

## 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, 1,174,887 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, 1,109,782 acre-ft, June 16, gage height, 4,492.77 ft; minimum, 821,074 acre-ft, Jan. 16, gage height, 4,481.42 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	4,434	49,510	4,460	376,686
4,424	10,067	4,437	74,189	4,470	565,519
4,426	11,260	4,440	101,869	4,480	787,304
4,428	13,480	4,445	156,414	4,490	1,036,269
4,430	21,200	4,450	220,848	4,495.5	1,183,835
4,432	34,173	4,455	94,531		

## RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

## DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	951399	924945	903487	839832	860444	883952	954439	1012757	1080914	1102002	1053617	974781
2	948362	922190	903735	838383	860200	888634	956214	1015619	1084914	1100128	1050978	975293
3	945834	919438	905475	837418	860444	892091	957229	1017963	1088923	1101199	1048869	976317
4	943308	916439	903984	835731	860444	895306	958498	1019527	1091853	1100664	1046500	976830
5	940785	913194	903239	833803	863125	898525	960785	1020831	1093985	1098257	1042982	977599
6	938516	912446	901501	832840	867030	901005	962565	1022657	1096654	1096921	1040197	978624
7	937005	911698	899021	830675	870208	903487	964092	1024746	1098806	1095853	1037316	978624
8	935494	911698	897286	829713	873391	905972	968170	1026314	1100931	1093027	1034165	977599
9	933984	909456	894069	829232	878297	909954	969701	1028668	1102994	1091415	1032850	977599
10	931973	908211	891597	828992	878297	911698	971745	1030761	1104949	1091146	1030487	976830
11	929963	905475	888881	828031	877560	913693	973535	1031809	1107096	1088215	1028652	976573
12	927955	902494	886415	826110	877560	915690	974814	1032071	1107096	1087854	1025771	975805
13	926199	899764	883706	822991	878542	917438	977120	1032071	1108707	1084381	1022633	974781
14	924945	899021	881737	822512	880754	919438	978658	1032071	1108976	1081980	1019761	973502
15	923192	896543	879279	822033	881983	921189	980967	1033381	1109244	1082513	1017155	972735
16	920188	894069	878051	821074	882229	923192	982509	1032857	1109782	1080381	1014292	970946
17	918438	892832	876333	824190	881737	923442	984308	1034168	1108976	1078251	1011953	969159
18	919688	890115	873636	826830	882229	925697	986367	1036528	1108438	1075858	1008061	968904
19	920438	887401	870942	831637	881000	927453	987654	1038891	1108170	1075061	1005730	967119
20	921438	884444	868252	834767	881000	930214	990231	1042044	1107901	1075326	1002110	966101
21	922941	881983	865565	837177	880016	931973	992294	1044410	1107633	1073998	1000045	964319
22	923943	881983	861418	840314	877560	934488	994875	1045200	1107364	1072671	996933	963810
23	925196	884937	860687	844907	875842	936501	996167	1048622	1106291	1071611	993308	961777
24	927704	888141	860931	847086	874616	939524	999011	1052577	1104145	1069490	991240	962793
25	928708	888141	854363	849267	874126	941542	1000046	1056008	1104345	1069755	988916	961777
26	930214	891597	850964	850964	875842	943308	1003412	1060500	1103073	1068166	986853	960761
27	931470	893821	848297	852905	877560	945076	1005486	1064204	1103264	1065786	983248	959746
28	932476	893574	845875	853877	881000	946592	1008080	1068444	1103609	1063672	980678	959239
29	933733	895553	842489	854849	---	948109	1008859	1071363	1103073	1061820	978624	957971
30	930968	902990	840314	856307	---	950385	1014418	1075348	1103073	1059435	976061	957211
31	928206	---	839107	857523	---	952665	---	1078539	---	1056755	975549	---
MAX	951399	924945	905475	857523	882229	952665	1014418	1078539	1109782	1102002	1053617	978624
MIN	918438	881983	839107	821074	860200	883952	954439	1012757	1080914	1056755	975549	957211
a	4485.79	4484.78	4482.17	4482.93	4483.89	4486.76	4489.01	4491.60	4492.52	4490.77	4487.66	4486.94
b	-24966	-25216	-63883	+18416	+23477	+71665	+61753	+64121	+24534	-46318	-81206	-18338

CAL YR 1998 MAX 1123508 MIN 625736 b +214881

WTR YR 1999 MAX 1109782 MIN 821074 b +4039

a Gage height, in feet, at end of month.

b Change in contents, in acre-feet.