

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 National Geodetic Vertical Datum of 1929 (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 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 & 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, 886,662 acre-ft, July 8, gage height, 4,484.12 ft; minimum, 684,271 acre-ft, Dec. 27, gage height, 4,475.52 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	294,531		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990  
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	799853	779299	732813	688083	727996	754751	797480	835731	869964	884444	857036	812229
2	800090	777416	730518	688757	728684	756145	798666	836454	871187	884690	855092	811274
3	800090	775064	727767	688981	731665	757307	799853	837418	872411	884937	853148	811274
4	800802	773192	726622	689880	732354	758936	801040	838142	873391	884937	851449	809605
5	801752	771319	724334	691003	733272	760100	803178	838142	874371	885183	851692	808176
6	802228	768979	722049	691658	733732	761032	805319	838625	874862	885429	850236	806509
7	803178	766873	719766	694604	734651	762197	806271	839590	875597	885922	847813	804843
8	803185	765000	717714	696632	735571	763363	807461	840073	875107	886662	845633	804367
9	800565	763365	716119	698211	736491	765231	809129	841039	875842	885183	843214	804129
10	798667	761498	712934	699565	736951	767100	809844	841522	876578	883459	841281	802941
11	796536	759401	711570	700469	737411	768736	811036	842006	876824	881245	839590	801515
12	794169	757540	708846	704766	738332	769672	812229	842489	877806	878788	839590	799378
13	791328	755448	707031	708619	739945	770843	814138	843456	878297	876578	837901	797480
14	789198	753822	704087	710207	739945	772483	815094	844181	879034	874126	835972	795346
15	787069	751039	702051	710889	740406	773655	816289	844665	879771	873146	835008	793688
16	784479	749417	699791	712934	743866	774593	817484	845391	880754	870208	832840	792032
17	782831	747102	696406	714981	743866	776002	818680	846117	881000	868252	830915	789667
18	780476	745252	694153	714981	745252	777176	820116	846359	882475	868007	828992	788249
19	778122	742943	692128	716119	746177	779056	821553	846602	881737	867030	829713	787304
20	776945	740636	690329	717486	746177	780468	823231	848539	880754	865565	828511	782587
21	779064	738793	687634	718398	749880	782116	823950	849024	880508	865320	826830	782587
22	781174	736721	686288	719310	751039	784001	824910	852420	880016	865809	825150	780938
23	785891	735111	684943	719994	752198	785416	827791	853391	881000	865565	823711	778821
24	788014	733272	684719	720679	753126	787304	829473	855335	881245	865809	822512	776941
25	789198	735571	685392	721821	754054	788485	830675	856307	881491	866053	818680	775532
26	789908	736721	684719	722049	754983	790139	831878	857523	882229	864588	818920	774124
27	788014	736491	684271	722734	752662	791795	833563	859470	882475	863125	818441	772483
28	785891	736951	684719	723191	753358	792741	835008	861662	882967	861662	817006	770140
29	785891	736491	685392	723649	---	793688	835008	862881	883459	862393	815094	767567
30	783537	733962	686288	726393	---	794399	835490	865320	883952	860687	814377	764997
31	782124	---	686513	727080	---	795583	---	868496	---	858253	813422	---
MAX	803185	779299	732813	727080	754983	795583	835490	868496	883952	886662	857036	812229
MIN	776945	733272	684271	688083	727996	754751	797480	835731	869964	858253	813422	764997
a	4479.78	4477.71	4475.62	4477.41	4478.55	4480.35	4482.02	4483.38	4484.01	4482.96	4481.10	4479.05
	-17016	-48162	-47449	+40567	+26278	+42225	+39907	+33006	+15456	-25999	-44831	-48425
CAL YR 1989	MAX 951652	MIN 657155	b +29579									
WTR YR 1990	MAX 886662	MIN 684271	b -34143									

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