

**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, 1,007,000 acre-ft, Oct. 1, elevation, 4,488.86 ft; minimum, 819,200 acre-ft, Sept. 9, elevation, 4,481.34 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 2012 TO SEPTEMBER 2013**  
**DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,007,000	946,100	937,000	981,000	941,300	927,700	976,100	997,200	991,500	956,200	894,300	832,800
2	1,004,000	944,300	949,900	979,200	941,300	927,500	977,600	997,700	991,300	954,400	892,100	830,900
3	1,002,000	943,300	953,700	977,600	941,300	928,500	978,900	997,500	991,000	953,200	889,600	829,000
4	1,002,000	942,000	960,500	975,300	941,000	927,500	981,000	997,200	991,800	950,600	887,200	826,600
5	1,001,000	940,500	967,400	973,000	941,800	927,700	982,000	998,000	991,000	949,600	884,900	824,200
6	998,800	939,000	971,200	970,700	941,500	931,000	983,000	999,000	989,500	947,100	882,700	822,500
7	996,400	937,000	972,300	968,200	941,500	931,700	984,600	999,300	986,900	946,100	880,300	820,800
8	994,100	935,700	973,800	966,600	941,000	933,000	985,900	998,500	984,600	943,600	878,300	820,400
9	991,300	935,500	975,300	965,600	941,300	933,700	987,400	998,800	983,300	941,500	876,100	819,200
10	989,200	934,000	975,100	964,100	941,500	934,500	988,900	999,500	983,300	939,800	873,900	819,900
11	986,100	934,200	974,300	962,600	940,800	935,500	990,200	1,000,000	982,500	938,000	871,900	819,900
12	983,500	932,200	974,800	961,300	940,300	936,000	992,000	1,001,000	981,000	935,700	869,700	819,900
13	981,000	929,700	973,800	960,800	939,800	937,500	993,300	999,800	979,400	933,500	868,300	820,100
14	979,200	927,200	974,300	958,800	939,500	939,300	994,900	998,500	977,900	931,700	866,300	820,800
15	977,100	924,400	974,800	956,500	937,000	941,000	996,200	998,200	977,100	932,200	864,300	820,100
16	974,600	922,400	975,300	954,700	935,200	943,100	997,700	1,000,000	975,800	931,500	862,400	820,100
17	971,700	924,400	976,400	952,700	935,700	944,300	998,500	1,001,000	973,300	930,000	860,700	820,400
18	969,200	923,700	976,400	950,600	937,000	946,300	999,500	1,001,000	971,700	928,000	858,700	820,400
19	967,200	922,200	975,800	948,600	938,300	948,600	1,000,000	1,001,000	969,400	925,400	858,300	820,100
20	965,100	923,200	976,100	946,300	938,500	952,200	1,001,000	999,500	967,900	922,700	856,300	819,600
21	962,800	923,700	980,500	943,800	937,000	955,200	1,001,000	998,200	968,200	920,200	854,600	820,800
22	963,100	924,200	984,300	941,800	935,000	957,500	1,000,000	996,900	967,400	917,400	852,400	820,800
23	960,500	922,400	989,200	941,800	935,200	959,500	999,000	995,900	967,200	914,700	850,500	820,800
24	959,300	920,900	989,200	940,500	934,500	961,300	998,500	994,900	967,200	912,400	848,300	821,300
25	957,500	919,200	990,500	939,000	933,500	962,800	997,200	995,400	966,900	910,700	846,600	821,600
26	954,400	916,900	990,500	937,800	931,700	964,300	996,700	995,400	966,400	908,200	844,400	821,800
27	952,700	918,200	988,200	938,500	930,200	965,900	996,900	995,100	964,100	906,500	842,700	821,800
28	951,700	920,400	987,400	939,300	929,000	967,400	997,700	993,800	961,800	904,500	840,800	822,300
29	950,100	924,200	986,400	940,500	---	968,700	998,000	993,300	959,800	901,500	838,400	822,500
30	948,400	930,200	984,800	941,300	---	970,200	998,000	992,600	958,500	899,000	836,500	822,500
31	947,600	---	982,000	941,300	---	973,800	---	991,800	---	896,800	834,500	---
<b>Max</b>	1,007,000	946,100	990,500	981,000	941,800	973,800	1,001,000	1,001,000	991,800	956,200	894,300	832,800
<b>Min</b>	947,600	916,900	937,000	937,800	929,000	927,500	976,100	991,800	958,500	896,800	834,500	819,200
<b>Elevation, in feet, at end of month</b>	4,486.56	4,485.87	4,487.91	4,486.31	4,485.82	4,487.59	4,488.53	4,488.29	4,486.99	4,484.53	4,481.98	4,481.48
<b>Change in contents, in acre-feet</b>	-62,400	-17,400	+51,800	-40,700	-12,300	+44,800	+24,200	-6,200	-33,300	-61,700	-62,300	-12,000

	Calendar Year 2012	Water Year 2013
<b>Max</b>	1,117,000	1,007,000
<b>Min</b>	911,200	819,200
<b>Change in contents, in acre-feet</b>	+64,100	-187,500

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