

Storm Data and Unusual Weather Phenomena - October 2019

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 --- 0.1 NW DETROIT RIVER LIGHT [42.00, -83.14]				
	10/27/19 03:50 EST		0	Marine Thunderstorm Wind (MG 43 kt)
	10/27/19 03:50 EST		0	Source: C-MAN Station

A thunderstorm moving through western Lake Erie produced a wind gust near 45 knots.

LAKE HURON

PORT SANILAC TO PORT HURON MI COUNTY --- 0.3 SSW FORT GRATIOT WLN STATION (FTGM4) [43.01, -82.42]				
	10/27/19 04:18 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	10/27/19 04:18 EST		0	Source: C-MAN Station

A thunderstorm near Fort Gratioit produced a wind gust around 35 knots.

LAKE ST CLAIR

LAKE ST CLAIR (U.S. PORTION) COUNTY --- 1.4 S GROSSE POINTE [42.36, -82.91]				
	10/27/19 03:54 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	10/27/19 03:54 EST		0	Source: C-MAN Station

LAKE ST CLAIR (U.S. PORTION) COUNTY --- 2.6 S ST CLAIR SHORES [42.43, -82.87]				
	10/27/19 03:57 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	10/27/19 03:57 EST		0	Source: C-MAN Station

LAKE ST CLAIR (U.S. PORTION) COUNTY --- 0.5 SSE METROPOLITAN BEACH [42.57, -82.80]				
	10/27/19 04:08 EST		0	Marine Thunderstorm Wind (MG 47 kt)
	10/27/19 04:08 EST		0	Source: C-MAN Station

LAKE ST CLAIR (U.S. PORTION) COUNTY --- 2.8 NW METROPOLITAN BEACH [42.61, -82.83]				
	10/27/19 04:15 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	10/27/19 04:15 EST		0	Source: ASOS

Thunderstorms moving through Lake St. Clair produced wind gusts greater than 45 knots.

MICHIGAN, East

SAGINAW COUNTY --- 1.7 NW BLACKMAR [43.30, -83.87]				
	10/01/19 11:55 EST		0	Thunderstorm Wind (EG 52 kt)
	10/01/19 11:55 EST		0	Source: Utility Company

Trees reported down on power lines.

TUSCOLA COUNTY --- 2.6 WNW MILLINGTON [43.29, -83.58]				
	10/01/19 12:09 EST		5K	Thunderstorm Wind (EG 52 kt)
	10/01/19 12:09 EST		0	Source: Utility Company

Trees and tree limbs blown onto power lines.

TUSCOLA COUNTY --- 2.1 ESE JUNIATA [43.34, -83.43]				
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	10/01/19 12:13 EST		0	Thunderstorm Wind (EG 52 kt)
	10/01/19 12:13 EST		0	Source: 911 Call Center

A tree was reported down on power lines.

A few severe thunderstorms producing wind damage moved through Saginaw and Tuscola counties.

(MI-Z076) WAYNE, (MI-Z083) MONROE

	10/03/19 02:00 EST		0	Lakeshore Flood
	10/03/19 05:00 EST		0	

Easterly winds around 20 MPH and high water levels over Lake Erie lead to lakeshore flooding along the Monroe and southern Wayne shorelines. The water level at Toledo peaked at 76.8 inches above chart datum, while Fermi and Gibraltar water levels peaked just under 72 inches above chart datum.

(MI-Z049) HURON, (MI-Z054) TUSCOLA, (MI-Z055) SANILAC, (MI-Z063) ST. CLAIR

	10/16/19 22:00 EST		0	Lakeshore Flood
	10/17/19 15:00 EST		0	

Strong and prolonged northwest winds around 35 mph generated large waves over Saginaw Bay and southern Lake Huron. These higher waves and elevated water levels caused significant lakeshore flooding. Flooding to homes and roads were reported in Harbor Beach, Caseville, and Sebawaing. Erosion of the shoreline occurred at Port Crescent State Park. Finally, significant erosion and damage to seawalls reported in Lakeport.

WAYNE COUNTY --- 1.2 NE (DTW)DETROIT METRO A [42.23, -83.33]

	10/27/19 03:42 EST		0	Thunderstorm Wind (MG 50 kt)
	10/27/19 03:42 EST		0	Source: ASOS

A thunderstorm produced a 58 mph wind gust at Detroit Metro Airport.

(MI-Z048) BAY, (MI-Z049) HURON, (MI-Z054) TUSCOLA

	10/31/19 06:00 EST		0	Lakeshore Flood
	10/31/19 14:00 EST		0	

High water levels over Lake Huron and northeast to north winds of 30-40 MPH produced large waves resulting in lakeshore flooding across Bay, Tuscola, and Huron Counties. The water level at Essexville peaked at 71.3 inches above chart datum. Shoreline erosion was reported at Port Hope.