



Weather Briefing

February 13, 2015



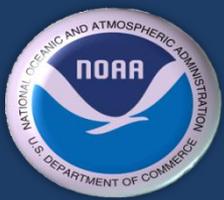
National Weather Service

Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

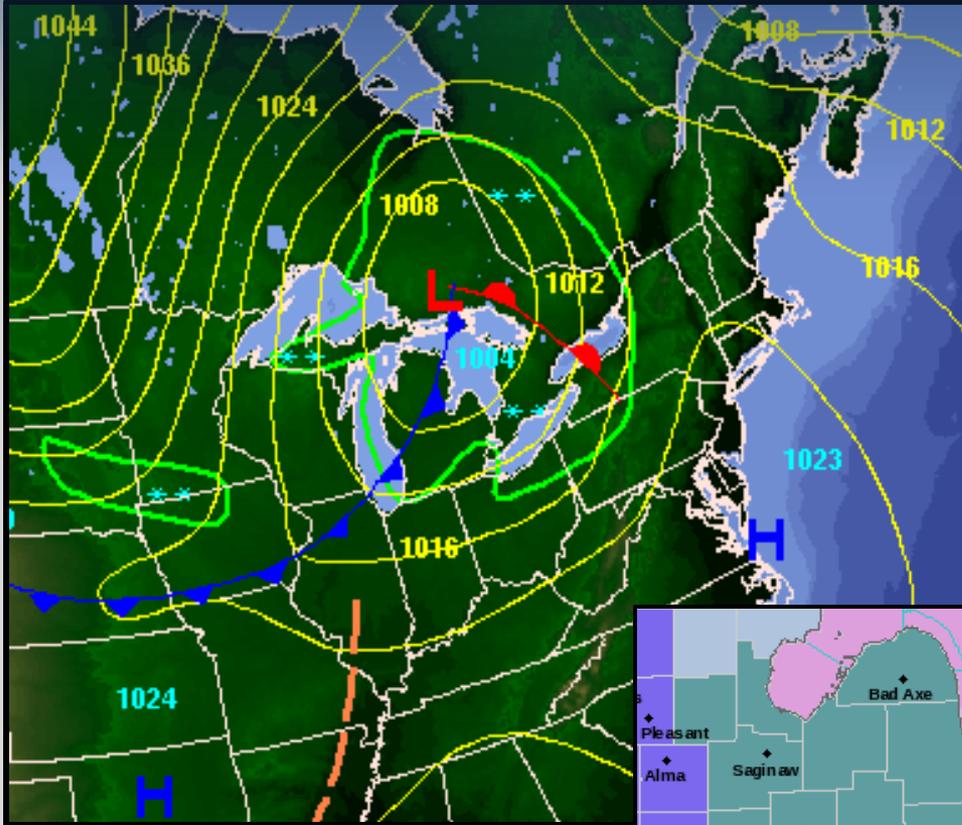
Email: w-dtx.webmaster@noaa.gov



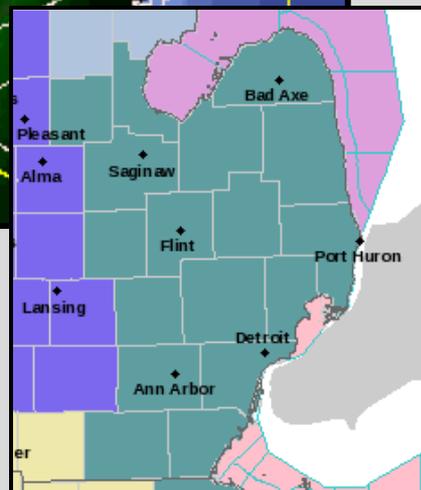


Weather Briefing

Highlights



Forecast Weather Map for
1AM Saturday



Wind Chill Watch for Southeast Michigan

Event Summary

Light Snow Starts Tonight

Snow Squalls Saturday Morning

Becoming Windy Saturday

**Dangerously Cold This
Weekend**

