

Strong Fall Storm

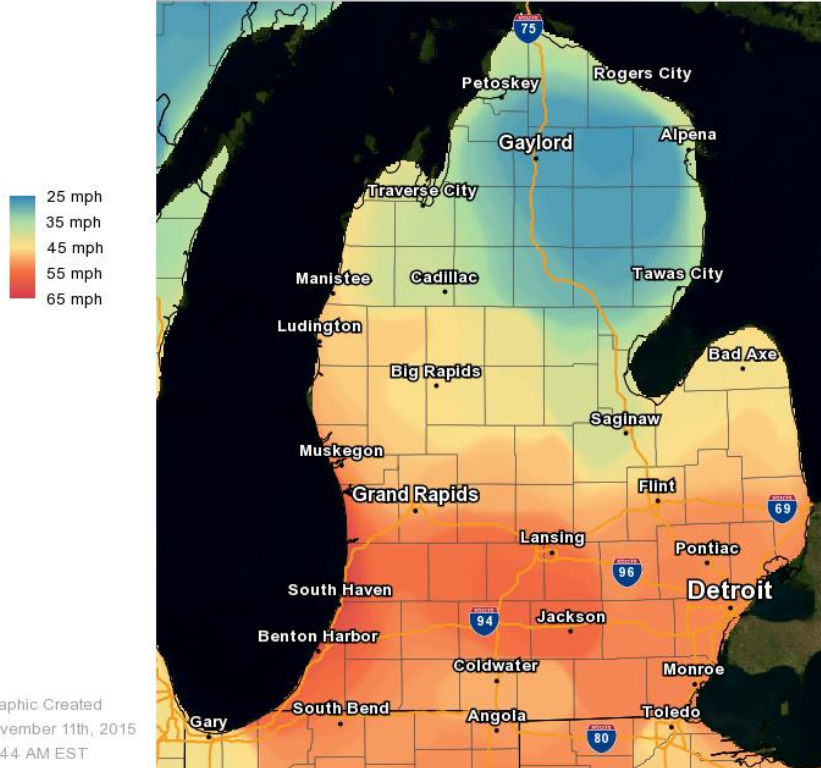
Thursday and Friday November 12-13, 2015

Created: Wednesday, November 11, 2015 – 100 PM

Maximum Forecast Wind Gusts

National Weather Service

Valid Ending Friday November 13th, 2015 at 7 PM EST



Expected

Scattered Thunderstorms Tonight
Long duration High Winds Tonight-Friday
Scattered power outages
Beach/Dune erosion on the Lakeshore

Possible

Lakeshore Flooding

Time of Greatest Risk

Thunderstorm Wind Gusts
(11pm this evening - Thursday 8am)

Long duration High Winds
(Late tonight - Friday)



Fall Storm Details

Thursday and Friday November 12-13, 2015



What	<p>Long duration high wind event Showers/Storms tonight may bring damaging winds</p> <p><u>Greatest Threats:</u></p> <ul style="list-style-type: none">• Long duration high winds: sustained 20-35mph gusts 45-60mph• Strongest winds along and south of I-96 and towards Lake Michigan• Showers/storms tonight may contain damaging winds• Lake Michigan dune/beach erosion <p><u>Lesser Threats:</u></p> <ul style="list-style-type: none">• Lakeshore flooding
When	<ul style="list-style-type: none">• Time of Greatest Risk (thunderstorm winds): 11pm Tonight to Thursday 8am• Time of Greatest Risk (strong low winds): Thursday (High winds will continue Thursday night and Friday as well)
Where	<ul style="list-style-type: none">• Greatest Risk for High Winds: Along and south of I-96 and Lakeshore counties
Forecast Confidence	<ul style="list-style-type: none">• Confidence of Thunderstorm Development Tonight: Low• Confidence for High Winds Thurs-Fri: High



