



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

Natural Science Note No. 622-10

**Weather: January 2010**

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

	<b>114-year average 1896-2009</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	24.8	25.9	+1.1
<b>Precipitation (in.)</b>	3.49	2.70	-0.79
<b>Snow (in.)</b>	15.2	10.1	-5.1

Highest temperature: 53°F on the 25<sup>th</sup>

Lowest temperature: 0°F on the 30<sup>th</sup>

Fog: 8 days (2<sup>nd</sup>, 3<sup>rd</sup>, 8<sup>th</sup>, 17<sup>th</sup>, 19<sup>th</sup>, 24<sup>th</sup>, 25<sup>th</sup>, 28<sup>th</sup>)

Ice Pellets: 1 day (17<sup>th</sup>)

Glaze: 1 day (24<sup>th</sup>)

Thunder:

Damaging Wind:

Rime: 1 day (8<sup>th</sup>)

Sun Pillar: 1 day (12<sup>th</sup>)

Haze: 13 days (1<sup>st</sup>, 12<sup>th</sup>-17<sup>th</sup>, 22<sup>nd</sup>-24<sup>th</sup>, 27<sup>th</sup>, 30<sup>th</sup>, 31<sup>st</sup>)

Lake Ice: 50% on the 1<sup>st</sup>, increased to 95% on the second, decreased to 90% on the 3<sup>rd</sup>, increased to 95% on the 5<sup>th</sup>, **Ice Over on the 8<sup>th</sup>, 7 days later than the 70 year average.** Thickness was 7 ½-11 in. on the 21<sup>st</sup> and 8 in. on the 27<sup>th</sup>.

Snow on Ground: 5 in. on the 1<sup>st</sup>, increased to 6 in. on the 2<sup>nd</sup>, decreased to 5 in. on the 4<sup>th</sup>, increased to 7 in. on the 8<sup>th</sup>, decreased to 6 in. on the 9<sup>th</sup>, increased to 7 in. on the 12<sup>th</sup>, decreased to 6 in. on the 13<sup>th</sup>, increased to 7 in. on the 18<sup>th</sup>, decreased to Trace on the 26<sup>th</sup>, increased to 3 in. on the 28<sup>th</sup>, decreased to 1 in. on the 30<sup>th</sup>.

Precipitation pH: 4.84 (n=8)

**Summary**

Temperature for the month was 1.1°F above the 114 year average. Precipitation for the month was 2.70 in., 23% below normal. Monthly snowfall was 10.1 in., 33% below normal.

Paul C. Huth, Director of Research  
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# MOHONK LAKE COOPERATIVE WEATHER STATION

## Summary for January 2010

Compiled by the MOHONK PRESERVE, Mohonk Lake, New Paltz, NY 12561

	Months	114-year Average (1896-2009)	Actual this Year	Deviation from Average
<b>Temperature (°F)</b>				
<b>Month</b>		24.8	25.9	+1.1
<b>Season</b>	Nov-Jan	31.3	33.4	+2.3
<b>Precipitation (in.)</b>				
<b>Month</b>		3.49	2.70	-0.79
<b>Season</b>	Nov-Jan	11.18	10.51	-0.67
<b>Snow</b>				
<b>Month</b>		15.2	10.1	-5.1
<b>Season</b>	Nov-Jan	30.1	27.4	-2.7

Highest temperature: 53°F on the 25<sup>th</sup>

Lowest temperature: 0°F on the 30<sup>th</sup>

This month last year:

Temperature 20.5°F

Precipitation 3.46 in.

Snow 19.1 in.