

Storm Data and Unusual Weather Phenomena - May 2011

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 --- 1.0 SE STONY POINT [41.99, -83.29]				
	05/29/11 17:05 EST		0	Marine Hail (0.75 in)
	05/29/11 17:05 EST		0	Source: Trained Spotter

MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 1.0 SE STONY POINT [41.99, -83.29]				
	05/29/11 17:05 EST		0	Marine Thunderstorm Wind (EG 48 kt)
	05/29/11 17:05 EST		0	Source: Trained Spotter

A trained spotter estimated a 55 mph thunderstorm wind gust.

A thunderstorm moving through western Lake Erie produced three quarter inch hail and estimated winds to 55 mph.

LAKE HURON

PORT SANILAC TO PORT HURON MI COUNTY --- LEXINGTON [43.27, -82.53]				
	05/06/11 16:50 EST		0	Marine Thunderstorm Wind (EG 35 kt)
	05/06/11 16:50 EST		0	Source: Trained Spotter

A trained spotter estimated a 40 mph thunderstorm wind gust.

A thunderstorm moving into the nearshore waters of Lake Huron around Lexington produced an estimated wind gust to 40 mph.

INNER SAGINAW BAY SW OF POINT AU GRES TO BAY PORT MI COUNTY --- SAGINAW BAY LIGHT [43.81, -83.72]				
	05/22/11 15:40 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	05/22/11 15:40 EST		0	Source: C-MAN Station

PORT AUSTIN TO HARBOR BEACH MI COUNTY --- 5.0 NW PORT HOPE [43.98, -82.79]				
	05/22/11 16:50 EST		0	Marine Hail (1.50 in)
	05/22/11 16:50 EST		0	Source: Public

A couple strong to severe thunderstorms moved through Saginaw Bay and the nearshore waters of Lake Huron around Port Hope.

PORT AUSTIN TO HARBOR BEACH MI COUNTY --- PORT HOPE [43.93, -82.72]				
	05/23/11 14:00 EST		0	Marine Thunderstorm Wind (MG 43 kt)
	05/23/11 14:00 EST		0	Source: ASOS

A thunderstorm moving through Port Hope produced a 50 mph thunderstorm wind gust.

INNER SAGINAW BAY SW OF POINT AU GRES TO BAY PORT MI COUNTY --- 7.8 S PINCONNING [43.74, -83.95], 7.3 SSE PINCONNING [43.75, -83.93]				
	05/31/11 18:37 EST		0	Waterspout
	05/31/11 18:40 EST		0	Source: NWS Storm Survey

OUTER SAGINAW BAY SW OF ALABASTER TO PORT AUSTIN MI TO INNER SAGINAW BAY COUNTY --- GRAVELLY SHOALS LIGHT [44.02, -83.54]				
	05/31/11 19:09 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	05/31/11 19:09 EST		0	Source: C-MAN Station

PORT AUSTIN TO HARBOR BEACH MI COUNTY --- PORT AUSTIN [44.05, -83.00]				
	05/31/11 20:00 EST		0	Marine Thunderstorm Wind (MG 54 kt)
	05/31/11 20:00 EST		0	Source: Trained Spotter

