



# Weather Briefing

## February 7, 2013



**National Weather Service**  
**Detroit/Pontiac, MI**

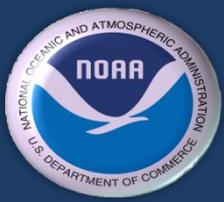
<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



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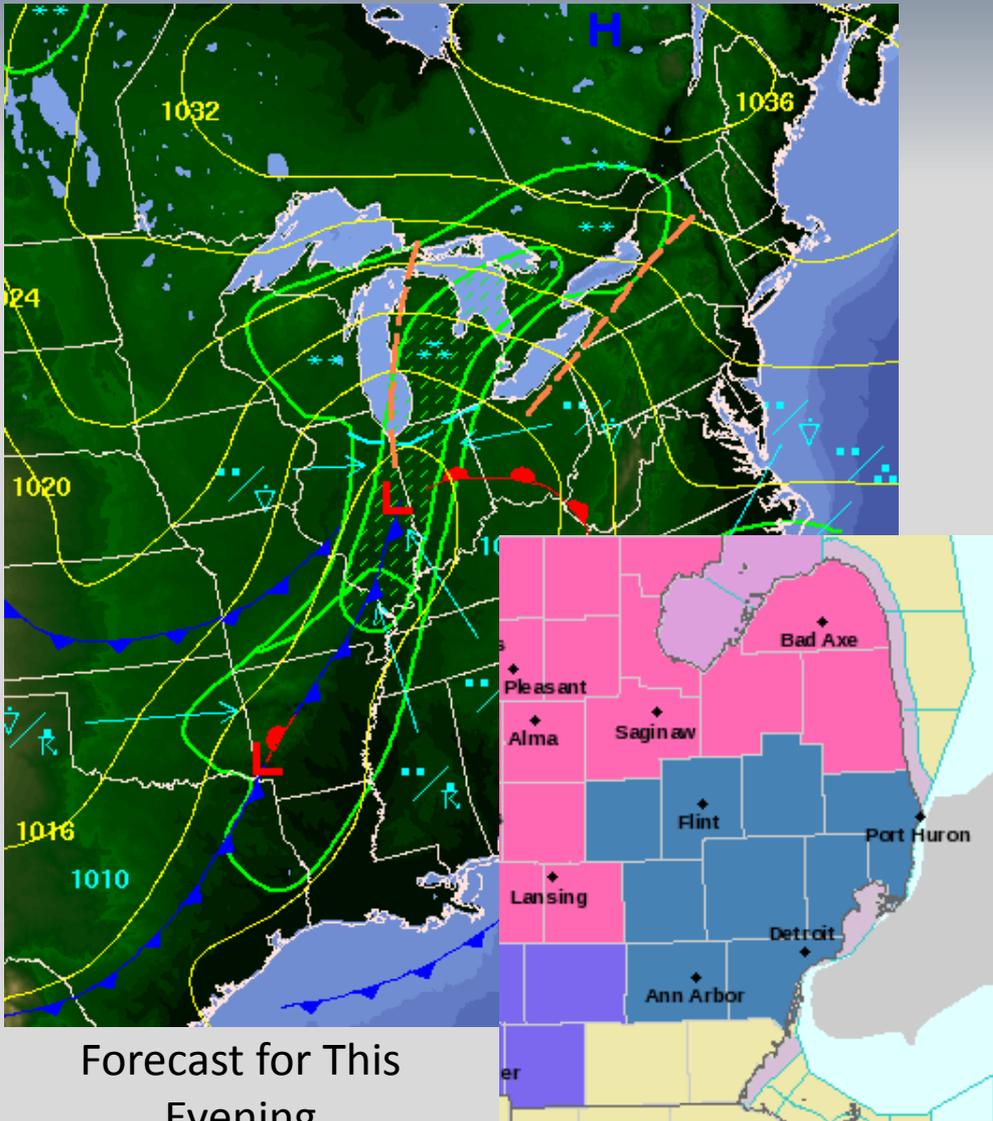
# Decision Support Briefing Highlights



