



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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LAKE ERIE

LEZ444 Monroe Harbor			Mi Waters Of Lake Erie 04 1218EST		0	0			Marine Tstm Wind (MG37)
LEZ444 Stony Point			Mi Waters Of Lake Erie 06 1447EST		0	0			Marine Hail (0.75)
LEZ444 Monroe Harbor			Mi Waters Of Lake Erie 06 2020EST		0	0			Marine Tstm Wind (MG35)
LEZ444 North Cape			Mi Waters Of Lake Erie 07 1307EST		0	0			Marine Tstm Wind (MG37)
LEZ444 North Cape			Mi Waters Of Lake Erie 08 0303EST		0	0			Marine Tstm Wind (EG50)
LEZ444 Stony Point to Detroit River Light			Mi Waters Of Lake Erie 08 1400EST		0	0			Marine Tstm Wind (EG50)
LEZ444 Luna Pier			Mi Waters Of Lake Erie 21 0205EST		0	0			Marine Tstm Wind (EG40)
LEZ444 Stony Point to Detroit River Light			Mi Waters Of Lake Erie 21 1709EST		0	0			Marine Tstm Wind (EG52)

LAKE HURON

LHZ422 Saginaw River Mouth			Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi 04 1200EST		0	0			Marine Tstm Wind (EG50)
LHZ464 Port Huron			Lh Pt Sanilac To Pt Huron 5Nm Offshore To Intl Border 04 1313EST		0	0			Marine Tstm Wind (EG52)
LHZ443 Port Huron			Pt Sanilac To Pt Huron Mi 04 1313EST		0	0			Marine Tstm Wind (EG52)
LHZ422 Saginaw River Mouth			Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi 06 1913EST		0	0			Marine Hail (0.75)
LHZ422 Saginaw River Mouth			Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi 06 2035EST		0	0			Marine Tstm Wind (EG56)
LHZ422 Saginaw River Mouth			Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi 06 2045EST		0	0			Marine Tstm Wind (EG39)
LHZ421 Bay Port			Outer Saginaw Bay & Sw Of Alabaster To Pt Austin Mi 06 2115EST		0	0			Marine Tstm Wind (EG56)
LHZ464 Port Huron to Lakeport			Lh Pt Sanilac To Pt Huron 5Nm Offshore To Intl Border 06 2200EST		0	0			Marine Tstm Wind (EG52)
LHZ443 Port Huron to Lakeport			Pt Sanilac To Pt Huron Mi 06 2200EST		0	0			Marine Tstm Wind (EG52)

LAKE ST CLAIR

LCZ422 Algonac			St Clair River 04 0530EST		0	0			Marine Tstm Wind (EG50)
LCZ423 Ambassador Bridge			Detroit River 04 1245EST		0	0			Marine Tstm Wind (MG55)
LCZ460 Metropolitan Beach to			Lake St Clair (U.S. Portion) 04 1249EST		0	0			Marine Tstm Wind (MG39)



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LAKE ST CLAIR

New Baltimore

LCZ422	St Clair River								
City Of St. Clair	04	1251EST			0	0			Marine Tstm Wind (EG50)
LCZ422	St Clair River								
Port Huron	04	1313EST			0	0			Marine Tstm Wind (EG52)
LCZ422	St Clair River								
Port Huron	06	2200EST			0	0			Marine Tstm Wind (EG52)
LCZ423	Detroit River								
Detroit River Light to Grosse Ile	08	1352EST			0	0			Marine Tstm Wind (EG50)
LCZ423	Detroit River								
Belle Isle to Ambassador Bridge	21	0010EST			0	0			Marine Tstm Wind (EG35)
LCZ460	Lake St Clair (U.S. Portion)								
Grosse Pointe	21	0010EST			0	0			Marine Tstm Wind (EG35)
LCZ422	St Clair River								
Marine City	21	1629EST			0	0			Marine Tstm Wind (EG52)

MICHIGAN, East

St. Clair County

Algonac	04	0530EST			0	0			Thunderstorm Wind (EG50)
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Spotters reported one tree and power pole blown down.

