



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

**Natural Science Note No. 735 – 18**  
 From records of the Mohonk Lake Cooperative Weather Station  
 Established January, 1896

**Weather Summary for February, 2018**

	<b>122-year average 1896-2017</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	26.1	34.0	+7.9
<b>Precipitation (in.)</b>	3.31	5.01	+1.70
<b>Snow (in.)</b>	15.11	12.10	-3.01

Highest temperature: 74°F on the 21<sup>st</sup> and 22<sup>nd</sup>

Lowest temperature: 7°F on the 3<sup>rd</sup>

Fog: 8 days (16<sup>th</sup>, 20<sup>th</sup> – 25<sup>th</sup>)

Glaze: 1 day (23<sup>rd</sup>)

Rime: 1 day (22<sup>nd</sup>)

Lake Ice: 100% on the 1<sup>st</sup> – 19<sup>th</sup>, 96% on the 20<sup>th</sup> – 22<sup>nd</sup>, 99% on the 23<sup>rd</sup>, 96% on the 24<sup>th</sup> – 25<sup>th</sup>, 98% on the 26<sup>th</sup>, 95% on the 27<sup>th</sup> – 28<sup>th</sup>. 11 inches thick off the boat dock and 12 inches thick off Pine Bluff on the 6<sup>th</sup>.

Snow on Ground: T on the 1<sup>st</sup>, 1 inch on the 2<sup>nd</sup>, T on the 3<sup>rd</sup>, 1 inch on the 4<sup>th</sup>, 2 inches on the 5<sup>th</sup> – 6<sup>th</sup>, 6 inches on the 7<sup>th</sup>, 5 inches on the 8<sup>th</sup> – 9<sup>th</sup>, 4 inches on the 10<sup>th</sup>, 2 inches on the 11<sup>th</sup>, T on the 12<sup>th</sup> – 17<sup>th</sup>, 3 inches on the 18<sup>th</sup> – 19<sup>th</sup>, 0 inches on the 20<sup>th</sup> – 21<sup>st</sup>, 1 inch on the 22<sup>nd</sup> – 23<sup>rd</sup>, T on the 24<sup>th</sup> – 25<sup>th</sup>, 0 inches on the 26<sup>th</sup> – 28<sup>th</sup>.

Precipitation pH: 5.02 (n= 13)

**Summary**

Temperature for February was 7.9°F above the 122-year average, marking this the 5<sup>th</sup> warmest February on record (Table 1). Precipitation was 5.01 in., 1.7 inches above average. There were 16 recorded days of measurable precipitation (Average is 9.35). Monthly snowfall was 12.1 in., 3.01 inches below average.

# MOHONK LAKE COOPERATIVE WEATHER STATION

Table 1. **Top 10 Warmest Februaries**

<b>Year</b>	<b>Temperature (°F)</b>	<b>Rank</b>
2017	36.0	1
1925	35.0	2
2012	35.0	3
2002	34.8	4
<b>2018</b>	<b>34.0</b>	<b>5</b>
1981	33.8	6
1998	33.6	7
1954	33.3	8
1984	33.2	9
1976	32.9	10

## Weather Summary for the Winter Season (December, January, February), 2018

	<b>122-year average 1896-2017</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	26.7	28.8	+2.1
<b>Precipitation (in.)</b>	10.73	11.99	+1.26
<b>Snow (in.)</b>	41.66	34.30	-7.36

Highest Winter Temperature: 74°F on February 21<sup>st</sup> and 22<sup>nd</sup>

Lowest Winter Temperature: -4°F on December 29<sup>th</sup> and January 7<sup>th</sup>

Temperature for the 2017-2018 winter season was 2.1°F above the 121-year average. Precipitation was 11.99 in., 1.26 in. above average. The 2017-2018 winter season snowfall was 34.30 in, 7.36 inches below average.

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