Weather Briefing

February 12, 2015 (300 PM EDT)

National Weather Service

Detroit/Pontiac, MI

http://www.weather.gov/dtx

Email: w-dtx.webmaster@noaa.gov

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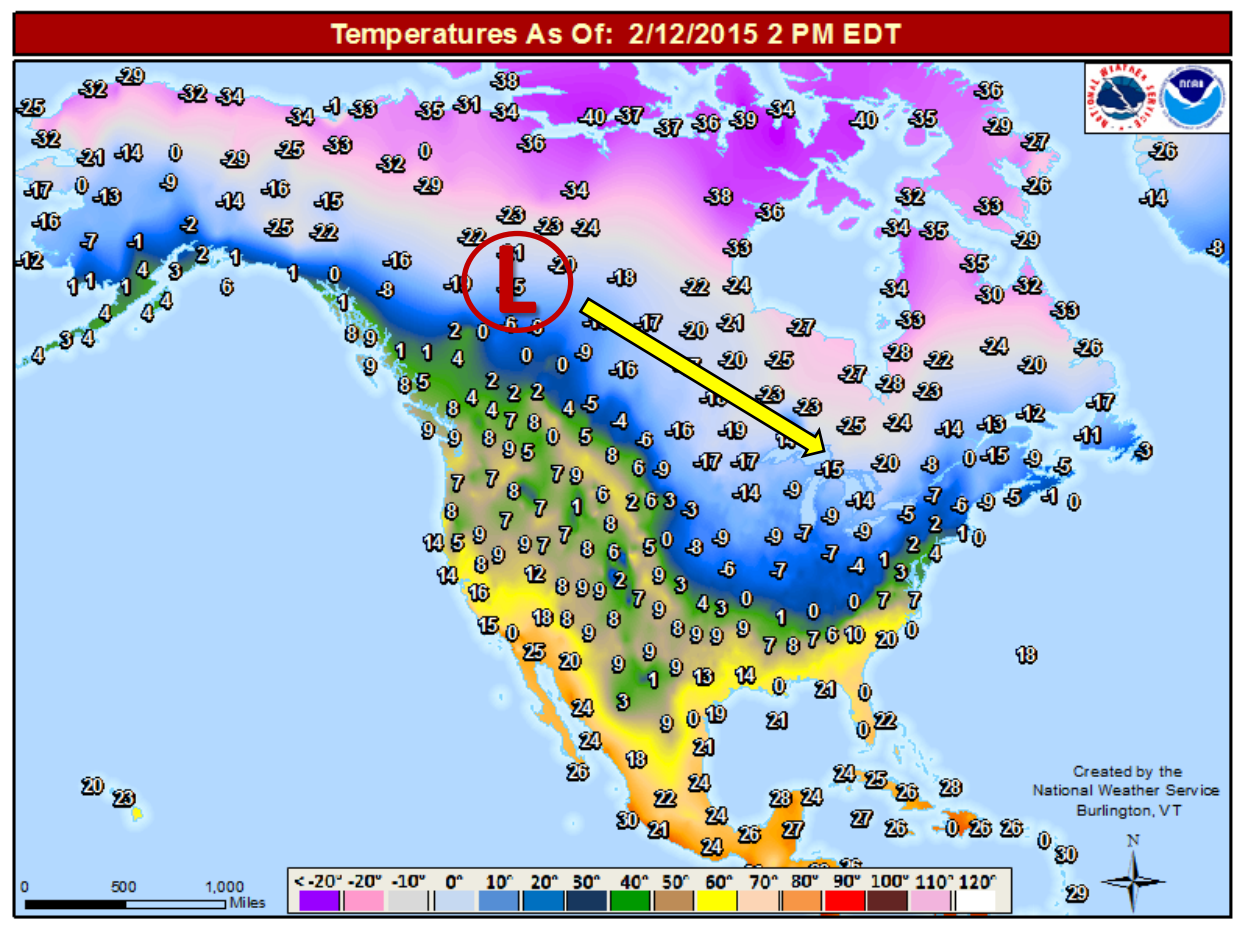
Weather Briefing

Even Colder Air to Arrive By The Weekend



Another surge of arctic air arrives early Saturday.

