

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 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 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). Records 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, 1,143,000 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 (at 2400) FOR CURRENT YEAR.--Maximum contents, 1,108,180 acre-ft May 26, gage height, 4,492.71 ft; minimum, 895,300 acre-ft Feb. 12, gage height, 4,483.47 ft.

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 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	957730	953170	982250	968420	913440	919180	1006260	1078530	1105770	1080400	1023170	972760
2	956210	954940	981220	967400	910700	920680	1008340	1081200	1107380	1079070	1021350	971480
3	954180	956210	982760	965870	908210	922690	1010670	1084390	1107380	1077470	1019780	970460
4	952410	956720	980960	965110	905720	924440	1012750	1087590	1107110	1076140	1017960	969950
5	950380	956460	979170	963830	903480	925690	1014830	1087320	1106310	1074280	1015870	967400
6	948610	956970	977370	962560	901000	927950	1017700	1087320	1107380	1072420	1014310	965620
7	947090	956720	975580	960780	899260	929710	1019780	1087050	1107380	1070300	1012750	963830
8	944820	956210	974040	959510	897780	931720	1023170	1087050	1107110	1068700	1011190	961800
9	942800	956970	974550	957730	898270	933730	1025530	1087050	1105500	1067110	1009630	960020
10	941030	966130	974300	955700	897280	935490	1028140	1087850	1104700	1065260	1007040	957480
11	939270	970210	976090	954690	896040	937500	1030500	1088920	1103090	1063140	1007040	955700
12	937000	974840	974550	953170	895300	939520	1032850	1090790	1101750	1061290	1006520	953670
13	935490	979680	973270	951650	897530	946080	1034950	1091590	1100940	1059420	1005220	951650
14	933230	982250	971480	949620	898020	952410	1037310	1093990	1099340	1057320	1003150	949620
15	930960	984300	970210	948610	900010	955960	1039670	1096930	1098530	1056000	1001080	947850
16	928950	988160	968930	947090	901000	960780	1042300	1099340	1096130	1053890	999010	946080
17	927200	991770	967400	945580	902740	964340	1044670	1100410	1094790	1052040	997200	944060
18	925940	991000	965620	942800	903730	967400	1048350	1102020	1092650	1050460	995130	942290
19	927450	991770	964090	940780	905220	970460	1050730	1103890	1090520	1048880	993060	941030
20	928950	991260	962310	938260	906710	973530	1053100	1105770	1089450	1046510	991260	939770
21	930460	990230	959760	935990	906460	976350	1055210	1107380	1088120	1044670	989450	937250
22	931970	989460	957480	933730	906220	978910	1057320	1107650	1087590	1042300	986880	935490
23	934730	988420	958490	931720	906220	981990	1059700	1107920	1087590	1040460	984820	932970
24	935990	991770	958750	930460	908210	985080	1062610	1107920	1087050	1039410	982500	931720
25	937500	991260	962560	928950	910200	987650	1064990	1107920	1085720	1037840	982250	930710
26	939270	989970	966130	927700	911940	990740	1066850	1108180	1084660	1036000	981730	928450
27	940530	988680	967400	924940	913190	993580	1069240	1107380	1083860	1033900	979170	926700
28	942290	987130	967150	922690	915440	996940	1071090	1107110	1082790	1031800	977630	925440
29	945070	985590	966890	920180	917180	999010	1072950	1106840	1081990	1029970	976600	925690
30	947850	983790	968170	917680	---	1001010	1075610	1106310	1081200	1028400	976350	923440
31	950380	---	968420	915930	---	1004190	---	1105500	---	1025790	974550	---
MAX	957730	991770	982760	968420	917180	1004190	1075610	1108180	1107380	1080400	1023170	972760
MIN	925940	953170	957480	915930	895300	919180	1006260	1078530	1081200	1025790	974550	923440
a	4486.67	4487.98	4487.38	4485.30	4485.35	4488.77	4491.49	4492.61	4491.70	4489.60	4487.62	4485.60
b	-9640	+33400	-15400	-52500	+1250	+87000	+71400	+29900	-24300	-55400	-51200	-51100

CAL YR 1983 b +52500
WTR YR 1984 b -36600

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