Thunderstorms moving through Saginaw Bay and the nearshore waters of Lake Huron near Port Austin produced wind gusts up to 62 mph.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE ST CLAIR				
LAKE ST CLAIR (U.S. PORTION) COUNTY --- ST CLAIR SHORES [42.30, -82.87]				
	05/23/11 12:20 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	05/23/11 12:20 EST	0		Source: C-MAN Station
DETROIT RIVER COUNTY --- 2.3 SSE GROSSE ILE [42.15, -83.15]				
	05/23/11 14:54 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	05/23/11 14:54 EST	0		Source: Trained Spotter
LAKE ST CLAIR (U.S. PORTION) COUNTY --- ST CLAIR SHORES [42.30, -82.87]				
	05/23/11 15:19 EST	0		Marine Thunderstorm Wind (MG 43 kt)
	05/23/11 15:19 EST	0		Source: C-MAN Station
DETROIT RIVER COUNTY --- 2.3 SSE GROSSE ILE [42.15, -83.15]				
	05/23/11 19:27 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	05/23/11 19:27 EST	0		Source: AWOS
A couple of thunderstorms moving through Lake St Clair produced thunderstorm wind gusts up to 50 mph.				
MICHIGAN, East				
LENAWEE COUNTY --- 4.2 N MUNSON [41.76, -84.33]				
	05/10/11 05:48 EST	0		Hail (1.00 in)
	05/10/11 05:48 EST	0		Source: Public
LENAWEE COUNTY --- 2.5 SW MEDINA [41.78, -84.31]				
	05/10/11 05:53 EST	0		Hail (0.75 in)
	05/10/11 05:53 EST	0		Source: Public
A thunderstorm just southwest of Medina produced 1 inch hail.				
MIDLAND COUNTY --- 2.1 ESE PORTER [43.51, -84.43]				
	05/13/11 16:59 EST	0		Hail (1.00 in)
	05/13/11 16:59 EST	0		Source: Trained Spotter
GENESEE COUNTY --- 0.9 SW DUFFIELD [42.91, -83.91]				
	05/13/11 19:55 EST	0		Hail (0.75 in)
	05/13/11 19:55 EST	0		Source: Trained Spotter
SHIAWASSEE COUNTY --- 2.1 N BYRON [42.85, -83.95]				
	05/13/11 19:55 EST	0		Hail (0.88 in)
	05/13/11 19:55 EST	0		Source: Trained Spotter
GENESEE COUNTY --- 0.5 W GAINES [42.87, -83.91]				
	05/13/11 20:14 EST	0		Hail (1.00 in)
	05/13/11 20:14 EST	0		Source: Trained Spotter
GENESEE COUNTY --- 10.6 W DUFFIELD [42.90, -84.11], 6.3 S ARGENTINE [42.69, -83.84], 5.3 SSW ATLAS [42.86, -83.56], 2.4 S SWARTZ CREEK [42.92, -83.83]				
	05/13/11 20:14 EST	0.10M		Flash Flood (due to Heavy Rain)
	05/13/11 22:14 EST	0		Source: Trained Spotter

Estimated rainfall of at least 2 to 4 inches caused water over roads and flooded properties.

