

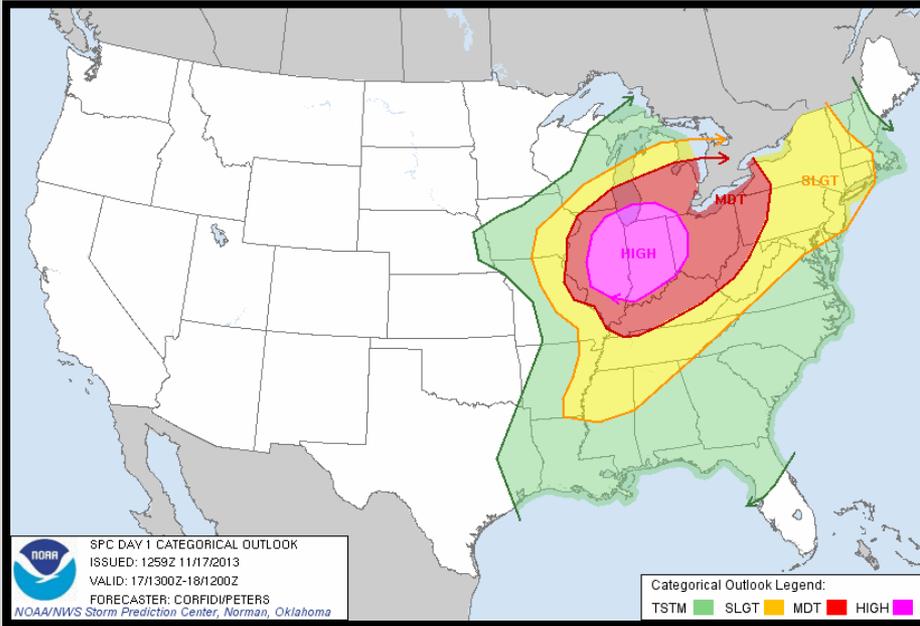


# Severe Weather Outbreak Likely



Widespread Damaging Winds Likely  
Strong Tornadoes Possible

## Severe Weather Outlook for Sunday



Click on the Image for the Most Current  
Day 1 Severe Weather Outlook

## Event Summary

Storm Prediction Center  
Moderate and High Risk

Widespread Damaging Winds  
Strong Tornadoes Possible

Strong Long Duration High Winds  
This Evening and Tonight  
associated with low pressure

Posted: November 17, 2013 – 10am EST

[weather.gov/grandrapids](http://weather.gov/grandrapids)





# Severe Weather Outbreak Likely



Widespread Damaging Winds Likely  
Strong Tornadoes Possible

## What

Widespread damaging winds likely this afternoon associated with a Squall Line. Strong Tornadoes Possible. High Winds develop this evening and tonight behind a strong cold front.

### Greatest Threats:

- **Damaging Winds** - Could Exceed 70 mph with thunderstorms this aft.  
- Could Exceed 60 mph tonight behind front
- **Tornadoes** – Tornadoes Possible. Threat for long track, strong Tornadoes.

### Lesser Threat:

- Large Hail and Flooding

## When

- Greatest Threat for Damaging Winds and Possible Tornadoes from 10 a.m.-6 p.m. Sunday

## Where

- All of Southwest Lower Michigan

## Forecast Confidence

- Confidence of Storm Development is **High**
- Confidence for Severe Weather is **High**



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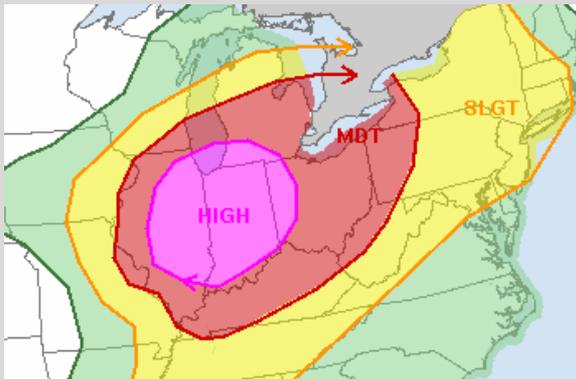




