



Water-Data Report 2010

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, 28,900 acre-ft, June 12, elevation, 5,739.93 ft; minimum, 9,490 acre-ft, Jan. 5, elevation, 5,702.70 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 | | | | | | |

10340300 Prosser Creek Reservoir near Truckee, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY OBSERVATION AT 2400 HOURS

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|----------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 13,300 | 9,880 | 9,880 | 9,630 | 9,580 | 10,000 | 10,300 | 15,900 | 26,300 | 25,000 | 22,300 | 19,300 |
| 2 | 13,200 | 9,880 | 9,890 | 9,580 | 9,590 | 9,950 | 10,300 | 16,200 | 26,500 | 24,500 | 22,200 | 19,200 |
| 3 | 13,200 | 9,860 | 9,890 | 9,530 | 9,620 | 9,930 | 10,300 | 16,600 | 27,100 | 24,100 | 22,200 | 19,000 |
| 4 | 13,200 | 9,830 | 9,890 | 9,500 | 9,650 | 9,900 | 10,300 | 17,100 | 27,600 | 23,800 | 22,100 | 18,800 |
| 5 | 13,200 | 9,810 | 9,890 | 9,490 | 9,680 | 9,880 | 10,300 | 17,700 | 27,800 | 23,500 | 22,000 | 18,600 |
| 6 | 13,100 | 9,810 | 9,890 | 9,500 | 9,720 | 9,890 | 10,200 | 18,200 | 28,100 | 23,400 | 21,900 | 18,400 |
| 7 | 13,000 | 9,810 | 9,910 | 9,510 | 9,750 | 9,910 | 10,200 | 18,600 | 28,200 | 23,200 | 21,800 | 18,200 |
| 8 | 12,900 | 9,810 | 9,910 | 9,530 | 9,770 | 9,920 | 10,300 | 19,100 | 28,200 | 23,100 | 21,800 | 18,000 |
| 9 | 12,800 | 9,810 | 9,920 | 9,550 | 9,800 | 9,920 | 10,300 | 19,500 | 28,400 | 23,000 | 21,800 | 17,800 |
| 10 | 12,700 | 9,800 | 9,920 | 9,580 | 9,820 | 9,940 | 10,400 | 19,900 | 28,600 | 23,000 | 21,700 | 17,600 |
| 11 | 12,500 | 9,800 | 9,950 | 9,610 | 9,850 | 9,940 | 10,500 | 20,200 | 28,800 | 23,000 | 21,600 | 17,400 |
| 12 | 12,400 | 9,810 | 10,000 | 9,680 | 9,870 | 9,980 | 10,500 | 20,500 | 28,900 | 23,000 | 21,500 | 17,200 |
| 13 | 12,400 | 9,810 | 10,000 | 9,750 | 9,900 | 9,990 | 10,600 | 20,800 | 28,800 | 23,000 | 21,400 | 17,000 |
| 14 | 12,400 | 9,810 | 10,000 | 9,760 | 9,930 | 10,000 | 10,700 | 21,200 | 28,800 | 23,000 | 21,300 | 16,800 |
| 15 | 12,400 | 9,810 | 10,000 | 9,760 | 9,960 | 9,960 | 10,700 | 21,600 | 28,800 | 23,000 | 21,300 | 16,600 |
| 16 | 12,300 | 9,810 | 10,100 | 9,750 | 10,000 | 9,870 | 10,800 | 22,200 | 28,800 | 23,000 | 21,200 | 16,400 |
| 17 | 12,100 | 9,810 | 10,100 | 9,740 | 10,000 | 9,800 | 11,000 | 22,700 | 28,700 | 23,000 | 21,100 | 16,200 |
| 18 | 12,000 | 9,810 | 10,100 | 9,760 | 10,100 | 9,770 | 11,200 | 23,200 | 28,500 | 23,000 | 21,000 | 16,000 |
