

11399000 LAKE ALMANOR AT PRATTVILLE, CA

LOCATION (REVISED).--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 National Geodetic Vertical Datum of 1929 (levels by Pacific Gas and 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. Capacity, 1,183,835 acre-ft between gage heights 4,495.5 ft, upper storage limit and 4,422 ft, bottom of lowest outlet, of which 8,948 acre-ft is not available for release. Water is diverted by tunnel and penstock to Butt Valley powerplant and reservoir for use in Caribou powerplants; some water also released down North Fork Feather River (station 11399500). Figures given herein, including extremes, represent total contents at 2400 hours. See schematic diagram of North Fork Feather River basin.

COOPERATION.--Records were collected by Pacific Gas and Electric Co., under general supervision of the Geological Survey, in connection with a Federal Energy Regulatory Commission Project. Contents not rounded to Geological Survey standards.

EXTREMES (at 2400) 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 (at 2400) FOR CURRENT YEAR.--Maximum contents, 921,439 acre-ft, Oct. 1, gage height, 4,485.52 ft; minimum, 635,700 acre-ft, Sept. 30, gage height, 4,473.32 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

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	294,531		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	921439	898029	904481	862393	813900	762197	712934	765464	771311	747565	673551	649677
2	919938	899021	904729	860200	814138	760333	713616	765231	772952	745252	671103	650555
3	918188	899764	903487	858496	813661	758005	715209	765464	772952	743405	668659	651214
4	917438	900012	901749	856793	811036	756145	717031	765231	772248	741328	666219	652093
5	916689	897286	901501	854606	813183	755912	719082	765698	771780	739023	663782	651653
6	915939	899021	899764	852905	807223	753822	721136	765930	771545	736031	661128	650994
7	915190	897782	898277	851935	808176	752894	723191	766866	770609	737332	659361	651433
8	914192	897782	897039	851692	810559	752666	725478	767100	770843	731436	656934	655833
9	912696	896791	895306	853148	811513	749880	727996	767567	770140	729142	654292	657375
10	911948	899021	894563	852177	810797	748491	730059	767100	768502	726851	651433	658257
11	910951	901253	893821	850479	808414	746177	732583	768269	766866	724563	648800	658919
12	908958	904481	891844	848297	806271	743405	734881	769906	766398	722049	647047	652361
13	907216	907713	890362	846602	804129	740406	736951	770140	765464	719994	647923	660244
14	906967	908958	888881	844655	801990	737872	739253	770843	764764	717031	648361	660907
15	904481	910701	889621	842972	799853	734881	742251	770609	763830	714526	649019	660686
16	903984	912197	889375	841522	797480	732354	744790	770374	762430	712025	649458	658257
17	902494	910701	888881	839832	795346	730059	747333	770843	761265	709526	650116	656714
18	902742	909705	886908	837660	792978	728226	749880	771780	761032	706578	650775	655392
19	903984	908211	885183	836454	791085	726622	751966	771077	760100	704540	650336	652972
20	905226	907962	883706	834526	787304	725021	754054	769672	759634	701825	649897	650775
21	905972	906967	882475	833081	784001	724563	756377	769906	758238	699565	649458	649238
22	905972	905972	881000	831396	781409	722963	758238	769906	758703	697308	649677	647047
23	904481	903984	879034	829473	778586	721364	760100	769672	758703	695730	649458	646171
24	903239	904978	877069	827791	776002	722963	760566	769204	757540	693478	650116	644421
25	901253	903735	875107	826590	773186	723191	759634	770609	756377	690778	650555	643983
26	901253	901997	873881	824670	770374	725478	760799	772014	754751	688530	650336	642017
27	901253	903487	871677	822991	767567	724334	762663	771780	753358	686288	649897	640272
28	902742	904978	869964	821553	764530	722049	764063	771311	751734	683823	649238	639619
29	901997	905475	868007	820595	---	719994	764297	771545	750112	680914	648800	637440
30	901005	905972	866297	817245	---	717486	764764	770843	748491	678457	648581	635700
31	899269	---	864100	815572	---	714754	---	770374	---	675556	649019	---
MAX	921439	912197	904729	862393	814138	762197	764764	772014	772952	747565	673551	660907
MIN	899269	896791	864100	815572	764530	714754	712934	765231	748491	675556	647047	635700
a	4484.63	4484.90	4483.20	4481.19	4479.03	4476.87	4479.04	4479.28	4478.34	4475.13	4473.93	4473.32
b	-24171	+6703	-41872	-48528	-51042	-49776	+50010	+5610	-21883	-72935	-26537	-13319

CAL YR 1984 b -104320
WTR YR 1985 b -287740

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