Water-Data Report 2013

10297000 Topaz Lake Near Topaz, CA

Walker Basin
West Walker Subbasin

LOCATION.--Lat 38°41'35.64", long 119°31'13.11" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec.33, T.10 N., R.22 E., Douglas County, NV, Hydrologic Unit 16050302, at boat ramp of Topaz Lake County Park on West Walker River, and 5.5 mi north of Topaz.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Dec. 1921 to Sep. 1931 (monthly contents only published in WSP 1734), Oct. 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 01, 1978, at datum 4.62 ft higher.

REMARKS.--Topaz Lake, formerly known as Alkali Lake and Topaz Reservoir, was formed by the diversion of water from West Walker River through a feeder canal and the construction of an outlet tunnel through a low saddle in rim of lake. Storage began about Dec. 1921. Usable capacity, 59,440 acre-ft, between elevations 4,967.68 ft (lowest practical elevation for diversion through tunnel) and 5,000.38 ft (3 ft below top of levee). Usable capacity of reservoir was increased from about 45,000 acre-ft to 59,440 acre-ft in Oct. 1937 by an earthfill, rock-faced levee at south end. Figures given herein represent usable contents. There is 65,000 acre-ft of lake volume below the point of controllable storage. Water is used for irrigation in Walker River Irrigation District.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 17,700 acre-ft, May 16, elevation, 4978.77 ft; minimum contents, 3,550 acre-ft, Nov. 08, elevation, 4,969.98 ft.

Capacity table (elevation, in feet above NGVD 1929, and contents, in acre-feet)

Elevation	Contents	Elevation	Contents	Elevation	Contents
4,968	490	4,980	19,760	4,995	47,540
4,970	3,580	4,985	28,310	5,000	58,570
4,975	11,520	4,990	37,360	5,001	60,870

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 10297000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/10297000.2013.pdf

