



Water-Data Report CA-2005

11407800 JACKSON MEADOWS RESERVOIR NEAR SIERRA CITY, CA

Sacramento River Basin

LOCATION.--Lat 39°30'33", long 120°33'08" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.18, T.19 N., R.13 E., Sierra County, Hydrologic Unit 18020125, Tahoe National Forest, on right bank at Jackson Meadows Dam on Middle Yuba River, 0.7 mi downstream from Pass Creek, and 5.7 mi southeast of Sierra City.

DRAINAGE AREA.--37.4 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1964 to current year.

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

REMARKS.--Reservoir is formed by an earthfill dam. Storage began Nov. 9, 1964. Usable capacity, 66,700 acre-ft, between elevations 5,933.0 ft, bottom of intake tower, and 6,036.0 ft, top of radial spillway gates. Dead contents, 2,500 acre-ft. Records, including extremes, represent total contents. See schematic diagram of North and Middle Yuba River Basin.

COOPERATION.--Records were collected by Nevada Irrigation District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2266.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 71,100 acre-ft, May 31, June 1, 1993, elevation, 6,037.78 ft; minimum since reservoir first filled, 2,500 acre-ft, Sept. 27-29, 1976, elevation, 5,933.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 70,300 acre-ft, June 14, elevation, 6,036.99 ft; minimum, 34,700 acre-ft, Nov. 24, Dec. 4, 5, elevation, 5999.28 ft, Dec. 5.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Nevada Irrigation District, dated February 1965)

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
5,930	2,000	5,960	10,600	5,990	27,600	6,020	53,200
5,940	3,920	5,970	15,400	6,000	35,300	6,030	63,000
5,950	6,760	5,980	21,000	6,010	43,900	6,040	73,500

11407800 JACKSON MEADOWS RESERVOIR NEAR SIERRA CITY, CA—Continued

**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	42,000	34,900	34,800	35,800	36,800	35,800	35,400	40,600	63,600	68,900	63,500	55,100
2	41,800	34,900	34,800	35,900	36,800	35,800	35,400	41,000	63,900	68,700	63,300	54,700
3	41,500	34,900	34,800	35,900	36,900	35,700	35,400	41,700	64,300	68,400	63,100	54,300
4	41,300	34,900	34,700	35,900	36,900	35,600	35,400	42,300	65,000	68,200	62,900	54,000
5	41,000	34,900	34,700	35,900	36,900	35,400	35,400	43,200	65,700	68,000	62,700	53,600
6	40,800	34,900	34,800	35,900	36,900	35,300	35,500	43,900	66,200	67,800	62,500	53,300
7	40,500	34,900	34,900	36,000	37,000	35,200	35,700	44,400	66,700	67,700	62,300	52,900
8	40,300	34,900	35,100	36,200	37,000	35,000	35,800	45,300	67,400	67,600	62,100	52,600
9	40,000	34,900	35,200	36,300	37,000	35,000	35,800	46,300	68,200	67,500	61,900	52,200
10	39,700	34,900	35,200	36,300	36,900	35,000	35,800	46,800	68,900	67,400	61,700	51,900
11	39,500	34,900	35,200	36,400	36,800	35,000	35,900	47,200	69,500	67,200	61,500	51,500
12	39,200	34,900	35,200	36,400	36,700	35,100	35,900	47,800	69,900	67,100	61,300	51,200
13	39,000	34,900	35,200	36,400	36,700	35,100	36,000	48,600	70,200	67,000	61,100	50,800
14	38,700	34,900	35,300	36,400	36,600	35,200	36,000	49,700	70,300	66,800	60,900	50,500
15	38,500	34,900	35,300	36,400	36,600	35,200	36,000	51,100	70,200	66,600	60,700	50,100
16	38,200	34,900	35,300	36,400	36,500	35,100	36,200	53,500	70,100	66,500	60,500	49,700
17	38,100	34,900	35,300	36,400	36,400	35,100	36,400	54,600	70,100	66,300	60,300	49,400
18	37,800	34,800	35,300	36,400	36,400	35,000	36,700	57,500	70,000	66,100	60,000	49,100
19	37,700	34,800	35,300	36,400	36,400	35,100	36,900	62,800	69,800	66,000	59,700	48,700
20	37,600	34,800	35,300	36,400	36,300	35,300	37,000	64,600	69,800	65,800	59,300	48,400
21	37,300	34,800	35,300	36,400	36,300	35,200	37,100	63,900	69,700	65,600	59,000	48,000
22	37,100	34,800	35,300	36,400	36,200	35,400	37,300	63,900	69,600	65,400	58,700	47,700
23	36,900	34,800	35,300	36,400	36,200	35,500	37,600	63,900	69,600	65,200	58,300	47,300
24	36,700	34,700	35,300	36,400	36,100	35,400	37,900	63,800	69,600	65,100	57,900	47,000
25	36,500	34,800	35,300	36,500	36,000	35,300	38,100	63,800	69,500	64,900	57,600	46,600
26	36,300	34,800	35,300	36,600	36,000	35,300	38,400	63,900	69,500	64,700	57,200	46,300
27	36,100	34,800	35,300	36,600	35,900	35,400	38,800	64,000	69,400	64,500	56,900	46,000
28	35,800	34,800	35,300	36,700	35,900	35,400	39,200	64,000	69,300	64,300	56,500	45,600
29	35,600	34,800	35,400	36,700	---	35,500	39,600	63,500	69,200	64,100	56,100	45,300
30	35,400	34,800	35,600	36,800	---	35,400	40,100	63,000	69,000	63,900	55,800	45,000
31	35,100	---	35,700	36,800	---	35,400	---	63,100	---	63,700	55,400	---
Max	42,000	34,900	35,700	36,800	37,000	35,800	40,100	64,600	70,300	68,900	63,500	55,100
Min	35,100	34,700	34,700	35,800	35,900	35,000	35,400	40,600	63,600	63,700	55,400	45,000
Elevation, in feet, at end of month	5,999.71	5,999.35	6,000.48	6,001.73	6,000.65	6,000.05	6,005.59	6,030.07	6,035.83	6,030.70	6,022.34	6,011.15
Change in contents, in acre-feet	-7,200	-300	+900	+1,100	-900	-500	+4,700	+23,000	+5,900	-5,300	-8,300	-10,400

	Calendar Year 2004	Water Year 2005
Max	67,200	70,300
Min	32,800	34,700
Change in contents, in acre-feet	-300	+2,700

11407800 JACKSON MEADOWS RESERVOIR NEAR SIERRA CITY, CA—Continued