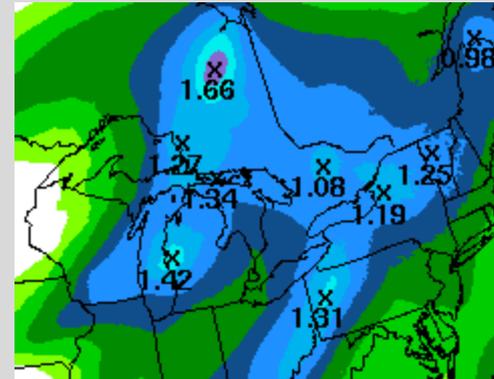
# Severe Weather Outbreak Likely Today



### Severe Weather



### Total Possible Rainfall



<b>Damaging Winds</b>	<b>High</b> 	<b>Medium</b>	<b>Low</b>
<b>Large Hail</b>	<b>High</b>	<b>Medium</b> 	<b>Low</b>
<b>Tornado</b>	<b>High</b>	<b>Medium</b> 	<b>Low</b>
<b>Flooding</b>	<b>High</b>	<b>Medium</b>	<b>Low</b> 

[weather.gov/grandrapids](http://weather.gov/grandrapids)

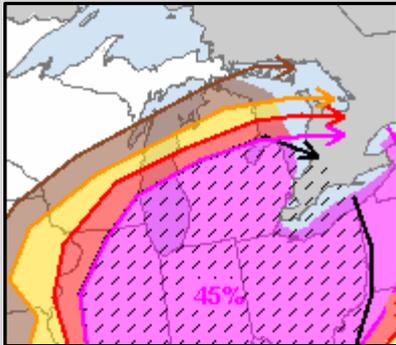




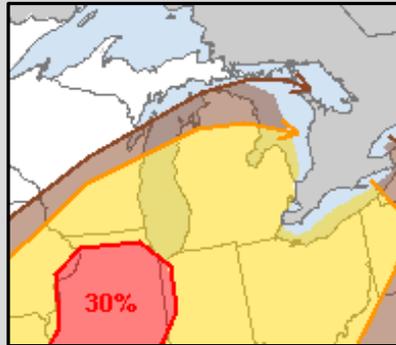
# Severe Weather Outbreak Likely Today



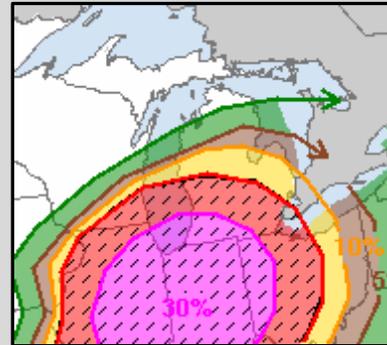
### Damaging Wind Threat Area



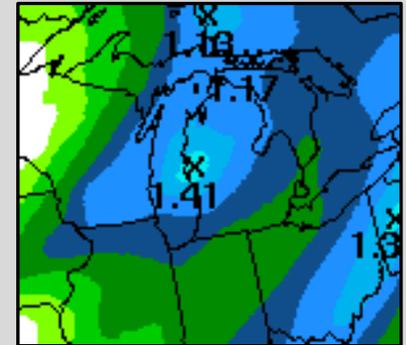
### Large Hail Threat Area



### Tornado Threat Area



### Heavy Rain Potential



<b>Damaging Winds</b>	<b>High</b>		<b>Medium</b>	<b>Low</b>
<b>Large Hail</b>	<b>High</b>		<b>Medium</b>	
<b>Tornado</b>	<b>High</b>		<b>Medium</b>	
<b>Flooding</b>	<b>High</b>		<b>Medium</b>	



[weather.gov/grandrapids](http://weather.gov/grandrapids)





