



Winter Storm to Impact Michigan

Saturday, January 11 - Sunday, January 12, 2020

Key Points

- Heavy rainfall with river flooding expected for Southern Lower MI
- Urban and overland flooding expected for Southern/SE Lower MI
 - Impacts of river flooding last into next week
- Potential for an ice storm across Central to Southern Lower MI
- Gusty winds + ice leading to potentially widespread power outages
- Heavy snow accumulations, poor travel across Central/Northern Lower MI
 - Exact areas of snow, sleet, and freezing rain still in question

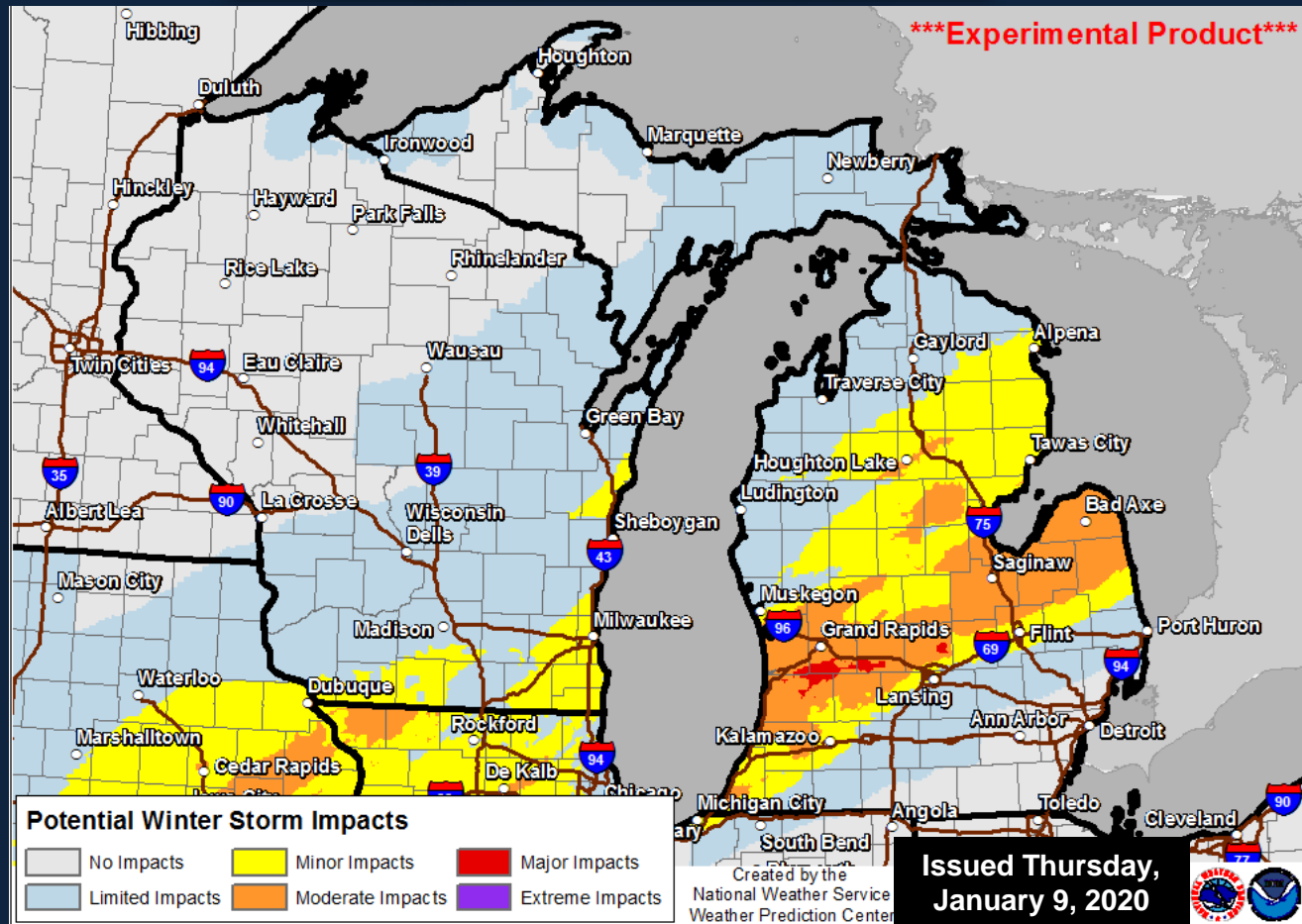


Winter Storm Impacts

Valid for Saturday, January 11, 2020

Potential Storm Impact*

*additional impacts into Saturday night/early Sunday for Northern Lower MI / U.P.



