Water-Data Report 2013

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 mi^2.

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, 2,020 acre-ft, Dec. 2, elevation, 3,370.81 ft; minimum, 402 acre-ft, Oct. 25, elevation, 3,307.53 ft.

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

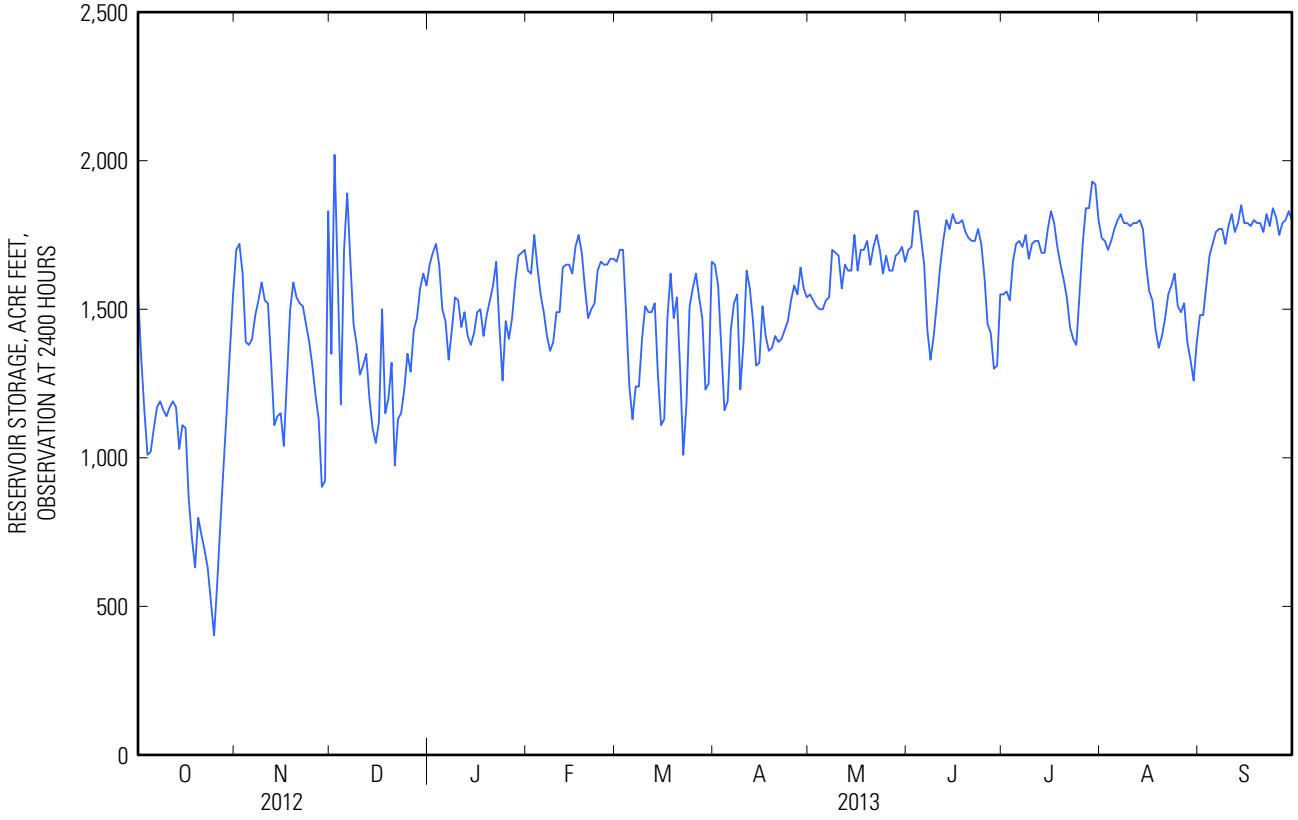
Elevation	Contents	Elevation	Contents	Elevation	Contents
3,280	124	3,340	1,067	3,370	1,990
3,300	304	3,360	1,664	3,380	2,317
3,320	620				

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 11295260, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/11295260.2013.pdf

