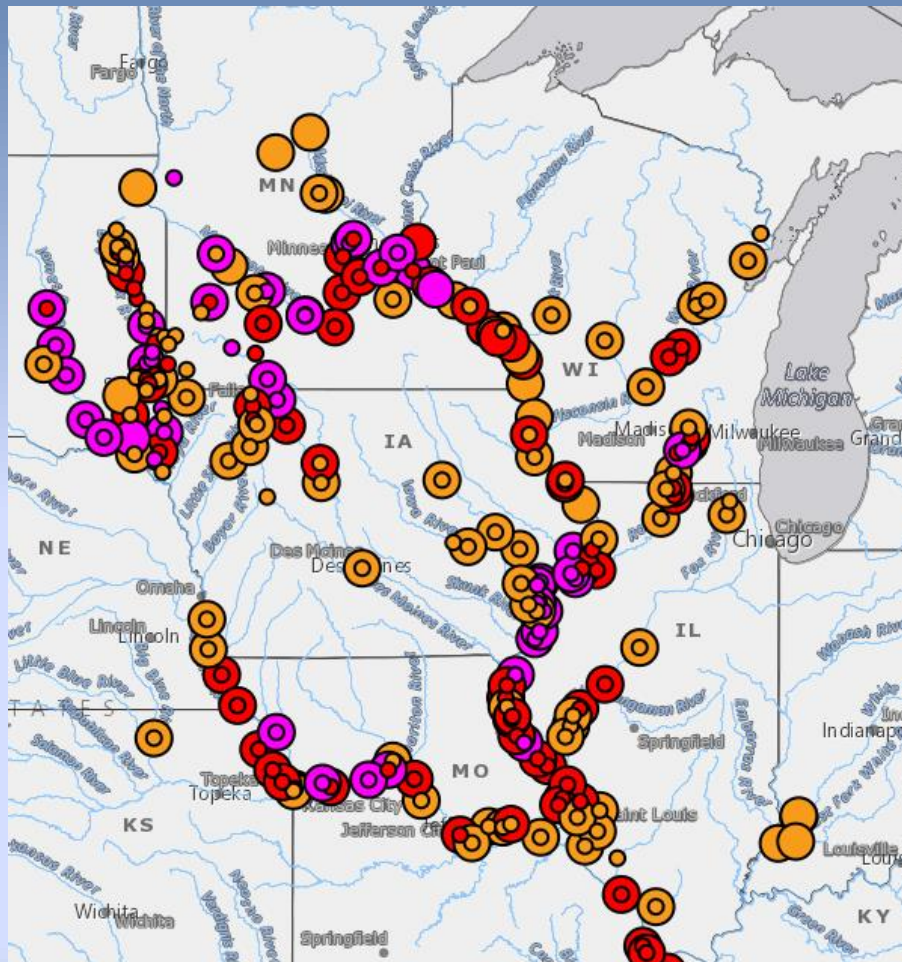




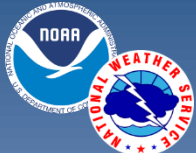
NWS Quad Cities Flood Update

March 25, 2019

