



Daniel Smiley Research Center  
MOHONK PRESERVE  
Mohonk Lake, New Paltz, NY 12561  
Natural Science Note No. 645-11

**Weather: July, 2011**

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

	<b>115-year average 1896-2010</b>	<b>Actual This Year</b>	<b>Deviation from Average</b>
<b>Temperature (°F)</b>	70.8	76.0	+5.2
<b>Precipitation (in.)</b>	4.49	2.45	-2.04

Highest temperature: 99°F on the 22<sup>nd</sup> & 23<sup>rd</sup>

Lowest temperature: 58°F on the 14<sup>th</sup>

Fog: 7 days (3<sup>rd</sup>, 8<sup>th</sup>, 19<sup>th</sup>, 21<sup>st</sup>, 25<sup>th</sup>, 26<sup>th</sup>, 29<sup>th</sup>)

Misting: 1 day (25<sup>th</sup>)

Thunder: 6 days (3<sup>rd</sup>, 8<sup>th</sup>, 18<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup>, 29<sup>th</sup>)

Haze: 20 days (5<sup>th</sup>-13<sup>th</sup>, 16<sup>th</sup>-22<sup>nd</sup>, 28<sup>th</sup>-31<sup>st</sup>)

Precipitation pH: 2.45 (n=9)

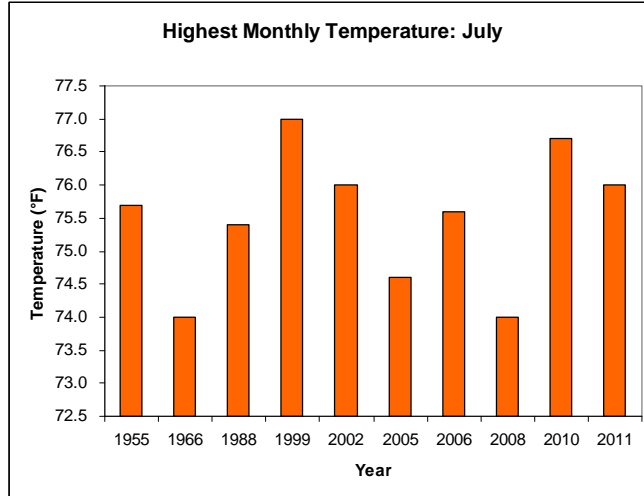
**Summary**

Temperature for the month was 5.2°F above the 115 year average, ranking this the **4<sup>th</sup> warmest July** on record (see table and graph on Page 2). Daily records were set on two days: the 22<sup>nd</sup>; 99°F (previous high 94°F in 1955); and the 23<sup>rd</sup>, 99°F (previous high 95°F in 1999). The maximum temperature of the 12<sup>th</sup>, 91°F, tied 1966 as the highest temperature recorded on that day. A highest minimum temperature record was set on two days: the 12<sup>th</sup>, 73°F (previous record was 72°F, set in 1916 and 1935); and the 22<sup>nd</sup>, 79°F (previous record was 75°F, set in 1918 and 1926). Precipitation for the month was 45% below normal. Eleven days of measureable precipitation were recorded (73 year average is 11 days).

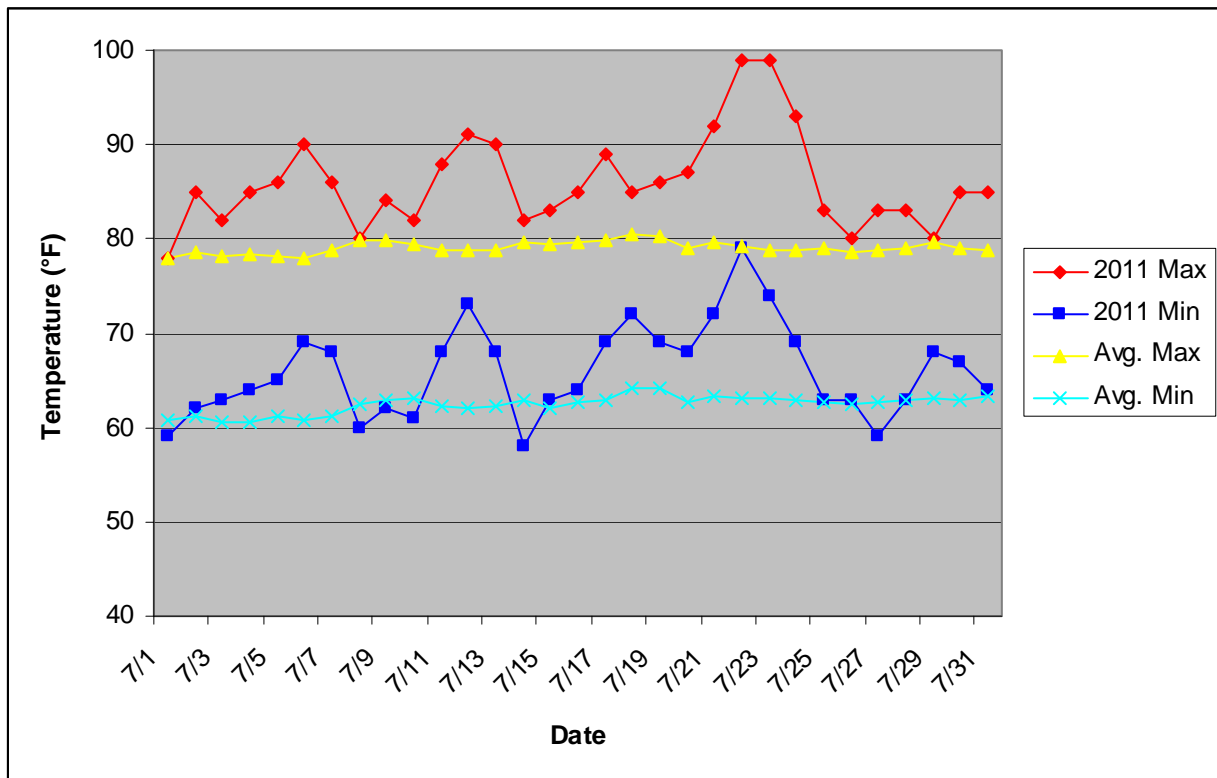
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# MOHONK LAKE COOPERATIVE WEATHER STATION

Year	Temperature (°F)	Rank
1999	77.0	1
2010	76.7	2
2002	76.0	3
<b>2011</b>	<b>76.0</b>	<b>4</b>
1955	75.7	5
2006	75.6	6
1988	75.4	7
2005	74.6	8
1966	74.0	9
2008	74.0	10



## July Maximum and Minimum Temperatures vs. 115 Year Average



## Summary for July 2011

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

	Months	115-year Average (1896-2010)	Actual this Year	Deviation from Average
<b>Temperature (°F)</b>	<b>Month</b>	70.8	76	+5.2
	<b>Season</b>	Jan-Jul 46.8	49.0	+2.2
<b>Precipitation (in.)</b>	<b>Month</b>	4.06	2.45	-2.04
	<b>Season</b>	Jan-Jul 27.65	35.72	+8.07

Highest temperature: 99°F on the 22<sup>nd</sup> & 23<sup>rd</sup>

Lowest temperature: 58°F on the 14<sup>th</sup>

This month last year:

Temperature 76.7°F (2<sup>nd</sup> warmest)

Precipitation 1.49 in. (9<sup>th</sup> driest)