



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

Natural Science Note No. 625-10

Weather: March, 2010

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

	114-year average 1896-2009	Actual This Year	Deviation from Average
Temperature (°F)	34.9	42.7	+7.8
Precipitation (in.)	4.02	8.25	+4.23
Snow (in.)	11.2	2.3	-8.9

Highest temperature: 68°F on the 20th

Lowest temperature: 18°F on the 27th

Fog: 9 days (3rd, 13th, 15th, 22nd, 23rd, 28th-31st)

Ice Pellets: 1 day (26th)

Glaze: 1 day (26th)

Thunder: 1 day (14th)

Hail: 2 days (14th, 15th)

Damaging Wind:

Misting: 2 days (23rd, 29th)

Haze: 12 days (2nd, 8th-12th, 19th, 22nd, 25th-28th)

Solar Halo: 3 days (5th, 26th, 27th [partial])

Sun Dog: 1 day (5th)

Lake Ice: 8 in. thick on the 16th, decreased to 1% off on the 19th, 5% off on the 23rd, 50% off on the 25th, 98% off on the 26th, **Ice Off on the 30th**.

Snow on Ground: 32 in. on the 1st, decreased to 21 in. on the 9th, 11 in. on the 15th and 0 in. on the 21st.

Precipitation pH: 4.99 (n=5)

Summary

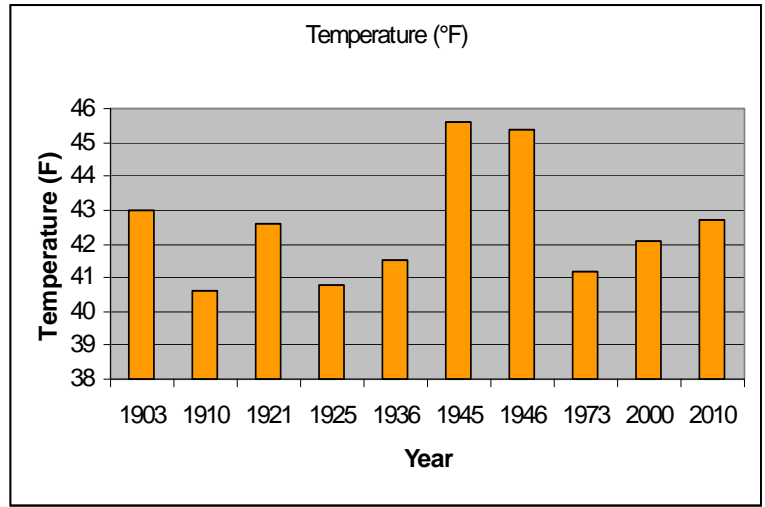
Temperature for the month was 7.8°F above the 114 year average, ranking this the **4th warmest March** on record (see table and graph on Page 2). A daily high temperature was set on the 19th at 67°F (previous high temperature for that date was 63°F, set in 1925). Precipitation for the month was 8.25 in., 105% above normal, ranking this the **7th wettest March** (see table and graph on Page 2). A daily precipitation record was set on the 23rd at 2.39 in. of rain (previous high for that date was 1.30 in. set in 1903).

Snowfall for the month was 2.3 in., 80% below normal. A daily snow on ground record was set on the 1st with 32 in. of snow on ground (previous record for the date was 29 in. set in 1978). Ice off on the 30th was 8 days earlier than the 74 year average date and 81 days of ice cover was 23 days shorter than average.

Paul C. Huth, Director of Research
 John E. Thompson, Natural Resources Specialist

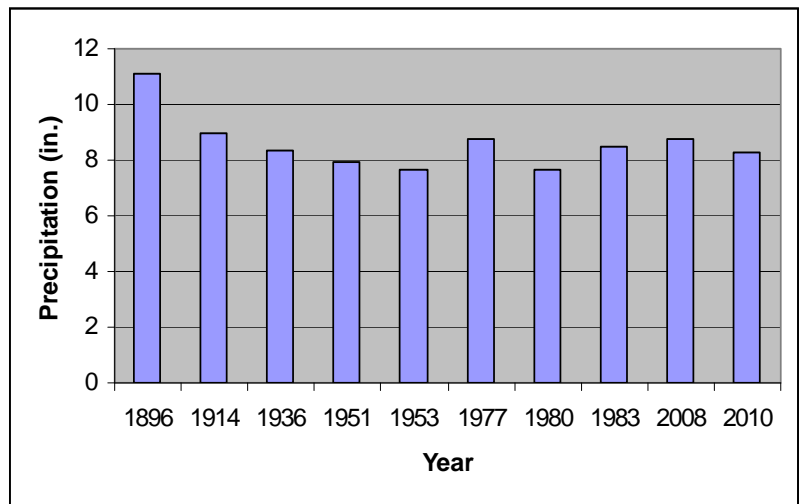
Highest Monthly Average Temperatures: March

Year	Temperature (°F)	Rank
1945	45.6	1
1946	45.4	2
1903	43.0	3
2010	42.7	4
1921	42.6	5
2000	42.1	6
1936	41.5	7
1973	41.2	8
1925	40.8	9
1910	40.6	10



Highest Monthly Precipitation: March

Year	Precipitation (in.)	Rank
1896	11.07	1
1914	8.95	2
1977	8.77	3
2008	8.77	4
1983	8.48	5
1936	8.34	6
2010	8.25	7
1951	7.90	8
1953	7.67	9
1980	7.66	10



MOHONK LAKE COOPERATIVE WEATHER STATION

Summary for March 2010

Compiled by the MOHONK PRESERVE, Mohonk Lake, New Paltz, NY 12561

	Months	114-year Average (1896-2009)	Actual this Year	Deviation from Average
Temperature (°F)		34.9	42.7	+7.8
	Month			
Season	Nov-Mar	31.0	33.0	+2.0
Precipitation (in.)		4.02	8.25	+4.23
	Month			
Season	Nov-Mar	18.47	25.14	+6.67
Snowfall (in.)		11.2	2.3	-8.9
	Month			
Season	Nov-Mar	55.9	80.2	+24.3

Highest temperature: 68°F on the 20th

Lowest temperature: 18°F on the 27th

This month last year:

Temperature 38.2°F

Precipitation 3.42 in.

Snow 2.3 in.