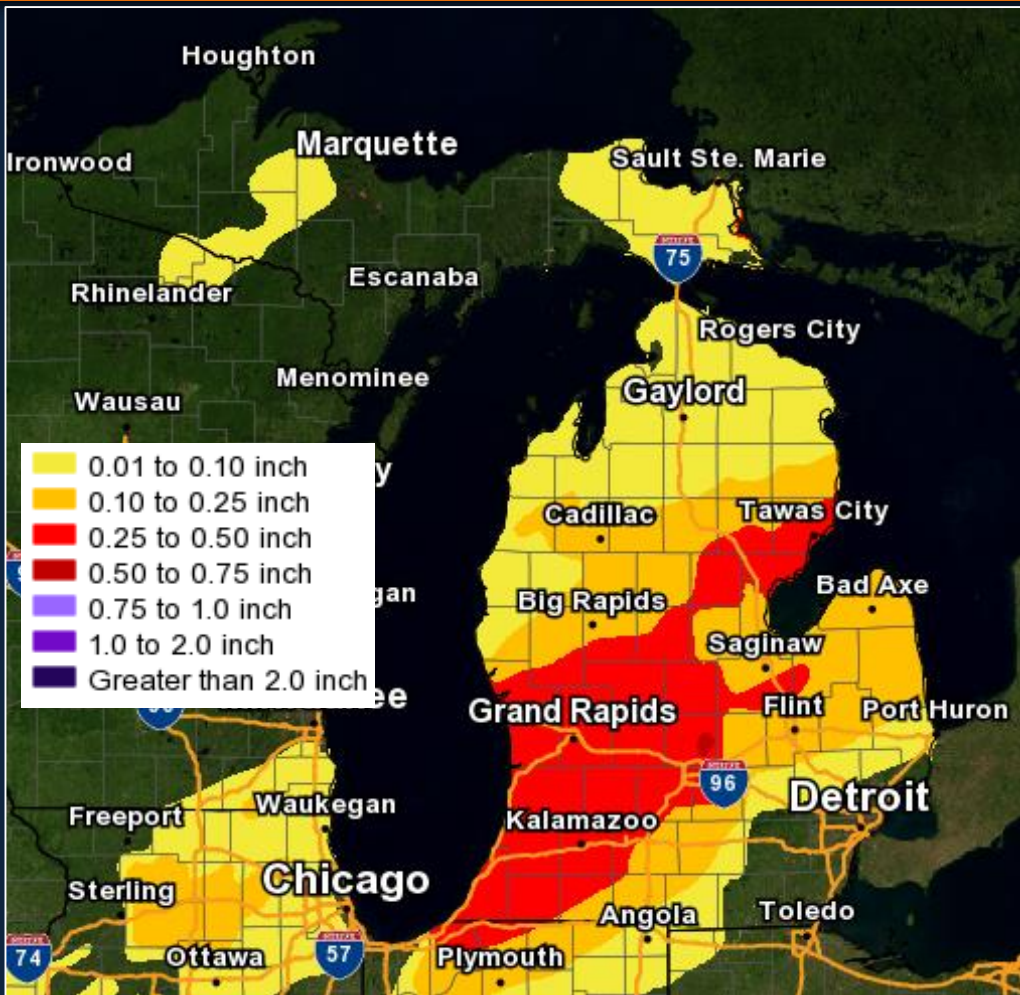
No Impacts	No Significant Weather Expected
Limited Impacts	Little to No Impact on Daily Life Low risk for some travel inconveniences
Minor Impacts	Caution – Especially When Travelling Plan for typical winter travel inconveniences
Moderate Impacts	Significant Inconveniences Disruption of normal activities is likely. Travel is hazardous.
Major Impacts	Wide Disruption of All Normal Activities Plan for major delays/cancellations with travel not recommended
Extreme Impacts	Extremely Life Threatening Travel may not be possible. Multi-day shutdowns/closures. Historic storm.



Forecast Ice Accumulations

Saturday, January 11 - Sunday, January 12, 2020

Forecast Ice Accumulations

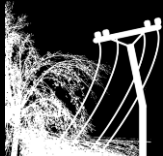


When:



Worst expected for Saturday morning through Saturday night

What to Expect:



Extended power outages possible



Icy roads with hazardous travel



Freezing rain could turn over to sleet or snow, limiting power outage potential



Forecast Snow Accumulations

Saturday, January 11 - Sunday, January 12, 2020

Forecast Snow Accumulations



When:



Worst expected for Saturday morning through Saturday night

What to Expect:



