



Weather Briefing

NOAA National Weather Service Grand Rapids



Severe Weather and Flash Flooding Potential

Through Tonight

Posted on Tuesday, August 2, 2011 at 7 PM

weather.gov/grandrapids



Weather Event Details



Evolution	<ul style="list-style-type: none">• Cold Front approaches and slows down over southern Michigan• Thunderstorms move over the region from the west/northwest• Training of Thunderstorms may result in locally heavy rainfall• Damaging Winds, Heavy Rainfall likely – Hail, Isolated Tornadoes possible• Main Stem Rivers expected to see little additional rainfall at this time
Time Period of Concern	<ul style="list-style-type: none">• Severe Thunderstorm Watch in Effect until 2 AM Wednesday• Flash Flooding: Heaviest Rainfall expected after 8pm
Area of concern	<ul style="list-style-type: none">• Severe Weather : All of Lower Michigan• Flash Flooding: Along cold front – especially if it slows down
Confidence Level	<ul style="list-style-type: none">• Good confidence in thunderstorm potential• Good confidence in potential for heavy rainfall• Lower confidence is location of heavy rainfall – along cold front

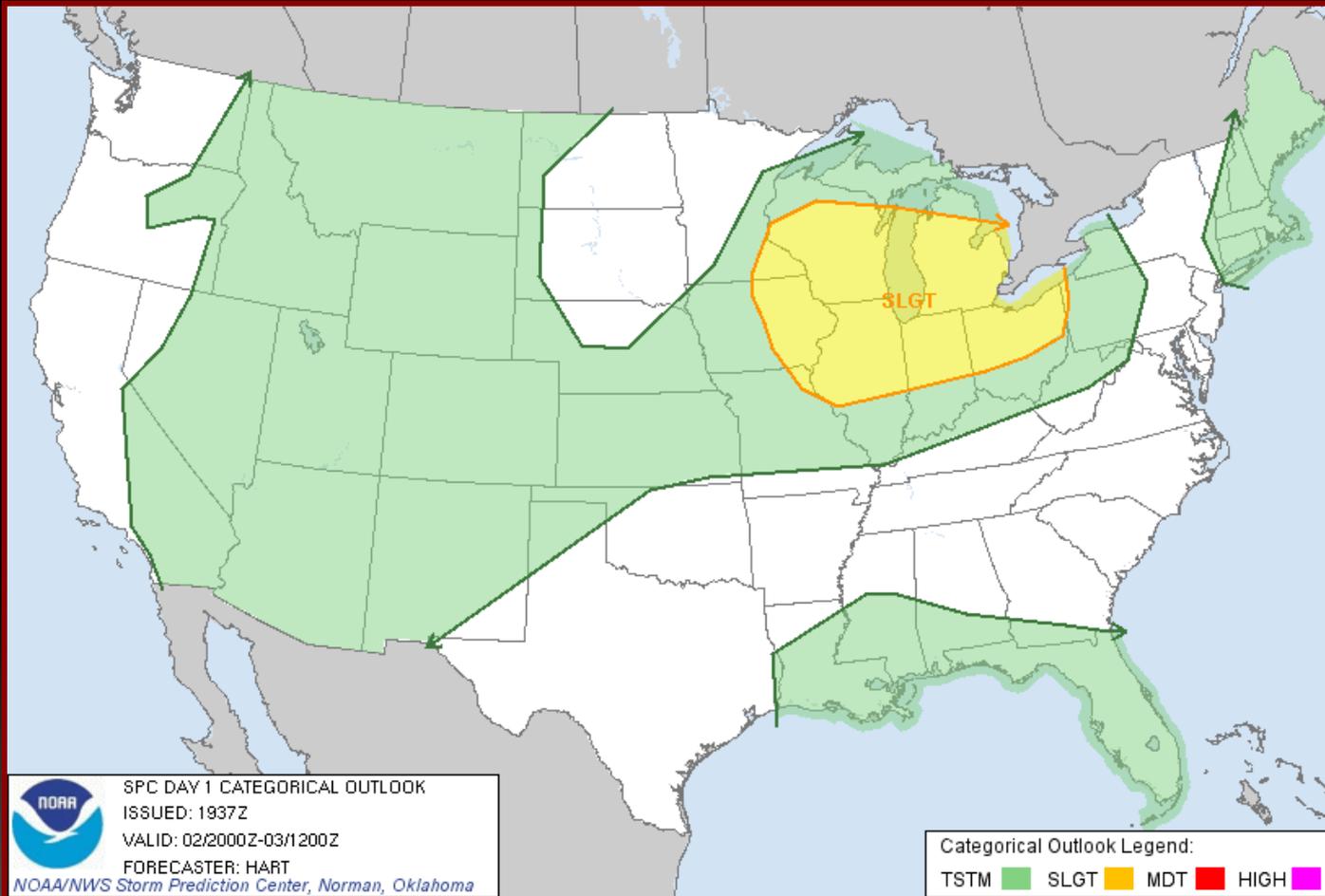
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Thunderstorm Threat