A surface trough dropping south through Saginaw Bay interacted with thunderstorms coming up from the south, producing heavy rainfall around the I-69 corridor, specifically in Genessee county where flash flooding occurred.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SANILAC COUNTY --- 3.4 W BROWN CITY [43.22, -83.07]				
	05/14/11 09:45 EST		50K	Lightning
	05/14/11 09:45 EST		0	Source: Newspaper
A lightning strike caused a barn to catch fire, destroying the barn. A tractor was also inside the barn and was destroyed.				
(MI-Z047) MIDLAND, (MI-Z048) BAY, (MI-Z053) SAGINAW				
	05/14/11 21:00 EST		55K	High Wind (MAX 50 kt)
	05/15/11 09:00 EST		0	
A tight pressure gradient with high pressure to the north and low pressure to the south, coupled with funneling through Saginaw Bay lead to strong northeast winds in excess of 55 mph across Bay and Saginaw Counties.				
LAPEER COUNTY --- 1.8 SSW ATTICA [43.00, -83.18], 3.3 SE IMLAY CITY [43.00, -83.03], 3.8 NE BURNSIDE [43.25, -83.01], 2.1 SW CLIFFORD [43.30, -83.20]				
	05/15/11 12:00 EST		0	Flood (due to Heavy Rain)
	05/16/11 22:00 EST		0	Source: Newspaper
Three to five inches of rain over the weekend lead to flooding. Several roads were closed, mostly from Mill Creek overflowing its banks.				
MIDLAND COUNTY --- 1.2 NW BULLOCK CREEK [43.59, -84.27]				
	05/22/11 14:41 EST		0	Hail (1.00 in)
	05/22/11 14:41 EST		0	Source: Trained Spotter
MIDLAND COUNTY --- MIDLAND [43.62, -84.23]				
	05/22/11 14:47 EST		0	Hail (1.00 in)
	05/22/11 14:47 EST		0	Source: Trained Spotter
MIDLAND COUNTY --- MIDLAND [43.62, -84.23]				
	05/22/11 14:47 EST		0	Thunderstorm Wind (MG 52 kt)
	05/22/11 14:47 EST		0	Source: Trained Spotter
A trained spotter measured a 60 mph thunderstorm wind gust.				
HURON COUNTY --- 3.7 SE HURON CITY [43.99, -82.78]				
	05/22/11 16:50 EST		0	Hail (1.50 in)
	05/22/11 16:50 EST		0	Source: Public
A couple marginally severe storms developed near Saginaw Bay.				
OAKLAND COUNTY --- 1.5 SSW OAK PARK [42.45, -83.24]				
	05/23/11 11:10 EST		0	Thunderstorm Wind (EG 52 kt)
	05/23/11 11:10 EST		0	Source: Broadcast Media
A tree was reported down.				
MIDLAND COUNTY --- 2.0 NE MIDLAND [43.64, -84.20]				
	05/23/11 11:56 EST		0	Thunderstorm Wind (EG 52 kt)
	05/23/11 11:56 EST		0	Source: Amateur Radio
Several trees and large tree limbs reported down.				
WASHTENAW COUNTY --- 0.9 NW RAWSONVILLE [42.23, -83.56]				
	05/23/11 14:40 EST		0	Thunderstorm Wind (EG 50 kt)
	05/23/11 14:40 EST		0	Source: Trained Spotter
Numerous four inch diameter tree limbs blown down.				
WAYNE COUNTY --- 1.0 W DEARBORN HGTS [42.37, -83.30]				

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	05/23/11 14:54 EST		0	Thunderstorm Wind (EG 60 kt)
	05/23/11 14:54 EST		0	Source: Trained Spotter
A large tree was reported blown down.				
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WAYNE COUNTY --- 1.2 SE PERRINVILLE [42.34, -83.31]				
	05/23/11 14:56 EST		0	Thunderstorm Wind (EG 50 kt)
	05/23/11 14:56 EST		0	Source: Trained Spotter
Several six inch diameter tree limbs reported down.				
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WAYNE COUNTY --- REDFORD HGTS [42.37, -83.25]				
	05/23/11 14:56 EST		3K	Thunderstorm Wind (EG 50 kt)
	05/23/11 14:56 EST		0	Source: Trained Spotter
Four inch diameter tree limbs reported down, along with powerlines.				
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WAYNE COUNTY --- 1.5 NNW HAMTRAMCK [42.40, -83.06]				
	05/23/11 15:07 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/23/11 15:07 EST		0	Source: Broadcast Media
A large tree was reported blown down.				
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WAYNE COUNTY --- 2.6 NW HAMTRAMCK [42.41, -83.08]				
	05/23/11 15:08 EST		0	Hail (0.75 in)
	05/23/11 15:08 EST		0	Source: Trained Spotter
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MACOMB COUNTY --- 1.0 W EAST DETROIT [42.47, -82.95]				
	05/23/11 15:15 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/23/11 15:15 EST		0	Source: Trained Spotter
A large tree was reported blown down on powerlines.				
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MACOMB COUNTY --- 1.5 W EAST DETROIT [42.47, -82.96]				
	05/23/11 15:15 EST		0	Thunderstorm Wind (EG 50 kt)
	05/23/11 15:15 EST		0	Source: Broadcast Media
Numerous large tree limbs reported blown down.				
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MACOMB COUNTY --- 2.0 W ROSEVILLE [42.50, -82.94]				
	05/23/11 15:15 EST		0	Thunderstorm Wind (EG 56 kt)
	05/23/11 15:15 EST		0	Source: Trained Spotter
Large tree limbs were reported down.				
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MACOMB COUNTY --- 0.9 SE ROSEVILLE [42.49, -82.89]				
	05/23/11 15:20 EST		0	Thunderstorm Wind (EG 52 kt)
	05/23/11 15:20 EST		0	Source: Trained Spotter
Trees were reported blown down.				
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WASHTENAW COUNTY --- 1.7 WNW ROWES CORNER [42.19, -84.06]				
	05/23/11 16:17 EST		0	Thunderstorm Wind (EG 50 kt)
	05/23/11 16:17 EST		0	Source: Trained Spotter
Three to four inch diameter tree limbs reported blown down.				
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WASHTENAW COUNTY --- 0.7 N ROWES CORNER [42.19, -84.03]				
	05/23/11 16:27 EST		0	Hail (0.75 in)
	05/23/11 16:27 EST		0	Source: Trained Spotter