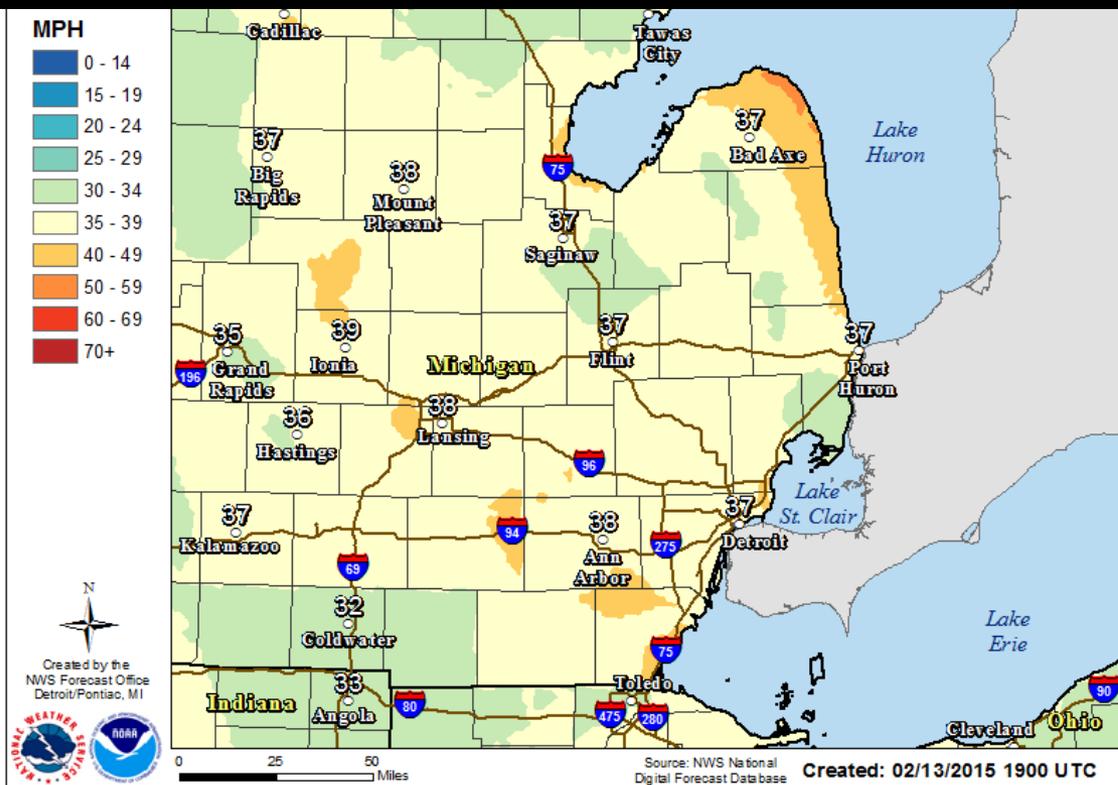


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Strong Winds Saturday



Maximum Wind Gust Expected Saturday

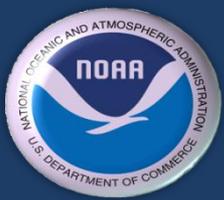


Strong north to northwest winds develop behind the cold front Saturday.

Timing: Sunrise-evening with peak speeds in afternoon

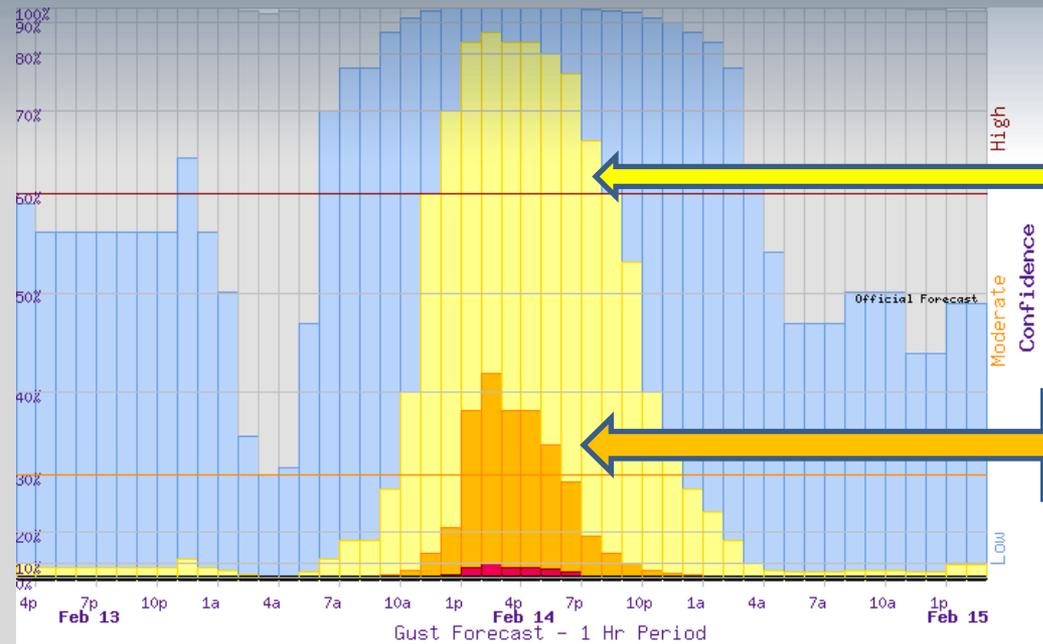
Speeds: Gusts 35 to 40 mph most of Southeast Michigan
Gusts to 45 mph possible in Huron, Tuscola, and Sanilac counties near Lake Huron

