



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

**Natural Science Note No. 695-14**

**Annual Weather Summary for 2014**

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

**Part I: Summary of 119<sup>th</sup> Year: 2014**

**Table 1.** Annual Deviation from 118-Year Average.

	<b>118-year average 1896-2013</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	48.5	49.0	+0.5
<b>Precipitation (in.)</b>	48.66	49.67	+1.01
<b>Snow (in.)</b>	59.8	64.4	+4.6

**Table 2.** Monthly Deviation from 118-Year Average

	<b>Temperature (°F)</b>			<b>Precipitation (in.)</b>			<b>Snow (in.)</b>		
	1896-2013	2014	Deviation	1896-2013	2014	Deviation	1896-2013	2014	Deviation
January	24.9	21.5	-3.4	3.47	3.97	+0.50	15.1	11.2	-3.9
February	26.1	24.4	-1.7	3.30	4.81	+1.51	14.9	38.7	+23.8
March	35.0	30.6	-4.4	4.05	3.49	-0.56	11.1	0.1	-11.0
April	46.9	48.8	+1.9	4.11	4.68	+0.57	2.9	0.3	-2.6
May	58.1	60.4	+2.3	4.17	4.61	+0.44	0.1	0	-0.1
June	66.3	68.9	+2.6	4.14	5.66	+1.52	0.0	0.0	0.0
July	70.9	71.0	+0.1	4.50	7.38	+2.88	0.0	0.0	0.0
August	69.0	69.4	+0.4	4.47	0.67	-3.80	0.0	0.0	0.0
September	62.2	64.5	+2.3	4.38	1.17	-3.21	0.0	0.0	0.0
October	51.8	54.6	+2.8	3.96	5.58	+1.62	0.3	0.0	-0.3
November	40.4	39.0	-1.4	3.76	3.87	+0.11	3.2	12.8	+9.6
December	28.8	33.6	+4.8	3.93	3.78	-0.15	11.6	1.3	-10.3
Year	48.4	48.9	+0.5	4.02	4.14	+0.12	4.9	5.4	+0.4

## PART II: Extremes for 2013

### Temperature

Highest Maximum	87°F	1, 23 July, 27 August, 2 September
Lowest Minimum	-4°F	22 January

### Precipitation

Greatest Rainfall, 24 hrs.	2.42 in.	26 June
Greatest Snowfall, 24 hrs.	11.4 in.	14 February
Greatest Snow on Ground	29 in.	15 and 19 February
Average Annual pH = 5.16		(n=93)

### Mohonk Lake

Ice Out	12 April	<b>Average</b>	6 April
Ice Over	31 December	<b>Average</b>	27 December

Height of Lake: Highest	-7.25 in.	5 April
Lowest	-29.25 in.	14 November

### Frost

Last Frost: 18 April	(28°F)	<b>Average</b>	24 April
First Frost: 8 November	(30°F)	<b>Average</b>	22 October
Length of Growing Season: 204 days		<b>Average</b>	180 days

### Highlights

Temperature for the year was 0.5°F above average. Precipitation was 1.01 inches above average and snowfall was inches 4.6 above average.

2014 was marked by a number of notable monthly extremes. August ranked as the driest on record followed by the 10<sup>th</sup> driest September. February ranked as the 2<sup>nd</sup> snowiest and November the 8<sup>th</sup> snowiest on record. 2014 also had two months that ranked among the least snowy on record, March (10<sup>th</sup>), and December (9<sup>th</sup>).

*Hallie E. Schwab, Citizen Science Coordinator*

*James C. Byam, Giuseppe Traverso Citizen Naturalist Intern*

*John E. Thompson, Director of Conservation Science*