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WAYNE COUNTY --- 0.9 NE SHELDON [42.28, -83.46]				
	05/23/11 16:50 EST		0	Thunderstorm Wind (EG 50 kt)
	05/23/11 16:50 EST		0	Source: Amateur Radio
A three to four inch diameter tree limb reported blown down.				
WASHTENAW COUNTY --- 0.7 S YPSILANTI [42.22, -83.62]				
	05/23/11 16:58 EST		2K	Thunderstorm Wind (EG 54 kt)
	05/23/11 16:58 EST		0	Source: Trained Spotter
Large tree limbs were reported down, along with damage to a church.				
LENAWEE COUNTY --- 2.9 NW BIRDSALL [41.98, -84.04]				
	05/23/11 17:19 EST		0	Hail (1.50 in)
	05/23/11 17:19 EST		0	Source: Public
LENAWEE COUNTY --- 0.9 NW TECUMSEH [42.01, -83.94]				
	05/23/11 17:25 EST		0	Hail (0.75 in)
	05/23/11 17:25 EST		0	Source: Trained Spotter
LENAWEE COUNTY --- 1.7 SW TECUMSEH [41.98, -83.95]				
	05/23/11 17:27 EST		1K	Thunderstorm Wind (EG 53 kt)
	05/23/11 17:27 EST		0	Source: Law Enforcement
Trees were reported down.				
LENAWEE COUNTY --- 0.7 N BRITTON [41.99, -83.83]				
	05/23/11 17:30 EST		1K	Thunderstorm Wind (EG 54 kt)
	05/23/11 17:30 EST		0	Source: Law Enforcement
Trees were reported down.				
LENAWEE COUNTY --- 2.9 NE RIDGEWAY [42.03, -83.83]				
	05/23/11 17:30 EST		2K	Thunderstorm Wind (EG 54 kt)
	05/23/11 17:30 EST		0	Source: Law Enforcement
Trees were reported down.				
MONROE COUNTY --- 0.9 NW AZALIA [42.03, -83.68]				
	05/23/11 18:55 EST		0	Hail (0.88 in)
	05/23/11 18:55 EST		0	Source: Trained Spotter
MONROE COUNTY --- 3.7 E OAKVILLE [42.07, -83.51]				
	05/23/11 19:04 EST		0	Hail (1.00 in)
	05/23/11 19:04 EST		0	Source: Public
WAYNE COUNTY --- 1.5 E WALTZ [42.10, -83.35]				
	05/23/11 19:15 EST		0	Hail (0.75 in)
	05/23/11 19:15 EST		0	Source: Trained Spotter
WAYNE COUNTY --- 1.4 N FLAT ROCK [42.10, -83.27]				
	05/23/11 19:17 EST		5K	Thunderstorm Wind (EG 56 kt)
	05/23/11 19:17 EST		0	Source: Law Enforcement
Numerous Trees were reported down.				
Numerous severe thunderstorms impacted areas south of M-59.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHTENAW COUNTY --- 9.7 WNW LYNDON CENTER [42.42, -84.26], 3.0 WNW WORDEN [42.39, -83.69], 2.9 W STONY CREEK [42.16, -83.69], 6.4 W SHARON HOLLOW [42.17, -84.22]				
	05/25/11 09:50 EST		0.10M	Flood (due to Heavy Rain)
	05/26/11 17:00 EST		0	Source: Emergency Manager
Numerous streets and homes flooded across the county.				