11295260 McKays Point Reservoir near Avery, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,560	1,700	1,350	1,650	1,630	1,660	1,650	1,550	1,700	1,550	1,740	1,480
2	1,340	1,720	2,020	1,690	1,620	1,700	1,580	1,530	1,710	1,560	1,730	1,480
3	1,160	1,620	1,610	1,720	1,750	1,700	1,370	1,510	1,830	1,530	1,700	1,580
4	1,010	1,390	1,180	1,650	1,640	1,480	1,160	1,500	1,830	1,660	1,730	1,680
5	1,020	1,380	1,700	1,500	1,550	1,240	1,190	1,500	1,740	1,720	1,770	1,720
6	1,100	1,400	1,890	1,460	1,490	1,130	1,430	1,530	1,650	1,730	1,800	1,760
7	1,170	1,480	1,660	1,330	1,410	1,240	1,520	1,540	1,430	1,710	1,820	1,770
8	1,190	1,530	1,450	1,430	1,360	1,240	1,550	1,700	1,330	1,750	1,790	1,770
9	1,160	1,590	1,380	1,540	1,390	1,400	1,230	1,690	1,410	1,670	1,790	1,720
10	1,140	1,530	1,280	1,530	1,490	1,510	1,390	1,680	1,520	1,720	1,780	1,780
11	1,170	1,520	1,310	1,440	1,490	1,490	1,630	1,570	1,640	1,730	1,790	1,820
12	1,190	1,320	1,350	1,490	1,640	1,490	1,570	1,650	1,730	1,730	1,790	1,760
13	1,170	1,110	1,200	1,410	1,650	1,520	1,460	1,630	1,800	1,690	1,800	1,790
14	1,030	1,140	1,100	1,380	1,650	1,280	1,310	1,630	1,770	1,690	1,770	1,850
15	1,110	1,150	1,050	1,420	1,620	1,110	1,320	1,750	1,820	1,770	1,650	1,790
16	1,100	1,040	1,120	1,490	1,710	1,130	1,510	1,630	1,790	1,830	1,560	1,790
17	863	1,270	1,500	1,500	1,750	1,470	1,410	1,700	1,790	1,790	1,530	1,780
18	731	1,500	1,150	1,410	1,690	1,620	1,360	1,700	1,800	1,710	1,430	1,800
19	631	1,590	1,200	1,480	1,570	1,470	1,370	1,730	1,760	1,650	1,370	1,790
20	798	1,540	1,320	1,530	1,470	1,540	1,410	1,650	1,740	1,600	1,410	1,790
21	741	1,520	974	1,580	1,500	1,300	1,390	1,710	1,730	1,540	1,470	1,760
22	690	1,510	1,130	1,660	1,520	1,010	1,400	1,750	1,730	1,440	1,550	1,820
23	629	1,450	1,150	1,440	1,630	1,180	1,430	1,700	1,770	1,400	1,580	1,780
24	515	1,390	1,230	1,260	1,660	1,510	1,460	1,620	1,720	1,380	1,620	1,840
25	402	1,310	1,350	1,460	1,650	1,570	1,530	1,680	1,610	1,550	1,510	1,810
26	580	1,210	1,290	1,400	1,650	1,620	1,580	1,630	1,450	1,720	1,490	1,750
27	780	1,130	1,430	1,470	1,670	1,540	1,550	1,630	1,420	1,840	1,520	1,790
28	973	902	1,470	1,590	1,670	1,470	1,640	1,680	1,300	1,840	1,390	1,800
29	1,160	922	1,570	1,680	---	1,230	1,570	1,690	1,310	1,930	1,330	1,830
30	1,360	1,830	1,620	1,690	---	1,250	1,540	1,710	1,550	1,920	1,260	1,800
31	1,550	---	1,580	1,700	---	1,660	---	1,660	---	1,800	1,390	---
Max	1,560	1,830	2,020	1,720	1,750	1,700	1,650	1,750	1,830	1,930	1,820	1,850
Min	402	902	974	1,260	1,360	1,010	1,160	1,500	1,300	1,380	1,260	1,480
Elevation, in feet, at end of month	3,356.43	3,365.16	3,357.40	3,361.02	3,359.93	3,359.70	3,356.20	3,359.88	3,356.48	3,364.03	3,351.38	3,364.07
Change in contents, in acre-feet	-160	+280	-250	+120	-30	-10	-120	+120	-110	+250	-410	+410

	Calendar Year 2012	Water Year 2013
Max	2,040	2,020
Min	402	402
Change in contents, in acre-feet	+310	+90

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