Hazardous travel



Snow/blowing snow reducing visibility



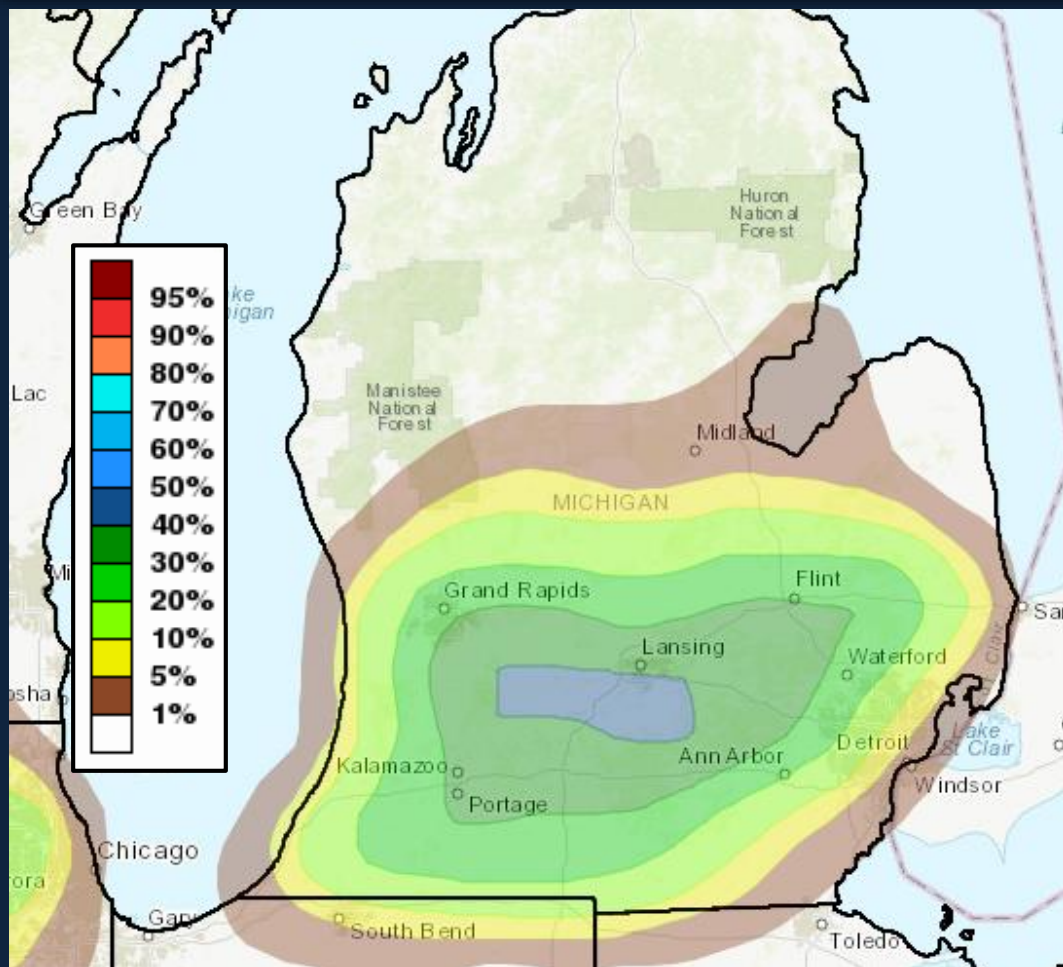
Delays, cancellations



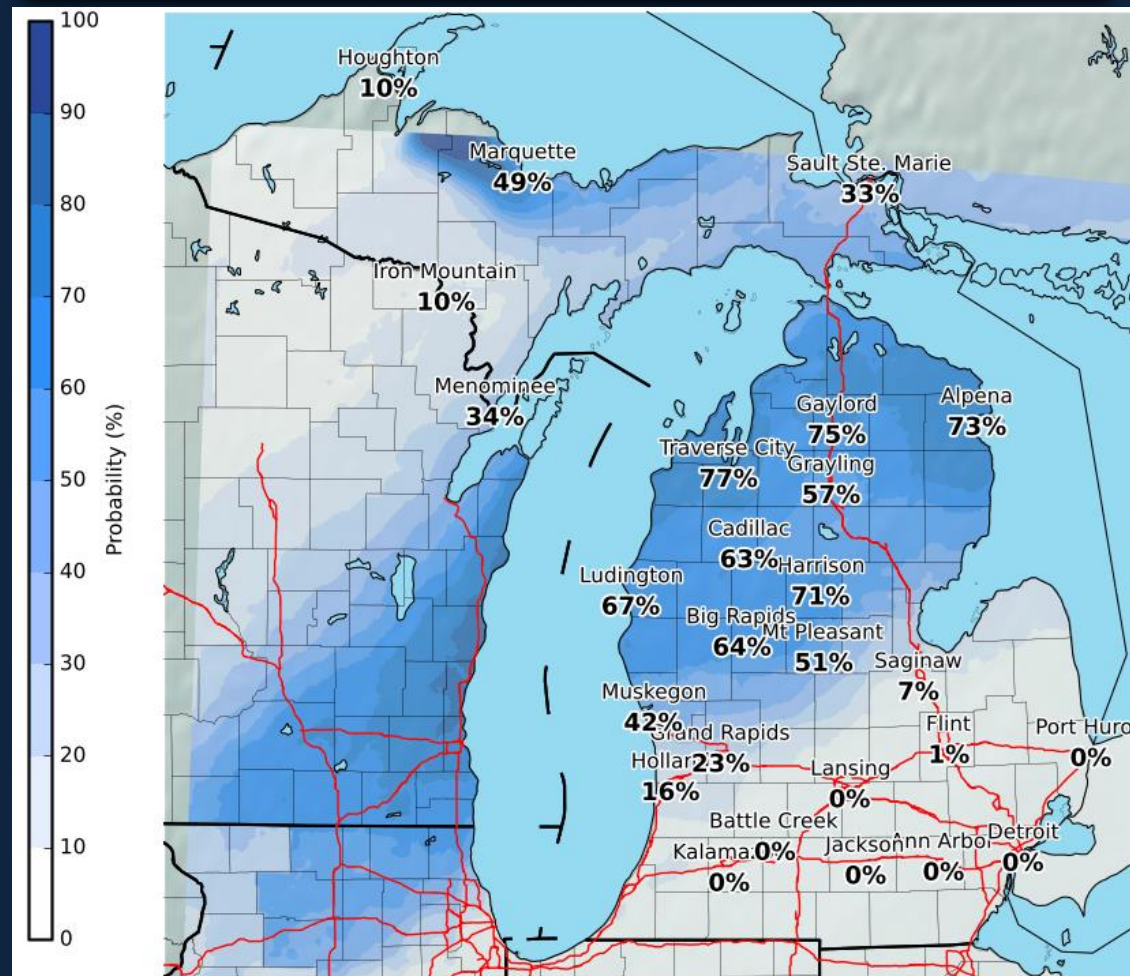
Probabilities of Significant Ice and Snow Accumulations