Stronger surge of arctic air will bring prolonged, dangerous cold for the weekend. Cold air may lead to frostbite, hypothermia, and freezing/bursting of exposed pipes.

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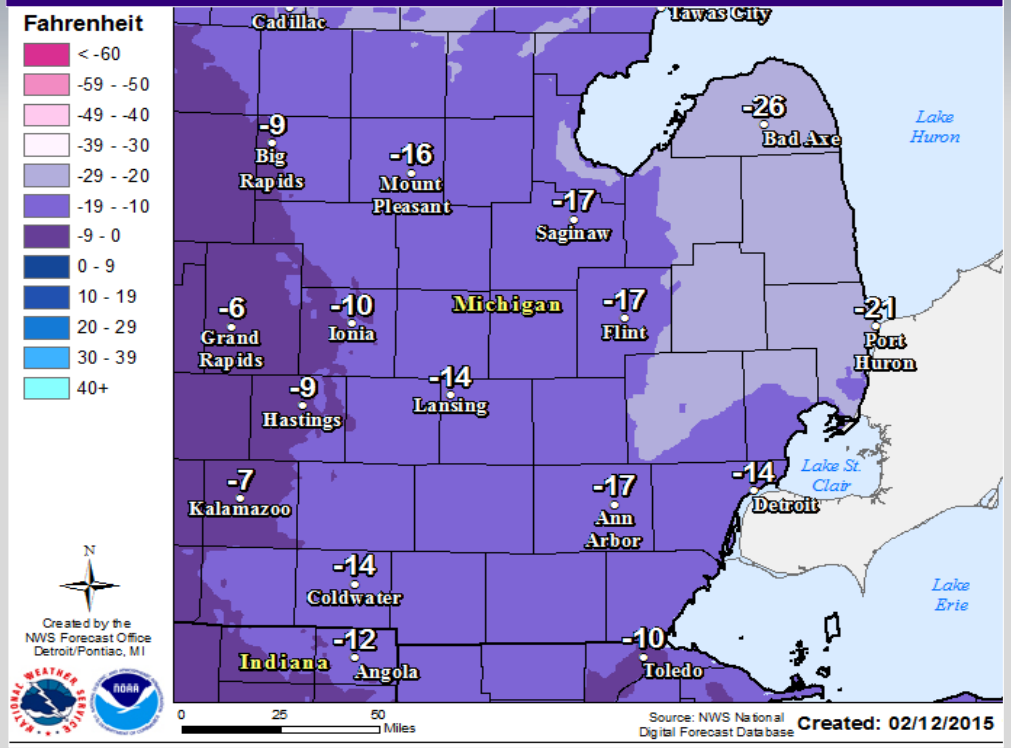
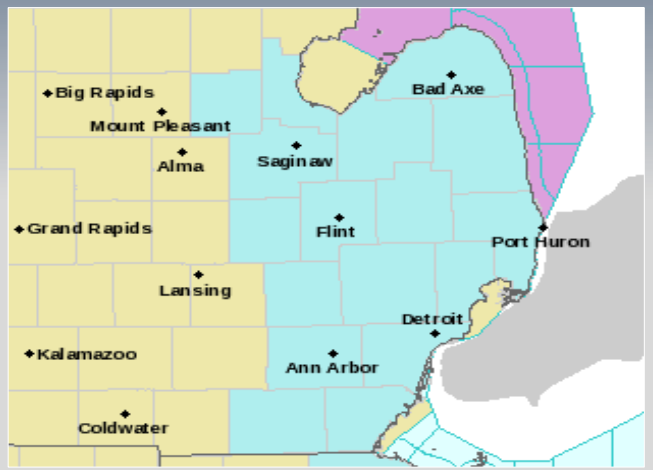
Wind Chills Tonight and Early Friday

Minimum Wind Chills Tonight-Friday Morning





Wind Chill Advisory until 11 AM Friday for all of Southeast Michigan

Wind (mph)	Temperature (°F)													
	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25
5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40
10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47
15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51
20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55
25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58
30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60
35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62
40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64