## Event Summary

**Winter Storm Warning** for a prolonged heavy Snow event across Tri Cities and Thumb regions beginning this afternoon

**Winter Storm Watch** for mainly Tonight across a portion of Southeast Michigan that includes Detroit and Flint, for the potential of several hours of intense snowfall



Forecast for This  
Evening



# Winter Hazard Risk Assessment



**Extreme**

**High**



**Moderate**

**Low**

**This Event is a  
Rare Weather Event**

Large Disruption to Daily Life

Potentially Life Threatening

**Recovery Time**

Several Hours to a Day After the  
Weather Ends

**Extreme:**

- Historic Weather Hazard/Event
- Life Threatening
- Total disruption of daily life
- Recovery Time: days to one week

**High:**

- Rare Weather Hazard/Event
- Potentially Life Threatening
- Widespread disruption of daily life
- Recovery Time: hours to a day

**Moderate:**

- Occasional Weather Hazard/Event
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: +/- 6 hrs of when weather ends



# Potential Impacts

## Road Conditions

- Snow covered, especially after nightfall this evening
- Snow covered roads expected into the Friday morning commute
- Air temperatures in the upper 20s and lower 30s at the start of the snow
- Temperatures falling into the mid to upper 20s by Friday morning

<b>Power Outage Potential</b>	<b>High</b>	<b>Medium</b>	<b>Low</b> 
<b>Blowing/Drifting Potential</b>	<b>High</b>	<b>Medium</b>	<b>Low</b> 



# Timing of Winter Weather

Saginaw Valley



## Beginning

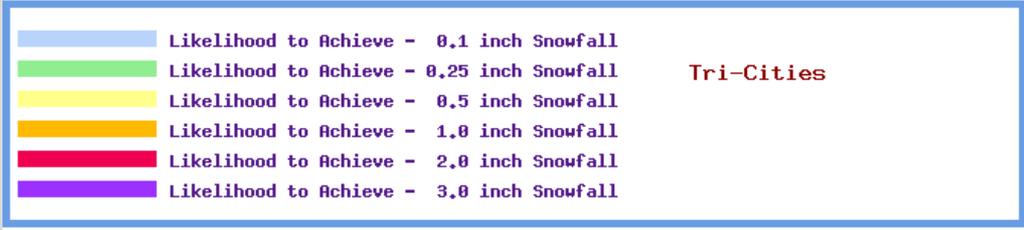
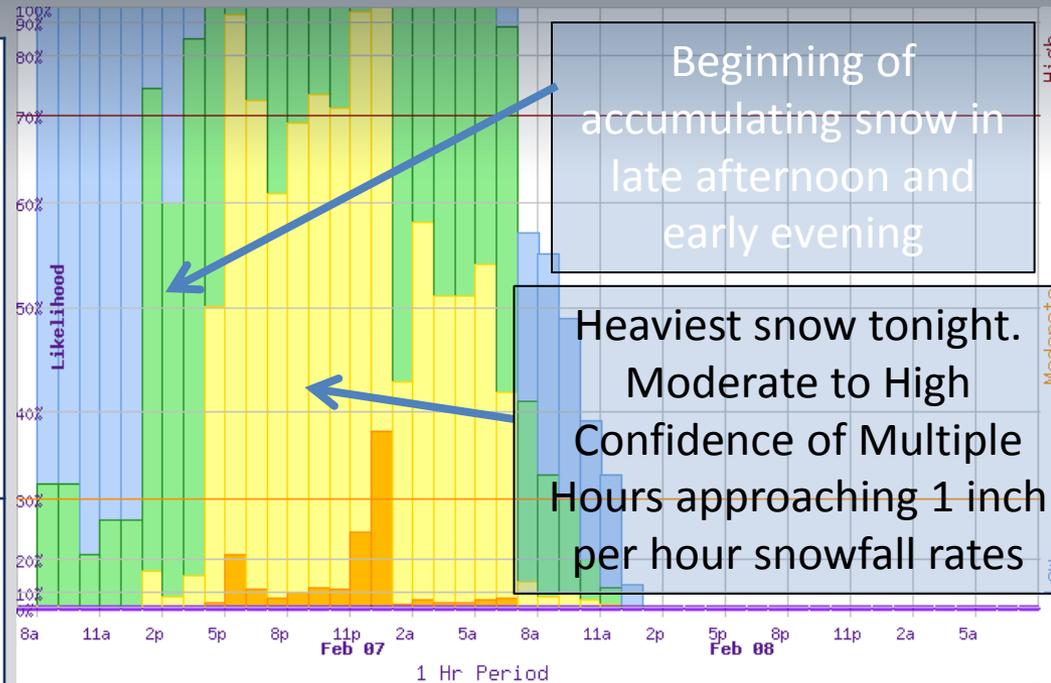
- Band of snow will set up over the Saginaw Valley early this afternoon
- This band of snow will swing across the rest of Southeast Lower MI tonight

