,800
24	18,900	16,700	28,300	26,500	21,100	17,900	29,900	42,700	37,900	27,700	10,800	5,570
25	18,800	16,700	28,400	26,400	20,800	18,000	30,400	42,700	37,900	27,200	10,300	5,360
26	18,700	16,700	28,400	26,400	20,600	18,100	31,000	42,600	37,700	26,700	9,940	5,150
27	18,600	16,700	28,400	26,300	20,300	18,300	31,700	42,600	37,600	26,200	9,660	4,930
28	18,400	16,800	28,400	26,200	20,100	18,600	32,400	42,800	37,300	25,600	9,440	4,700
29	18,300	17,200	28,400	26,100	---	18,800	33,100	42,900	37,100	25,000	9,300	4,270
30	18,200	19,700	28,400	25,900	---	19,200	33,800	42,900	36,800	24,300	9,160	4,090
31	18,000	---	28,400	25,800	---	19,600	---	42,800	---	23,600	9,020	---
<b>Max</b>	20,800	19,700	28,400	28,400	25,600	19,800	33,800	42,900	42,700	36,600	22,900	8,890
<b>Min</b>	18,000	16,000	21,100	25,800	20,100	17,100	19,900	34,300	36,800	23,600	9,020	4,090
<b>Elevation, in feet, at end of month</b>	62.53	65.95	82.20	77.54	66.71	65.77	91.28	105.19	96.10	73.43	40.81	23.57
<b>Change in contents, in acre-feet</b>	-3,000	+1,700	+8,700	-2,600	-5,700	-500	+14,200	+9,000	-6,000	-13,200	-14,580	-4,930

	Calendar Year 2012	Water Year 2013
<b>Max</b>	48,900	42,900
<b>Min</b>	16,000	4,090
<b>Change in contents, in acre-feet</b>	+7,400	-16,910

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