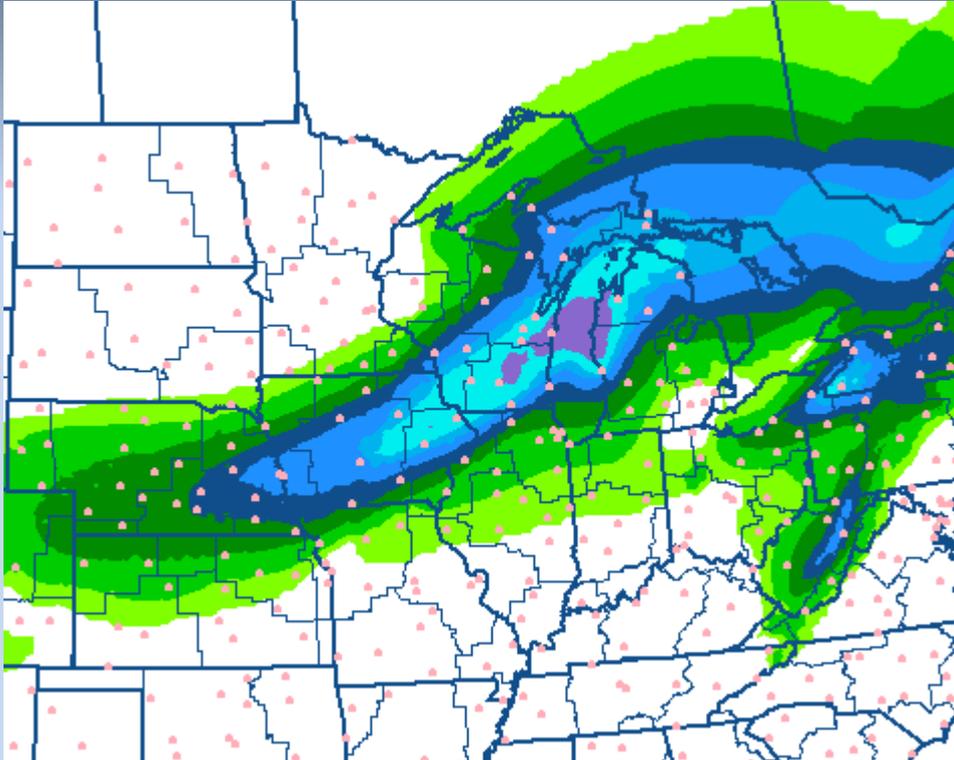




# Snow and Winds Thursday-Friday



Slide #1



Blues and purple = heavier snow potential

## Event Summary

Some significant snow / winds

Thursday – Friday

West central Lower MI /  
lakeshore

**Created: Wednesday, December 19, 2012 – 100 PM**

NOAA National Weather Service - Grand Rapids, Michigan

Website: <http://www.weather.gov/grandrapids>

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

Phone: 616-949-0643

 Find us on  
Facebook





# Winter Hazard Risk Assessment



Slide #2

Extreme

High

Moderate



Low

Weather Like this is  
**Common**

Typically Associated With  
**Some Disruption to Daily Life**

Threat to Life and Property  
**Sometimes threatening**

Usual Recovery Time  
**Near When Weather Hazard Ends**

## Extreme:

- Historic Weather – Once Every 20+ years
- Extremely Threatening to Life/Property
- Total disruption of daily life
- Recovery Time: days or weeks

## High:

- Rare Weather – 1 to 3 Times a Year
- Often Life Threatening
- Widespread disruption of daily life
- Recovery Time: 1 to 3 days

## Moderate:

- Common Weather Hazard/Event
- Sometimes directly life threatening
- Some disruption of daily life
- Recovery Time: Near/Before weather ends



# Confidence and Potential Impacts



Slide #3

<b>Confidence this Weather Will Occur</b>	<b>High</b>	<b>Medium</b> 	<b>Low</b>
---	-------------	---	------------

<b>Road Conditions</b>	<ul style="list-style-type: none"><li>• Deteriorating Thursday night as rain changes to snow</li><li>• Temperatures in the lower 30s Thursday night, upper 20s Fri. AM</li><li>• Road temperatures likely hovering around freezing</li></ul>
<b>Commutes Affected</b>	<ul style="list-style-type: none"><li>• Friday AM commute impacted</li><li>• Slick roads and slowed travel expected</li></ul>
<b>Additional Potential Impacts</b>	<ul style="list-style-type: none"><li>• Strong wind gusts in the 40 to 50 mph range, greater along shore</li><li>• Reduced visibilities in blowing snow</li></ul>