Shiawassee County

Perry	04	1115EST			0	0			Thunderstorm Wind (EG50)
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A trained spotter reported trees blown down.

Shiawassee County

Owosso	04	1121EST			0	0			Thunderstorm Wind (EG52)
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Law enforcement reported trees and wires blown down.

Livingston County

Pinckney	04	1125EST			0	0			Thunderstorm Wind (EG50)
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The public reported numerous trees blown down.

Shiawassee County

Corunna	04	1130EST			0	0			Thunderstorm Wind (EG52)
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Thunderstorm winds downed numerous trees and power lines.

Washtenaw County

Chelsea	04	1130EST			0	0			Thunderstorm Wind (EG55)
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The Fire Department reported large trees and power lines down.

Washtenaw County

Manchester	04	1131EST			0	0			Thunderstorm Wind (EG50)
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Spotters reported a tree blown down on M-52.

Livingston County

4 SE Howell	04	1132EST			0	0			Thunderstorm Wind (MG52)
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Genesee County

2 W Linden	04	1135EST			0	0			Thunderstorm Wind (EG55)
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A NWS employee reported two large trees blown down.

Genesee County

1 N Linden	04	1136EST			0	0			Thunderstorm Wind (EG50)
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A trained spotter reported four inch diameter trees and power lines blown down.



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					Killed	Injured	Property	Crops	
<u>MICHIGAN, East</u>									
Washtenaw County									
Saline	04	1136EST			0	0			Thunderstorm Wind (EG50)
			A trained spotter reported large limbs down.						
Lenawee County									
Adrian	04	1137EST			0	0			Thunderstorm Wind (EG50)
			Law enforcement reported trees blown down.						
Washtenaw County									
Ann Arbor	04	1137EST			0	0			Thunderstorm Wind (EG50)
			A trained spotter reported trees blown down.						
Washtenaw County									
Whitmore Lake	04	1140EST			0	0	50K		Thunderstorm Wind (EG55)
			A trained spotter reported a large tree blown onto a house, trapping the residents inside						
Genesee County									
Flint	04	1144EST			0	0			Thunderstorm Wind (MG54)
Saginaw County									
Saginaw	04	1150EST			0	0			Thunderstorm Wind (EG55)
			An estimated 50-foot tall maple tree broke a few feet above the ground and smashed into the windshield area of a vehicle, pinning the driver for more than an hour. Fallen trees or tree branches closed 27 streets in Saginaw, while another five were closed due to downed power lines.						
Washtenaw County									
Milan	04	1150EST			0	0			Thunderstorm Wind (EG52)
Washtenaw County									
4 N Milan	04	1150EST			0	0			Thunderstorm Wind (EG52)
			A trained spotter reported a tree blown onto the road.						
Washtenaw County									
Ypsilanti	04	1150EST			0	0			Thunderstorm Wind (EG52)
			A boat capsized on Ford Lake, but all of its passengers were rescued without incident.						
Washtenaw County									
3 NE Ypsilanti	04	1150EST			0	0			Thunderstorm Wind (EG52)
			A trained spotter reported trees and power lines blown down.						
Oakland County									
Walled Lake	04	1154EST			0	0			Thunderstorm Wind (EG50)
			Local media reported a tree blown onto a car.						
Oakland County									
White Lake	04	1200EST			0	0			Thunderstorm Wind (MG53)
Oakland County									
2 E Clarkston	04	1203EST			0	0			Thunderstorm Wind (EG52)
			A NWS employee and trained spotter reported numerous large tree limbs down.						
Monroe County									
Dundee	04	1204EST			0	0			Thunderstorm Wind (EG55)
			Law enforcement reported large trees and power lines blown down.						
Oakland County									
Pontiac Arpt	04	1204EST			0	0			Thunderstorm Wind (MG56)
Oakland County									
Southfield	04	1204EST			0	0			Thunderstorm Wind (EG50)
			A trained spotter reported power lines blown down.						



