

**11292600 Donnell Lake near Dardanelle, CA**

San Joaquin River Basin

LOCATION.--Lat 38°19'46", long 119°57'37" referenced to North American Datum of 1927, Tuolumne County, CA, Hydrologic Unit 18040010, unsurveyed, in Stanislaus National Forest, on left bank in hoist house of Donnell Dam on Middle Fork Stanislaus River, 1.2 mi downstream from Niagara Creek, and 6.9 mi west of Dardanelle.

DRAINAGE AREA.--230 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1957 to September 2006, and October 2007 to current year. Prior to October 1960, published as "Donnells Reservoir near Dardanelle."

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,925.44 ft above NGVD of 1929 (levels by Oakdale and South San Joaquin Irrigation Districts). In order to correct to USGS datum, add 4.84 ft to all elevations.

REMARKS.--Lake is formed by concrete arch-type dam completed in 1957. Usable capacity, 64,745 acre-ft, between gage heights 4,720.0 ft, minimum operating head, and 4,917.0 ft, top of spillway gates. Lake is for power and conservation storage. Water passes through a 7.2-mi tunnel to a powerplant and down the Middle Fork Stanislaus River to Beardsley Lake (station 11292800). Records represent total contents at 2400 hours, excluding extremes, of which 2,150 acre-ft is below minimum operating head. 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, 64,900 acre-ft, May 8, 1963, gage height, 4,917.3 ft; minimum since reservoir first filled, 2,220 acre-ft, Apr. 15, 1983, gage height, 4,720.6 ft.  
 Since Oct. 1, 2008, maximum contents, 64,100 acre-ft, July 6, 2010, May 21, 22, 2012, elevation, 4,915.44 ft, July 6, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 62,000 acre-ft, June 29, elevation, 4,910.35 ft; minimum, 6,840 acre-ft, Mar. 30, 31, elevation, 4,744.34 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)  
 (Based on table provided by Pacific Gas and Electric Company, dated Oct. 1, 1956)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
4,720	2,150	4,750	8,220	4,800	22,100
4,725	2,850	4,760	10,800	4,820	28,400
4,730	3,730	4,770	13,400	4,850	38,700
4,735	4,730	4,780	16,200	4,880	49,800
4,740	5,830	4,790	19,100	4,917.3	64,900

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**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	34,900	20,900	21,800	24,600	15,100	9,630	7,400	16,200	47,500	61,200	53,800	47,700
2	34,500	20,500	25,000	24,100	14,900	9,700	7,330	16,700	48,700	60,900	53,300	47,700
3	34,000	20,000	25,800	23,600	14,900	9,810	7,220	17,700	49,800	60,500	53,000	47,300
4	33,600	19,700	26,300	23,100	14,800	9,860	7,400	19,000	51,000	60,300	52,700	47,200
5	33,400	19,200	27,100	22,600	14,800	9,620	7,570	20,000	52,200	60,200	52,300	47,200
6	33,100	18,800	27,900	22,200	14,600	9,420	7,690	20,700	53,100	60,000	52,000	47,100
7	32,700	18,700	28,400	21,800	14,600	9,210	7,640	21,400	53,900	59,900	51,700	47,100
8	32,300	18,500	28,600	21,300	14,500	9,230	7,990	22,100	54,600	59,700	51,500	47,100
9	31,900	18,400	28,800	20,900	14,200	9,340	7,940	22,800	55,600	59,400	51,200	47,000
10	31,400	18,200	28,800	20,500	14,100	9,180	8,010	23,800	56,500	59,300	51,000	47,000
11	30,900	18,000	28,800	20,000	13,900	9,030	8,100	25,000	57,200	59,000	51,000	47,000
12	30,400	17,700	28,800	19,700	13,900	9,010	8,340	26,800	57,800	58,800	50,900	47,000
13	29,900	17,800	28,800	19,100	13,800	9,080	8,700	28,700	58,300	58,600	50,800	47,000
14	29,400	17,900	28,700	18,600	13,600	9,270	9,240	30,800	58,700	58,300	50,600	47,000
15	28,800	18,000	28,500	18,200	13,300	9,420	9,620	32,400	58,900	58,100	50,500	47,000
16	28,200	18,100	28,400	17,700	13,000	9,410	9,890	33,800	59,400	57,800	50,400	47,000
17	27,600	18,200	28,600	17,200	12,700	9,480	9,880	35,000	59,800	57,600	50,300	46,700
18	27,000	18,500	28,400	16,700	12,500	9,490	9,950	36,100	60,200	57,300	50,200	46,400
19	26,400	18,700	28,500	16,000	12,200	9,110	9,800	36,900	60,400	57,000	49,900	46,100
20	25,800	18,800	28,500	15,600	11,900	9,110	9,920	37,800	60,500	56,800	49,500	46,100
21	25,200	19,000	28,200	15,100	11,400	9,030	10,100	38,800	60,600	56,400	49,300	45,600
22	24,600	19,200	28,000	14,600	11,200	8,960	10,600	39,800	60,600	56,200	49,100	45,400
23	24,400	19,400	27,800	14,500	11,000	8,570	11,300	40,600	60,800	56,000	48,800	45,300
24	24,000	19,500	27,500	14,600	10,600	8,260	12,000	41,100	61,000	55,700	48,500	45,100
25	23,600	19,700	27,200	14,800	10,200	7,990	12,600	41,700	61,200	55,400	48,400	44,700
26	23,100	19,800	26,900	15,000	10,100	7,720	12,700	42,300	61,500	55,200	48,300	44,400
27	22,800	19,900	26,400	14,900	9,800	7,270	13,100	43,000	61,700	54,900	48,000	44,300
28	22,400	20,100	25,900	14,800	9,670	7,080	13,600	43,900	61,800	54,600	47,900	44,300
29	22,000	20,300	25,600	14,700	---	6,990	14,200	44,800	61,700	54,400	47,900	44,300
30	21,600	21,100	25,400	14,900	---	6,840	15,300	45,800	61,400	54,200	47,800	44,300
31	21,300	---	25,100	15,100	---	7,120	---	46,700	---	54,000	47,700	---
<b>Max</b>	34,900	21,100	28,800	24,600	15,100	9,860	15,300	46,700	61,800	61,200	53,800	47,700
<b>Min</b>	21,300	17,700	21,800	14,500	9,670	6,840	7,220	16,200	47,500	54,000	47,700	44,300
<b>Elevation, in feet, at end of month</b>	4,794.34	4,796.48	4,809.52	4,775.89	4,755.73	4,745.54	4,776.86	4,871.78	4,909.03	4,890.67	4,874.52	4,865.40
<b>Change in contents, in acre-feet</b>	-14,000	-200	+4,000	-10,000	-5,430	-2,550	+8,180	+31,400	+74,700	-7,400	-6,300	-3,400

	Calendar Year 2012	Water Year 2013
<b>Change in contents, in acre-feet</b>	+1,600	+8,900

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