<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>

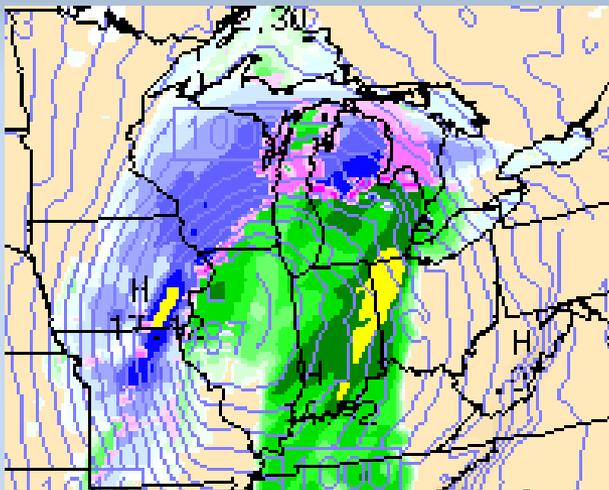


# Timing of Winter Weather

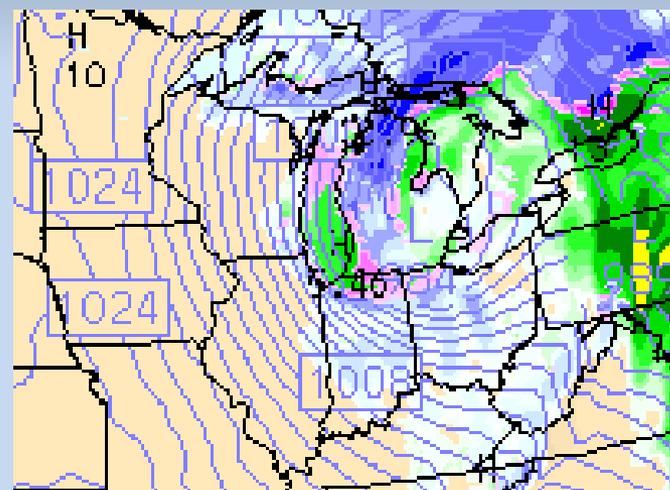


Slide #4

Weather Radar Forecast  
Thursday midday



Weather Radar Forecast  
Friday morning



## Beginning

- Mix of rain and snow tonight into Thursday morning
- Most areas become all rain later Thursday morning and afternoon
- Rain changes to snow from NW to SE Thursday afternoon into night

## Heaviest

- Heaviest snow is expected between midnight and noon Friday

## Ending

- Snow will wind down Friday afternoon

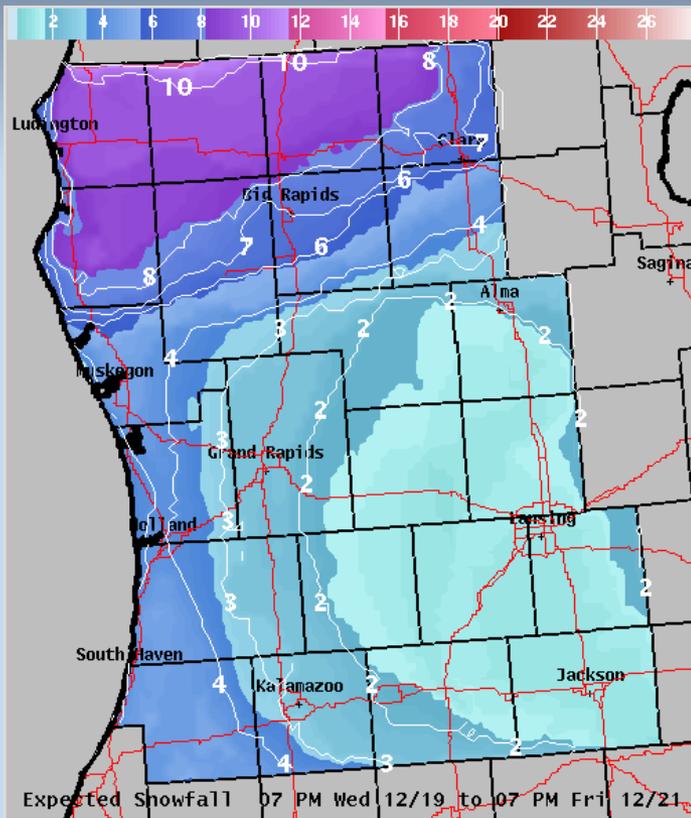


# Storm Total Snowfall

## Thursday - Friday



Slide #5



Potential snow total through Friday  
(in inches)