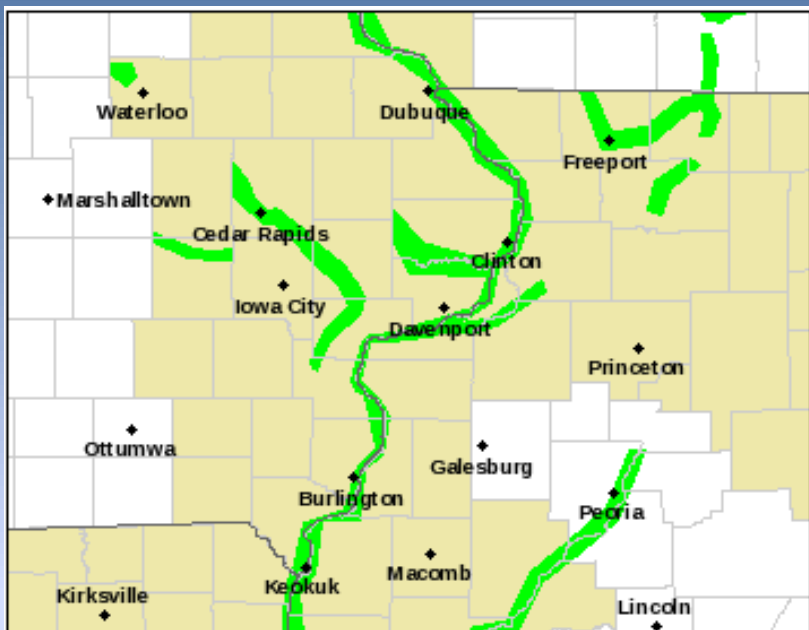


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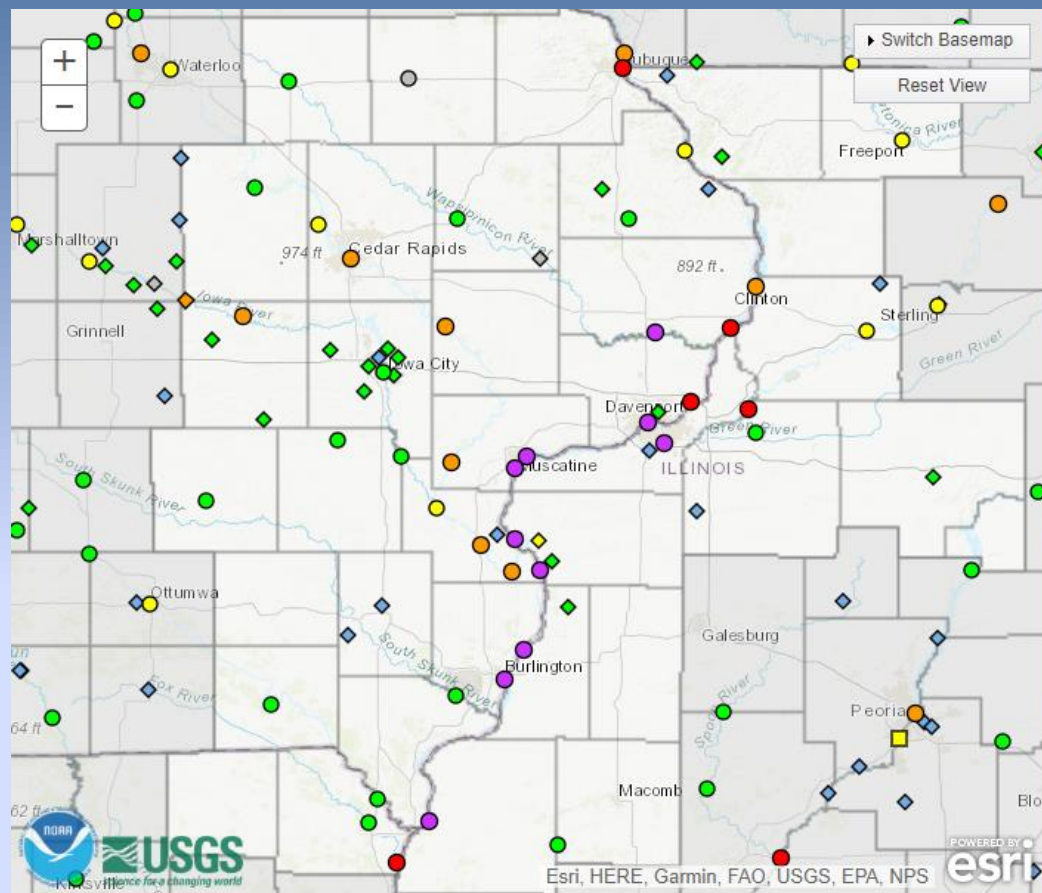


