

**11403500 Bucks Lake near Bucks Lodge, CA**

Sacramento River Basin

LOCATION.--Lat 39°53'45", long 121°12'08" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.33, T.24 N., R.7 E., Plumas County, CA, Hydrologic Unit 18020121, Plumas National Forest, in outlet structure, 100 ft upstream from dam on Bucks Creek, 2.0 mi northwest of Bucks Lodge, and 15 mi west of Quincy.

DRAINAGE AREA.--28.6 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Water years 1927-28 (year-end contents only, published in WSP 1315-A), October 1928 to current year. Prior to October 1954, published as "Bucks Creek Reservoir near Bucks Ranch".

GAGE.--Water-stage recorder. Datum of gage is 3.50 ft below NGVD of 1929 (levels by Feather River Power Co.).

COOPERATION.--Records were 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. 619.

REMARKS.--Reservoir is formed by concrete-faced, rockfill dam, completed in 1927; storage began in May 1927. Capacity, 101,400 acre-ft, between elevations 5,064.75 ft, sill of outlet gate, and 5,154.85 ft, spillway crest. Storage of 274 acre-ft is not available for release. Released water flows down Bucks Creek to Lower Bucks Lake (station 11403520), where most of the water is diverted to Bucks Creek Tunnel or Grizzly Powerplant (station 11404240), which discharges into Grizzly Creek. Figures given, including extremes, represent total contents at 2400 hours. See schematic diagram of North Fork Feather River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 107,278 acre-ft, May 17, 1996, elevation, 5,157.9 ft; minimum, 12,330 acre-ft, Feb. 27, 1929, elevation, 5,090.7 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 88,800 acre-ft, June 22 to July 13, maximum elevation, 5,147.65 ft, July 8, 9, 12; minimum, 58,600 acre-ft, Jan. 21, elevation, 5,129.08 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)  
(Based on survey by Feather River Power Co. in 1927)**

<b>Elevation</b>	<b>Contents</b>	<b>Elevation</b>	<b>Contents</b>	<b>Elevation</b>	<b>Contents</b>
5,090	11,742	5,110	32,519	5,140	75,894
5,095	16,183	5,120	45,472	5,150	92,950
5,100	21,180	5,130	59,997	5,160	111,220

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**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY OBSERVATION AT 2400 HOURS**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	77,000	71,600	65,600	62,500	59,000	67,500	74,400	82,500	88,000	88,800	83,000	74,300
2	77,000	71,800	65,700	62,200	59,100	67,600	74,700	83,100	88,000	88,800	82,800	73,900
3	76,700	71,600	65,700	61,900	59,100	67,700	75,000	83,400	88,100	88,800	82,500	73,600
4	76,500	71,400	65,700	61,800	59,200	67,900	75,200	83,700	88,100	88,800	82,300	73,300
5	76,100	71,200	65,800	61,500	59,200	68,000	75,500	83,900	88,300	88,800	82,000	72,900
6	75,900	71,000	65,500	61,100	59,300	68,100	75,800	84,200	88,300	88,800	81,700	72,600
7	75,700	70,800	65,000	60,800	59,500	68,200	76,100	84,500	88,400	88,800	81,500	72,500
8	75,400	70,700	64,900	60,600	60,000	68,400	76,400	84,800	88,400	88,800	81,200	72,300
9	75,200	70,200	65,300	60,400	60,900	68,500	76,700	85,000	88,500	88,800	81,000	72,100
10	75,200	70,200	65,200	60,200	62,500	68,600	76,900	85,300	88,500	88,800	80,700	71,900
11	75,200	70,100	65,300	60,200	63,300	68,800	77,300	85,500	88,500	88,800	80,200	71,600
12	75,200	69,900	65,500	59,800	63,600	68,900	77,500	85,700	88,600	88,800	79,800	71,300
13	75,200	69,800	65,900	59,700	63,900	69,100	77,700	85,900	88,600	88,800	79,300	71,100
14	74,900	69,700	66,400	59,500	64,000	69,400	78,000	86,100	88,600	88,500	78,800	70,900
15	74,700	69,600	66,900	59,300	64,200	69,600	78,200	86,300	88,600	88,200	78,500	70,700
16	74,600	69,300	67,000	59,200	64,400	69,900	78,500	86,400	88,700	87,800	78,100	70,500
17	74,200	69,300	67,100	59,000	64,600	70,200	78,700	86,600	88,700	87,300	77,800	70,300
18	74,000	68,900	67,200	59,000	64,700	70,500	78,900	86,700	88,700	87,000	77,600	69,900
19	73,900	68,400	66,900	58,900	64,900	70,800	79,100	86,900	88,700	86,500	77,500	69,700
20	73,700	68,000	66,500	58,700	65,000	71,100	79,300	87,000	88,700	86,400	77,500	69,500
21	73,600	67,700	66,300	58,600	65,300	71,300	79,600	87,100	88,700	86,400	77,500	69,300
22	73,400	67,400	65,900	58,700	65,600	71,600	80,000	87,200	88,800	86,400	77,300	69,100
23	73,400	67,000	65,600	58,700	65,800	71,800	80,200	87,300	88,800	86,400	77,100	69,000
24	73,500	66,600	65,200	58,800	66,100	72,100	80,400	87,400	88,800	86,000	76,800	68,800
25	73,300	66,200	64,800	58,800	66,600	72,400	80,700	87,500	88,800	85,700	76,600	68,600
26	73,100	65,900	64,800	58,900	67,000	73,000	80,900	87,600	88,800	85,400	76,400	68,400
27	72,900	65,600	64,600	58,900	67,200	73,300	81,200	87,600	88,800	85,100	76,000	68,200
28	72,800	65,600	64,100	59,000	67,400	73,500	81,500	87,700	88,800	84,600	75,500	68,100
29	72,500	e65,600	63,700	59,100	---	73,700	81,900	87,800	88,800	84,300	75,100	67,900
30	72,400	65,600	63,300	58,900	---	73,900	82,100	87,900	88,800	83,900	74,700	67,700
31	72,100	---	63,000	58,900	---	74,200	---	87,900	---	83,500	74,600	---
<b>Max</b>	77,000	71,800	67,200	62,500	67,400	74,200	82,100	87,900	88,800	88,800	83,000	74,300
<b>Min</b>	72,100	65,600	63,000	58,600	59,000	67,500	74,400	82,500	88,000	83,500	74,600	67,700
<b>Elevation, in feet, at end of month</b>	5,137.67	5,133.60	5,131.92	5,129.31	5,134.75	5,138.95	5,143.74	5,147.13	5,147.61	5,144.52	5,139.19	5,134.92
<b>Change in contents, in acre-feet</b>	-4,800	-6,500	-2,600	-4,100	+8,500	+6,800	+7,900	+5,800	+900	-5,300	-8,900	-6,900

	Calendar Year 2006	Water Year 2007
<b>Max</b>	106,000	88,800
<b>Min</b>	63,000	58,600
<b>Change in contents, in acre-feet</b>	-13,900	-9,200

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