

November 2022 Northern Michigan Climate Summary

Alpena

Avg Temp	Avg Temp Departure	Precip	Precip Departure	Snowfall	Snowfall Departure
39.3°F	+2.7°F	1.99"	-0.08"	12.5"	+5.9"

Houghton Lake

Avg Temp	Avg Temp Departure	Precip	Precip Departure	Snowfall	Snowfall Departure
37.9°F	+2.4°F	1.89"	-0.31"	9.9"	+2.4"

Sault Ste. Marie

Avg Temp	Avg Temp Departure	Precip	Precip Departure	Snowfall	Snowfall Departure
37.5°F	+2.7°F	4.32"	+0.88"	11.7"	-4.3"

Gaylord

Avg Temp	Avg Temp Departure	Precip	Precip Departure	Snowfall	Snowfall Departure
38.9°F	+6.6°F	3.30"	-0.06"	26.9"	+7.7"

Traverse City

Avg Temp	Avg Temp Departure	Precip	Precip Departure	Snowfall	Snowfall Departure
42.4°F	+3.7°F	3.80"	+0.61"	20.8"	+15.2"

Despite temperatures normally trending cooler into November, the atmosphere failed to get the memo...at least initially! The first two weeks of the month were largely dictated by an exceptionally warm airmass that spawned record-shattering temperatures to the region. A dynamic system produced heavy rainfall of 1-2" and gusts as high as 65mph across the region on November 4-5. The warmth peaked on November 10th, with most places seeing a day that resembled mid-summer as opposed to November. Highs peaked well into the 70s for most, with lows in the 50s. As a matter of fact, both Gaylord and Alpena set all-time monthly high temperatures with readings of 77°F and 78°F respectively, and Rogers City observed the highest temperature, with a high of 79°F!

Eventually, a bit of whiplash set in as the overall mode of weather flipped from summer straight into winter, with snow falling across parts of the region less than 30 hours after temperatures were pushing 80°F. From November 12-20, the cold airmass combined with the unusually warm Great Lakes unleashed numerous bouts of heavy lake effect snowfall to the region. In particular, a burst of heavier snow associated with a mesolow brought significant accumulations in excess of two feet across northern Antrim and southern Charlevoix Counties, particularly in the vicinity of East Jordan. All in all, over a 5 day period, the East Jordan area observed over 33" of snowfall, easily the highest total in the area. Closer to Thanksgiving, a milder airmass kicked back in, with highs peaking in the 50s alongside brilliant sunshine that, melted a majority of, if not all of the snow that fell the prior week over the span of 2-3 days. November 2022 will be remembered for its unusual extremes, with much of the area finishing well above normal for temperatures, while also seeing well above normal snowfall.