

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, 7,390 acre-ft, June 5, 6, maximum gage height, 78.47 ft, June 6; minimum, 704 acre-ft, Nov. 21, 23, gage height, 26.16 ft, Nov. 21.

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

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

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,160	1,270	708	1,020	1,950	1,340	1,800	7,090	7,070	7,000	6,710	4,320
2	1,160	1,270	708	1,030	1,990	1,370	1,780	7,090	7,210	6,980	6,700	4,240
3	1,160	1,270	708	1,050	2,020	1,400	1,810	7,110	7,350	6,970	6,690	4,160
4	1,160	1,270	709	1,140	2,050	1,430	1,910	7,100	7,380	6,960	6,680	4,080
5	1,160	1,270	710	1,200	2,070	1,420	2,010	7,140	7,390	6,950	6,670	4,000
6	1,160	1,270	720	1,240	2,090	1,390	2,120	7,150	7,390	6,950	6,620	3,920
7	1,160	1,240	737	1,260	2,040	1,350	2,200	7,150	7,380	6,930	6,530	3,840
8	1,160	1,180	749	1,290	1,940	1,330	2,250	7,150	7,380	6,920	6,430	3,760
9	1,160	1,130	759	1,310	1,830	1,320	2,230	7,150	7,380	6,910	6,340	3,690
10	1,170	1,090	769	1,340	1,740	1,330	2,260	7,160	7,380	6,900	6,240	3,610
11	1,170	1,130	776	1,370	1,660	1,320	2,450	7,160	7,360	6,890	6,150	3,530
12	1,170	1,090	780	1,410	1,580	1,310	2,770	7,140	7,360	6,890	6,060	3,450
13	1,170	1,050	783	1,440	1,520	1,520	3,200	7,130	7,360	6,880	5,970	3,380
14	1,170	1,010	787	1,470	1,440	1,610	3,610	7,170	7,360	6,880	5,870	3,300
15	1,170	959	793	1,500	1,360	1,620	3,830	7,180	7,360	6,880	5,780	3,230
16	1,180	913	798	1,530	1,290	1,560	3,970	7,180	7,350	6,870	5,690	3,150
17	1,190	867	804	1,550	1,230	1,480	4,220	7,170	7,330	6,860	5,600	3,080
18	1,200	820	819	1,580	1,210	1,440	4,570	7,160	7,320	6,840	5,510	3,010
19	1,200	774	827	1,600	1,220	1,460	4,820	7,120	7,300	6,830	5,430	2,940
20	1,260	728	845	1,630	1,220	1,480	4,930	7,110	7,280	6,830	5,340	2,870
21	1,270	704	855	1,660	1,220	1,480	4,950	7,080	7,260	6,810	5,250	2,800
22	1,270	705	866	1,680	1,210	1,510	4,960	7,060	7,230	6,800	5,160	2,730
23	1,270	704	878	1,700	1,200	1,580	4,950	7,060	7,210	6,790	5,080	2,660
24	1,270	705	901	1,730	1,200	1,670	4,900	7,070	7,190	6,780	4,990	2,590
25	1,270	706	918	1,750	1,180	1,780	4,930	7,080	7,160	6,770	4,910	2,520
26	1,270	706	933	1,770	1,170	1,870	5,220	7,070	7,130	6,760	4,820	2,450
27	1,270	706	946	1,810	1,180	1,930	5,840	7,090	7,100	6,750	4,740	2,390
28	1,270	707	958	1,840	1,210	1,930	6,500	7,070	7,070	6,740	4,650	2,320
29	1,280	708	971	1,870	1,280	1,910	7,010	7,070	7,050	6,730	4,570	2,230
30	1,270	708	986	1,900	---	1,890	7,070	7,080	7,020	6,720	4,490	2,150
31	1,270	---	1,000	1,930	---	1,840	---	7,080	---	6,710	4,400	---
Max	1,280	1,270	1,000	1,930	2,090	1,930	7,070	7,180	7,390	7,000	6,710	4,320
Min	1,160	704	708	1,020	1,170	1,310	1,780	7,060	7,020	6,710	4,400	2,150
Gage height, in feet, at end of month	33.30	26.22	30.14	40.00	33.39	39.17	76.65	76.66	76.34	74.53	59.57	42.03
Change in contents, in acre-feet	+110	-562	+292	+930	-650	+560	+5,230	+10	-60	-310	-2,310	-2,250

	Calendar Year 2007	Water Year 2008
Max	7,400	7,390
Min	704	704
Change in contents, in acre-feet	-1,300	+990

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