



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

**Natural Science Note No. 680-13**

**Annual Weather Summary for 2013**

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

**Part I: Summary of 118<sup>th</sup> Year: 2013**

**Table 1.** Annual Deviation from 117-Year Average.

	<b>117-year average 1896-2012</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	48.5	49.9	+1.4
<b>Precipitation (in.)</b>	48.22	51.33	+3.11
<b>Snow (in.)</b>	59.3	57.2	-2.1

**Table 2.** Monthly Deviation from 117-Year Average

	<b>Temperature (°F)</b>			<b>Precipitation (in.)</b>			<b>Snow (in.)</b>		
	1896-2012	2013	Deviation	1896-2012	2013	Deviation	1896-2012	2013	Deviation
January	24.8	28.5	+3.7	3.48	2.72	-0.76	15.2	5.2	-10.0
February	26.1	27.5	+1.4	3.30	2.84	-0.46	14.9	16.1	+1.2
March	35.0	33.9	-1.1	4.06	3.39	-0.67	11.1	16.2	+5.1
April	46.9	48.2	+1.3	4.12	2.65	-1.47	2.9	T	-2.9
May	58.1	60.9	+2.8	4.18	2.77	-1.41	0.1	T	-0.1
June	66.3	68.7	+2.4	4.07	12.09	+8.02	0.0	0.0	0.0
July	70.9	73.7	+2.8	4.48	7.10	+2.62	0.0	0.0	0.0
August	69.0	69.6	+0.6	4.47	4.55	+0.08	0.0	0.0	0.0
September	62.2	62.3	+0.1	4.40	1.82	-2.58	0.0	0.0	0.0
October	51.8	54.8	+3.0	3.96	3.00	-0.96	0.3	0.0	-0.3
November	40.4	38.6	-1.8	3.76	3.81	+0.05	3.2	1.3	-1.9
December	28.8	30.0	+1.2	3.93	4.59	+0.66	11.6	18.4	+6.8
Year	48.5	49.9	+1.4	48.22	51.33	+3.11	59.3	57.2	-2.1

## PART II: Extremes for 2013

### Temperature

Highest Maximum	93°F	18, 19 July
Lowest Minimum	-2°F	3 January

### Precipitation

Greatest Rainfall, 24 hrs.	2.79 in.	1 July
Greatest Snowfall, 24 hrs.	9.5 in.	9 February
Greatest Snow on Ground	13 in.	8 March and 17, 18 December
Average Annual pH = 5.00		(n=91)

### Mohonk Lake

Ice Out	11 April	<b>Average</b>	7 April
Ice Over	3 January 31 December	<b>Average</b>	1 January
Height of Lake: Highest	-3.75 in.		1 July
Lowest	-31.75 in.		24 – 26 November

### Frost

Last Frost: 23 April	(30°F)	<b>Average</b>	25 April
First Frost: 29 October	(32°F)	<b>Average</b>	26 October
Length of Growing Season: 190 days		<b>Average</b>	180 days

### Highlights

Temperature for the year was 1.4°F above average. Precipitation was 3.11 inches above average and snowfall was 2.1 inches below average.

June ranked as the 3<sup>rd</sup> wettest on record.

10 daily temperature records (highest minimum, highest maximum, lowest minimum, lowest maximum) and 2 daily precipitation records were set or tied. (See January, May, June, July, and December summaries for details).

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