

11313470 Upper Blue Lake near Markleeville, CA

San Joaquin River Basin

LOCATION.--Lat 38°37'43", long 119°56'24" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.18, T.9 N., R.19 E., Alpine County, CA, Hydrologic Unit 18040012, 8.9 mi southeast of Kirkwood, and 9.7 mi southwest of Markleeville.

DRAINAGE AREA.--2.61 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2005 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,150 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records were collected by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 137.

REMARKS.--Records not computed for winter months. Lake is formed by a rock and earth-fill dam; storage began in 1881. Capacity between gage heights 0.0 and 29.0 ft, 7,580 acre-ft (corrected). Released water is used downstream for power generation. See schematic diagram of Mokelumne River Basin available from the California Water Science Center.

**Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on survey by Pacific Gas and Electric Company, dated Oct. 1, 1997)
(CORRECTED)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
0	6	15	3,300	25	6,230
5	1,020	20	4,680	29	7,580
10	2,100				

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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	2,270	1,970	2,170	---	---	---	---	---	4,230	3,820	3,180	2,320
2	2,240	2,020	2,170	---	---	---	---	---	4,270	3,830	3,140	2,340
3	2,220	2,030	2,170	---	---	---	---	---	4,280	3,760	3,090	2,320
4	2,170	2,040	2,160	---	---	---	---	---	4,280	3,730	3,040	2,310
5	2,140	2,040	2,160	---	---	---	---	---	4,300	3,710	3,010	2,300
6	2,110	2,040	2,160	---	---	---	---	---	4,300	3,690	2,970	2,290
7	2,080	2,050	2,160	---	---	---	---	---	4,330	3,780	2,920	2,270
8	2,050	2,090	---	---	---	---	---	---	4,330	3,660	2,890	2,260
9	2,020	2,050	---	---	---	---	---	---	4,350	3,640	2,820	2,250
10	2,010	2,060	---	---	---	---	---	---	4,360	3,620	2,790	2,240
11	2,010	2,070	---	---	---	---	---	---	4,340	3,620	2,790	2,220
12	2,010	2,060	---	---	---	---	---	---	4,340	3,570	2,730	2,210
13	1,990	2,130	---	---	---	---	---	---	4,340	3,600	2,660	2,200
14	2,000	2,180	---	---	---	---	---	---	4,330	3,620	2,620	2,190
15	1,990	2,170	---	---	---	---	---	---	4,310	3,590	2,620	2,170
16	1,990	2,190	---	---	---	---	---	---	4,300	3,600	2,580	2,170
17	1,990	2,170	---	---	---	---	---	---	4,300	3,620	2,560	2,160
18	1,980	2,190	---	---	---	---	---	---	4,280	3,600	2,560	2,150
19	1,980	2,170	---	---	---	---	---	3,860	4,270	3,600	2,570	2,130
20	1,990	2,170	---	---	---	---	---	3,920	4,250	3,620	2,540	2,130
21	1,980	2,170	---	---	---	---	---	3,960	4,230	3,620	2,490	2,130
22	1,980	2,190	---	---	---	---	---	3,990	4,210	3,570	2,490	2,090
23	1,980	2,170	---	---	---	---	---	4,020	4,180	3,510	2,440	2,090
24	1,980	2,170	---	---	---	---	---	4,040	4,170	3,410	2,460	2,080
25	1,970	2,170	---	---	---	---	---	4,060	4,130	3,450	2,450	2,060
26	1,980	2,190	---	---	---	---	---	4,100	4,080	3,420	2,430	2,040
27	1,970	2,200	---	---	---	---	---	4,130	4,030	3,370	2,360	2,030
28	1,970	2,190	---	---	---	---	---	4,170	3,960	3,310	2,360	2,010
29	1,970	2,190	---	---	---	---	---	4,190	3,920	3,240	2,390	2,000
30	1,970	2,180	---	---	---	---	---	4,190	3,870	3,230	2,400	1,990
31	1,970	---	---	---	---	---	---	4,220	---	3,210	2,400	---
Max	2,270	2,200	---	---	---	---	---	---	4,360	3,830	3,180	2,340
Min	1,970	1,970	---	---	---	---	---	---	3,870	3,210	2,360	1,990
Elevation, in feet, at end of month	9.41	10.34	---	---	---	---	---	18.40	17.15	14.63	11.31	9.48
Change in contents, in acre-feet	-340	+210	---	---	---	---	---	---	-350	-660	-810	-410

Water Year 2007

Change in contents, in acre-feet -320

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