Saturday, January 11 - Sunday, January 12, 2020

% Chance of 0.50" of Ice or Greater



% Chance of 6" of Snow or Greater





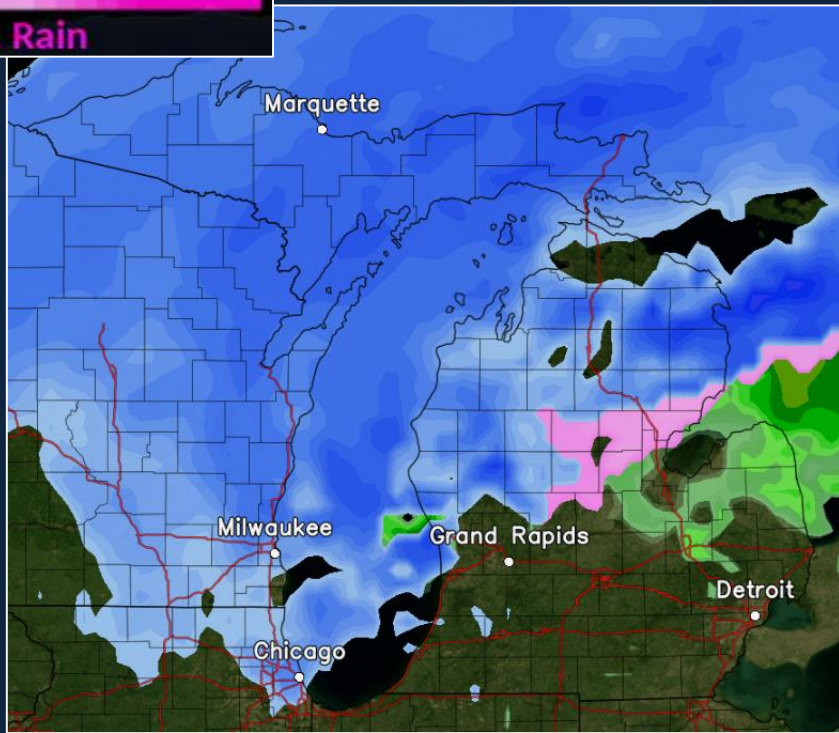
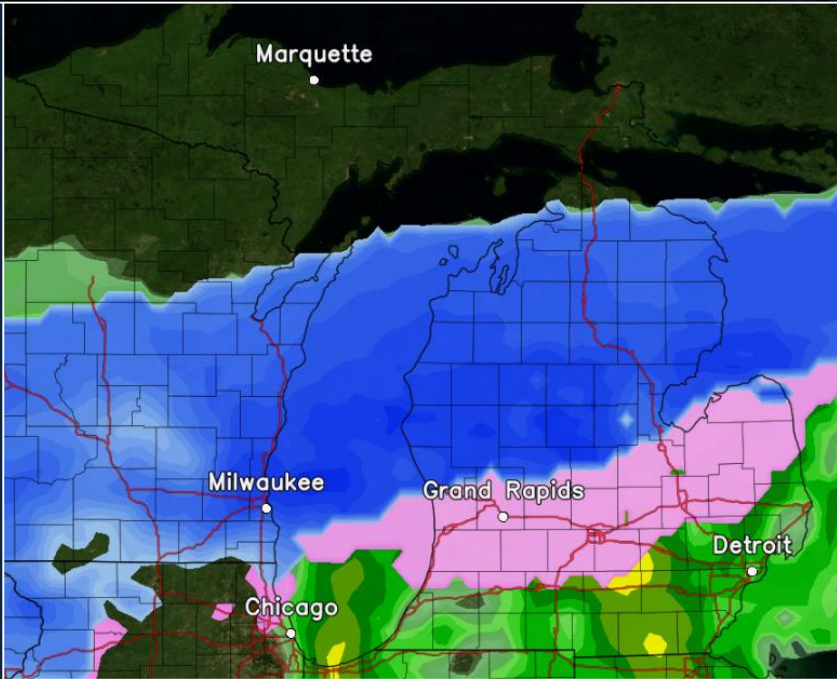
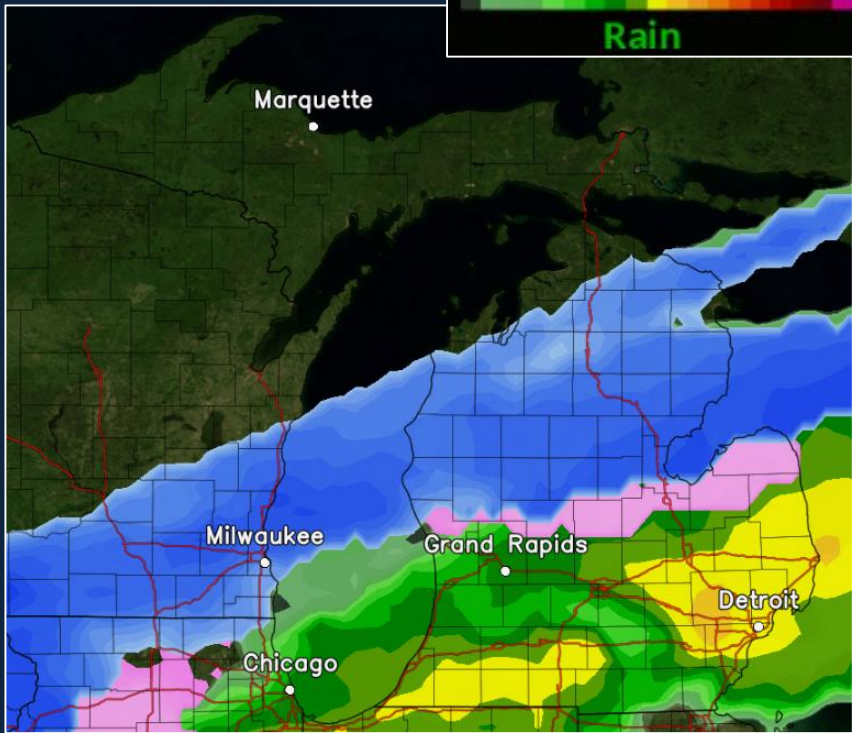
Precipitation Type Forecast

