

Storm Data and Unusual Weather Phenomena - July 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE ERIE				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- DETROIT RIVER LIGHT [42.10, -83.20]				
	07/12/16 21:03 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	07/12/16 21:03 EST	0		Source: C-MAN Station
A thunderstorm moving through Lake Erie produced a 36 knot wind gust.				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 3.6 SSE MONROE HARBOR [41.87, -83.38]				
	07/13/16 19:15 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	07/13/16 19:15 EST	0		Source: C-MAN Station
A thunderstorm moving into Lake Erie produced a 39 knot wind gust.				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- DETROIT RIVER LIGHT [42.10, -83.20]				
	07/18/16 02:58 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	07/18/16 02:58 EST	0		Source: C-MAN Station
A thunderstorm moving through Lake Erie produced a wind gust of 34 knots.				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 3.6 SSE MONROE HARBOR [41.87, -83.38]				
	07/21/16 15:53 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	07/21/16 15:53 EST	0		Source: C-MAN Station
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- DETROIT RIVER LIGHT [42.10, -83.20]				
	07/21/16 16:08 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	07/21/16 16:08 EST	0		Source: C-MAN Station
Thunderstorms moving through Lake Erie produced wind gusts up to 39 knots.				
LAKE HURON				
INNER SAGINAW BAY SW OF POINT AU GRES TO BAY PORT MI COUNTY --- 3.8 NE PINCONNING [43.89, -83.92], 5.0 NE PINCONNING [43.90, -83.89]				
	07/08/16 14:20 EST	0		Waterspout
	07/08/16 14:22 EST	0		Source: NWS Storm Survey
INNER SAGINAW BAY SW OF POINT AU GRES TO BAY PORT MI COUNTY --- SAGINAW BAY LIGHT [43.81, -83.72]				
	07/08/16 15:00 EST	0		Marine Thunderstorm Wind (MG 43 kt)
	07/08/16 15:10 EST	0		Source: C-MAN Station
INNER SAGINAW BAY SW OF POINT AU GRES TO BAY PORT MI COUNTY --- 5.3 WNW SAGINAW RIVER MOUTH [43.69, -83.92]				
	07/08/16 15:02 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	07/08/16 15:02 EST	0		Source: C-MAN Station
HARBOR BEACH TO PORT SANILAC MI COUNTY --- 30.1 S HARBOR BEACH [43.42, -82.54]				
	07/08/16 16:50 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	07/08/16 16:50 EST	0		Source: C-MAN Station
PORT SANILAC TO PORT HURON MI COUNTY --- 0.9 SE PORT SANILAC [43.42, -82.54]				
	07/08/16 16:50 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	07/08/16 16:50 EST	0		Source: C-MAN Station
A tornado northeast of Pinconning moved into Inner Saginaw Bay.				
PORT SANILAC TO PORT HURON MI 5NM OFFSHORE TO US/CANADIAN BORDER COUNTY --- 1.0 NNE PORT HURON [42.99, -82.41]				

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	07/13/16 19:48 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/13/16 19:48 EST		0	Source: C-MAN Station

A thunderstorm near Port Huron produced a 38 knot wind gust.

OUTER SAGINAW BAY SW OF ALABASTER TO PORT AUSTIN MI TO INNER SAGINAW BAY COUNTY --- GRAVELLY SHOALS LIGHT [44.02, -83.54]				
	07/21/16 13:40 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	07/21/16 13:40 EST		0	Source: C-MAN Station

A thunderstorm moving through Outer Saginaw Bay produced a 37 knot wind gust.

PORT SANILAC TO PORT HURON MI COUNTY --- FORT GRATIOT WLON STATION (FTGM4) [43.01, -82.42]				
	07/27/16 18:24 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/27/16 18:24 EST		0	Source: C-MAN Station

A thunderstorm near Fort Gratiot produced a 35 knot wind gust.

LAKE ST CLAIR

DETROIT RIVER COUNTY --- WYANDOTTE [42.20, -83.17]				
	07/08/16 18:36 EST		0	Marine Thunderstorm Wind (EG 52 kt)
	07/08/16 18:36 EST		0	Source: Public

A thunderstorm which produced wind damage in Wyandotte moved into the Detroit River.

