

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, 45,510 acre-ft, May 17, elevation, 4994.04 ft; minimum contents, 6,590 acre-ft, Sep. 30, elevation, 4,971.92 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 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	33,490	28,760	33,090	36,180	40,970	44,450	44,720	44,900	42,980	33,090	22,490	13,710
2	33,250	28,900	33,160	36,290	41,110	44,530	44,680	45,180	43,100	32,800	22,020	13,370
3	33,020	29,040	33,270	36,400	41,230	44,570	44,530	45,240	43,040	32,500	21,560	13,020
4	32,690	29,180	33,380	36,520	41,350	44,590	44,570	45,050	43,000	32,190	21,140	12,680
5	32,590	29,320	33,510	36,650	41,470	44,610	44,450	44,950	42,940	31,870	20,750	12,340
6	32,460	29,460	33,600	36,770	41,590	44,680	44,320	44,930	42,860	31,510	20,330	12,030
7	32,300	29,620	33,710	36,840	41,760	44,660	44,240	44,880	42,650	31,160	19,960	11,710
8	32,170	29,780	33,810	36,960	e41,850	44,680	44,090	44,800	42,390	30,780	19,600	11,340
9	32,070	29,940	33,920	37,050	e42,000	44,720	44,030	44,720	42,040	30,360	19,280	11,030
10	31,900	30,090	34,030	37,190	e42,100	44,720	43,950	44,820	41,700	30,020	18,980	10,690
11	31,830	30,270	34,140	37,280	e42,220	44,780	43,890	44,970	41,350	29,690	18,680	10,390
12	31,810	30,460	34,250	37,380	42,370	44,680	43,850	45,030	41,090	29,370	18,400	10,100
13	31,780	30,610	34,360	37,480	42,450	44,700	43,740	45,070	40,810	29,020	18,100	9,860
14	31,760	30,800	34,450	37,570	42,610	44,680	43,700	45,200	40,460	28,660	17,850	9,620
15	31,670	30,960	34,560	37,730	42,670	44,610	43,620	45,300	40,120	28,240	17,620	9,340
16	31,550	31,140	34,670	37,710	e42,800	44,680	43,540	45,340	39,750	27,800	17,400	9,120
17	31,460	31,330	34,780	37,860	e42,910	44,820	43,390	45,410	39,330	27,350	17,170	8,880
18	31,370	31,330	34,870	37,880	e43,000	44,820	43,270	45,320	38,820	26,950	17,030	8,660
19	31,240	31,460	34,970	38,020	e43,130	44,840	43,170	45,160	38,330	26,640	16,870	8,430
20	31,070	31,620	35,060	38,250	e43,250	44,860	43,150	45,050	37,800	26,400	16,650	8,230
21	30,840	31,740	35,170	38,880	e43,410	44,840	43,270	45,010	37,260	26,140	16,450	8,040
22	30,520	31,850	35,260	39,130	43,600	44,950	43,660	44,860	36,710	25,880	16,220	7,850
23	30,110	32,050	35,320	39,450	43,720	44,970	44,200	44,780	36,230	25,620	16,010	7,690
24	29,720	32,160	35,390	39,650	43,890	44,900	44,590	44,510	35,760	25,360	15,790	7,460
25	29,440	32,300	35,480	39,870	43,970	44,860	44,970	44,140	35,340	25,110	15,600	7,320
26	29,180	32,420	35,600	40,030	44,070	44,860	45,260	43,660	34,910	24,830	15,350	7,150
27	28,970	32,570	35,690	40,200	44,240	44,800	45,220	43,190	34,540	24,520	15,120	7,020
28	28,760	32,750	35,780	40,340	44,280	44,840	44,970	42,880	34,180	24,210	14,860	6,910
29	28,590	32,840	35,900	40,510	44,360	44,840	44,720	42,780	33,810	23,820	14,590	6,750
30	28,530	33,000	35,990	40,670	---	44,800	44,660	42,800	33,400	23,410	14,310	6,590
31	28,640	---	36,070	40,870	---	44,820	---	42,860	---	22,950	14,020	---
Max	33,490	33,000	36,070	40,870	44,360	44,970	45,260	45,410	43,100	33,090	22,490	13,710
Min	28,530	28,760	33,090	36,180	40,970	44,450	43,150	42,780	33,400	22,950	14,020	6,590
Elevation, in feet above NGVD 1929, at end of month.	4,989.81	4,992.27	4,993.94	4,996.40	4,998.11	4,998.33	4,998.25	4,997.38	4,992.49	4,986.51	4,981.16	4,976.54
Change in contents, in acre-feet.	-5,120	+4,360	+3,070	+4,800	+3,490	+460	-160	-1,800	-9,460	-10,450	-8,930	-7,430

	Calendar Year 2011	Water Year 2012
Max	58,960	45,410
Min	28,530	6,590
Change in contents, in acre-feet.	+2,220	-27,170

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