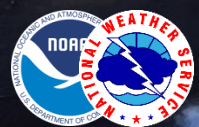
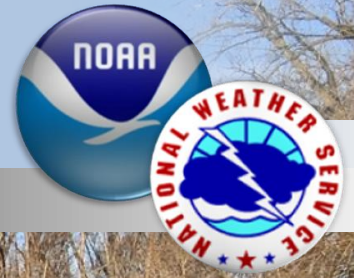
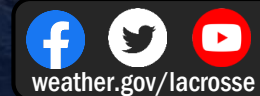


# 1<sup>st</sup> 2020 Spring Flood Outlook

Released Thursday February 13<sup>th</sup>



NATIONAL WEATHER SERVICE-LA CROSSE, WI



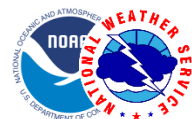
# Main Message

River	Spring Flood Risk
Mississippi River (Main-Stem)	Well above normal
Mississippi Tributaries	Above Normal (Variable)

## Contributing Factors

- High River Levels
- High Soil Moisture
- Deep Snowpack (northern areas)





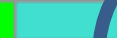
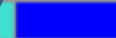
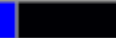
**IMPORTANT:** This forecast heavily depends on future precipitation and temperature trends. Conditions over the next 4-6 weeks will be key in determining how the flooding situation will evolve.



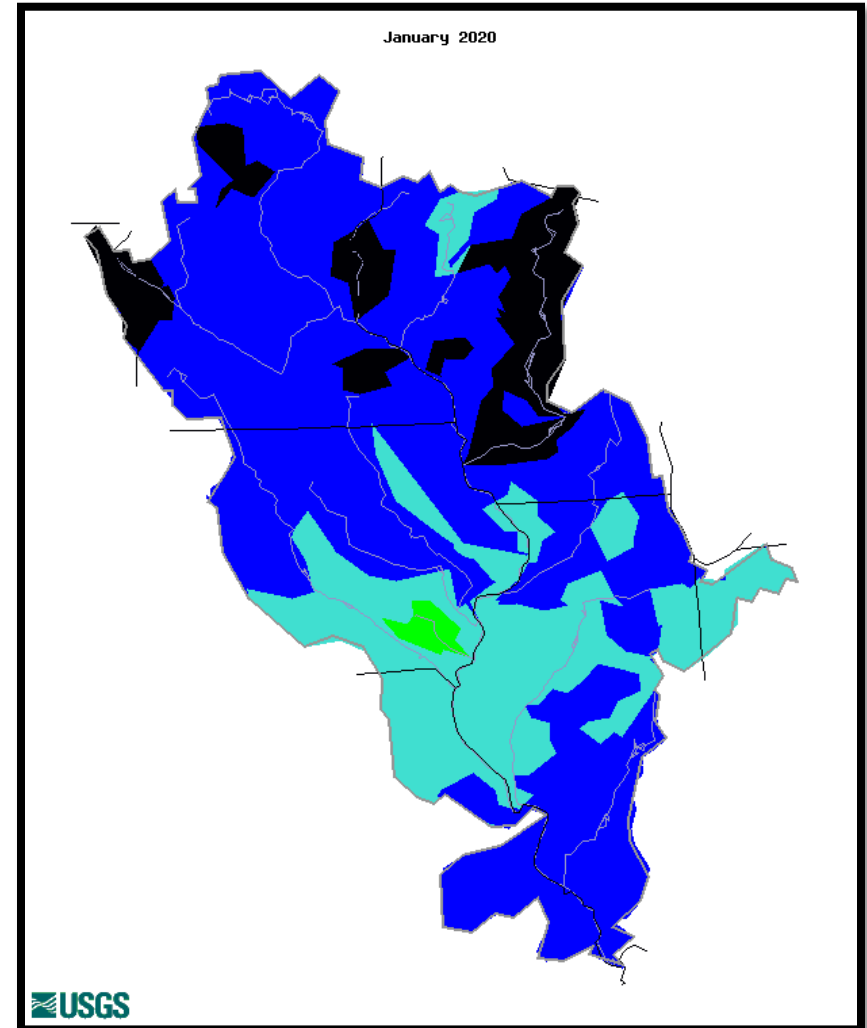
# Monthly Average Streamflow

## Upper Mississippi Basin

January 2020

Explanation - Percentile classes							
							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

