

**11399000 Lake Almanor at Prattville, CA**

Sacramento River Basin

LOCATION.--Lat 40°12'46", long 121°09'43" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.11, T.27 N., R.7 E., Plumas County, CA, Hydrologic Unit 18020121, Lassen National Forest, at intake tower to Butt Valley Tunnel at Prattville, 4.7 mi northwest of Lake Almanor Dam, and 5.6 mi northwest of Canyon Dam.

DRAINAGE AREA.--491 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1913 to current year. Monthly contents only for some periods, published in WSP 1315-A. Published as "near Prattville" 1937-60. Prior to October 1964, records published as usable contents.

REVISED RECORDS.--WSP 1931: Drainage area.

GAGE.--Datum of gage is 10.23 ft below NGVD of 1929 (levels by Pacific Gas and Electric Company). Prior to June 1, 1965, nonrecording gage at site 4.7 mi southeast 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. 2105.

REMARKS.--Lake is formed by earth-fill dam; storage began in July 1913; dam raised to elevation 4,455 ft in 1917 and 4,515 ft in 1927. Usable capacity, 1,175,000 acre-ft, between elevations 4,422 ft, invert of outlet, and 4,495.5 ft, maximum storage limit. Dead storage, 8,948 acre-ft. Water is diverted by tunnel and penstock to Butt Valley Powerplant (station 11400600) and then is used for power development in the North Fork Feather River. Figures given, including extremes, represent total contents at 2400 hours. See schematic diagram of North Fork Feather River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,142,960 acre-ft, June 8, 1982, elevation, 4,494.00 ft; minimum, 5,230 acre-ft, Feb. 5, 1918, elevation, 4,416.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,117,000 acre-ft, June 7, elevation, 4,493.02 ft; minimum, 911,200 acre-ft, Jan. 6, elevation, 4,485.11 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)  
(Based on surveys by Pacific Gas and Electric Company in 1924 and 1926)**

Gage Height	Contents	Gage Height	Contents	Gage Height	Contents	Gage Height	Contents
4,422	8,948	4,432	34,170	4,445	156,410	4,470	565,520
4,424	10,070	4,434	49,510	4,450	220,850	4,480	787,300
4,426	11,260	4,437	74,190	4,455	294,530	4,490	1,036,300
4,428	13,480	4,440	101,870	4,460	376,690	4,495.5	1,183,800
4,430	21,200						