Current Warnings



**Flood Warnings remain on the
Pecatonica & Rock Rivers in Illinois
& the Wapsipinicon, Cedar, & Iowa
Rivers in Iowa.**

**** All are observing receding levels!**

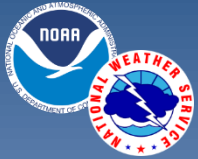


Mississippi River Continues to Rise



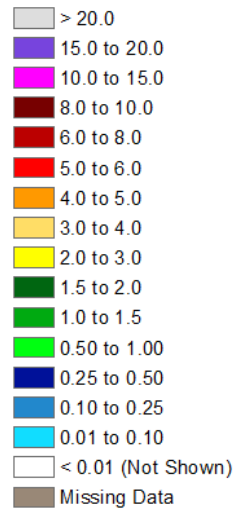
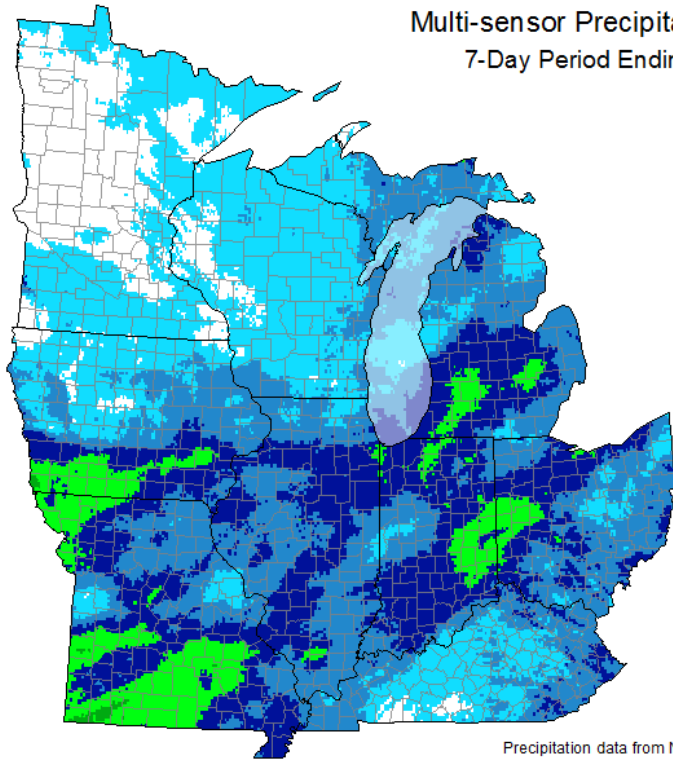
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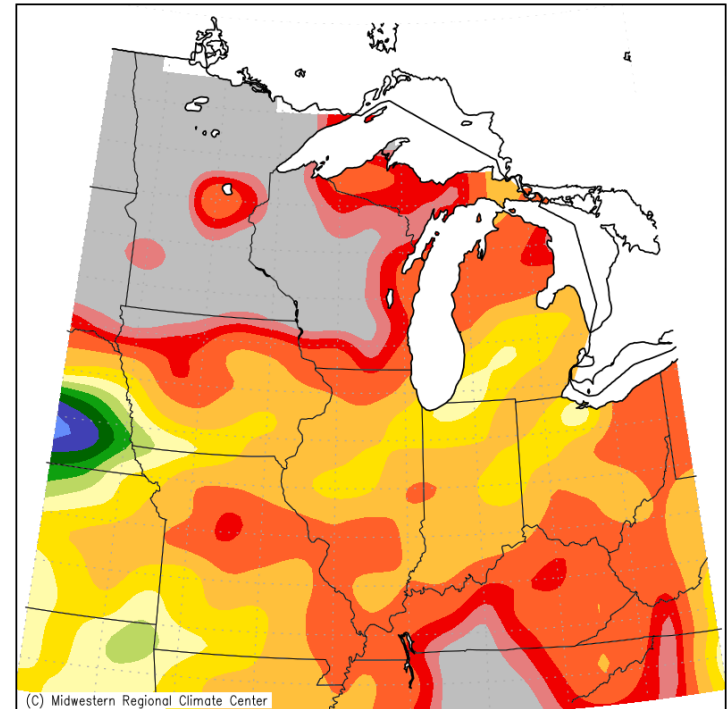
Observed Precipitation: 3/18 – 3/24

Multi-sensor Precipitation: Observed (inches)
7-Day Period Ending the Morning of 3/24/2019

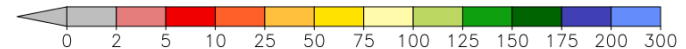


Precipitation data from NWS AHPS: <http://water.weather.gov/precip>

Accumulated Precipitation: Percent of Mean
March 18, 2019 to March 24, 2019



Mean period is 1981–2010.