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<u>MICHIGAN, East</u>									
Wayne County Westland	04	1204EST			0	0			Thunderstorm Wind (EG50)
A trained spotter reported trees blown down.									
Oakland County Farmington	04	1206EST			0	0			Thunderstorm Wind (EG50)
A local television meteorologist reported tree limbs down.									
Wayne County Livonia	04	1207EST			0	0			Thunderstorm Wind (EG50)
Trained spotters reported a three foot tree blown down.									
Wayne County Northville	04	1210EST			0	0			Hail(1.00)
Wayne County Detroit	04	1211EST			0	0			Thunderstorm Wind (EG52)
A local television meteorologist reported a large tree blown down.									
Oakland County Bloomfield Hills	04	1213EST			0	0			Thunderstorm Wind (EG50)
A trained spotter reported large limbs down.									
Wayne County Wyandotte	04	1216EST			0	0			Thunderstorm Wind (EG52)
A trained spotter reported tree and power lines blown down.									
Oakland County Berkley	04	1220EST			0	0			Thunderstorm Wind (EG56)
Wayne County Detroit	04	1221EST			0	0			Thunderstorm Wind (MG55)
Macomb County Disco	04	1225EST			0	0			Thunderstorm Wind (EG50)
A trained spotter reported trees blown down.									
Lapeer County Dryden	04	1226EST			0	0			Thunderstorm Wind (EG50)
A trained spotter reported trees blown down.									
Wayne County Detroit	04	1226EST			0	0			Thunderstorm Wind (EG56)
A trained spotter reported large tree limbs down.									
Macomb County Macomb	04	1235EST			0	0			Thunderstorm Wind (EG52)
A trained spotter reported large limbs down.									
Macomb County Ray Center	04	1240EST			0	0			Thunderstorm Wind (EG52)
A trained spotter reported a large tree blown down.									
Macomb County St Clair Shrs	04	1241EST			0	0			Thunderstorm Wind (EG52)
A trained spotter reported large tree limbs down.									
Macomb County 2 NE Cady	04	1250EST			0	0			Thunderstorm Wind (EG55)
A large maple tree was blown down. The tree knocked out power and landed on a house									
St. Clair County Snyderville	04	1251EST			0	0			Thunderstorm Wind (EG50)
A trained spotter reported large limbs down.									



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MICHIGAN, East

St. Clair County									
Kimball	04	1300EST			0	0			Thunderstorm Wind (EG52)
A trained spotter reported large tree limbs down, as well as shingles off a roof.									
St. Clair County									
Marine City	04	1305EST			0	0			Thunderstorm Wind (EG52)
Law enforcement reported numerous trees down.									
St. Clair County									
Algonac	04	1306EST			0	0			Thunderstorm Wind (EG52)
Law enforcement reported trees and power lines blown down.									
St. Clair County									
Port Huron	04	1313EST			0	0	5K		Thunderstorm Wind (EG52)
A large tree limb, about 2 feet in circumference, crashed into a minivan, severing a power line on its way down.									

A very warm, moist and unstable airmass was in place on July 4th. This led to a few early morning storms which developed along the lake shores, including one that briefly produced severe winds in Algonac. Skies then cleared out during the morning of the 4th, allowing temperatures to soar into the upper 80s and lower 90s across southeast Michigan. Meanwhile, an MCS developed over MN during the overnight hours of July 3rd and quickly raced southeast. This thunderstorm complex moved through Lower Michigan during the late morning hours of the 4th. The very unstable airmass over southeast Michigan allowed the squall line to intensify as it moved through. Severe wind reports occurred from I-69 and points south. There was also one report of severe hail in Northville. The entire event lasted around two hours, leaving 170,000 customers in southeast Michigan without power.

