

11399000 LAKE ALMANOR AT PRATTVILLE, CA

LOCATION.—Lat 40°12'46", long 121°09'43", in SW 1/4 NE 1/4 sec.11, T.27 N., R.7 E., Plumas County, 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 Canyondam.

DRAINAGE AREA.—491 mi².

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.—Nonrecording gage read once daily. Datum of gage is 10.23 ft below sea level (levels by Pacific Gas & Electric Co.). Prior to June 1, 1965, nonrecording gage at site 4.7 mi southeast at same datum.

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.

COOPERATION.—Records were collected by Pacific Gas & Electric Co., under general supervision of the U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project. Contents not rounded to U.S. Geological Survey standards.

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, 839,813 acre-ft, Oct. 1, 2, gage height, 4,482.20 ft; minimum, 662,618 acre-ft, Sept. 30, gage height, 4,474.55 ft.

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

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	94,531	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						

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	839813	796688	749829	724501	686041	690549	729101	768463	791961	766119	719918	679380
2	839813	794322	752144	722207	686041	690549	731407	768463	791961	763780	717633	679745
3	837399	791961	752144	719918	686041	692783	733718	770811	791961	763780	717633	680156
4	834989	789604	752144	719918	686041	692783	733718	773164	791961	761444	717633	680492
5	832584	789604	752144	717633	683788	697262	736030	773164	789604	759113	717633	680763
6	830182	787252	752144	715353	683788	699509	736030	775520	789604	756786	715353	680913
7	830182	787252	752144	713076	683788	699509	738319	775520	787252	756786	713076	681166
8	827784	784903	747519	713076	683788	699509	738319	777881	787252	756786	710804	681446
9	827784	784903	745213	710804	686041	699509	740613	780218	787252	754463	710804	681605
10	825388	782558	742911	710804	686041	701759	740613	780218	787252	752144	710710	682055
11	825388	782558	740613	710804	688298	704014	742911	782558	787252	752144	709462	682485
12	822974	780218	740613	708537	688298	704014	742911	782558	784903	749829	709132	683104
13	820564	775520	740613	706273	688298	706273	745213	782558	782558	747519	708612	683741
14	818158	770811	740613	706273	688298	706273	745213	784903	782558	747519	706763	684266
15	815756	768463	738319	704014	686041	708537	745213	784903	782558	745213	704598	684857
16	813358	766119	738319	701759	686041	708537	747519	787252	782558	742911	702558	685496
17	810964	763780	736030	701759	688298	710804	747519	787252	784903	742911	700212	685524
18	810964	761444	733718	699509	688298	713076	749829	787252	782558	742911	698348	684154
19	808574	761444	733718	697262	690549	713076	752144	787252	780218	740613	696861	683048
20	808574	761444	733718	697262	690549	713076	754463	789604	780218	738319	694657	681587
21	808574	761444	733718	695020	690549	715353	754463	789604	777881	738319	692448	679679
22	806189	759113	731407	692783	692783	715353	756786	791961	775520	736030	690352	677477
23	806189	759113	731407	692783	692783	717633	756786	791961	775520	736030	688232	674720
24	803807	759113	731407	692783	692783	719918	759113	791961	775520	733718	686407	672341
25	803807	759113	731407	692783	692783	722207	759113	794322	773164	731407	685045	671293
26	801430	759113	729101	692783	690549	724501	761444	794322	773164	731407	684294	669708
27	799057	756786	729101	692783	690549	724501	763780	794322	770811	729101	683207	667368
28	799057	754463	729101	690549	690549	724501	763780	794322	770811	726799	681615	665770
29	801430	754463	726799	690549	---	726799	766119	796688	768463	724501	679960	664193
30	799057	752144	726799	688298	---	726799	768463	794322	768463	724501	678960	662618
31	799057	---	724501	688298	---	729101	---	794322	---	722207	679007	---
MAX	839813	796688	752144	724501	692783	729101	768463	796688	791961	766119	719918	685524
MIN	799057	752144	724501	688298	683788	690549	729101	768463	768463	722207	678960	662618
a	4480.50	4478.50	4477.30	4475.70	4475.80	4477.50	4479.20	4480.30	4479.20	4470.20	4475.31	4474.57
b	-43657	-46913	-27643	-36203	+2251	+38552	+39362	+25859	-25859	-46256	-43200	-16389

CAL YR 2000 MAX 1090522 MIN 724501 b -104242
WTR YR 2001 MAX 839813 MIN 662618 b -180096

a Gage height, in feet, at end of month.
b Change in contents, in acre-feet.