

## 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, 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 mean sea level (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 Power 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, 926,700 acre-ft (1.14 km<sup>3</sup>) Oct. 17, gage height, 4,485.73 ft (1,367.251 m); minimum observed, 544,500 acre-ft (671 hm<sup>3</sup>) Mar. 26, gage height, 4,468.97 ft (1,362.142 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 1975 TO SEPTEMBER 1976  
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	906967	901501	821553	736731	650555	583948	546132	583114	606251	604977	611573	613068
2	907962	898773	818920	733732	647266	583322	547145	584782	607101	605614	612000	612854
3	908709	895801	816528	731206	645952	582073	548361	586034	607739	606251	612000	611573
4	909456	893080	814377	728455	641799	580200	549579	587705	608377	606888	612640	610507
5	910203	890115	812467	725707	638529	578538	551001	589588	609016	607314	613068	611147
6	913444	887155	810082	722506	635048	577085	552222	590426	609441	606888	612854	611573
7	914442	884690	807461	719994	632010	575634	553036	591055	610507	607314	612640	611147
8	914941	882229	805081	717486	629627	573771	554870	593154	610720	606463	613281	608377
9	916938	879279	802465	715436	626599	571910	556094	594836	612000	605402	613068	606039
10	920188	876578	799615	712025	623364	569638	550115	595257	613068	606039	613068	603917
11	921189	873391	797480	709526	620567	568401	558955	595257	613709	606463	613495	604765
12	922190	870453	795109	706351	617562	566136	559774	595046	614564	605402	613709	605189
13	923192	868007	792505	703634	615206	563259	561003	594415	615634	604129	613281	603069
14	924444	864832	789667	700469	612854	561413	562233	594205	613922	604553	614564	602645
15	925697	864588	787068	697760	609868	559774	563464	594625	610933	605402	615420	600952
16	926450	862149	783765	694604	607739	558137	564697	595467	609016	606039	616062	598418
17	926700	859226	780938	691903	604553	556298	565930	596520	608377	606251	616704	596309
18	926495	856550	777881	688532	601799	554870	567165	597785	607314	607526	617776	596309
19	922440	853391	775063	686064	599262	553647	568401	598840	607101	607314	618849	596941
20	920438	851207	772248	682704	596309	551408	569226	599896	607526	607101	618634	595467
21	918938	848297	769438	680020	593364	549376	570464	600952	608377	607952	619493	592944
22	916938	845875	766632	677118	590426	547347	571496	602010	609299	607314	620137	590426
23	913444	843214	763830	674665	587705	546739	573150	602857	608377	608164	620352	588333
24	909705	840798	761032	672216	584156	545929	574806	604129	607314	608803	620567	585825
25	906967	837901	757772	670659	582489	545120	575841	604997	606039	608590	620997	586451
26	908958	835008	754519	667993	580408	544513	576878	604553	606039	607526	620782	587287
27	906469	832600	751966	664889	578330	545524	577708	604129	605189	607314	619922	585199
28	905226	829713	748954	662012	578330	547145	578953	603493	603917	607952	619493	582906
29	904729	826830	746408	659140	582281	546132	582697	604129	604149	607952	619922	580408
30	905972	824190	742712	655833	---	546537	581656	604765	604553	608377	618205	578746
31	904978	---	739945	653192	---	546132	---	605614	---	608803	615206	---
MAX	926700	901501	821553	736731	650555	583948	582697	605614	615634	608803	620997	613068
MIN	904729	824190	739945	653192	578330	545132	546132	583114	603917	604129	611573	578746
(†)	4484.86	4481.55	4477.97	4474.12	4470.81	4469.05	4470.78	4471.92	4471.87	4472.07	4472.37	4470.64
(‡)	-992	-80800	-84200	-86800	-70900	-36100	+35500	+24000	-1060	+4250	+6400	+36500

CAL YR 1975 † -64700  
WTR YR 1976 ‡ -327200

† Elevation, in feet, at end of month.

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