DETROIT RIVER COUNTY --- DETROIT RIVER LIGHT [42.00, -83.14]				
	07/08/16 19:22 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	07/08/16 19:22 EST		0	Source: C-MAN Station

A measured wind gust of 40 knots was observed at Detroit Light.

DETROIT RIVER COUNTY --- 5.5 S GROSSE ILE [42.10, -83.16]				
	07/25/16 03:15 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/25/16 03:15 EST		0	Source: ASOS

A thunderstorm moving through the Detroit River produced a 38 knot wind gust.

MICHIGAN, East

SAGINAW COUNTY --- 2.1 S DICE [43.44, -84.12]				
	07/07/16 21:10 EST		0	Thunderstorm Wind (EG 52 kt)
	07/07/16 21:10 EST		0	Source: Law Enforcement

A tree was reported blown down.

SAGINAW COUNTY --- 1.0 E SAGINAW [43.42, -83.95]				
	07/07/16 21:22 EST		0	Thunderstorm Wind (EG 52 kt)
	07/07/16 21:22 EST		0	Source: Trained Spotter

A large tree was reported blown down.

MACOMB COUNTY --- 0.8 W MT CLEMENS [42.58, -82.89], ST CLAIR SHRS [42.48, -82.87], 0.8 W CENTER LINE [42.47, -83.05], 0.8 W STERLING HGTS [42.57, -83.05]				
	07/08/16 02:43 EST		0	Flood (due to Heavy Rain)
	07/08/16 08:00 EST		0	Source: Broadcast Media

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WAYNE COUNTY --- GROSSE PT SHRS [42.43, -82.87], LINCOLN PARK [42.23, -83.17], BELLEVILLE [42.20, -83.47], NORTHVILLE [42.43, -83.48]				
	07/08/16 02:43 EST		0	Flood (due to Heavy Rain)
	07/08/16 08:00 EST		0	Source: Broadcast Media
<p>Two to three inches of rain fell from the evening of July 7 to the early morning hours of July 8, leading to Flooding across parts of Macomb and Wayne Counties. Detroit City Airport ended up reporting 2.99 inches. Numerous streets and freeways were closed due to flooding. Some flooding of homes and basements also occurred.</p>				
BAY COUNTY --- 0.9 NE BENTLEY [43.96, -84.12]				
	07/08/16 14:00 EST		0	Hail (1.75 in)
	07/08/16 14:00 EST		0	Source: Public
BAY COUNTY --- 2.6 NNE PINCONNING [43.89, -83.96], 3.8 NE PINCONNING [43.89, -83.92]				
	07/08/16 14:16 EST		10K	Tornado (EF0, L: 2.00 mi , W: 100 yd)
	07/08/16 14:20 EST		0	Source: NWS Storm Survey
<p>Tornado began near the northern end of Elevator Road. The tornado uprooted pines and downed large tree limbs as it paralleled Lapan Road. At the end of Lapan Road, small trees were snapped, a roof was peeled off, and a house sustained broken windows, likely from being struck by roofing material. Estimated peak winds of 70 mph. Based on storm spotter pictures, the tornado likely continued into Saginaw Bay as a waterspout.</p>				
BAY COUNTY --- 1.2 SE MT FOREST [43.87, -84.10]				
	07/08/16 14:27 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 14:27 EST		0	Source: NWS Storm Survey
A large tree limb was observed down.				
MIDLAND COUNTY --- 4.1 SW HOPE [43.73, -84.39]				
	07/08/16 14:30 EST		0	Thunderstorm Wind (EG 56 kt)
	07/08/16 14:30 EST		0	Source: Law Enforcement
Trees reported down.				
BAY COUNTY --- 0.9 NE PINCONNING [43.86, -83.96]				
	07/08/16 14:38 EST		0	Hail (0.88 in)
	07/08/16 14:38 EST		0	Source: Trained Spotter
BAY COUNTY --- 2.9 ENE PINCONNING [43.87, -83.92]				
	07/08/16 14:42 EST		0	Hail (0.88 in)
	07/08/16 14:42 EST		0	Source: Trained Spotter
BAY COUNTY --- 2.9 ENE PINCONNING [43.87, -83.92]				
	07/08/16 14:42 EST		0	Thunderstorm Wind (MG 56 kt)
	07/08/16 14:42 EST		0	Source: Trained Spotter
BAY COUNTY --- PINCONNING [43.85, -83.97]				
	07/08/16 14:42 EST		0	Hail (1.75 in)
	07/08/16 14:42 EST		0	Source: Public
TUSCOLA COUNTY --- UNIONVILLE [43.65, -83.47]				
	07/08/16 15:35 EST		0	Hail (1.00 in)
	07/08/16 15:35 EST		0	Source: Trained Spotter
BAY COUNTY --- 2.0 NE BAY CITY MUNI ARPT [43.57, -83.87]				
	07/08/16 15:39 EST		0	Hail (1.00 in)
	07/08/16 15:39 EST		0	Source: Public
BAY COUNTY --- 0.9 SW BAY CITY [43.59, -83.89]				
	07/08/16 15:40 EST		0	Hail (1.00 in)
	07/08/16 15:40 EST		0	Source: Trained Spotter

