

SACRAMENTO RIVER BASIN

11399000 LAKE ALMANOR AT PRATTVILLE, CALIF.

LOCATION.--Lat 40°12'50", long 121°09'40", in SW¼ 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 miles northwest of Lake Almanor Dam, and 5.6 miles northwest of Canyon Dam.

DRAINAGE AREA.--491 sq mi.

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.

GAGE.--Nonrecording gage monitored once daily. Datum of gage is 10.23 ft below mean sea level (levels by Pacific Gas and Electric Co.). Prior to June 1, 1965, nonrecording gage at site 4.7 miles southeast at same datum.

EXTREMES (at 2400).--Current year: Maximum contents observed, 1,061,000 acre-ft July 12 (gage height, 4,490.92 ft); minimum observed, 651,200 acre-ft Dec. 18 (gage height, 4,474.03 ft).
Period of record: Maximum contents, 1,061,000 acre-ft July 12, 1970 (gage height, 4,490.92 ft); minimum, 5,230 acre-ft Feb. 5, 1918 (gage height, 4,416.1 ft).

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, 1,036,000 acre-ft between gage heights 4,490 ft (upper storage limit) and 4,422 ft (bottom of lowest outlet) of which 8,950 acre-ft 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 (see sta 11399500). Figures given herein represent total contents at 2400 hours. See schematic diagram of North Fork Feather River basin.

COOPERATION.--Record of contents collected by Pacific Gas and Electric Co. under general supervision of the Geological Survey, in connection with a Federal Power Commission project.

REVISIONS.--WSP 1931: Drainage area.

CAPACITY TABLE (GAGE HEIGHT, IN FEET, AND CONTENTS, IN ACRE-FEET)

4,422	8,950	4,432	34,200	4,450	220,800	4,475	672,700
4,424	10,100	4,434	49,500	4,455	294,500	4,480	787,300
4,426	11,300	4,437	74,200	4,460	376,700	4,485	908,500
4,428	13,500	4,440	101,900	4,465	467,000	4,490	1,036,000
4,430	21,200	4,445	156,400	4,470	565,500	4,491	1,063,000

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	845.4	766.9	683.8	691.5	877.3	923.4	926.2	937.5	1,001	1,053	1,019	934.7
2	842.0	763.8	680.5	692.6	880.3	923.4	924.9	939.3	1,002	1,056	1,017	932.0
3	837.9	761.0	677.6	693.9	883.5	919.7	924.2	941.3	1,004	1,054	1,014	929.2
4	837.2	756.6	674.0	695.5	887.2	920.4	923.4	941.5	1,005	1,056	1,011	926.4
5	836.5	758.7	671.6	696.0	889.9	920.4	922.4	942.6	1,006	1,057	1,009	923.2
6	834.3	755.9	668.7	693.7	893.1	919.4	921.4	944.3	1,008	1,057	1,006	920.2
7	831.4	753.8	665.3	691.5	895.8	921.9	920.4	945.8	1,010	1,057	1,004	917.4
8	828.5	751.5	662.9	690.8	898.8	924.7	919.4	947.6	1,011	1,057	1,001	914.4
9	825.4	748.5	660.0	695.3	901.7	926.4	918.4	950.9	1,012	1,057	998.5	911.7
10	823.0	745.9	657.2	697.8	904.2	926.4	917.4	953.7	1,015	1,058	995.9	908.2
11	819.2	742.7	656.9	700.0	906.2	926.7	916.9	954.9	1,017	1,059	993.3	905.2
12	815.8	740.2	660.2	703.4	909.0	925.9	918.9	956.7	1,019	1,061	990.7	902.2
13	812.7	737.6	662.2	709.1	909.7	925.9	920.4	959.0	1,020	1,059	988.2	899.0
14	809.6	734.6	660.7	717.0	912.2	927.2	920.9	960.3	1,023	1,057	985.6	895.8
15	809.6	731.9	658.0	721.8	914.7	929.5	919.9	962.1	1,024	1,055	982.8	892.3
16	809.4	728.7	655.4	728.7	918.2	929.5	920.9	964.6	1,026	1,053	980.2	889.1
17	808.2	725.3	652.8	736.0	919.7	930.0	922.2	967.7	1,028	1,052	977.6	885.9
18	806.3	722.0	651.2	742.5	918.4	929.5	923.7	970.0	1,030	1,049	975.1	882.2
19	804.4	719.1	654.3	747.6	917.2	929.0	925.9	972.3	1,032	1,047	972.3	878.8
20	802.7	715.9	658.3	752.9	915.9	929.0	927.7	974.6	1,034	1,045	969.5	875.1
21	800.1	713.2	666.7	762.9	914.9	929.0	928.5	976.1	1,035	1,043	966.6	871.7
22	797.5	710.0	671.6	775.8	913.9	930.5	929.0	978.4	1,037	1,041	963.8	868.2
23	794.4	706.8	678.2	798.7	913.4	930.2	929.5	981.0	1,038	1,039	961.0	865.1
24	791.5	704.1	681.8	818.9	912.4	929.5	930.5	983.5	1,040	1,037	958.0	863.1
25	788.9	701.2	685.9	831.9	911.4	928.7	932.2	985.9	1,042	1,035	954.9	863.4
26	785.6	698.4	688.5	843.9	910.9	927.5	935.0	988.2	1,043	1,032	951.9	864.1
27	782.6	695.5	691.2	852.7	910.9	927.7	935.7	990.2	1,045	1,030	948.9	865.1
28	779.5	692.4	692.8	859.0	914.7	927.7	936.0	991.8	1,049	1,027	945.8	865.1
29	776.2	689.4	693.0	864.1	-----	928.5	936.2	994.4	1,051	1,025	943.1	865.1
30	773.2	686.3	691.0	868.7	-----	928.5	936.5	997.2	1,053	1,023	940.3	864.8
31	770.1	-----	689.9	873.1	-----	927.5	-----	999.0	-----	1,021	937.5	-----
MAX	845.4	766.9	693.0	873.1	919.7	930.5	936.5	999.0	1,053	1,061	1,019	934.7
MIN	770.1	686.3	651.2	690.8	877.3	919.4	916.9	937.5	1,001	1,021	937.5	863.1
(a)	4,479.27	4,475.61	4,475.77	4,483.57	4,485.25	4,485.76	4,486.12	4,488.57	4,490.62	4,489.41	4,486.16	4,483.23
(b)	-78,400	-83,800	+3,600	+183,200	+41,600	+12,800	+9,000	+62,500	+54,000	-32,000	-83,500	-72,700
CAL YR 1969		b +128,300										
WTR YR 1970		b +16,300										

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