

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 Canyonadam.

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. Capacity, 1,183,835 acre-ft between gage heights 4,495.5 ft, upper storage limit, and 4,422 ft, bottom of lowest outlet, of which 8,948 acre-ft is not available for release. 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, 951,652 acre-ft, June 12, gage height, 4,486.72 ft; minimum, 656,934 acre-ft, Dec. 31, gage height, 4,474.29 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 1988 TO SEPTEMBER 1989  
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	751504	685167	675333	657155	684495	688532	808414	891597	942803	932224	883459	817963
2	748961	683823	673328	658257	685167	691003	810559	893821	942803	931219	881245	815811
3	746417	683823	671103	659361	684943	692353	814855	895801	944318	929210	879525	813422
4	744336	682707	670881	659361	684271	693028	817484	898029	945834	927202	877806	811274
5	742023	683153	669770	661349	6882400	694378	819877	900757	947098	924945	876333	808176
6	739257	684048	667549	661791	6880400	695505	823231	902742	947350	923192	876824	805557
7	737181	683153	666219	662465	6878200	697760	825870	905475	947350	920939	875352	803654
8	734659	682260	663561	662675	675779	702955	828511	908211	948362	918688	873636	801040
9	732590	681814	662465	662897	673997	714754	831637	910951	948362	916189	872411	798903
10	729832	681144	660907	665997	671103	725021	834526	913943	950386	914192	870698	796768
11	727542	680474	662233	666884	669547	735341	837660	915440	951399	911948	868985	794873
12	725485	682037	661349	667549	669992	742481	840314	916189	951652	909456	866053	793215
13	722742	683600	660686	667993	670659	748259	843456	917938	951399	908460	863856	791322
14	720451	682484	659802	669103	671548	752430	846117	919938	950386	905723	861906	788721
15	717943	681144	658699	669992	672883	755912	849751	921689	948868	903735	858983	786360
16	715669	680251	657155	670659	673774	761032	852905	923442	948109	903735	856307	789430
17	713623	678912	657596	671548	674219	763596	855578	924945	947603	902494	853877	791085
18	711123	676894	658257	672216	675111	767333	858983	926199	947603	900757	851449	792505
19	708624	675779	657596	673328	676225	770374	861906	928457	946087	898525	849024	793215
20	706125	674888	659361	674219	676894	773186	864832	929712	945581	896048	846602	793452
21	705898	674442	658257	675556	677787	775767	868741	930716	944823	894563	844423	794162
22	706351	678233	659361	676894	680691	777881	870698	931973	942299	894316	841764	794636
23	707033	681362	658478	678010	681585	781409	874371	933984	940785	895058	839590	794873
24	705447	682928	660023	678457	682480	784944	877315	933984	939272	893080	836936	795820
25	703414	684271	660465	679350	683376	789194	878806	937760	940533	891844	834767	796294
26	700695	682928	661128	680467	684719	792268	878297	938768	939524	890115	832118	796768
27	697765	683599	661349	681138	685392	794399	883952	939776	938012	888141	830194	797006
28	695958	681362	660023	681809	686513	797954	885922	940785	936501	886415	828031	797717
29	693032	679127	658669	682704	---	800327	888141	942551	934991	886415	824910	798429
30	690562	677118	657375	683376	---	802941	889621	942551	933230	886415	822991	799140
31	688091	---	656934	684271	---	805795	---	942803	---	884198	821074	---
MAX	751504	685167	675333	684271	686513	805795	889621	942803	951652	932224	883459	817963
MIN	688091	674442	656934	657155	669547	688532	808414	891597	933230	884198	821074	786360
a	4475.69	4475.20	4474.29	4475.52	4475.62	4480.78	4484.24	4486.37	4485.99	4484.02	4481.42	4480.50
b	-65968	-10973	-20184	+27337	+2242	+119282	+83826	+53182	-9573	-49032	-63124	-21934

CAL YR 1988 MAX 864108 MIN 656934 b -83702  
WTR YR 1989 MAX 951652 MIN 656934 b +45081

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