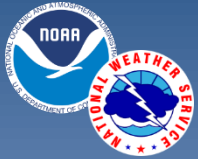


Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign



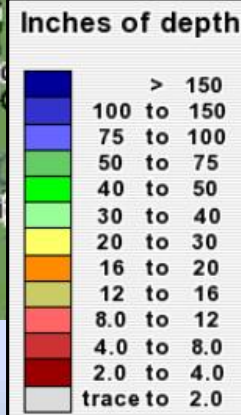
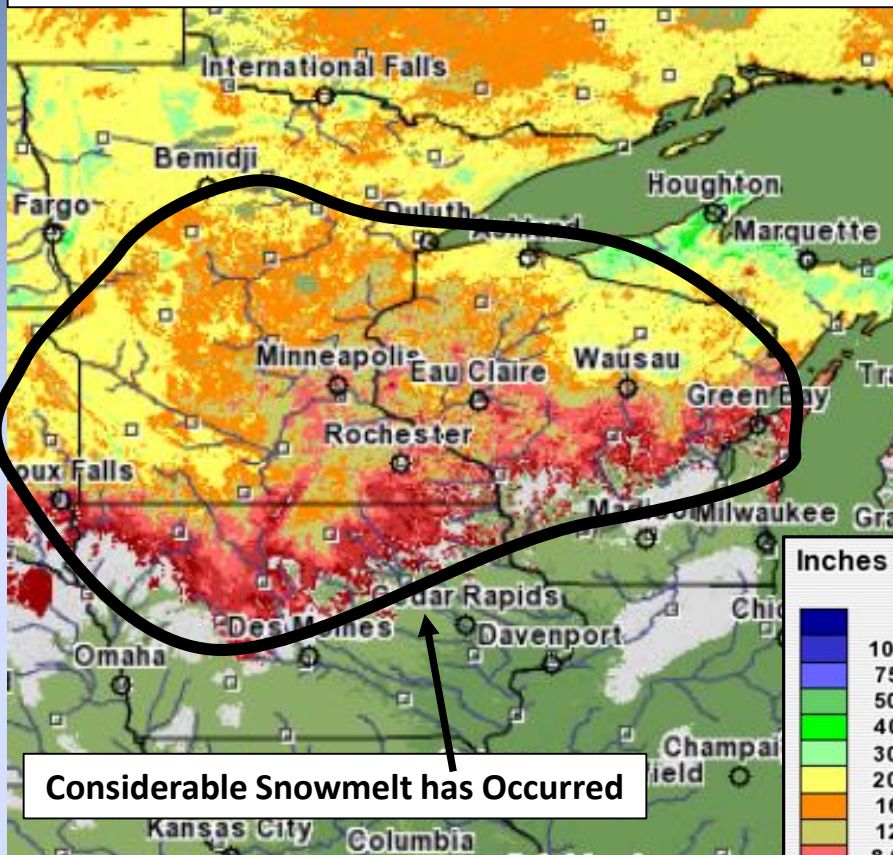
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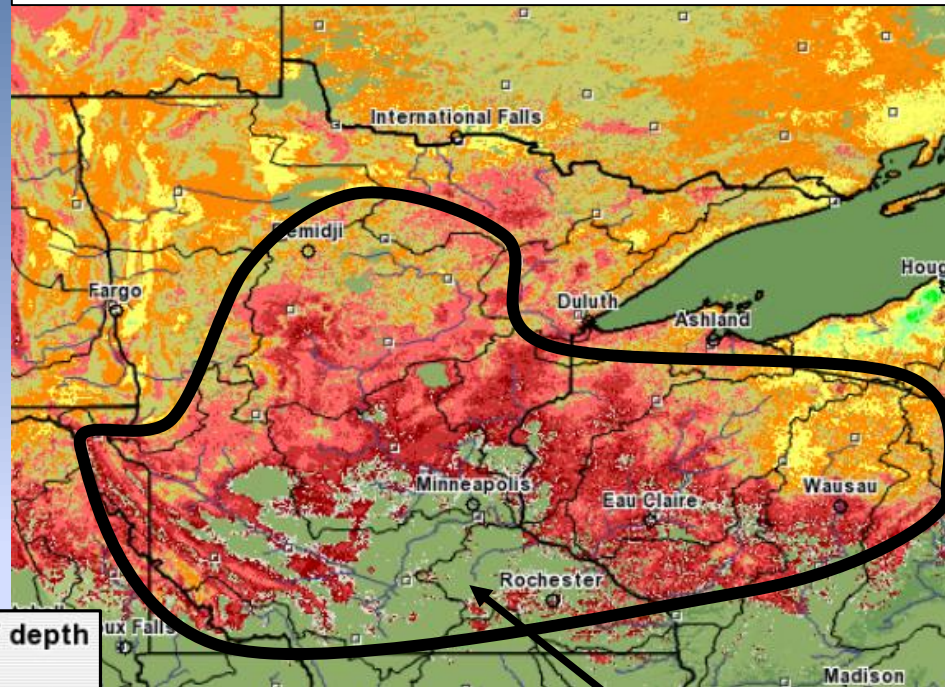


