



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

**Natural Science Note No. 799–2023**

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

**Weather Summary for January, 2023**

	<b>127-year average 1896-2022</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature</b> (°F)	25.0	35.6	+10.6
<b>Precipitation</b> (in.)	3.47	4.82	+1.35
<b>Snow</b> (in.)	14.74	5.02	-9.72

Highest temperature: 57°F on the 4<sup>th</sup>

Lowest temperature: 20°F on the 16<sup>th</sup>

**Summary**

Temperature for January was 35.6°F, 10.6°F above the 127-year average, making this the 2<sup>nd</sup> warmest January on record (Table 1). Precipitation was 4.82 in., 1.35 inches above average. There were 14 recorded days of measurable precipitation (Average is 12.9).

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. We expect future winters to be similar to this one with intermittent ice because of the changing climate.

Table 1. **Top 10 Warmest Januaries**

<b>Year</b>	<b>Temperature (°F)</b>	<b>Rank</b>
1932	36.0	1
<b>2023</b>	<b>35.6</b>	<b>2</b>
2006	34.1	3
1913	33.9	4
1933	33.6	5
1990	33.5	6
2002	33.4	7
1950	33.1	8
2020	33.1	9
1937	32.6	10

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