

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.--Records good. 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, 59,050 acre-ft, July 25, gage height, 5,000.21 ft; minimum contents, 15,600 acre-ft, Oct. 24, gage height, 4,977.50 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

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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	17,530	16,340	23,190	34,160	41,980	47,730	43,470	43,150	43,950	56,680	58,840	46,250
2	17,200	16,320	23,410	34,510	42,180	48,110	43,800	42,370	43,780	56,550	58,730	45,550
3	16,870	16,290	23,700	34,800	42,390	48,390	44,360	41,760	43,540	56,710	58,730	44,820
4	16,650	16,290	23,990	35,060	42,650	48,600	44,780	41,410	43,500	56,960	58,770	44,120
5	16,670	16,470	24,300	35,280	42,880	48,800	45,360	41,450	43,740	57,300	58,770	43,410
6	16,570	16,750	24,560	35,520	43,100	49,050	45,890	42,020	44,380	57,410	58,750	42,690
7	16,500	17,100	24,850	35,750	43,330	49,330	46,560	42,820	44,760	57,610	58,750	41,920
8	16,450	17,380	25,070	35,990	43,540	49,550	46,900	43,740	44,840	57,950	58,730	41,150
9	16,400	17,670	e25,350	36,200	43,740	49,760	47,110	44,220	44,900	57,910	58,520	40,390
10	16,370	17,950	25,670	36,420	43,930	49,980	47,150	44,320	44,950	57,570	58,180	39,670
11	16,340	18,210	26,000	36,650	44,140	50,180	47,170	44,280	45,070	57,090	57,660	39,010
12	16,310	18,480	26,330	36,900	44,340	50,410	47,070	44,340	45,030	57,000	57,070	38,480
13	16,270	18,770	26,640	37,130	44,510	50,610	46,860	44,760	45,300	57,110	56,500	38,110
14	16,260	19,030	26,970	37,420	44,780	50,810	46,580	45,510	45,890	57,500	55,990	37,840
15	16,220	19,300	27,230	37,670	44,900	50,940	46,370	46,100	46,730	58,000	55,470	37,550
16	16,190	19,570	27,540	37,940	45,160	51,090	46,220	46,160	47,920	58,360	54,930	37,260
17	16,170	19,860	27,910	38,210	45,340	50,830	46,220	45,780	48,840	58,550	54,280	36,940
18	16,140	20,040	28,390	38,470	45,660	50,350	46,690	45,260	49,400	58,680	53,680	36,650
19	16,110	20,280	29,360	38,760	45,890	49,890	47,150	44,590	50,110	58,770	e53,200	36,370
20	16,070	20,590	29,900	39,000	46,080	49,510	47,560	43,890	50,670	58,820	e52,700	36,050
21	16,040	20,870	30,360	39,270	46,290	48,950	47,830	43,310	51,240	58,870	e52,200	35,750
22	15,980	21,070	30,840	39,510	46,500	48,430	48,050	42,980	52,200	58,910	e51,750	35,480
23	15,890	21,290	31,240	39,770	46,710	47,830	47,810	42,860	53,570	58,910	e51,300	35,210
24	15,880	21,520	31,650	40,030	46,900	47,110	47,280	42,820	54,950	58,960	e50,800	34,980
25	16,570	21,740	31,990	40,280	47,110	46,390	46,650	42,800	55,560	58,960	50,330	34,780
26	16,520	21,960	32,260	40,530	47,260	45,570	46,080	43,000	55,720	58,840	49,720	34,580
27	16,520	22,270	32,600	40,770	47,430	44,800	45,490	43,210	55,670	58,730	49,120	34,380
28	16,490	22,510	32,980	41,010	47,620	44,180	45,010	43,740	55,940	58,640	48,620	34,180
29	16,450	22,710	33,330	41,270	---	43,620	44,610	44,030	57,070	58,640	48,200	33,980
30	16,400	22,920	33,620	41,510	---	43,370	43,950	44,140	57,020	58,660	47,620	33,760
31	16,370	---	33,850	41,760	---	43,350	---	44,010	---	58,940	46,960	---
Max	17,530	22,920	33,850	41,760	47,620	51,090	48,050	46,160	57,070	58,960	58,840	46,250
Min	15,880	16,290	23,190	34,160	41,980	43,350	43,470	41,410	43,500	56,550	46,960	33,760
Elevation, in feet above NGVD 1929, at end of month.	4,977.97	4,981.87	4,988.12	4,992.22	4,995.04	4,993.00	4,993.29	4,993.32	4,999.32	5,000.16	4,994.74	4,988.07
Change in contents, in acre-feet.	-1,480	+6,550	+10,930	+7,910	5,860	-4,270	+600	+60	+13,010	+1,920	-11,980	-13,200

	Calendar Year 2010	Water Year 2011
Max	58,910	58,960
Min	15,880	15,880
Change in contents, in acre-feet.	+15,530	+15,910

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