Snowpack Change in the Past 10 Days

Snow Depth – March 15, 2019



Snow Depth – March 25, 2019



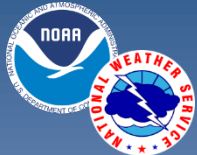
Snowpack that remains in the
Mississippi River Basin

**All snow has melted in local
tributary watersheds.**

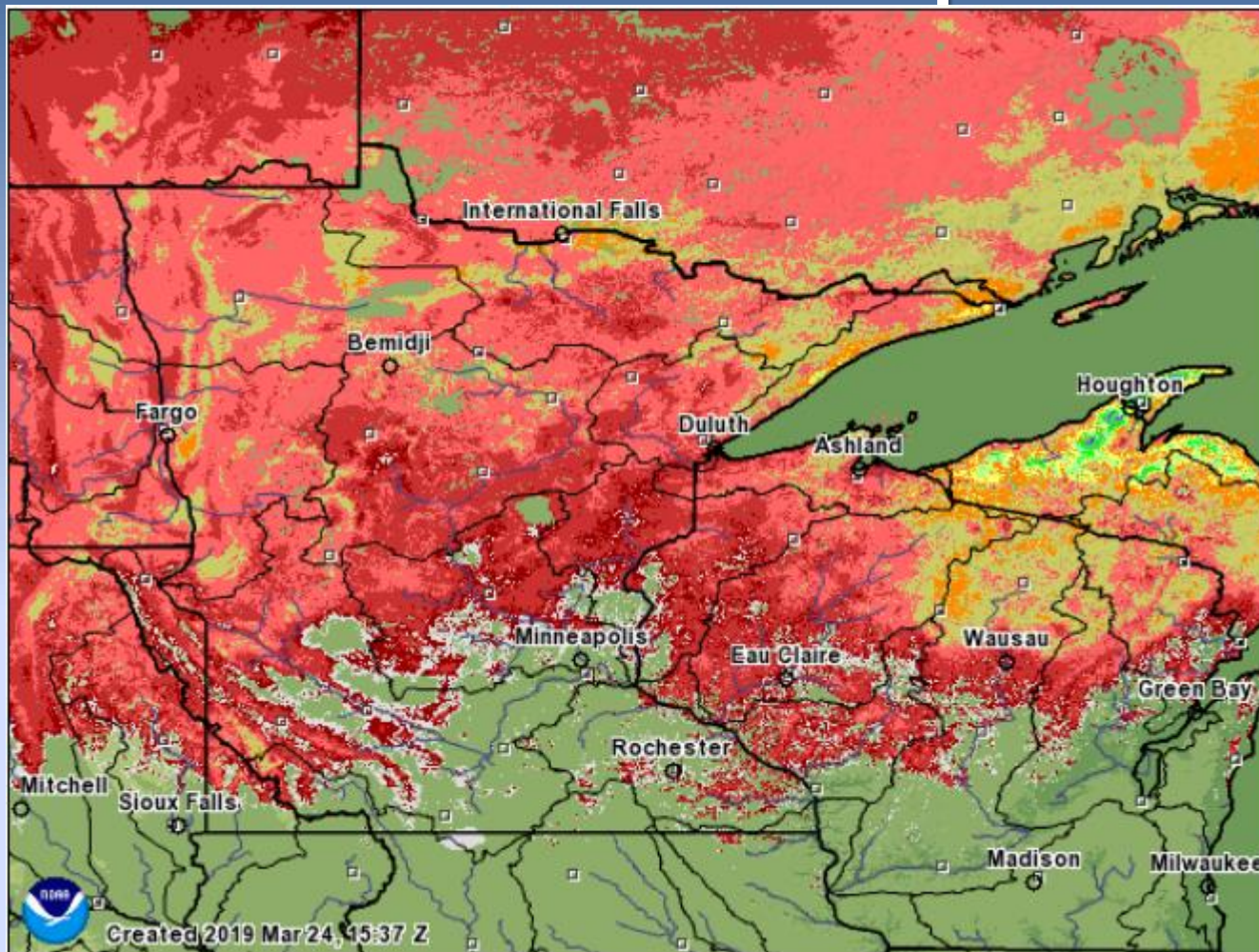


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Current Snow Water Equivalent



