

**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 earthfill dam; storage began in July 1913; dam raised to gage height 4,455 ft in 1917 and 4,515 ft in 1927. Usable capacity, 1,175,000 acre-ft, between gage heights 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, gage height, 4,494.00 ft; minimum, 5,230 acre-ft, Feb. 5, 1918, gage height, 4,416.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 945,000 acre-ft, May 21, 22, and May 30 to June 1, maximum gage height, 4,486.46 ft, May 21, 31; minimum, 790,000 acre-ft, Feb. 3-6, minimum gage height, 4,480.11 ft, Feb. 5, 6.

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

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
4,422	8,948	4,432	34,173	4,445	156,414	4,470	565,519
4,424	10,067	4,434	49,510	4,450	220,848	4,480	787,304
4,426	11,260	4,437	74,189	4,455	294,531	4,490	1,036,269
4,428	13,480	4,440	101,869	4,460	376,686	4,495.5	1,183,835
4,430	21,200						

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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	944,000	904,000	851,000	801,000	792,000	821,000	875,000	922,000	945,000	933,000	879,000	828,000
2	943,000	902,000	850,000	800,000	791,000	821,000	876,000	925,000	944,000	932,000	877,000	827,000
3	942,000	900,000	848,000	798,000	790,000	823,000	878,000	927,000	944,000	930,000	874,000	826,000
4	941,000	898,000	846,000	798,000	790,000	824,000	879,000	928,000	943,000	928,000	873,000	825,000
5	940,000	899,000	844,000	797,000	790,000	825,000	881,000	929,000	943,000	926,000	871,000	824,000
6	939,000	899,000	841,000	797,000	790,000	826,000	883,000	930,000	943,000	924,000	868,000	823,000
7	938,000	897,000	838,000	797,000	791,000	828,000	884,000	932,000	942,000	923,000	866,000	821,000
8	937,000	895,000	836,000	797,000	793,000	829,000	886,000	933,000	942,000	922,000	863,000	820,000
9	935,000	893,000	836,000	798,000	796,000	831,000	887,000	934,000	942,000	919,000	860,000	819,000
10	935,000	889,000	834,000	798,000	800,000	832,000	889,000	935,000	941,000	919,000	858,000	817,000
11	934,000	889,000	832,000	798,000	803,000	834,000	891,000	937,000	941,000	918,000	855,000	816,000
12	934,000	887,000	830,000	797,000	805,000	835,000	892,000	938,000	941,000	917,000	853,000	815,000
13	933,000	885,000	829,000	797,000	806,000	837,000	894,000	939,000	940,000	916,000	851,000	814,000
14	932,000	884,000	828,000	798,000	807,000	840,000	896,000	940,000	939,000	914,000	849,000	813,000
15	930,000	882,000	828,000	798,000	809,000	842,000	897,000	941,000	939,000	912,000	847,000	813,000
16	930,000	880,000	827,000	798,000	809,000	844,000	899,000	942,000	939,000	910,000	845,000	814,000
17	928,000	878,000	825,000	798,000	810,000	846,000	901,000	943,000	938,000	907,000	843,000	814,000
18	927,000	875,000	823,000	797,000	811,000	848,000	902,000	943,000	938,000	906,000	841,000	815,000
19	927,000	873,000	821,000	797,000	812,000	850,000	903,000	943,000	937,000	904,000	839,000	815,000
20	925,000	871,000	819,000	797,000	812,000	853,000	904,000	944,000	937,000	902,000	838,000	815,000
21	924,000	871,000	817,000	797,000	813,000	855,000	907,000	945,000	936,000	900,000	836,000	816,000
22	922,000	869,000	816,000	796,000	816,000	857,000	908,000	945,000	936,000	899,000	834,000	816,000
23	921,000	867,000	813,000	796,000	815,000	859,000	910,000	944,000	935,000	897,000	832,000	813,000
24	919,000	864,000	812,000	796,000	817,000	860,000	911,000	944,000	935,000	895,000	829,000	810,000
25	917,000	862,000	809,000	796,000	818,000	862,000	913,000	944,000	934,000	893,000	829,000	807,000
26	916,000	860,000	810,000	796,000	820,000	866,000	914,000	944,000	934,000	891,000	829,000	806,000
27	914,000	858,000	809,000	796,000	820,000	868,000	916,000	944,000	933,000	889,000	830,000	805,000
28	912,000	856,000	807,000	795,000	821,000	869,000	917,000	944,000	934,000	887,000	830,000	803,000
29	910,000	854,000	806,000	795,000	---	870,000	919,000	944,000	934,000	885,000	830,000	800,000
30	908,000	854,000	804,000	793,000	---	872,000	921,000	945,000	934,000	883,000	829,000	797,000
31	905,000	---	803,000	793,000	---	873,000	---	945,000	---	881,000	829,000	---
<b>Max</b>	944,000	904,000	851,000	801,000	821,000	873,000	921,000	945,000	945,000	933,000	879,000	828,000
<b>Min</b>	905,000	854,000	803,000	793,000	790,000	821,000	875,000	922,000	933,000	881,000	829,000	797,000
<b>Elevation, in feet, at end of month</b>	4,484.88	4,482.79	4,480.65	4,480.23	4,481.40	4,483.57	4,485.49	4,486.46	4,486.03	4,483.87	4,481.73	4,480.42
<b>Change in contents, in acre-feet</b>	-40,000	-51,000	-51,000	-10,000	+28,000	+52,000	+48,000	+24,000	-11,000	-53,000	-52,000	-32,000

	Calendar Year 2006	Water Year 2007
<b>Max</b>	1,120,000	945,000
<b>Min</b>	803,000	790,000
<b>Change in contents, in acre-feet</b>	-110,000	-148,000

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