

11295260 McKays Point Reservoir near Avery, CA

San Joaquin River Basin

LOCATION.--Lat 38°14'01", long 120°17'30" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.2, T.4 N., R.15 E., Calaveras County, CA, Hydrologic Unit 18040010, in Stanislaus National Forest, on right bank at outlet structure near upstream face of McKays Point Dam on North Fork Stanislaus River, and 4.6 mi northeast of Avery.

DRAINAGE AREA.--166 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1990 to current year.

REVISED RECORDS.--WDR CA-92-3: 1992 (instantaneous maximum discharge).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Calaveras County Water District).

COOPERATION.--Records were collected by Northern California Power Agency, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2409.

REMARKS.--Reservoir is formed by concrete arch-type dam completed in July 1989. Usable capacity, 1,928 acre-ft, between elevations 3,280.0 ft, minimum operating head, and 3,370.0 ft, crest of spillway. Water is diverted from reservoir through tunnel to Utica Canal (station 11295240) and Collierville Powerplant (station 11295250, near the confluence of the middle and north forks of the Stanislaus River). Released water is used for fishery maintenance. Records, including extremes, represent total contents at 2400 hours. See schematic diagram of Stanislaus River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,572 acre-ft, Jan. 1, 1997, elevation, 3,379.9 ft; minimum, 195 acre-ft, Oct. 7, 2006, elevation, 3,289.98 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,930 acre-ft, Feb. 10, elevation, 3,368.20 ft; minimum, 195 acre-ft, Oct. 7, elevation, 3,289.98 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on bathymetric survey in October 2005)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
3,280	124	3,340	1,067	3,370	1,990
3,300	304	3,360	1,664	3,380	2,317
3,320	620				

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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	1,420	1,710	1,340	1,430	1,430	1,130	1,520	1,360	1,760	1,730	1,640	1,610
2	1,200	1,400	1,480	1,600	1,310	1,080	1,560	1,740	1,780	1,740	1,680	1,630
3	843	1,110	1,480	1,640	1,350	1,240	1,330	1,820	1,760	1,630	1,500	1,610
4	438	1,240	1,570	1,740	1,350	1,290	1,530	1,540	1,700	1,600	1,350	1,600
5	262	1,360	1,680	1,560	1,330	1,320	1,480	1,520	1,750	1,310	1,540	1,590
6	220	1,400	1,570	1,500	1,370	1,440	1,600	1,440	1,780	1,320	1,700	1,510
7	195	1,500	1,390	1,570	1,330	1,610	1,420	1,130	1,760	1,540	1,700	1,480
8	311	1,640	1,160	1,610	1,240	1,530	1,640	1,130	1,770	1,670	1,610	1,510
9	423	1,760	1,220	1,720	1,360	1,240	1,530	1,350	1,770	1,640	1,520	1,590
10	962	1,740	1,210	1,720	1,930	1,240	1,290	1,570	1,800	1,670	1,450	1,750
11	1,350	1,750	1,030	1,680	1,890	1,400	1,290	1,500	1,670	1,710	1,500	1,770
12	1,740	1,690	1,320	1,590	1,810	1,540	1,490	1,680	1,610	1,710	1,550	1,770
13	1,750	1,510	1,470	1,560	1,890	1,440	1,200	1,600	1,480	1,610	1,480	1,650
14	1,770	1,760	1,470	1,550	1,890	1,400	1,370	1,390	1,340	1,630	1,480	1,590
15	1,830	1,860	1,510	1,460	1,810	1,300	1,440	1,490	1,320	1,630	1,520	1,640
16	1,880	1,570	1,580	1,450	1,650	1,090	1,180	1,420	1,560	1,610	1,560	1,690
17	1,800	1,310	1,490	1,510	1,550	1,400	1,330	1,470	1,720	1,590	1,440	1,650
18	1,680	1,310	1,510	1,480	1,660	1,250	1,460	1,500	1,700	1,600	1,460	1,610
19	1,520	1,540	1,430	1,450	1,710	1,180	1,450	1,530	1,690	1,630	1,430	1,630
20	1,220	1,620	1,330	1,490	1,650	1,260	1,150	1,600	1,680	1,670	1,250	1,650
21	1,250	1,660	1,260	1,520	1,510	1,220	1,120	1,550	1,700	1,680	1,430	1,520
22	1,360	1,670	1,270	1,570	1,410	1,010	1,350	1,490	1,610	1,600	1,680	1,500
23	1,430	1,560	1,270	1,620	1,240	952	1,380	1,450	1,570	1,470	1,690	1,500
24	1,640	1,550	1,270	1,700	1,280	1,180	1,510	1,310	1,620	1,580	1,660	1,490
25	1,650	1,590	1,310	1,740	1,330	1,610	1,390	1,310	1,610	1,680	1,650	1,470
26	1,630	1,400	1,350	1,790	1,220	1,620	1,070	1,310	1,700	1,730	1,660	1,460
27	1,620	1,290	1,450	1,790	1,180	1,390	901	1,280	1,680	1,690	1,600	1,450
28	1,680	1,380	1,440	1,770	1,260	1,390	971	1,140	1,540	1,740	1,490	1,460
29	1,790	1,420	1,390	1,750	---	1,220	1,320	1,460	1,540	1,720	1,530	1,550
30	1,820	1,380	1,330	1,700	---	1,080	1,030	1,740	1,650	1,610	1,530	1,610
31	1,910	---	1,320	1,600	---	1,360	---	1,760	---	1,600	1,590	---
Max	1,910	1,860	1,680	1,790	1,930	1,620	1,640	1,820	1,800	1,740	1,700	1,770
Min	195	1,110	1,030	1,430	1,180	952	901	1,130	1,320	1,310	1,250	1,450
Elevation, in feet, at end of month	3,367.52	3,351.00	3,348.98	3,358.12	3,346.98	3,350.23	3,338.89	3,363.12	3,359.64	3,358.13	3,357.87	3,358.51
Change in contents, in acre-feet	+400	-530	-60	+280	-340	+100	-330	+730	-110	-50	-10	+20

	Calendar Year 2006	Water Year 2007
Max	2,160	1,930
Min	195	195
Change in contents, in acre-feet	-780	+100

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