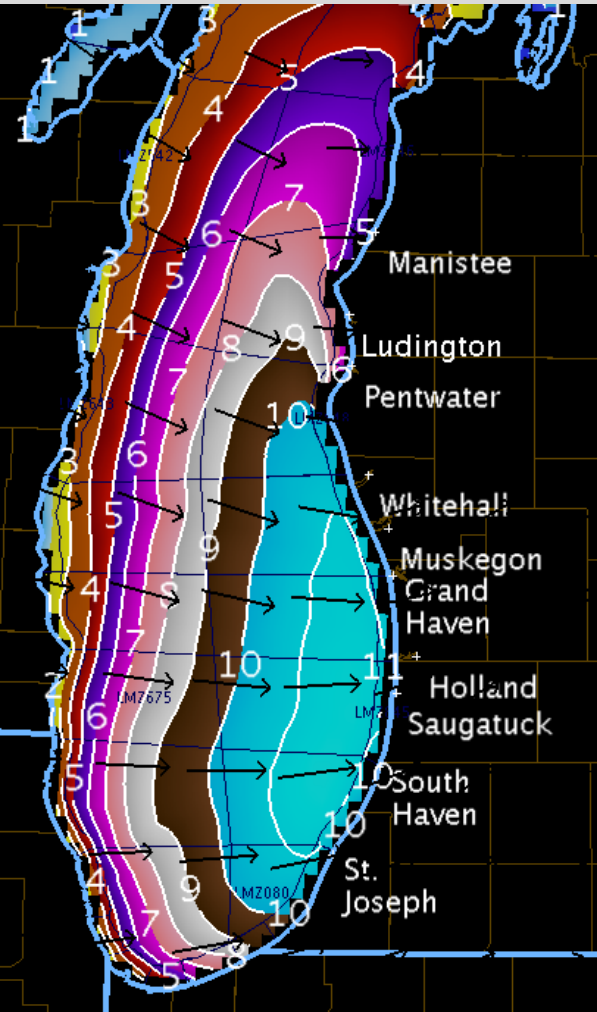
Lake Michigan Shore Concerns

Thursday and Friday November 12-13, 2015

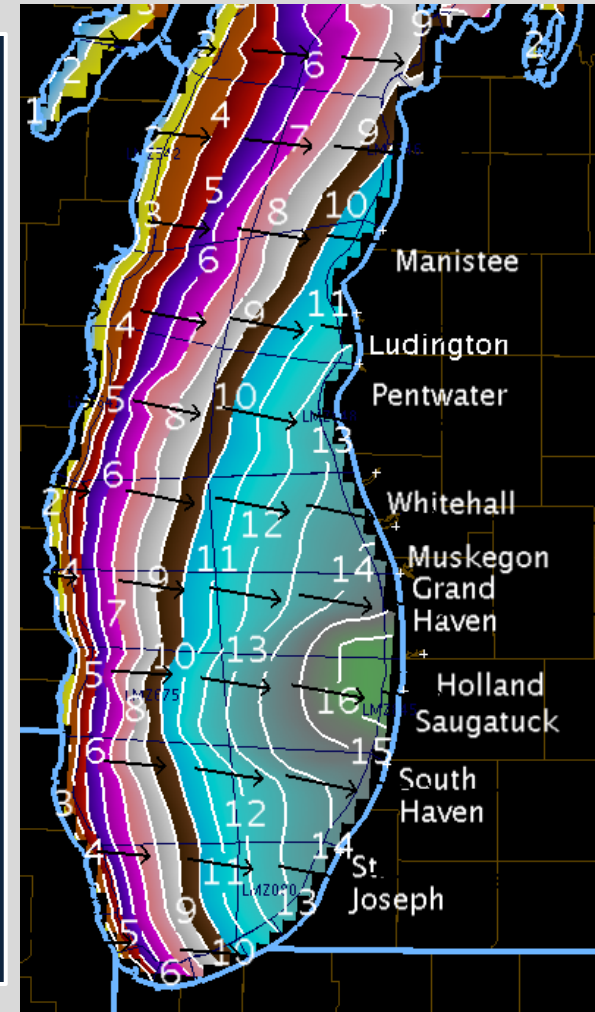


Wave Heights Noon THU

Wave Heights 8am FRI



- Waves peak at 12-18 feet
- Storm rise in lake levels of potentially 1 foot
- Higher lake levels + the storm rise + large waves = likely beach/dune erosion
- Long duration (Thurs-Fri) large battering waves at the lakeshore
- Piers will be overtopped by large waves
- Potential flooding in low areas along the shore and up into river mouths