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**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	995,600	983,000	941,000	916,700	937,800	958,200	1,017,000	1,077,000	1,112,000	1,094,000	1,050,000	1,045,000
2	994,900	981,200	939,000	915,200	939,000	959,000	1,018,000	1,079,000	1,112,000	1,093,000	1,051,000	1,045,000
3	994,100	979,400	937,300	914,200	939,500	959,800	1,020,000	1,081,000	1,114,000	1,091,000	1,051,000	1,045,000
4	992,000	978,400	935,000	913,400	940,500	960,800	1,022,000	1,084,000	1,114,000	1,090,000	1,051,000	1,044,000
5	992,300	978,100	935,200	912,400	941,200	961,800	1,022,000	1,087,000	1,116,000	1,088,000	1,051,000	1,044,000
6	990,200	978,400	936,200	911,200	941,900	963,100	1,024,000	1,089,000	1,116,000	1,086,000	1,051,000	1,044,000
7	989,500	976,600	937,000	911,400	942,800	963,300	1,024,000	1,091,000	1,117,000	1,084,000	1,051,000	1,043,000
8	988,400	975,300	937,800	911,900	943,200	964,300	1,025,000	1,093,000	1,115,000	1,082,000	1,050,000	1,043,000
9	985,900	974,000	938,000	912,400	943,500	965,400	1,026,000	1,095,000	1,114,000	1,080,000	1,050,000	1,041,000
10	987,100	974,600	938,500	912,400	943,700	966,400	1,027,000	1,095,000	1,112,000	1,078,000	1,050,000	1,039,000
11	988,700	973,300	938,000	912,700	944,300	967,700	1,029,000	1,095,000	1,112,000	1,077,000	1,050,000	1,039,000
12	989,500	972,300	937,500	913,400	945,000	966,400	1,031,000	1,096,000	1,111,000	1,076,000	1,049,000	1,039,000
13	989,500	971,700	936,800	914,400	945,600	973,300	1,035,000	1,096,000	1,111,000	1,073,000	1,049,000	1,040,000
14	989,700	971,000	935,200	915,400	946,700	976,600	1,036,000	1,096,000	1,112,000	1,071,000	1,049,000	1,040,000
15	989,200	971,500	933,700	916,200	947,400	979,900	1,037,000	1,099,000	1,112,000	1,071,000	1,049,000	1,039,000
16	988,400	969,400	933,500	916,900	947,800	987,100	1,038,000	1,100,000	1,112,000	1,072,000	1,049,000	1,038,000
17	987,400	967,400	933,000	917,400	948,400	990,000	1,039,000	1,101,000	1,112,000	1,072,000	1,049,000	1,036,000
18	987,900	966,100	932,700	918,200	949,300	992,600	1,040,000	1,101,000	1,111,000	1,072,000	1,048,000	1,035,000
19	987,100	964,300	931,000	920,700	949,900	994,400	1,042,000	1,102,000	1,110,000	1,071,000	1,048,000	1,033,000
20	987,100	963,100	929,700	925,400	950,900	996,200	1,044,000	1,103,000	1,108,000	1,069,000	1,048,000	1,032,000
21	988,200	960,800	929,200	927,700	951,700	996,700	1,045,000	1,103,000	1,107,000	1,068,000	1,049,000	1,029,000
22	988,900	958,800	927,700	931,000	952,200	999,000	1,048,000	1,103,000	1,105,000	1,067,000	1,049,000	1,027,000
23	988,900	956,500	926,400	933,200	952,400	1,000,000	1,050,000	1,103,000	1,104,000	1,066,000	1,049,000	1,024,000
24	989,500	954,700	925,200	934,500	950,900	1,001,000	1,052,000	1,103,000	1,103,000	1,064,000	1,049,000	1,023,000
25	988,700	952,200	924,400	936,000	951,700	1,002,000	1,056,000	1,104,000	1,102,000	1,063,000	1,049,000	1,021,000
26	987,400	950,100	923,400	935,500	952,200	1,003,000	1,063,000	1,106,000	1,100,000	1,060,000	1,049,000	1,019,000
27	986,600	947,900	922,200	934,000	952,700	1,006,000	1,066,000	1,107,000	1,099,000	1,059,000	1,049,000	1,016,000
28	986,100	945,600	920,700	935,000	954,200	1,009,000	1,068,000	1,108,000	1,098,000	1,057,000	1,049,000	1,014,000
29	985,900	943,300	919,700	936,200	957,000	1,010,000	1,071,000	1,109,000	1,096,000	1,055,000	1,050,000	1,012,000
30	985,600	942,600	918,900	937,300	---	1,011,000	1,074,000	1,110,000	1,095,000	1,053,000	1,048,000	1,010,000
31	984,800	---	917,900	936,500	---	1,016,000	---	1,112,000	---	1,052,000	1,047,000	---
<b>Max</b>	995,600	983,000	941,000	937,300	957,000	1,016,000	1,074,000	1,112,000	1,117,000	1,094,000	1,051,000	1,045,000
<b>Min</b>	984,800	942,600	917,900	911,200	937,800	958,200	1,017,000	1,077,000	1,095,000	1,052,000	1,047,000	1,010,000
<b>Elevation, in feet, at end of month</b>	4,488.02	4,486.36	4,485.38	4,486.12	4,486.93	4,489.22	4,491.42	4,492.85	4,492.23	4,490.58	4,490.40	4,488.99
<b>Change in contents, in acre-feet</b>	-11,200	-42,200	-24,700	+18,600	+20,500	+59,000	+58,000	+38,000	-17,000	-43,000	-5,000	-37,000

	Calendar Year 2011	Water Year 2012
<b>Max</b>	1,130,000	1,117,000
<b>Min</b>	800,000	911,200
<b>Change in contents, in acre-feet</b>	+55,900	+14,000

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