WAYNE COUNTY --- 2.5 NW CHERRY HILL [42.32, -83.57], 2.5 S BELLEVILLE ARPT [42.14, -83.55], 1.2 W DETROIT GROSSE ILE M [42.10, -83.19], 1.3 NNW GROSSE PT SHRS [42.45, -82.88]				
	05/25/11 09:50 EST		0.10M	Flood (due to Heavy Rain)
	05/26/11 17:00 EST		0	Source: Broadcast Media
Numerous streets and homes flooded across the county.				
Two to four inches of rain fell along the I-94 corridor leading to flooding.				
LENAWEE COUNTY --- MORENCI [41.72, -84.22]				
	05/29/11 16:10 EST		10K	Thunderstorm Wind (EG 56 kt)
	05/29/11 16:10 EST		0	Source: Newspaper
Many trees were uprooted. A church also sustained roof and brick damage.				
LENAWEE COUNTY --- 2.8 S JASPER [41.74, -84.04]				
	05/29/11 16:20 EST		10K	Thunderstorm Wind (EG 59 kt)
	05/29/11 16:20 EST		0	Source: Newspaper
Trees were blown down and a tractor trailer overturned.				
LIVINGSTON COUNTY --- 1.7 SW PARKERS CORNERS [42.55, -84.14]				
	05/29/11 16:21 EST		15K	Thunderstorm Wind (EG 70 kt)
	05/29/11 16:21 EST		0	Source: NWS Storm Survey
Trees were blown down and a barn was destroyed.				
LIVINGSTON COUNTY --- 0.9 SE PARKERS CORNERS [42.56, -84.11]				
	05/29/11 16:23 EST		15K	Thunderstorm Wind (EG 65 kt)
	05/29/11 16:23 EST		0	Source: NWS Storm Survey
Trees were blown down and a barn roof damaged.				
LIVINGSTON COUNTY --- 1.7 ENE PARKERS CORNERS [42.58, -84.09]				
	05/29/11 16:26 EST		15K	Thunderstorm Wind (EG 65 kt)
	05/29/11 16:26 EST		0	Source: NWS Storm Survey
Trees were blown down and an old barn destroyed.				
SHIAWASSEE COUNTY --- 2.3 SE SHAFTSBURG [42.78, -84.27], 1.1 S PERRY [42.80, -84.22]				
	05/29/11 16:28 EST		25K	Tornado (EF1, L: 3.07 mi , W: 100 yd)
	05/29/11 16:32 EST		0	Source: NWS Storm Survey
A tornado which originated in Ingham county crossed into Shiawassee county near LoveJoy and Locke Roads at 528 PM, tracking northeast for around three miles, ending at Beard and Ruppert Roads at 532 pm. The damage path was about 100 yards wide. Damage was mostly soft and hard wood trees uprooted and snapped, with estimated max wind speed of 90 mph, making this Tornado an EF1.				
SHIAWASSEE COUNTY --- 3.0 SSW PERRY [42.78, -84.24], MORRICE [42.83, -84.18]				
	05/29/11 16:28 EST		10K	Thunderstorm Wind (EG 70 kt)
	05/29/11 16:34 EST		0	Source: NWS Storm Survey
Numerous trees and tree limbs were blown down.				
LIVINGSTON COUNTY --- 0.9 SE HOWELL ARPT [42.62, -83.97]				

