

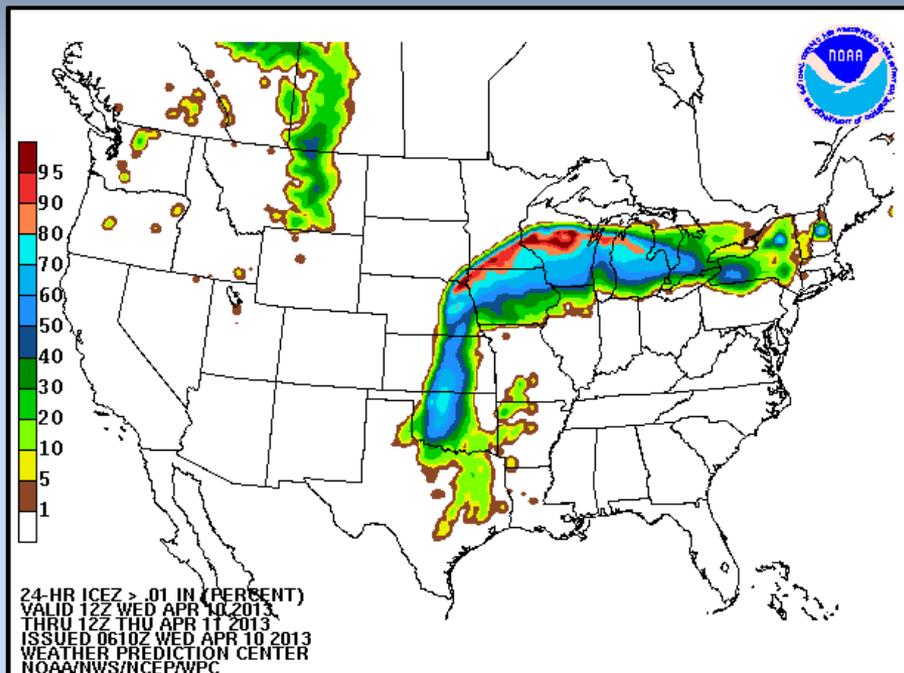


Freezing Rain and Heavy Rain



Slide #1

Tonight through Early Friday



Ice Accumulation Potential through Thursday

Event Summary

Accumulating Ice Possible

Heavy Rain & Gusty Winds Tonight

River Flooding

Possible Into Next Week

Created: Wednesday, April 10, 2013 – 130 PM

NOAA National Weather Service - Grand Rapids, Michigan



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

Email: w-grr.webmaster@noaa.gov



@NWSGrandRapids
#wmiwx

Phone: 616-949-0643





Winter Hazard Risk Assessment



Slide #2

Concerning Freezing Rain Potential

Extreme

High



Moderate

Low

Weather Like this is
Rare – 1 to 3 Times a Year

Typically Associated With
Large Disruption to Daily Life

**Threat to Life and Property
Is Often Life Threatening**

**Usual Recovery Time
1 to 3 Days After the Weather Ends**

Extreme:

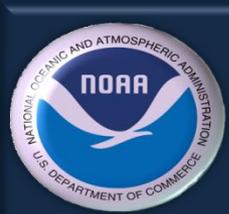
- Historic Weather – Once Every 20+ years
- Extremely Threatening to Life/Property
- Total disruption of daily life
- Recovery Time: days or weeks

High:

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

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

- Ice Accumulation Could Occur Quickly
- Threat for Ice Accumulation Higher After Sunset

Commutes
Affected

- Most Likely Impacted: Thursday Morning, Thursday Evening
- Also Potentially Impacted: Friday Morning

Additional
Potential Impacts

- Tree Damage Possible with Wet Ground & Ice Accumulation
- Ice Accumulation Possible on Power Lines
- Gusty Winds to 40 mph Tonight & Thursday Increases Potential for Tree Damage and Power Outages
- Cold Air Lingers with Light Snow Possible through Friday into Saturday

