

**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, 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<sup>2</sup>.

**WATER-STAGE RECORDS**

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

REVISED RECORDS.--WDR CA-92-3: 1992 (M).

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

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. New capacity table started on Sept. 1, 1991, based on inflow-outflow computations. Records, including extremes, represent total contents at 2400 hours. See schematic diagram of Stanislaus River Basin.

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,572 acre-ft, Jan. 1, 1997, elevation, 3,379.9 ft; minimum, 255 acre-ft, Oct. 26, 2001, elevation, 3,279.42 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,310 acre-ft, May 16, elevation, 3,374.20 ft; minimum, 465 acre-ft, Oct. 15, elevation, 3,299.24 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)  
(Based on inflow-outflow computations provided by  
Calaveras County Water District in September 1991)

Elevation	Contents	Elevation	Contents	Elevation	Contents
3,280	320	3,340	1,325	3,370	2,248
3,300	480	3,360	1,921	3,380	2,575
3,320	869				

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**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,810	1,510	1,270	1,840	1,740	1,610	1,780	1,790	2,300	1,260	1,530	1,790
2	1,880	1,330	1,600	1,700	1,780	1,530	1,740	1,190	2,280	1,250	1,550	1,680
3	1,770	1,190	1,640	1,710	1,710	1,400	1,740	1,320	2,290	1,520	1,700	1,870
4	1,460	1,150	1,700	1,680	1,640	1,550	1,490	1,630	2,290	1,710	1,930	2,090
5	1,180	1,060	1,640	1,600	1,700	1,550	1,460	1,900	2,290	1,810	1,590	1,900
6	861	1,170	1,720	1,470	1,950	1,680	1,140	1,910	2,260	1,740	1,590	1,800
7	835	1,310	2,060	1,450	1,880	1,500	1,260	1,930	2,270	1,560	1,620	1,790
8	531	1,240	2,210	1,570	1,680	1,380	1,280	1,800	2,270	1,500	1,500	2,060
9	598	1,180	2,200	1,660	1,580	1,110	1,420	2,230	2,260	1,540	1,620	2,060
10	756	1,130	2,120	1,910	1,500	1,170	1,550	1,720	2,120	1,680	1,770	1,890
11	466	1,160	2,000	1,250	1,460	1,210	1,660	1,340	2,110	1,370	1,590	1,780
12	471	1,270	2,040	1,290	1,700	1,350	1,610	1,450	2,210	1,330	1,320	1,620
13	497	1,360	2,110	1,340	1,670	1,040	1,720	1,690	2,260	1,370	1,720	2,000
14	495	1,510	2,030	1,240	1,880	1,020	1,330	2,240	2,270	1,370	1,840	2,080
15	465	1,390	1,860	1,250	1,510	1,640	1,270	2,290	2,260	1,640	1,910	1,920
16	487	1,300	1,800	1,430	1,760	1,770	1,820	2,310	2,230	1,400	1,860	1,720
17	724	1,270	1,770	1,540	1,580	1,870	1,690	2,150	2,260	1,620	1,810	1,830
18	1,430	1,220	1,580	1,580	1,420	1,390	1,380	2,300	1,980	1,810	1,850	2,000
19	1,470	1,250	1,490	1,730	1,380	1,560	1,100	2,300	1,660	1,710	1,820	1,730
20	1,630	1,330	1,420	1,620	1,560	1,620	1,270	2,280	1,530	1,520	1,890	1,760
21	1,630	1,450	1,410	1,600	1,550	1,470	1,350	2,290	1,570	1,590	1,960	1,720
22	1,500	1,430	1,400	1,410	1,480	1,760	1,540	2,300	1,320	1,560	1,840	1,660
23	1,500	1,480	1,410	1,510	1,540	1,290	1,840	2,290	1,410	1,400	1,880	1,760
24	1,600	1,540	1,510	1,550	1,500	1,280	1,680	2,280	1,400	1,640	2,000	1,920
25	1,560	1,630	1,520	1,580	1,470	1,740	1,470	2,290	1,650	1,710	1,970	1,940
26	1,590	1,670	1,540	1,760	1,640	1,780	1,660	2,300	1,610	1,820	1,640	1,450
27	1,520	1,760	1,590	1,540	1,500	1,780	1,590	2,300	1,410	1,940	1,550	1,750
28	1,480	1,630	1,670	1,600	1,950	1,720	1,860	2,290	1,410	1,810	1,520	1,920
29	1,420	1,260	1,780	1,790	---	1,510	1,750	2,010	1,320	1,500	1,860	1,860
30	1,590	1,040	1,830	1,650	---	1,620	1,910	1,680	891	1,160	1,800	1,470
31	1,720	---	1,920	1,770	---	1,900	---	2,270	---	1,130	1,660	---
<b>Max</b>	1,880	1,760	2,210	1,910	1,950	1,900	1,910	2,310	2,300	1,940	2,000	2,090
<b>Min</b>	465	1,040	1,270	1,240	1,380	1,020	1,100	1,190	891	1,130	1,320	1,450
<b>Elevation, in feet, at end of month</b>	3,354.12	3,328.43	3,360.11	3,355.76	3,361.02	3,359.72	3,359.76	3,370.69	3,322.02	3,332.60	3,351.98	3,345.46
<b>Change in contents, in acre-feet</b>	-60	-680	+880	-150	+180	-50	+10	+360	-1,379	+239	+530	-190

	Calendar Year 2004	Water Year 2005
<b>Max</b>	2,210	2,310
<b>Min</b>	465	465
<b>Change in contents, in acre-feet</b>	+390	-310

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