

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, 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 rockfill 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.

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, 51,200 acre-ft, June 9, elevation, 5,818.83 ft; minimum, 13,900 acre-ft, Dec. 17, elevation, 5,754.93 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 2005 TO SEPTEMBER 2006
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20,700	19,600	17,900	37,500	36,100	32,500	22,100	24,300	45,100	48,200	34,400	24,200
2	20,200	19,600	18,200	38,600	36,600	32,400	21,800	25,500	45,700	47,800	34,100	24,100
3	20,100	19,600	17,900	39,000	36,700	32,300	21,600	26,400	46,600	47,400	33,400	23,900
4	20,000	19,600	17,700	39,300	36,900	32,000	21,700	27,300	47,400	46,900	32,700	23,700
5	20,000	19,600	17,400	38,900	36,800	31,600	21,700	28,000	49,000	46,400	32,300	23,600
6	20,000	19,600	17,200	38,900	36,700	31,300	21,400	28,800	49,900	45,900	31,800	23,400
7	20,000	19,600	16,900	38,900	36,600	31,000	21,100	29,600	50,600	45,400	31,400	23,300
8	20,000	19,600	16,500	38,600	36,600	30,700	20,800	30,500	51,000	44,900	30,900	23,300
9	20,000	19,500	16,200	38,500	36,500	30,400	20,500	31,400	51,200	44,400	30,600	23,300
10	19,900	19,500	15,900	38,300	36,300	30,100	20,200	33,100	51,100	43,900	30,400	23,300
11	19,900	19,500	15,500	38,200	36,000	29,800	19,900	33,800	51,100	43,400	30,100	23,300
12	19,900	19,500	15,100	38,400	35,800	29,400	19,700	34,800	51,100	42,900	29,800	23,300
13	19,900	19,400	14,800	38,400	35,600	29,100	19,400	35,900	51,100	42,400	29,500	23,400
14	19,900	19,400	14,600	38,400	35,400	28,800	19,200	37,000	50,900	42,000	29,200	23,400
15	19,800	19,400	14,300	38,300	35,000	28,400	19,100	38,200	50,700	41,800	28,900	23,400
16	19,800	19,400	14,000	38,300	34,500	28,000	18,900	39,600	50,700	41,500	28,600	23,400
17	19,800	19,400	13,900	38,200	34,100	27,700	18,700	40,800	50,700	41,300	28,300	23,400
18	19,800	19,300	14,000	38,100	33,800	27,400	18,500	42,300	50,700	41,300	27,800	23,400
19	19,700	19,200	14,200	38,000	33,400	27,000	18,200	43,200	50,600	40,600	27,500	23,300
20	19,700	18,900	14,200	37,900	33,000	26,600	17,900	43,800	50,400	39,900	27,200	23,300
21	19,700	18,800	14,300	37,700	32,700	26,300	17,800	44,400	50,600	39,400	26,800	23,100
22	19,700	18,600	17,200	37,600	32,100	25,900	17,900	45,100	50,700	39,000	26,300	23,000
23	19,700	18,500	18,900	37,400	31,600	25,500	18,000	45,500	50,700	38,500	25,900	23,000
24	19,700	18,300	19,200	37,300	31,100	25,000	18,100	45,700	50,500	38,000	25,600	22,900
25	19,700	18,200	19,600	37,100	30,600	24,600	18,200	45,800	50,200	37,600	25,300	22,900
26	19,600	17,900	20,000	37,000	30,200	24,200	18,400	45,700	50,000	37,100	25,000	22,800
27	19,700	17,700	20,300	36,800	30,100	23,800	19,100	45,300	49,700	36,600	24,600	22,800
28	19,700	17,600	22,800	36,700	32,500	23,500	20,400	44,700	49,200	36,100	24,300	22,800
29	19,700	17,700	23,700	36,500	---	23,200	21,700	44,200	48,800	35,500	24,400	22,800
30	19,600	17,700	25,500	36,400	---	22,800	23,000	44,100	48,500	35,000	24,500	22,800
31	19,600	---	36,100	36,200	---	22,500	---	44,500	---	34,600	24,400	---
Max	20,700	19,600	36,100	39,300	36,900	32,500	23,000	45,800	51,200	48,200	34,400	24,200
Min	19,600	17,600	13,900	36,200	30,100	22,500	17,800	24,300	45,100	34,600	24,300	22,800
Elevation, in feet, at end of month	5,767.54	5,763.48	5,796.87	5,797.11	5,791.00	5,773.20	5,774.30	5,809.51	5,815.14	5,794.61	5,776.84	5,773.78
Change in contents, in acre-feet	-1,500	-1,900	+18,400	+100	-3,700	-10,000	+500	+21,500	+4,000	-13,900	-10,200	-1,600

	Calendar Year 2005	Water Year 2006
Max	51,800	51,200
Min	6,020	13,900
Change in contents, in acre-feet	+17,900	+1,700

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