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	05/29/11 16:30 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 16:30 EST		0	Source: NWS Employee
Large tree limbs were blown down.				
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LIVINGSTON COUNTY --- 2.6 WNW HOWELL ARPT [42.64, -84.03]				
	05/29/11 16:30 EST		1K	Thunderstorm Wind (EG 52 kt)
	05/29/11 16:30 EST		0	Source: NWS Employee
Three small trees uprooted or snapped.				
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LENAWEE COUNTY --- 3.6 SSW OGDEN CENTER [41.72, -84.00], 2.2 S DEERFIELD [41.85, -83.79]				
	05/29/11 16:31 EST		20K	Thunderstorm Wind (EG 61 kt)
	05/29/11 16:35 EST		0	Source: County Official
Trees and power lines were reported down across much of southeast Lenawee county, including Blissfield, Jasper, and Morenci.				
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LENAWEE COUNTY --- BLISSFIELD [41.83, -83.87]				
	05/29/11 16:33 EST		5K	Thunderstorm Wind (EG 56 kt)
	05/29/11 16:33 EST		0	Source: Law Enforcement
Numerous trees and wires reported down.				
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SHIAWASSEE COUNTY --- 2.0 WSW BYRON [42.81, -83.99]				
	05/29/11 16:38 EST		0	Thunderstorm Wind (EG 65 kt)
	05/29/11 16:38 EST		0	Source: Trained Spotter
Large trees and tree limbs reported blown down.				
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LIVINGSTON COUNTY --- 0.5 W BRIGHTON [42.53, -83.78]				
	05/29/11 16:40 EST		3K	Thunderstorm Wind (EG 54 kt)
	05/29/11 16:40 EST		0	Source: Trained Spotter
A large tree was blown down across US-23.				
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MONROE COUNTY --- 4.0 WNW SAMARIA [41.82, -83.65]				
	05/29/11 16:40 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 16:40 EST		0	Source: Trained Spotter
Eight to twelve inch diameter trees reported blown down.				
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MONROE COUNTY --- 0.7 S TEMPERANCE [41.77, -83.57]				
	05/29/11 16:41 EST		0	Thunderstorm Wind (EG 50 kt)
	05/29/11 16:41 EST		0	Source: Trained Spotter
Multiple 3 inch diameter tree branches blown down.				
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LIVINGSTON COUNTY --- 0.7 N HARTLAND [42.66, -83.75]				
	05/29/11 16:42 EST		15K	Thunderstorm Wind (EG 65 kt)
	05/29/11 16:42 EST		0	Source: Trained Spotter
Estimated 50 to 70 trees blown down across Tyrone Township.				
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LIVINGSTON COUNTY --- 1.2 NW GREEN OAK [42.49, -83.70]				
	05/29/11 16:42 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 16:42 EST		0	Source: Trained Spotter
A 10 inch diameter tree limb was blown down over the road.				
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GENESEE COUNTY --- 2.1 N ARGENTINE [42.81, -83.83]				
	05/29/11 16:45 EST		3K	Thunderstorm Wind (EG 58 kt)
	05/29/11 16:45 EST		0	Source: Fire Department/Rescue