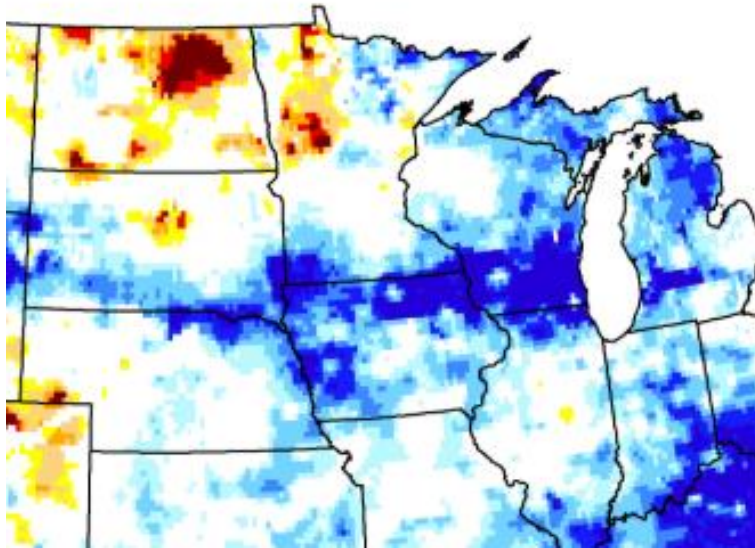
**Much above normal streamflow for  
this time of year**