### Snow Accumulation

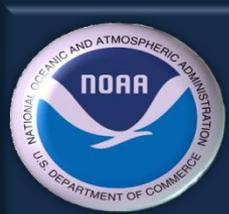
- 6" or greater: north of Muskegon to Mt. Pleasant line
  - 3"-5" along lakeshore from Holland south
    - Tapering 1"-3" away from lake

### Max Snowfall Rate

- 1 inch per hour possible

### Type of Snow

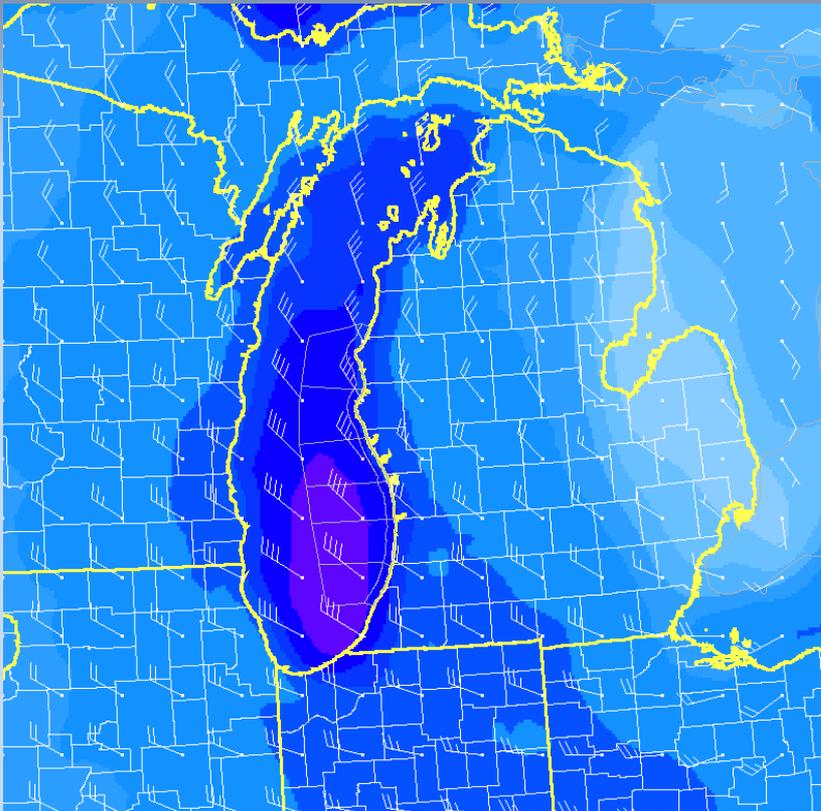
Wetter in nature



# Additional Hazards



Slide #6



**Gusts**

-Up to 50 mph in dark blue/purple

## Wind Direction and Wind Speed

- From the Northwest 20 to 30 mph with gusts in the 40 to 50 mph range near lakeshore

## Visibility

- Near zero in worst snow bands
  - Generally below ½ mile



# Event Summary



Slide #7

- **Highest impact along U.S. 10 and lakeshore**
- **Strong wind gusts in the 40-50 mph range expected**
- **>6" possible north of Muskegon-Mt. Pleasant line**
- **3"-5" along lakeshore from Holland south**
- **1"-3" elsewhere**
- **Friday morning commute impacted**
- **Improving conditions Friday afternoon and evening**



# For Additional Information



Slide #8



Winter Weather Briefing Slides  
[www.weather.gov/grandrapids/webinars](http://www.weather.gov/grandrapids/webinars)

Regional Weather Radar Loop  
[www.weather.gov/radar](http://www.weather.gov/radar)

Additional Winter Forecast Information  
<http://go.usa.gov/RE6>

Hazard Summary Page  
[www.crh.noaa.gov/hazards/grr](http://www.crh.noaa.gov/hazards/grr)

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