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Trees reported blown down along with a power line.				
SHIAWASSEE COUNTY --- 0.9 NE BYRON [42.83, -83.94]				
	05/29/11 16:45 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 16:45 EST		0	Source: Trained Spotter
A 3 foot diameter tree was reported down.				
GENESEE COUNTY --- 0.5 W GAINES [42.87, -83.91]				
	05/29/11 16:46 EST		0	Thunderstorm Wind (EG 56 kt)
	05/29/11 16:46 EST		0	Source: Trained Spotter
Numerous tree branches blown down, trampoline blown into neighbors yard.				
GENESEE COUNTY --- 0.7 N LINDEN [42.83, -83.77]				
	05/29/11 16:46 EST		5K	Thunderstorm Wind (EG 58 kt)
	05/29/11 16:46 EST		0	Source: Fire Department/Rescue
Trees and wires reported blown down.				
GENESEE COUNTY --- 1.5 SSE LINDEN PRICES ARPT [42.78, -83.76]				
	05/29/11 16:46 EST		0	Thunderstorm Wind (EG 56 kt)
	05/29/11 16:46 EST		0	Source: Trained Spotter
Trees reported blown down.				
MONROE COUNTY --- 0.7 S IDA [41.91, -83.57]				
	05/29/11 16:46 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 16:46 EST		0	Source: Trained Spotter
Multiple large tree limbs reported down.				
OAKLAND COUNTY --- 0.9 NW COMMERCE [42.59, -83.49]				
	05/29/11 16:50 EST		0	Thunderstorm Wind (EG 58 kt)
	05/29/11 16:50 EST		0	Source: Trained Spotter
Numerous 6 to 8 inch diameter trees limbs reported down.				
OAKLAND COUNTY --- HOLLY [42.80, -83.62]				
	05/29/11 16:50 EST		0	Thunderstorm Wind (EG 50 kt)
	05/29/11 16:50 EST		0	Source: Trained Spotter
Two to five inch diameter tree limbs blown down.				
OAKLAND COUNTY --- 0.9 W COMMERCE [42.58, -83.50]				
	05/29/11 16:56 EST		20K	Thunderstorm Wind (EG 61 kt)
	05/29/11 16:56 EST		0	Source: Public
Two large trees were blown down. One tree fell onto a back deck and hot tub and extended into a garage. The other tree destroyed a driveway.				
GENESEE COUNTY --- 2.0 SSW FLINT [43.00, -83.70]				
	05/29/11 17:00 EST		0	Thunderstorm Wind (EG 61 kt)
	05/29/11 17:00 EST		0	Source: Trained Spotter
A trained spotter estimated 70 mph thunderstorm wind gust.				
OAKLAND COUNTY --- PONTIAC [42.63, -83.28]				
	05/29/11 17:02 EST		10K	Thunderstorm Wind (EG 56 kt)
	05/29/11 17:02 EST		0	Source: Broadcast Media
A few trees were reported blown down, which took down power lines.				