## Heaviest

- Heaviest snow is expected between 8pm this afternoon and 8am Friday Morning

## Ending

- Snow will end from west to east Friday morning



Snowfall Timeline



# Timing of Winter Weather

Metro Detroit and Flint



## Beginning

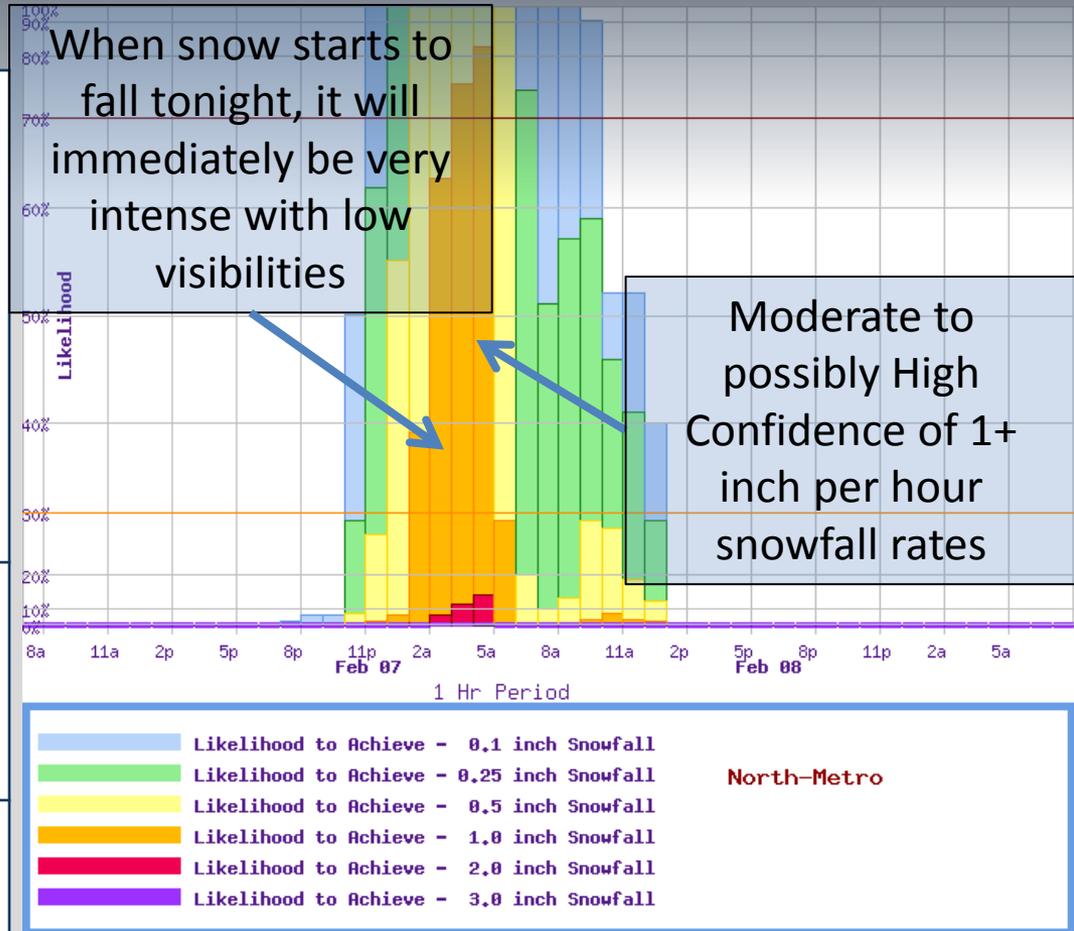
- Area of intense snow is expected to begin to affect Flint and Metro Detroit around midnight tonight
- Snow May be Mixed with Sleet across Ann Arbor and Detroit