Inches of
water
equivalent

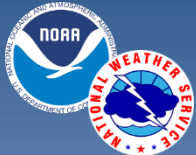


Remaining liquid water in the snow available for
runoff as of 3/25/2019



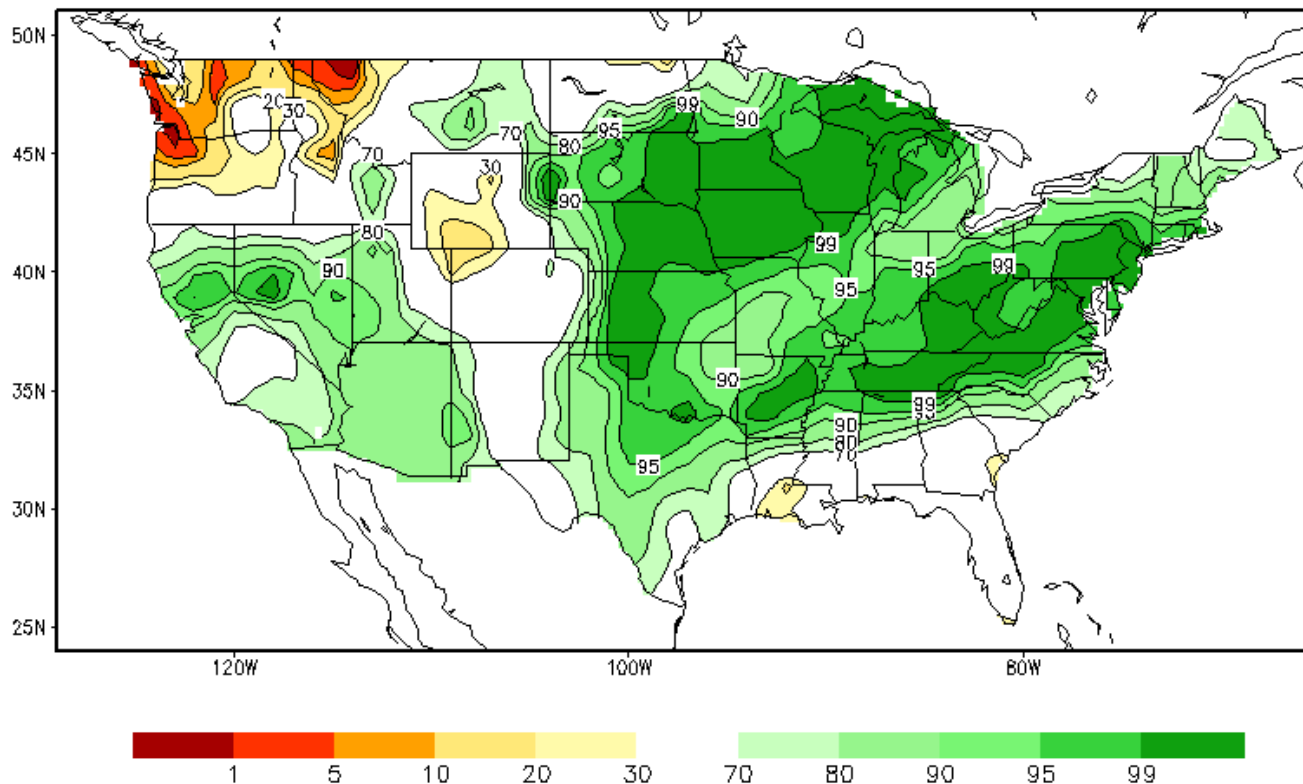
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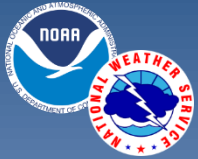
Current Soil Moisture

