

Storm Data and Unusual Weather Phenomena - April 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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LAKE ERIE

MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 3.2 NNW LUNA PIER [41.87, -83.48]				
	04/05/23 13:50 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	04/05/23 13:50 EST		0	Source: Public

A thunderstorm moving through Lake Erie produced a wind gust to 40 knots.

LAKE ST CLAIR

DETROIT RIVER COUNTY --- DETROIT RIVER LIGHT [42.00, -83.14]				
	04/01/23 00:29 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	04/01/23 00:29 EST		0	Source: C-MAN Station

DETROIT RIVER COUNTY --- DETROIT RIVER LIGHT [42.00, -83.14]				
	04/01/23 10:41 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	04/01/23 10:41 EST		0	Source: C-MAN Station

Thunderstorm moving through the Detroit River produced wind gusts up to 45 knots.

LAKE ST CLAIR (U.S. PORTION) COUNTY --- 2.1 NNW METROPOLITAN BEACH [42.61, -82.82]				
	04/05/23 12:30 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	04/05/23 12:30 EST		0	Source: ASOS

A thunderstorm moving through Lake St. Clair produced a wind gust near 40 knots.

MICHIGAN, East

MONROE COUNTY --- 1.2 NE PETERSBURG GRADOLPH [41.93, -83.72]				
	04/01/23 10:03 EST		0	Thunderstorm Wind (EG 50 kt)
	04/01/23 10:03 EST		0	Source: NWS Storm Survey

Several large tree limbs down.

MONROE COUNTY --- 1.9 SSE REA [41.95, -83.71], 2.3 W GRAPE [41.97, -83.58]				
	04/01/23 10:03 EST		25K	Tornado (EF0, L: 7.12 mi , W: 75 yd)
	04/01/23 10:08 EST		0	Source: NWS Storm Survey

The tornado touched down at the intersection of Brewer Rd and Petersburg Rd west southwest of Dundee. Damage in this area included a stand of pine trees down, damage to an outbuilding, and some significant shingle damage to a house with winds estimated at 75 mph in strength. The tornado then tracked along Brewer Rd with damage consisting of sporadic downed large limbs as Brewer Rd turned into Riley St. upon entering into the village of Dundee. Estimated wind speeds increased to a peak of 80 mph in downtown Dundee...specifically in the immediate vicinity of Memorial Park...with increased wind speeds aided by funneling effects between downtown buildings. Damage in this area consisted of a roof being partially blown off, windows blown out, downed limbs, and nearby car damage. The tornado then tracked further east northeastward until ending near the intersection of Dixon Rd and Sullivan Rd with continued sporadic downed large limbs.

MONROE COUNTY --- 0.9 NW CARLETON [42.06, -83.39]				
	04/01/23 10:30 EST		0	Thunderstorm Wind (EG 65 kt)
	04/01/23 10:30 EST		0	Source: Law Enforcement

Numerous trees and wires reported down across northeast portions of Monroe County.

A disorganized area of showers and some embedded thunderstorms tracked into southeast Michigan during the late morning hours of April 1st, 2023. While the overall environment was marginal owing to lack of instability, locally favorable conditions for severe weather developed south of I-94 as upper and low level features briefly interacted. The thunderstorm complex reinvigorated between 10 and 11 AM, eventually becoming severe for a brief period over Lenawee/Monroe/southern Wayne Counties. These storms produced damaging

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wind gusts, sub-severe hail (spotters reported up to M&M size), and a brief/weak EF-0 tornado in Dundee. The tornado was on the ground for 5 minutes, causing damage consistent with 80 MPH wind gusts as it tracked through the heart of downtown Dundee. By noon, storms had shifted into Canada and the severe weather threat was over.

OAKLAND COUNTY --- 0.5 W TROY [42.60, -83.16]

	04/05/23 02:03 EST		0	Hail (1.00 in)
	04/05/23 02:03 EST		0	Source: Broadcast Media

OAKLAND COUNTY --- 5.0 ENE SOUTHFIELD [42.50, -83.19]

	04/05/23 12:16 EST		10K	Thunderstorm Wind (EG 56 kt)
	04/05/23 12:16 EST		0	Source: Public

Large tree limbs were blown down, along with 4 houses suffering roof/shingle damage.

MACOMB COUNTY --- 2.6 S UTICA [42.61, -83.04]

	04/05/23 13:15 EST		30K	Thunderstorm Wind (EG 56 kt)
	04/05/23 13:15 EST		0	Source: Broadcast Media

Sterling Estates, a mobile home park, suffered thunderstorm wind damage. Most of the damage was roof/shingle damage, but a few trees and sheds were also reported blown down. One home had the roof/awning completely ripped off.

Isolated severe thunderstorms hit Oakland and Macomb counties with hail and wind damage.