

## 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 mi<sup>2</sup> (1,272 km<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 (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<sup>3</sup>) 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<sup>3</sup>) 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<sup>3</sup>) June 4, 5, 10, 11, 1974, gage height, 4,493.96 ft (1,369.759 m); minimum, 5,230 acre-ft (6.45 hm<sup>3</sup>) Feb. 5, 1918, gage height, 4,416.1 ft (1,346.03 m).

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents observed, 1,030,000 acre-ft (1.27 km<sup>3</sup>) July 30, gage height, 4,489.77 ft (1,368.482 m); minimum observed, 516,100 acre-ft (636 hm<sup>3</sup>) Dec. 9, gage height, 4,467.55 ft (1,361.709 m).

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

4422	8950	4432	34200	4450	220800	4475	672700
4424	10100	4434	49500	4455	294500	4480	787300
4426	11300	4437	74200	4460	376700	4485	908500
4428	13500	4440	101900	4465	467000	4490	1036000
4430	21200	4445	156400	4470	565500	4495.5	1184000

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	542080	526050	519110	544810	627890	677560	761730	835000	938260	1005740	1027090	954430
2	542490	525450	518320	546330	628540	679790	764060	838140	940780	1007300	1025260	951900
3	542080	524260	518910	546940	630270	683150	767100	841030	943810	1008850	1023170	949120
4	541480	523270	519700	550790	631360	690100	769430	844420	947090	1010670	1021090	945830
5	540270	525060	518710	556910	634830	695050	772010	846840	949880	1011190	1019520	943810
6	539660	525250	518710	558950	638740	698660	776230	849020	953420	1013270	1017180	942550
7	539060	524260	517920	560790	643320	701370	779290	851690	955960	1014310	1014570	942290
8	539660	523470	517130	563670	645950	704310	780230	854840	959260	1014830	1012490	940780
9	540470	522670	516140	569430	648140	707710	782350	857760	962310	1015090	1009630	939020
10	539870	521880	516930	571910	649890	709750	784700	861410	965110	1016140	1007560	936500
11	539260	521090	518910	574800	650990	712250	787060	864830	967400	1017180	1004440	934730
12	538460	521480	518320	577080	653850	713840	789430	868250	969700	1018220	1001340	932970
13	537850	522280	517130	581440	655170	715430	791550	871920	971230	1019260	999270	932970
14	537250	521880	522280	588120	656930	717250	794160	875840	974040	1019520	997200	932220
15	536450	521090	526650	594410	658030	719080	797240	880750	976600	1020300	994350	929960
16	537050	520100	529040	600950	659140	720450	798900	883950	978650	1021870	991520	927200
17	536650	519300	530840	604970	660900	722040	801270	886900	980960	1021350	988940	924190
18	535630	518510	532240	608160	661570	724330	802940	890360	982760	1021610	986620	921180
19	535040	518710	531840	611140	663330	726160	805790	893820	984820	1022650	984300	919680
20	534440	519700	531040	613280	664660	728220	808410	897530	986880	1023700	981730	918430
21	532440	520690	530840	615420	665770	730970	810320	901250	988940	1024480	979170	919930
22	533040	519900	533640	617130	667100	733270	811990	905470	990230	1025530	977370	913190
23	533840	519300	534840	618630	668430	736490	814130	909700	991770	1026050	975070	910950
24	532240	520290	535840	619060	669990	739020	816050	913190	993580	1026310	972760	908210
25	530040	519900	536850	620560	671320	741320	818920	916430	995130	1027090	969950	905470
26	529040	520690	538260	621420	672880	743630	821310	919430	996680	1027880	967660	902990
27	527640	521880	540070	622280	674440	745940	823470	922690	999520	1028660	965110	902020
28	526050	520690	540070	623360	675770	748490	826110	925940	1001340	1028660	962810	898520
29	526650	520290	540870	624220	---	751270	828510	929710	1003150	1029450	960530	896040
30	527250	519900	542080	625520	---	754050	832840	932720	1004440	1030230	959510	893320
31	526050	---	543090	626380	---	757770	---	935490	---	1029450	956970	---
MAX	542490	526050	543090	626380	675770	757770	832840	935490	1004440	1030230	1027090	954430
MIN	526050	518510	516140	544810	627890	677560	761730	835000	938260	1005740	956970	893320
(†)	4468.05	4467.74	4468.90	4472.89	4475.14	4478.74	4481.91	4486.08	4488.78	4489.74	4486.93	4484.39
(‡)	-15600	-6150	+23200	+83300	+49400	+82000	+75100	+102700	+69000	+25000	-72500	-63700

CAL YR 1977 † -39800  
WTR YR 1978 ‡ +351600

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

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