



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

Natural Science Note No. 762 – 2020
 From records of the Mohonk Lake Cooperative Weather Station
 Established January, 1896

Weather Summary for March, 2020

	124-year average 1896-2019	Actual This Year	Deviation from Average
Temperature (°F)	35.0	43.0	+8.0
Precipitation (in.)	4.79	2.34	-2.45
Snow (in.)	11.06	2.00	-9.06

Highest temperature: 71°F on the 9th and 10th

Lowest temperature: 16°F on the 1st

Fog: 2 days (13th and 17th)

Lake Ice: 99% on the 1st – 2nd, 95% on the 3rd – 4th. 80% on the 5th – 7th, 75% on the 8th, 65% on the 9th, N/A on the 10th, 0% on the 11th – 12th, N/A on the 13th, 0% from the 14th – 17th, N/A from the 18th – 31st.

Snow on Ground: Trace on the 17th, 2 inches on the 24th, trace on the 25th. 0 inches for all other dates

Precipitation pH: 5.23 (n=2)**

Summary

Temperature for March was 8.0°F above the 124-year average, marking this the 6th warmest March on record (Table 1). Precipitation was 2.34 in., 2.45 inches below average. There were 9 recorded days of measurable precipitation (Average is 10.75). Monthly snowfall was 2.00 in., 9.06 inches below average. Lake ice ended on the 11th, 24 days earlier than average. Lake ice began on January 18, 2020 for a lake ice season of 53 days. **Note that pH was not recorded for the precipitation events after the 14th due to the COVID-19 shutdown. In-person data collection is limited at this time but data is still being collected by two automated weather systems.

Table 1. Top 10 Warmest Marches

Year	Temperature (°F)	Rank
2012	47.9	1
1945	45.6	2
1946	45.5	3
2016	44.0	4
1903	43.5	5
2020	43.0	6
2010	42.7	7
1921	42.5	8
2000	42.1	9
1936	41.5	10

*Natalie Feldsine, Research Collection and Citizen Science Coordinator
 Elizabeth Long, Director of Conservation Science*