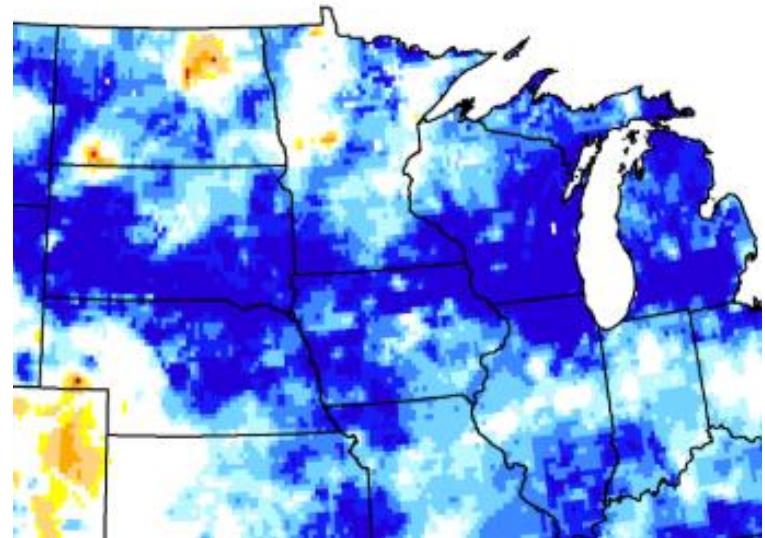


# Surface Soil Moisture

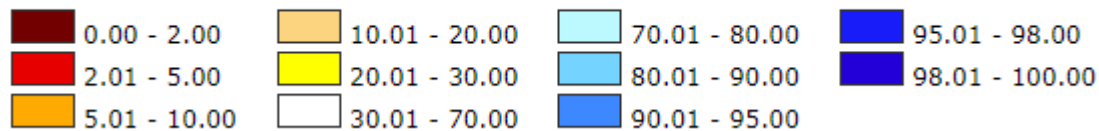
February 2019



February 2020

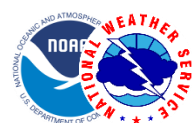
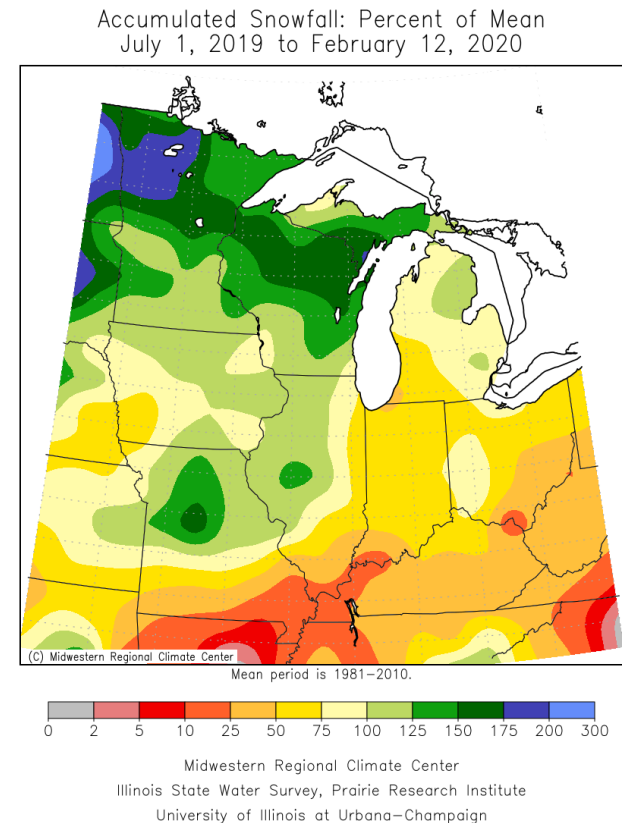
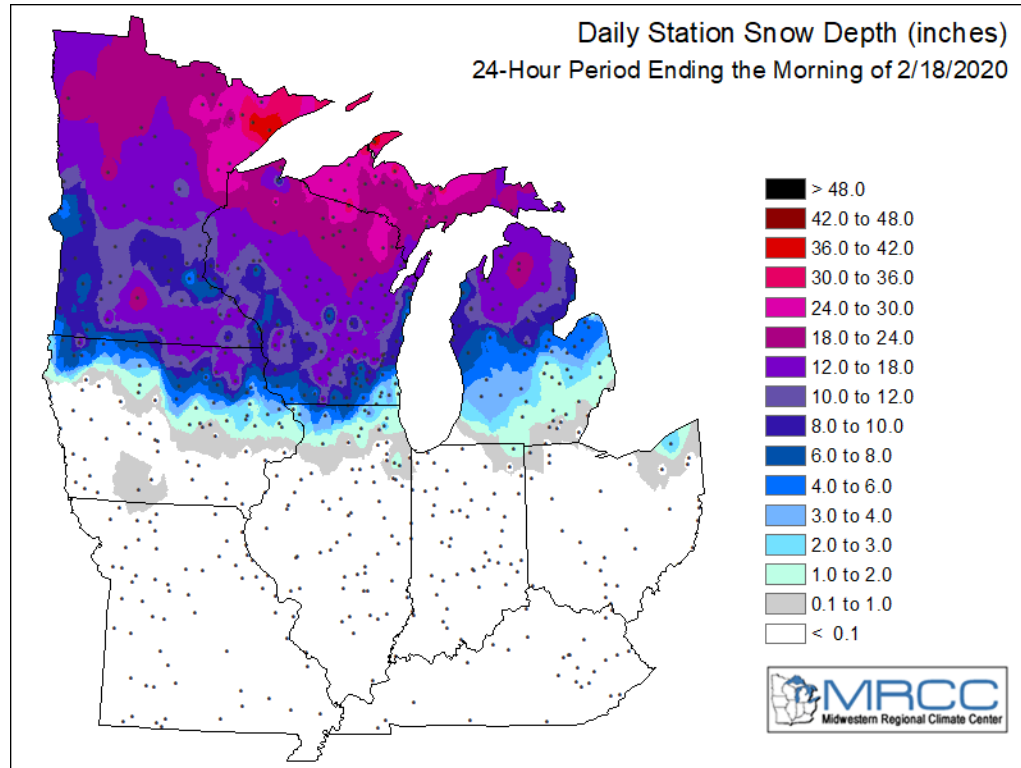