Slight Risk through 2am Tonight



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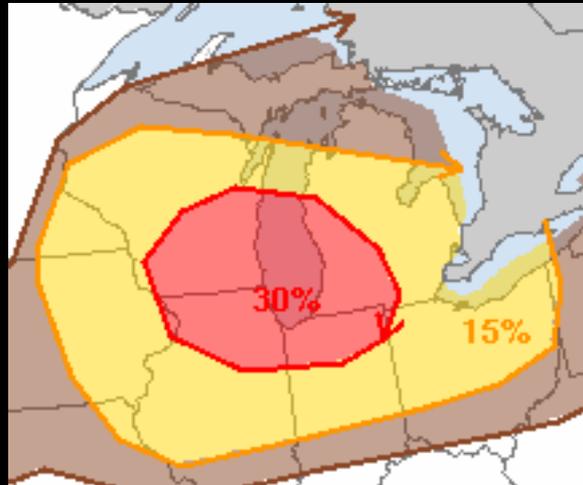


Severe Weather Threats

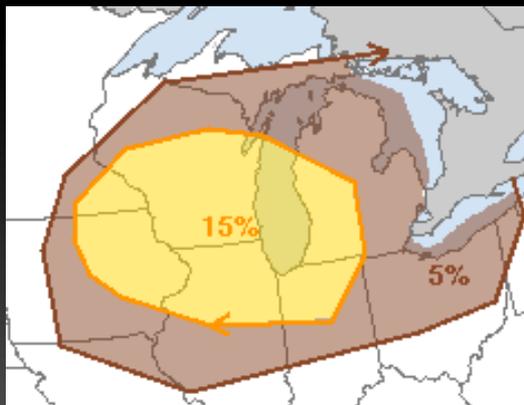
This Afternoon and Early Tonight



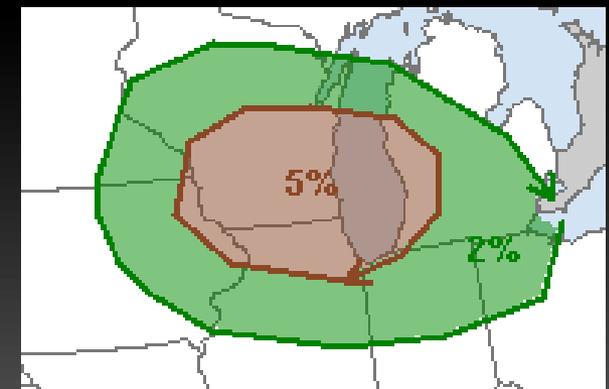
Damaging Wind Threat



Hail Threat



Tornado Threat

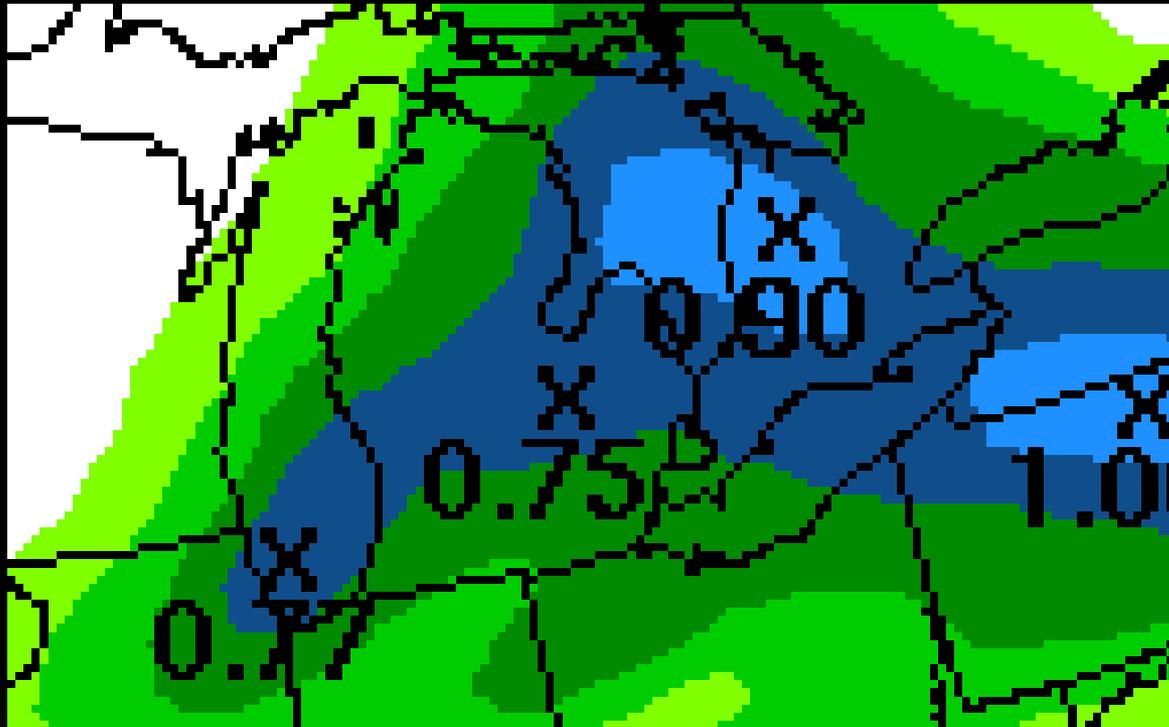


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Forecast Rainfall Total

Through 8 AM Wednesday



Heavy Rain Threat

- Generally One Inch of Rainfall
- Higher Amounts expected generally after 8 pm
- Local 1 to 2 inch per hour rates likely at times
- Training Storms Possible along the cold front – may stall across southern MI

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Important Web Links

NOAA National Weather Service Grand Rapids



NWS Grand Rapids Website

www.weather.gov/grandrapids

Archived Webinars

www.weather.gov/grr/webinars

Severe Weather Summary

www.crh.noaa.gov/hazards/grr

Storm Prediction Center

www.weather.gov/spc

National Radar

www.weather.gov/radar