

11315400 Upper Bear River Reservoir near Pardoe Camp, CA

San Joaquin River Basin

LOCATION.--Lat 38°33'30", long 120°13'01" referenced to North American Datum of 1983, in NE ¼ SW ¼ sec.9, T.8 N., R.16 E., Amador County, CA, Hydrologic Unit 18040012, in Eldorado National Forest, on east side of Bear River Reservoir, between mile 8 and 9 at pack trail, 7.1 mi southeast of Plasse, 8.7 mi east of Hams Station, and 12.7 mi southwest of Kirkwood.

DRAINAGE AREA.--28.11 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,870 ft above NGVD of 1929, from topographic map.

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. 2130.

REMARKS.--Reservoir is formed by rock-fill dam with placed rock on both the upstream and downstream side, gunited on the upstream face, completed in 1900; record began in October 1902. Capacity, 7,310 acre-ft, at elevation 5,878 ft, top of flashboards. Water level is regulated in the spring by the addition of flashboards. Releases are made through a gate valve at the base of the dam. Valve is usually closed in the fall after the lake is drained and not used again until May. Figures given, including extremes, represent total contents. See schematic diagram of Mokelumne River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 7,480 acre-ft, June 25, 26, 2005, maximum gage height, 79.02 ft, June 25; minimum, 580 acre-ft, Nov. 4-6, 2002, minimum gage height, 24.25 ft, Nov. 6.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 7,400 acre-ft, May 20, gage height, 78.52 ft; minimum, 783 acre-ft, Feb. 3, gage height, 27.29 ft.

**Capacity table (gage height, in feet, and contents, in acre-feet)
(Table provided by Pacific Gas and Electric Company, dated October 1994)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
0	0	30	990	60	4,465
10	78	40	1,929	72	6,296
22	448	50	3,106	82	8,000

11315400 Upper Bear River Reservoir near Pardoe Camp, CA—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,450	1,470	3,050	2,210	807	3,500	7,060	7,130	7,350	6,850	6,360	1,710
2	1,440	1,500	3,000	2,120	793	3,500	7,060	7,080	7,340	6,830	6,240	1,590
3	1,440	1,550	2,950	2,050	783	3,500	7,070	7,060	7,330	6,810	6,050	1,480
4	1,440	1,580	2,910	2,220	792	3,530	7,100	7,060	7,310	6,800	5,870	1,370
5	1,450	1,590	2,860	2,230	816	3,560	7,100	7,050	7,320	6,780	5,690	1,260
6	1,450	1,600	2,820	2,190	863	3,610	7,140	7,070	7,330	6,760	5,510	1,190
7	1,450	1,600	2,770	2,140	910	3,680	7,130	7,100	7,310	6,750	5,340	1,190
8	1,450	1,620	2,730	2,140	948	3,760	7,120	7,120	7,290	6,730	5,160	1,190
9	1,450	1,630	2,710	2,080	1,310	3,840	7,120	7,130	7,260	6,710	4,990	1,190
10	1,450	1,640	2,690	2,020	1,960	3,900	7,090	7,140	7,240	6,700	4,830	1,180
11	1,440	1,650	2,670	1,900	2,500	4,020	7,070	7,120	7,210	6,680	4,660	1,170
12	1,440	1,650	2,690	1,810	2,650	4,250	7,060	7,120	7,190	6,670	4,490	1,170
13	1,440	2,070	2,910	1,730	2,730	4,520	7,070	7,100	7,170	6,650	4,350	1,170
14	1,440	2,980	3,170	1,640	2,780	4,840	7,060	7,100	7,150	6,640	4,170	1,170
15	1,440	3,050	3,400	1,550	2,840	5,190	7,040	7,110	7,130	6,630	4,020	1,170
16	1,440	3,080	3,460	1,470	2,930	5,610	7,070	7,100	7,110	6,610	3,870	1,170
17	1,440	3,100	3,460	1,380	3,070	6,080	7,060	7,090	7,090	6,600	3,720	1,170
18	1,440	3,120	3,430	1,290	3,210	6,540	7,050	7,080	7,070	6,580	3,570	1,170
19	1,430	3,140	3,400	1,210	3,270	6,930	7,040	7,250	7,050	6,560	3,420	1,160
20	1,430	3,100	3,320	1,130	3,320	7,080	7,040	7,400	7,030	6,550	3,280	1,170
21	1,430	3,110	3,230	1,050	3,350	7,060	7,040	7,390	7,010	6,530	3,130	1,170
22	1,430	3,110	3,140	975	3,390	7,060	7,040	7,360	7,000	6,520	3,000	1,170
23	1,430	3,130	3,030	902	3,410	7,070	7,070	7,370	6,980	6,500	2,860	1,170
24	1,420	3,140	2,930	869	3,430	7,090	7,100	7,360	6,960	6,490	2,720	1,170
25	1,420	3,140	2,830	866	3,450	7,090	7,090	7,360	6,950	6,470	2,580	1,170
26	1,470	3,150	2,750	866	3,480	7,070	7,120	7,370	6,930	6,460	2,450	1,170
27	1,470	3,170	2,670	859	3,500	7,050	7,140	7,370	6,910	6,440	2,320	1,170
28	1,470	3,180	2,580	849	3,500	7,040	7,150	7,360	6,900	6,420	2,200	1,170
29	1,470	3,150	2,480	838	---	7,040	7,150	7,350	6,880	6,410	2,070	1,170
30	1,470	3,100	2,390	828	---	7,040	7,150	7,350	6,860	6,390	1,940	1,160
31	1,470	---	2,300	817	---	7,060	---	7,350	---	6,370	1,830	---
Max	1,470	3,180	3,460	2,230	3,500	7,090	7,150	7,400	7,350	6,850	6,360	1,710
Min	1,420	1,470	2,300	817	783	3,500	7,040	7,050	6,860	6,370	1,830	1,160
Gage height, in feet, at end of month	35.44	49.94	43.35	27.76	53.02	76.56	77.07	78.25	75.42	72.48	39.03	32.09
Change in contents, in acre-feet	+20	+1630	-800	-1,480	+2,680	+3,560	+90	+200	-490	-490	-4,540	-670

	Calendar Year 2006	Water Year 2007
Max	7,410	7,400
Min	1,420	783
Change in contents, in acre-feet	-4,650	-290

11315400 Upper Bear River Reservoir near Pardoe Camp, CA—Continued

