

11315600 Lower Bear River Reservoir near Nicholl, CA

San Joaquin River Basin

LOCATION.--Lat 38°32'20", long 120°15'22" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.18, T.8 N., R.16 E., Amador County, CA, Hydrologic Unit 18040012, in Eldorado National Forest, 100 ft left of the spillway, 7.4 mi east of Hams Station, and 14.6 mi southwest of Kirkwood.

DRAINAGE AREA.--37.3 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 5,820 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 two rock-fill concrete-faced dams, completed in 1952. Capacity, 52,000 acre-ft, at elevation 5,820 ft. 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, 52,100 acre-ft, June 6, 7, 2002, June 17, 18, 2003, May 28, 2004, maximum elevation, 5,820.12 ft, June 6, 7, 2002, May 28, 2004; minimum, 3,460 acre-ft, Jan. 7, 2003, elevation, 5,713.07 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 49,000 acre-ft, June 1-7, maximum elevation, 5,815.92 ft, June 2, 4-6; minimum, 3,680 acre-ft, Feb. 28, elevation, 5,714.78 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Table provided by Pacific Gas and Electric Company, dated October 1997)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
5,600	0	5,680	1,007	5,760	16,112
5,620	24	5,700	2,152	5,780	26,140
5,640	104	5,720	4,390	5,800	38,105
5,660	354	5,740	8,647	5,824	55,036

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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	24,100	20,100	11,100	7,850	4,130	3,820	7,980	25,000	49,000	46,100	38,000	30,400
2	24,100	19,600	10,800	7,630	4,130	3,880	8,300	26,000	49,000	46,000	37,900	30,300
3	24,000	19,100	10,800	7,400	4,130	3,940	8,670	26,900	49,000	45,800	37,800	30,300
4	24,000	18,600	10,800	7,370	4,130	3,990	9,070	28,000	49,000	45,600	37,700	30,400
5	24,000	18,200	10,800	7,430	4,120	4,080	9,470	29,300	49,000	45,300	37,500	30,300
6	24,000	17,700	10,800	7,430	4,110	4,190	9,900	30,900	49,000	45,100	37,500	29,900
7	24,000	17,300	10,900	7,430	4,110	4,310	10,300	32,300	49,000	44,700	37,400	29,500
8	23,900	16,900	10,800	7,450	4,220	4,430	10,700	33,600	48,900	44,300	37,400	29,100
9	23,900	16,500	10,800	7,340	4,350	4,550	11,000	34,800	48,800	43,800	37,400	28,700
10	23,900	16,200	10,800	7,120	4,480	4,720	11,300	36,000	48,700	43,400	37,300	28,300
11	23,900	15,800	10,800	6,900	4,600	4,980	11,800	36,900	48,800	42,900	37,300	28,000
12	23,900	15,300	10,800	6,670	4,730	5,260	12,400	37,700	48,800	42,500	37,000	27,600
13	23,900	15,100	10,800	6,450	4,860	5,820	13,100	38,500	48,800	42,000	36,700	27,200
14	23,800	14,900	10,800	6,220	4,960	6,240	13,900	39,400	48,800	41,600	36,300	26,800
15	23,800	14,800	10,700	6,000	5,070	6,540	14,500	41,000	48,700	41,400	35,900	26,400
16	23,800	14,500	10,700	5,830	5,180	6,660	15,000	42,500	48,700	41,100	35,500	26,100
17	23,800	14,300	10,700	5,590	5,290	6,660	15,600	43,900	48,600	40,900	35,200	25,700
18	23,800	14,100	10,700	5,350	5,250	6,690	16,400	45,200	48,500	40,700	34,800	25,300
19	23,800	13,900	10,500	5,120	5,070	6,800	17,000	46,000	48,400	40,400	34,500	24,900
20	23,800	13,700	10,300	4,880	4,890	6,860	17,600	46,700	48,100	40,200	34,100	24,500
21	23,800	13,500	10,000	4,650	4,800	6,850	18,000	47,100	47,700	40,000	33,700	24,100
22	23,800	13,300	9,820	4,410	4,620	6,860	18,500	47,200	47,300	39,800	33,400	24,100
23	23,800	13,000	9,600	4,180	4,440	6,930	18,900	47,200	47,200	39,500	33,000	24,100
24	23,700	12,800	9,360	4,110	4,260	7,030	19,400	47,500	47,000	39,300	32,700	24,200
25	23,200	12,600	9,150	4,100	4,080	7,140	19,800	47,700	47,000	39,100	32,300	24,200
26	22,800	12,300	8,920	4,090	3,900	7,250	20,500	47,900	47,000	38,800	31,900	24,300
27	22,300	12,100	8,820	4,110	3,710	7,350	21,300	48,100	46,800	38,600	31,600	24,300
28	21,900	11,800	8,750	4,120	3,680	7,380	22,300	48,300	46,600	38,400	31,200	24,400
29	21,500	11,600	8,530	4,120	3,750	7,400	23,200	48,500	46,400	38,300	30,900	24,400
30	21,000	11,400	8,310	4,120	---	7,420	24,200	48,600	46,200	38,300	30,700	24,400
31	20,600	---	8,080	4,120	---	7,670	---	48,800	---	38,200	30,600	---
Max	24,100	20,100	11,100	7,850	5,290	7,670	24,200	48,800	49,000	46,100	38,000	30,400
Min	20,600	11,400	8,080	4,090	3,680	3,820	7,980	25,000	46,200	38,200	30,600	24,100
Elevation, in feet, at end of month	5,769.36	5,748.39	5,737.92	5,718.14	5,715.32	5,736.35	5,776.45	5,815.64	5,812.04	5,800.08	5,787.86	5,776.96
Change in contents, in acre-feet	-3,500	-9,200	-3,320	-3,960	-370	+3,920	+16,530	+24,600	-2,600	-8,000	-7,600	-6,200

	Calendar Year 2007	Water Year 2008
Max	50,300	49,000
Min	3,480	3,680
Change in contents, in acre-feet	-190	+300

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