Power Outage
Potential

High



Medium

Low



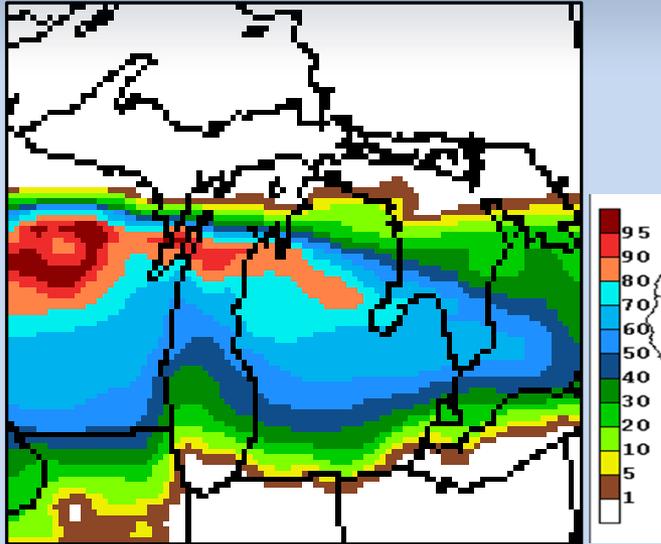
Freezing Rain Probabilities



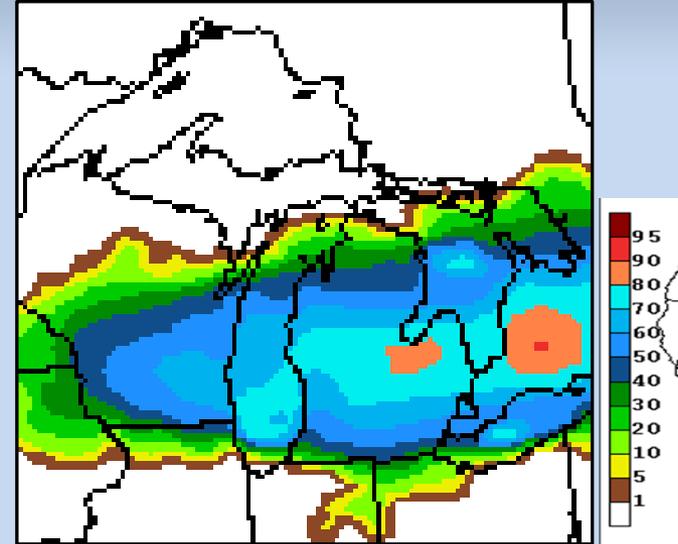
Slide #4

Tonight through Early Friday

Probability of Ice Accumulation 11pm Tonight to 3pm Thursday



Probability of Ice Accumulation 3pm Thursday to 6am Friday



Beginning

- From North to South After Sunset Tonight
- Threat Slides South Slowly During the Day Thursday

Heaviest

- Muskegon, Stanton, Alma and areas North: **11pm Tonight to 3pm Thursday**
- Elsewhere: **3pm Thursday to 6am Friday**

Ending

- Early Friday Morning

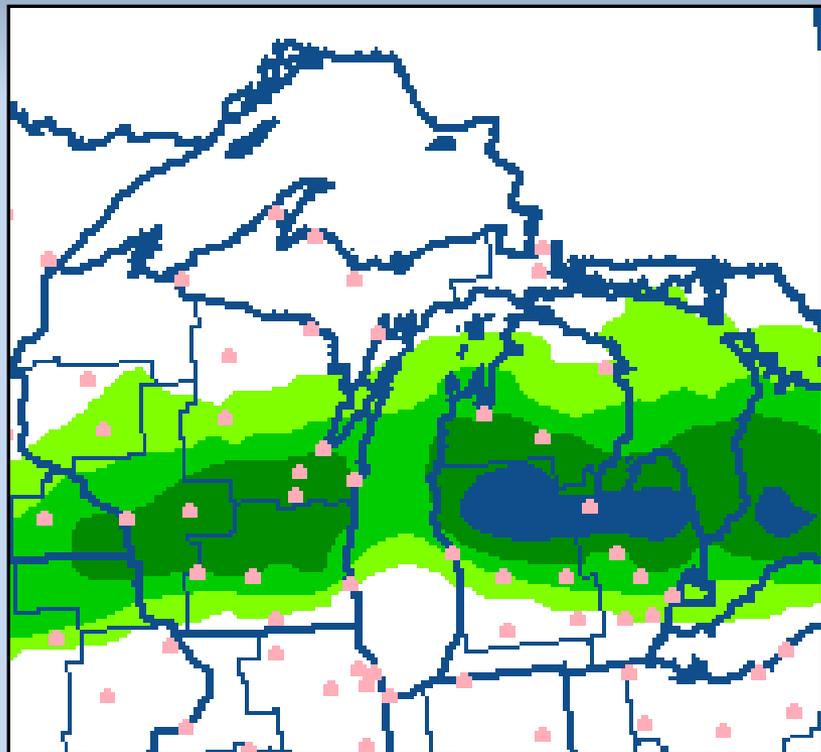


Possible Ice Accumulation

Through early Friday



Slide #5



Total Ice Accumulation Possible

One-Quarter of an Inch or More
(Dark Blue)

