

SACRAMENTO RIVER BASIN

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 Canyon Dam.

DRAINAGE AREA.--491 mi² (1,272 km²).

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 km³) 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 hm³) 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, 1,143,000 acre-ft (1.41 km³) June 8, 1982, gage height, 4,494.00 ft (1,369.771 m); minimum, 5,230 acre-ft (6.45 hm³) Feb. 5, 1918, gage height, 4,416.1 ft (1,346.03 m).

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents observed, 1,143,000 acre-ft (1.41 km³) June 8, gage height, 4,494.00 ft (1,369.771 m); minimum observed, 682,500 acre-ft (842 hm³) Oct. 26, gage height, 4,475.44 ft (1,364.114 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 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	705440	693920	826350	928450	925190	993060	1074010	1086520	1136470	1129980	1073220	988420
2	703180	694820	827550	930710	922690	996680	1076670	1087590	1139170	1128900	1070560	986100
3	702270	696400	829710	934730	921430	999520	1080660	1089720	1139170	1127280	1067910	983280
4	700690	696850	829710	937250	919180	1002890	1077470	1090520	1139710	1127010	1065260	980450
5	698430	696180	829230	939770	917430	1005220	1077470	1091590	1139710	1127010	1062880	979170
6	696180	697080	829710	941790	915440	1007820	1076670	1093460	1139980	1125660	1060760	976090
7	695050	697980	831390	943300	913940	1010150	1075340	1094790	1140520	1124040	1058380	974040
8	695050	698430	831630	945320	911940	1012490	1073480	1096660	1142960	1122160	1056530	970720
9	693700	697980	833320	946590	910200	1014050	1071890	1097200	1141880	1120810	1053360	967660
10	695270	697300	835490	947850	907960	1016400	1072950	1098000	1140520	1119200	1050990	964600
11	697760	698210	836930	947090	905470	1020040	1074810	1098530	1139710	1117580	1048090	961290
12	696180	703120	838380	946590	903480	1022390	1075080	1098800	1139710	1116240	1045980	957990
13	696180	708160	838620	945580	902740	1024480	1076940	1099070	1140250	1114630	1043090	954690
14	694600	713610	840790	943810	905720	1028140	1078270	1099340	1139710	1113020	1040460	951650
15	694150	719990	843450	942290	915690	1029970	1079070	1099610	1138900	1110870	1037570	948610
16	692800	739020	845630	940280	926950	1032330	1079330	1100140	1138900	1108990	1034950	946080
17	693020	749640	847810	940530	935240	1034430	1079870	1102280	1138090	1106840	1032070	943810
18	692800	755680	851930	939270	941540	1036520	1080130	1105500	1138090	1105230	1029190	942800
19	691220	759630	862390	938010	947600	1038620	1080400	1107650	1138090	1103090	1026050	941790
20	689650	763130	875100	938010	953420	1040200	1079870	1110330	1139440	1100940	1023170	940280
21	687630	770370	882470	938240	959000	1042040	1079070	1114090	1139440	1098800	1020570	937760
22	686060	776940	888140	936500	964340	1043880	1079330	1116780	1138630	1096390	1017960	934730
23	686510	790370	892580	934230	968170	1045460	1079070	1120000	1137550	1093720	1015350	931720
24	687410	800090	896540	932970	973020	1047830	1079870	1122160	1135910	1091850	1012230	930710
25	686060	806030	899760	930460	976350	1049670	1080130	1126470	1134580	1089190	1009110	928700
26	682480	811990	903480	931470	980450	1051250	1080930	1129440	1132950	1087050	1005740	927950
27	684940	815810	906960	931470	983280	1053360	1082530	1132680	1131870	1084660	1002890	926450
28	689650	819150	910700	930960	986360	1057060	1083330	1134580	1130250	1082790	999780	924690
29	690320	821550	916430	929460	---	1059970	1084920	1134850	1130520	1080400	996680	923190
30	691900	822990	919680	927700	---	1066580	1085720	1135120	1130520	1078270	994100	923440
31	692800	---	924690	925940	---	1070300	---	1134850	---	1075880	991260	---
MAX	705440	822990	924690	947850	986360	1070300	1085720	1135120	1142960	1129980	1073220	988420
MIN	682480	693920	826350	925940	902740	993060	1071890	1086520	1130250	1075880	991260	923190
a	4475.90	4481.50	4485.65	4485.70	4488.08	4491.29	4491.87	4493.70	4493.54	4491.50	4488.27	4485.60
b	-14900	+130200	+101700	+1250	+60400	+83900	+15400	+49100	-4330	-54600	-84600	-67800

CAL YR 1981 b +51500
WTR YR 1982 b +215700

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