



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

**Natural Science Note No. 800–2023**

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

**Weather Summary for February, 2023**

	<b>127-year average 1896-2022</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature</b> (°F)	26.3	34.3	+8.0
<b>Precipitation</b> (in.)	3.33	2.40	-0.93
<b>Snow</b> (in.)	14.94	9.00	-5.94

Highest temperature: 62°F on the 15<sup>th</sup> & 16<sup>th</sup>

Lowest temperature: -7°F on the 4<sup>th</sup>

**Summary**

Temperature for February was 34.3°F, 8.0°F above the 127-year average, making this the 5<sup>th</sup> warmest February on record (Table 1). Precipitation was 2.40 in., 0.93 inches below average. Snowfall was 9.00 inches, 5.94 inches below average. There were 14 recorded days of measurable precipitation (Average is 11).

Ice-on date is the first date of the season when lake ice coverage is 100%. Mohonk Lake experienced ice-on officially on December 22, 2022, 6 days earlier than the 126-year average. However, because of the warm January temperatures, ice melted completely on January 4, 2023. The second ice-on occurred on February 2, 2023.

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>2023</b>	<b>34.3</b>	<b>5</b>
2018	34	6
1981	33.8	7
1998	33.6	8
1954	33.3	9
1984	33.2	10

# MOHONK LAKE COOPERATIVE WEATHER STATION

## Weather Summary for the Winter Season (December, January, February), 2023

	127-year average 1896-2022	Actual This Year	Deviation from Average
<b>Temperature</b> (°F)	26.8	34.1	+7.3
<b>Precipitation</b> (in.)	10.72	14.05	+3.33
<b>Snow</b> (in.)	41.07	23.03	-18.04

Highest Winter Temperature: 62°F on February 15<sup>th</sup> & 16<sup>th</sup>

Lowest Winter Temperature: -7°F on February 4<sup>th</sup>

Temperature for the 2022-2023 winter season was 7.3°F above the 127-year average, making this the 2<sup>nd</sup> warmest winter season on record (Table 2). Precipitation was 3.33 in. above average. The 2022-2023 winter season snowfall was 18.04 inches below average.

Table 2. **Top 10 Warmest Winters**

Years	Temperature (°F)	Rank
2001-2002	35.0	1
<b>2022-2023</b>	<b>34.1</b>	<b>2</b>
2015-2016	34.0	3
2011-2012	33.7	4
1931-1932	33.5	5
2016-2017	33.0	6
2017-2018	33.0	7
2019-2020	32.6	8
1997-1998	32.2	9
1948-1949	31.5	10

*Penny Adler-Colvin, Community Science Coordinator  
Julia Solomon, Director of Conservation Programs*