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HURON COUNTY --- SEBEWAING [43.73, -83.45], BAY PORT [43.85, -83.38]				
	07/08/16 15:41 EST		5K	Thunderstorm Wind (EG 56 kt)
	07/08/16 15:41 EST		0	Source: Emergency Manager
Big trees and numerous wires reported blown down.				
BAY COUNTY --- 0.9 SW BAY CITY [43.59, -83.89]				
	07/08/16 15:44 EST		0	Hail (1.00 in)
	07/08/16 15:44 EST		0	Source: Trained Spotter
HURON COUNTY --- 0.7 N PIGEON [43.83, -83.27]				
	07/08/16 15:44 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 15:44 EST		0	Source: Trained Spotter
Large tree branches reported down.				
SANILAC COUNTY --- 0.9 SW ARGYLE [43.56, -82.94]				
	07/08/16 15:57 EST		5K	Thunderstorm Wind (EG 56 kt)
	07/08/16 15:57 EST		0	Source: Emergency Manager
Large trees and numerous power lines reported down.				
SHIAWASSEE COUNTY --- 0.5 W PERRY [42.82, -84.23]				
	07/08/16 16:10 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 16:10 EST		0	Source: Public
Large tree branches and power line reported down.				
TUSCOLA COUNTY --- 2.8 N CASS CITY [43.64, -83.16]				
	07/08/16 16:14 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 16:14 EST		0	Source: Trained Spotter
A two foot diameter tree was reported blown down.				
TUSCOLA COUNTY --- VASSAR [43.37, -83.58]				
	07/08/16 16:30 EST		0	Hail (0.75 in)
	07/08/16 16:30 EST		0	Source: Public
TUSCOLA COUNTY --- 0.9 SW KINGSTON [43.41, -83.19]				
	07/08/16 17:00 EST		5K	Thunderstorm Wind (EG 65 kt)
	07/08/16 17:00 EST		0	Source: Emergency Manager
Large trees and power lines reported blown down.				
WASHTENAW COUNTY --- 0.9 NW SALEM [42.41, -83.58]				
	07/08/16 18:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 18:00 EST		0	Source: Law Enforcement
An eight inch diameter tree was reported blown down.				
WAYNE COUNTY --- 3.1 WNW PLYMOUTH [42.38, -83.53]				
	07/08/16 18:02 EST		0	Thunderstorm Wind (EG 54 kt)
	07/08/16 18:02 EST		0	Source: Public
Numerous trees and tree limb reported down.				
WASHTENAW COUNTY --- 0.5 W MANCHESTER [42.15, -84.04]				
	07/08/16 18:07 EST		0	Hail (0.75 in)
	07/08/16 18:07 EST		0	Source: Trained Spotter