Monroe County									
Carleton	06	1447EST			0	0			Hail(0.75)
Midland County									
Hope	06	1913EST			0	0			Hail(0.75)
Midland County									
Hope	06	1913EST			0	0			Thunderstorm Wind (EG50)
A trained spotter reported a power pole down.									
Bay County									
Bay City	06	2035EST			0	0	6K		Thunderstorm Wind (EG56)
Several large trees were blown down. One tree fell onto the roof of a home. Another tree fell onto a parked Asto van.									
Saginaw County									
1 E Birch Run	06	2050EST			0	0			Thunderstorm Wind (EG56)
A trained spotter reported tree limbs down.									
Tuscola County									
Akron	06	2100EST			0	0			Thunderstorm Wind (EG52)
A trained spotter reported trees blown down.									
Oakland County									
4 N Clarkston	06	2108EST			0	0			Thunderstorm Wind (EG56)
A trained spotter reported large tree limbs down.									
Huron County									
Sebewaing	06	2115EST			0	0			Thunderstorm Wind (EG56)
A trained spotter reported large tree limbs down.									
Tuscola County									
Vassar	06	2118EST			0	0			Thunderstorm Wind (EG56)
Law enforcement reported large tree limbs and wires down.									



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MICHIGAN, East

Genesee County

Mt Morris **06** **2120EST** **0** **0** **Thunderstorm Wind (EG50)**
A trained spotter reported a tree blown down.

Genesee County

Mt Morris **06** **2130EST** **0** **0** **Thunderstorm Wind (EG52)**
Law enforcement reported several trees blown down.

Tuscola County

Deford **06** **2139EST** **0** **0** **Thunderstorm Wind (EG52)**
Law enforcement reported several trees blown down.

Lapeer County

North Branch **06** **2140EST** **0** **0** **Thunderstorm Wind (EG52)**
Law enforcement reported trees and power lines blown down.

St. Clair County

Capac **06** **2200EST** **0** **0** **Thunderstorm Wind (EG52)**
A trained spotter reported 5 inch tree limbs down.

A thunderstorm complex developed over southern WI and northern IL on the 6th. These storms moved into southeast Michigan during the evening hours. The environment was most unstable over the Saginaw valley and thumb regions. Thus, most of the severe wind events were north of I-69.

Lenawee County

Morenci **07** **1230EST** **0** **0** **Thunderstorm Wind (EG50)**
Local law enforcement reported a wire blown down.

Lenawee County

2 NE Springville **08** **0242EST** **0** **0** **Thunderstorm Wind (EG54)**
A trained spotter estimated winds of 60 to 65 mph on Sand Lake.

Monroe County

2 S Luna Pier **08** **0303EST** **0** **0** **Thunderstorm Wind (EG50)**
Local law enforcement reported a tree blown down on the Lost Peninsula

Washtenaw County

Manchester **08** **1305EST** **0** **0** **Thunderstorm Wind (EG55)**
Local law enforcement reported large tree limbs and wires down.

Washtenaw County

3 W Manchester **08** **1305EST** **0** **0** **Thunderstorm Wind (EG55)**
Trained spotters reported a two and half foot tree blown down.

Washtenaw County

2 E Manchester **08** **1310EST** **0** **0** **Thunderstorm Wind (EG55)**
A trained spotter reported trees and wires down.

Washtenaw County

.5 N Manchester **08** **1314EST** **0** **0** **Thunderstorm Wind (MG54)**

Washtenaw County

Saline **08** **1330EST** **0** **0** **Thunderstorm Wind (EG55)**
A trained spotter reported trees and large limbs down.

Monroe County

Milan **08** **1345EST** **0** **0** **Thunderstorm Wind (EG55)**
Local law enforcement reported trees and power lines down.

Wayne County

Sumpter **08** **1352EST** **0** **0** **Thunderstorm Wind (EG55)**
Emergency management reported numerous trees down.



