

Water-Data Report 2013

## 11361400 Lake Britton near Burney, CA

Sacramento River Basin

LOCATION.--Lat 41°01'20", long 121°40'32" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.19, T.37 N., R.3 E., Shasta County, CA, Hydrologic Unit 18020003, Shasta National Forest, at control house on right bank, 200 ft upstream from dam on Pit River, 1.1 mi downstream from Clark Creek, 1.3 mi northwest of Burney Falls, and 9 mi north of Burney.

DRAINAGE AREA.--4,607 mi<sup>2</sup>, excluding Goose Lake Basin.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1965 to current year (monthend contents only). Fragmentary records for water years 1925-65 in files of the Pacific Gas and Electric Company.

GAGE.--Remote telemark read once daily. Datum of gage is 19.53 ft below NGVD of 1929 (levels by Pacific Gas and Electric Co.). Monthend contents based on capacity table dated Dec. 1, 1976, provided by Pacific Gas and Electric Co.

COOPERATION.--Record of contents collected by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project no. 233. Contents not rounded to U.S. Geological Survey standards prior to water year 2003 and for water year 2012.

REMARKS.--Reservoir is formed by gravity-type concrete dam. Storage began July 15, 1925. Usable capacity, 41,877 acre-ft, between elevations 2,665.0 ft, invert of sluice gate, and 2,758.0 ft, top of flash boards. Dead storage, 30 acre-ft. Normal operating pool is from elevation 2,744.0 ft, capacity, 26,183 acre-ft, to 2,757.0 ft, capacity, 40,626 acre-ft. Figures given represent total contents. Lake is used for power generation and recreation. Records prior to water year 1977 reported usable contents only. See schematic diagram of Pit River and McCloud River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(at 2400 hours) Maximum total contents, 47,922 acre-ft, Feb. 20, 1986, elevation, 2,762.50 ft; minimum total contents, 26,755 acre-ft, Oct. 9, 1976, elevation, 2,744.60 ft.

EXTREMES FOR CURRENT YEAR.--(at 2400 hours) Maximum contents, 38,110 acre-ft, July 4, elevation, 2,754.98 ft; minimum, 33,496 acre-ft, June 8, elevation, 2,751.05 ft.

**11361400 Lake Britton near Burney, CA—Continued**

**RESERVOIR STORAGE, ACRE FEET  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013  
DAILY OBSERVATION AT 2400 HOURS**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	33,800	35,900	33,600	34,000	34,300	34,100	34,800	34,600	34,700	37,400	35,900	36,500
<b>2</b>	33,900	36,600	34,300	33,900	33,900	33,600	33,900	34,700	34,800	38,100	35,900	36,400
<b>3</b>	34,000	36,700	34,500	33,900	33,700	33,600	33,800	34,600	34,100	38,000	35,400	36,400
<b>4</b>	34,000	36,700	35,700	34,000	34,100	34,500	33,800	35,500	33,800	38,100	35,000	36,400
<b>5</b>	33,900	36,700	35,900	34,300	34,000	34,500	34,200	35,700	34,000	38,000	34,000	36,200
<b>6</b>	33,600	36,700	35,300	33,800	34,500	35,200	34,200	35,300	34,100	37,800	33,900	36,200
<b>7</b>	34,100	36,600	34,200	33,900	34,900	35,200	34,300	34,800	33,500	37,600	34,000	36,100
<b>8</b>	33,900	36,500	33,500	34,200	34,900	35,200	34,400	35,800	33,600	37,200	34,400	36,100
<b>9</b>	34,000	36,600	33,600	34,300	34,000	35,500	34,200	35,700	34,100	36,900	35,000	36,000
<b>10</b>	34,000	36,500	34,400	34,200	33,600	35,600	34,000	35,300	33,800	36,600	35,200	36,000
<b>11</b>	33,900	36,200	34,100	34,000	34,200	35,600	34,000	35,200	33,900	36,200	35,400	35,900
<b>12</b>	33,800	35,900	33,800	33,800	34,400	35,800	34,400	34,700	33,800	35,900	35,500	35,800
<b>13</b>	33,800	35,400	34,000	33,800	34,400	35,800	33,700	34,000	33,800	35,500	35,600	35,800
<b>14</b>	33,800	35,200	33,900	33,600	34,200	35,800	34,000	33,900	33,900	35,100	35,500	35,700
<b>15</b>	33,800	34,500	33,500	33,700	34,000	36,100	33,800	34,400	34,200	34,900	35,400	35,600
<b>16</b>	33,800	34,200	33,900	33,700	33,900	36,100	34,100	35,200	34,900	35,600	35,100	35,600
<b>17</b>	33,800	34,000	33,800	33,800	33,700	36,100	34,300	35,400	35,000	35,900	35,100	35,600
<b>18</b>	33,800	34,100	33,600	33,700	33,600	35,900	34,100	35,600	35,200	36,000	35,100	35,600
<b>19</b>	34,000	34,000	33,900	33,700	33,900	35,800	33,600	35,800	35,300	36,000	34,900	35,500
<b>20</b>	33,800	33,700	34,300	33,800	34,300	35,800	33,700	35,700	35,400	36,000	34,700	35,200
<b>21</b>	34,000	33,800	33,700	33,800	34,400	35,800	34,100	34,900	35,200	36,100	34,300	35,400
<b>22</b>	33,800	34,000	33,800	33,900	34,500	35,700	33,600	34,900	34,800	36,000	34,200	35,600
<b>23</b>	34,100	34,100	33,900	33,800	33,600	35,400	34,100	35,100	34,700	36,100	34,500	35,600
<b>24</b>	34,300	33,900	33,700	34,300	33,500	36,600	34,300	34,800	34,500	36,000	36,800	35,400
<b>25</b>	34,200	34,200	33,900	34,300	35,000	36,700	34,000	34,700	34,900	35,900	36,800	34,700
<b>26</b>	34,100	33,800	33,800	34,200	34,600	36,700	34,100	34,800	35,600	35,800	36,800	34,900
<b>27</b>	34,000	33,600	34,000	34,000	34,400	36,800	34,000	34,400	35,800	35,900	36,800	34,200
<b>28</b>	34,000	33,600	34,000	33,800	34,200	36,700	34,100	34,000	35,700	36,000	36,800	34,300
<b>29</b>	34,000	33,700	33,800	34,200	---	36,100	34,200	34,300	35,400	35,900	36,700	34,100
<b>30</b>	34,000	34,000	33,600	34,000	---	35,400	34,200	34,700	36,700	35,900	36,600	33,600
<b>31</b>	34,100	---	34,300	34,300	---	35,000	---	34,600	---	35,800	36,500	---
<b>Max</b>	34,300	36,700	35,900	34,300	35,000	36,800	34,800	35,800	36,700	38,100	36,800	36,500
<b>Min</b>	33,600	33,600	33,500	33,600	33,500	33,600	33,600	33,900	33,500	34,900	33,900	33,600

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