Impacts: Winds will create areas of blowing snow, dangerous wind chills, isolated power outages



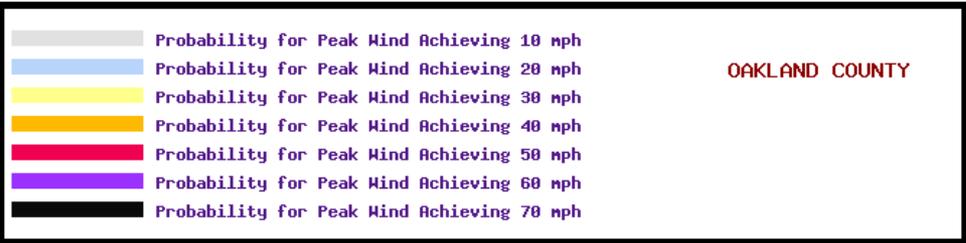
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Wind Gust Potential Saturday



High potential of gusts to 30 mph.

Low-Moderate potential of gusts to 40 mph.



Start	After sunrise
Peak	Afternoon-early evening
End	Mid-evening

Probabilistic Wind Forecast for Oakland County

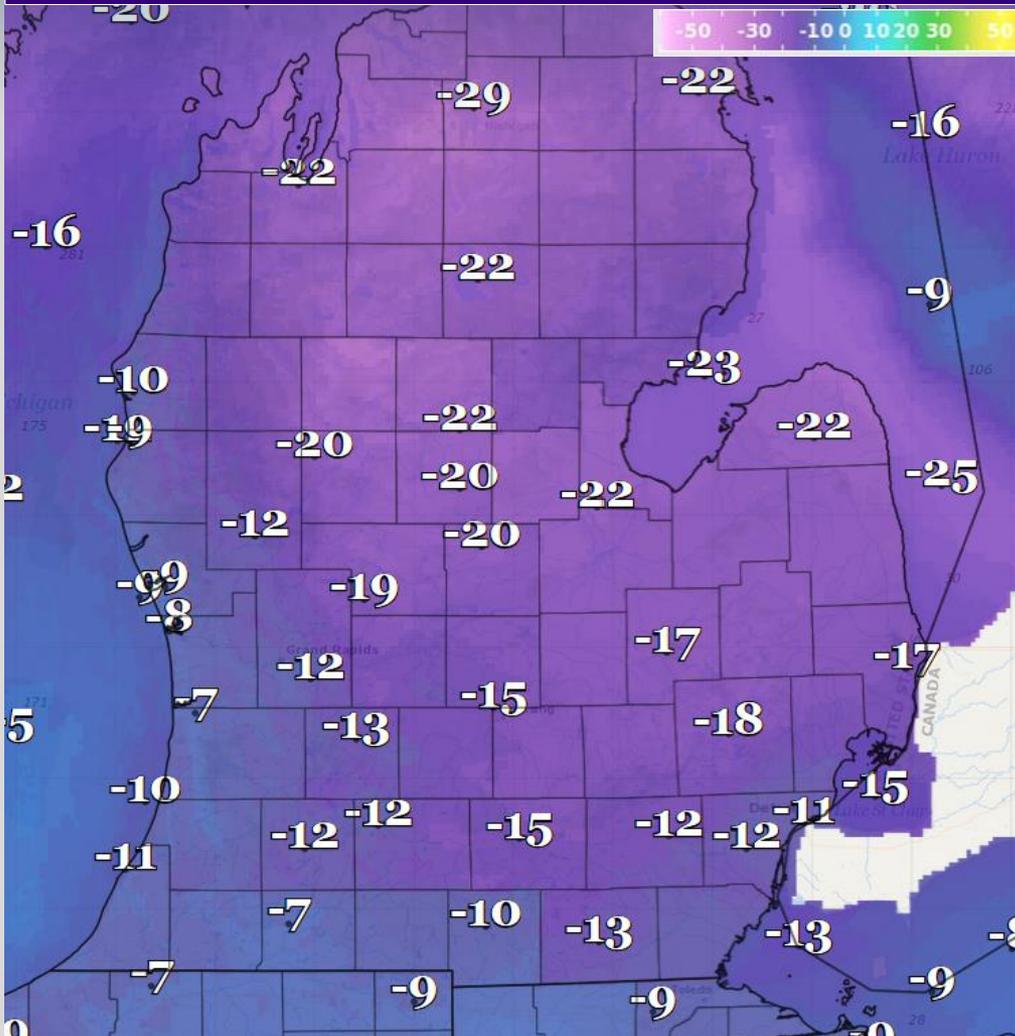


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Strong Winds and Falling Temperatures Saturday

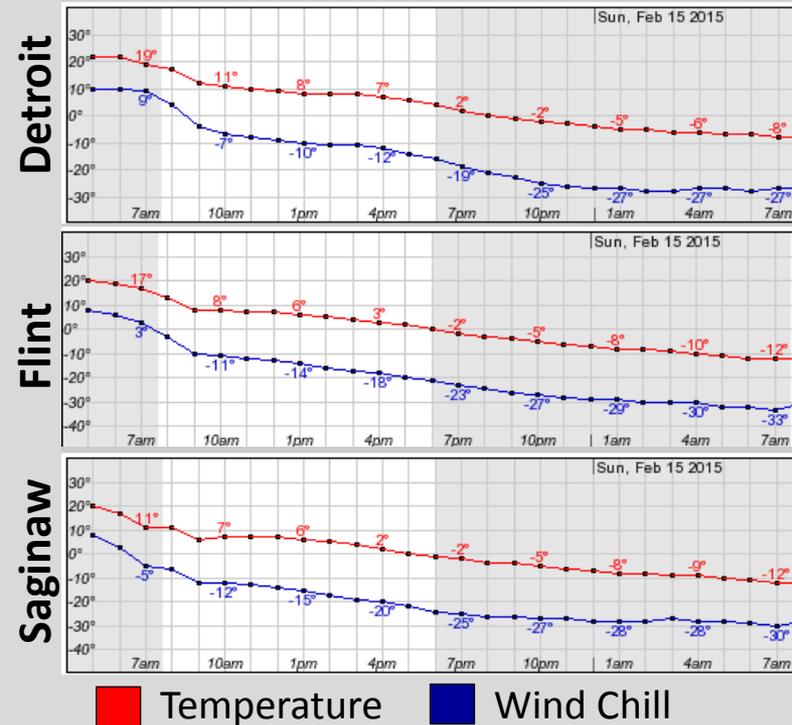


Forecast Wind Chills by 400 PM Saturday



STRONG WINDS AND VERY COLD AIR WILL CREATE DANGEROUS WIND CHILLS

Temperature and Wind Chill Trends Saturday and Saturday Night:



