

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.².

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 (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, 1,073,750 acre-ft, June 22, gage height, 4,491.42 ft; minimum, 669,320 acre-ft, Mar. 6, gage height, 4,474.85 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	294,531		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	738100	701140	689650	690550	688750	682030	778350	877310	1027880	1062880	994350	909700
2	736030	698880	689650	691450	686730	678450	781400	881730	1033640	1060760	991770	907960
3	734420	697530	688980	691450	684710	675330	784470	887400	1038100	1058640	988940	906220
4	734880	696630	686730	691900	683590	671540	787770	893320	1043350	1057060	986360	904230
5	733040	698400	686510	692120	681360	670650	790840	898270	1047300	1054680	983530	902240
6	730740	695730	688980	692350	679350	669320	793680	903980	1050990	1053100	980960	901000
7	728450	696630	688750	690320	677340	670650	796530	908460	1054160	1050730	977630	899260
8	727530	696630	689880	689200	676440	671990	801270	913190	1058640	1048880	974810	893570
9	725020	696180	691450	689430	677560	673320	804840	917930	1061550	1046510	971740	891350
10	723420	695270	695270	689880	677560	674880	808890	922690	1064200	1044410	968420	888630
11	721360	694600	696630	690100	679120	676440	811270	927700	1067110	1042300	966130	885420
12	719310	694370	697980	689430	679570	678680	814610	935240	1067110	1039940	963580	882220
13	717250	693920	698880	686510	678450	680460	817960	939020	1068970	1037570	961030	878290
14	715890	693920	697080	685390	677560	683370	820830	943050	1070030	1035210	957990	876080
15	713610	694600	695500	686060	675550	686730	823710	947600	1071090	1032590	955960	873880
16	712250	694150	695500	687850	673770	691670	826830	951390	1071620	1030500	953420	871180
17	710880	693700	694600	687410	674880	699110	831630	955960	1071360	1027880	950630	869230
18	711110	692800	693470	684040	675770	705670	834760	959510	1072420	1026050	947350	866780
19	709070	693020	692800	683590	680240	712470	837900	964090	1072690	1022910	943300	866780
20	707710	692120	692350	687850	681130	717480	840790	968170	1073480	1021870	940780	864830
21	706570	693470	691000	690770	683150	722270	843940	972250	1072950	1019780	938010	863850
22	705440	693920	689650	692120	684040	726850	846600	976860	1073750	1017180	934730	861900
23	703180	693020	687850	693020	687180	734650	849750	980450	1072690	1015090	931720	860440
24	704540	691900	686730	694370	690550	742020	852660	984560	1071890	1013010	928950	858490
25	704760	691000	686960	694820	688080	748490	855090	989450	1070830	1010670	926700	856300
26	703400	691000	686730	695950	688750	753590	858730	994870	1069500	1008340	923940	854360
27	702720	690770	685840	696400	687180	758230	862140	1000560	1068700	1006520	921940	852900
28	702050	690550	687850	697080	684940	762190	865320	1004700	1067910	1003410	919430	850720
29	701590	690550	688750	696180	---	765930	869230	1008850	1066850	1000560	917680	849020
30	703630	690100	686510	693470	---	769900	873140	1013010	1065260	998750	915190	847080
31	702720	---	687850	691000	---	774350	---	1021870	---	996940	911940	---
MAX	738100	701140	698880	697080	690550	774350	873140	1021870	1073750	1062880	994350	909700
MIN	701590	690100	685840	683590	673770	669320	778350	877310	1027880	996940	911940	847080
a	4476.34	4475.78	4475.68	4475.82	4475.55	4479.45	4483.57	4489.45	4491.10	4488.49	4485.14	4482.50
b	-36764	-12620	-2250	+3150	-6060	+89410	+98790	+148730	+43390	-68320	-85000	-64860
CAL YR 1992	MAX	871187	MIN	685840	b	-8556						
WTR YR 1993	MAX	1073750	MIN	669320	b	+107596						

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

b Change in contents, in acre-feet.