



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

Natural Science Note No. 679-13

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

Weather Summary for December, 2013

	117-year average 1896-2012	Actual This Year	Deviation from Average
Temperature (°F)	28.8	30.0	+1.2
Precipitation (in.)	3.93	4.59	+0.66
Snow (in.)	11.6	18.4	+6.8

Highest temperature: 60°F on the 22nd

Lowest temperature: 7°F on the 17th

Fog: 9 days (3rd – 6th, 9th, 14th, 17th, 23rd, 29th)

Misting: 1 day (9th)

Glaze: 1 day (9th)

Ice Pellets: 2 days (9th, 15th)

Haze: 12 days (1st – 4th, 8th, 13th, 15th, 20th, 21st, 24th, 27th)

Iridescent Cloud: 1 day (24th)

Precipitation pH: 4.93 (n=9)

Lake Ice: 1% on the 9th, 0% on the 10th, 12% on the 11th, 20% on the 12th, 55% on the 13th, 99% on 14th, 100% from the 15th to the 22nd, 30% on 23rd, 20% on the 24th, 60% on the 25th, 85% on the 26th and 27th, 80% from the 28th to the 30th, 100% on the 31st.

Snow On Ground: 1 inch from the 7th to the 9th, 3 inches on the 10th, 2 inches from the 11th to the 13th, 4 inches on the 14th, 10 inches on the 15th, 9 inches on the 16th, 13 inches on the 17th and 18th, 12 inches on the 19th, 8 inches on the 20th, 5 inches on the 21st, 0 inches on the 22nd and 23rd, a trace on the 24th, 1 inch from the 25th to the 27th, 0 inches from the 28th to the 30th, a trace on the 31st.

Summary

Temperature for the month was 1.2°F above average. Precipitation was 0.66 in. above average. Snowfall was 6.8 in. above average. 16 days of measurable precipitation were recorded (average is 11). Two daily temperature records were set on the 22nd. A maximum of 60°F broke the previous maximum temperature record of 55°F set in 1990 and a minimum of 46°F broke the previous high minimum temperature record of 43°F set in 2011. No daily precipitation records were set. Mohonk Lake froze over on the 31st, 1 day earlier than average.

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