



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

Natural Science Note No. 629-10

Weather: July, 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)	70.7	76.7	+6.0
Precipitation (in.)	4.52	1.49	-3.03

Highest temperature: 100°F on the 6th and 7th

Lowest temperature: 52°F on the 1st

Fog: 6 days (10th, 11th, 13th-15th, 23rd)

Thunder: 7 days (11th, 12th, 19th, 21st, 23rd, 25th, 29th)

Misting:

Haze: 20 days (5th-13th, 15th-17th, 20th, 21st, 23rd-25th, 28th, 29th, 30th)

Hail: 1 day (21st)

Damaging Wind: 1 day (21st)

Precipitation pH: 4.51 (n=12)

Summary

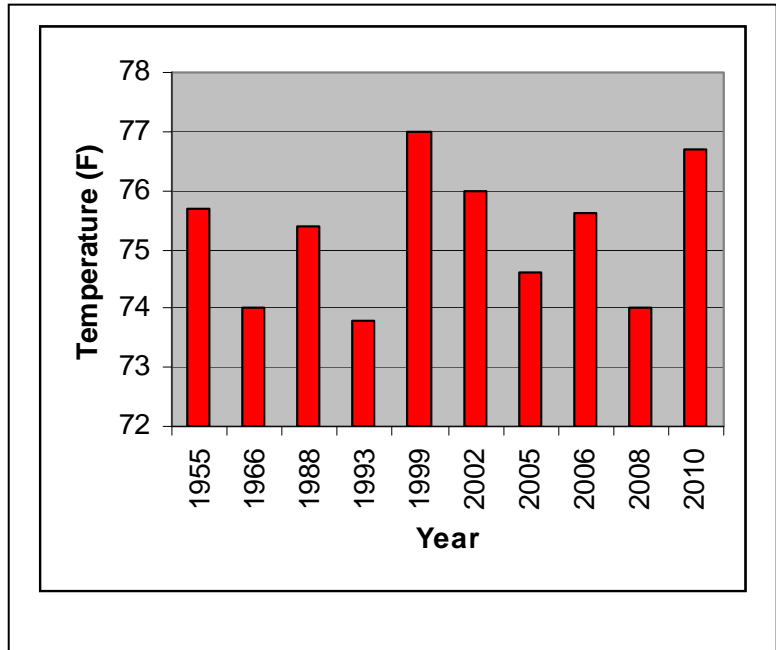
Temperature for the month was 6.0°F above the 114 year average, ranking this the **2nd warmest July** on record (see table and graphs on Page 2). Two 100°F temperatures were recorded this month, marking the first time one month has had two days at 100°F or above (the hottest day on record was 101°F on 9 August 2001). Daily records were set on three days: the 5th; 97°F (previous high 96°F in 1999); the 6th, 100°F (previous high 93°F in 1919 and 1999); and the 7th, 100°F (previous high 95°F in 1988). The maximum temperature of the 8th, 95°F, tied 1988 as the highest temperature recorded on that day. A highest minimum temperature record was set on the 7th, 74°F, previous record was 73°F, set in 1986. Precipitation for the month was 1.49 in., 67% below normal ranking this the **9th driest July** on record.

Paul C. Huth, Director of Research

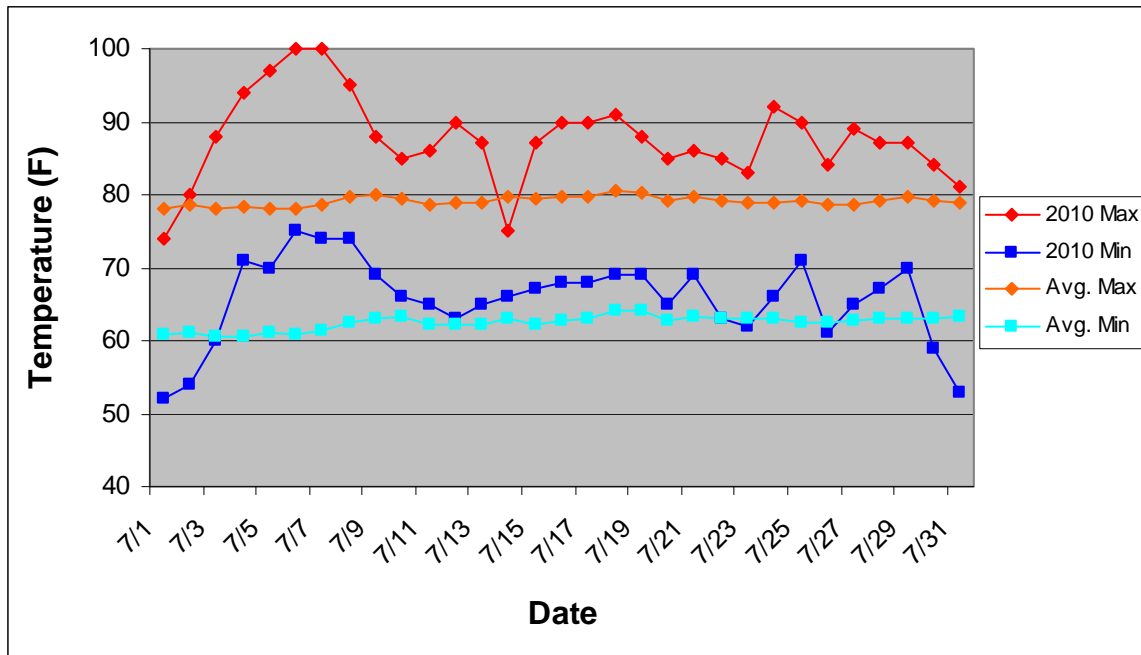
John E. Thompson, Natural Resources Specialist

Highest Monthly Temperature: July

Year	Temperature (°F)	Rank
1999	77.0	1
2010	76.7	2
2002	76.0	3
1955	75.7	4
2006	75.6	5
1988	75.4	6
2005	74.6	7
1966	74.0	8
2008	74.0	9
1993	73.8	10



July Maximum and Minimum Temperatures vs. 115 Year Average



MOHONK LAKE COOPERATIVE WEATHER STATION

Summary for July 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)				
	Month	70.7	76.7	+6.0
Year	Jan-Jul	46.7	50.9	+4.2
Precipitation (in.)				
	Month	4.52	1.49	-3.03
Year	Jan-Jul	27.67	26.37	+1.3

Highest temperature: 100°F on the 6th and 7th

Lowest temperature: 52°F on the 1st

This month last year:

Temperature 68.9°F

Precipitation 7.68 in.