

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, 1,123,508 acre-ft, July 11, gage height, 4,493.28 ft; minimum, 624,226 acre-ft, Dec. 31, gage height, 4,472.79 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 1997 TO SEPTEMBER 1998  
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811990	748722	698211	625736	711570	784001	852663	920939	1066588	1116243	1095864	1019266
2	810797	746177	695730	628761	717258	784944	855578	927202	1068179	1118124	1093460	1016660
3	809844	743405	693478	630493	723191	784237	858496	932224	1070036	1119738	1091324	1013537
4	808652	742712	690329	633963	726622	782351	861175	937508	1072691	1120814	1088924	1010937
5	806985	742712	688308	635048	730518	784237	863856	942803	1077209	1121353	1086526	1008080
6	805557	742712	685616	635266	735571	786124	866053	948362	1080136	1122700	1083596	1006005
7	802941	735111	686288	638311	739945	787304	868741	953679	1083596	1122700	1081733	1002894
8	801277	732124	685616	648361	741097	787068	868985	959006	1087592	1122700	1079604	1000046
9	800802	730747	684271	641581	745484	786124	871432	970212	1089724	1123238	1077209	997201
10	799615	728455	682928	643328	746640	785652	872411	975839	1095062	1122969	1075348	994101
11	797006	725936	679350	646171	746640	784237	874371	980711	1099074	1123508	1073222	991262
12	795109	722963	676225	649677	752662	782822	877069	986109	1101217	1122969	1071628	988684
13	792505	720907	673551	652093	754519	782587	876578	990746	1104165	1121084	1069240	986109
14	790376	718170	671993	656053	758703	783058	876578	994617	1106847	1120545	1066853	982766
15	788249	715892	669103	658699	760100	783765	878788	998753	1109262	1119200	1063675	980197
16	786360	713844	666662	662012	762430	786360	879771	1003153	1110335	1118124	1059442	977888
17	784472	712252	664668	667106	764063	788721	881491	1006783	1111677	1116780	1058914	973791
18	781880	711116	662233	673551	765931	791085	882721	1010677	1111141	1115974	1056536	971489
19	779762	711343	659140	678680	768970	792505	884198	1013537	1112751	1113825	1053368	968170
20	777646	709526	656714	681585	770374	794399	885922	1016921	1114094	1113825	1049940	965111
21	775297	707485	654292	684495	774828	797006	886169	1021874	1115168	1114631	1047042	962310
22	772952	705898	650555	686737	776471	803416	888634	1025791	1115974	1112751	1044410	960022
23	770843	707258	647704	689206	778351	811274	890856	1029453	1115437	1111677	1041781	959768
24	768035	708165	645077	690554	780938	818920	895058	1033381	1115437	1111141	1039416	957483
25	765698	709073	641363	693478	782351	825150	897782	1039416	1114094	1108725	1036791	958752
26	763363	710435	638747	696181	783765	829713	901501	1044937	1113825	1107384	1034168	957483
27	760799	706578	635918	698211	784944	836213	905226	1049676	1114631	1106579	1034430	957737
28	758936	704992	633311	700469	784708	840073	908709	1053104	1114900	1103897	1028144	956214
29	756842	702503	630060	703860	---	843940	912197	1057064	1115974	1102288	1026314	954693
30	754286	700469	626815	706125	---	847086	916439	1060764	1115974	1099877	1022918	953172
31	751270	---	624226	707938	---	850721	---	1064204	---	1098271	1021874	---
MAX	811990	748722	698211	707938	784944	850721	916439	1064204	1115974	1123508	1095864	1019266
MIN	751270	700469	624226	625736	711570	782351	852663	920939	1066588	1098271	1021874	953172
a	4478.46	4476.24	4472.79	4476.57	4479.89	4482.65	4485.32	4491.06	4493.00	4492.34	4489.45	4486.78
b	-62391	-50801	-76243	+83712	+76770	+66013	+65718	+147765	+51770	-17703	-76397	-68702

CAL YR 1997 MAX 968680 MIN 624226 b -249165  
WTR YR 1998 MAX 1123508 MIN 624226 b +139511

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