Frostbite Times: 30 minutes | 10 minutes | 5 minutes

Actual Temperatures: 0 to -12 for low temperatures

Winds: Decreasing to less than 10 mph overnight

Wind Chills: Minimum wind chills -10 to -25

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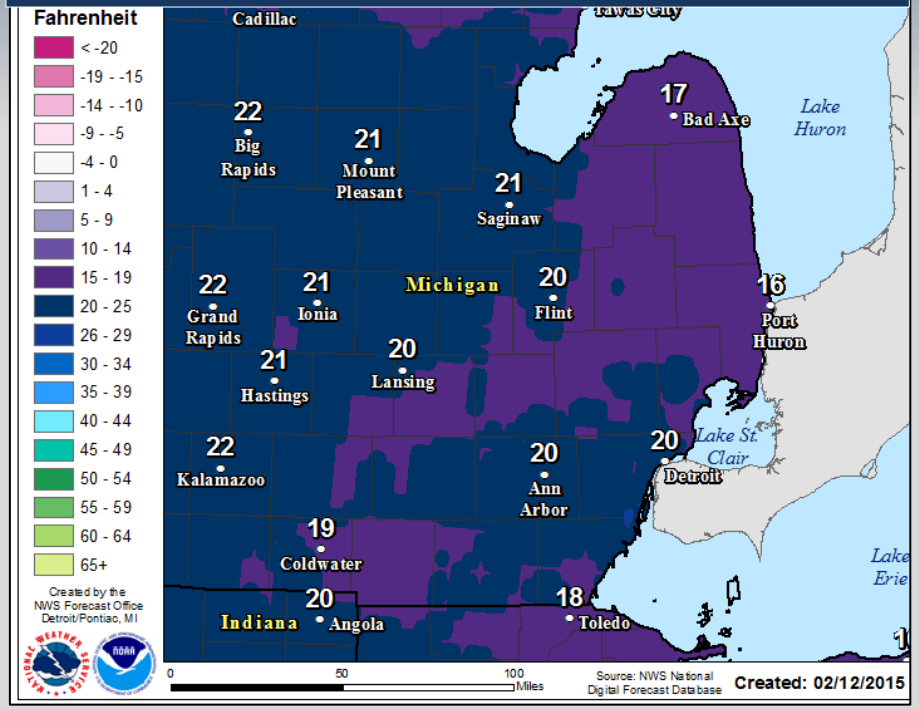
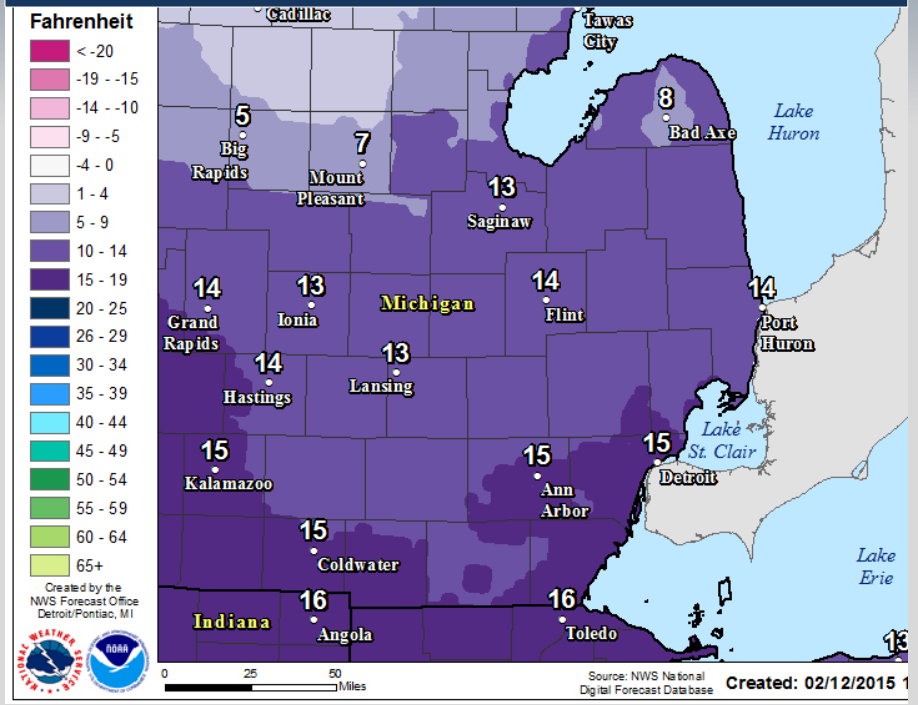
Not As Cold Friday with Light Snow Overnight

