

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 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, 41,900 acre-ft, June 29 to July 9, maximum elevation, 5,447.64 ft, July 3, 6, 7; minimum, 20,200 acre-ft, Mar. 10-12, elevation, 5,409.33 ft.

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

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 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37,700	28,200	25,600	25,000	24,400	21,000	20,900	27,600	39,400	41,900	39,000	35,300
2	37,600	28,100	25,600	25,000	24,300	20,900	20,900	27,900	39,600	41,900	38,800	35,100
3	37,500	28,000	25,500	24,900	24,200	20,800	20,900	28,300	39,700	41,900	38,600	35,000
4	37,400	27,900	25,500	25,100	24,000	20,700	20,900	28,700	39,900	41,900	38,500	34,900
5	37,300	27,700	25,500	25,100	23,900	20,600	21,000	29,100	40,100	41,900	38,300	34,800
6	37,300	27,600	25,500	25,100	23,700	20,500	21,200	29,700	40,200	41,900	38,100	34,700
7	37,200	27,500	25,500	25,200	23,600	20,400	21,300	30,200	40,400	41,900	38,000	34,600
8	37,100	27,300	25,500	25,200	23,400	20,300	21,400	30,700	40,500	41,900	37,900	34,500
9	37,000	e27,300	25,400	25,200	23,200	20,300	21,500	31,200	40,600	41,900	37,800	34,300
10	37,000	e27,200	25,400	25,200	23,100	20,200	21,600	31,700	40,700	41,700	37,700	34,200
11	37,000	e27,200	25,400	25,200	22,900	20,200	21,700	32,200	40,800	41,600	37,500	34,100
12	37,000	27,100	25,400	25,200	22,800	20,200	21,900	32,700	40,900	41,400	37,400	34,000
13	37,000	27,000	25,300	25,200	22,600	20,300	22,200	33,100	41,000	41,300	37,300	33,900
14	37,000	26,900	25,300	25,100	22,500	20,400	22,600	33,600	41,100	41,100	37,200	33,900
15	36,500	26,900	25,300	25,100	22,400	20,400	22,800	34,300	41,200	40,900	37,100	33,800
16	35,600	26,800	25,200	25,100	22,200	20,400	23,000	35,100	41,300	40,800	37,000	33,700
17	34,700	26,700	25,200	25,100	22,100	20,400	23,300	35,700	41,400	40,600	36,900	33,400
18	33,800	26,600	25,200	25,100	22,000	20,400	23,600	36,200	41,500	40,400	36,800	33,300
19	33,000	26,600	25,200	25,100	21,900	20,400	23,900	36,700	41,500	40,300	36,700	33,200
20	32,200	26,500	25,200	25,100	21,800	20,500	24,200	36,900	41,500	40,100	36,600	33,100
21	31,400	26,400	25,200	25,000	21,800	20,500	24,400	37,000	41,500	40,100	36,500	33,000
22	30,500	26,300	25,200	25,000	21,600	20,500	24,600	37,000	41,600	40,100	36,400	32,900
23	29,700	26,200	25,100	25,000	21,500	20,500	24,700	37,100	41,600	40,100	36,300	32,800
24	28,800	26,100	25,100	24,900	21,500	20,600	24,900	37,400	41,700	40,100	36,100	32,800
25	28,500	26,000	25,100	24,800	21,400	20,600	25,000	37,600	41,700	40,100	36,000	32,700
26	28,500	25,900	25,100	24,800	21,300	20,700	25,300	37,900	41,800	39,800	35,900	32,600
27	28,500	25,800	25,100	24,700	21,200	20,800	25,800	38,200	41,800	39,900	35,800	32,500
28	28,500	25,700	25,100	24,800	21,100	20,800	26,300	38,500	41,800	39,700	35,700	32,400
29	28,500	25,700	25,100	24,700	21,100	20,900	26,800	38,800	41,900	39,500	35,600	32,300
30	28,400	25,600	25,000	24,700	---	20,900	27,200	39,000	41,900	39,400	35,500	32,300
31	28,400	---	25,000	24,600	---	20,900	---	39,200	---	39,200	35,400	---
Max	37,700	28,200	25,600	25,200	24,400	21,000	27,200	39,200	41,900	41,900	39,000	35,300
Min	28,400	25,600	25,000	24,600	21,100	20,200	20,900	27,600	39,400	39,200	35,400	32,300
Elevation, in feet, at end of month	5,425.39	5,420.19	5,418.99	5,418.13	5,411.18	5,410.75	5,423.21	5,443.41	5,447.59	5,443.53	5,437.33	5,432.22
Change in contents, in acre-feet	-9,300	-2,800	-600	-400	-3,500	-200	+6,300	+12,000	+2,700	-2,700	-3,800	-3,100

	Calendar Year 2007	Water Year 2008
Max	43,000	41,900
Min	22,400	20,200
Change in contents, in acre-feet	+2,600	-5,400

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