

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, 1,142,000 acre-ft (1.41 km³) June 4, 5, 10, 11, 1974, gage height, 4,493.96 ft (1,369.759 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, 890,856 acre-ft (1.10 km³) Oct. 1, gage height, 4,484.29 ft (1,366.812 m); minimum observed, 656,273 acre-ft (809 hm³) Mar. 5, gage height, 4,474.26 ft (1,363.754 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 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	890856	833563	808652	771545	713844	668215	703182	750807	818202	823471	764063	713616
2	890362	831396	809129	768502	711343	665332	704766	752430	817245	823950	761032	714071
3	889375	828992	809129	766632	707485	662675	706125	754286	818441	824910	757772	714526
4	887155	826590	808890	765699	704087	659361	707485	756610	819159	825630	754519	715436
5	884690	824910	808652	764297	700921	656273	709526	750703	818680	826590	751039	714754
6	882967	823950	806271	762430	697985	657375	711116	761265	819877	827070	747796	713161
7	882721	823711	802941	761498	694604	658919	712707	766398	820595	827791	744558	709526
8	881000	823711	800565	760799	691228	660244	714298	768269	821793	828511	741558	707258
9	879525	823231	798429	758936	687859	661791	715664	770374	822512	826830	738793	705445
10	878051	822272	797243	757540	684719	663339	716803	772014	822512	826110	736031	704087
11	875352	820835	796057	759634	681585	664889	717714	773890	821314	824430	733043	703860
12	872656	819638	794636	761265	680244	666219	718854	775767	819877	822272	733043	701825
13	870698	818202	793452	762430	679573	667993	719994	777646	819159	820595	732583	699114
14	869230	816767	792505	761032	695054	669770	721592	780703	816528	817245	733043	699114
15	867519	814616	789903	759634	692353	671993	723191	783294	817963	814855	732124	699791
16	866297	814138	787776	756842	692803	673774	725249	780124	818680	811990	728684	698888
17	864100	812945	788249	753590	692128	675333	727080	788721	819877	809367	725707	697760
18	862149	810321	787304	750807	692128	677564	728455	789903	819398	806747	722277	697760
19	860200	808176	784944	748028	686532	678903	729371	791795	820356	803416	720679	698436
20	858253	807461	783294	745252	686737	680020	730977	794873	821314	801515	719310	699114
21	855821	807223	781174	742020	684943	681585	732124	797243	821793	798666	719994	699565
22	853634	806271	779056	739714	682480	683152	733732	800090	821793	795583	720451	699791
23	851449	806747	777881	737411	681138	684495	736261	803178	822752	792978	719082	700243
24	849509	807699	777881	735571	681585	685840	738102	806033	822272	789667	716347	698662
25	847328	808652	778586	732124	678233	687634	739484	808176	822512	787068	714526	696181
26	845391	809129	777646	729142	675333	689880	742020	810559	821793	783294	714526	693028
27	842972	807699	777411	726851	671993	694604	743635	812467	821553	780232	713161	690104
28	840798	806033	776002	724334	670436	696632	745252	814855	821074	777411	712934	686961
29	838383	807223	775297	721364	---	698436	747102	819572	821553	774124	714298	687410
30	836213	807699	773186	718170	---	700117	748722	817006	822752	771077	714981	686961
31	835249	---	771545	717031	---	701599	---	817963	---	767333	713616	---
MAX	890856	833563	809129	771545	713844	701599	748722	817963	822752	828511	764063	715436
MIN	835249	806033	771545	717031	670436	656273	703182	750807	816528	767333	712934	686961
(†)	4482.01	4480.86	4479.33	4476.97	4474.90	4476.29	4478.35	4481.29	4481.49	4479.15	4476.82	4475.64
(‡)	-58100	-27600	-36200	-54500	-46600	+31200	+47100	+69200	+4790	-55400	-53700	-26700

CAL YR 1978 † +228500

WTR YR 1979 ‡ -206400

† Gage height, in feet, at end of month.

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