Wetness Percentiles Relative to period 1948-2009



# Snowfall So Far....

**Above normal snowfall in northern areas. Near normal along and south of Interstate 90**



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# Snow Liquid

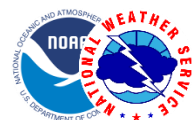
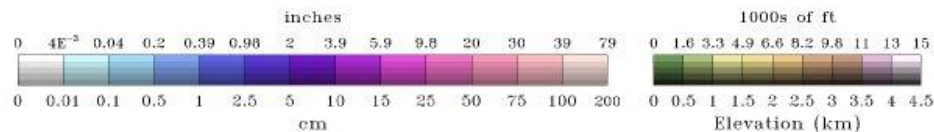
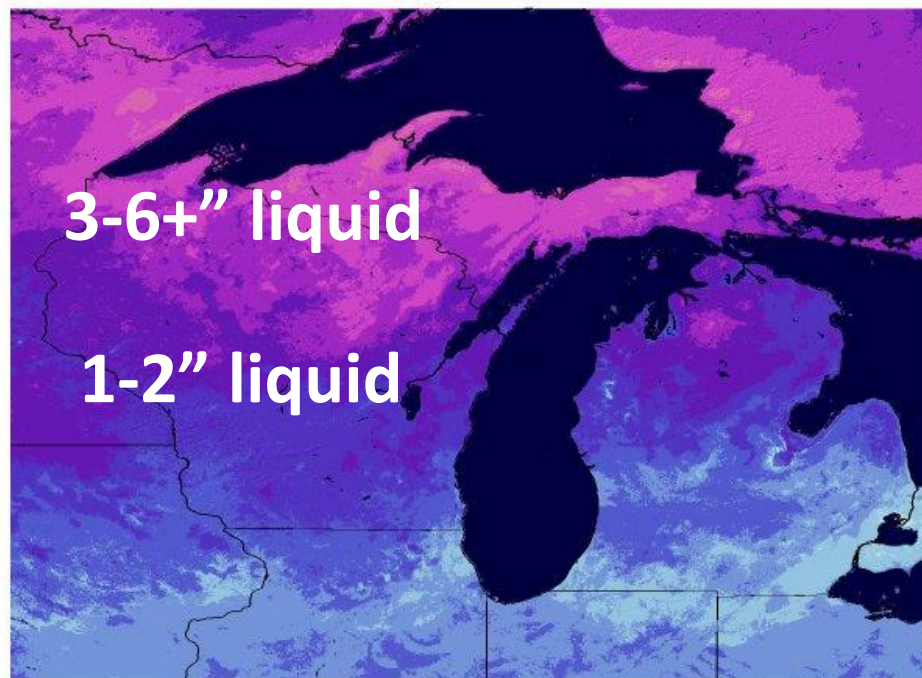
High water content in  
snowpack across northern  
Minnesota and northern  
Wisconsin

National Snow 2019-  
Analysis 2020

OWP OFFICE OF  
WATER  
PREDICTION

## Snow Water Equivalent

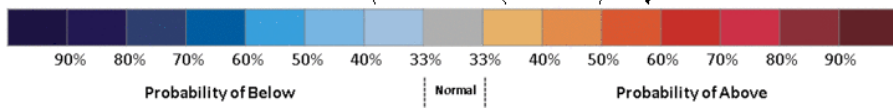
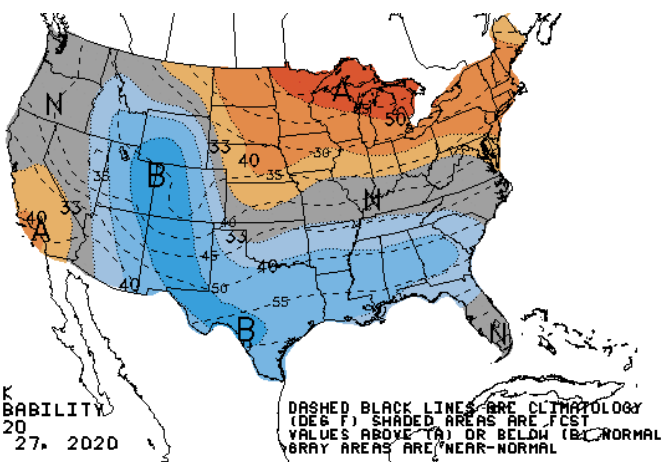
2020-02-13 06 UTC



