

11292800 Beardsley Lake near Strawberry, CA

San Joaquin River Basin

LOCATION.--Lat 38°12'17", long 120°04'31" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.14, T.4 N., R.17 E., Tuolumne County, CA, Hydrologic Unit 18040010, in Stanislaus National Forest, in hoist house of Beardsley Dam on Middle Fork Stanislaus River, 2.4 mi upstream from Spring Gap Powerplant, 3.9 mi west of Strawberry, and 4.7 mi west of Pinecrest.

DRAINAGE AREA.--309 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1957 to September 2006, and October 2007 to current year. Prior to October 1960, published as "Lake Hartley near Strawberry."

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 3,408.18 ft above NGVD of 1929 (levels by Oakdale and South San Joaquin Irrigation Districts). In order to correct to USGS datum, add 7.84 ft to all elevations.

REMARKS.--Reservoir is formed by rock-fill, earth-core dam completed in 1957. Capacity, 98,500 acre-ft, between gage heights 3,145.0 ft, tunnel invert, and 3,398.0 ft, top of spillway gates. No dead storage. Reservoir is used for power and conservation storage. Water passes through Beardsley Powerplant, is diverted at Beardsley Afterbay to J.W. Southern Powerplant at Sand Bar Flat on the Middle Fork Stanislaus River, and then diverted to Stanislaus Powerplant at the head of New Melones Reservoir (station 11299000). Records represent total contents at 2400 hours. Records collected in connection with Federal Energy Regulatory Commission (FERC) project no. 2005. See schematic diagram of Stanislaus River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Prior to Oct. 1, 2008, maximum contents at 2400 hours, 98,700 acre-ft, June 27, 1957, gage height, 3,398.2 ft; minimum since reservoir first filled, 3 acre-ft, Sept. 23, 1976, gage height, 3,154.4 ft. Since Oct. 1, 2008, maximum contents, 97,700 acre-ft, June 6, 11, 12, 2009, maximum elevation, 3,396.85 ft, June 11, 12, 2009.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 64,000 acre-ft, June 8, 9, maximum elevation, 3,346.14 ft, June 8; minimum contents, 25,200 acre-ft, Mar. 10, minimum elevation, 3,273.20 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Pacific Gas and Electric Company, dated Oct. 3, 1956)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
3,154	2	3,200	2,370	3,290	33,100
3,160	41	3,210	3,790	3,320	48,800
3,170	267	3,220	5,720	3,350	66,400
3,180	693	3,240	11,600	3,370	79,200
3,190	1,370	3,260	19,500	3,398	98,500

11292800 Beardsley Lake near Strawberry, 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	39,700	49,500	40,200	37,300	32,600	25,800	36,200	56,500	63,600	62,900	61,700	48,400
2	39,300	49,900	41,800	37,300	32,400	25,600	36,900	57,000	63,600	63,200	61,500	47,800
3	39,000	50,400	42,000	37,400	32,100	25,400	37,700	57,300	63,600	63,500	61,200	47,600
4	38,700	50,700	41,700	37,400	31,800	25,300	38,300	57,600	63,600	63,600	60,900	47,100
5	38,200	51,100	41,600	37,400	31,500	25,400	38,900	57,800	63,600	63,500	60,700	46,400
6	37,700	51,500	41,500	37,300	31,400	25,600	39,500	58,100	63,700	63,400	60,300	45,900
7	37,800	51,700	41,200	37,200	30,900	25,700	40,300	58,300	63,800	63,400	60,100	45,200
8	38,200	51,900	40,900	37,100	30,700	25,500	40,700	58,600	64,000	63,300	59,700	44,600
9	38,600	51,900	40,500	37,100	30,500	25,300	41,300	59,100	63,900	63,300	59,400	44,000
10	39,000	51,600	40,200	37,000	30,200	25,300	41,800	59,500	63,900	63,300	58,900	43,400
11	39,500	51,300	39,900	37,000	29,800	25,400	42,500	60,100	63,800	63,300	58,300	42,700
12	40,000	51,200	39,600	36,700	29,300	25,400	43,200	60,500	63,700	63,300	57,800	42,000
13	40,500	51,000	39,300	36,600	28,900	25,600	44,000	60,900	63,600	63,200	57,300	41,400
14	41,000	50,800	39,000	36,500	28,600	25,800	44,700	61,100	63,500	63,200	56,800	40,700
15	41,600	50,200	38,800	36,400	28,500	26,100	45,500	61,200	63,400	63,200	56,300	40,100
16	42,100	49,600	38,500	36,400	28,300	26,600	46,100	61,500	63,100	63,200	55,800	39,500
17	42,700	49,000	38,300	36,500	28,100	26,900	46,800	61,600	62,800	63,200	55,200	39,200
18	43,400	48,400	38,300	36,500	27,800	27,200	47,200	61,600	62,500	63,200	54,700	39,100
19	43,900	47,600	37,900	36,500	27,800	27,900	47,800	61,900	62,400	63,100	54,400	39,000
20	44,500	46,900	37,500	36,500	28,100	28,600	48,400	62,100	62,400	63,400	54,200	38,400
21	45,100	46,200	37,500	36,400	28,000	29,300	49,100	62,200	62,300	63,700	53,700	38,400
22	45,700	45,500	37,500	36,400	27,700	29,800	49,800	62,300	62,300	63,600	53,300	37,900
23	46,000	44,700	37,500	36,100	27,300	30,400	50,500	62,500	62,200	63,500	53,000	37,400
24	46,400	43,900	37,600	35,500	27,100	31,000	51,000	62,600	62,100	63,300	52,600	37,000
25	46,800	43,200	37,600	35,000	26,900	31,600	51,500	62,700	62,200	63,100	52,100	36,700
26	47,300	42,400	37,800	34,700	26,500	32,200	52,500	62,900	62,100	63,000	51,700	36,400
27	47,600	41,700	37,800	34,600	26,300	33,000	53,500	62,900	62,000	62,900	51,200	35,800
28	48,000	41,000	37,900	34,300	26,100	33,600	54,400	63,100	62,100	62,700	50,700	35,100
29	48,400	40,300	37,700	34,100	---	34,200	55,400	63,300	62,400	62,500	50,100	34,500
30	48,800	40,200	37,500	33,500	---	35,000	56,000	63,400	62,800	62,300	49,600	33,900
31	49,100	---	37,300	33,000	---	35,600	---	63,500	---	62,000	49,000	---
Max	49,100	51,900	42,000	37,400	32,600	35,600	56,000	63,500	64,000	63,700	61,700	48,400
Min	37,700	40,200	37,300	33,000	26,100	25,300	36,200	56,500	62,000	62,000	49,000	33,900
Elevation, in feet, at end of month	3,320.60	3,304.04	3,298.41	3,289.66	3,275.05	3,295.03	3,332.72	3,345.33	3,344.09	3,342.88	3,320.46	3,291.46
Change in contents, in acre-feet	+9,100	-8,900	-2,900	-4,300	-6,900	+9,500	+20,400	+7,500	-700	-800	-13,000	-15,100

	Calendar Year 2012	Water Year 2013
Change in contents, in acre-feet	+11,800	-6,100

11292800 Beardsley Lake near Strawberry, CA—Continued