# Forecast Radar Today

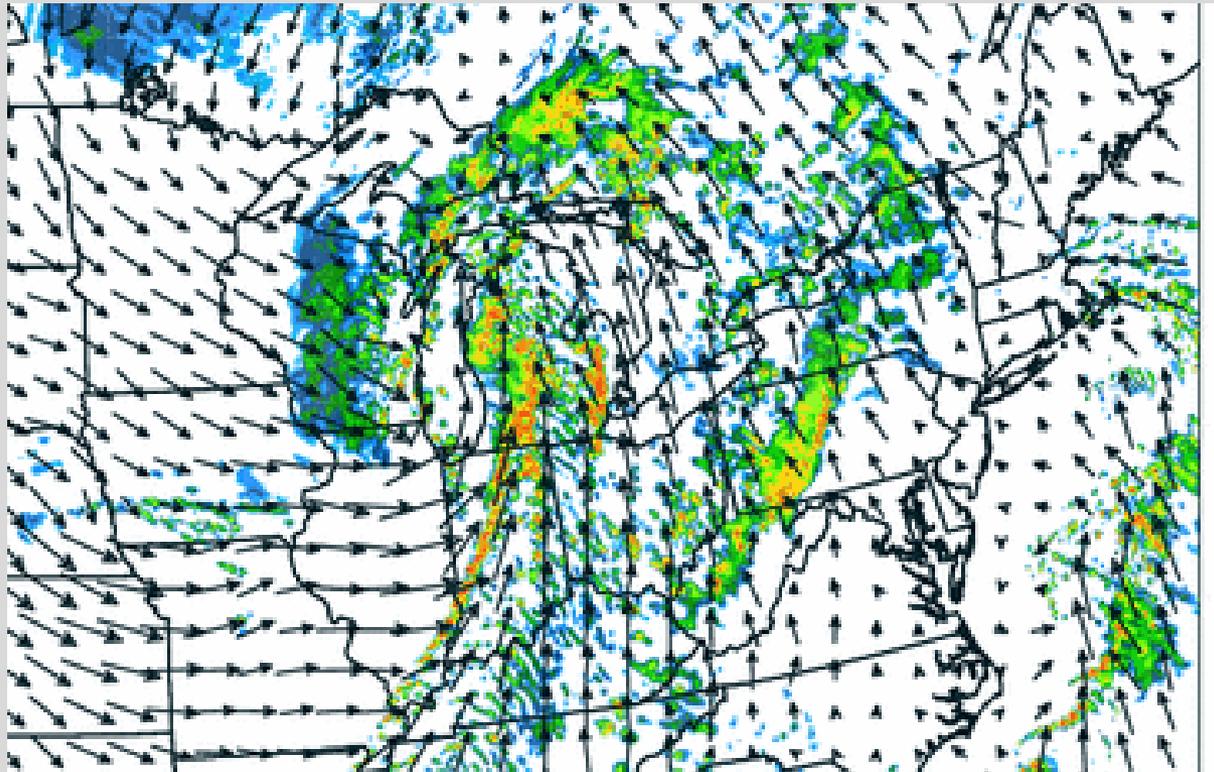
Multiple Rounds of Storms Possible



**1<sup>st</sup> Round moving through area this morning**

**Main Line Moves Through This Afternoon and Evening**

**Forecast Radar 5 pm Sunday**



[weather.gov/grandrapids](http://weather.gov/grandrapids)



# Windy Conditions Today and Tonight

High Winds Today Through  
Tonight

Strong low will increase  
southerly winds today

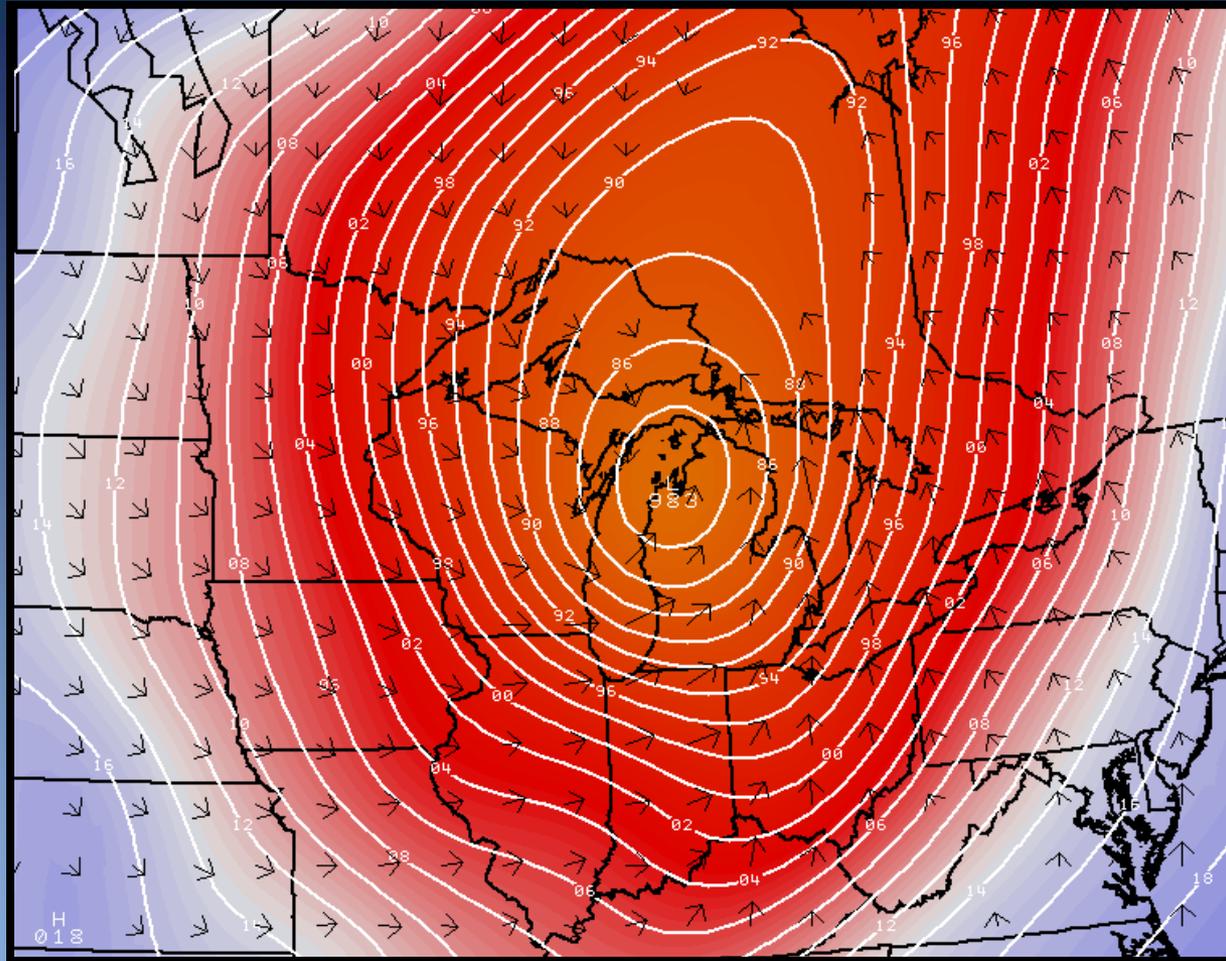
Squall line will sweep the area  
this afternoon and evening.

