

11470000 LAKE PILLSBURY NEAR POTTER VALLEY, CA

Eel River Basin

LOCATION.--Lat 39°24'30", long 122°57'30" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.14, T.18 N., R.10 W., Lake County, Hydrologic Unit 18010103, Mt Diablo meridian, 10.2 mi northeast of town of Potter Valley.

DRAINAGE AREA.--289 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1922 to September 1928 (daily gage heights only), October 1928 to current year. Monthend contents only for some periods, published in WSP 1315-B. Prior to October 1953, published as "at Hullville."

WATER TEMPERATURE: Water years 1966-68.

GAGE.--Water-stage recorder and nonrecording gage. Datum of gage is 81.7 ft below NGVD of 1929 (river-profile survey). Prior to Jan. 26, 1950, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete overflow-type dam; storage began in December 1921. Beginning Oct. 1, 1985, capacity based on 1984 resurvey. Usable capacity, 80,560 acre-ft, between gage heights 1,822.4 ft, sill of outlet gate, and 1,910.0 ft, top of spillway gates; dead storage, 87 acre-ft. Water is released down Eel River to Van Arsdale Reservoir, most of which is diverted through tunnel to Potter Valley Powerplant (station 11477100); part is then used for irrigation and remainder flows into East Fork Russian River. Records given, including extremes, represent total contents at 2400 hours. See schematic diagram of Eel River Basin.

COOPERATION.--Records collected by Pacific Gas and Electric Company, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 77.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 95,600 acre-ft, May 13, 16, 1925, gage height, 1,910.8 ft, maximum gage height, 1,911.84 ft, Dec. 22, 1964, from floodmarks; minimum contents, 10 acre-ft, Dec. 9, 10, 1931, gage height, 1,822.5 ft.

Capacity table (elevation, in feet, and contents in acre-feet)
(Based on table provided by Pacific Gas and Electric Company, dated April 1984)

1,822.4	87	1,840	2,463	1,865	13,701	1,890	41,811
1,824	153	1,845	3,391	1,870	17,664	1,895	50,179
1,827	333	1,850	5,710	1,875	22,451	1,900	59,469
1,830	626	1,855	7,831	1,880	28,071	1,905	69,675
1,835	1,371	1,860	10,456	1,885	34,474	1,910	80,643

11470000 LAKE PILLSBURY NEAR POTTER VALLEY, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41,100	31,600	24,700	51,000	60,800	69,000	68,900	80,200	79,100	79,100	73,800	64,900
2	40,800	31,100	24,300	51,900	60,300	70,000	70,700	80,200	79,000	79,100	73,600	64,600
3	40,500	30,700	24,100	52,600	60,300	75,700	71,400	80,100	79,100	79,100	73,300	64,300
4	40,100	30,200	23,800	53,000	60,300	76,600	72,500	80,200	79,200	79,100	73,100	64,000
5	39,800	29,900	23,500	53,300	60,300	76,600	73,400	80,200	79,300	79,000	72,700	63,700
6	39,500	29,500	23,700	53,400	64,500	76,500	74,300	79,800	79,400	78,900	72,500	63,400
7	39,200	29,100	26,200	54,500	69,700	76,400	75,100	79,300	79,500	78,900	72,200	63,100
8	38,900	28,800	37,500	55,800	68,400	75,400	76,100	80,800	79,700	78,800	71,900	62,900
9	38,600	28,500	39,700	57,200	67,800	72,700	76,900	80,100	79,400	78,700	71,600	62,600
10	38,300	28,400	40,600	58,900	66,200	68,600	77,200	79,500	79,400	78,600	71,300	62,300
11	38,000	28,400	40,900	60,700	64,700	66,500	77,400	80,000	79,600	78,500	71,100	62,000
12	37,700	28,400	41,000	60,700	64,200	63,800	77,500	80,100	79,700	78,300	70,800	61,700
13	37,400	28,300	41,000	60,500	64,200	62,000	77,200	79,600	79,800	78,200	70,500	61,400
14	37,000	28,100	40,800	60,300	67,300	60,700	77,000	78,600	79,800	78,000	70,200	61,100
15	36,600	27,900	40,600	60,200	67,000	60,800	76,800	77,600	79,800	77,800	69,900	60,800
16	36,200	27,700	40,300	60,400	66,600	60,800	76,800	76,900	78,900	77,700	69,600	60,500
17	35,900	27,500	40,000	60,700	65,900	61,100	76,400	76,800	79,300	77,500	69,300	60,300
18	35,600	27,200	39,600	61,000	65,300	61,800	76,200	79,400	78,900	77,300	69,000	60,000
19	35,700	27,000	39,300	61,300	64,700	62,400	75,900	76,800	79,300	77,000	68,700	59,700
20	35,700	26,700	38,900	61,400	64,100	63,100	75,900	78,100	79,500	76,800	68,400	59,400
21	35,400	26,500	38,500	61,200	64,600	63,800	76,100	79,400	79,600	76,600	68,100	59,200
22	35,000	26,300	38,000	61,100	64,300	64,600	76,600	79,500	79,600	76,400	67,900	58,900
23	34,600	26,100	37,600	61,000	64,600	65,300	77,300	79,300	79,500	76,100	67,600	58,600
24	34,200	25,900	37,100	61,100	64,500	65,900	78,000	78,800	79,300	75,900	67,300	58,300
25	33,900	25,700	36,700	61,500	63,200	66,100	78,500	78,600	79,300	75,700	67,000	58,000
26	34,100	25,500	36,800	63,000	64,300	65,600	79,100	79,000	79,300	75,400	66,700	57,800
27	33,800	25,400	40,700	62,300	66,200	65,400	79,600	79,600	79,300	75,200	66,400	57,600
28	33,400	25,300	43,400	62,600	67,800	65,200	80,000	80,100	79,200	74,900	66,100	57,300
29	33,000	25,200	45,100	61,800	---	65,200	80,200	80,200	79,100	74,600	65,700	57,000
30	32,500	25,000	48,100	61,300	---	65,500	80,200	79,900	79,100	74,400	65,500	56,800
31	32,100	---	49,800	61,000	---	66,200	---	79,500	---	74,100	65,400	---
Total	1,134,600	831,900	1,142,300	1,826,700	1,812,100	2,079,300	2,289,200	2,458,200	2,381,000	2,395,700	2,157,200	1,822,200
Mean	36,600	27,730	36,848	58,926	64,718	67,074	76,307	79,297	79,367	77,281	69,587	60,740
Max	41,100	31,600	49,800	63,000	69,700	76,600	80,200	80,800	79,800	79,100	73,800	64,900
Min	32,100	25,000	23,500	51,000	60,300	60,700	68,900	76,800	78,900	74,100	65,400	56,800
Elevation in feet, at end of month	1883.20	1877.33	1894.77	1900.79	1904.09	1903.35	1909.81	1909.50	1909.32	1907.07	1902.95	1898.59
Change in contents, in acre-feet	-9300	-7100	+24800	+11200	+6800	-1600	+14000	-700	-400	-5000	-8700	-8600

	Calendar Year 2004	Water Year 2005
Total	20,639,800	22,330,400
Mean	56,393	61,179
Max	78,800	80,800
Min	23,500	23,500

11470000 LAKE PILLSBURY NEAR POTTER VALLEY, CA—Continued

