

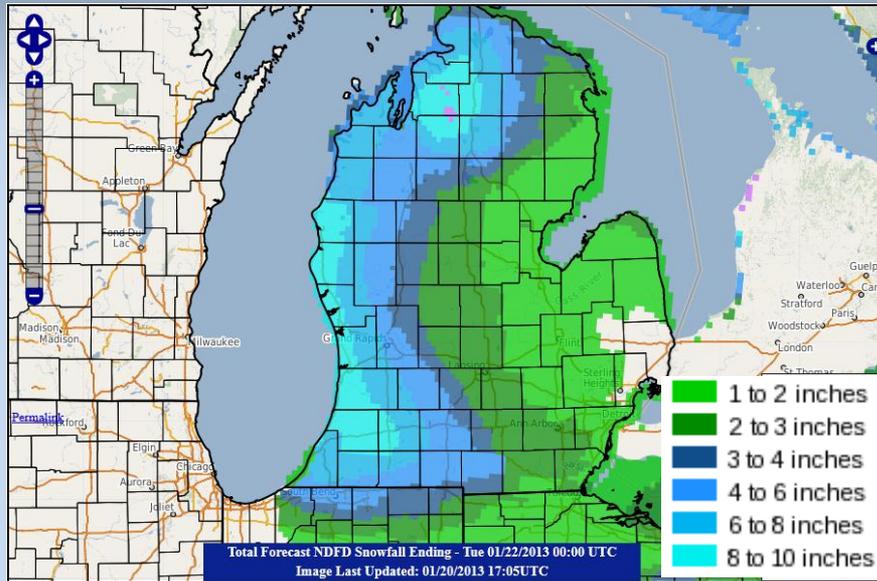


Lake Effect Snow Event



Slide #1

Potential Snowfall through Monday PM



Event Summary

**6 to 10 inches possible lake shore...
1 to 6 inches elsewhere**

**Tonight and Monday...and continuing
beyond**

Along and West of US-131

Created: Sunday, January 20, 2013 – 200 PM

NOAA National Weather Service - Grand Rapids, Michigan

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

Email: w-grr.webmaster@noaa.gov

Phone: 616-949-0643





Winter Hazard Risk Assessment



Slide #2

For Southwest Lower Michigan

Extreme

High

Moderate



Low

Weather Like this is **Common**

Typically Associated With
Some Disruption to Daily Life

Threat to Life and Property
Rarely Directly Threatening

Usual Recovery Time
Couple Days Due to Cold Temps

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
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: Near/Before weather ends



Confidence and Potential Impacts



Slide #3

Confidence this Weather Will Occur	High	Medium 	Low
Road Conditions	<ul style="list-style-type: none">Slippery road conditions expected in snowAir Temperatures in the teens after at 6pm this evening through MondayRoad Temperatures in the teens or 20s		
Commutes Affected	<ul style="list-style-type: none">Commute Monday morning and eveningSnow may linger and impact the Tuesday morning commute		
Additional Potential Impacts	<ul style="list-style-type: none">Temperatures 10 to 15...Wind chill reading 5 above to 5 below zeroWest Northwest winds gusting to 30 mph Monday leading to blowing and drifting		
Power Outage Potential	High	Medium	Low 
Blowing/Drifting Potential	High	Medium 	Low

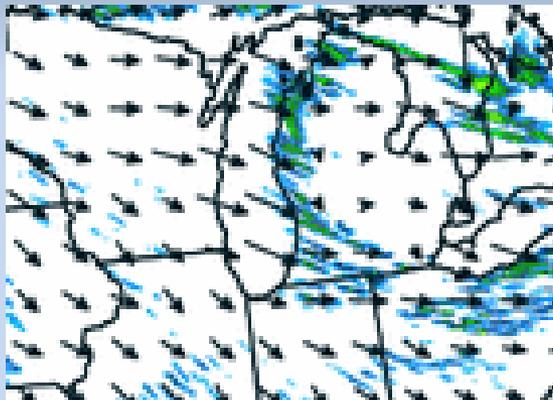


Timing of Winter Weather

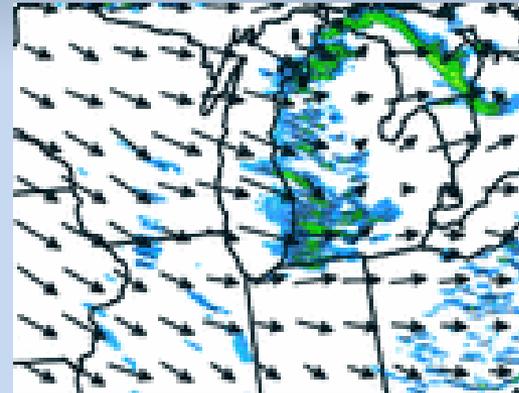


Slide #4

Weather Radar Forecast
Tonight



Weather Radar Forecast
Monday



Beginning	<ul style="list-style-type: none">• Snow intensity will increase this evening around 8 PM• Heaviest snows occurring along and west of US-131
Heaviest	<ul style="list-style-type: none">• Heaviest snow is expected between midnight tonight through 6 PM Monday
Ending	<ul style="list-style-type: none">• Snow intensity diminishing after 6 PM Monday...lighter snow will continue Monday night and Tuesday• Winds slowly subsiding around midnight Monday night