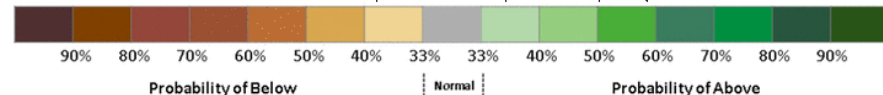
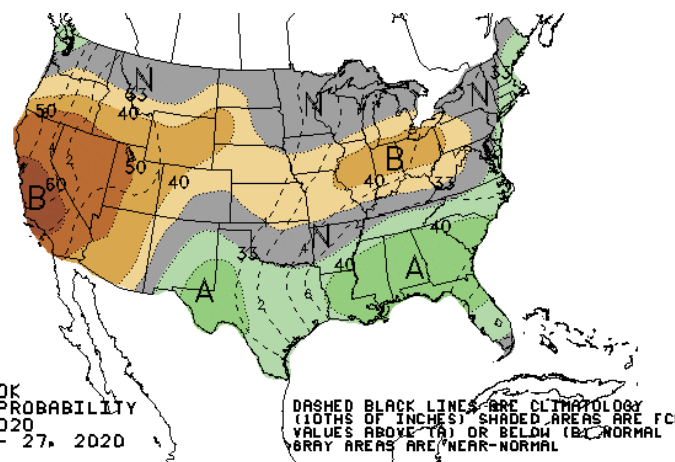
NATIONAL WEATHER SERVICE-LA CROSSE, WI