## Heaviest

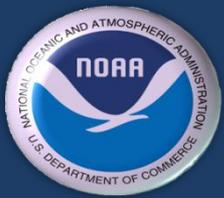
- Heaviest snow is expected between 1am and 8am Friday Morning

## Ending

- Snow will end Friday morning



Snowfall Timeline

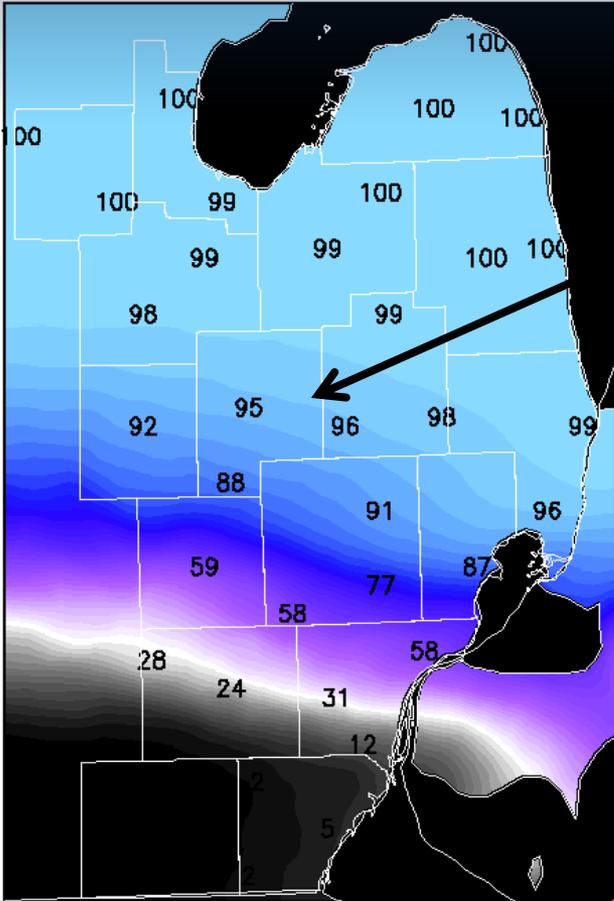


# Snowfall Confidence

## Storm Total



Storm PSnow (%) thru 02/08/2013 12EST

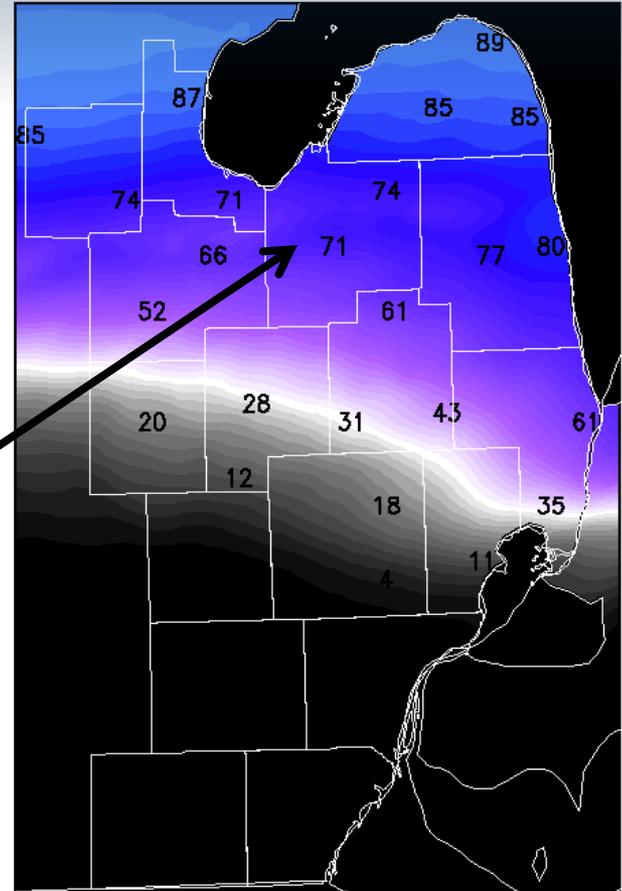


### AREA View

High confidence snowfall totals will achieve 4 inches.