Storm Total Snowfall Tonight to Monday



Slide #5

Snow Accumulation

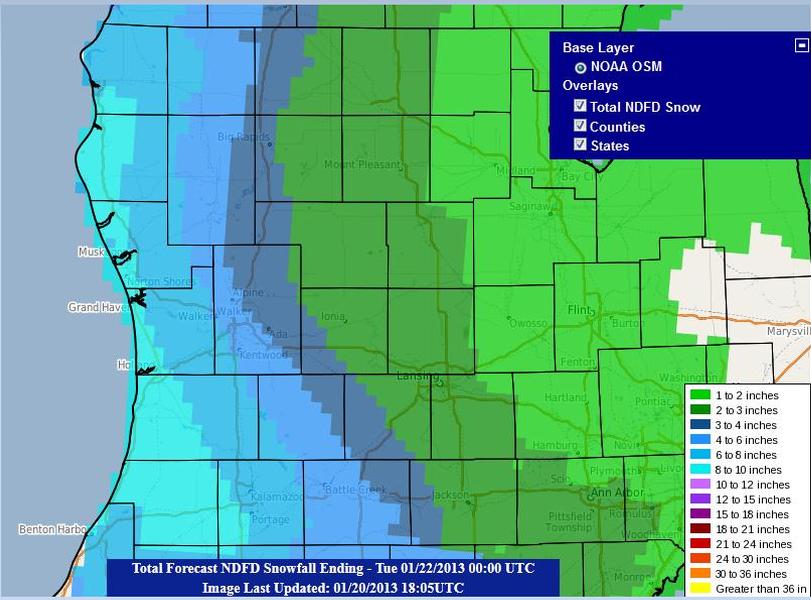
- 6 to 10 inches: West of US-131
- 1 to 6 inches: Remainder of Southwest Lower

Snowfall Rate

- One Inch Per Hour at times: midnight to 6 pm Monday
- One-Quarter Inch per hour: 6 pm Monday Night into Tuesday

Type of Snow

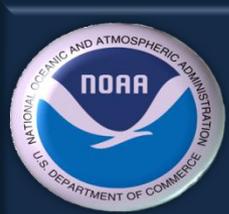
- Light and Fluffy



Snow Total through Monday evening

(in inches)

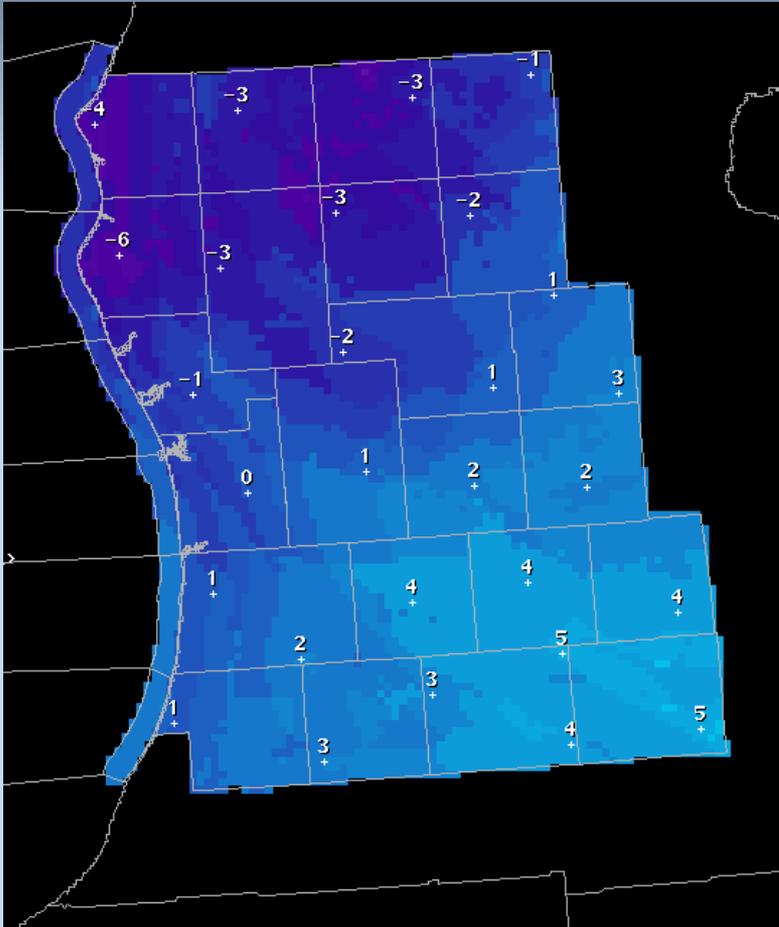




Additional Hazards



Slide #6



Wind Chill Values Tonight

Visibility

- Variable $\frac{1}{4}$ to $\frac{1}{2}$ mile after midnight Tonight
- Occasional $\frac{1}{2}$ to 1 mile inland

Wind Direction and Wind Speed

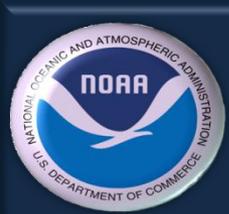
- From the West Northwest 10 to 20 mph gusting to 30 mph Monday
- From the West Northwest 10 to 15 mph Monday night and Tuesday

Wind Chill Temperatures

- +5 to -5 Degrees Tonight and Monday
- -5 to -10 Degrees Monday Night/Tue

Ice Accumulation

- None Expected



Slide #7

Event Summary



- **Greatest impacts across Western Lower MI**
- **6 to 10 inches of Fluffy Snow Lakeshore...1 to 6 Inches Elsewhere**
- **Morning and Evening Commute Monday Impacted**
- **Travel Monday Night and Tuesday Hazardous... Temps 0 to 15**



For Additional Information



Slide #8

Links Below are Clickable in PDF File of the Briefing



Winter Weather Briefing Slides
www.weather.gov/grandrapids/webinars

Regional Weather Radar Loop
www.weather.gov/radar

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

Hazard Summary Page
www.crh.noaa.gov/hazards/grr

NOAA National Weather Service - Grand Rapids, Michigan

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

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Phone: 616-949-0643



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