

SACRAMENTO RIVER BASIN

11399000 LAKE ALMANOR AT PRATTVILLE, CA

LOCATION.--Lat 40°12'46", long 121°09'43", in SW 1/4 NE 1/4 sec.11, T.27 N., R.7 E., Plumas County, Hydrologic Unit 18020121, Lassen National Forest, at intake tower to Butt Valley tunnel 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 read once daily. Datum of gage is 10.23 ft below National Geodetic Vertical Datum of 1929 (levels by Pacific Gas & 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, 1,183,835 acre-ft between gage heights 4,495.5 ft, upper storage limit, and 4,422 ft, bottom of lowest outlet, of which 8,948 acre-ft is not available for release. Water is diverted by tunnel and penstock to Butt Valley powerplant (station 11400600) and then is used for power development in the North Fork Feather River. Figures given herein, including extremes, represent total contents at 2400 hours. See schematic diagram of North Fork Feather River basin.

COOPERATION.--Records were collected by Pacific Gas & Electric Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission Project. Contents not rounded to U.S. Geological Survey standards.

EXTREMES (at 2400) FOR PERIOD OF RECORD.--Maximum contents, 1,142,960 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, 1,004,440 acre-ft, Sept. 13, gage height, 4,488.78 ft; minimum, 704,080 acre-ft, Dec. 12, gage height, 4,476.40 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on surveys by Pacific Gas & Electric Co. in 1924 and 1926)

4,422	8,948	4,434	49,510	4,460	376,686
4,424	10,067	4,437	74,189	4,470	565,519
4,426	11,260	4,440	101,869	4,480	787,304
4,428	13,480	4,445	156,414	4,490	1,036,269
4,430	21,200	4,450	220,848	4,495.5	1,183,835
4,432	34,173	4,455	294,531		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	839100	762430	709070	721820	758700	805080	864100	913690	962310	984560	991520	1000560
2	836690	759400	708610	723190	761960	805310	865070	915690	963830	985080	992290	1000820
3	835730	756840	707030	724790	763130	806980	866540	918430	965110	985080	992030	1000820
4	832600	754510	706350	727990	763590	810320	868250	919680	966640	985330	992550	1001340
5	829470	754280	707250	730280	765230	811990	869470	921180	967910	986100	991520	1001590
6	826830	754510	706800	731430	765930	812940	870450	923190	969190	986360	992550	1001850
7	825870	751960	707250	731430	767330	815330	872160	925690	969950	986620	992550	1002110
8	824190	750570	706570	732120	768260	818200	873630	927450	971230	987130	992290	1002630
9	822990	751030	706350	733500	769670	819630	875100	930210	972000	987910	992810	1003150
10	820110	748490	704990	733500	770840	820590	876080	932220	973020	988160	993060	1003410
11	817240	745710	704310	734880	773420	821790	878540	934230	973530	988680	993320	1003670
12	813660	742940	704080	735800	775530	824190	880260	935740	974550	989200	994610	1003930
13	811030	740630	704990	736950	781400	830190	881980	937030	975320	989710	994610	1004440
14	808650	737870	706120	737640	783760	834280	882720	939520	975830	990480	993580	1002370
15	804360	737180	705670	738330	784700	835730	884190	941540	975580	990740	993840	1000820
16	801510	736720	705670	738330	789190	842480	886900	944060	976350	990740	994350	997710
17	799370	735340	705670	740170	789430	844660	888630	946080	976600	991260	994870	994610
18	796050	732810	705890	740400	791790	846350	890360	947090	977370	991260	995900	993060
19	793210	730280	706120	742020	793680	847810	891590	948100	978140	992140	995900	988940
20	790370	727990	708160	742480	794160	849020	893080	949120	978650	992030	995900	986620
21	787540	726850	708390	742710	795820	850720	894810	950630	978650	992290	995900	983790
22	784700	724560	708840	744550	797240	851930	896040	952410	979170	992810	996160	981220
23	781880	722270	711570	745020	798420	853870	898020	953420	980190	993320	996420	978910
24	780460	718390	712470	747330	798900	855570	899760	953930	980960	993580	997200	976350
25	778820	715430	713160	749180	800800	857280	901740	955450	981480	993840	997710	972250
26	776700	712470	714070	749640	801270	858980	903480	956970	981990	994100	998230	969190
27	774590	713840	715200	751960	802700	858980	904970	957220	982500	993580	998750	966380
28	772010	713840	716110	754280	803890	859710	907460	958750	983530	992550	999010	963320
29	770370	712250	716800	755440	---	860200	909700	960530	984050	991770	999520	960780
30	767560	710880	717940	755440	---	861900	911440	960530	984300	991520	999780	957480
31	764990	---	719530	758000	---	862880	---	962310	---	991000	1000040	---
MAX	839100	762430	719530	758000	803890	862880	911440	962310	984300	994100	1000040	1004440
MIN	764990	710880	704080	721820	758700	805080	864100	913690	962310	984560	991520	957480
a	4479.05	4476.70	4477.08	4478.75	4480.70	4483.15	4485.12	4487.14	4488.00	4488.26	4488.61	4486.95
b	-76050	-54110	+8650	+38470	+45890	+58990	+48560	+50870	+21990	+6700	+9040	-42560

CAL YR 1986 MAX 1103890 MIN 662230 b +58190
WTR YR 1987 MAX 1004440 MIN 704080 b +116440
a Gage height, in feet, at end of month.
b Change in contents, in acre-feet.