



Daniel Smiley Research Center
MOHONK PRESERVE
Mohonk Lake, New Paltz, NY 12561

Natural Science Note No. 720-16

From records of the Mohonk Lake Cooperative Weather Station
Established January, 1896

Weather Summary for December, 2016

	120-year average 1896-2015	Actual This Year	Deviation from Average
Temperature (°F)	29.0	31.2	+2.2
Precipitation (in.)	3.94	4.38	+0.44
Snow (in.)	11.56	17.8	+6.24

Highest temperature: 49°F on the 1st, 18th, & 27th

Lowest temperature: 1°F on the 16th

Fog: 3 days (7th, 24th, & 26th)

Ice Pellets: 1 day (2nd)

Glaze: 1 day (26th)

Hail: 1 day (24th)

Haze: 1 day (22nd)

Misting: 1 day (24th)

Lake Ice: 100% on the 16th through the 26th, 98% on the 27th, and back to 100% on the 28th through the remainder of the month

Snow on Ground: 2 inches on the 5th, 1 inch on the 6th, 2 inches on the 7th, 1 inch on the 8th – 9th, 0 inches on the 10th, a Trace on the 11th, 4 inches on the 12th – 13th, 5 inches on the 14th, 4 inches on the 15th and 16th, 7 inches on the 17th, 6 inches on the 18th, 5 inches on the 19th – 23rd, 4 inches on the 24th – 26th, 3 inches on the 27th and 28th, 8 inches on the 29th, 7 inches on the 30th, and 6 inches on the 31st

Precipitation pH: 4.81 (n= 16)

Summary

Temperature for November was 2.2°F above the 120-year average. Precipitation was 4.38 in., 0.44 inches above normal. Monthly snowfall was 17.8 in., 6.24 inches above normal. There were 10 recorded days of measurable precipitation (Average is 10.7).

Mohonk Lake froze over on the 16th, 16 days earlier than the 85-year average we have on record.

Christy Belardo, Citizen Science Education Coordinator
Elizabeth Long, Director of Conservation Science