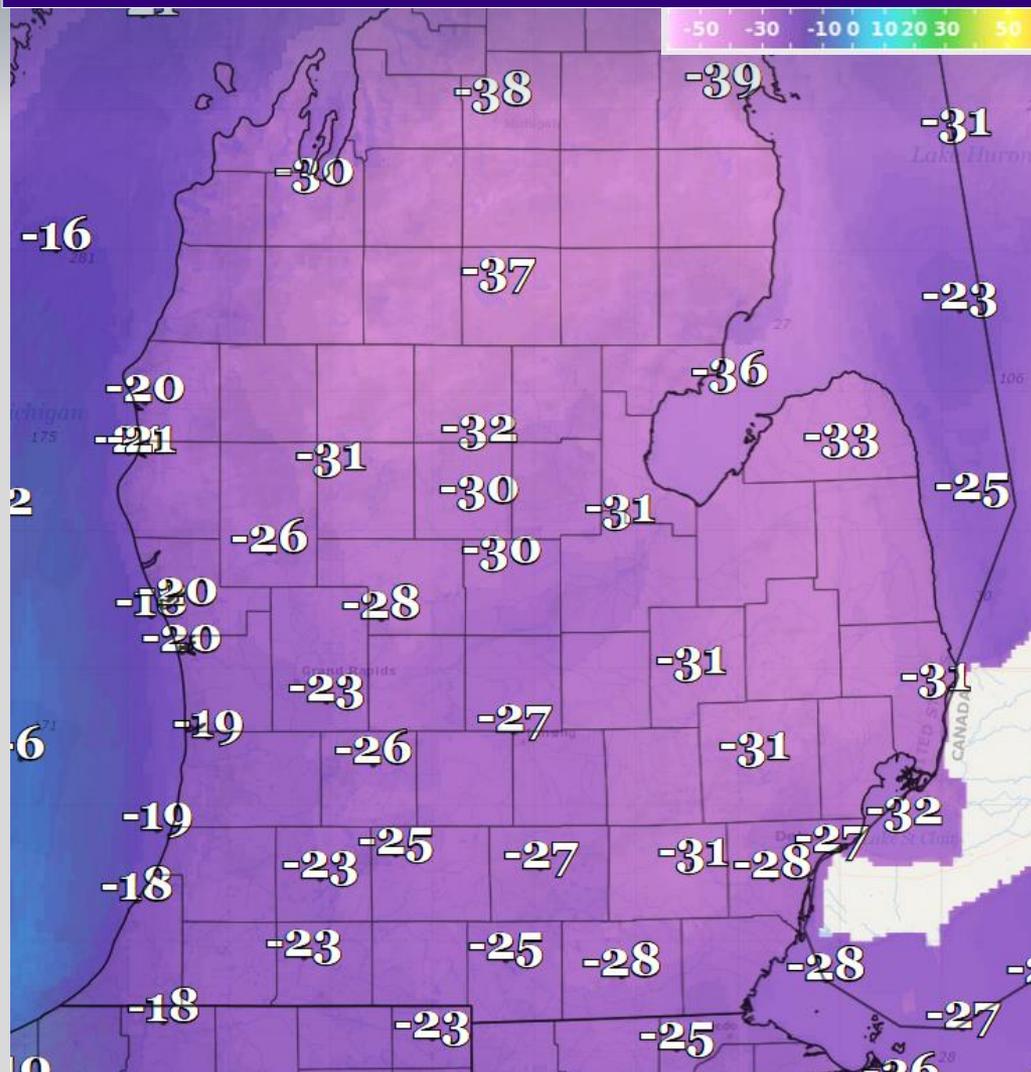


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Dangerously Cold Over the Weekend



Forecast Wind Chills 7 AM Sunday Morning



WIND CHILL WATCH FOR ALL OF SOUTHEAST MICHIGAN: Mid-Day Saturday through Sunday Morning

- Coldest Conditions Saturday Night
- Highs Sunday only -3 to 3

		Temperature (°F)														
		Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25
Wind (mph)	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	-21	-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 (light blue), 10 minutes (medium blue), 5 minutes (dark blue)



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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

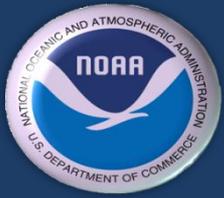
February 15: -7 (2004)

February 16: -12 (1979)

Record Low Max Temp (Coldest High)

February 15: 8 (1920)

*Records since 1912

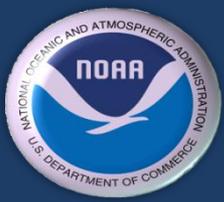


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Potential Impacts



Road Conditions	<ul style="list-style-type: none">• Some slippery roads Tonight and Saturday Morning.• Snow squalls possible Saturday Morning: Rapid reductions in visibilities with quick bursts of snow.• Blowing snow possible Saturday		
Extreme Cold	<ul style="list-style-type: none">• Prolonged outdoor exposure will lead to frost bite and hypothermia.		
Power Outage Potential	High	Medium	Low 
Blowing/Drifting Potential	High	Medium 	Low
Exposure Related Medical Emergencies	High 	Medium	Low



Weather Briefing Summary



What	Where	Timing	Impacts
Light Snow 1-2 inches	All of Southeast Michigan	Tonight through Early Saturday	Slippery Roads Reduced Visibilities
Snow Squalls	All of Southeast Michigan	2-Hour Window for Each Location between 4 AM-11AM	Rapid, Significant Reductions in Visibility Quick Bursts of Snow Gusty Winds
Winds 20-25 mph with gusts up to 40-45 mph	All of Southeast Michigan, Highest near the Lake Huron Shoreline	Saturday Morning Through Evening	Dangerous Wind Chills Areas of Blowing Snow More Difficult Driving
Dangerous Cold Wind Chills -20 to -35	All of Southeast Michigan	Mid-Day Saturday through Sunday Morning	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>

NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



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