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GENESEE COUNTY --- 1.2 NE GOODRICH [42.93, -83.48]				
	05/29/11 17:05 EST		0	Thunderstorm Wind (EG 54 kt)
	05/29/11 17:05 EST		0	Source: Fire Department/Rescue
A large tree was reported down.				
GENESEE COUNTY --- DAVISON [43.03, -83.52]				
	05/29/11 17:07 EST		0	Thunderstorm Wind (MG 64 kt)
	05/29/11 17:07 EST		0	Source: Trained Spotter
A trained spotter measured a 74 mph thunderstorm wind gust.				
WAYNE COUNTY --- 5.0 NNE DETROIT [42.40, -83.03]				
	05/29/11 17:12 EST		0.50K	Thunderstorm Wind (EG 53 kt)
	05/29/11 17:12 EST		0	Source: Broadcast Media
A large tree was reported blown down.				
LAPEER COUNTY --- 0.9 NW LAPEER [43.06, -83.33]				
	05/29/11 17:14 EST		50K	Thunderstorm Wind (EG 65 kt)
	05/29/11 17:14 EST		0	Source: State Official
House moved off foundation and apartments damaged. Numerous trees blown down.				
LAPEER COUNTY --- LAPEER [43.05, -83.32]				
	05/29/11 17:15 EST		0	Thunderstorm Wind (EG 61 kt)
	05/29/11 17:15 EST		0	Source: Trained Spotter
A trained spotter estimated a 70 mph thunderstorm wind gust.				
MACOMB COUNTY --- 0.7 S DISCO [42.67, -83.03]				
	05/29/11 17:21 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 17:21 EST		0	Source: Trained Spotter
A tree was reported blown down.				
MACOMB COUNTY --- 0.7 S DISCO [42.67, -83.03]				
	05/29/11 17:22 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/11 17:22 EST		0	Source: Trained Spotter
Numerous branches and a tree was reported blown down.				
A thunderstorm complex rolled through southeast Michigan during the peak heating of the day, resulting in scattered wind damage reports across the area. Embedded circulations within the line of thunderstorms lead to localized wind gusts to 80 mph, with even one confirmed tornado over southern Shiawassee county.				
MIDLAND COUNTY --- 1.2 SW OLSON [43.62, -84.45]				
	05/31/11 17:48 EST		0	Hail (1.00 in)
	05/31/11 17:48 EST		0	Source: Trained Spotter
MIDLAND COUNTY --- 1.2 SW AVERILL [43.66, -84.35]				
	05/31/11 18:06 EST		0	Hail (1.50 in)
	05/31/11 18:06 EST		0	Source: Trained Spotter
MIDLAND COUNTY --- 1.2 SE AVERILL [43.66, -84.31]				
	05/31/11 18:15 EST		0	Hail (1.00 in)
	05/31/11 18:15 EST		0	Source: Trained Spotter
MIDLAND COUNTY --- 3.0 E LARKIN [43.72, -84.19]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/31/11 18:15 EST		3K	Thunderstorm Wind (MG 71 kt)
	05/31/11 18:15 EST		0	Source: Trained Spotter
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LIVINGSTON COUNTY --- 1.4 N FOWLerville ARPT [42.74, -84.07]				
	05/31/11 18:25 EST		0	Hail (0.88 in)
	05/31/11 18:25 EST		0	Source: Trained Spotter
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MIDLAND COUNTY --- 1.6 WSW BOMBAY [43.72, -84.30]				
	05/31/11 18:25 EST		0	Hail (1.75 in)
	05/31/11 18:25 EST		0	Source: Trained Spotter
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BAY COUNTY --- 2.1 WNW BEAVER [43.71, -84.11], 1.3 ENE LINWOOD [43.74, -83.95]				
	05/31/11 18:26 EST		0.10M	Tornado (EF1, L: 8.38 mi , W: 200 yd)
	05/31/11 18:37 EST		0	Source: NWS Storm Survey
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BAY COUNTY --- 2.9 WNW CRUMP [43.77, -84.13]				
	05/31/11 18:27 EST		0	Hail (1.25 in)
	05/31/11 18:27 EST		0	Source: Trained Spotter
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MIDLAND COUNTY --- MIDLAND [43.62, -84.23]				
	05/31/11 18:30 EST		0	Hail (1.00 in)
	05/31/11 18:30 EST		0	Source: Trained Spotter
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HURON COUNTY --- 0.9 SE PORT AUSTIN [44.04, -82.99]				
	05/31/11 20:00 EST		0	Thunderstorm Wind (MG 54 kt)
	05/31/11 20:00 EST		0	Source: Trained Spotter

A spotter measured a 71 mph thunderstorm wind gust which uprooted trees.

The tornado was rated EF1 with maximum winds to 95 mph. The path width was 200 yards with a path length of 8.4 miles. The tornado started near Parish road and 11 mile road just west of the community of Beaver. The tornado then moved through Beaver, crossed Interstate 75, and finally across the south part of Linwood before moving out to Saginaw Bay at 737 pm. A barn was destroyed and homes were damaged near Beaver, mostly to garages and roofing material. Numerous trees were uprooted with snapped large limbs.

A trained spotter measured a 62 mph thunderstorm wind gust.

A few severe thunderstorms, including one tornadic cell, tracked across Midland and Bay counties and into Saginaw Bay, and finally impacting far northern Huron County.