

11214550 Courtright Reservoir near Nelson Mountain, CA

Tulare Lake Basin

LOCATION.--Lat 37°04'45", long 118°58'07" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.7, T.10 S., R.28 E., Fresno County, CA, Hydrologic Unit 18030010, Sierra National Forest, at left end of dam on Helms Creek, 2.5 mi upstream from mouth, 4.6 mi east of Nelson Mountain, and 9.7 mi west of Blackcap Mountain.

DRAINAGE AREA.--39.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1958 to September 1982 (monthend elevation and contents only), October 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Pacific Gas and Electric Co.).

COOPERATION.--Records were provided by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission Project nos. 175 and 1988.

REMARKS.--Reservoir is formed by rock-fill dam completed in 1958. Usable capacity, 123,300 acre-ft, between elevations 7,902 ft, invert of tunnel, and 8,184 ft, elevation of spillway. Dead storage negligible. Records, including extremes, represent total contents at 2400 hours. See schematic diagram of Kings River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 124,220 acre-ft, Sept. 26, 1982, elevation, 8,184.57 ft; no contents in 1961-62, 1968, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 117,000 acre-ft, June 17-19, maximum elevation, 8,179.44 ft, June 19; minimum, 16,700 acre-ft, Oct. 18, elevation, 8,074.73 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Pacific Gas and Electric Co., dated Oct. 1, 1997)**

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
7,900	.21	7,970	732	8,035	6,269	8,115	41,902
7,950	267	7,990	1,616	8,060	12,243	8,150	75,803
7,960	461	8,010	3,127	8,085	22,574	8,184	123,284

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29,500	27,200	38,800	49,000	32,700	32,900	39,500	81,100	109,000	96,500	65,600	71,800
2	26,700	28,000	40,500	48,300	31,300	32,300	40,800	80,700	110,000	93,500	67,300	71,800
3	23,700	29,000	39,200	47,500	31,800	33,600	41,700	80,500	110,000	90,900	68,800	71,400
4	23,800	32,700	39,000	46,700	31,900	33,300	42,800	82,000	109,000	86,900	70,700	69,700
5	24,300	34,600	39,100	44,800	32,200	32,000	44,300	86,000	108,000	86,300	71,800	68,600
6	25,200	e35,600	38,600	45,000	31,400	31,800	46,600	86,400	108,000	85,500	72,600	66,400
7	23,500	35,600	38,000	42,900	29,500	30,800	49,800	88,200	107,000	85,300	74,300	64,700
8	22,800	37,600	36,900	39,200	29,500	29,900	51,500	89,600	106,000	83,500	76,200	65,700
9	21,100	37,800	35,500	39,000	29,500	31,500	52,000	91,400	104,000	81,300	78,100	64,700
10	21,300	38,000	34,700	40,200	29,700	31,100	52,400	91,500	106,000	79,400	80,100	63,500
11	22,800	38,200	34,700	35,400	28,900	30,300	54,100	89,600	107,000	76,900	82,500	63,700
12	23,700	38,500	33,200	34,300	27,500	29,800	55,400	88,900	108,000	75,100	83,700	63,500
13	21,800	38,700	32,400	33,300	26,900	29,000	58,100	88,000	110,000	73,800	84,000	63,300
14	20,900	e39,000	32,900	31,100	26,600	28,900	60,700	88,200	111,000	74,000	83,600	63,300
15	19,000	e38,300	33,300	28,800	26,800	29,800	61,500	90,300	113,000	72,600	82,400	63,700
16	18,900	e37,500	33,200	28,400	28,200	30,800	63,300	91,700	116,000	73,000	81,700	62,900
17	18,300	38,500	33,600	28,100	30,800	32,700	63,300	93,600	117,000	73,700	82,200	62,300
18	16,700	42,000	34,100	27,300	31,700	33,800	63,600	96,300	117,000	74,300	81,300	61,900
19	17,500	44,600	33,000	26,800	32,900	33,600	64,400	98,400	117,000	74,200	78,500	59,900
20	20,700	40,400	33,600	27,100	32,200	32,800	66,600	97,700	116,000	74,200	75,400	59,000
21	24,700	38,600	34,100	24,300	31,900	33,400	67,500	98,900	115,000	73,800	74,400	58,300
22	26,700	39,900	36,100	22,600	31,100	34,000	65,900	99,800	114,000	73,300	74,700	58,800
23	27,900	40,000	37,900	22,800	33,300	34,100	65,900	100,000	115,000	72,700	75,100	56,800
24	28,500	42,100	39,500	23,700	33,800	31,700	67,300	101,000	114,000	71,300	75,400	56,500
25	28,100	42,400	41,100	23,900	33,700	31,300	67,700	105,000	114,000	68,500	76,300	56,500
26	26,800	39,800	42,400	25,200	33,500	31,200	69,700	107,000	112,000	66,100	76,600	56,400
27	27,100	39,000	44,600	28,100	32,500	32,700	73,000	108,000	111,000	63,800	76,200	55,900
28	27,100	39,000	44,900	30,000	32,700	33,100	76,800	107,000	108,000	62,700	76,200	56,300
29	29,100	37,700	45,300	31,100	---	33,700	78,100	107,000	104,000	62,700	74,800	57,700
30	27,900	38,700	46,200	32,200	---	36,500	80,400	107,000	99,900	63,700	71,000	56,900
31	26,900	---	47,600	32,800	---	38,900	---	108,000	---	64,200	71,400	---
Max	29,500	44,600	47,600	49,000	33,800	38,900	80,400	108,000	117,000	96,500	84,000	71,800
Min	16,700	27,200	32,400	22,600	26,600	28,900	39,500	80,500	99,900	62,700	65,600	55,900
Elevation, in feet, at end of month	8,094.35	8,110.05	8,121.68	8,102.44	8,101.89	8,109.83	8,152.81	8,172.92	8,170.36	8,139.52	8,145.35	8,131.72
Change in contents, in acre-feet	-4,500	11,800	8,900	-14,800	-100	6,200	41,500	27,600	-8,100	-35,700	7,200	-14,500

	Calendar Year 2012	Water Year 2013
Max	121,800	117,000
Min	16,700	16,700
Change in Contents, in acre-feet	-35,500	25,500

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