

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 September 2008. Prior to October 1960, published as "Lake Hartley near Strawberry."

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 7.84 ft above NGVD of 1929 (levels by Oakdale and South San Joaquin Irrigation Districts).

COOPERATION.--Records were provided by Oakdale and South San Joaquin Irrigation District, in connection with Federal Energy Regulatory Commission project no. 2005.

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, including extremes, represent contents at 2400 hours. Since records for 2007 water year were not published, change of contents for the 2007 calendar year and the 2008 water year could not be determined. See schematic diagram of Stanislaus River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 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.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 81,500 acre-ft, July 1, elevation, 3,373.48 ft; minimum, 20,400 acre-ft, Feb. 10, 11, elevation, 3,262.16 ft, Feb. 10.

**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 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35,300	27,900	22,600	20,900	21,500	22,400	29,600	46,000	60,000	81,500	67,600	55,500
2	34,900	28,400	22,100	20,900	21,400	22,600	29,600	46,900	60,400	81,200	67,200	55,000
3	34,500	28,900	21,600	20,900	21,200	22,700	29,500	47,800	60,700	80,800	66,700	54,400
4	34,100	29,200	21,000	21,000	21,300	22,800	29,300	48,700	61,300	80,400	66,300	53,800
5	33,800	29,600	21,200	21,100	21,300	23,000	29,100	49,600	62,100	80,000	65,800	53,200
6	33,400	30,100	21,400	21,200	21,300	23,200	28,900	50,500	63,200	79,500	65,400	52,600
7	33,100	30,400	21,600	21,100	21,100	23,700	28,900	51,400	64,300	79,100	65,000	51,800
8	32,800	30,600	21,700	20,800	21,000	24,000	28,900	52,200	65,500	78,600	64,500	51,200
9	32,600	30,700	21,700	20,700	20,700	24,300	29,100	52,500	66,400	78,100	63,700	50,500
10	32,400	30,400	21,700	20,700	20,400	24,400	29,500	52,900	67,300	77,600	62,800	49,800
11	32,100	30,000	21,700	21,000	20,400	24,500	30,100	53,200	68,100	77,100	62,400	49,100
12	32,100	29,800	21,700	21,100	20,600	24,600	30,700	53,600	69,000	76,700	61,900	48,300
13	32,300	29,500	21,700	21,400	20,800	24,800	31,400	53,900	69,900	76,200	61,700	47,400
14	32,100	29,100	21,600	21,600	20,800	25,100	32,300	54,500	70,800	75,800	61,500	46,500
15	31,600	28,800	21,500	21,800	21,000	25,200	33,200	55,100	72,000	75,400	61,200	45,900
16	31,000	28,500	21,400	22,000	21,000	25,300	33,600	55,600	73,200	74,800	60,900	45,400
17	30,500	28,100	21,500	22,200	21,100	25,500	34,300	56,300	74,300	74,400	60,400	44,800
18	30,000	27,700	21,500	22,100	21,100	25,700	35,200	56,900	75,200	73,900	60,000	44,200
19	29,400	27,600	21,500	22,200	21,200	26,000	36,100	57,500	76,100	73,500	59,600	43,700
20	28,900	27,200	21,600	22,100	21,400	26,300	36,900	57,900	76,800	72,900	59,200	43,000
21	28,400	27,000	21,400	22,100	21,400	26,600	37,800	57,800	77,300	72,300	58,800	42,300
22	27,800	26,600	21,200	22,000	21,500	26,800	38,700	57,800	77,800	72,000	58,600	41,800
23	27,600	26,000	21,100	22,100	21,500	27,000	39,600	58,100	78,300	71,600	58,500	41,400
24	27,000	25,500	21,000	22,200	21,800	27,500	40,200	58,200	78,900	71,300	58,100	41,000
25	26,500	24,900	20,900	21,900	21,900	27,700	40,900	58,300	79,600	70,900	57,800	40,600
26	26,200	24,600	20,900	21,800	22,000	27,800	41,600	58,300	80,100	70,400	57,500	40,200
27	25,900	24,300	21,000	21,800	22,000	28,000	42,500	58,400	80,600	69,800	57,300	39,700
28	26,100	23,900	21,100	21,800	22,100	28,600	43,400	59,100	81,000	69,400	57,100	39,100
29	26,500	23,500	20,900	21,700	22,200	28,700	44,200	59,400	81,300	68,900	56,800	38,700
30	27,000	23,100	20,900	21,600	---	28,900	45,100	59,700	81,400	68,500	56,700	38,300
31	27,500	---	20,800	21,500	---	29,300	---	59,800	---	68,100	56,100	---
Max	35,300	30,700	22,600	22,200	22,200	29,300	45,100	59,800	81,400	81,500	67,600	55,500
Min	25,900	23,100	20,800	20,700	20,400	22,400	28,900	46,000	60,000	68,100	56,100	38,300
Elevation, in feet, at end of month	3,278.19	3,268.36	3,263.16	3,264.79	3,266.41	3,282.00	3,313.18	3,339.21	3,373.40	3,352.73	3,332.91	3,300.35
Change in contents, in acre-feet	---	-4,400	-2,300	+700	+700	+7,100	+15,800	+14,700	+21,600	-13,300	-12,000	-17,800

11292800 Beardsley Lake near Strawberry, CA—Continued

