

Storm Data and Unusual Weather Phenomena - February 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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MICHIGAN, East

GENESEE (MI-Z061)

02/03/07 14:00 EST	0	Winter Weather
02/03/07 15:00 EST	0	

Brief whiteout conditions associated with a lake effect snow squall dumped a quick inch of snow as winds gusted to 40 MPH. This led to a 20 car collision on northbound US-23 in Fenton and Mundy townships near Thompson Road. The highway was shut down for 3 hours.

MIDLAND (MI-Z047), BAY (MI-Z048), HURON (MI-Z049), SAGINAW (MI-Z053), TUSCOLA (MI-Z054), SANILAC (MI-Z055), SHIAWASSEE (MI-Z060), GENESEE (MI-Z061), LAPEER (MI-Z062), ST. CLAIR (MI-Z063), LIVINGSTON (MI-Z068), OAKLAND (MI-Z069), MACOMB (MI-Z070), WASHTENAW (MI-Z075), WAYNE (MI-Z076), LENAWEЕ (MI-Z082), MONROE (MI-Z083)

02/03/07 16:00 EST	1	0.43M	Cold/Wind Chill
02/06/07 10:00 EST	170	0	

A bitter cold airmass blasted into the region on Saturday, February the 3rd and persisted through Tuesday, February the 6th. Temperatures through this period were 20 to 25 degrees below normal. Daytime temps struggled to reach 10 degrees while subzero temperatures occurred all 3 nights. Flint set 2 temperature records and was held to a daytime temperature less than 5 degrees for the first time in over 10 years. Winds of 15 to 25 MPH gusted as high as 35 MPH at times. After factoring in the winds, apparent temperatures ranged from 15 below to 25 below through nearly the entire event. Almost every school district in Southeast Michigan canceled school on Monday and most did the same on Tuesday, citing conditions too dangerous for the kids either walking to school or waiting outside for the bus. Area hospitals reported numerous cases of patients suffering from cold related illnesses. Most of the cases involved frostbite. At least one fatality was blamed on the cold weather. Frozen pipes and water main breaks occurred throughout all of Southeast Michigan, leaving many residents and business owners out in the cold. Area homeless shelters were filled to capacity. There were also many cases of fire sprinkler lines freezing and breaking, leading to flooding. AAA Michigan reported over 20,000 vehicle service calls due to the cold air, the most in nearly 10 years. Total damages were roughly estimated at \$425K, including electrical and mechanical damages to vehicles and property damages caused by flooding. Here are the official maximum and minimum temperatures observed at Detroit, Flint, and Saginaw, from the 4th through the 6th:

Detroit: 8/-2 on the 4th, 12/-4 on the 5th, 12/-3 on the 6th
 Flint: 4/-5 on the 4th, 9/-7 on the 5th, 11/-5 on the 6th
 Saginaw: 5/-7 on the 4th, 10/-7 on the 5th, 10/-6 on the 6th

Direct Fatalities: M50PH

ST. CLAIR (MI-Z063), OAKLAND (MI-Z069), MACOMB (MI-Z070), WASHTENAW (MI-Z075), WAYNE (MI-Z076), LENAWEЕ (MI-Z082), MONROE (MI-Z083)

02/13/07 13:00 EST	0	Winter Storm
02/14/07 06:00 EST	0	

GENESEE (MI-Z061), LAPEER (MI-Z062), LIVINGSTON (MI-Z068)

02/13/07 14:00 EST	0	Winter Weather
02/14/07 03:00 EST	0	

A low pressure system tracked from Arkansas to the Upper Ohio Valley and spread heavy snow north into Michigan. This Valentine's snowstorm marked the season's first snowfall over 2 inches for much of the affected area. Northeasterly winds frequently gusted to 30 MPH and created extensive blowing and drifting snow. In addition, temperatures were in the single digits with wind chill values around 15 below zero. The snow began Tuesday afternoon of the 13th and became heavy at times through the evening and into the early morning hours of the 14th. The winds made it extremely difficult to measure the snow, but trained spotters estimated 6 to 9 inches of snow fell on areas along and east of a line from Port Huron to Adrian. Snow drifts from 3 to 5 feet were reported across this same area. A number of county roads were impassable, prompting officials to close some roads. Several motorists had to be rescued when their vehicles became stuck in snow drifts in Lenawee County. Although lesser amounts of snow (3 to 5 inches) fell across Livingston, Genesee, and Lapeer Counties, numerous accidents and multiple cars in ditches were reported in those counties as well. Nearly all schools along and south of M-59, including Livingston County schools, closed on Valentine's Day due to the very poor road conditions. A 70 year old man from Roseville died (indirectly) of a heart attack while shoveling snow. The snow ended by sunrise on the 14th, but poor visibilities persisted for several more hours as the wind continued to blow the snow around. Here are some of the higher snowfall totals from each county:

- Morenci (Lenawee) 5.8 inches
- Dundee (Monroe) 8.4 inches
- Monroe (Monroe) 7.0 inches
- Ann Arbor (Washtenaw) 7.0 inches
- Wyandotte (Wayne) 8.5 inches
- Troy (Oakland) 7.0 inches

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Sterling Heights (Macomb) 8.2 inches				
Ruby (St Clair) 6.5 inches				
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SAGINAW (MI-Z053), TUSCOLA (MI-Z054), SHIAWASSEE (MI-Z060), GENESEE (MI-Z061), ST. CLAIR (MI-Z063), MACOMB (MI-Z070), WAYNE (MI-Z076)				
	02/25/07 04:00 EST		0	Winter Weather
	02/26/07 06:00 EST		0	
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MIDLAND (MI-Z047)				
	02/25/07 09:00 EST		0	Winter Storm
	02/26/07 08:00 EST		0	

A winter storm system over Iowa weakened as it moved northeast into northern Illinois. Waves of moisture in advance of the storm moved across Southeast Michigan on Sunday, February the 25th and during the early morning hours of the 26th. Extreme northwest portions of Midland County received mostly snow, with spotters reporting 9 inches on the ground by 0600EST on the 26th. Farther south, warmer air aloft resulted in a wintry mix of snow, sleet, and freezing rain. A glaze of ice coated roadways, sidewalks, and trees. Between one and two tenths of an inch of freezing rain and up to a half inch of sleet fell across northeastern portions of Wayne County and nearly all of Macomb and St Clair Counties, where dozens of accidents were reported. Deceptively icy roads also resulted in scores of accidents along and north of I-69, especially across Saginaw County. A teenage girl was killed (indirectly) when she lost control of her vehicle on an icy road in Davison Township Sunday evening.