



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

Natural Science Note No. 646-11

Weather: August, 2011

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

	115-year average 1896-2010	Actual This Year	Deviation from Average
Temperature (°F)	68.9	70.7	+1.8
Precipitation (in.)	4.37	16.76	+12.39

Highest temperature: 89°F on the 1st

Lowest temperature: 55°F on the 30th

Fog: 8 days (4th, 9th, 14th, 15th, 16th, 25th, 27th, 28th)

Thunder: 10 days (1st, 7th, 8th, 9th, 18th, 19th, 21st, 25th, 27th, 28th)

Misting: 5 days (24th-26th, 29th, 30th)

Haze: 15 days (1st-3rd, 5th-10th, 18th-21st, 24th, 27th)

Damaging winds: 1 day (28th)

Precipitation pH: 4.72 (n=14)

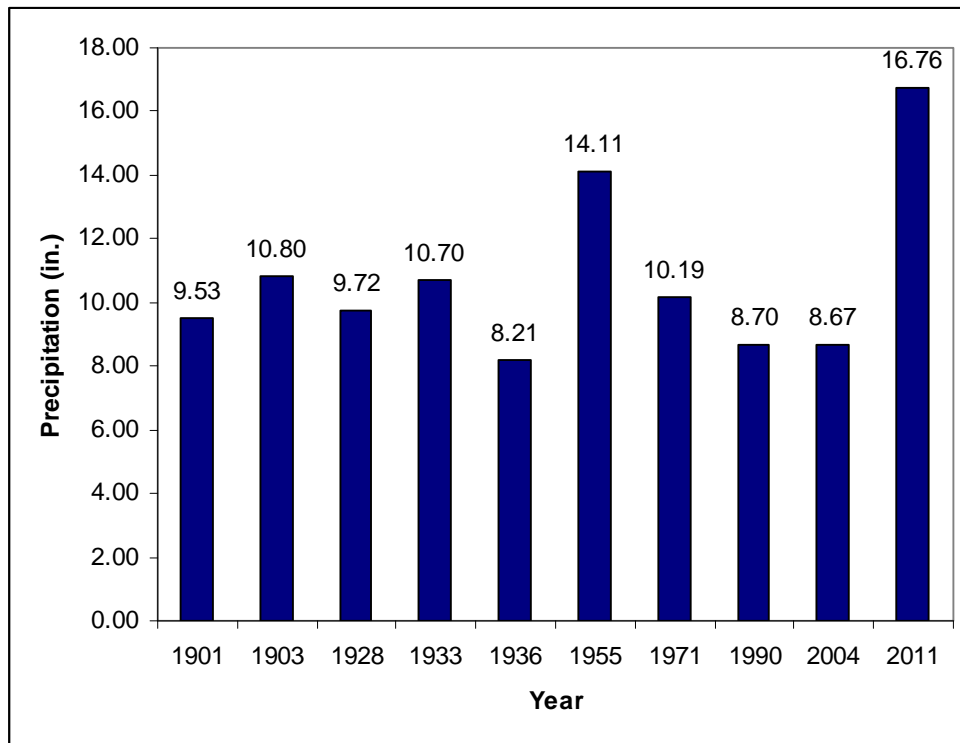
Summary

Temperature for the month was 1.8°F above the 115 year average. Since June, there have been 9 days that reached 90°F or above. Precipitation for the month was 16.76 in., 283% of normal, ranking this **the wettest August on record and the second wettest of any month recorded** (see table and graph on Page 2). Nineteen days of measureable precipitation were recorded (73 year average is 10 days). Daily precipitation records were set on two days: the 15th, 1.86 inches (previous high was 1.02 inches in 1905); and the 28th was the **rainiest day in 115 years of record on the 28th, with 8.21 inches** of precipitation (previous high was 6.50 in. on 2 March 1914, see table on Page 2).

Shanan F. Smiley, Conservation Biologist/Collections Manager
John E. Thompson, Director of Conservation Science

Highest Monthly Precipitation: August

Year	Precipitation	Rank
2011	16.76	1
1955	14.11	2
1903	10.80	3
1933	10.70	4
1971	10.19	5
1928	9.72	6
1901	9.53	7
1990	8.70	8
2004	8.67	9
1936	8.21	10



Highest Daily Precipitation

Date	Precipitation (in.)
8/27/2011	8.21
3/2/1914	6.50
8/19/1955	6.35
10/8/2005	6.16
10/16/1955	5.33
10/9/1903	5.07
7/13/1996	5.06
8/28/1971	5.04
11/4/1927	5.00
9/12/1960	4.83

MOHONK LAKE COOPERATIVE WEATHER STATION

Summary for August 2011

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

	Months	115-year Average (1896-2010)	Actual this Year	Deviation from Average
Temperature (°F)				
	Month	68.9	70.7	+1.8
Season	Jan-Aug	49.6	51.7	+2.1
Precipitation (in.)				
	Month	4.37	16.76	+12.39
Season	Jan-Aug	32.02	52.48	+20.46

Highest temperature: 89°F on the 1st

Lowest temperature: 55°F on the 30th

This month last year:

Temperature 71.3°F

Precipitation 5.30 in.