# Feb 21-27 Outlook

## Temperatures

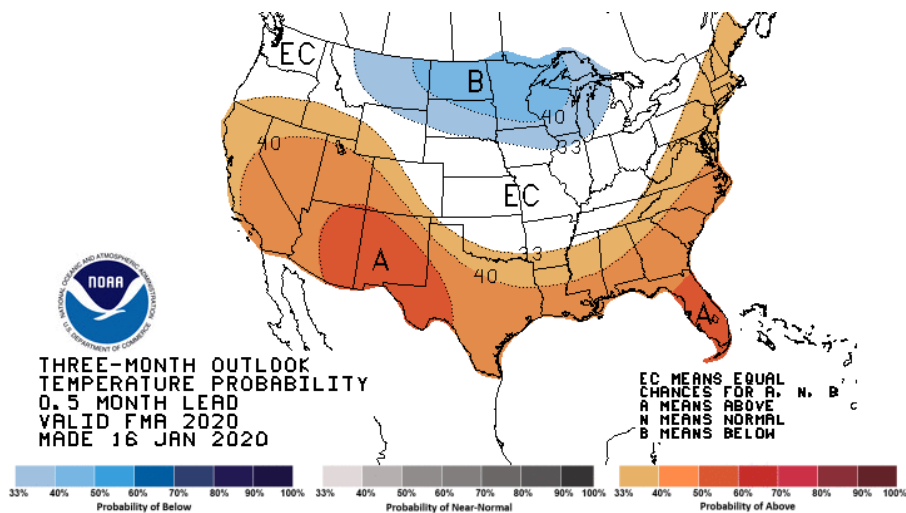


## Precipitation

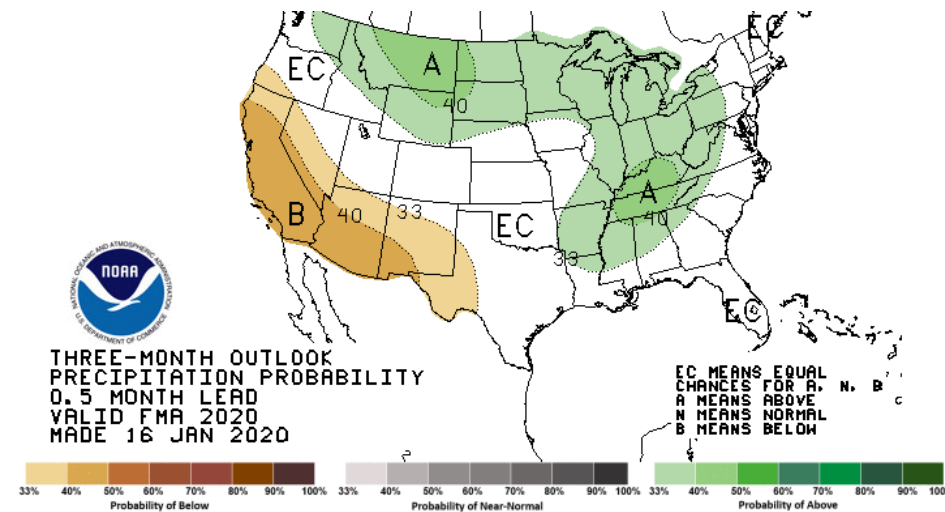


# Feb-Mar-Apr Outlook

## Temperatures

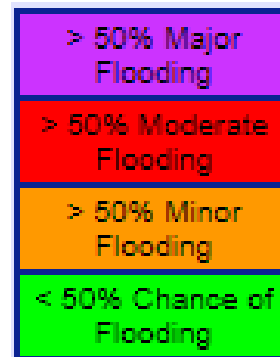
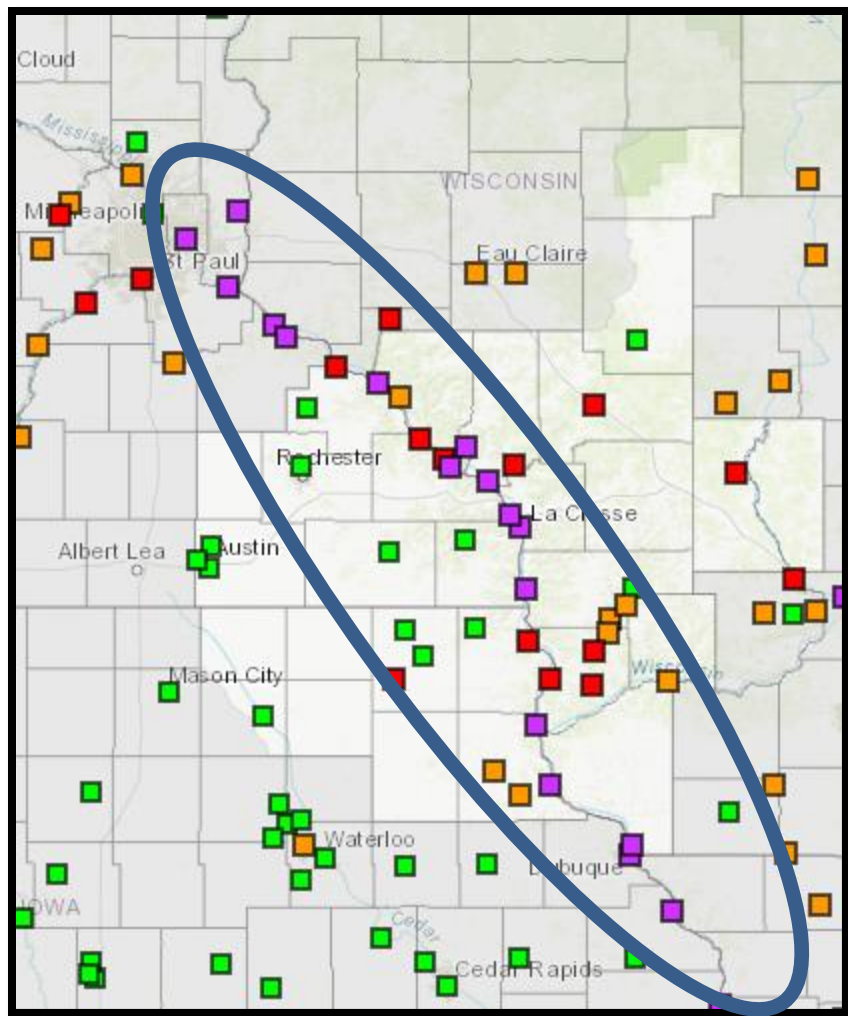


