



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

Natural Science Note No. 683-14

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

Weather Summary for February, 2014

	118-year average 1896-2013	Actual This Year	Deviation from Average
Temperature (°F)	26.1	24.4	-1.7
Precipitation (in.)	3.30	4.81	+1.51
Snow (in.)	14.9	38.7	+23.8

Highest temperature: 49 °F on the 22nd

Lowest temperature: -1 °F on the 28th

Fog: 6 days (2nd, 3rd, 5th, 13th, 19th, 21st)

Misting: 1 day (21st)

Glaze: 2 days (5th, 13th)

Ice Pellets: 2 days (13th, 19th)

Hail: 2 days (1st, 20th)

Haze: 16 days (1st, 2nd, 4th, 8th – 12th, 17th – 20th, 24th, 26th – 28th)

Rainbow: 1 day (21st)

Precipitation pH: 5.06 (n=9)

Lake Ice: 100% 1st – 31st. 20 inches thick on the 28th.

Snow On Ground: 1 inch on the 1st and 2nd, 4 inches from the 3rd–4th, 13 inches from the 5th – 6th, 12 inches from the 7th – 12th, 18 inches on the 13th, 28 inches on the 14th, 29 inches on the 15th, 28 inches on the 16th, 27 inches on the 17th and 18th, 29 inches on the 19th, 26 inches on the 20th, 23 inches on the 21st, 20 inches on the 22nd, 19 inches on the 23rd, and 18 inches from the 24th – 28th.

Summary

Temperature for the month was 1.7 °F below average. Precipitation was 1.51 inches above average. Snowfall was 23.8 inches above the 118-year average, ranking this the **2nd snowiest February on record** (see table). 14 days of measurable precipitation were recorded (average is 9 days). A daily precipitation record was set on the 5th, 1.24 inches, breaking the previous record of 1.18 inches set in 1997. Mohonk Lake remained frozen throughout the month.

Hallie E. Schwab, Citizen Science Coordinator

John E. Thompson, Director of Conservation Science

MOHONK LAKE COOPERATIVE WEATHER STATION

Monthly Snowfall: February

Year	Snowfall (Inches)	Rank
2010	52.8	1
2014	38.7	2
1972	35.9	3
1962	29.5	4
1920	29.1	5
1931	28.0	6
1940	27.3	7
1902	27.0	8
1934	27.0	9
1964	27.0	10

Winter Summary (December-February)

	Months	118-year Average (1896-2013)	Actual this Year	Deviation from Average
Temperature (°F)	Feb	26.1	24.4	-1.7
	Dec-Feb	26.6	25.3	-1.3
Precipitation (in.)	Feb	3.30	4.81	+1.51
	Dec-Feb	10.70	13.37	+2.67
Snowfall (in.)	Feb	14.9	38.7	+23.8
	Dec-Feb	41.6	68.3	+26.7