Water-Data Report 2013

# 10338400 Donner Lake near Truckee, CA

Pyramid and Winnemucca Lakes Basin

LOCATION.--Lat 39°19′30″, long 120°16′53″ referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.14, T.17 N., R.15 E., Nevada County, CA, Hydrologic Unit 16050102, on north shore, 2.5 mi upstream from outlet gates, and 4.9 mi west of Truckee.

DRAINAGE AREA.--14.0 $mi^2$.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Westpac Utilities).

REMARKS.--Lake levels regulated by a concrete dam at the outlet constructed in 1928. Usable capacity, 9,490 acre-ft, between elevations 5,923.8 ft and 5,935.8 ft, maximum storage level. Water is used for irrigation and power development downstream. Records, including extremes, represent usable contents at 2400 hours. See schematic diagram of Truckee River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 12,800 acre-ft, Jan. 2, 1997, elevation, 5,938.64 ft; minimum, 2,510 acre-ft, Jan. 24, 28-31, 1991, elevation, 5,927.23 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 9,090 acre-ft, several days in June and July, elevation, 5,935.33 ft; minimum, 3,480 acre-ft, Nov. 14-16, elevation, 5,928.48 ft.

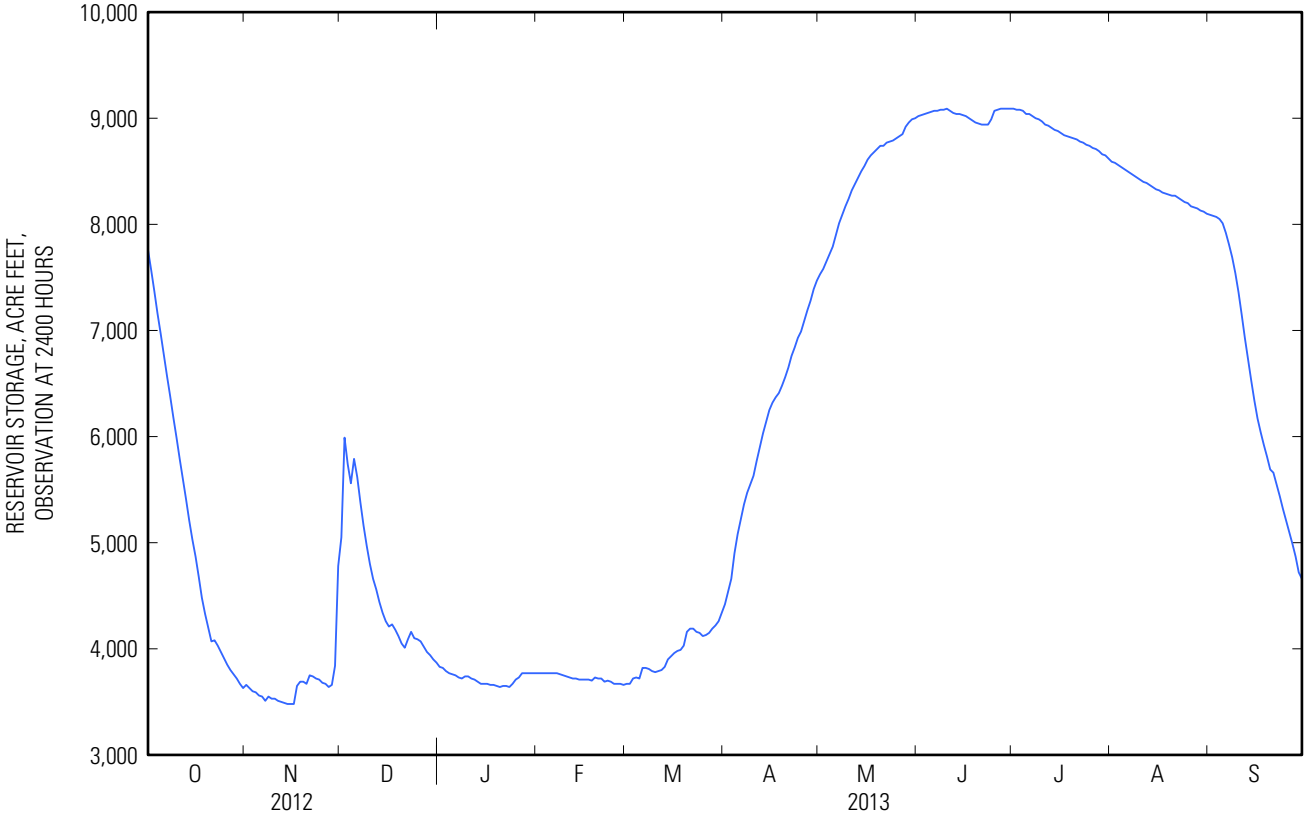
Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Westpac Utilities, dated Aug. 22, 1980)

