

## 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 Canyon Dam.

DRAINAGE AREA.—491 mi<sup>2</sup>.

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 Federal Energy Regulatory Commission project no. 2105. 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, 909,943 acre-ft, June 30, gage height, 4,485.06 ft; minimum, 604,959 acre-ft, Nov. 9, 10, gage height, 4,471.89 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	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						

## RESERVOIR STORAGE, ACRE-FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

## DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	659522	610473	622452	647693	693454	729792	773635	839330	893318	908947	878539	832584
2	657541	609411	626333	651622	694349	730715	775284	840779	895051	908947	877308	830182
3	655126	609198	626765	653592	695244	732100	777172	842472	895794	908449	876816	827305
4	652716	609198	627629	655565	696141	733255	780218	843683	895051	908698	875832	823939
5	650311	608561	628928	658201	697038	735338	782324	845864	895299	909196	873867	821527
6	647693	607076	629794	661064	697711	736716	784434	847806	894804	908449	872394	819360
7	645952	606017	630227	663493	700183	739466	786782	849508	895051	907454	870433	817196
8	643535	605171	630444	665484	700859	741072	788663	851445	895299	905963	869209	816716
9	642218	604959	630661	667478	701759	742451	791490	853139	895794	904969	867741	814556
10	640903	604959	630661	669699	702435	744752	794322	854835	896290	902984	866518	811921
11	639372	605806	630227	670588	703112	746596	796688	856776	897282	901002	865297	810964
12	637842	608349	630661	672146	704014	748443	799294	858233	897530	899019	865541	808574
13	636751	609198	632397	673483	704917	750292	801905	859692	898522	898522	865297	806666
14	635007	610048	634137	674599	705821	751218	805236	861639	899019	897778	863589	804283
15	633267	610899	633049	675939	706952	752144	807858	863101	900011	896786	862126	801905
16	631529	611750	632397	676833	707857	753535	810486	865053	900754	895547	859692	799294
17	629794	612602	632832	677728	709443	754463	812400	867007	901497	894061	858233	797161
18	628062	613455	633484	678624	710351	755391	813837	868719	901993	893071	856776	794795
19	626333	614308	634137	679520	713304	756321	815756	871413	902984	891341	855078	792669
20	625038	614522	636751	680866	715353	757483	817677	873867	903480	890600	853623	790547
21	623313	615590	637187	682214	717177	758647	819120	875341	904225	889612	851929	788192
22	621592	615590	638061	683113	717405	760278	820805	876324	905218	888378	850236	785842
23	619659	615590	638497	684013	721062	761911	822492	878293	905714	887146	848535	783730
24	619016	617944	638716	684914	722895	763312	824422	879771	906460	886161	846835	781621
25	619230	617730	639372	685815	724730	764481	826587	880752	907205	884930	845137	779282
26	617515	617515	638934	688297	725649	765651	829223	882225	907952	883208	843199	777172
27	615804	616873	639153	689202	727259	767056	832103	883700	908449	882962	841989	774813
28	614522	618372	640903	690326	727949	767994	834027	885914	908947	882717	841021	772693
29	614308	619445	641999	691219	---	769402	835953	887885	909445	881489	838847	770341
30	613455	619874	644193	691889	---	770811	837882	889859	909943	880998	836435	767994
31	611963	---	645732	692783	---	772222	---	891835	---	879771	834749	---
MAX	659522	619874	645732	692783	727949	772222	837882	891835	909943	909196	878539	832584
MIN	611963	604959	622452	647693	693454	729792	773635	839330	893318	879771	834749	767994
a	4472.22	4472.59	4473.78	4475.90	4477.45	4479.36	4482.12	4484.33	4485.06	4483.84	4481.99	4479.19
b	-50655	+7611	+25858	+47051	+35166	+44273	+65660	+53953	+18108	-30172	-45022	-66755

CAL YR 2001 MAX 796688 MIN 604959 b -78769  
WTR YR 2002 MAX 909943 MIN 604959 b +105376

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