

**11299995 Tulloch Reservoir near Knights Ferry, CA**

San Joaquin River Basin

LOCATION.--Lat 37°52'34", long 120°36'12" referenced to North American Datum of 1927, Tuolumne County, CA, Hydrologic Unit 18040010, in Rancheria del Rio Estanislao Grant, in center of Tulloch Dam on Stanislaus River, 1.2 mi downstream from Scorpion Gulch, 1.9 mi upstream from Goodwin Dam, and 5.3 mi northeast of Knights Ferry.

DRAINAGE AREA.--980 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1957 to September 2006, October 2007 to current year.

REVISED RECORDS.--WSP 1930: Drainage area. WDR US-2008: 2007 (Table title for diversion).

GAGE.--Water-stage recorder. Elevation of gage is 511.60 ft above NGVD of 1929 (levels by Oakdale and South San Joaquin Irrigation Districts).

REMARKS.--Reservoir is formed by gravity-type concrete dam completed in October 1957. Usable capacity, 56,840 acre-ft, between elevations 431.0 ft, normal minimum water surface, and 511.0 ft, top of radial gates. Dead storage, 11,560 acre-ft. Reservoir is used for irrigation and power. Water passes down Stanislaus River, first passing through Tulloch Powerplant at dam. Part of flow is diverted at Goodwin Dam to Oakdale Canal (station 11301000) and South San Joaquin Canal (station 11300500). Records represent total contents at 2400 hours. Records collected in connection with Federal Energy Regulatory Commission (FERC) project no. 2067. 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, 69,500 acre-ft, Jan. 7, 1965, elevation, 512.0 ft; minimum, 4,580 acre-ft, Oct. 3, 1960, elevation, 404.0 ft. Since Oct. 1, 2008, maximum contents, 66,500 acre-ft, Sept. 10, 2010, elevation 509.66.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 66,400 acre-ft, June 29, elevation 509.55; minimum, 52,400 acre-ft, Apr. 10, elevation, 497.29 ft.

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

Elevation	Contents	Elevation	Contents	Elevation	Contents
404	4,580	430	11,100	475	33,100
411	6,020	445	16,400	490	45,300
420	8,200	460	23,600	512	69,500

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**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	61,500	55,900	56,500	54,400	56,000	57,500	57,600	61,600	65,500	66,300	65,800	65,800
2	61,400	55,500	56,100	56,300	56,300	57,400	57,600	61,500	65,400	65,800	66,100	66,000
3	59,700	55,100	55,900	57,000	55,800	57,200	57,600	62,400	65,600	65,800	65,900	66,100
4	58,100	54,900	55,600	57,300	56,100	57,000	58,700	62,700	65,400	66,100	65,500	65,700
5	58,800	55,900	55,400	57,300	55,700	56,800	58,400	62,200	64,400	65,300	65,400	65,200
6	59,500	55,400	56,200	57,200	55,300	56,700	56,800	62,100	65,800	65,000	65,600	65,400
7	59,700	54,900	56,600	57,000	56,200	57,100	55,800	60,300	65,200	65,000	65,400	65,100
8	60,100	54,600	56,200	56,900	55,800	57,000	55,000	60,900	65,300	66,100	65,500	65,400
9	60,600	55,700	56,900	56,700	55,300	56,800	54,100	60,500	65,200	65,400	65,500	64,900
10	59,300	55,200	56,700	56,500	54,900	56,200	54,100	61,800	65,400	65,900	65,400	64,500
11	60,100	54,700	56,200	56,400	54,400	56,000	54,700	63,700	65,100	65,900	65,500	65,100
12	59,200	56,200	55,900	56,300	54,100	56,400	54,700	63,600	65,200	65,300	65,500	65,700
13	59,900	55,700	55,600	56,300	53,600	55,600	55,500	63,400	65,400	65,200	65,800	66,000
14	59,100	56,900	56,500	56,100	53,700	55,700	56,100	62,500	65,400	65,100	65,400	65,700
15	58,200	56,400	56,700	55,900	54,000	55,900	56,100	62,500	65,000	65,200	65,600	64,800
16	56,700	56,100	57,100	55,700	55,800	56,100	56,100	63,900	64,700	65,400	65,800	63,900
17	57,100	56,200	56,800	55,500	57,800	56,300	56,300	64,400	65,700	65,600	66,000	63,100
18	57,800	55,900	58,500	55,200	59,400	55,700	56,500	64,400	65,300	65,900	65,500	62,100
19	58,600	56,700	59,100	54,900	59,500	55,800	56,600	65,000	65,800	65,800	65,400	63,100
20	58,100	56,600	57,500	56,100	58,100	60,100	56,900	65,100	65,800	65,800	65,900	63,600
21	57,700	56,500	55,400	56,700	56,700	61,000	57,800	64,700	65,700	65,400	66,000	63,500
22	57,400	56,200	54,400	56,400	56,700	60,200	57,800	64,600	65,600	65,400	66,100	63,300
23	56,800	56,500	54,300	56,100	57,000	59,000	57,900	65,100	65,600	65,300	65,700	62,600
24	57,000	57,000	55,100	56,000	56,800	59,600	58,100	65,300	65,300	65,600	64,900	62,800
25	57,100	56,700	55,300	56,000	57,800	58,700	59,100	65,600	65,500	65,400	64,900	62,800
26	56,800	56,400	55,800	55,600	57,900	59,000	60,100	65,400	65,000	65,200	65,700	63,000
27	56,300	56,300	56,700	56,100	57,900	58,500	60,500	64,800	65,200	65,200	65,800	63,000
28	55,600	56,300	57,300	55,800	57,700	57,700	61,100	65,800	65,800	65,500	65,600	62,100
29	55,300	56,000	59,800	55,500	---	56,700	61,700	64,700	66,300	65,600	65,700	61,800
30	54,800	55,600	57,800	55,200	---	56,900	62,400	64,800	66,000	65,700	65,700	62,200
31	54,500	---	55,400	55,600	---	57,000	---	65,200	---	66,000	65,600	---
<b>Max</b>	61,500	57,000	59,800	57,300	59,500	61,000	62,400	65,800	66,300	66,300	66,100	66,100
<b>Min</b>	54,500	54,600	54,300	54,400	53,600	55,600	54,100	60,300	64,400	65,000	64,900	61,800
<b>Elevation, in feet, at end of month</b>	499.26	500.25	500.07	500.28	502.20	501.55	506.29	508.56	509.21	509.25	508.88	506.07
<b>Change in contents, in acre-feet</b>	-6,200	+1,100	-200	+200	+2,100	-700	+5,400	+2,800	+800	0	-400	-3,400
<b>Diversion, in acre-feet, through Tulloch Powerplant</b>	53,500	14,820	27,440	2,990	0	47,940	104,800	115,700	112,400	115,300	115,600	108,000

	Calendar Year 2010	Water Year 2011
<b>Max</b>	66,300	66,300
<b>Min</b>	53,800	53,600
<b>Change in contents, in acre-feet</b>	-600	+1,500

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