Saturday, January 11 - Sunday, January 12, 2020

Saturday Morning

Saturday Afternoon

Saturday Night/Early Sunday AM

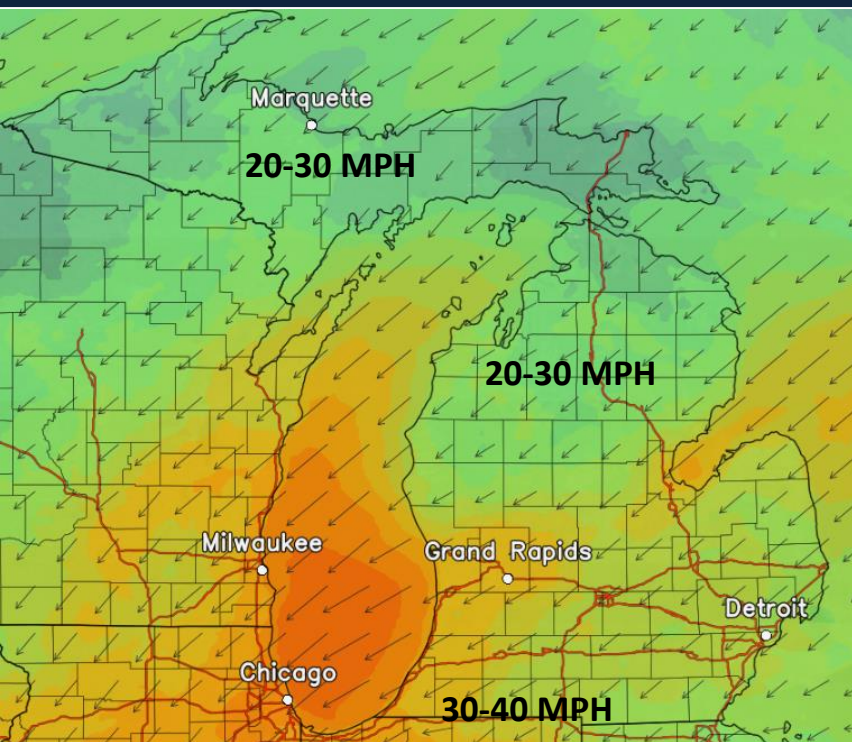




Wind Gust Forecast

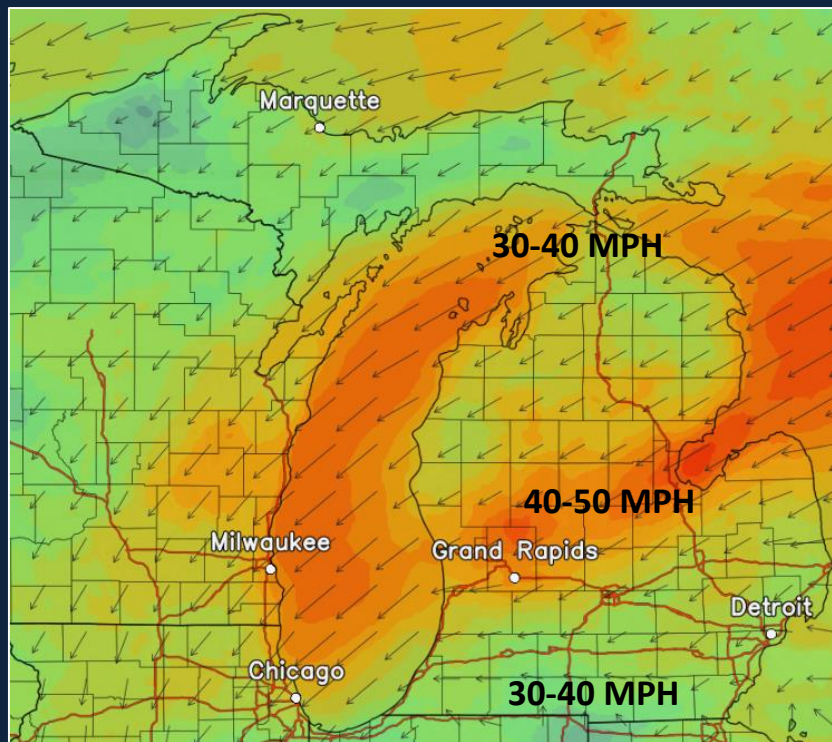
Saturday, January 11 - Sunday, January 12, 2020