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WAYNE COUNTY --- 2.1 S NANKIN MILLS [42.32, -83.38]				
	07/08/16 18:15 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 18:15 EST		0	Source: Trained Spotter
A large tree was uprooted.				
WAYNE COUNTY --- 2.3 SSW INKSTER [42.25, -83.29]				
	07/08/16 18:20 EST		0	Hail (1.00 in)
	07/08/16 18:20 EST		0	Source: Trained Spotter
WAYNE COUNTY --- 2.3 SSW INKSTER [42.25, -83.29]				
	07/08/16 18:20 EST		0	Thunderstorm Wind (EG 56 kt)
	07/08/16 18:20 EST		0	Source: Trained Spotter
A spotter estimated 65 mph thunderstorm wind gust.				
WAYNE COUNTY --- 1.4 S ALLEN PARK [42.23, -83.22]				
	07/08/16 18:27 EST		3K	Thunderstorm Wind (EG 61 kt)
	07/08/16 18:27 EST		0	Source: Trained Spotter
Large trees reported blown down.				
WAYNE COUNTY --- 1.7 WNW GREENFIELD VLG [42.31, -83.21]				
	07/08/16 18:30 EST		0	Thunderstorm Wind (EG 50 kt)
	07/08/16 18:30 EST		0	Source: Trained Spotter
Top of large tree blown off.				
WAYNE COUNTY --- 2.0 W WYANDOTTE [42.20, -83.21]				
	07/08/16 18:34 EST		0	Hail (0.75 in)
	07/08/16 18:34 EST		0	Source: Trained Spotter
WAYNE COUNTY --- 2.0 W WYANDOTTE [42.20, -83.21]				
	07/08/16 18:34 EST		0	Thunderstorm Wind (EG 52 kt)
	07/08/16 18:34 EST		0	Source: Trained Spotter
A spotter estimated a 60 mph thunderstorm wind gust.				
WAYNE COUNTY --- 2.5 SE TAYLOR CENTER [42.20, -83.23]				
	07/08/16 18:35 EST		0	Thunderstorm Wind (EG 52 kt)
	07/08/16 18:35 EST		0	Source: Trained Spotter
Large tree limbs and power lines reported down.				
WAYNE COUNTY --- 0.9 NE WYANDOTTE [42.21, -83.16]				
	07/08/16 18:36 EST		0	Thunderstorm Wind (EG 52 kt)
	07/08/16 18:36 EST		0	Source: Public
Several trees and large tree limbs reported down.				
WAYNE COUNTY --- 0.9 SW RIVERVIEW [42.17, -83.19]				
	07/08/16 18:36 EST		0	Hail (1.75 in)
	07/08/16 18:36 EST		0	Source: Trained Spotter
WAYNE COUNTY --- 0.9 SW RIVERVIEW [42.17, -83.19]				
	07/08/16 18:36 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/08/16 18:36 EST		0	Source: Public
Power lines and pole reported down.				

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An unseasonably strong upper-level disturbance interacted with a warm, moist airmass to spark scattered thunderstorms across Southeast Michigan between 3 and 8 pm July 8. These storms became severe across the Saginaw Valley and Thumb regions, with hail up to golf ball size, scattered wind damage, and localized rainfall amounts near 3 inches. An EF0 tornado occurred near Pinconning. The storms weakened upon spreading southward, but re-intensified over the western suburbs of Detroit. A concentrated swath of wind damage occurred from western Wayne County through the Downriver area, with numerous reports of trees down.

WASHTENAW COUNTY --- 3.2 NNE LYNDON CENTER [42.42, -84.05]	07/12/16 19:30 EST		0	Thunderstorm Wind (EG 52 kt)
	07/12/16 19:30 EST		0	Source: 911 Call Center

Large trees reported blown down.

WASHTENAW COUNTY --- ANN ARBOR YOUNG ARPT [42.30, -83.87]	07/12/16 20:03 EST		0	Thunderstorm Wind (EG 50 kt)
	07/12/16 20:03 EST		0	Source: Law Enforcement

A large tree limb was reported down.

OAKLAND COUNTY --- 1.2 SE WIXOM [42.51, -83.51]	07/12/16 20:10 EST		0	Thunderstorm Wind (EG 50 kt)
	07/12/16 20:10 EST		0	Source: Public

A small tree was reported snapped off.

OAKLAND COUNTY --- 1.2 SW WIXOM SPENCER ARPT [42.51, -83.57]	07/12/16 20:10 EST		2K	Thunderstorm Wind (EG 52 kt)
	07/12/16 20:10 EST		0	Source: Emergency Manager

A tree was reported blown down onto a car, along with roof damage to a home.

