



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

**Natural Science Note No. 745 – 2018**  
 From records of the Mohonk Lake Cooperative Weather Station  
 Established January, 1896

**Weather Summary for December, 2018**

	<b>122-year average 1896-2018</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	29.0	33.2	+4.2
<b>Precipitation (in.)</b>	3.93	5.25	+1.32
<b>Snow (in.)</b>	11.59	0.20	-11.39

Highest temperature: 57°F on the 21<sup>st</sup>

Lowest temperature: 16°F on the 5<sup>th</sup> and 8<sup>th</sup>

Fog: 4 days (14<sup>th</sup>, 16<sup>th</sup>, 21<sup>st</sup>, 28<sup>th</sup>)

Lake Ice: 5% on the 6<sup>th</sup>, 20% on the 8<sup>th</sup>-10<sup>th</sup>, 97% on the 11<sup>th</sup>, 100% on the 12<sup>th</sup>-14<sup>th</sup>, 70% on the 16<sup>th</sup>, 85% on the 17<sup>th</sup>, 95% on the 18<sup>th</sup>, 100% on the 19<sup>th</sup>, 98% on the 20<sup>th</sup>, 0% on the 23<sup>rd</sup>-31<sup>st</sup>.

Snow on Ground: Trace on the 13<sup>th</sup>, 17<sup>th</sup>, 30<sup>th</sup>

Precipitation pH: 4.43 (n= 8)

**Summary**

Temperature for December was 4.2°F above the 122-year average. Precipitation was 5.25 in., 1.32 inches above average. There were 9 recorded days of measurable precipitation (average is 10.6). Monthly snowfall was 11.9 in. below average. Lake ice began on the 12<sup>th</sup>, 11 days earlier than the 122 - year average.

Table 1. **Top 10 Least Snowy December**

<b>Year</b>	<b>Precipitation (in.)</b>	<b>Rank</b>
1898	0.00	1
1899	0.00	2
1922	0.00	3
1928	0.00	4
1943	0.00	5
1954	0.00	6
1988	0.00	7
2006	0.00	8
<b>2018</b>	<b>0.20</b>	<b>9</b>
1999	0.40	10

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