

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 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, 1,090,522 acre-ft, June 8, 11, 13, gage height, 4,492.05 ft; minimum, 823,457 acre-ft, Jan. 7, gage height, 4,481.52 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 1999 TO SEPTEMBER 2000

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	954173	933208	880507	828743	869209	934717	974269	1042296	1085716	1058111	982219	903480
2	955438	930195	878293	827545	870188	936983	975549	1045448	1086517	1056259	979394	901745
3	956198	926937	875586	827066	872149	936479	975549	1048079	1087052	1054145	976317	896538
4	955185	924185	872640	825630	872640	935723	975599	1050978	1087052	1051241	972735	894308
5	955438	920688	870188	824664	873867	934968	979908	1053088	1087586	1048869	970691	892824
6	956957	917933	867496	824905	874112	935723	981705	1055995	1088121	1047290	967629	889859
7	957717	915182	865053	823457	874358	937738	984020	1058376	1087854	1045448	965082	887639
8	958985	913683	862858	824664	872885	939756	986337	1062085	1090522	1043609	962031	885422
9	959746	911438	860665	825888	872640	943798	988142	1064200	1090255	1040460	958731	884192
10	960761	909196	858476	826587	875095	945317	990206	1066843	1089989	1038101	955691	883946
11	959239	906708	856048	829462	877554	947090	993049	1068961	1090522	1036269	952910	881734
12	959746	904721	853866	829462	879525	948611	995379	1069755	1090255	1033376	949880	881243
13	960507	901993	852655	829223	884192	950889	999268	1070815	1090522	1031537	946583	879525
14	961523	901250	850236	830662	888378	952152	1002627	1072406	1089989	1028652	944810	878293
15	961777	898771	849508	831623	891835	953921	1005471	1073733	1088923	1025509	941271	875832
16	959492	898026	849021	835953	895299	955185	1008839	1074795	1085983	1022110	937234	873867
17	958985	897034	847564	837882	898026	956704	1012732	1075061	1084647	1020544	934968	873130
18	958985	895051	845622	840296	899764	958985	1015072	1076124	1083580	1016894	934465	871413
19	956198	894556	843925	842957	902489	961015	1018457	1076389	1081447	1015072	933208	869698
20	953921	893813	842957	844895	904969	963047	1021588	1076655	1079848	1013252	932454	868964
21	952657	891094	840296	846835	907703	964573	1024724	1076389	1077985	1010135	932706	865053
22	952152	888625	838605	848049	912186	966101	1027603	1076921	1076655	1008061	932957	861639
23	950637	886407	837882	850719	914932	966610	1030225	1076655	1075061	1005730	930446	858233
24	949372	883700	837640	855078	916682	967374	1032325	1076389	1073733	1003919	927688	855563
25	947597	884930	836676	856776	918934	967629	1033113	1078783	1072937	1001335	923935	852655
26	945823	885176	834749	858476	923435	968649	1034427	1080381	1071080	997452	920688	849994
27	948357	885914	833305	859935	927939	968904	1034427	1080381	1069490	995120	918684	846835
28	944557	883454	832103	860909	930446	969925	1036792	1081713	1067373	992273	915931	844168
29	941776	880998	829942	862370	932957	970946	1039149	1083046	1064729	990465	912186	844410
30	938747	882471	829942	866274	---	971457	1039935	1084114	1062085	987884	908698	842714
31	936227	---	828743	867741	---	972735	---	1084647	---	984792	906957	---
MAX	961777	933208	880507	867741	932957	972735	1039935	1084647	1090522	1058111	982219	903480
MIN	936227	880998	828743	823457	869209	934717	974269	1042296	1062085	984792	906957	842714
a	4486.11	4483.95	4481.74	4483.35	4485.98	4487.55	4490.14	4491.83	4490.98	4488.02	4484.94	4482.32
b	-20984	-53756	-53728	+38998	+65216	+39778	+67200	+44712	-22562	-77293	-77835	-64243
CAL YR 1999	MAX 1109782	MIN 821074	b -10364									
WTR YR 2000	MAX 1090522	MIN 823457	b -114497									

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