11399000 LAKE ALMANOR AT PRATTVILLE, CA

LOCATION.--Lat 40°12'50", long 121°09'40", in SW¼NE¼ sec.11, T.27 N., R.7 E., Plumas County, Hydrologic Unit 18020121, Plumas National Forest, at outlet tower to No. 2 tunnel on North Fork Feather River at Prattville, 4.7 mi (7.6 km) northwest of Lake Almanor Dam, and 5.6 mi (9.0 km) northwest of Canyondam.

DRAINAGE AREA.--491 mi^2 (1,272 km^2).

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 monitored once daily. Datum of gage is 10.23 ft (3.118 m) below National Geodetic Vertical Datum of 1929 (levels by Pacific Gas and Electric Co.). Prior to June 1, 1965, nonrecording gage at site 4.7 mi (7.6 km) southeast at same datum.

REMARKS.--Lake is formed by earthfill dam; storage began in July 1913; dam raised to gage height 4,455 ft (1,357.9 m) in 1917 and 4,515 ft (1,376.2 m) in 1927. Capacity, 1,184,000 acre-ft (1.46 km^3) between gage heights 4,495.5 ft (1,370.23 m), upper storage limit and 4,422 ft (1,347.8 m), bottom of lowest outlet, of which 8,950 acre-ft (11.0 hm^3) is not available for release. Water is diverted by tunnel and penstock to Butt Valley Reservoir and powerhouse for use in Caribou powerplants; some water also released down North Fork Feather River (station 11399500). Figures given herein represent total contents at 2400 hours. See schematic diagram of North Fork Feather River basin.

COOPERATION.--Records furnished by Pacific Gas and Electric Co., in connection with a Federal Energy Regulatory Commission Project.

EXTREMES (AT 2400) FOR PERIOD OF RECORD.--Maximum contents, 1,142,000 acre-ft (1.41 km^3) June 4, 5, 10, 11, 1974, gage height, 4,493.96 ft (1,369.759 m); minimum, 5,230 acre-ft (6.45 hm^3) Feb. 5, 1918, gage height, 4.416.1 ft (1,346.03 m).

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents observed, 1,035,000 acre-ft (1.28 km^3) July 12-14, gage height, 4,489.94 ft (1,368.534 m); minimum observed, 615,200 acre-ft (759 hm^3) Jan. 8, 9, gage height, 4,472.37 ft (1,363.178 m).

Capacity table (gage height, in feet, and contents, in acre-feet)

4,422	8,950	4,432	34,200	4,450	220,800	4,475	672,700
4,424	10,100	4,434	49,500	4,455	294,500	4,480	787,300
4,426	11,300	4,437	74,200	4,460	376,700	4,485	908,500
4,428	13,500	4,440	101,900	4,465	467,000	4,490	1,036,000
4,430	21,200	4,445	156,400	4,470	565,500	4,495.5	1,184,000

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	686060	664440	644420	626170	706570	784000	838860	905220	983020	1030760	1013790	984820
2	684270	663330	643540	624440	707930	786590	839830	908210	985330	1034160	1011450	985330
3	682250	663330	641580	622500	710200	789900	841030	910950	988160	1033640	1009630	985850
4	680020	664440	639610	620780	711570	792740	843690	914440	991000	1034160	1008340	985080
5	678010	663330	638520	619270	711790	796290	846110	917430	992810	1033900	1006520	984820
6	676670	663110	635910	617770	711340	798420	848780	920930	994350	1033640	1004190	985590
7	677340	662670	633090	615840	712470	801040	849750	923190	995900	1033900	1002110	984820
8	677110	661120	632440	615200	712930	802940	851690	925690	997710	1034160	999780	983020
9	677780	660460	632870	615200	714290	805080	853140	930460	999520	1034160	997200	981480
10	675770	660240	632010	615840	715430	806580	854840	932720	1001080	1034430	994610	980190
11	673990	660900	629410	617770	715660	808650	854600	934990	1002630	1034430	992810	978910
12	671320	659360	626810	625080	716570	810320	855330	936750	1004190	1034690	990480	977120
13	668210	657150	624440	634180	716110	812220	857280	939770	1006000	1034690	988670	978400
14	665330	656930	620990	639180	715890	814370	858980	942290	1007560	1034690	988670	979170
15	662230	655830	618200	665550	718390	815810	860680	944570	1009370	1033110	989200	977880
16	660220	656270	616490	672430	722040	817240	862880	946840	1011190	1031540	988420	977880
17	659360	657590	617130	678450	727990	818920	865070	949120	1012490	1030230	988160	976600
18	658910	657590	618200	682920	735800	820590	867030	951900	1014310	1031280	986880	974300
19	659140	655610	619270	685610	747560	822030	869470	954180	1015870	1032330	987650	973290
20	660240	653630	620780	688080	749410	823710	873390	956970	1017440	1033380	988160	972760
21	661120	651650	622710	690550	756610	824670	876080	960020	1018740	1033380	988680	970970
22	659580	652090	623580	692800	761030	826590	879520	962310	1020300	1031540	989200	969950
23	659580	653190	627240	694600	764290	827790	882220	965620	1021870	1029450	989200	968930
24	659140	653190	630920	696850	767330	829230	884690	967660	1022910	1027880	988680	967660
25	665770	652970	634610	698660	769900	829950	887400	969190	1024220	1026310	986360	966380
26	667990	651870	638520	700240	772480	830430	890360	971230	1025260	1024740	985590	965360
27	668880	650110	632660	701590	775530	832110	893320	972760	1027360	1022910	983790	964600
28	669990	647920	630270	703180	778820	832840	896540	974810	1028400	1021090	983530	964090
29	668210	645510	627890	703180	781170	834760	900260	976600	1029450	1019260	983790	962810
30	666210	644850	627890	703860	---	835970	902490	978400	1030280	1017180	984300	962310
31	666210	---	627890	705210	---	837170	---	980960	---	1015350	984300	---
MAX	686060	664440	644420	705210	781170	837170	902490	980960	1030280	1034690	1013790	985850
MIN	658910	644850	616490	615200	706570	784000	838860	905220	983020	1015350	983530	962310
†	4474.71	4473.74	4472.96	4476.45	4479.74	4482.09	4484.76	4487.87	4489.77	4489.20	4488.00	4487.14
‡	-20800	-21400	-17000	+77300	+76000	+56000	+65300	+78500	+49300	-14900	-31000	-22000

CAL YR 1979 ‡ -143700
WTR YR 1980 ‡ +275300

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet, rounded to Geological Survey standards.