| Elevation | Contents | Elevation | Contents | Elevation | Contents |
|---|---|---|---|---|---|
| 5,923.8 | 0 | 5,930 | 4,690 | 5,936 | 9,670 |
| 5,926.0 | 1,600 | 5,932 | 6,310 | 5,938 | 12,000 |
| 5,928.0 | 3,120 | 5,934 | 7,970 | 5,940 | 14,700 |

**10338400 Donner Lake near Truckee, CA—Continued**

**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 | 7,760 | 3,660 | 5,050 | 3,830 | 3,770 | 3,670 | 4,420 | 7,530 | 9,020 | 9,090 | 8,590 | 8,090 |
| 2 | 7,570 | 3,630 | 5,990 | 3,820 | 3,770 | 3,670 | 4,540 | 7,580 | 9,030 | 9,080 | 8,580 | 8,080 |
| 3 | 7,370 | 3,600 | 5,740 | 3,790 | 3,770 | 3,720 | 4,660 | 7,650 | 9,040 | 9,080 | 8,560 | 8,070 |
| 4 | 7,160 | 3,590 | 5,560 | 3,770 | 3,770 | 3,730 | 4,900 | 7,720 | 9,050 | 9,070 | 8,540 | 8,050 |
| 5 | 6,970 | 3,560 | 5,790 | 3,760 | 3,770 | 3,720 | 5,080 | 7,790 | 9,060 | 9,040 | 8,520 | 8,010 |
| 6 | 6,770 | 3,550 | 5,620 | 3,750 | 3,770 | 3,820 | 5,220 | 7,900 | 9,070 | 9,040 | 8,500 | 7,920 |
| 7 | 6,570 | 3,510 | 5,380 | 3,730 | 3,770 | 3,820 | 5,360 | 8,010 | 9,070 | 9,020 | 8,480 | 7,810 |
| 8 | 6,380 | 3,550 | 5,160 | 3,720 | 3,760 | 3,810 | 5,470 | 8,090 | 9,080 | 9,000 | 8,460 | 7,690 |
| 9 | 6,180 | 3,530 | 4,970 | 3,740 | 3,750 | 3,790 | 5,550 | 8,170 | 9,080 | 8,990 | 8,440 | 7,540 |
| 10 | 5,990 | 3,530 | 4,800 | 3,740 | 3,740 | 3,780 | 5,630 | 8,240 | 9,090 | 8,970 | 8,420 | 7,360 |
| 11 | 5,790 | 3,510 | 4,660 | 3,720 | 3,730 | 3,790 | 5,770 | 8,320 | 9,070 | 8,940 | 8,400 | 7,150 |
| 12 | 5,600 | 3,500 | 4,560 | 3,710 | 3,720 | 3,800 | 5,900 | 8,380 | 9,050 | 8,930 | 8,390 | 6,930 |
| 13 | 5,410 | 3,490 | 4,440 | 3,690 | 3,720 | 3,830 | 6,030 | 8,440 | 9,040 | 8,910 | 8,370 | 6,730 |
| 14 | 5,210 | 3,480 | 4,340 | 3,670 | 3,710 | 3,900 | 6,140 | 8,500 | 9,040 | 8,890 | 8,350 | 6,530 |
| 15 | 5,030 | 3,480 | 4,260 | 3,670 | 3,710 | 3,930 | 6,250 | 8,550 | 9,030 | 8,880 | 8,330 | 6,340 |
| 16 | 4,870 | 3,480 | 4,210 | 3,670 | 3,710 | 3,960 | 6,320 | 8,610 | 9,020 | 8,860 | 8,320 | 6,170 |
| 17 | 4,680 | 3,650 | 4,230 | 3,660 | 3,710 | 3,980 | 6,370 | 8,650 | 9,000 | 8,840 | 8,300 | 6,040 |
| 18 | 4,480 | 3,690 | 4,180 | 3,660 | 3,700 | 3,990 | 6,410 | 8,680 | 8,980 | 8,830 | 8,290 | 5,920 |