One-Tenth or More
(Dark Green)

None to One-Tenth
(Medium Green)

Maybe a Light Glaze
(Light Green)



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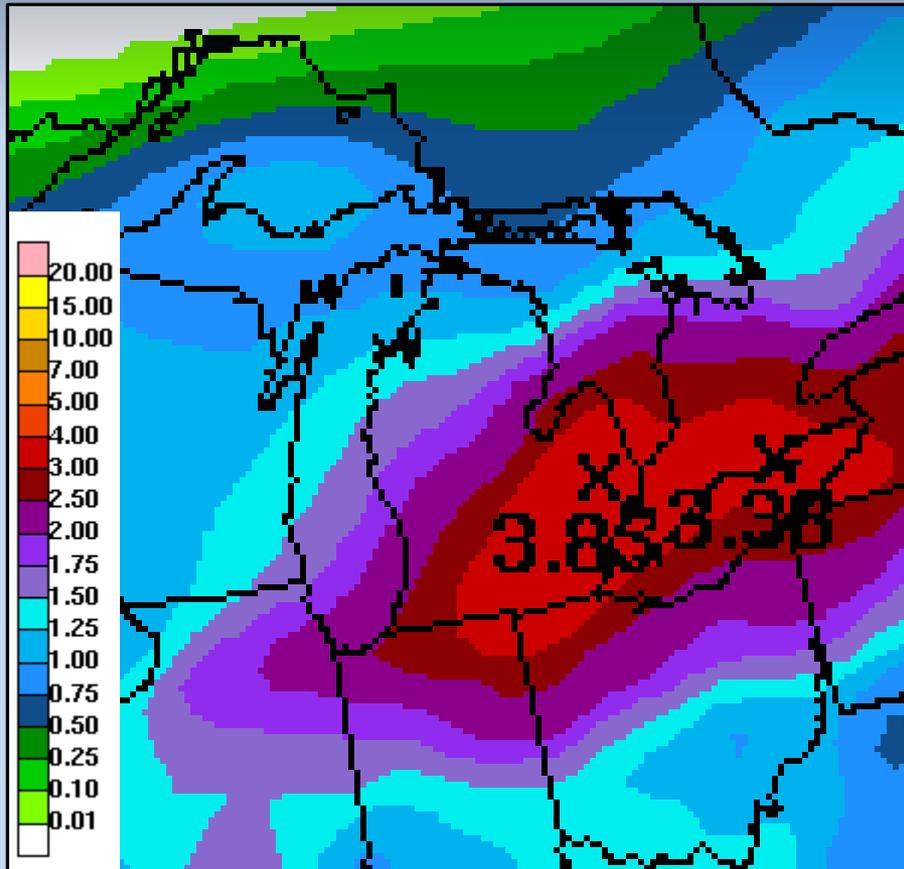


Potential Total Rainfall

Tonight through Early Friday



Slide #6



Rainfall Forecast

Generally 2+ More Inches of Rain

Tonight Through Early Friday

**Heaviest Additional Amounts
South and East**



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Flood Threat Through Next Week



Slide #7

What	<ul style="list-style-type: none">• Minor flooding of small streams/creeks could cause flooding in larger rivers
When	<ul style="list-style-type: none">• Small Streams/Creeks: Minor Flooding Now through the Weekend• Larger Rivers: Significant Rises Possible Late this Week into Early Next Week
Where	<ul style="list-style-type: none">• All of Southern Lower Michigan• Kalamazoo, Grand, and the Muskegon River Basins hardest hit
Forecast Confidence	<ul style="list-style-type: none">• High Confidence: Minor Flooding of Small Creeks and Streams <u>Will Occur</u>• High Confidence: Minor Flooding of Some Larger Rivers <u>Will Occur</u>• Low Confidence: Moderate or Major Flooding of Large Rivers



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Event Summary



Slide #8

Accumulating Ice Possible Tonight to Early Friday

Additional 2+ Inches of Rain Possible by Friday

Gusty Winds & Ice – Power Outages Possible

River Flood Threat Into Next Week



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For Additional Information



Slide #9

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

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