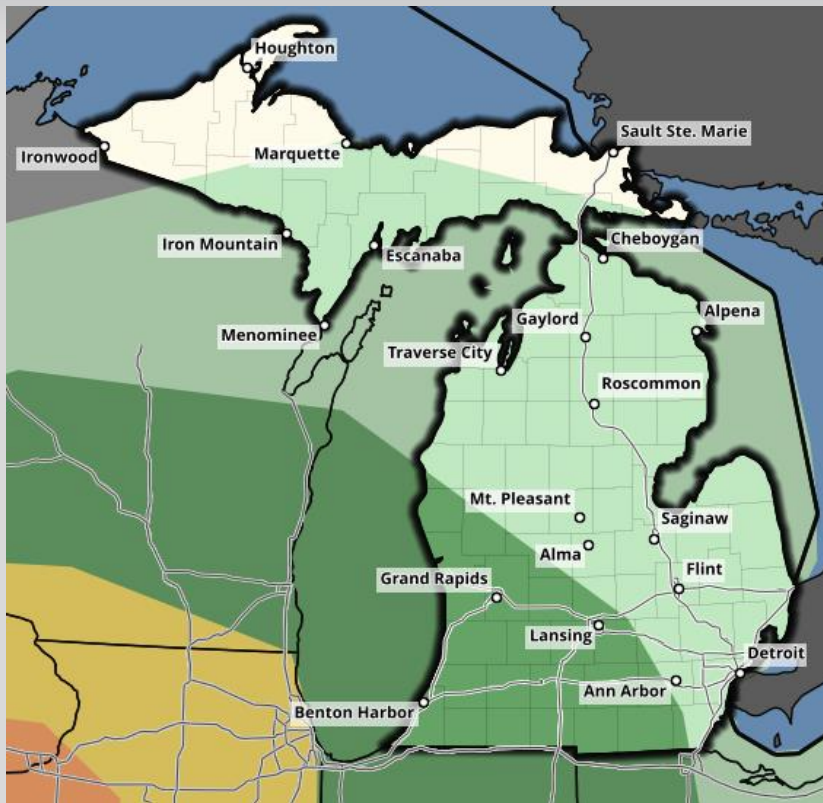
Severe Weather Potential

November 11-12, 2015



Severe Weather Outlook Tonight (Wed Night)

Created: Wednesday, November 11, 2015 – 100 PM



Lesser Threat → Greater Threat

Expected

Scattered Thunderstorms

Possible

Thunderstorms and even stronger showers will be capable of:

- Damaging Winds in excess of 60mph

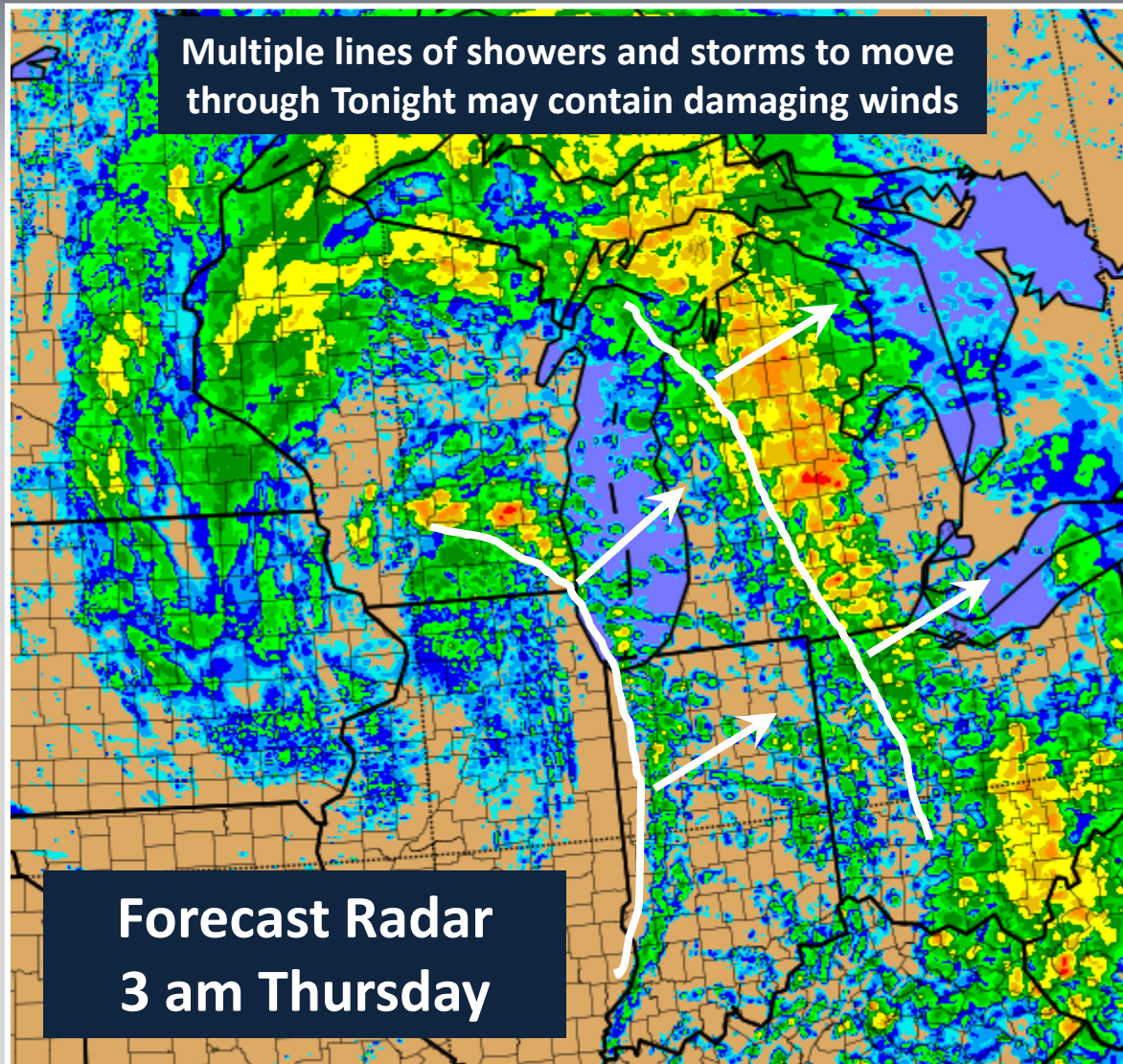
Time of Greatest Risk

Wednesday 11pm through Thursday 8am



Forecast Weather Radar

November 12, 2015 300 am





Hazards Summary Review

November 11-13, 2015

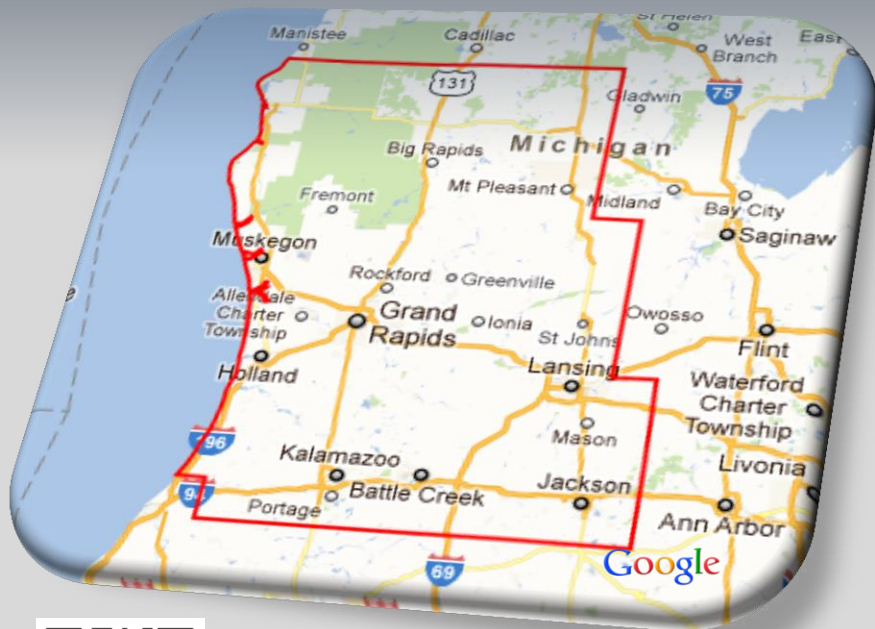


- Long Duration high wind event Tonight through Friday
- Storms and even heavier showers tonight will be capable of damaging winds (60+ mph)
- Scattered power outages possible area wide
- Dune and beach erosion likely at the Lake Michigan shore
- Possible lakeshore flooding.



Important Web Links

Click on Links Below for More Information



Regional Weather Radar Loop

www.weather.gov/radar

Storm Prediction Center

www.spc.noaa.gov



NOAA National Weather Service - Grand Rapids, Michigan



National Weather Service
Grand Rapids



@NWSGrandRapids

www.weather.gov/grandrapids

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