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<u>MICHIGAN, East</u>									
Monroe County 5 SE Milan	08	1353EST			0	0			Thunderstorm Wind (EG55)
			Spotters reported several trees and large limbs down.						
Monroe County 2 W Monroe	08	1400EST			0	0			Thunderstorm Wind (EG52)
			A trained spotter reported large limbs and small trees blown down.						
Wayne County Dearborn	13	1640EST			0	0			Thunderstorm Wind (EG50)
			The local media reported wires down.						
Midland County Coleman	17	1459EST			0	0			Thunderstorm Wind (EG52)
			A trained spotter reported trees and limbs blown down.						
Saginaw County 1 N Freeland	17	1543EST			0	0			Hail(0.88)
Saginaw County Freeland	17	1543EST			0	0			Thunderstorm Wind (EG56)
			Trees and power lines blew down and some property owners reported damage to their barns and homes.						
Washtenaw County Chelsea	21	0005EST			0	0			Thunderstorm Wind (EG54)
			A trained spotter reported numerous trees down.						
Monroe County Ida	21	0153EST			0	0			Thunderstorm Wind (EG50)
			Public reported a tree blown down.						
Monroe County 3 SW Monroe	21	0205EST			0	0			Thunderstorm Wind (EG52)
			The emergency manager reported numerous trees blown down.						
Genesee County 3 S Davison	21	1415EST			0	0			Hail(0.75)
Lapeer County Hadley	21	1435EST			0	0			Hail(0.75)
Lapeer County Almont	21	1455EST			0	0			Hail(1.00)
Lapeer County Almont	21	1455EST			0	0			Thunderstorm Wind (EG55)
			Spotters reported several large trees blown down						
St. Clair County .5 SE Allenton	21	1515EST			0	0			Thunderstorm Wind (EG60)
			Local law enforcement and media reported several large trees blown down. Most of the damage was around Hough Road. Trees were uprooted and soybean plants were stripped of their leaves.						
St. Clair County 5 S Capac	21	1515EST			0	0			Hail(1.75)
Oakland County Holly	21	1520EST			0	0			Hail(0.75)
Oakland County Holly	21	1520EST			0	0			Thunderstorm Wind (EG55)
			The public reported several large trees and limbs down.						



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MICHIGAN, East

Macomb County

Richmond	21	1600EST			0	0			Hail(1.00)
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Washtenaw County

2 S Manchester	21	1610EST			0	0			Thunderstorm Wind (EG50)
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The emergency manager reported 4 two foot trees blown down.

St. Clair County

Marine City	21	1629EST			0	0			Thunderstorm Wind (EG52)
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The emergency manager reported several wires down.

Lenawee County

5 E Clinton	21	1636EST			0	0			Hail(0.75)
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Monroe County

Maybee	21	1709EST			0	0			Thunderstorm Wind (EG52)
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Local law enforcement reported several trees blown down.

A warm and unstable airmass lingered over southeast Michigan during the early morning hours of the 21st. Storms left over from the daytime were moving east along the Ohio border. An outflow boundary then moved north into Washtenaw and Wayne counties. This provided the focus for a severe storm in Washtenaw county. The best storm of the night got organized from another batch of activity along the Ohio border and formed into a nice supercell right on the Lenawee/Monroe county line.

Although instability was initially minimized by morning cloud cover on the 21st, sunshine was able to filter through a thinning cirrus canopy by early afternoon. This, combined with a relatively warm and moist southwest flow, allowed temperatures to climb into the upper 70s and dewpoints to reach the mid 60s.

A warm front draped along the I 69 corridor became the focus for numerous thunderstorms during the afternoon. Strong upper level winds lead to supercell development, producing damaging wind, large hail and very heavy rainfall as they moved slowly southeast into northern parts of metro Detroit by early evening.

Thunderstorms also formed along a cold front in southwest Lower Michigan. This activity intensified as it moved into areas along and south of I 94 by early evening. A small bow echo eventually formed as this convective line tracked through Lenawee and Monroe counties. A number of reports of wind damage were reported with this activity. All significant thunderstorm activity exited the region by around 7 pm as the cold front swept southeast of the area.

Monroe County

Dundee	21	1720EST			0	0			Lightning
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Emergency management reported a female struck by lightning on Meanwell road. The female was conscious at the time.