

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, 27,840 acre-ft, Jun 23, gage height 4,984.73 ft; minimum contents, 5,600 acre-ft, Dec 16, gage height, 4,971.29 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 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8,690	6,720	6,170	6,670	10,110	13,530	14,760	15,150	22,100	26,970	20,580	12,160
2	8,670	6,690	6,100	6,690	10,180	13,630	14,760	15,100	22,470	26,800	20,280	12,000
3	8,610	6,670	6,040	6,670	10,340	13,710	14,720	15,050	22,850	26,620	19,920	11,840
4	8,510	6,660	6,010	7,230	10,420	13,840	14,680	15,100	23,290	26,470	19,600	11,710
5	8,450	6,630	6,060	7,530	10,500	13,890	14,610	15,090	23,560	26,260	19,280	11,600
6	8,350	6,590	6,070	7,670	10,600	13,970	14,580	15,070	23,870	26,000	18,880	11,450
7	8,270	6,560	6,120	7,720	10,680	14,040	14,560	15,300	24,330	25,810	18,520	11,240
8	8,200	6,560	6,100	7,830	10,810	14,070	14,560	15,460	24,590	25,670	18,150	11,050
9	8,070	6,520	6,090	7,970	10,920	14,080	14,540	15,510	24,850	25,500	17,850	10,890
10	8,040	6,520	6,070	8,100	11,030	14,130	14,540	15,550	25,360	25,240	17,520	10,680
11	7,930	6,550	6,060	8,240	11,140	14,200	14,530	15,680	25,830	24,930	17,220	10,530
12	7,880	6,550	6,040	8,310	11,270	14,230	14,540	15,860	26,070	24,690	16,950	10,390
13	7,810	6,530	5,990	8,470	11,370	14,200	14,560	15,810	26,240	24,500	16,650	10,210
14	7,770	6,520	5,990	8,530	11,450	14,270	14,590	15,660	26,500	24,330	16,390	9,990
15	7,700	6,500	5,990	8,620	11,550	14,360	14,740	15,990	26,860	24,150	16,140	9,780
16	7,640	6,470	5,770	8,750	11,640	14,400	14,720	16,790	27,160	23,960	15,880	9,630
17	7,610	6,440	5,880	8,830	11,740	14,430	14,630	17,650	27,330	23,750	15,560	9,520
18	7,560	6,420	5,990	8,880	11,890	14,480	14,630	18,570	27,440	23,600	15,280	9,460
19	7,340	6,370	6,010	8,980	11,970	14,530	14,660	19,590	27,470	23,440	15,000	9,380
20	7,370	6,360	6,100	9,070	12,080	14,560	14,630	20,580	27,450	23,270	14,720	9,280
21	7,340	6,370	6,140	9,170	12,200	14,640	14,580	21,580	27,450	23,090	14,460	9,200
22	7,260	6,360	6,180	9,250	12,390	14,690	14,450	22,190	27,650	22,900	14,200	9,070
23	7,190	6,330	6,250	9,360	12,630	14,680	14,270	22,360	27,800	22,710	13,940	8,940
24	7,160	6,290	6,340	9,440	12,780	14,690	14,150	22,190	27,730	22,530	13,660	8,830
25	7,100	6,290	6,290	9,470	12,880	14,710	14,050	22,020	27,580	22,320	13,400	8,750
26	7,010	6,260	6,390	9,650	12,990	14,710	14,020	21,790	27,400	22,080	13,170	8,690
27	6,960	6,220	6,450	9,830	13,120	14,740	14,120	21,740	27,280	21,850	13,010	8,590
28	6,930	6,200	6,530	9,860	13,270	14,740	14,450	21,780	27,210	21,630	12,850	8,510
29	6,800	6,120	6,470	9,870	13,370	14,690	14,820	21,740	27,160	21,410	12,700	8,430
30	6,740	6,180	6,630	9,950	---	14,690	15,090	21,740	27,070	21,170	12,540	8,340
31	6,740	---	6,660	9,970	---	14,740	---	21,850	---	20,870	12,340	---
Max	8,690	6,720	6,660	9,970	13,370	14,740	15,090	22,360	27,800	26,970	20,580	12,160
Min	6,740	6,120	5,770	6,670	10,110	13,530	14,020	15,050	22,100	20,870	12,340	8,340
Elevation, in feet above NGVD 1929, at end of month.	4,972.01	4,971.66	4,971.96	4,974.04	4,976.14	4,976.98	4,977.19	4,981.24	4,984.29	4,980.66	4,975.51	4,973.02
Change in contents, in acre-feet.	-2,060	-560	+480	+3,310	+3,400	+1,370	+350	+6,760	+5,220	-6,200	-8,530	-4,000

	Calendar Year 2007	Water Year 2008
Max	34,580	27,800
Min	5,770	5,770
Change in contents, in acre-feet.	-20,200	-460

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