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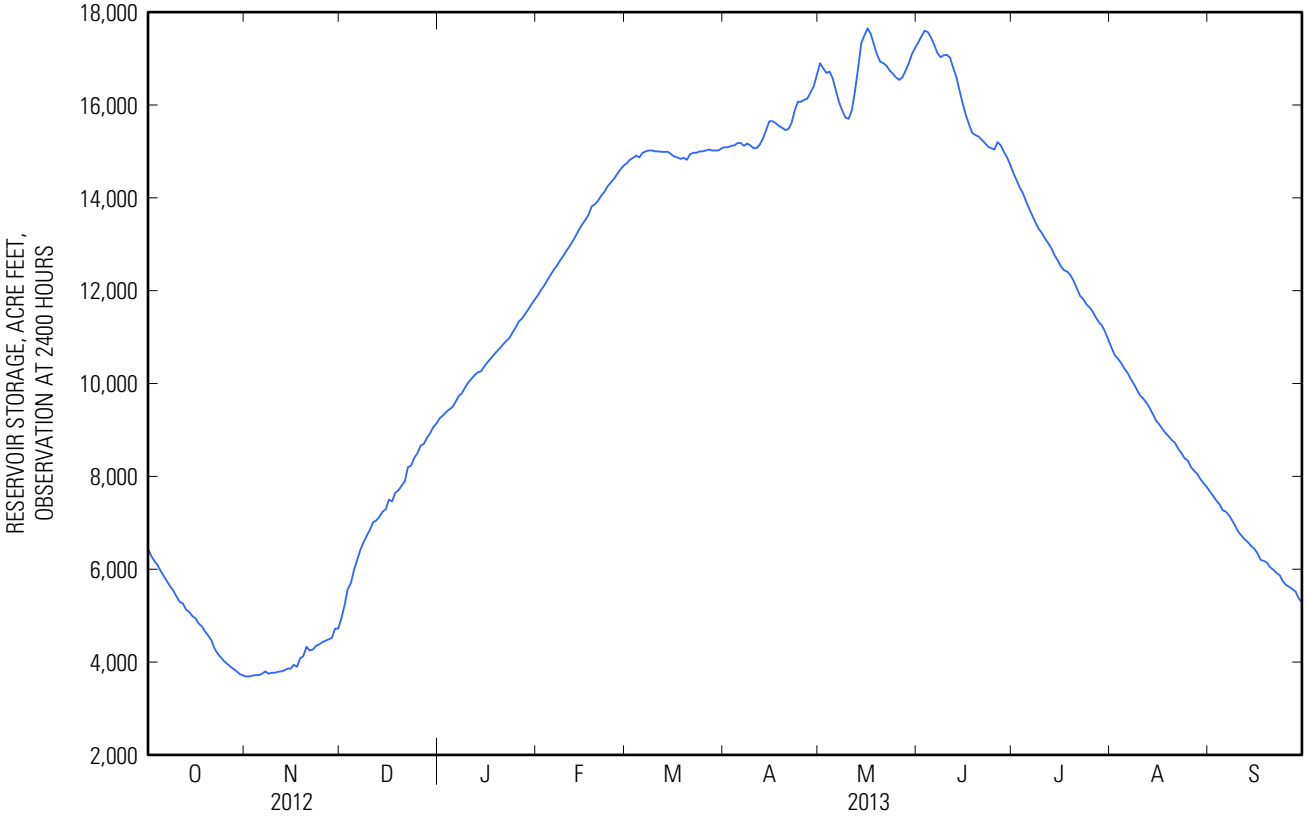
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6,440	3,690	4,940	9,250	11,900	14,740	15,090	16,900	17,350	14,530	10,760	7,670
2	6,290	3,690	5,220	9,310	12,020	14,820	15,090	16,790	17,480	14,380	10,610	7,580
3	6,180	3,710	5,570	9,380	12,110	14,860	15,120	16,690	17,600	14,220	10,530	7,480
4	6,090	3,720	5,700	9,440	12,230	14,910	15,130	16,720	17,570	14,100	10,440	7,400
5	5,960	3,720	5,990	9,490	12,340	14,870	15,180	16,570	17,450	13,920	10,320	7,270
6	5,850	3,750	6,200	9,600	12,450	14,970	15,180	16,310	17,300	13,760	10,230	7,240
7	5,740	3,800	6,420	9,730	12,540	15,000	15,120	16,060	17,120	13,610	10,100	7,160
8	5,630	3,750	6,580	9,790	12,650	15,020	15,170	15,880	17,030	13,460	9,990	7,050
9	5,540	3,770	6,720	9,910	12,750	15,020	15,130	15,730	17,070	13,330	9,860	6,930
10	5,410	3,770	6,850	10,020	12,860	15,000	15,070	15,700	17,080	13,240	9,740	6,800
11	5,300	3,790	7,010	10,100	12,960	15,000	15,070	15,880	17,020	13,120	9,670	6,720
12	5,260	3,800	7,050	10,180	13,070	14,990	15,150	16,290	16,800	13,020	9,580	6,640
13	5,130	3,820	7,130	10,240	13,190	14,990	15,280	16,790	16,600	12,910	9,470	6,580
14	5,080	3,860	7,240	10,260	13,320	14,990	15,460	17,330	16,310	12,760	9,340	6,500
15	4,990	3,860	7,290	10,360	13,430	14,940	15,650	17,500	16,030	12,650	9,200	6,440
16	4,940	3,940	7,500	10,450	13,530	14,890	15,650	17,650	15,780	12,520	9,120	6,340
17	4,830	3,900	7,460	10,530	13,640	14,870	15,610	17,530	15,580	12,440	9,020	6,200
18	4,770	4,080	7,650	10,610	13,820	14,840	15,550	17,300	15,400	12,410	8,930	6,180
19	4,660	4,130	7,700	10,690	13,860	14,860	15,510	17,080	15,350	12,330	8,860	6,140
20	4,570	4,330	7,800	10,760	13,940	14,820	15,460	16,930	15,320	12,210	8,780	6,040
21	4,470	4,250	7,890	10,840	14,050	14,940	15,480	16,900	15,250	12,050	8,720	5,990
22	4,290	4,270	8,200	10,920	14,130	14,970	15,610	16,840	15,180	11,890	8,590	5,920
23	4,180	4,350	8,230	10,980	14,250	14,970	15,880	16,740	15,100	11,820	8,500	5,870
24	4,100	4,380	8,400	11,100	14,330	15,000	16,070	16,670	15,070	11,710	8,390	5,740
25	4,020	4,430	8,500	11,210	14,410	15,000	16,070	16,590	15,040	11,640	8,340	5,660
26	3,960	4,460	8,660	11,340	14,510	15,020	16,110	16,540	15,200	11,550	8,200	5,620
27	3,900	4,490	8,700	11,400	14,610	15,040	16,140	16,600	15,130	11,420	8,120	5,570
28	3,850	4,520	8,830	11,500	14,690	15,020	16,270	16,740	14,990	11,320	8,050	5,520
29	3,800	4,720	8,930	11,600	---	15,020	16,400	16,900	14,870	11,240	7,940	5,370
30	3,740	4,720	9,060	11,710	---	15,020	16,650	17,100	14,710	11,100	7,850	5,290
31	3,710	---	9,140	11,810	---	15,070	---	17,230	---	10,930	7,770	---
Max	6,440	4,720	9,140	11,810	14,690	15,070	16,650	17,650	17,600	14,530	10,760	7,670
Min	3,710	3,690	4,940	9,250	11,900	14,740	15,070	15,700	14,710	10,930	7,770	5,290
Elevation, in feet above NGVD 1929, at end of month.												
	4,970.08	4,970.73	4,973.52	4,975.18	4,976.95	4,977.18	4,978.14	4,978.49	4,976.96	4,974.64	4,972.66	4,971.09
Change in contents, in acre-feet.												
	-2,880	+1,010	+4,420	+2,670	+2,880	+380	+1,580	+580	-2,520	-3,780	-3,160	-2,480

	Calendar Year 2012	Water Year 2013
Max	45,410	17,650
Min	3,690	3,690
Change in contents, in acre-feet.	-26,930	-1,300

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