Calculated Soil Moisture Ranking Percentile
MAR 24, 2019

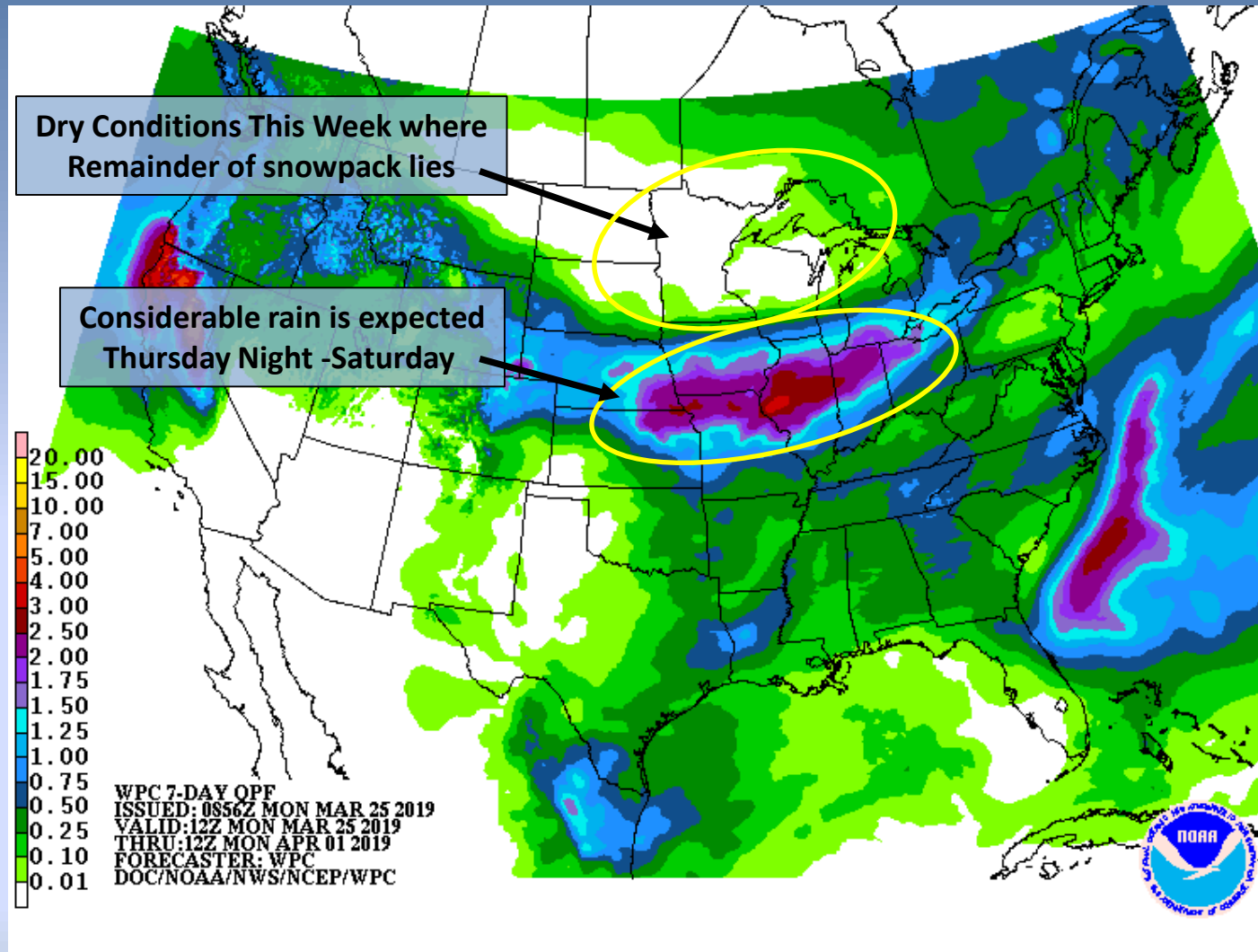


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7-Day Forecast Precipitation



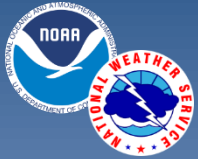
New rises will be likely on local rivers, the eventual peak of the rises is still uncertain.

Warmer temperatures are also expected for Wednesday & Thursday, then cooler for the weekend and beyond.

