

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

**WATER-STAGE RECORDS**

PERIOD OF RECORD.--June 1957 to current year. 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).

REMARKS.--Reservoir is formed by rockfill, 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. See schematic diagram of Stanislaus River Basin.

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

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, 97,700 acre-ft, July 24-26, gage height, 3,396.88 ft, July 25; minimum, 22,000 acre-ft, Jan. 5, gage height, 3,265.93 ft.

Capacity table (gage height, 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 2004 TO SEPTEMBER 2005**  
**DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	53,400	38,400	45,300	24,200	24,500	25,500	54,900	78,400	93,700	96,400	97,100	85,700
2	52,700	38,500	45,500	23,500	24,600	26,100	55,200	79,500	93,800	96,700	96,800	85,300
3	52,100	38,500	45,600	22,800	24,700	26,700	55,200	80,700	93,600	96,700	96,300	84,800
4	51,600	38,400	45,600	22,200	24,700	27,500	55,500	82,000	93,400	96,700	96,000	84,400
5	51,100	38,700	45,700	22,000	24,500	28,000	55,800	83,600	93,200	96,400	95,800	83,800
6	50,500	38,500	44,800	22,700	24,200	28,800	56,100	85,200	92,900	96,700	95,500	83,400
7	49,900	38,500	43,900	23,500	24,200	29,600	56,700	86,400	92,800	96,800	95,200	83,100
8	49,300	38,900	43,100	24,100	24,300	30,400	57,700	87,900	92,800	96,700	94,900	82,800
9	48,400	39,600	42,300	24,800	24,300	31,100	58,200	90,600	93,100	96,600	94,700	82,300
10	47,700	40,200	41,500	25,700	24,300	32,000	58,600	92,200	93,200	96,600	94,200	81,400
11	46,700	40,700	40,600	26,300	24,300	33,100	59,100	92,800	93,500	96,700	94,100	80,500
12	45,900	41,400	39,800	26,600	24,000	34,100	59,800	93,100	93,800	96,800	93,700	80,100
13	45,400	41,700	39,000	26,500	23,600	35,100	60,700	93,400	94,100	96,900	93,200	80,000
14	45,000	42,200	38,200	26,500	23,400	36,200	61,400	93,700	94,400	97,100	92,400	79,700
15	44,500	43,000	37,300	26,200	23,200	37,600	62,200	94,100	94,600	97,200	91,600	79,400
16	43,600	44,000	36,500	26,000	23,800	38,800	63,000	94,600	94,700	97,400	90,900	79,200
17	42,900	44,600	35,700	25,300	24,200	40,000	64,000	93,400	94,700	97,500	90,200	78,900
18	42,200	45,400	34,900	25,200	24,200	40,700	65,100	93,100	94,700	97,400	89,500	78,400
19	41,700	45,900	34,000	25,000	24,200	41,600	66,200	93,000	94,600	97,500	89,400	77,800
20	41,300	46,400	33,200	24,700	24,300	42,800	67,100	93,600	94,700	97,500	89,400	77,300
21	40,700	46,800	32,300	24,300	24,400	43,900	68,000	93,400	95,000	97,600	89,400	76,900
22	40,200	46,900	31,500	24,000	24,600	45,200	69,000	93,000	95,300	97,600	89,400	76,300
23	39,500	47,600	30,800	23,800	24,700	46,300	69,900	93,300	95,700	97,600	89,200	75,800
24	38,900	48,100	30,000	23,500	24,900	47,200	70,800	93,400	96,000	97,700	88,700	74,900
25	38,900	47,400	29,200	23,400	25,200	48,200	71,600	93,400	96,300	97,700	88,400	74,200
26	39,000	46,700	28,400	23,500	25,100	48,700	72,500	93,800	96,500	97,700	88,000	73,700
27	39,000	46,100	27,600	23,800	25,100	49,400	73,700	94,300	96,500	97,600	87,600	73,100
28	38,900	45,600	26,800	24,200	25,200	50,700	74,800	94,400	96,400	97,500	87,200	72,600
29	39,000	45,300	26,000	24,300	---	52,100	75,900	93,900	96,200	97,400	86,800	72,100
30	38,500	45,200	25,400	24,300	---	53,400	77,100	93,500	96,200	97,400	86,400	71,700
31	38,300	---	24,900	24,400	---	54,300	---	93,400	---	97,300	86,100	---
<b>Max</b>	53,400	48,100	45,700	26,600	25,200	54,300	77,100	94,600	96,500	97,700	97,100	85,700
<b>Min</b>	38,300	38,400	24,900	22,000	23,200	25,500	54,900	78,400	92,800	96,400	86,100	71,700
<b>Elevation, in feet, at end of month</b>	3,300.36	3,313.36	3,272.49	3,271.32	3,273.12	3,329.81	3,366.87	3,390.79	3,394.78	3,396.36	3,380.29	3,358.47
<b>Change in contents, in acre-feet</b>	-15,700	+6,900	-20,300	-500	+800	+29,100	+22,800	+16,300	+2,800	+1,100	-11,200	-14,400

	Calendar Year 2004	Water Year 2005
<b>Change in contents, in-acre-feet</b>	-40,900	+17,700

11292800 BEARDSLEY LAKE NEAR STRAWBERRY, CA—Continued

