



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

**Natural Science Note No. 761 – 20**  
 From records of the Mohonk Lake Cooperative Weather Station  
 Established January, 1896

**Weather Summary for February, 2020**

	<b>124-year average 1896-2019</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	26.2	33.2	+7.0
<b>Precipitation (in.)</b>	3.32	1.62	-1.7
<b>Snow (in.)</b>	15.04	3.00	-12.04

Highest temperature: 57°F on the 24<sup>th</sup>

Lowest temperature: 4°F on the 15<sup>th</sup>

Fog: 4 days (6<sup>th</sup>, 11<sup>th</sup>, 18<sup>th</sup>, 26<sup>th</sup>)

Lake Ice: Lake ice fluctuated between 100% and 98% throughout the month of February. Please see the 20-02NOAA.pdf daily weather table.

Snow on Ground: Trace from the 1<sup>st</sup>-3<sup>rd</sup>, 0 inches on the 4<sup>th</sup> and 5<sup>th</sup>, Trace on the 6<sup>th</sup>, 0 inches on the 7<sup>th</sup> and 8<sup>th</sup>, Trace on the 9<sup>th</sup>, 3 inches on the 10<sup>th</sup>, Trace from the 11<sup>th</sup>-19<sup>th</sup>, 0 inches from the 20<sup>th</sup>-28<sup>th</sup>, Trace on the 29<sup>th</sup>.

Precipitation pH: 4.89 (n= 7)

**Summary**

Temperature for February was 7.0°F above the 124-year average, marking this the 10<sup>th</sup> warmest February on record (Table 1). Precipitation was 1.62 in., 1.70 inches below average. There were 10 recorded days of measurable precipitation (Average is 9.53). Monthly snowfall was 3.00 in., 12.04 inches below average marking this the 8<sup>th</sup> least snowy February on record (Table 2).

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
2018	34	5
1981	33.8	6
1998	33.6	7
1954	33.3	8
1984	33.2	9
<b>2020</b>	<b>33.2</b>	<b>10</b>

# MOHONK LAKE COOPERATIVE WEATHER STATION

Table 2. **Top 10 Least Snowy Februaries**

Year	Snowfall (in.)	Rank
1912	0.00	1
1968	0.80	2
1941	1.50	3
2002	2.00	4
1937	2.80	5
1915	3.00	6
1959	3.00	7
<b>2020</b>	<b>3.00</b>	<b>8</b>
1987	3.30	9
1909	3.50	10

## Weather Summary for the Winter Season (December, January, February), 2020

	124-year average 1896-2019	Actual This Year	Deviation from Average
<b>Temperature</b> (°F)	26.7	32.6	+5.9
<b>Precipitation</b> (in.)	10.76	9.03	-1.73
<b>Snow</b> (in.)	41.43	21.82	-19.61

Highest Winter Temperature: 60°F on January 11<sup>th</sup>

Lowest Winter Temperature: 4°F on February 15<sup>th</sup>

Temperature for the 2019-2020 winter season was 5.9°F above the 124-year average, marking this the 7<sup>th</sup> warmest winter on record (Table 3). Precipitation was 9.03 in., 1.76 in. below average. The 2019-2020 winter season snowfall was 21.82 in, 19.61 inches below average.

Table 3. **Top 10 Warmest Winters**

Year	Temperature (F)	Rank
2001-2002	35.0	1
2015-2016	34.0	2
2011-2012	33.7	3
1931-1932	33.5	4
2016-2017	33.0	5
2017-2018	33.0	6
<b>2019-2020</b>	<b>32.6</b>	<b>7</b>
1997-1998	32.2	8
1948-1949	31.5	9
1990-1991	31.3	10

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