

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, 1,174,887 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, 1,137,013 acre-ft, July 9, 10, gage height, 4,493.78 ft; minimum, 695,054 acre-ft, Dec. 31, gage height, 4,476.00 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 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	754983	708165	713844	695730	796768	847086	972000	1014318	1099877	1131606	1103093	1018223
2	752662	708619	713616	696181	801277	850479	971234	1023963	1102557	1132417	1100145	1014578
3	750575	708619	717714	697308	805081	853877	970212	1031285	1105774	1133228	1095597	1011977
4	749648	709299	720907	697534	808414	856793	969191	1036528	1107384	1133498	1093193	1009379
5	748259	711797	719538	699791	811036	858983	969191	1039941	1110067	1134650	1090791	1007042
6	745946	714526	718854	701599	814138	861906	969957	1043621	1111677	1135120	1087592	1003671
7	744328	714754	717714	706805	816767	863612	973023	1045989	1112483	1135931	1085194	1000823
8	741328	714981	715436	713844	819638	867519	976351	1047306	1112751	1136743	1081999	998494
9	739023	719766	713616	722277	821553	883213	978658	1048622	1113825	1137013	1078805	995909
10	737181	718854	712479	728455	824190	902990	980197	1051522	1113825	1137013	1075614	993326
11	735341	719082	713389	732583	826110	913444	980454	1052049	1115168	1136472	1073222	994101
12	733962	719538	712479	735341	827550	920438	980197	1054424	1117318	1135391	1070036	990746
13	732124	719310	711116	741789	831156	926951	982509	1056272	1117318	1134850	1067914	987912
14	730289	718170	708619	748028	833081	933481	982766	1058385	1118931	1134309	1065264	984308
15	727996	717942	707258	752662	835008	938264	983794	1059442	1122969	1133498	1062087	981738
16	726393	717714	706351	755680	836213	942046	984308	1060764	1125395	1135120	1058914	980197
17	724563	716803	704766	757540	836936	945581	984051	1061558	1125126	1134039	1056008	978401
18	723191	714981	705898	760333	836454	950386	983537	1063145	1125935	1133498	1053104	976607
19	721821	713616	704540	762663	835490	953932	983023	1065528	1125395	1132687	1050467	974047
20	719766	714071	703408	764297	834767	961802	981995	1068179	1127824	1130255	1047832	973535
21	717714	713389	702277	766632	834526	966130	980454	1070301	1128094	1127284	1045200	969957
22	716347	712479	701147	769906	836213	974047	981224	1073222	1128094	1125395	1042569	967405
23	715436	711343	698888	772952	836695	980454	980967	1075614	1127824	1123238	1037315	964856
24	714071	712025	699114	775767	838625	981738	979941	1079071	1127554	1121891	1033381	962819
25	713389	714754	699565	777411	840073	981738	979171	1081733	1127824	1119469	1031285	960276
26	711797	714981	698888	779997	841764	979171	978401	1084395	1128364	1117318	1027883	957991
27	708846	715436	697985	781645	843698	977120	979427	1087059	1128904	1114900	1025007	955707
28	707938	715209	697985	783529	844665	976607	980454	1089724	1129715	1112483	1022135	953425
29	707712	713844	697083	785180	---	974814	989973	1092659	1130255	1110335	1020309	952919
30	708619	715664	696181	787304	---	974047	988235	1095330	1130796	1107384	1019787	953932
31	707485	---	695054	791558	---	972767	---	1097736	---	1104970	1019266	---
MAX	754983	719766	720907	791558	844665	981738	998235	1097736	1130796	1137013	1103093	1018223
MIN	707485	708165	695054	695730	796768	847086	969191	1014318	1099877	1104970	1019266	952919
a	4476.55	4476.91	4476.00	4480.18	4482.40	4487.55	4488.54	4492.32	4493.55	4492.59	4489.35	4486.81
b	-49125	+8179	-20610	+96504	+53107	+128102	+25468	+99501	+33060	-25826	-85704	-65334

CAL YR 1994 MAX 887894 MIN 695054 b +1351
WTR YR 1995 MAX 1137013 MIN 695054 b +197322

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