

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, 1,129,715 acre-ft, May 27, 28, gage height, 4,493.51 ft; minimum, 864,344 acre-ft, Dec. 10, gage height, 4,483.21 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 (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	954693	914941	867519	874126	898525	996167	1037840	1050731	1126474	1086526	1020048	950639
2	953679	911948	867519	873881	895801	998235	1038628	1052840	1127824	1084129	1017442	948615
3	952665	907962	868007	872656	896048	1001081	1037315	1054424	1127014	1081999	1015098	946087
4	951146	904978	868496	871921	901501	1006005	1036528	1056536	1127284	1079604	1013277	943813
5	948615	902245	868007	870942	905972	1008859	1036003	1058914	1126474	1077475	1009898	941542
6	947603	899021	868007	870698	909456	1010677	1035216	1060235	1126474	1075614	1008080	939524
7	945076	896543	866297	872656	913444	1012757	1035479	1062087	1125935	1073487	1005745	937760
8	945076	893574	865565	871677	914691	1014838	1036003	1063675	1125665	1071363	1004708	935746
9	946592	890609	864588	870942	917688	1017181	1036003	1065793	1125395	1069505	1001599	933733
10	948109	887648	864344	869719	920438	1020048	1036269	1067118	1123777	1066588	999011	931722
11	949374	885922	865565	868741	922941	1024485	1036003	1068709	1122969	1064469	996942	929963
12	950133	885183	872901	868252	925447	1028144	1036003	1070567	1121353	1062352	994359	927955
13	951652	884198	876088	868741	928206	1030761	1036269	1071894	1119738	1061089	992552	926199
14	953172	885676	876333	868985	930716	1031809	1036003	1074285	1118124	1059178	989715	924444
15	954439	886908	880508	870942	932727	1034692	1036791	1077741	1116243	1057064	987912	922691
16	954439	888141	881491	874616	935494	1037840	1038103	1085993	1114094	1054687	985337	920939
17	952919	888141	880754	877069	939776	1039941	1040204	1095597	1112483	1051785	982766	919188
18	950386	886908	879525	881000	946592	1040992	1039679	1104701	1110872	1049676	980197	917188
19	947603	885922	877560	882229	954186	1040729	1039679	1110604	1108457	1047306	977376	916189
20	945581	885183	875842	883213	962310	1040992	1039153	1114631	1106311	1045463	974814	914192
21	943561	883459	875352	884937	970212	1040729	1038891	1119738	1104165	1043358	972767	912446
22	940533	881737	873391	885676	974047	1039416	1038103	1123238	1102557	1041255	970723	910701
23	939020	879525	873636	887648	978914	1038365	1037578	1125395	1100145	1039941	969446	908958
24	936249	877806	874126	888388	981738	1040467	1038891	1127284	1099074	1037315	966895	907713
25	934236	875352	873636	890115	984565	1039153	1039679	1128364	1097469	1035479	965365	905972
26	932727	873146	872656	890115	987396	1038365	1040992	1128364	1095597	1033381	962819	904232
27	930214	870698	871187	893821	989457	1037315	1041781	1129715	1093460	1031285	960531	902494
28	927202	870698	870453	895058	992810	1037053	1043621	1129715	1091858	1028929	959006	900757
29	924444	869230	869474	897039	994617	1034954	1045463	1129174	1089991	1027883	956975	899269
30	921439	868496	872656	899269	---	1033905	1047569	1128904	1088391	1025269	955200	897534
31	918438	---	874126	899764	---	1033643	---	1128634	---	1022918	952919	---
MAX	954693	914941	881491	899764	994617	1040992	1047569	1129715	1127824	1086526	1020048	950639
MIN	918438	868496	864344	868252	895801	996167	1035216	1050731	1088391	1022918	952919	897534
a	4485.40	4483.38	4483.61	4484.65	4488.40	4489.90	4490.43	4493.47	4491.97	4489.49	4486.87	4484.56
b	-35494	-49942	+5630	+25638	+94853	+39026	+13926	+81065	-40243	-65473	-69999	-55385

CAL YR 1995 MAX 1137013 MIN 695730 b +179072
WTR YR 1996 MAX 1129715 MIN 864344 b -56398

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