

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 mi² (1,272 km²).

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 km³) 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 hm³) 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 km³) June 4, 5, 10, 11, 1974, gage height, 4,493.96 ft (1,369.759 m); minimum, 5,230 acre-ft (6.45 hm³) Feb. 5, 1918, gage height, 4,416.1 ft (1,346.03 m).

EXTREMES (AT 2400) FOR CURRENT YEAR.--Maximum contents observed, 675,600 acre-ft (833 hm³) June 23, gage height, 4,475.13 ft (1,364.020 m); minimum observed, 541,700 acre-ft (668 hm³) Sept. 30, gage height, 4,468.83 ft (1,362.099 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 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	578330	575634	574598	583948	600741	622072	631576	643983	664225	672438	653632	594625
2	578538	576878	573977	588123	601164	622503	632227	643765	664668	672661	651214	590636
3	578538	577293	573357	589170	601799	623364	632877	645077	664889	672661	648361	587287
4	576256	577708	573564	589588	602645	624011	632010	645733	665775	672661	647047	583739
5	574598	577293	573357	589170	603493	624873	630926	646609	666662	672883	647047	580200
6	572943	576463	572116	588123	604129	625520	630276	647266	666219	672883	646171	576671
7	571703	577085	572530	587078	604765	626168	630926	648142	665997	672661	646609	573150
8	569845	576049	572736	586451	605189	627032	630709	649238	667328	672661	646171	569638
9	570464	574806	573150	586660	605402	628112	632227	648800	668215	673106	646390	565930
10	571083	573771	572736	585825	604765	629194	633094	649458	668881	673551	646609	563670
11	568607	572530	572943	586451	604977	630060	632660	650555	669547	673551	646171	559774
12	566136	570464	573771	587078	605614	630926	633745	651433	669992	673551	646609	556094
13	564080	571290	573771	586660	606251	631793	634614	652312	670436	674219	646171	552832
14	564902	572736	574391	587287	606888	632444	635266	652972	671103	673551	646390	548970
15	565725	573564	575220	588333	607952	633745	635918	653632	671103	671771	646171	545929
16	566136	574184	575427	588960	608377	633311	636788	654292	671771	669103	646609	544108
17	566959	574184	576256	590007	608803	631143	637440	654512	672216	667549	646390	544917
18	567577	575013	576463	590636	609441	630493	637440	655392	672661	665997	645733	545524
19	568401	575634	577085	591475	610507	630709	637876	656273	673328	664889	641799	545929
20	569020	576463	577915	592314	611787	631576	638529	656934	674665	665332	638529	545322
21	569638	577085	578330	592944	614778	630709	638965	657596	674442	664225	635048	544513
22	570464	575841	578538	593995	615634	631360	638965	658037	674888	664003	631360	543502
23	571290	576049	579369	594625	616919	631576	638311	658699	675556	663118	627032	542088
24	571910	576878	579784	595467	617776	632877	638965	659582	674888	663561	623364	543098
25	571703	577915	580408	596099	618205	631793	639182	660244	674888	663782	619922	543906
26	572116	577915	580824	596941	619063	632010	639400	661349	673551	662233	616490	543098
27	572530	579634	581240	597574	619922	632877	640272	661791	673551	662675	612640	542492
28	573150	575841	580824	597996	620997	632010	640926	662454	672216	661791	609229	542896
29	573771	574806	581240	598629	---	632660	641581	663118	671993	660907	605189	542088
30	574598	575427	581864	599473	---	631576	643109	664003	671771	658919	601799	541685
31	575427	---	582906	599896	---	631143	---	663339	---	656494	598207	---
MAX	578538	579634	582906	599896	620997	633745	643109	664003	675556	674219	653632	594625
MIN	564080	570464	572116	583948	600741	622072	630276	643765	664225	656494	598207	541685
(†)	4470.48	4470.48	4470.84	4471.65	4472.64	4473.11	4473.66	4474.58	4474.96	4474.27	4471.57	4468.83
(‡)	-3320	0	+7480	+17000	+21100	+10100	+12000	+20200	+8430	-15500	-58300	-56500

CAL YR 1976 † -157000

WTR YR 1977 † -37100

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

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