

10297000 TOPAZ LAKE NEAR TOPAZ, CA

WALKER RIVER BASIN, WEST WALKER RIVER BASIN

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, 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.

WATER-STAGE 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 1, 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, 61,030 acre-ft, Jun 16, gage height, 105.69 ft; minimum contents, 1,890 acre-ft, Oct 17, gage height, 73.53 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

10297000 TOPAZ LAKE NEAR TOPAZ, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,400	2,670	6,500	10,240	15,070	20,730	25,000	25,350	54,640	60,340	57,160	40,320
2	2,390	2,760	6,580	10,370	15,220	20,920	25,000	25,520	55,360	60,540	56,820	39,650
3	2,370	2,900	6,660	10,470	15,370	21,070	25,040	25,810	55,650	60,520	56,460	39,010
4	2,370	3,010	6,740	10,600	15,550	21,190	25,070	26,140	55,940	60,200	56,100	38,310
5	2,360	3,130	6,830	10,730	15,700	21,300	25,090	26,570	56,440	59,940	55,740	37,630
6	2,340	3,270	6,740	10,820	15,880	21,410	25,140	26,860	56,570	59,880	55,420	36,900
7	2,330	3,360	7,040	11,050	16,060	21,490	25,260	27,040	56,440	59,970	55,220	36,230
8	2,310	3,600	7,150	11,320	16,220	21,590	25,430	27,230	55,990	59,900	55,000	35,600
9	2,290	3,720	7,290	11,400	16,370	21,690	25,520	27,780	56,010	59,740	54,620	34,950
10	2,260	3,940	7,430	11,660	16,520	21,780	25,590	28,050	56,390	59,440	54,130	34,230
11	2,250	4,130	7,590	11,840	16,720	21,900	25,620	28,170	57,020	59,190	53,620	33,600
12	2,220	4,320	7,690	11,990	16,890	22,050	25,640	28,270	57,820	59,100	53,090	32,980
13	2,200	4,460	7,880	12,150	17,050	22,220	25,620	28,520	58,640	59,070	52,510	32,390
14	2,190	4,610	7,990	12,290	17,230	22,410	25,550	29,010	59,620	58,960	51,900	31,760
15	2,170	4,770	8,120	12,440	17,500	22,580	25,470	29,870	60,500	58,840	51,280	31,140
16	2,120	4,900	8,240	12,580	17,760	22,750	25,450	32,170	60,850	58,730	50,650	30,570
17	2,080	5,040	8,350	12,710	17,980	22,850	25,570	34,230	60,340	58,570	50,020	30,040
18	2,080	5,150	8,500	12,850	18,200	22,980	25,860	35,780	59,320	58,620	49,400	29,510
19	2,190	5,300	8,640	12,990	18,430	23,100	26,030	37,900	58,090	58,680	48,820	29,010
20	2,250	5,410	8,780	13,110	18,650	23,290	25,930	39,790	57,250	58,680	48,260	28,550
21	2,250	5,480	8,910	13,240	18,930	23,380	25,780	41,170	57,160	58,730	47,750	28,200
22	2,260	5,550	8,990	13,370	19,270	23,680	25,690	42,000	57,520	58,660	47,260	27,820
23	2,260	5,660	9,070	13,510	19,540	23,870	25,570	43,230	58,070	58,640	46,620	27,420
24	2,290	5,790	9,170	13,660	19,750	24,040	25,470	44,740	58,620	58,550	45,950	27,090
25	2,120	5,920	9,270	13,810	19,970	24,200	25,310	46,370	59,100	58,390	45,260	26,780
26	2,360	5,990	9,410	14,020	20,170	24,350	25,230	48,320	59,370	58,160	44,530	26,500
27	2,370	6,220	9,550	14,200	20,360	24,560	25,240	50,370	59,580	57,980	43,870	26,240
28	2,400	6,310	9,620	14,380	20,580	24,740	25,210	52,120	59,780	57,910	43,270	25,970
29	2,470	6,370	9,760	14,560	---	24,850	25,160	53,220	59,880	57,750	42,570	25,690
30	2,510	6,420	9,950	14,720	---	24,920	25,210	53,330	60,080	57,590	41,860	25,400
31	2,590	---	10,180	14,870	---	24,950	---	53,800	---	57,410	41,090	---
Max	2,590	6,420	10,180	14,870	20,580	24,950	26,030	53,800	60,850	60,540	57,160	40,320
Min	2,080	2,670	6,500	10,240	15,070	20,730	25,000	25,350	54,640	57,410	41,090	25,400
Elevation, in feet above NGVD 1929, at end of month.	4,969.36	4,4971.81	4,974.17	4,977.05	4,980.49	4,4983.05	4,983.21	4,997.88	5,000.66	4,999.48	4,991.89	4,983.32
Change in contents, in acre-feet.	+170	+3,830	+3,760	+4,690	+5,710	+4,370	+260	+28,590	+6,280	-2,670	-16,320	-15,690

	Calendar Year 2004	Water Year 2005	Change in contents, in acre-feet.
Max	23,190	60,850	-1,500
Min	2,080	2,080	+22,980