Saturday Morning



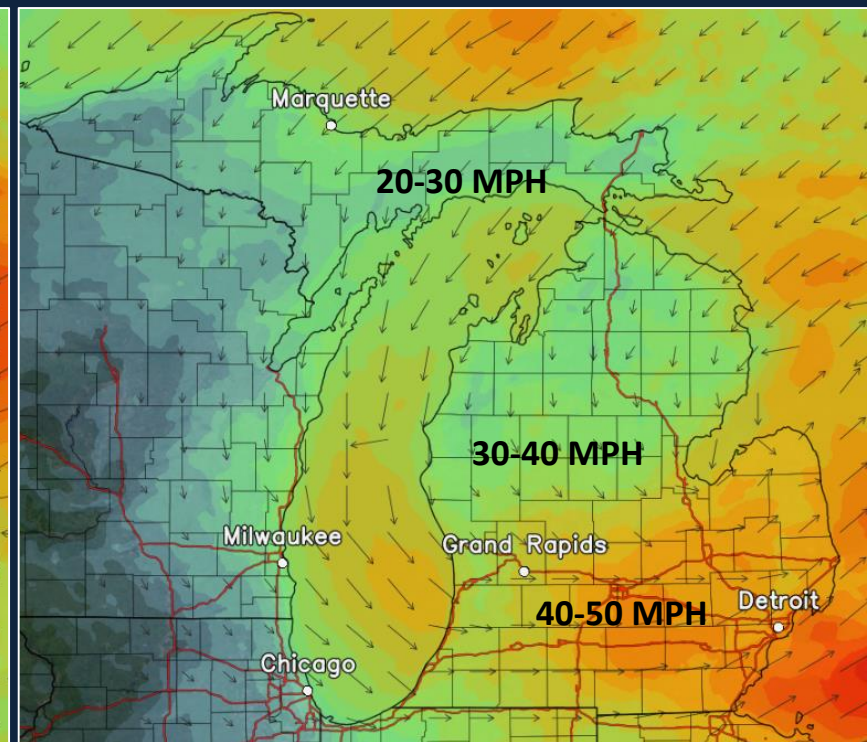
- Isolated power outages possible

Saturday Afternoon/Night



- Power outages likely
- Lakeshore flooding risk along Lake Huron, Saginaw Bay

Sunday Morning



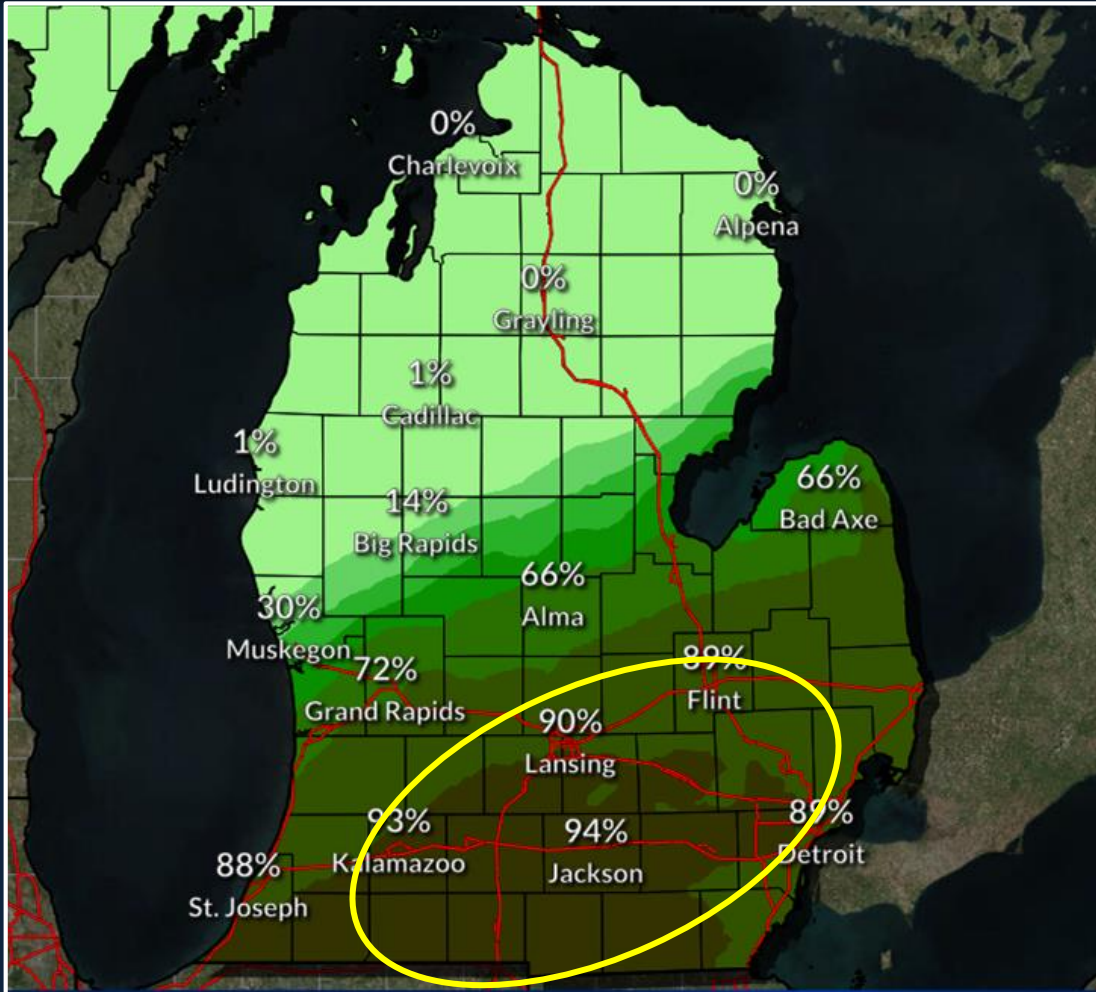
- Power outages likely
- Winds diminish to less than 15-20 mph by Sunday afternoon



Heaviest total precipitation falls along I-94 corridor

January 10-11, 2020

Chance of 2" or more precipitation totals



When:



Fri Night thru Sat Night

What to Expect:

