

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 sea level (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. Usable capacity, 1,174,887 acre-ft between gage heights 4,422 ft, invert of outlet, and 4,495.5 ft, maximum storage limit. Dead storage, 8,948 acre-ft. 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, 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 the U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project. Contents not rounded to U.S. Geological Survey standards.

EXTREMES 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 FOR CURRENT YEAR.--Maximum contents, 968,680 acre-ft, June 12, gage height, 4,487.39 ft; minimum, 793,925 acre-ft, Dec. 3, gage height, 4,480.28 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	94,531		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	896296	836695	795109	914941	915939	841039	881245	934236	967405	952412	921189	855092
2	894811	834767	794873	943561	915440	841764	883213	935242	967150	951652	920939	854120
3	892832	831878	793925	959260	912696	840314	883952	936753	966640	951146	920688	853148
4	891350	830194	796531	965875	910951	838625	884937	938264	966385	949880	917688	853634
5	889868	828511	798429	965875	908211	837901	886662	939776	966130	949121	916689	852177
6	888141	826350	799140	965365	906221	836454	887155	941290	965620	948615	914192	850721
7	886662	823471	799615	962819	903984	836213	889128	941542	965875	947856	911449	849024
8	884690	821553	800565	960276	901005	837418	890362	943308	965620	946845	908958	847813
9	883213	819159	804843	957737	898773	838142	891844	944823	966640	946087	906469	845875
10	880754	818202	812229	955453	896048	838625	892338	946592	967660	945329	904232	843456
11	879034	816289	816289	952665	893574	839590	893080	948615	968170	943813	902990	841281
12	876824	814138	818441	950133	891844	840314	894069	950386	968680	943056	901253	839107
13	874616	811990	821074	945076	887648	841522	895553	952159	968170	942046	899269	837177
14	872166	809605	822272	940533	885183	842489	896296	953425	967150	941037	897286	836454
15	870208	807223	822752	937257	882475	843456	897286	954946	967150	940029	895306	834767
16	868496	805557	822752	934236	880508	847570	898525	955961	966895	939020	892585	832359
17	866053	805557	822752	932727	877315	849509	899764	957229	965875	937508	890362	831396
18	865320	805319	822752	928708	874371	851207	902245	958245	965365	937005	888634	829953
19	863125	806985	822752	925697	870942	852905	905723	959260	964601	935746	887401	828031
20	859957	806985	822991	923442	867274	854606	908709	960022	963583	934991	884690	827791
21	857280	806509	823711	922190	864344	856793	912945	960531	962565	933733	883213	826590
22	854849	807461	825870	924194	860931	859226	916189	960531	961802	932476	880754	825390
23	852905	806985	824670	921940	858739	861418	918438	963074	960531	931470	877806	823711
24	852177	806033	823950	920188	854363	863368	921189	964346	959768	930465	875107	822752
25	851207	804843	823471	923192	851207	865809	922941	965111	959006	928959	872411	821314
26	848782	803178	828031	922941	847328	868252	925196	965620	957483	928206	869230	819638
27	845875	801752	830194	921689	846844	870698	926951	966385	956468	927202	866297	818680
28	842972	799853	834526	921189	843456	872656	929210	966895	954946	926199	863612	816289
29	843456	798429	838142	920438	---	874862	930214	966895	953425	924945	861418	815572
30	841764	797006	850236	918938	---	877069	932224	966895	953172	923692	858009	813661
31	838866	---	873391	917938	---	879279	---	966895	---	922440	856307	---
MAX	896296	836695	873391	965875	915939	879279	932224	966895	968680	952412	921189	855092
MIN	838866	797006	793925	914941	843456	836213	881245	934236	953172	922440	856307	813661
a	4482.16	4480.41	4483.58	4485.38	4482.35	4483.82	4485.95	4487.32	4486.78	4485.56	4482.88	4481.11
b	-58668	-41860	+76385	+44547	-74482	+35823	+52945	+34671	-13723	-30732	-66133	-42646

CAL YR 1996 MAX 1129715 MIN 793925 b -735
WTR YR 1997 MAX 968680 MIN 793925 b -83873

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