

# June 2023 Northern Michigan Climate Summary

## Alpena

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
63.6°F	+0.4°F	1.57"	-1.17"

## Houghton Lake

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
63.4°F	-0.5°F	2.47"	-0.75"

## Sault Ste. Marie

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
64.0°F	+2.9°F	3.61"	+0.76"

## Gaylord

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
64.9°F	+3.6°F	3.68"	+0.52"

## Traverse City

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
65.8°F	+0.2°F	2.13"	-0.81"

# Records and Notes from June 2023

## **Sault Sainte Marie (Records 1888 - Present)**

- Record High
  - June 2nd: 89°F (broke daily record of 88°F from 1919)

## **Gaylord (Records 1951 - Present)**

- Record Highs
  - June 1st: 90°F (broke daily record of 87°F from 2014)
  - June 2nd: 90°F (broke daily record of 87°F from 2020)
- Record Daily Rainfall
  - June 25th: 2.69" (broke daily record of 0.76" from 1954)

Much of June 2023 was dictated by largely dry conditions, with drought conditions worsening through much of the month. While the usual spring greenup suppresses wildfire potential into the summer season, this year was different in that the greenup season was dictated by excruciatingly dry conditions, so much that many areas hadn't seen more than 0.10" of rain over the course of 40 days. The dryness was exasperated by a persistent airmass that featured warm days and very cool nights (a sign of limited moisture). As a matter of fact, several locations dipped into the low-to-mid 30s on June 17th! The result was several places ending near to slightly above average for the month even with several warmer than normal afternoons.

The warmest days were observed in the beginning of the month, where several places saw highs in the upper 80s to lower 90s. The heat helped fuel a 2,400+ acre wildfire that broke out southeast of Grayling in Crawford County that spread rapidly amidst the dry conditions and breezy northeast winds. A slow moving low pressure system dipped into the upper Great Lakes around mid month, bringing a reprieve from the warmth to the region, but brought limited rainfall to northern lower Michigan. Eastern upper Michigan fared slightly better with several places picking up 0.75-1.25" of rain on June 11th. The dry spell carried into the last week of the month, but things quickly changed in some areas.

Another slow moving system moved into Michigan, but this time, brought about a much more humid airmass from the Gulf of Mexico. On the afternoon of June 25th, an advancing occluded frontal boundary was the focus point of several rounds of repeated thunderstorms across north central and northwest lower Michigan. The main areas impacted were Traverse City and Gaylord. As a matter of fact, several spots near Gaylord picked up 2.50-4.00" of rainfall that day, with several spots in the Grand Traverse Bay area seeing 1.50-3.00" of rainfall. In addition to the rainfall, some storms contained large hail and damaging winds around Gaylord and Traverse City, with the largest hail being of golf ball size (1.75") east of Sparr in Otsego County. The humid airmass lingered despite temperatures falling from the mid-to-upper 80s into the 70s.

Eventually, showers and storms impacted northeast lower and eastern upper Michigan later in the week, with some localized spots picking up 1.00-2.00" of rainfall. While the month ended on a wetter and stormier note, much of this activity was not enough to force rainfall above normal in several spots, with much of the rainfall that was observed across the region in June largely occurring on 2-3 days over the course of the month.