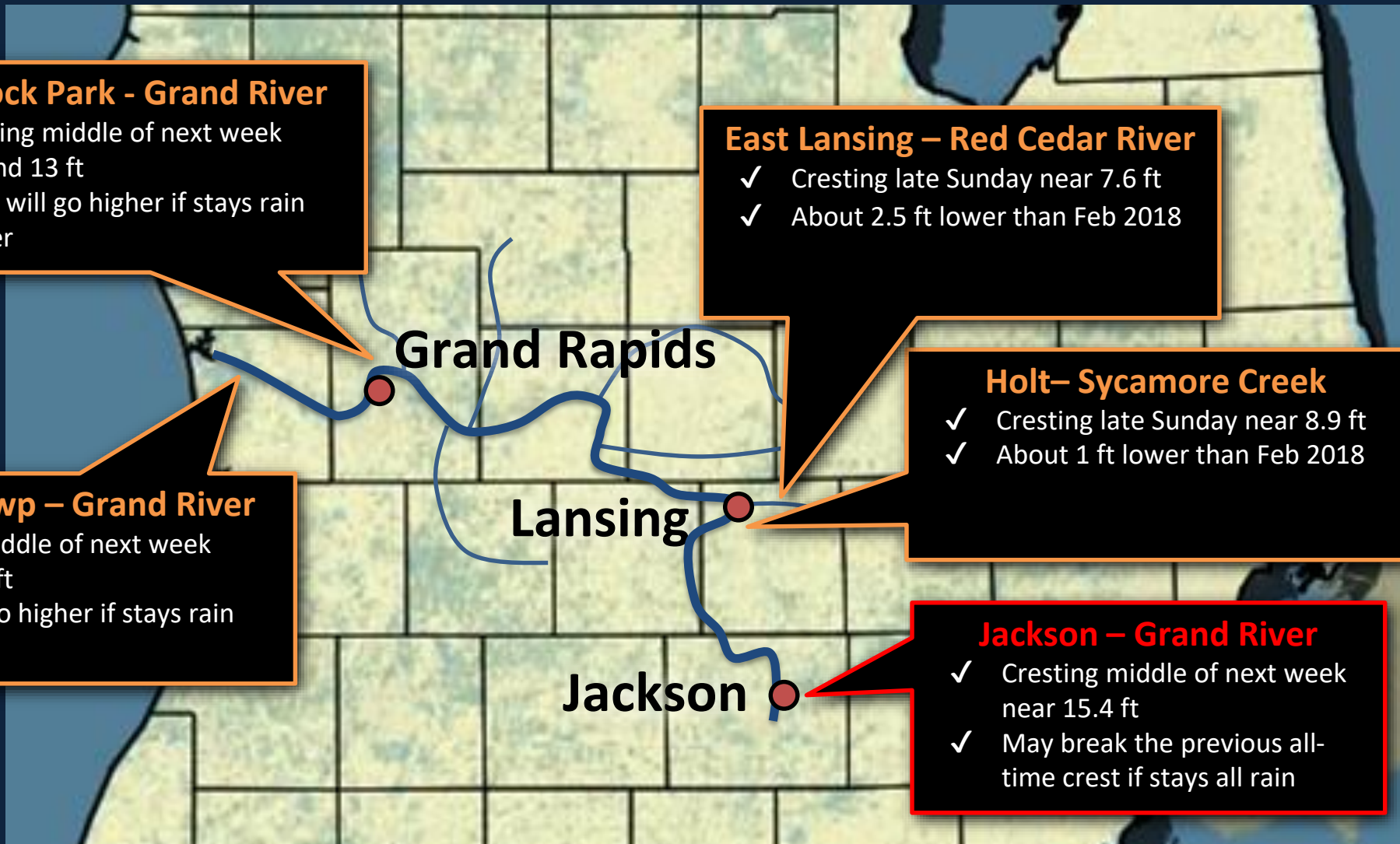
Highest totals south of a Kalamazoo-Lansing-Flint line

