11441760 Junction Reservoir near Pollock Pines, CA

Sacramento River Basin

LOCATION.--Lat 38°51′07″, long 120°27′22″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.30, T.12 N., R.14 E., El Dorado County, CA, Hydrologic Unit 18020129, in outlet structure to Jaybird Powerplant, 100 ft upstream from left abutment of Junction Diversion Dam, 0.3 mi downstream from South Fork Silver Creek, and 9.0 mi northeast of Pollock Pines.

DRAINAGE AREA.--146 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1991 to current year. Unpublished records for water years 1980-91 available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Sacramento Municipal Utility District). Prior to Apr. 13, 1987, nonrecording gage at same site and datum.

COOPERATION.--Records were collected by Sacramento Municipal Utility District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2101.

REMARKS.--Reservoir is formed by concrete arch dam completed in 1962. Storage began in 1962. Capacity, 2,610 acre-ft at 4,450 ft, crest of spillway. Most of the flow is diverted at this reservoir to Jaybird Powerplant (station 11441780). Records, including extremes, represent total contents at 2400 hours. See schematic diagram of South Fork American River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,737 acre-ft, Jan. 2, 1997, elevation, 4,459.10 ft; minimum, 462 acre-ft, May 3-7, 2001, minimum elevation, 4,394.70 ft, May 3, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,520 acre-ft, Jul. 27, elevation, 4,448.53 ft; minimum, 1,070 acre-ft, Jan. 7, elevation, 4,418.27 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Sacramento Municipal Utility District, surveyed May 2000)

Elevation	Contents	Elevation	Contents	Elevation	Contents
4,390	381	4,410	818	4,440	2,020
4,400	572	4,420	1,130	4,460	3,310