Actual High Temperatures Friday



Actual Low Temperatures Friday Night



Not quite as cold, but still well below normal Friday and Friday Night

- Wind chills: Warming into the single digits Friday
- Winds: 10 to 15 mph

Snow Friday Night through Saturday Morning

- Around one inch of accumulation for all of Southeast Michigan

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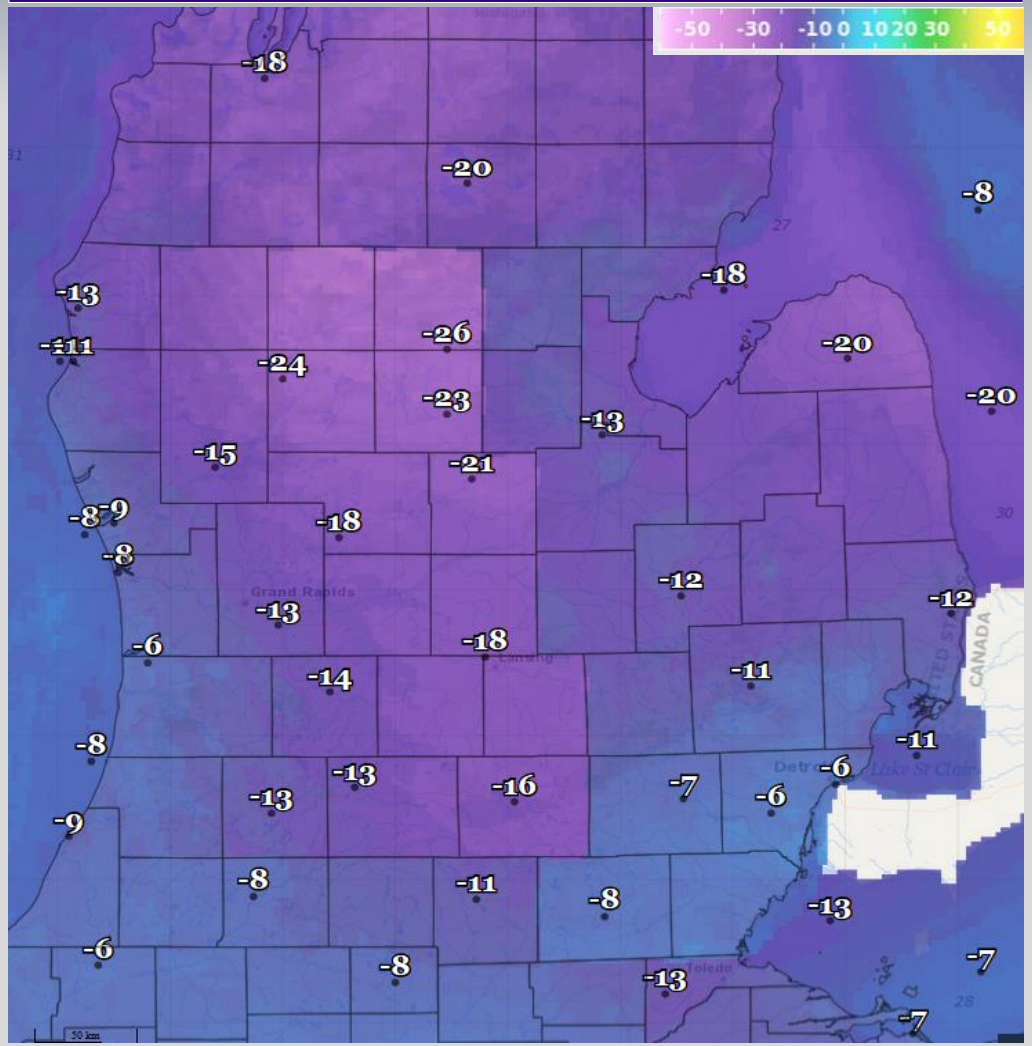
Strong Winds and Falling Temperatures Saturday