Flooding of Low Areas, Creeks, and Roadways



Grand River Flood Update

January 11-16, 2020

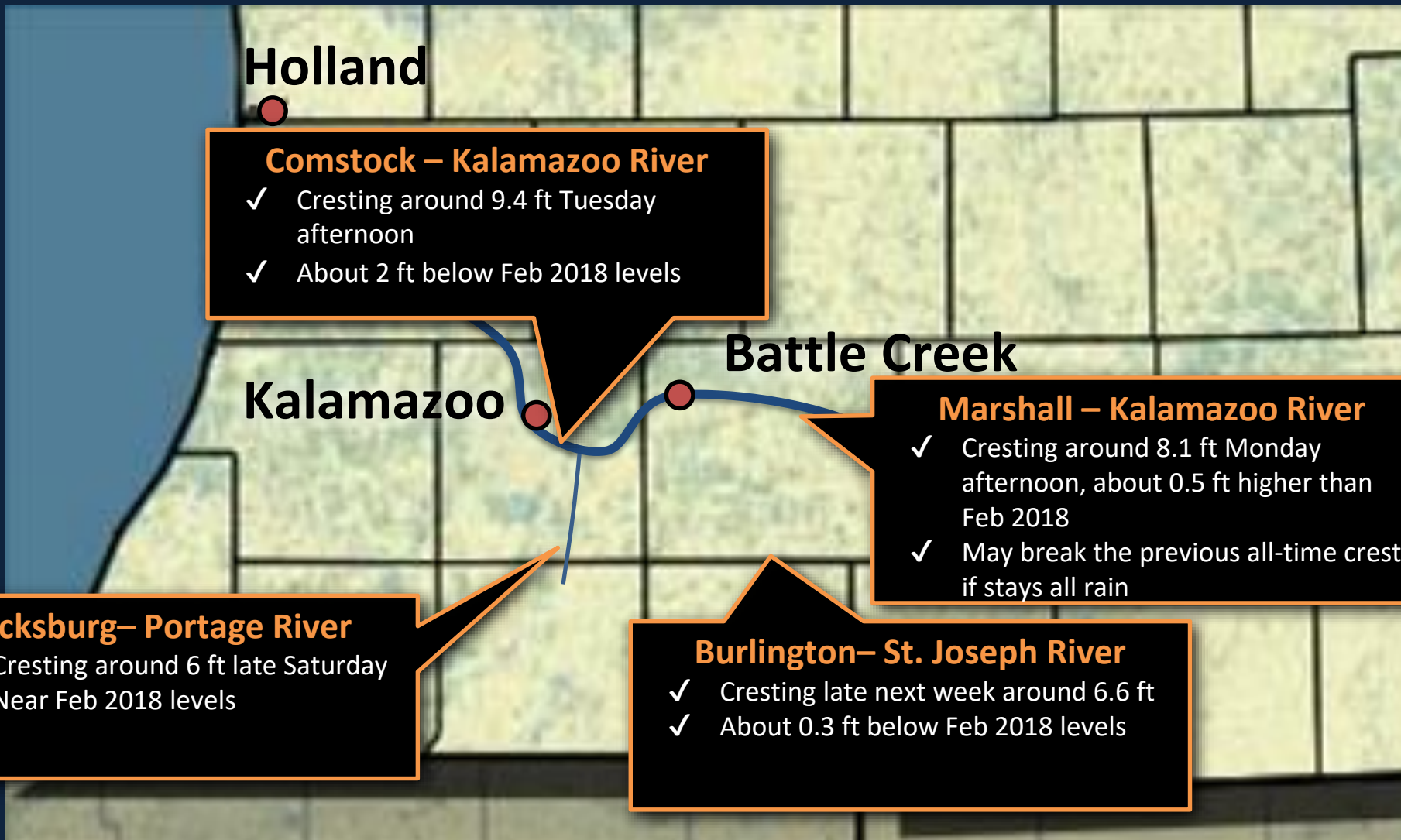


Flood Stage
Major
Moderate
Minor



Kalamazoo River Flood Update

January 11-16, 2020

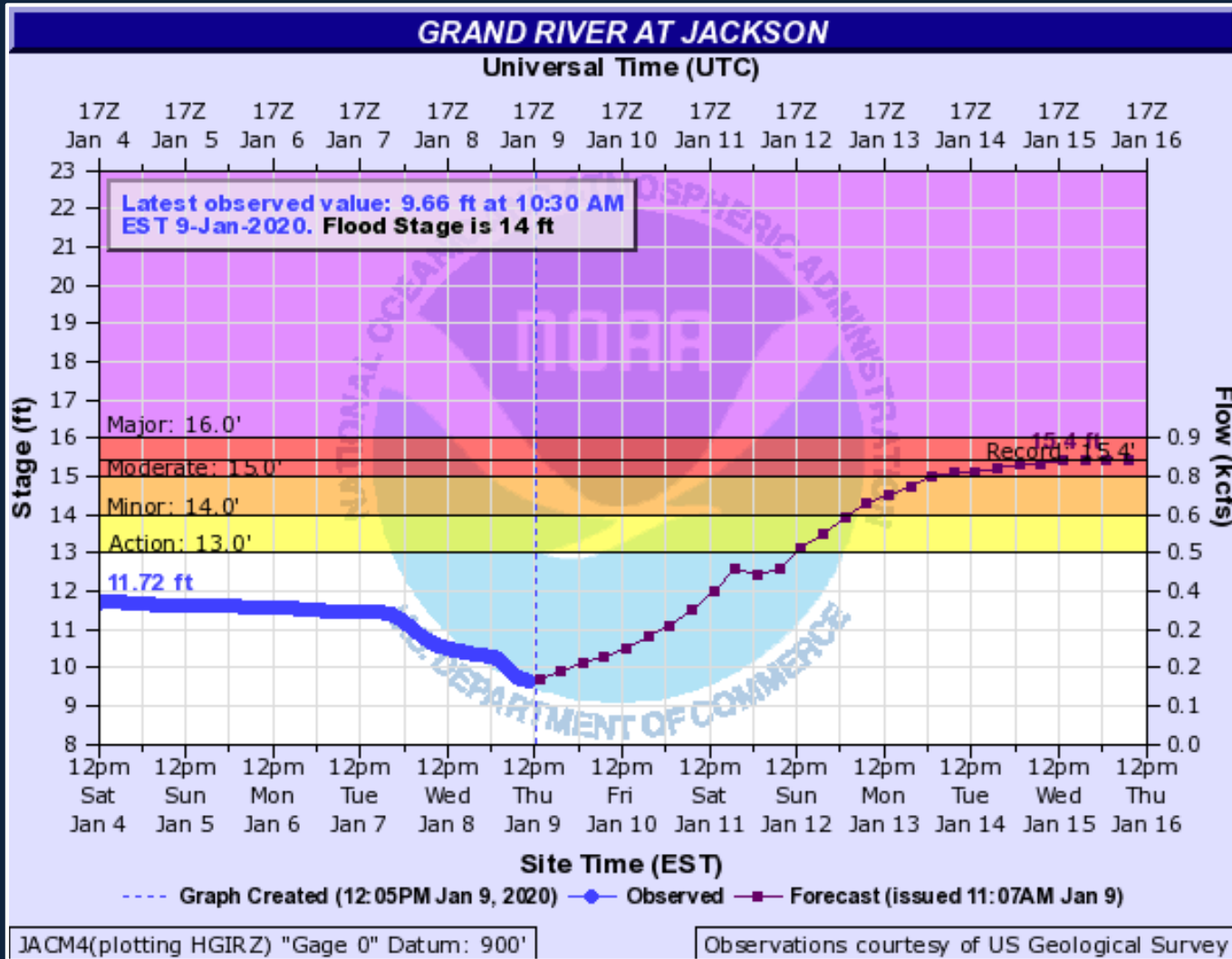


Flood Stage
Major
Moderate
Minor



Grand River at Jackson

January 11-16, 2020



Impacts:

Moderate flooding of homes along High St, Lewis St, and Losey St.

Traffic disrupted

Railroad tracks could be impacted



Overview of River Flood Severity

January 11-16, 2020

Major Flooding

- Extensive Inundation of Roads, Structures, and Communities
- Evacuations
- Movement of Property to Higher Elevations

Moderate Flooding

- Some Inundation of Roads, Structures, and Communities
- Possible Evacuations
- Movement of Property to Higher Elevations

Minor Flooding

- Minimal Property Damage
- Public Inconvenience

Moderate/Major Flooding Sites

- Grand River
- Jackson (Wed AM)

Several locations in Southeast Lower MI

Minor Flooding Sites

Grand River

- Comstock Park (Wed AM)
- Robinson Twp (Wed PM)

Sycamore Creek

- Holt (Sun PM)

Red Cedar

- East Lansing (Mon AM)

Kalamazoo River

- Marshall (Sun PM)
- Comstock (Tue PM)

St. Joseph River

- Burlington (Thu PM)

Portage River

- Vicksburg (Sat PM)



Ways to Receive Weather Information

Saturday, January 11 - Sunday, January 12, 2020



<http://www.weather.gov/grr>



<https://www.facebook.com/NWSGrandRapids>



<https://twitter.com/nwsgrandrapids>

NWS River Forecasts: <https://water.weather.gov/ahps/>

Weather.gov/GrandRapids