

11399000 LAKE ALMANOR AT PRATTVILLE, CA

LOCATION.--Lat 40°12'50", long 121°09'40", in SW 1/4 NE 1/4 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 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 monitored once daily. Datum of gage is 10.23 ft 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 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, 1,184,000 acre-ft between gage heights 4,495.5 ft, upper storage limit and 4,422 ft, bottom of lowest outlet, of which 8,950 acre-ft 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 FOR PERIOD OF RECORD.--Maximum contents, 1,143,000 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 FOR CURRENT YEAR.--Maximum contents, 1,101,000 acre-ft July 7, 8 gage height, 4,492.44 ft; minimum, 866,800 acre-ft Jan. 21, gage height, 4,483.31 ft.

Capacity table (gage height, in feet NGVD, 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 1982 TO SEPTEMBER 1983  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	921940	908460	903730	914940	902740	925940	952410	900500	964600	1083590	1078530	1013270
2	921180	907960	905470	911690	904480	928200	949620	900010	969950	1087850	1076670	1011450
3	920680	907460	905220	908700	905720	929960	946590	900010	975580	1092390	1074550	1009110
4	919680	906960	906710	905970	907710	930460	943810	900010	980960	1095860	1073220	1007300
5	918930	905970	907460	903230	907210	930460	940020	900750	985850	1098270	1071360	1005480
6	918430	905220	905970	900010	908700	930210	935990	900010	991000	1100410	1069770	1003670
7	917430	903730	905720	898520	910700	930710	932470	899760	996420	1100940	1067910	1001590
8	915190	903480	903480	895300	909700	931470	928950	899510	1001590	1100940	1066050	999780
9	913690	902240	901500	892830	911440	931970	924940	898770	1006260	1100680	1064200	997710
10	911690	900260	899510	899860	911940	933230	921680	897530	1011710	1100140	1062350	995390
11	910950	898770	897530	887400	912440	935490	919180	898020	1016920	1099610	1060230	993320
12	908950	897780	896040	884690	917180	940530	917180	897530	1020040	1098000	1058380	991260
13	908210	896290	894310	881980	918180	950130	914940	897780	1023440	1097730	1056560	989450
14	906710	895300	891940	878780	920180	957730	913190	897530	1026830	1098000	1054680	987910
15	905220	894060	890110	875100	920680	960270	910950	897530	1030500	1098000	1052570	986100
16	903980	892830	888630	873880	919180	963070	909200	898020	1033380	1096930	1050730	984050
17	902240	893320	892090	870690	917430	964090	907460	898770	1037050	1095860	1048620	981730
18	901000	892260	893320	870450	919430	965110	905720	899760	1041780	1094520	1046770	979940
19	899020	901250	895300	868490	919180	965110	904480	901250	1045720	1092920	1044930	977360
20	898770	902490	900010	867270	917930	965110	903730	903230	1049410	1092120	1042560	975070
21	899020	903480	907210	866780	916180	965110	901990	905970	1052570	1090790	1041250	973270
22	897780	902740	911440	869230	914440	965360	901000	909450	1055210	1089450	1039150	972510
23	897530	901500	912940	871180	912690	964850	901500	913190	1057320	1087850	1036790	971740
24	897030	898770	914190	875840	911440	964600	901990	918180	1061020	1085990	1034160	970210
25	900750	897280	915440	877900	910950	962560	901000	923190	1064990	1084920	1031800	968420
26	903230	895550	915690	886660	910450	961290	899260	928200	1069770	1083590	1029190	966380
27	905220	895050	918180	896540	912940	960270	898770	933730	1072690	1082530	1026310	964850
28	906710	896540	919430	893320	918430	958240	900010	940020	1075340	1081990	1024480	963070
29	908700	900500	919180	895800	---	956970	900260	946330	1077740	1081200	1021350	961290
30	908700	902740	917930	898270	---	956210	900010	952150	1080660	1080660	1018740	960020
31	907710	---	915930	900500	---	954690	---	959000	---	1080130	1015610	---
MAX	921940	908460	919430	914940	920680	965360	952410	959000	1080660	1100940	1078530	1013270
MIN	897030	892830	888630	866780	902740	925940	898770	897530	964600	1080130	1015610	960020
a	4484.97	4484.77	4485.30	4484.68	4485.40	4486.84	4484.66	4487.01	4491.68	4491.65	4489.21	4487.05
b	-15700	-4970	+13200	-15400	+17900	+36300	-54700	+59000	+121700	-530	-64500	-55600

CAL YR 1982 b -8760

WTR YR 1983 b +36580

a Elevation, in feet, at end of month.

b Change in contents, in acre-feet, rounded to Geological Survey standards.