

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, 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, 850,721 acre-ft, June 30, gage height, 4,482.65 ft; minimum, 669,770 acre-ft, Dec. 27, 28, gage height, 4,474.87.

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 1990 TO SEPTEMBER 1991  
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	762430	702729	694604	671771	693478	714298	763363	797006	837660	849267	810559	763596
2	759169	702955	695730	672216	696181	717714	764530	798666	839107	847813	808890	761032
3	756610	703408	694378	672438	697083	723420	764530	800090	839832	844665	807461	758703
4	753126	704087	693028	673551	699791	730059	765464	801515	841039	842489	807937	755680
5	750343	703182	692128	674442	700469	730977	768035	802465	841764	839590	805557	753358
6	747102	702503	690778	674888	701825	732124	770140	803178	842247	840556	803892	750343
7	744097	702277	688532	675779	702277	732124	771545	804605	843214	841039	801277	747102
8	741328	701599	689206	677118	703408	733732	772952	805795	844423	839349	799378	744097
9	738562	701599	689880	677564	703860	734651	774124	806747	845633	838866	797717	741328
10	735801	702503	690554	678903	704766	736721	775063	808414	846844	837418	796057	739023
11	733043	702729	690104	679573	705672	737181	775532	808890	847570	834767	796531	736261
12	730518	702955	688532	680691	706351	739484	776471	809844	848539	833803	794873	733272
13	728455	702503	687185	681809	707031	741097	778116	811752	849509	831156	792741	730747
14	726393	702955	685840	682480	707938	742020	779056	813661	849267	831156	792032	728226
15	724792	702503	685616	682704	708846	742020	780468	814377	849751	829713	792741	725478
16	722506	701825	684271	683599	709526	743405	782351	816289	849994	828031	793215	722963
17	721364	701373	683376	684047	709753	744790	783058	818202	850479	826350	794162	720223
18	719310	702729	681809	684719	710207	745484	784001	820356	849509	825150	794873	717714
19	717714	701147	680020	685392	711116	746640	784708	820835	848297	824190	793215	714981
20	715892	700017	679350	686064	711116	747565	785888	822512	847570	825390	790139	711570
21	713844	698211	677118	686737	710889	748491	787304	823950	846117	826830	790452	709299
22	712252	698888	677118	686961	710435	748954	788013	823950	846602	824910	790612	706578
23	710207	698888	677118	687634	711343	752430	788721	826830	846844	823711	788485	703634
24	708619	699565	677341	688083	711570	754751	790612	828752	846117	821553	786360	701599
25	707031	701373	675333	688981	711343	756145	791795	829953	846844	819638	783765	699565
26	704766	700017	670214	689430	711343	757772	792505	831637	846359	817963	780232	698888
27	705445	698662	669770	690554	712479	758470	793688	832600	847328	817006	776941	699791
28	705898	696857	669770	691003	713389	759401	794636	832600	848539	816289	774359	700017
29	704766	695279	670436	691228	---	760566	795346	834044	849509	815094	771545	700695
30	703634	694378	670881	692128	---	761265	795820	835490	850721	813183	769204	699114
31	702729	---	671326	692353	---	762197	---	836695	---	812229	765931	---
MAX	762430	704087	695730	692353	713389	762197	795820	836695	850721	849267	810559	763596
MIN	702729	694378	669770	671771	693478	714298	763363	797006	837660	812229	765931	698888
a	4476.34	4475.97	4474.94	4475.88	4476.81	4478.93	4480.36	4482.07	4482.65	4481.05	4479.09	4476.18
b	-62268	-8351	-23052	+21027	+21036	+48808	+33623	+40875	+14026	-38492	-46298	-66817
CAL YR 1990	MAX 886662	MIN 669770	b -15187									
WTR YR 1991	MAX 850721	MIN 669770	b -65883									

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