## Precipitation



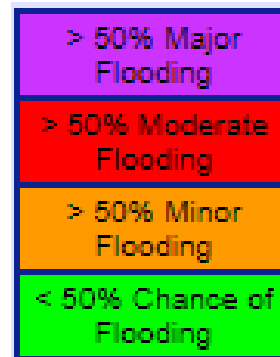
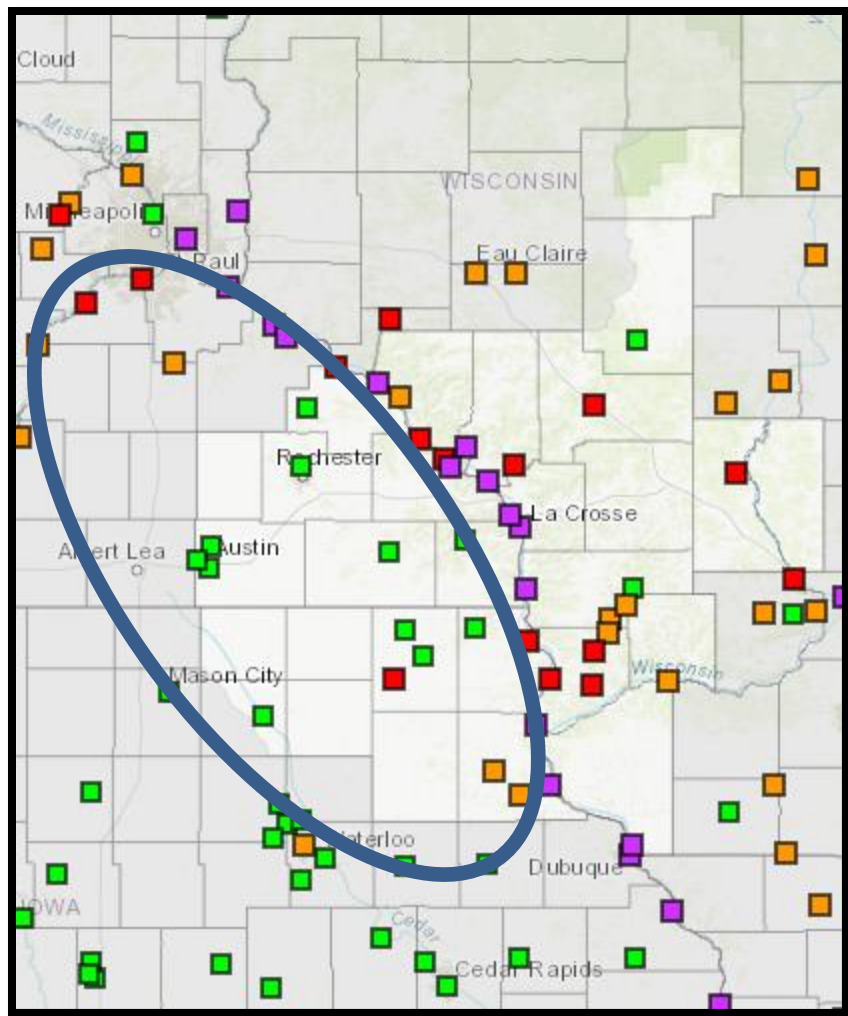


