

10340300 Prosser Creek Reservoir near Truckee, CA

Pyramid and Winnemucca Lakes Basin

LOCATION.--Lat 39°22'46", long 120°08'12" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.30, T.18 N., R.17 E., Nevada County, CA, Hydrologic Unit 16050102, in control house on Prosser Creek Dam on Prosser Creek, 1.4 mi upstream from mouth, and 4.2 mi northeast of Truckee.

DRAINAGE AREA.--50.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1963 to current year. January 1963 to September 1987 (month end elevations and contents only). Prior to October 1976, published as "near Boca."

REVISED RECORDS.--WDR CA-76-3: 1975. WDR CA-79-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good. Reservoir is formed by rolled-earth and rock-fill dam. Storage began Jan. 30, 1963. Usable capacity, 28,641 acre-ft, between elevations 5,660.6 ft, top of inactive contents, and 5,741.2 ft, crest of spillway. Inactive contents, 1,201 acre-ft, includes 83 acre-ft dead contents below elevation 5,637.0 ft. Figures prior to the 2007 water year represent total contents at 0800 hours. Reservoir is used for flood control, enhancement of fishery, and recreation. See schematic diagram of Truckee River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 33,719 acre-ft, May 19, 1996, elevation, 5,746.11 ft; minimum since reservoir first filled, 66 acre-ft, Oct. 10-12, 1983, elevation, 5,635.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 30,400 acre-ft, July 21, 22, elevation, 5,741.89 ft; minimum, 8,990 acre-ft, Dec. 27, elevation, 5,701.14 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by U.S. Bureau of Reclamation, dated August 1962)**

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
5,630	17	5,670	2,230	5,700	8,640	5,730	22,200
5,640	143	5,680	3,790	5,710	12,100	5,740	28,900
5,650	491	5,690	5,900	5,720	16,600	5,750	37,000
5,660	1,150						

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13,300	9,870	9,720	9,050	9,680	9,780	9,580	12,500	e14,600	29,400	30,200	26,200
2	13,100	9,820	9,730	9,050	9,640	9,810	9,780	12,600	14,600	29,500	30,100	25,900
3	13,000	9,800	9,770	9,040	9,620	9,820	10,000	12,800	14,600	29,600	30,000	25,700
4	e12,900	9,780	9,800	9,050	9,600	9,770	10,200	12,800	14,700	29,600	30,000	25,400
5	12,700	9,770	9,860	9,070	9,580	9,720	10,400	12,900	15,000	29,800	29,900	25,200
6	12,600	9,770	9,950	9,090	9,560	9,690	10,600	13,100	15,400	30,000	29,900	24,900
7	12,400	9,830	9,950	9,110	9,560	9,670	10,700	13,500	15,900	30,200	29,800	24,600
8	12,200	9,900	9,910	9,140	9,580	9,670	10,700	13,700	16,300	30,200	29,800	24,400
9	12,000	9,940	9,950	9,150	9,590	9,670	10,700	13,700	16,800	30,200	29,700	24,100
10	11,800	9,980	10,100	9,170	9,590	9,700	10,600	13,800	17,400	30,200	29,700	23,800
11	11,600	10,000	10,200	9,180	9,590	9,730	10,600	13,900	17,900	30,200	29,600	23,500
12	11,500	9,990	10,300	9,200	9,590	9,770	10,700	14,100	18,500	30,200	29,500	23,200
13	11,300	9,950	10,300	9,230	9,600	9,830	10,700	14,500	19,200	30,200	29,500	23,000
14	11,200	9,910	10,300	9,280	9,610	9,860	10,500	14,800	19,900	30,200	29,400	22,700
15	11,000	9,910	10,000	9,320	9,640	9,890	10,500	15,100	20,700	30,200	29,300	22,400
16	10,900	9,900	9,530	9,370	9,660	10,000	10,500	15,000	21,400	30,200	29,200	22,100
17	10,800	9,880	9,130	9,480	9,690	9,980	10,800	15,000	22,200	30,200	29,100	21,800
18	10,700	9,840	9,070	9,590	9,720	9,910	11,500	15,000	22,900	30,200	29,000	21,500
19	10,500	9,810	9,160	9,670	9,740	9,880	11,700	14,900	23,700	30,300	28,800	21,200
20	10,500	9,810	9,190	9,700	9,750	9,810	12,100	14,800	24,500	30,300	28,600	20,900
21	10,400	9,780	9,240	9,710	9,770	9,750	12,400	14,900	25,100	30,400	28,400	20,600
22	10,300	9,760	9,240	9,710	9,780	9,630	12,500	15,100	25,900	30,400	28,200	20,300
23	10,200	9,740	9,210	9,710	9,780	9,580	12,300	15,200	26,600	30,300	28,000	20,000
24	11,000	9,740	9,150	9,710	9,790	9,520	12,200	15,400	27,200	30,300	27,800	19,700
25	11,500	9,730	9,080	9,710	9,800	9,490	12,000	15,500	27,600	30,300	27,600	19,400
26	11,200	9,730	9,010	9,710	9,790	9,500	11,900	15,500	27,900	30,300	27,400	19,100
27	11,000	9,750	8,990	9,700	9,790	9,490	11,900	15,300	28,300	30,200	27,300	18,800
28	10,700	9,750	9,030	9,700	9,790	9,490	12,100	15,200	28,600	30,200	27,100	18,500
29	10,500	9,730	9,040	9,700	---	9,520	12,300	15,000	29,000	30,200	26,800	18,200
30	10,300	9,720	9,050	9,710	---	9,590	12,400	14,700	29,300	30,200	26,600	17,900
31	10,000	---	9,040	9,690	---	9,590	---	e14,600	---	30,200	26,400	---
Mean	11,400	9,830	9,550	9,410	9,670	9,710	11,200	14,400	21,400	30,100	28,800	22,200
Max	13,300	10,000	10,300	9,710	9,800	10,000	12,500	15,500	29,300	30,400	30,200	26,200
Min	10,000	9,720	8,990	9,040	9,560	9,490	9,580	12,500	14,600	29,400	26,400	17,900
Gage height, in feet, at end of month	5,704.28	5,703.41	5,701.31	5,703.32	5,703.59	5,703.01	5,710.57	---	5,740.45	5,741.64	5,736.45	5,722.43
Change in contents, in acre-feet	-3,500	-280	-680	+650	+100	-200	+2,810	+2,200	+14,700	+900	-3,800	-8,500

	Calendar Year 2010	Water Year 2011
Max	28,900	30,400
Min	8,990	8,990
Change in contents, in acre-feet	-640	+4,400

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