| 19 | 11,800 | 9,810 | 10,100 | 9,750 | 10,100 | 9,780 | 11,500 | 23,600 | 28,300 | 23,000 | 20,900 | 15,800 |
| 20 | 11,600 | 9,830 | 10,100 | 9,750 | 10,100 | 9,800 | 12,000 | 24,200 | 28,000 | 22,900 | 20,800 | 15,500 |
| 21 | 11,400 | 9,830 | 10,100 | 9,730 | 10,100 | 9,840 | 12,300 | 24,600 | 27,700 | 22,900 | 20,600 | 15,300 |
| 22 | 11,200 | 9,840 | 10,100 | 9,720 | 10,100 | 9,900 | 12,600 | 24,900 | 27,400 | 22,900 | 20,500 | 15,100 |
| 23 | 11,000 | 9,850 | 10,100 | 9,710 | 10,100 | 9,960 | 12,800 | 25,100 | 27,200 | 22,800 | 20,400 | 14,900 |
| 24 | 10,800 | 9,850 | 10,100 | 9,690 | 10,200 | 10,000 | 13,100 | 25,200 | 26,900 | 22,800 | 20,300 | 14,700 |
| 25 | 10,600 | 9,850 | 10,000 | 9,690 | 10,200 | 10,100 | 13,500 | 25,400 | 26,700 | 22,800 | 20,200 | 14,500 |
| 26 | 10,400 | 9,860 | 9,940 | 9,690 | 10,200 | 10,100 | 13,900 | 25,600 | 26,400 | 22,700 | 20,000 | 14,300 |
| 27 | 10,200 | 9,870 | 9,890 | 9,680 | 10,100 | 10,000 | 14,500 | 25,700 | 26,200 | 22,700 | 19,900 | 14,100 |
| 28 | 10,100 | 9,870 | 9,830 | 9,660 | 10,100 | 10,000 | 15,000 | 25,800 | 26,000 | 22,600 | 19,800 | 13,900 |
| 29 | 9,960 | 9,880 | 9,780 | 9,650 | --- | 10,100 | 15,300 | 25,800 | 25,700 | 22,500 | 19,700 | 13,700 |
| 30 | 9,900 | 9,880 | 9,730 | 9,630 | --- | 10,300 | 15,600 | 25,900 | 25,400 | 22,500 | 19,500 | 13,500 |
| 31 | 9,880 | --- | 9,680 | 9,600 | --- | 10,300 | --- | 26,000 | --- | 22,400 | 19,400 | --- |
| Mean | 11,900 | 9,830 | 9,960 | 9,650 | 9,920 | 9,960 | 11,700 | 21,900 | 27,600 | 23,100 | 21,000 | 16,500 |
| Max | 13,300 | 9,880 | 10,100 | 9,760 | 10,200 | 10,300 | 15,600 | 26,000 | 28,900 | 25,000 | 22,300 | 19,300 |
| Min | 9,880 | 9,800 | 9,680 | 9,490 | 9,580 | 9,770 | 10,200 | 15,900 | 25,400 | 22,400 | 19,400 | 13,500 |
| Gage height, in feet, at end of month | 5,703.86 | 5,703.87 | 5,703.28 | 5,703.05 | 5,704.39 | 5,705.16 | 5,717.92 | 5,735.89 | 5,735.00 | 5,730.29 | 5,725.23 | 5,713.34 |
| Change in contents, in acre-feet | -3,420 | 0 | -200 | -80 | +500 | +200 | +5,300 | +10,400 | -600 | -3,000 | -3,000 | -5,900 |

| | Calendar Year 2009 | Water Year 2010 |
|-----------------------------------------|--------------------|-----------------|
| Max | 30,300 | 28,900 |
| Min | 9,680 | 9,490 |
| Change in contents, in acre-feet | -240 | +200 |

10340300 Prosser Creek Reservoir near Truckee, CA—Continued

