

Date (CE)	Depth (m)	Source	Comment
Before ca. 1750	ca. 15–24	This report	Depth based on high-elevation lake sediment
1864	Lake present	Granger (1979)	Identified as Carelton Lake on military maps, probably similar to 1885
1878	Very low	Stein (2005)	NW-shore area was named Pleasant Valley for pasturage
1885	5.6	USGS Verde topographic map 1:250,000, surveyed 1885 published	Lake map symbol measures 4.7 by 2.8 miles, presently 4.3 by 2.8 at 5.6 m depth
1890s	Dry frequently	Gatewood (1963)	Dry several times during drought ending 1904
1905-46	Wet	ibid.	Lake contained water, depths not given
1913	1	North. Ariz. Univ. Cline Library Special Collections	Water level low, tennis court on upper, dry lake bed, declining after 1941
1916	4	Arizona Historical Society	U.S. Forest Service Ranger station, depth estimated from water in photograph
1920s	5.4	North. Ariz. Univ. Cline Library Special Collections	Island surrounded by water
ibid.	ibid.	ibid.	Row boat approaching landing north side of island
ibid.	ibid.	ibid.	Row boat approaching south side of island
1920	7.9	North. Ariz. Univ. Cline Library Special Collections	Lake flooded building north end of lake driftwood banked against 1919 road north of building
1925	5.2	ibid.; this report	Waves breaking on bouldery shoreline, depth from water line
1927	5.4	Babbitt and DeGraff (2009); Anon. (2010)	Island surrounded by water, perhaps last time since 1927
1934	4.9	Madsen (1935)	Depth measured in 1934, lake is permanent but low 1933-34 despite recent drought
1941	5	This report	Wall-display photograph in Mormon Lake Lodge shows large lake
1947	Dry	Gatewood et al. (1964); Smith and Bender (1973)	Possibly first time dry since early 1900s
1948	Dry	Gatewood et al. (1964); this report	Aerial photograph index shows west-half dry
1951	Dry	Gatewood et al. (1964)	
1952	1.8	Smith and Bender (1973)	Few aquatic plants noted
4/15/1953	1.1	USGS Earth Explorer	
5/3/1953	0.8	ibid.	
3/13/1954	0.8	ibid.	
1956	Dry	Gatewood (1964); Smith and Bender (1973)	
1957	Dry	see below	Inferred dry in 1957 from 1958 comment below
1958	Low	Flagstaff Public Library Archives AR 628.1 F574	Relief from persistent dry lake bed of "past years [that] was troublesome dust source"
9/4/1959	Dry	US Forest Service Aerial Photograph EGE-7-12, -14; this report	Dry to very low
5/28/1960	<1	US Forest Service Aerial Photograph EGE-37-131; this report	Low
10/1965	< 0.4	USGS Mormon Lake 7.5' topographic map; this report	Elevation of lake given as 7110 ft; symbol suggests shallow depth
10/7/1967	1	US Forest Service Aerial Photograph EPZ 32-61; this report	Lake level apparently very low in October 7 dry by January 1968
Apr-68	1.8	C. Benedict AZGF (2017, pers. commun.)	Lake dry in January but rose in April from spring snowmelt
1972	Dry	Smith and Bender (1973)	
8/22/1974	0.9	USGS Aerial Photograph GS-VDON 1-65 Earth Explorer	Lake level low water visible in photograph
1975	1.8	C. Benedict AZGF (2017, pers. commun.)	Lake dry in January but rose 6 ft in April from spring snowmelt
1977	Dry	This report	Dry in January 1978 implies dry in 1977
1978	1.8	C. Benedict AZGF (2017, pers. commun.) conflicts see below	Lake dry in January but rose in April from spring snowmelt
3/15/1978	3.2	USGS Earth Explorer	Snow covered landscape lake not frozen
10/12-13/1978	1.4	US Forest Service 378-54, -127, 278-181; this report	Base low rocky shoreline at Bass Point--Dropped 180 mm
6/11/1979	2.2	USGS Aerial Photograph 0893 Earth Explorer	
10/1/1980	2.8	ibid.	
1980	"--"	FEMA (2010)	". . . lake above normal level . . ." normal undefined
6/5/1981	2.1	USGS Aerial Photograph Earth Explorer	
"1982"	1.6	ibid. month and day not given	Lake ice covered eastern 2/3
5/28/1984	2.7	US Forest Service Aerial Photograph 484-152, -154; this report	Lake level estimated from aerial photograph and survey
8/7/1990	0.8	US Forest Service Aerial Photograph 490-47, -52; this report	ibid.
10/8/1992	0.9	USGS Aerial Photograph NAPP 5244-81 Earth Explorer	Water level low
10/17/1997	0.5	USGS Aerial Photograph NAPP 9847-23 Earth Explorer	Consistent Google Earth Image
7/14/1998	1.2	US Forest Service Aerial Photograph 498-187; this report	Lake level estimated from aerial photograph and survey
10/3/2003	Dry	USGS Aerial Photograph Earth Explorer	Consistent with Google Earth
10/13/2003	Dry	Google Earth image; this report	Lake level estimated from image
4/30/2005	1.27	Don Bills (pers. commun.); this report	Lake level estimated from photograph and survey
6/1/2005	1	USGS Aerial Photograph Earth Explorer	ibid.

9/30/2006	Dry	US Forest Service Aerial Photograph 506-33; this report	Lake level estimated from aerial photograph
6/4/2007	Dry	USGS Aerial Photograph Earth Explorer	Dry consistent with Google Earth
6/20/2007	Dry	Google Earth image; this report	Lake level estimated from image, mud flat exposed
7/13/2010	0.9	USGS Aerial Photograph Earth Explorer	
9/9/2010	0.8	Google Earth image; this report	Lake level estimated from image
6/20/2011	0.4	ibid.	ibid.
5/30/2012	0.4	ibid.	ibid.
4/21/2013	0.4	ibid.	ibid.
4/2/2015	0.4	Google Earth image; this report	Lake level estimated from image using track elk tracks/lowest water
9/16/2016	Dry	This report	Barren mud flat exposed and dry at NE corner of lake basin
2/25/2017	1.24	ibid	Lake area 20 km ² , 22 cm decline in 65 days
4/19/17	1.02	ibid.	
5/15/2018	Dry	ibid.	