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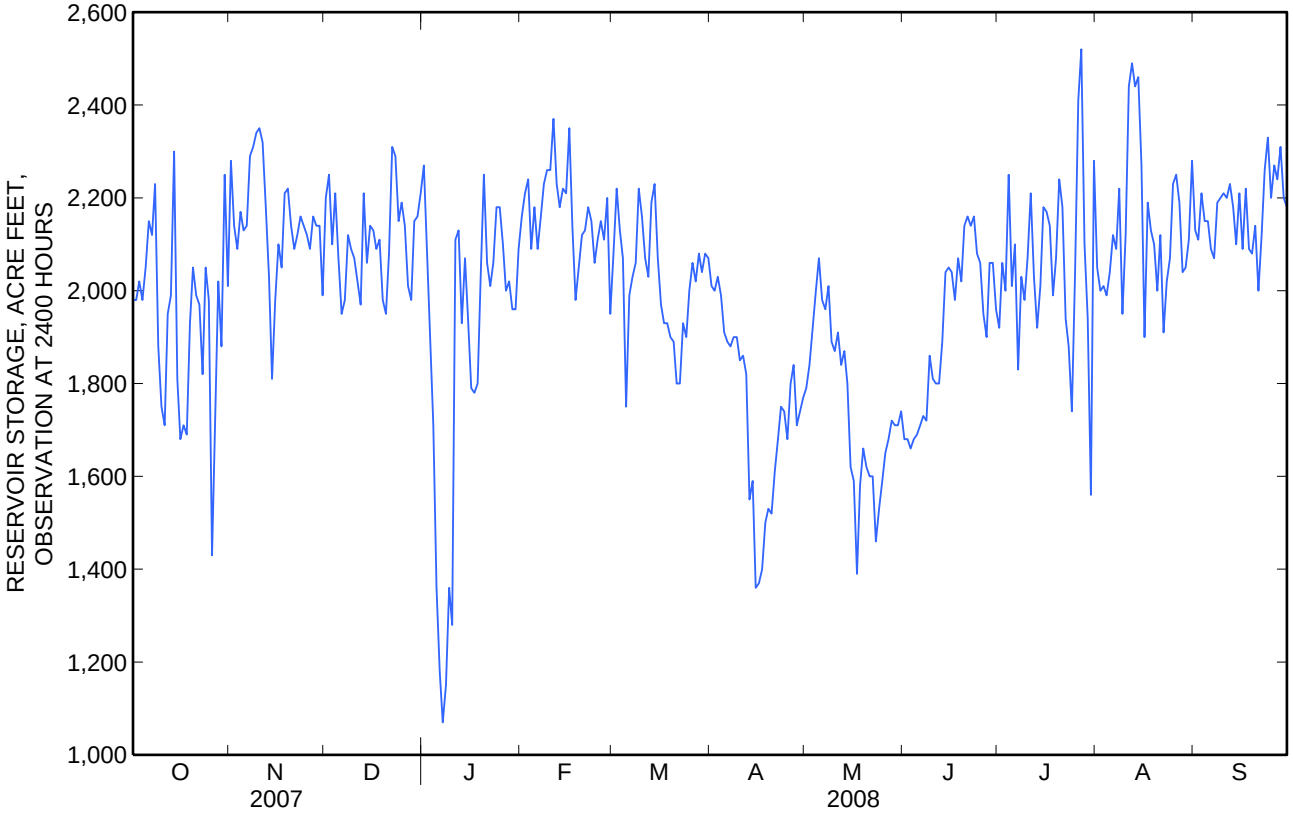
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,980	2,280	2,200	2,270	2,160	2,080	2,010	1,790	1,680	1,920	2,050	2,130
2	1,980	2,140	2,250	2,090	2,210	2,220	2,000	1,840	1,680	2,060	2,000	2,110
3	2,020	2,090	2,100	1,900	2,240	2,130	2,030	1,920	1,660	2,000	2,010	2,210
4	1,980	2,170	2,210	1,710	2,090	2,070	1,990	2,000	1,680	2,250	1,990	2,150
5	2,050	2,130	2,070	1,360	2,180	1,750	1,910	2,070	1,690	2,010	2,040	2,150
6	2,150	2,140	1,950	1,180	2,090	1,990	1,890	1,980	1,710	2,100	2,120	2,090
7	2,120	2,290	1,980	1,070	2,160	2,030	1,880	1,960	1,730	1,830	2,090	2,070
8	2,230	2,310	2,120	1,150	2,230	2,060	1,900	2,010	1,720	2,030	2,220	2,190
9	1,880	2,340	2,090	1,360	2,260	2,220	1,900	1,890	1,860	1,980	1,950	2,200
10	1,750	2,350	2,070	1,280	2,260	2,160	1,850	1,870	1,810	2,070	2,120	2,210
11	1,710	2,320	2,020	2,110	2,370	2,070	1,860	1,910	1,800	2,210	2,440	2,200
12	1,950	2,180	1,970	2,130	2,230	2,030	1,820	1,840	1,800	2,030	2,490	2,230
13	1,990	2,030	2,210	1,930	2,180	2,190	1,550	1,870	1,890	1,920	2,440	2,180
14	2,300	1,810	2,060	2,070	2,220	2,230	1,590	1,800	2,040	2,010	2,460	2,100
15	1,810	1,980	2,140	1,940	2,210	2,070	1,360	1,620	2,050	2,180	2,270	2,210
16	1,680	2,100	2,130	1,790	2,350	1,970	1,370	1,590	2,040	2,170	1,900	2,090
17	1,710	2,050	2,090	1,780	2,140	1,930	1,400	1,390	1,980	2,140	2,190	2,220
18	1,690	2,210	2,110	1,800	1,980	1,930	1,500	1,580	2,070	1,990	2,130	2,090
19	1,930	2,220	1,980	2,030	2,050	1,900	1,530	1,660	2,020	2,070	2,100	2,080
20	2,050	2,140	1,950	2,250	2,120	1,890	1,520	1,620	2,140	2,240	2,000	2,140
21	1,990	2,090	2,080	2,060	2,130	1,800	1,610	1,600	2,160	2,180	2,120	2,000
22	1,970	2,120	2,310	2,010	2,180	1,800	1,680	1,600	2,140	1,940	1,910	2,120
23	1,820	2,160	2,290	2,060	2,150	1,930	1,750	1,460	2,160	1,880	2,020	2,260
24	2,050	2,140	2,150	2,180	2,060	1,900	1,740	1,530	2,080	1,740	2,070	2,330
25	1,980	2,120	2,190	2,180	2,110	2,000	1,680	1,590	2,060	2,040	2,230	2,200
26	1,430	2,090	2,140	2,100	2,150	2,060	1,800	1,650	1,950	2,410	2,250	2,270
27	1,730	2,160	2,010	2,000	2,110	2,020	1,840	1,680	1,900	2,520	2,190	2,240
28	2,020	2,140	1,980	2,020	2,200	2,080	1,710	1,720	2,060	2,100	2,040	2,310
29	1,880	2,140	2,150	1,960	1,950	2,040	1,740	1,710	2,060	1,940	2,050	2,200
30	2,250	1,990	2,160	1,960	---	2,080	1,770	1,710	1,960	1,560	2,110	2,180
31	2,010	---	2,210	2,090	---	2,070	---	1,740	---	2,280	2,280	---
Max	2,300	2,350	2,310	2,270	2,370	2,230	2,030	2,070	2,160	2,520	2,490	2,330
Min	1,430	1,810	1,950	1,070	1,950	1,750	1,360	1,390	1,660	1,560	1,900	2,000
Elevation, in feet, at end of month												
	4,439.91	4,439.52	4,443.36	4,441.30	4,438.69	4,440.92	4,435.21	4,434.47	4,438.93	4,444.59	4,444.66	4,443.40
Change in contents, in acre-feet												
	+50	-20	+220	-120	-140	+120	-300	-30	+220	+320	0	-100

	Calendar Year 2007	Water Year 2008
Max	2,530	2,520
Min	845	1,070
Change in contents, in acre-feet	+230	+220

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