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., 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 Canyondam.

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" 1937-64. 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, 1,051,800 acre-ft July 13 (gage height, 4,490.59 ft); minimum observed, 530,200 acre-ft Jan. 12, 13 (gage height, 4,468.26 ft).
Period of record: Maximum contents, 1,051,800 acre-ft July 13, 1969 (gage height, 4,490.59 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 (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 11-3995). 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.

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		

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	598.2	584.0	590.2	559.2	590.9	638.1	615.2	747.6	945.6	1,040	1,023	939.3
2	595.9	585.2	588.3	556.1	591.9	637.0	620.6	753.1	949.9	1,041	1,021	936.5
3	593.8	587.3	586.2	552.8	592.5	636.8	625.1	758.9	954.4	1,043	1,019	933.0
4	591.5	588.1	584.0	550.0	595.9	636.1	629.8	763.6	958.8	1,045	1,016	930.0
5	589.3	588.8	581.9	546.9	599.1	641.8	635.1	769.0	963.3	1,046	1,014	926.7
6	590.4	589.6	580.0	543.9	603.1	658.8	639.4	774.8	967.7	1,049	1,011	923.4
7	588.5	589.4	577.9	541.3	604.8	635.5	642.7	781.6	972.0	1,050	1,009	920.4
8	585.6	589.8	579.0	538.1	607.1	632.7	646.0	788.7	977.6	1,050	1,006	917.2
9	582.9	590.2	578.1	535.0	610.1	630.7	649.2	796.5	982.3	1,050	1,004	913.9
10	580.6	590.6	583.1	532.0	612.4	627.2	652.5	804.8	985.9	1,049	1,002	910.9
11	581.2	594.4	584.8	531.4	615.8	624.4	655.8	813.7	990.5	1,049	999.0	907.5
12	583.1	595.5	584.2	530.2	618.0	621.9	659.6	822.3	993.8	1,050	996.7	904.0
13	583.3	594.6	585.0	530.2	620.6	618.8	663.1	830.7	997.7	1,052	994.6	900.8
14	582.7	593.8	587.3	532.6	623.8	616.3	666.9	838.9	1,001	1,051	992.0	897.0
15	584.4	592.5	591.9	534.0	627.9	613.5	670.2	845.9	1,005	1,050	989.5	893.6
16	584.6	591.7	592.5	538.7	629.4	610.5	674.2	853.6	1,008	1,050	987.1	889.9
17	582.9	591.3	590.4	537.7	631.8	607.9	678.9	860.9	1,010	1,049	984.3	886.2
18	581.0	591.5	589.0	537.5	632.9	605.2	683.2	868.2	1,013	1,048	981.8	882.5
19	581.0	591.9	587.3	541.1	633.5	602.4	687.9	875.1	1,017	1,047	978.9	878.8
20	581.9	592.3	584.4	549.0	634.2	600.1	692.6	881.7	1,019	1,047	975.6	876.3
21	582.9	592.1	581.5	560.0	634.0	597.6	697.8	887.9	1,022	1,046	972.5	872.9
22	583.7	590.4	580.0	565.3	633.5	594.6	703.2	894.6	1,024	1,044	970.0	869.7
23	584.8	591.5	579.2	566.5	634.2	592.3	710.4	900.8	1,026	1,043	966.4	866.3
24	583.7	593.3	579.2	571.5	635.3	591.3	714.3	906.7	1,028	1,041	963.8	862.9
25	584.6	593.2	577.7	576.5	636.3	592.1	718.2	912.9	1,030	1,039	961.3	859.7
26	585.4	591.3	574.4	584.8	636.4	594.4	722.3	917.7	1,031	1,037	958.2	856.8
27	586.2	589.0	572.3	588.5	636.8	596.3	726.4	922.7	1,033	1,035	954.9	855.3
28	586.0	589.8	570.3	589.4	638.1	598.6	731.0	927.5	1,035	1,032	951.6	854.1
29	585.8	588.3	569.4	589.8	------	601.8	736.3	932.0	1,036	1,030	949.1	851.0
30	584.2	589.0	568.2	590.2	------	605.4	742.0	936.5	1,036	1,028	945.8	848.5
31	584.6	------	561.6	590.2	------	609.9	------	941.3	------	1,025	942.8	------
MAX	598.2	595.5	592.5	590.2	638.1	641.8	742.0	941.3	1,036	1,052	1,023	939.3
MIN	580.6	584.0	561.6	530.2	590.9	591.3	615.2	747.6	945.6	1,025	942.8	848.5
(a)	4,470.92	4,471.13	4,469.81	4,471.19	4,473.43	4,472.12	4,478.06	4,486.31	4,490.00	4,489.57	4,486.37	4,482.56
(b)	-15,700	+4,400	-27,400	+28,600	+47,900	-28,200	+132,100	+199,300	+95,000	-11,300	-82,200	-94,300

CAL YR 1968 b -145,000
WTR YR 1969 b +248,200

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