

10336710 Marlette Lake Near Carson City, NV

Truckee Basin
Lake Tahoe Subbasin

LOCATION.--Lat 39°10'22.71", long 119°54'19.84" referenced to North American Datum of 1983, in SW ¼ SE ¼ sec.12, T.15 N., R.18 E., Washoe County, NV, Hydrologic Unit 16050101, in Toiyabe National Forest, on west shore, about 1,000 ft east from left side of dam on Marlette Creek, and 7.5 mi west of Carson City.

DRAINAGE AREA.--2.86 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Nov. 1973 to current year.

REVISED RECORDS.--WDR NV-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above National Geodetic Vertical Datum of 1929 (spillway elevation furnished in written communication, 1971).

REMARKS.--Lake is formed by earthfill dam across the outlet of a small natural lake (at one time called Goodwin Lake) on Marlette Creek, built in 1873 to provide water for fluming lumber from Spooner Summit to Carson City. The dam was built higher in 1876 and used to divert water by flume and siphon to Virginia City, until the flume was abandoned prior to 1963. The dam was raised to its present elevation in 1959. Present capacity, 11,780 acre-ft at spillway; elevation, 7,838.0 ft. Figures given herein represent total contents. Stored water is used for spawning trout and in dry years is pumped over the mountain to the Hobart system for use outside the basin in Virginia City and Carson City. Lake freezes over in winter.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded contents, 12,320 acre-ft, Feb. 19, 1986, elevation, 7,839.23 ft; minimum, 10,870 acre-ft, Nov. 07, 2002, elevation, 7,835.57 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,180 acre-ft, June 22, July 1, gage height, 38.92 ft; minimum contents, 11,080 acre-ft, Oct. 2, gage height, 36.14 ft.

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

Elevation	Contents	Elevation	Contents
7,835	10,650	7,838	11,790
7,836	11,030	7,839	12,220
7,837	11,410	7,840	12,650

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11,090	11,280	11,490	11,960	11,900	11,960	11,960	11,930	12,030	12,140	11,940	11,870
2	11,090	11,280	11,500	11,950	11,900	12,000	11,950	11,930	12,030	12,130	11,940	11,870
3	11,110	11,280	11,510	11,950	11,900	12,000	11,940	11,940	12,030	12,130	11,940	11,870
4	11,160	11,280	11,510	11,940	11,890	11,980	11,940	11,940	12,030	12,120	11,940	11,870
5	11,190	11,280	11,520	11,940	11,890	11,970	11,940	11,950	12,080	12,110	11,930	11,870
6	11,210	11,280	11,530	11,940	11,890	12,010	11,930	11,960	12,110	12,110	11,930	11,860
7	11,220	11,310	11,530	11,930	11,880	12,000	11,940	11,970	12,100	12,100	11,930	11,860
8	11,220	11,310	11,510	11,930	11,890	12,000	11,940	11,980	12,100	12,100	11,920	11,860
9	11,220	11,280	11,540	11,920	11,880	11,970	11,940	11,990	12,100	12,090	11,920	11,860
10	11,220	11,310	11,540	11,920	11,880	11,970	11,930	11,990	12,110	12,080	11,910	11,860
11	11,210	11,320	11,550	11,930	11,880	11,970	11,930	11,990	12,110	12,060	11,910	11,860
12	11,210	11,320	11,550	11,920	11,880	11,960	11,920	12,000	12,120	12,060	11,910	11,860
13	11,210	11,320	11,550	11,920	11,880	11,970	11,910	12,010	12,130	12,050	11,910	11,860
14	11,210	11,320	11,630	11,920	11,880	11,990	11,910	12,020	12,130	12,040	11,900	11,860
15	11,210	11,320	11,630	11,910	11,880	12,020	11,910	12,030	12,140	12,030	11,900	11,850
16	11,200	11,320	11,630	11,910	11,930	12,050	11,910	12,040	12,150	12,020	11,900	11,840
17	11,220	11,320	11,670	11,910	12,000	12,020	11,900	12,050	12,150	12,020	11,900	11,830
18	11,220	11,320	11,730	11,910	12,030	12,030	11,920	12,050	12,150	12,000	11,900	11,830
19	11,220	11,330	11,810	11,910	12,020	12,020	11,920	12,040	12,150	12,000	11,890	11,820
20	11,220	11,370	11,830	11,910	12,000	12,050	11,920	12,030	12,150	12,000	11,890	11,820
21	11,220	11,410	11,830	11,900	12,000	12,040	11,940	12,030	12,150	11,990	11,900	11,820
22	11,220	11,400	11,830	11,900	11,980	12,020	11,940	12,030	12,150	11,980	11,890	11,820
23	11,200	11,440	11,840	11,900	11,970	12,030	11,950	12,030	12,150	11,980	11,890	11,820
24	11,300	11,440	11,840	11,900	11,960	12,050	11,940	12,030	12,150	11,970	11,890	11,820
25	11,280	11,440	11,860	11,900	12,020	12,030	11,940	12,050	12,150	11,970	11,890	11,820
26	11,270	11,440	11,860	11,900	12,000	12,030	11,940	12,040	12,150	11,970	11,890	11,820
27	11,270	11,480	11,860	11,900	11,990	12,000	11,930	12,040	12,150	11,960	11,890	11,820
28	11,280	11,480	11,910	11,900	11,980	11,990	11,930	12,060	12,140	11,960	11,890	11,820
29	11,270	11,480	11,960	11,900	---	11,970	11,930	12,050	12,160	11,950	11,890	11,820
30	11,280	11,490	11,960	11,900	---	11,970	11,930	12,040	12,150	11,950	11,880	11,820
31	11,280	---	11,950	11,900	---	11,960	---	12,030	---	11,950	11,880	---
Max	11,300	11,490	11,960	11,960	12,030	12,050	11,960	12,060	12,160	12,140	11,940	11,870
Min	11,090	11,280	11,490	11,900	11,880	11,960	11,900	11,930	12,030	11,950	11,880	11,820
Elevation, in feet above NGVD 1929 (project datum), at end of month.	7,838.00	7,837.99	7,838.24	7,838.41	7,838.33	7,838.41	7,838.33	7,838.58	7,838.85	7,838.38	7,838.22	7,838.08
Change in contents, in acre-feet.	-30	0	+100	+70	-30	-20	-30	+100	+120	-200	-70	-60

	Calendar Year 2010	Water Year 2011
Max	12,050	12,160
Min	11,090	11,090
Change in contents, in acre-feet.	-60	+730

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