



Water-Data Report 2008

11313475 Lower Blue Lake near Markleeville, CA

San Joaquin River Basin

LOCATION.--Lat 38°36'34", long 119°55'32" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec.30, T.9 N., R.19 E., Alpine County, CA, Hydrologic Unit 18040012, southeast side of dam, 9.8 mi southwest of Markleeville, and 11.5 mi south of Sorensens.

DRAINAGE AREA.--4.57 mi².

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WDR US-2007: Drainage Area.

GAGE.--Staff gage read intermittently during the summer months. Elevation of gage is 8,060 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.--Lake is formed by a rock and earth-fill dam; storage began in 1881. Capacity between gage heights 0.6 and 39.0 ft, 5,150 acre-ft. Release 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 Apr. 23, 1965)**

Gage Height	Contents						
0.6	0	10	754	25	2,640	35	4,380
1	29	15	1,250	30	3,470	39	5,150
5	329	20	1,870				

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY INSTANTANEOUS VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,960	---	---	---	---	---	---	---	---	---	---	---
2	1,950	---	---	---	---	---	---	---	4,230	---	---	---
3	---	---	1,450	---	---	---	---	---	---	4,640	---	---
4	---	---	---	---	---	---	---	---	---	---	4,380	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	1,500	---	---	---	---	---	2,800	---	4,620	---	---
8	---	---	---	---	---	---	---	---	---	---	---	3,790
9	---	---	---	---	---	---	---	---	4,450	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	1,480	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	3,110	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	4,570	---	3,610
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	4,550	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	3,730	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	1,480	---	---	---	---	---	---	---	---	4,120	---
22	1,610	---	---	---	---	---	---	---	---	4,490	---	---
23	---	---	---	---	---	---	---	---	4,620	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	3,230
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	4,100	---
28	---	1,520	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	1,590	---	---	---	---	---	---	---	4,640	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---