

SACRAMENTO RIVER BASIN

11-3990. LAKE ALMANOR AT PRATTVILLE, CALIF.

LOCATION.--Lat 40°12'50", long 121°09'40", in SW¼NE¼ sec.11, T.27 N., R.7 E., 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 Canyondam.

DRAINAGE AREA.--491 sq mi.

RECORDS AVAILABLE.--July 1913 to September 1967. Monthly contents only for some periods, published in WSP 1315-A. Published as "near Prattville" 1937-64. Prior to October 1964, records published as usable contents.

GAGE.--Telemark 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, staff gage at site 4.7 miles southeast at same datum.

EXTREMES.--Maximum contents observed during year, 1,022,100 acre-ft July 2 (gage height, 4,489.46 ft); minimum observed, 611,300 acre-ft Jan. 19 (gage height, 4,472.19 ft).

1913-67: Maximum contents, 1,039,900 acre-ft June 10, 1965 (gage height, 4,490.14 ft); minimum, 5,230 acre-ft Feb. 5, 1918 (gage height, 4,416.1 ft).

REMARKS.--Lake is formed by earth-fill 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 (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. no. 3995). Figures given herein represent total contents at 2400 hours. See schematic diagram of North Fork Feather River basin.

COOPERATION.--Record of contents furnished by Pacific Gas and Electric Co. in connection with a Federal Power Commission project.

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

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

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400 HOURS, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	628.8	619.7	668.0	669.5	650.8	656.5	701.8	742.2	896.3	1,020.3	964.9	887.2
2	629.2	619.7	672.4	666.2	653.8	654.7	703.6	741.8	900.8	1,022.1	962.6	884.4
3	628.1	619.3	674.7	662.7	656.1	652.5	705.4	741.1	905.5	1,021.9	960.3	882.0
4	627.2	618.8	680.2	659.1	658.7	649.9	707.5	741.6	910.4	1,021.1	957.2	897.5
5	627.9	619.3	683.2	656.3	660.7	647.7	710.2	743.9	915.2	1,020.0	954.7	876.8
6	627.2	621.0	685.2	653.0	662.7	646.2	712.9	745.7	918.7	1,018.7	951.9	874.4
7	626.6	621.2	686.7	649.9	664.4	645.1	714.8	748.0	922.7	1,016.9	949.6	871.9
8	627.7	621.4	687.9	646.2	665.4	643.5	716.3	751.0	926.9	1,014.8	947.3	869.9
9	626.6	621.0	689.7	643.1	666.4	640.1	718.4	755.0	931.0	1,013.5	944.8	865.8
10	626.4	619.9	690.1	639.8	666.0	643.8	720.2	758.2	935.2	1,012.0	942.3	863.1
11	625.7	620.6	689.7	636.8	667.8	648.1	722.3	761.3	939.3	1,010.1	939.5	859.9
12	625.7	621.4	690.3	635.1	669.5	650.1	723.6	763.8	944.8	1,008.3	936.0	858.0
13	625.3	621.8	692.6	630.3	671.3	653.8	725.9	765.9	948.9	1,006.5	935.5	854.4
14	623.8	622.5	694.2	627.0	673.3	655.2	728.0	769.0	953.2	1,004.2	932.7	851.9
15	624.2	626.2	695.5	623.4	673.3	658.3	729.8	772.5	957.7	1,002.4	929.7	849.5
16	623.8	629.2	696.9	620.6	671.8	661.8	731.2	777.4	962.8	1,000.6	927.2	846.6
17	622.7	630.3	698.7	617.5	671.5	664.7	735.1	783.0	967.9	998.2	924.7	844.2
18	623.4	631.6	700.0	614.1	672.9	667.3	736.9	789.4	972.8	996.2	921.9	841.3
19	624.2	638.5	701.4	611.3	674.7	669.5	738.8	797.0	979.2	993.6	918.9	838.9
20	624.2	642.7	702.7	613.5	674.0	672.2	740.4	805.3	983.5	991.5	915.9	836.7
21	625.3	646.8	703.9	619.3	671.3	674.4	742.2	813.4	987.9	989.2	913.9	834.1
22	626.4	648.4	702.1	621.8	668.9	676.4	742.9	822.6	992.5	987.1	911.4	831.4
23	627.2	650.1	699.3	621.8	666.0	680.7	743.2	831.4	996.2	984.8	909.2	829.8
24	628.1	651.7	696.0	623.1	664.2	682.7	742.9	840.3	1,000.3	982.8	906.7	826.6
25	628.8	653.4	693.0	626.4	663.1	685.0	742.7	848.5	1,004.7	980.5	904.2	823.9
26	629.6	654.7	685.4	628.5	661.6	687.2	741.8	856.5	1,008.3	978.4	901.7	821.5
27	629.8	655.8	686.1	630.1	659.6	689.4	741.8	863.6	1,012.2	976.1	899.8	819.9
28	627.9	658.5	682.7	632.0	658.3	691.9	741.1	870.9	1,015.1	973.8	897.0	817.7
29	625.5	660.7	679.6	637.4	-----	693.9	741.8	877.8	1,016.7	971.7	894.6	816.5
30	623.1	662.7	676.0	643.8	-----	696.6	742.9	883.9	1,019.0	969.7	892.1	815.3
31	620.8	-----	672.7	647.9	-----	699.8	-----	889.6	-----	967.2	889.6	-----
(+)	4,472.63	4,474.55	4,475.00	4,473.88	4,474.35	4,476.21	4,478.10	4,484.24	4,489.34	4,487.33	4,484.24	4,481.18
(#)	-7,500	+41,900	+10,000	-24,800	+10,400	+41,500	+43,100	+146,700	+129,400	-51,800	-77,600	-74,300
Max	629.2	662.7	703.9	669.5	674.7	699.8	743.2	889.6	1,019.0	1,022.1	964.9	887.2
Min	620.8	618.8	668.0	611.3	650.8	640.1	701.8	741.1	896.3	967.2	889.6	815.3

Cal yr 1966..... +48,300
 Wat yr 1967..... +187,000

† Elevation, in feet, at end of month.
 # Change in contents, in acre-feet.