



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

Natural Science Note No. 798-2022

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

Annual Weather Summary for 2022

Part I: Summary of 127th Year: 2022

Records Taken this Year: 365 Total to Date = 46,364

Table 1. Annual Deviation from 126-Year Average

	126-year average 1896-2021	Actual This Year	Deviation from Average
Temperature (°F)	48.5	51.8	+3.3
Precipitation (in.)	48.36	56.09	+7.73
Snow (in.)	58.48	36.51	-21.97

Table 2. Monthly Deviation from 126-Year Average

	Temperature (°F)			Precipitation (in.)			Snow (in.)		
	1896- 2021	2022	Deviation	1896- 2021	2022	Deviation	1896- 2021	2022	Deviation
January	25.0	23.4	-1.6	3.48	2.90	-0.58	14.73	15.50	+0.77
February	26.3	30.7	+4.4	3.32	5.10	+1.78	15.02	5.00	-10.02
March	35.1	40.2	+5.1	3.98	2.90	-1.08	10.91	6.00	-4.91
April	47.1	49.6	+2.5	4.09	9.60	+5.51	2.84	T	-2.83
May	58.3	62.9	+4.6	4.18	3.30	-0.88	0.14	0.00	-0.14
June	66.4	68.1	+1.7	4.13	3.80	-0.33	0.0	0.00	0.0
July	71.1	75.4	+4.3	4.55	2.00	-2.55	0.0	0.00	0.0
August	69.2	75.7	+6.5	4.45	3.58	-0.87	0.0	0.00	0.0
September	62.4	64.6	+2.2	4.41	6.44	+2.03	0.0	0.00	0.0
October	52.0	53.4	+1.4	4.04	4.94	+0.90	0.27	0.00	-0.27
November	40.5	45.8	+5.3	3.78	4.70	+0.92	3.27	1.00	-2.27
December	29.1	32.3	+3.2	3.98	6.83	+2.85	11.38	9.01	-2.37
Year	48.6	51.8	+3.2	48.42	56.09	+7.67	58.48	36.51	-21.97



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Part II: Extremes for 2022

Temperature

Highest Maximum	95°F	August 4
Lowest Maximum	19°F	January 16
Highest Minimum	72°F	July 20 & 21, August 5, 7, & 8
Lowest Minimum	-4°F	January 16

Precipitation

Greatest Rainfall, 24 hrs.	3.66 in.	September 6
Greatest Snowfall, 24 hrs.	9 in.	January 17
Greatest Snow on Ground	12 in.	January 29

Mohonk Lake

Ice Out	March 19	<i>17 days earlier than average</i>
Ice Over	December 22	<i>6 days earlier than average</i>
Records Taken in Year	85	<i>Lake data for 2022 were collected in collaboration with SUNY New Paltz</i>

Frost

Last Frost:	April 28	5 days later than average
First Frost:	October 29	8 days later than average
Length of Growing Season:	184 days	4 days longer than average

Highlights:

Temperature for the year was 3.3°F above average, marking this the seventh warmest year on record (**Table 3**). Precipitation was 7.73 inches above average, marking this the 23rd wettest year in our recorded history. Snowfall was 21.97 inches below average, marking this the 22nd least snowy year in our recorded history.



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2022 was also marked by notable monthly and seasonal extremes in our 126-year records:

- 3rd Wettest April
- 6th Warmest Spring
- 9th Warmest May
- 9th Warmest July
- 1st Warmest August
- 6th Warmest Summer
- 10th Warmest November

Table 3. Top 10 Warmest Years

Year	Temperature (°F)	Rank
2020	52.98	1
2012	52.53	2
2021	52.30	3
1998	52.06	4
2016	51.93	5
2006	51.88	6
2022	51.80	7
2001	51.53	8
2010	51.51	9
1999	51.48	10