

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 Canyondam.

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, 887,894 acre-ft, June 19, gage height, 4,484.17 ft; minimum, 693,703 acre-ft, Dec. 31, gage height, 4,475.94 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 1993 TO SEPTEMBER 1994
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	844181	787304	731665	695279	731665	764997	809605	844181	879771	881000	848539	806271
2	842247	785180	729830	696181	732583	766165	811274	845391	880262	880262	846844	804843
3	839590	783058	730977	697083	732583	767567	811990	846602	880754	880016	844665	803416
4	837418	780938	728455	699114	733732	770140	812945	847813	881491	879279	841764	803654
5	835249	778586	726851	700243	734681	772463	814138	849509	881983	878788	839349	801990
8	832600	776471	724334	700921	736721	774124	815572	851935	883459	877069	837660	800802
7	830194	774593	723420	702729	739253	776236	816528	855821	884690	875842	836454	799615
8	827791	772483	725021	703634	739714	777881	817245	858466	884937	874126	835490	797717
9	825630	770140	724792	704992	740867	779762	818920	860687	885183	873636	834526	795109
10	823471	767801	722277	705672	742943	781645	819877	862637	884444	872656	832359	793215
11	821553	767333	721364	707031	743635	783529	821314	864588	884444	871432	830915	791795
12	819877	765464	719538	707938	744790	784472	822033	865809	884937	869964	829473	789903
13	818441	762897	718170	709073	745715	785888	823231	866786	885922	868741	827791	788246
14	816528	760333	718170	709526	746177	787540	824430	866786	885676	867274	826590	786596
15	815094	758238	715664	710662	747333	788721	824910	868252	886169	865809	825870	784472
16	818441	755912	713616	711570	749417	790139	826830	868985	886415	864588	824670	783058
17	817006	753358	711570	712479	751966	791558	827550	870208	886662	862881	822512	780938
18	814616	751270	710662	713389	752894	792741	828992	870698	886908	863125	823231	779056
19	812467	748722	710662	714298	754286	793688	829953	871677	887894	863368	820595	777176
20	810321	746177	706351	714981	755912	795346	831637	871921	887401	862393	818680	775767
21	808176	743405	704540	716119	757307	796531	832840	871921	887401	860444	818920	773655
22	805795	742943	703182	717714	758238	797954	834044	873146	887155	859470	817723	771780
23	803654	742020	701599	719310	759401	799140	835249	872901	886662	858498	815811	769906
24	803654	739484	700017	723649	759867	801040	835731	873146	885676	857280	814377	768502
25	802941	737641	698888	724563	760799	801990	837901	873636	886169	856307	812706	765931
26	800327	736031	697308	726165	761964	803178	838866	873391	886908	854849	812467	764063
27	798429	734651	696632	727309	763363	804129	839832	874371	886169	853634	812706	761964
28	796057	732813	696181	728226	764063	804843	841281	875352	885183	852663	812467	760333
29	793215	734881	695730	729142	---	806033	842489	876578	883706	851207	811274	758470
30	791795	733502	694604	730747	---	807461	843698	877315	882229	851207	810082	756610
31	789430	---	693703	730747	---	808890	---	878297	---	850236	807937	---
MAX	844181	787304	731665	730747	764063	808890	843698	878297	887894	881000	848539	806271
MIN	789430	732813	693703	695279	731665	764997	809605	844181	879771	850236	807937	756610
a	4480.09	4477.69	4475.94	4477.57	4479.01	4480.91	4482.36	4483.78	4483.94	4482.63	4480.87	4478.69
b	-57650	-55928	-39799	+37044	+33316	+44827	+34808	+34599	+3932	-31993	-42299	-51327

CAL YR 1993 MAX 1073750 MIN 669320 b +5853
WTR YR 1994 MAX 887894 MIN 693703 b -90470

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