



Water-Data Report 2007

## 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<sup>2</sup>.

### 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 Unpublished records for water years 1980-91 available in files of the U.S. Geological Survey.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 (revised) 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, 2,590 acre-ft, Oct. 15, elevation, 4,449.63 ft; minimum, 845 acre-ft, Jan. 28, elevation, 4,410.96 ft.

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

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

## 11441760 Junction Reservoir near Pollock Pines, 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	2,210	2,060	2,060	1,930	988	2,370	2,130	2,040	2,190	2,520	2,170	1,980
2	2,100	2,030	2,070	2,090	1,190	2,150	2,020	2,130	2,290	2,270	2,190	2,110
3	2,120	2,120	2,060	1,960	1,490	1,990	1,810	2,100	2,080	2,100	2,130	2,070
4	2,220	2,200	2,120	2,030	1,730	2,030	2,020	2,150	2,110	2,210	2,080	2,310
5	2,080	2,120	2,280	2,010	2,140	1,950	1,970	2,000	2,160	2,340	2,130	2,300
6	1,970	2,260	2,040	2,050	2,130	2,080	2,020	1,970	2,060	2,140	2,130	2,100
7	2,100	2,200	1,990	1,950	2,190	2,020	2,050	2,100	2,050	2,250	2,100	2,290
8	1,890	2,230	2,180	2,110	2,000	2,130	2,120	2,030	2,140	2,310	2,080	2,130
9	2,030	1,930	2,100	2,080	1,960	2,410	2,080	2,110	2,150	2,530	1,970	2,230
10	2,070	2,020	2,190	2,050	1,880	2,210	2,050	2,010	2,110	2,350	2,050	2,150
11	2,060	1,940	2,250	1,940	1,930	2,060	2,230	1,880	2,100	2,290	2,000	2,010
12	2,300	1,990	2,070	1,840	1,740	2,140	2,010	1,850	2,170	2,180	2,080	1,940
13	2,230	2,110	2,160	1,800	2,010	2,260	1,950	1,940	2,050	2,150	2,020	1,450
14	2,300	2,390	1,960	1,880	1,830	2,340	2,070	2,000	2,260	1,990	2,020	2,060
15	2,590	2,430	1,890	2,270	2,010	2,070	2,080	2,140	2,040	2,030	2,140	2,180
16	2,290	2,260	2,050	2,200	1,880	2,090	1,890	2,220	2,210	1,990	2,150	2,130
17	2,110	2,220	2,010	1,880	1,990	2,050	1,900	2,230	2,180	1,950	2,050	2,330
18	1,830	2,120	2,100	2,140	2,090	2,160	1,980	2,130	2,120	2,080	2,090	2,180
19	1,450	1,980	2,130	2,080	2,120	2,140	2,000	2,160	2,190	2,020	1,970	2,160
20	1,340	1,970	2,050	2,030	2,110	2,140	2,090	2,070	2,530	2,250	1,960	2,170
21	1,650	2,100	2,120	2,010	2,170	2,000	2,190	2,020	2,080	2,220	2,060	2,090
22	2,090	2,150	2,030	2,020	2,110	1,920	2,120	2,070	2,010	2,100	2,110	2,100
23	1,920	2,120	2,000	1,990	1,920	1,990	2,090	2,170	2,040	1,810	2,100	2,140
24	2,040	2,100	2,030	2,050	1,830	1,980	1,970	2,180	1,950	2,130	2,170	2,110
25	1,950	2,180	1,970	1,700	1,840	2,020	1,950	2,130	1,940	2,210	2,360	2,170
26	1,770	2,150	2,150	1,340	1,950	1,840	1,870	2,340	2,060	2,060	2,310	2,230
27	1,710	2,250	1,860	994	2,120	1,930	1,860	2,170	2,040	2,110	2,020	2,060
28	1,810	2,120	2,010	845	2,330	1,920	1,800	2,020	2,080	2,060	2,100	2,140
29	2,260	2,140	1,960	858	---	2,030	1,990	2,180	2,080	2,070	2,010	2,370
30	2,190	2,170	1,950	864	---	2,150	1,980	2,110	2,450	2,080	2,020	1,960
31	2,230	---	1,980	863	---	2,120	---	2,190	---	2,170	2,010	---
<b>Max</b>	2,590	2,430	2,280	2,270	2,330	2,410	2,230	2,340	2,530	2,530	2,360	2,370
<b>Min</b>	1,340	1,930	1,860	845	988	1,840	1,800	1,850	1,940	1,810	1,960	1,450
<b>Elevation, in feet, at end of month</b>	4,443.77	4,442.72	4,439.20	4,411.58	4,445.52	4,441.88	4,439.27	4,443.16	4,447.47	4,442.83	4,439.84	4,438.84
<b>Change in contents, in acre-feet</b>	<sup>a</sup> -10	<sup>a</sup> -60	<sup>a</sup> -190	<sup>a</sup> -1,120	<sup>a</sup> +1,470	<sup>a</sup> -210	<sup>a</sup> -140	<sup>a</sup> +210	<sup>a</sup> +260	<sup>a</sup> -280	<sup>a</sup> -160	<sup>a</sup> -50

<sup>a</sup> Computed based on revised capacity table, put into use October 1, 2006.

	Calendar Year 2006	Water Year 2007
<b>Max</b>	2,790	2,590
<b>Min</b>	1,340	845
<b>Change in contents, in acre-feet</b>	<sup>a</sup> -810	<sup>a</sup> -280

<sup>a</sup> Computed based on revised capacity table, put into use October 1, 2006.

11441760 Junction Reservoir near Pollock Pines, CA—Continued