A couple marginally severe thunderstorms popped up over Washtenaw and Oakland counties producing wind damage.

MONROE COUNTY --- 3.2 ESE AZALIA [42.01, -83.61]	07/13/16 18:21 EST		5K	Thunderstorm Wind (EG 54 kt)
	07/13/16 18:21 EST		0	Source: Emergency Manager

Several reports of power lines and trees down.

MONROE COUNTY --- 0.7 N MAYBEE [42.01, -83.52]	07/13/16 18:25 EST		5K	Thunderstorm Wind (EG 54 kt)
	07/13/16 18:25 EST		0	Source: Fire Department/Rescue

Numerous large trees blown down, with 6 power poles also down.

LAPEER COUNTY --- 3.8 ENE COLUMBIAVILLE [43.17, -83.35]	07/13/16 18:27 EST		0	Thunderstorm Wind (EG 50 kt)
	07/13/16 18:27 EST		0	Source: Trained Spotter

Numerous tree limbs blown down.

LAPEER COUNTY --- 4.1 NW FIVE LAKES [43.19, -83.31]	07/13/16 18:40 EST		0	Thunderstorm Wind (EG 56 kt)
	07/13/16 18:40 EST		0	Source: Emergency Manager

Numerous trees and wires reported down. One tree fell onto a house, causing one minor injury.

MONROE COUNTY --- 0.9 SE MONROE CUSTER ARPT [41.92, -83.42]	07/13/16 18:55 EST		0	Thunderstorm Wind (EG 50 kt)
	07/13/16 18:55 EST		0	Source: Public

An eight inch diameter tree limb reported down.

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MACOMB COUNTY --- 0.7 N RAY CENTER [42.78, -82.88]				
	07/13/16 19:10 EST		3K	Thunderstorm Wind (EG 54 kt)
	07/13/16 19:10 EST		0	Source: 911 Call Center
Trees and wires reported down.				
MACOMB COUNTY --- 0.9 SW ARMADA [42.84, -82.88]				
	07/13/16 19:10 EST		0	Thunderstorm Wind (EG 52 kt)
	07/13/16 19:10 EST		0	Source: 911 Call Center
A large tree was reported blown down.				
ST. CLAIR COUNTY --- 1.2 NE GARDENDALE [43.04, -82.46], 2.0 W LAKEPORT [43.12, -82.52]				
	07/13/16 19:45 EST		0	Thunderstorm Wind (EG 54 kt)
	07/13/16 19:45 EST		0	Source: 911 Call Center
Numerous trees reported down.				
Several thunderstorms producing damaging winds, mainly across the Southern Thumb region and Monroe county.				
WAYNE COUNTY --- 1.7 WNW GREENFIELD VLG [42.31, -83.21]				
	07/18/16 02:49 EST		0	Thunderstorm Wind (EG 52 kt)
	07/18/16 02:49 EST		0	Source: Broadcast Media
Trees and large limbs reported down.				
An isolated severe thunderstorm developed over Dearborn.				
WAYNE COUNTY --- 2.6 SW METTETAL ARPT [42.32, -83.48]				
	07/21/16 15:25 EST		0	Thunderstorm Wind (EG 50 kt)
	07/21/16 15:25 EST		0	Source: Trained Spotter
A small tree was reported down.				
A thunderstorms brought down a small tree near Canton.				
WASHTENAW COUNTY --- 0.6 SW GEDDES [42.26, -83.68], 2.4 NNE WILLOW RUN [42.28, -83.55], 1.0 ENE WILLIS [42.16, -83.53], 3.4 W STONY CREEK [42.14, -83.70]				
	07/30/16 11:00 EST		40K	Flash Flood (due to Heavy Rain)
	07/30/16 12:00 EST		0	Source: Emergency Manager
Numerous streets were closed due to flooding with power lines also brought down. A nursing home roof collapsed due to the weight of the water. Trees were stripped of their leaves indicative of the heavy rainfall rates. The leaves clogged storm drains which exacerbated the flooding.				
Widespread rainfall totals around 2 inches, with isolated amounts up to 5 inches produced minor flooding, except around Ypsilanti where Flash Flooding was reported.				