Moderate / High confidence snowfall totals will achieve 8 inches

Storm PSnow (%) thru 02/08/2013 12EST

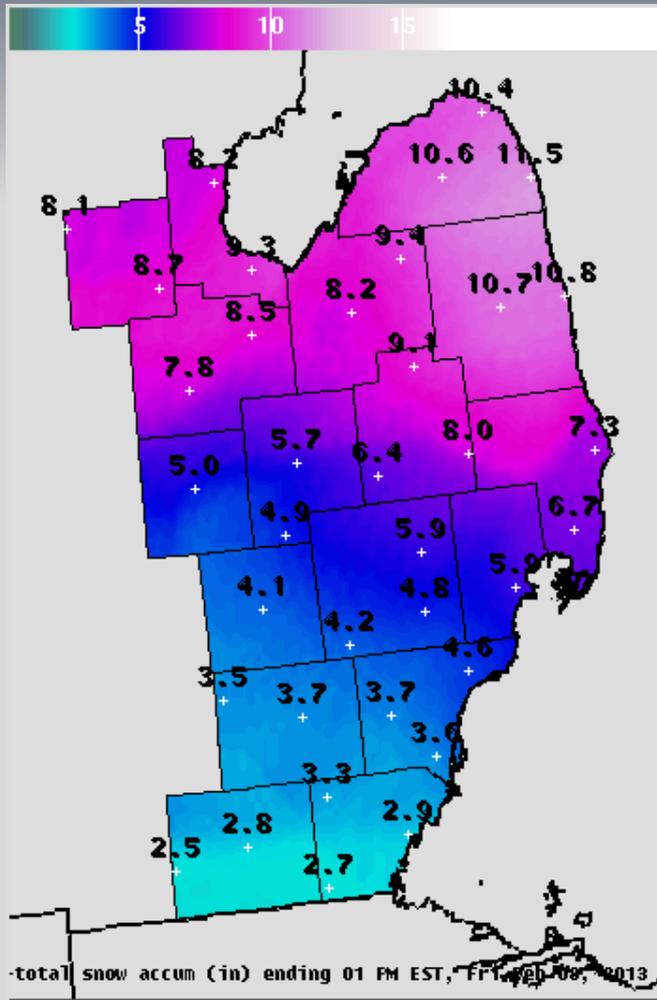




# Storm Total Snowfall



## This Afternoon through Friday Morning



Snow Total for the Thursday and Thursday Night (in inches)

### Potential Snow Accumulation

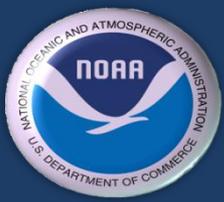
- 7 to 11 inches: Tri Cities and Thumb Regions
- Locally higher amounts near Lake Huron
- 3 to 7 inches: Remainder of Southeast Lower

### Type of Snow

Typical Water Content for Southeast Michigan...  
Wetter and Heavier than the past week's snowfalls

### Additional Hazards

- Some gusty winds for the Lake Huron Shoreline
- Visibilities will potentially be reduce to a ¼ mile or less during the heaviest of the snowfall



# Decision Support Briefing Summary



What	Where	Timing	Impacts
<b>Snow</b> 7-11 inches	Tri Cities and Thumb Regions	This Afternoon through Friday Morning	Snow covered roadways Reduced Visibilities
<b>Snow</b> 3-7 inches	Rest of Southeast Lower Michigan	Overnight to Friday Morning	Many Snow covered roadways Reduced Visibilities



# Additional Information



**Local Hazards Page**

<http://www.weather.gov/detroit/svr.php>

**Great Lakes Marine Portal**

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

**Hourly Wind Probabilities**

<http://www.crh.noaa.gov/dtx/?n=pwind>

**Hourly Snowfall Probabilities**

<http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities>

**NWS Detroit/Pontiac, MI**

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

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



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