| 19 | 4,330 | 3,690 | 4,120 | 3,650 | 3,730 | 4,030 | 6,480 | 8,710 | 8,960 | 8,820 | 8,280 | 5,810 |
| 20 | 4,200 | 3,670 | 4,050 | 3,640 | 3,720 | 4,160 | 6,560 | 8,740 | 8,950 | 8,810 | 8,270 | 5,690 |
| 21 | 4,070 | 3,750 | 4,010 | 3,650 | 3,720 | 4,190 | 6,650 | 8,740 | 8,940 | 8,800 | 8,270 | 5,660 |
| 22 | 4,080 | 3,740 | 4,090 | 3,650 | 3,690 | 4,190 | 6,760 | 8,770 | 8,940 | 8,780 | 8,250 | 5,550 |
| 23 | 4,030 | 3,720 | 4,160 | 3,640 | 3,700 | 4,160 | 6,840 | 8,780 | 8,940 | 8,770 | 8,230 | 5,440 |
| 24 | 3,970 | 3,710 | 4,100 | 3,670 | 3,690 | 4,150 | 6,930 | 8,790 | 8,990 | 8,750 | 8,210 | 5,320 |
| 25 | 3,910 | 3,680 | 4,090 | 3,710 | 3,670 | 4,120 | 6,990 | 8,810 | 9,070 | 8,740 | 8,200 | 5,210 |
| 26 | 3,850 | 3,670 | 4,070 | 3,730 | 3,670 | 4,130 | 7,090 | 8,830 | 9,080 | 8,720 | 8,170 | 5,100 |
| 27 | 3,800 | 3,640 | 4,020 | 3,770 | 3,670 | 4,150 | 7,190 | 8,850 | 9,090 | 8,710 | 8,160 | 4,990 |
| 28 | 3,760 | 3,660 | 3,970 | 3,770 | 3,660 | 4,190 | 7,280 | 8,920 | 9,090 | 8,690 | 8,150 | 4,870 |
| 29 | 3,720 | 3,840 | 3,940 | 3,770 | --- | 4,220 | 7,390 | 8,960 | 9,090 | 8,660 | 8,130 | 4,720 |
| 30 | 3,670 | 4,780 | 3,900 | 3,770 | --- | 4,260 | 7,470 | 8,990 | 9,090 | 8,650 | 8,120 | 4,660 |
| 31 | 3,630 | --- | 3,870 | 3,770 | --- | 4,340 | --- | 9,000 | --- | 8,620 | 8,100 | --- |
| Max | 7,760 | 4,780 | 5,990 | 3,830 | 3,770 | 4,340 | 7,470 | 9,000 | 9,090 | 9,090 | 8,590 | 8,090 |
| Min | 3,630 | 3,480 | 3,870 | 3,640 | 3,660 | 3,670 | 4,420 | 7,530 | 8,940 | 8,620 | 8,100 | 4,660 |
| **Elevation, in feet, at end of month** | | | | | | | | | | | | |
| | 5,928.67 | 5,930.12 | 5,928.97 | 5,928.84 | 5,928.71 | 5,929.58 | 5,933.42 | 5,935.23 | 5,935.33 | 5,934.78 | 5,934.16 | 5,929.96 |
| **Change in contents, in acre-feet** | | | | | | | | | | | | |
| | -4,290 | +1,150 | -910 | -100 | -110 | +680 | +3,130 | +1,530 | +90 | -470 | -520 | -3,440 |

| | Calendar Year 2012 | Water Year 2013 |
|---|---|---|
| **Max** | 9,580 | 9,090 |
| **Min** | 3,290 | 3,480 |
| **Change in contents, in acre-feet** | +540 | -3,260 |

**10338400 Donner Lake near Truckee, CA—Continued**