# Long-Range Probabilities



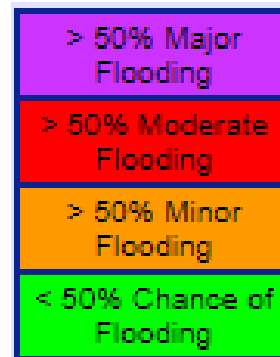
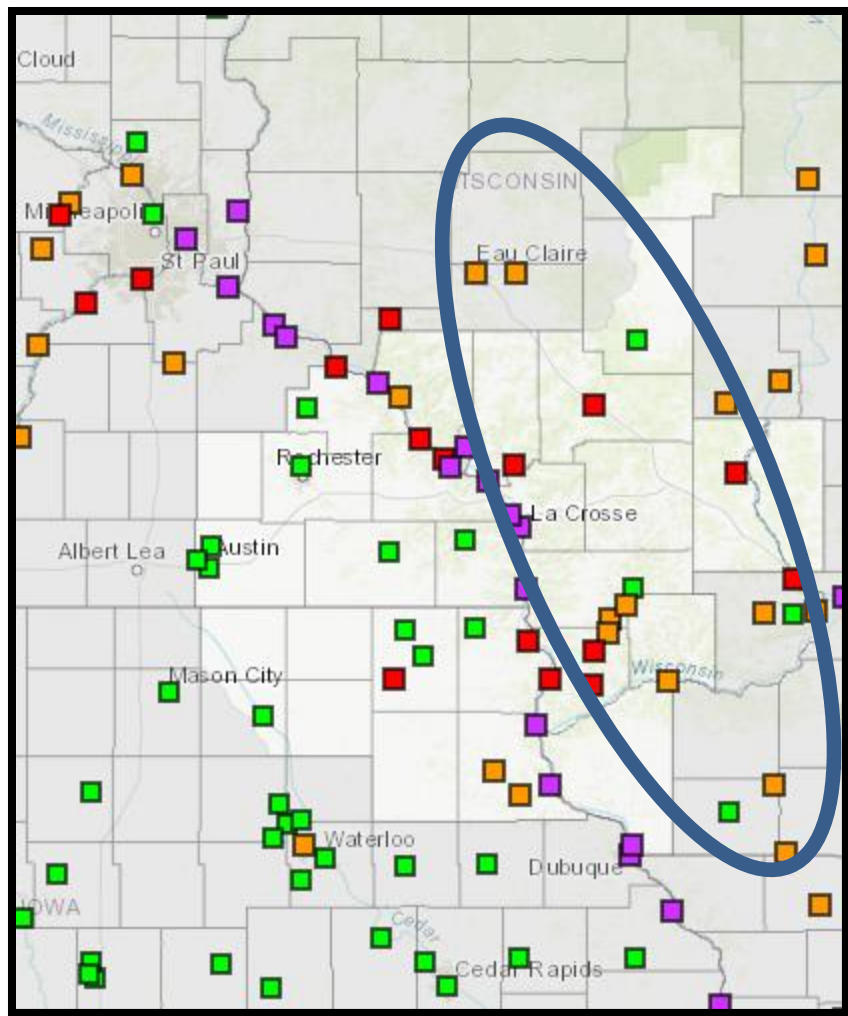
**Well above normal risk for flooding along the Main-stem of the Mississippi River**

# Long-Range Probabilities



**Variable risk for flooding over southeast Minnesota and northeast Iowa (near normal to above normal risk)**

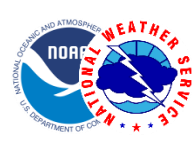
# Long-Range Probabilities



**Above-normal risk for flooding  
across western into central  
Wisconsin**

# Summary

- **High probabilities for at least minor flooding at many locations**
- **Main-stem of the Mississippi has higher chances for minor to moderate flooding**
- **While there is the potential for major flooding at some locations, this is far from certain**
- **Risk depends on future precipitation and temperature trends. Conditions over the next 4-6 weeks will be key in determining how the flooding situation will evolve.**





# 2020 Spring Flood Outlook

- **Next outlook: Thursday February 27<sup>th</sup> with a third outlook scheduled for Thursday March 12<sup>th</sup>**
- **Monitor later forecast and information from the National Weather Service closely**

**Website for the latest Information:**  
**[weather.gov/lacrosse/2020FloodOutlook](https://weather.gov/lacrosse/2020FloodOutlook)**

