



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

Natural Science Note No. 613-09

Weather: June, 2009

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

	113-year average 1896-2008	Actual This Year	Deviation from Average
Temperature (°F)	66.2	65.5	-0.7
Precipitation (in.)	3.99	13.66	+9.67

Highest temperature: 83°F on the 25th

Lowest temperature: 41°F on the 1st

Fog: 13 days (9th-12th, 15th-21st, 26th, 30th)

Thunder: 11 days (9th, 10th, 12th-15th, 24th-27th, 30th)

Misting: 2 days (10th, 18th)

Haze: 11 days (1st, 2nd, 7th, 10th, 16th, 17th, 22nd, 25th, 26th, 28th, 30th)

Hail: 1 day (30th)

Rainbow: 1 day (15th)

Precipitation pH: 4.53 (n=21)

Summary

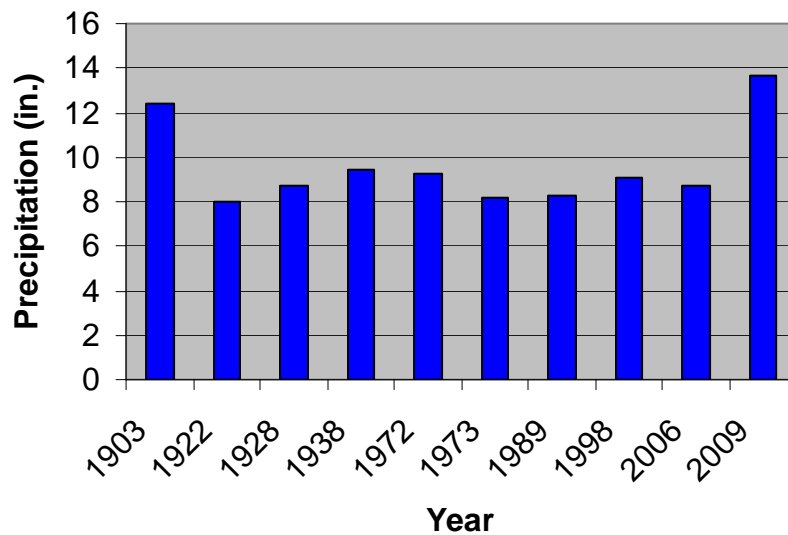
Temperature for the month was 0.7°F below the 113 year average. Precipitation for the month was 13.66 in., 242% above normal, ranking this the **wettest June on record** (previous wettest June was 1903, see table and graph on Page 2). Rainfall was recorded on 25 days. Daily rainfall records were set on two days, the 15th, 2.53 in. (previous high precipitation for the day was 2.10 in. in 1908) and the 18th, 2.51 in. (previous high was 2.16 in. in 1941). When compared to all months in the 113 year record, **June was the 6th wettest month** recorded, but the daily rainfall amounts and individual storms were not exceptional when compared to the largest events (see tables on Page 2).

Paul C. Huth, Director of Research

John E. Thompson, Natural Resources Specialist

Highest Precipitation: June

Year	Precipitation (in.)	Rank
2009	13.66	1
1903	12.44	2
1938	9.45	3
1972	9.30	4
1998	9.05	5
1928	8.73	6
2006	8.73	7
1989	8.24	8
1973	8.19	9
1922	7.99	10



Months of Highest Precipitation

Month	Year	Precipitation (in.)
October	2005	18.21
July	1897	14.71
May	1989	14.12
August	1955	14.11
October	1955	14.09
June	2009	13.66
June	1903	12.44
September	1938	11.59
April	1901	11.32
January	1979	11.24

Largest Storms

Date (end)	Precipitation	Duration	Name
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	(in.)	(days)	
10/17/1955	9.54	4	Hurricane Ione
9/21/1938	9.27	3	Unnamed Hurricane
10/9/2005	9.12	3	T.S. Tammy
8/19/1955	9.05	2	Hurricane Diane

Days of Highest Precipitation

Date	Precipitation (in.)
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
3/1/1896	4.70

MOHONK LAKE COOPERATIVE WEATHER STATION

Summary for June 2009

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

	Months	113-year Average (1896-2008)	Actual this Year	Deviation from Average
Temperature (°F)				
Month		66.2	65.5	-0.7
Season	Jan-Jun	42.8	44.2	+1.4
Precipitation (in.)				
Month		3.99	13.66	+9.67
Season	Jan-Jun	23.09	30.30	+7.21

Highest temperature: 83°F on the 25th

Lowest temperature: 41°F on the 1st

This month last year:

Temperature 70.8°F (4th warmest)

Precipitation 3.73 in.