

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 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, 871,187 acre-ft, July 5, gage height, 4,483.49 ft; minimum, 671,548 acre-ft, Nov. 4, gage height, 4,474.95 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 1991 TO SEPTEMBER 1992
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	696181	672438	687634	697083	716575	757772	796294	843456	866786	869474	851935	798903
2	693703	673106	686737	697760	717486	758936	797954	844665	864832	870208	849509	796294
3	692578	672883	685840	698662	716803	760100	798666	845391	863612	870453	847086	793452
4	690104	671548	685616	699565	717714	761498	800090	846117	861906	870453	844665	790849
5	691228	672438	684719	702277	718398	764297	801277	846844	861662	871187	842731	788249
6	691003	673106	685167	703408	719538	765698	801752	847328	862149	869474	840798	785180
7	690104	673774	686064	704087	720451	767333	802941	848297	862637	867519	838625	782587
8	689206	674442	687185	703408	721592	768035	804129	849267	863125	865565	836695	779762
9	688532	675333	685167	703634	722506	767801	805557	850236	863368	864100	835490	777176
10	687859	675779	684495	703860	725021	768736	807223	851207	863125	862149	834285	774124
11	687859	676225	685616	704766	726393	769672	808890	851692	863368	862637	831878	771545
12	687859	677118	686064	705219	730059	770843	812229	852663	863856	863368	830675	768736
13	687859	677787	686961	705445	730977	771780	814855	853634	863856	861662	828992	765931
14	687185	678010	687410	706578	735341	772717	816528	854606	863856	860444	827310	763830
15	686513	678457	688083	707485	737641	775297	817723	855335	865320	858496	826350	761964
16	685392	678457	688757	708392	738562	776471	819877	857523	865076	857523	824670	759867
17	683823	680691	690104	709299	739023	777881	822752	858009	865320	856064	823231	758470
18	683152	681585	692353	709753	739484	779291	824670	858496	865565	856550	821314	756842
19	683823	682256	693478	709980	741789	780232	826590	858983	865320	856793	820116	756145
20	682704	683376	691228	710662	743174	781174	828271	859713	865809	854849	817245	755680
21	681585	684495	691903	711570	745484	782351	829713	860687	866297	853148	814855	753822
22	679350	684495	692578	711570	746640	783765	831156	861906	867030	850964	813900	752430
23	677341	685616	691228	711570	748722	784472	832600	862393	867030	849509	814138	749880
24	675779	685840	689655	710889	749648	785652	833563	863125	867519	850236	811274	747796
25	675779	685392	690554	711570	751502	787304	835249	863612	868252	850721	809367	746177
26	678010	686737	691003	712479	752662	788249	836213	864100	868985	850964	808414	745484
27	677787	686961	691228	712707	753822	789430	837418	864832	869230	851207	805795	744790
28	676225	687185	692803	713616	754982	790612	839349	865320	868985	851935	804367	743174
29	674219	687859	695054	714071	756145	791795	840798	864832	868496	852177	804129	741328
30	673774	688308	695730	714298	---	793452	841764	865320	869230	852420	803892	739484
31	673106	---	696406	715892	---	795109	---	866297	---	852663	801752	---
MAX	696181	688308	696406	715892	756145	795109	841764	866297	869230	871187	851935	798903
MIN	673106	671548	684495	697083	716575	757772	796294	843456	861662	849509	801752	739484
a	4475.02	4475.7	4476.06	4476.92	4478.67	4480.33	4482.28	4483.29	4483.41	4482.73	4480.61	4477.95
b	-26008	+15202	+8098	+19486	+40253	+38964	+46655	+24533	+2933	-16567	-50911	-62268
CAL YR 1991	MAX 850721	MIN 671548	b +25080									
WTR YR 1992	MAX 871187	MIN 671548	b +40370									

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

b Change in contents, in acre-feet.