

11441100 Ice House Reservoir near Kyburz, CA

Sacramento River Basin

LOCATION.--Lat 38°49'51", long 120°21'35" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.1, T.11 N., R.14 E., El Dorado County, CA, Hydrologic Unit 18020129, in Eldorado National Forest, in powerplant intake structure near right bank, 0.5 mi north of Ice House Dam on South Fork Silver Creek, and 5.2 mi northwest of Kyburz.

DRAINAGE AREA.--27.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1959 to current year.

CHEMICAL ANALYSES: Water year 1996.

REVISED RECORDS.--WSP 1931: 1960.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Sacramento Municipal Utility District). Prior to July 15, 1985, at site 0.5 mi downstream at Ice House Dam at same datum.

COOPERATION.--Records were collected by Sacramento Municipal Utility District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2101.

REMARKS.--Reservoir is formed by an earthfill dam; storage began Dec. 15, 1959. Capacity, 43,500 acre-ft (revised) at 5,450.0 ft, top of spillway gates. Reservoir is used to store water for power development. Reservoir is also forebay for Jones Fork Powerplant (station 11440900), which diverts up to 350 ft³/s to powerplant completed in April 1985, then to Union Valley Reservoir (station 11441001). Records, including extremes, represent total contents. See schematic diagram of South Fork American River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 46,400 acre-ft, June 27, 1971, elevation, 5,450.6 ft; minimum since reservoir first filled, 1,450 acre-ft, Dec. 8, 1983, elevation, 5,347.9 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 43,000 acre-ft, May 19, June 20, 21, maximum elevation, 5,449.33 ft, May 19; minimum, 21,400 acre-ft, Nov. 10-12, minimum elevation, 5,411.81 ft, Nov. 12.

Capacity table (elevation, in feet, and contents in acre-feet)
(Table provided by Sacramento Municipal Utility District, based on June, 2000, survey)
(REVISED)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
5,345	861	5,360	3,048	5,400	16,030	5,440	37,010
5,350	1,411	5,380	8,449	5,420	25,540	5,451	44,170

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29,100	21,500	21,900	22,400	22,700	24,600	29,300	37,600	42,700	42,900	40,300	38,300
2	29,100	21,500	21,900	22,400	22,700	24,600	29,600	38,100	42,800	42,900	40,200	38,300
3	29,000	21,500	21,900	22,400	22,700	24,600	29,800	38,300	42,800	42,800	40,100	38,200
4	29,000	21,500	21,900	22,700	22,700	24,600	30,100	38,600	42,800	42,700	40,000	38,200
5	29,000	21,500	21,800	22,700	22,700	24,600	30,400	38,800	42,800	42,600	39,900	38,200
6	29,000	21,500	21,800	22,800	22,800	24,600	30,800	39,100	42,800	42,600	39,800	38,200
7	28,900	21,500	21,800	22,800	22,800	24,600	31,200	39,300	42,800	42,400	39,700	38,200
8	28,900	21,500	21,800	22,800	22,800	24,700	31,500	39,700	42,800	42,300	39,600	38,100
9	28,900	21,500	21,800	22,800	22,900	24,700	31,900	40,100	42,800	42,200	39,500	38,100
10	28,900	21,400	21,700	22,800	23,200	24,800	32,200	40,500	42,800	42,100	39,400	38,100
11	28,800	21,400	21,700	22,800	23,500	24,800	32,500	40,900	42,800	42,100	39,300	38,100
12	28,800	21,400	21,700	22,800	23,600	24,900	32,700	41,200	42,800	42,000	39,200	38,000
13	28,800	21,500	21,800	22,800	23,700	25,100	32,900	41,600	42,900	41,900	39,200	38,000
14	28,700	22,000	22,000	22,800	23,700	25,300	33,100	41,800	42,900	41,800	39,100	38,000
15	28,700	22,000	22,200	22,800	23,800	25,500	33,300	42,100	42,900	41,700	39,000	38,000
16	28,700	22,100	22,300	22,800	23,800	25,700	33,400	42,400	42,900	41,600	38,900	38,000
17	28,600	22,100	22,300	22,800	23,900	26,000	33,600	42,700	42,900	41,600	38,800	37,900
18	28,600	22,100	22,300	22,700	24,000	26,300	33,800	42,900	42,900	41,500	38,700	37,900
19	28,500	22,100	22,300	22,800	24,100	26,600	34,000	43,000	42,900	41,400	38,600	37,900
20	28,200	22,100	22,300	22,800	24,100	26,900	34,100	42,900	43,000	41,300	38,600	37,900
21	27,400	22,100	22,400	22,800	24,200	27,100	34,300	42,800	43,000	41,200	38,500	37,900
22	26,700	22,100	22,400	22,700	24,300	27,200	34,500	42,600	42,900	41,100	38,500	37,800
23	26,100	22,100	22,400	22,700	24,300	27,400	34,600	42,600	42,900	41,100	38,500	37,800
24	25,600	22,100	22,500	22,700	24,400	27,600	34,800	42,500	42,900	41,000	38,500	37,800
25	25,200	22,000	22,400	22,700	24,500	27,900	35,100	42,500	42,900	40,900	38,500	37,800
26	24,600	22,000	22,500	22,700	24,600	28,200	35,400	42,500	42,900	40,800	38,400	37,800
27	24,100	22,000	22,500	22,700	24,600	28,500	35,800	42,500	42,900	40,700	38,400	37,700
28	23,400	22,000	22,500	22,700	24,600	28,600	36,300	42,600	42,900	40,600	38,400	37,700
29	22,600	22,000	22,400	22,700	---	28,800	36,800	42,600	42,900	40,600	38,300	37,700
30	22,000	21,900	22,400	22,700	---	28,900	37,200	42,700	42,900	40,400	38,300	37,700
31	21,500	---	22,400	22,700	---	29,100	---	42,700	---	40,300	38,300	---
Max	29,100	22,100	22,500	22,800	24,600	29,100	37,200	43,000	43,000	42,900	40,300	38,300
Min	21,500	21,400	21,700	22,400	22,700	24,600	29,300	37,600	42,700	40,300	38,300	37,700
Elevation, in feet, at end of month	5,412.07	5,412.86	5,413.90	5,414.50	5,418.28	5,426.58	5,440.32	5,448.81	5,449.15	5,445.24	5,442.08	5,441.09
Change in contents, in acre-feet	^a -7,600	+400	+500	+300	+1,900	+4,500	+8,100	+5,500	+200	-2,600	-2,000	-600

^a Computed based on revised capacity table, put into use October 1, 2006.

	Calendar Year 2006	Water Year 2007
Max	42,000	43,000
Min	21,400	21,400
Change in contents, in acre-feet	^a -10,600	^a +8,600

^a Computed based on revised capacity table, put into use October 1, 2006.

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