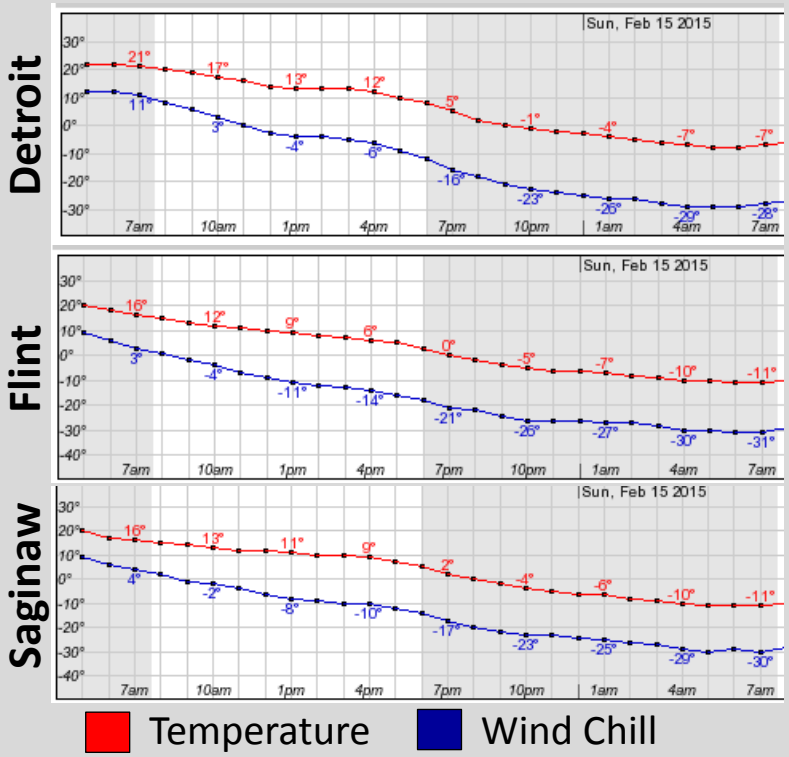
Wind Chills by 400 PM Saturday



STRONG WINDS DEVELOPING SATURDAY

Gusts potentially reaching 40 to 45 mph

Temperature and Wind Chill Trends Saturday:



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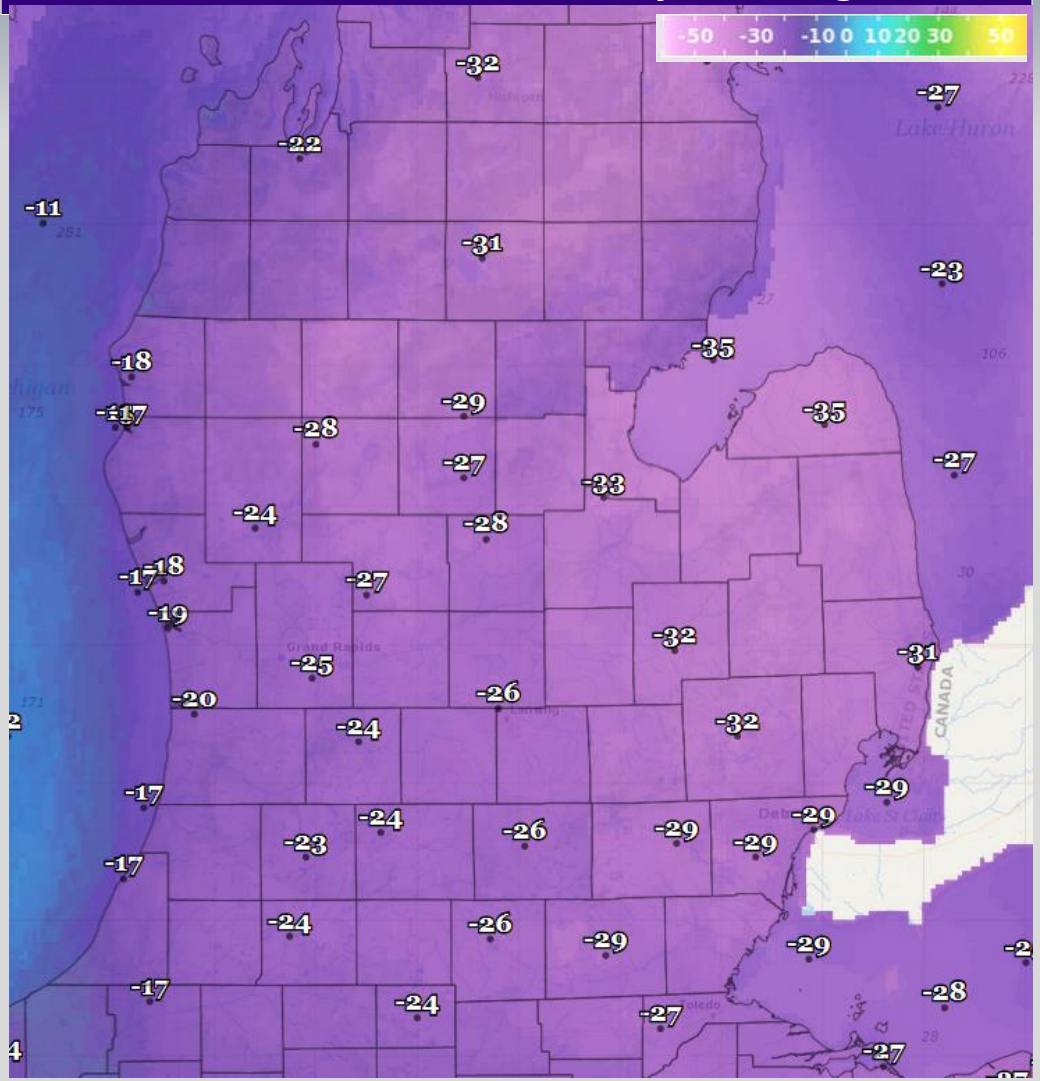
Dangerous Cold Continues Through Early Monday

Wind Chills 7 AM Sunday Morning



Dangerous Wind Chills for all of Southeast Michigan:

Saturday Night: -20 to -40

Sunday: Warming to -10 to -20 late in the day.

Sunday Night: -15 to -25

Additional Wind Chill Advisories or Watches/Warnings Likely.

Wind (mph) \ Temperature (°F)	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25
5		36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40
10		34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47
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40		27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64

Frostbite Times: 30 minutes | 10 minutes | 5 minutes

Weather Briefing

Records for Southeast Michigan

Detroit Area

Record Lows

February 15: -10 (1875)

February 16: -9 (1904)

Record Low Max Temp (Coldest High)

February 15: 6 (1905)

*Records since 1874

Flint Area

Record Lows

February 15: -7 (1943)

February 16: -13 (1963)

Record Low Max Temp (Coldest High)

February 15: 11 (1963)

*Records since 1921

Tri-Cities Area

Record Lows

February 15: -7 (2004)

February 16: -12 (1979)

Record Low Max Temp (Coldest High)

February 15: 8 (1920)

*Records since 1912

Weather Briefing
Summary

What	Where	Timing	Impacts
Dangerous Cold Wind chills -10 to -25	All of Southeast Michigan	Through Friday Morning	Frost Bite Hypothermia Freezing of Exposed Pipes
Snow Around one inch	All of Southeast Michigan	Friday Night through Early Saturday	Slippery Roads Reduced Visibilities
Winds 20-25 mph with gusts possibly as high as 45 mph	All of Southeast Michigan	Saturday Afternoon and Evening	Dangerous Wind Chills Isolated Power Outages Downed Tree Limbs More Difficult Driving
Dangerous Cold Wind Chills -20 to -40	All of Southeast Michigan	Saturday Night into Sunday	Frost Bite in as little as 10 minutes Hypothermia Freezing of Exposed Pipes

Additional Information

Local Hazards Page
http://www.weather.gov/detroit/svr.php

Great Lakes Marine Portal
http://www.weather.gov/greatlakes

Hourly Wind / Gust Probabilities
http://www.crh.noaa.gov/dtx/?n=pwind
http://www.crh.noaa.gov/dtx/?n=pgust

Hourly Snowfall Probabilities
http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities

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