Long Duration Strong winds  
develop tonight behind the low

Wind gusts with the storms  
could exceed 70 mph

Wind gusts with the low itself  
tonight could gust over 60 mph  
off and on for hours

Power Outages Likely



Low Pressure Center and Winds- 7pm Sunday



# Hazards Summary Review

## Today



- **Widespread Damaging Winds Likely**
- **Strong Tornadoes Possible**
  - **All of Southwest Lower Michigan**
- **Severe Weather Possible This Morning Highest likelihood This Afternoon and early Evening**
- **Dangerous Winds Area Wide Today and Through Tonight**
- **Locally Heavy Rainfall - Localized Flooding Possible**



[weather.gov/grandrapids](https://weather.gov/grandrapids)

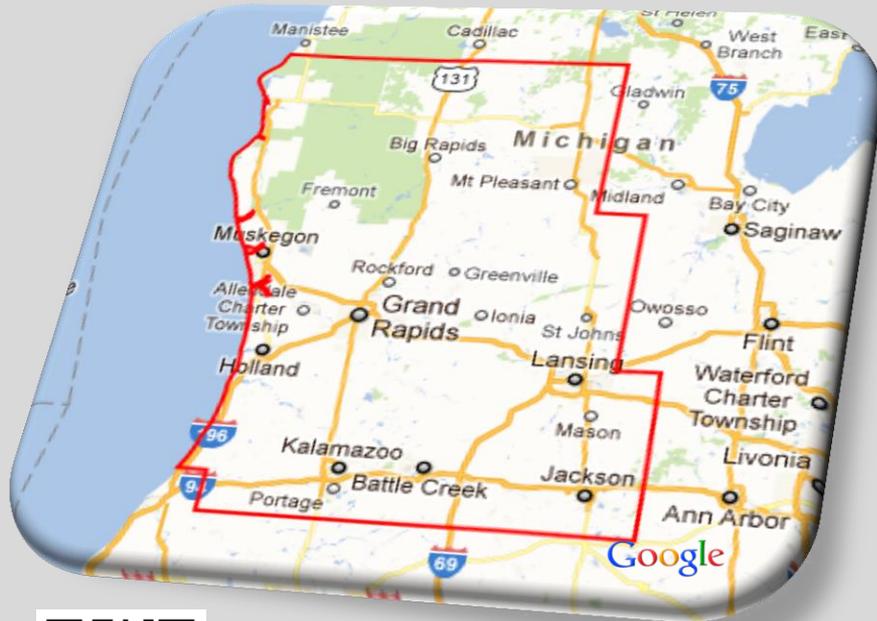




# Important Web Links



Click the Links Below for More Information



**Severe Weather Briefing Slides**

[www.weather.gov/grr/webinars](http://www.weather.gov/grr/webinars)

**Regional Weather Radar Loop**

[www.weather.gov/radar](http://www.weather.gov/radar)

**Severe Weather Summary**

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

**Storm Prediction Center**

[www.spc.noaa.gov](http://www.spc.noaa.gov)

## NOAA National Weather Service - Grand Rapids, Michigan

National Weather Service  
Grand Rapids

[www.weather.gov/grandrapids](http://www.weather.gov/grandrapids)

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

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