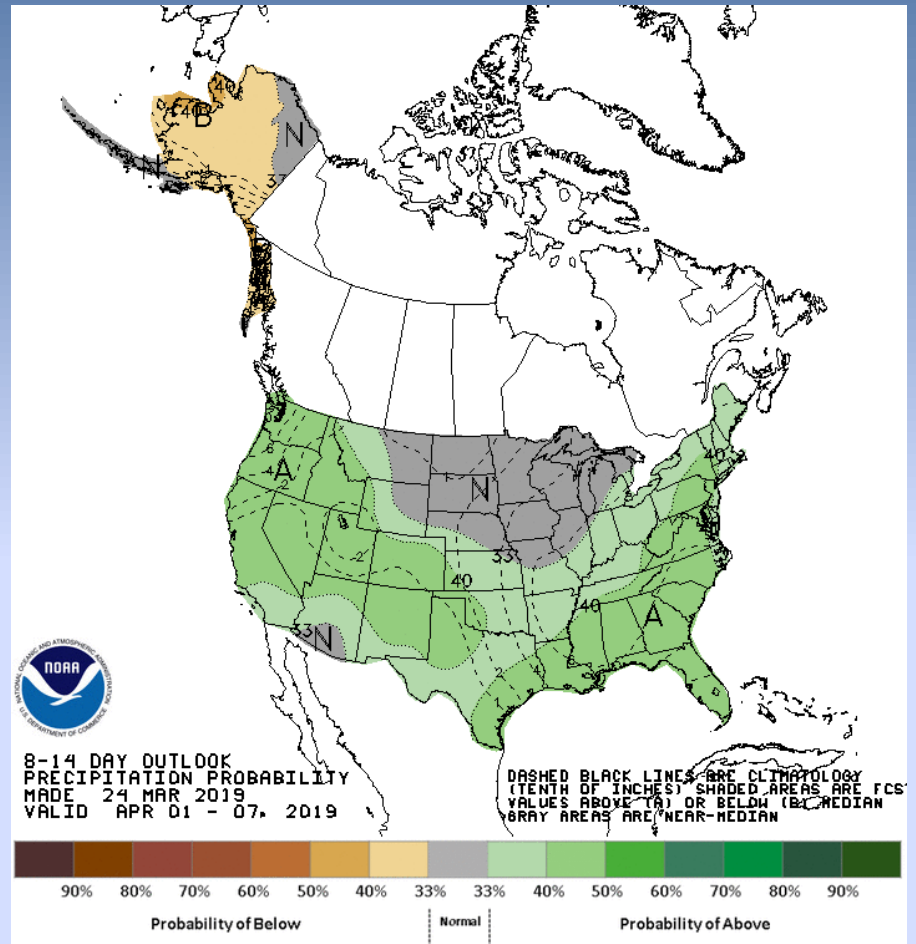
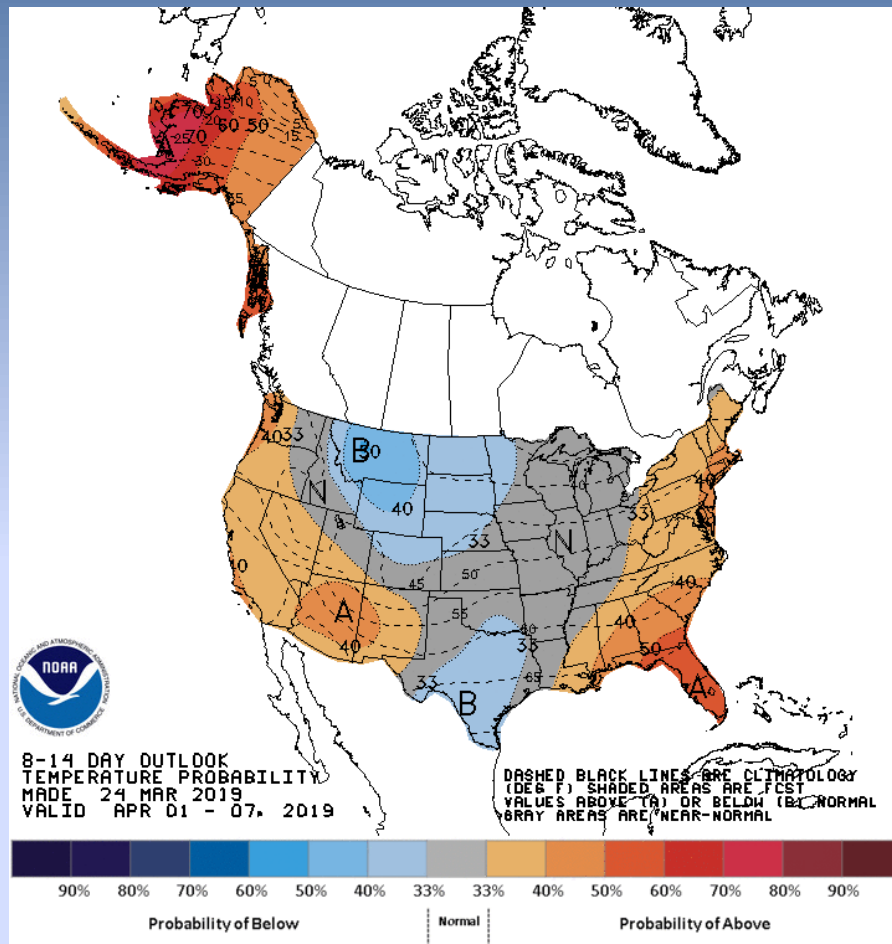


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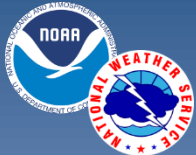


Week 2 Outlook

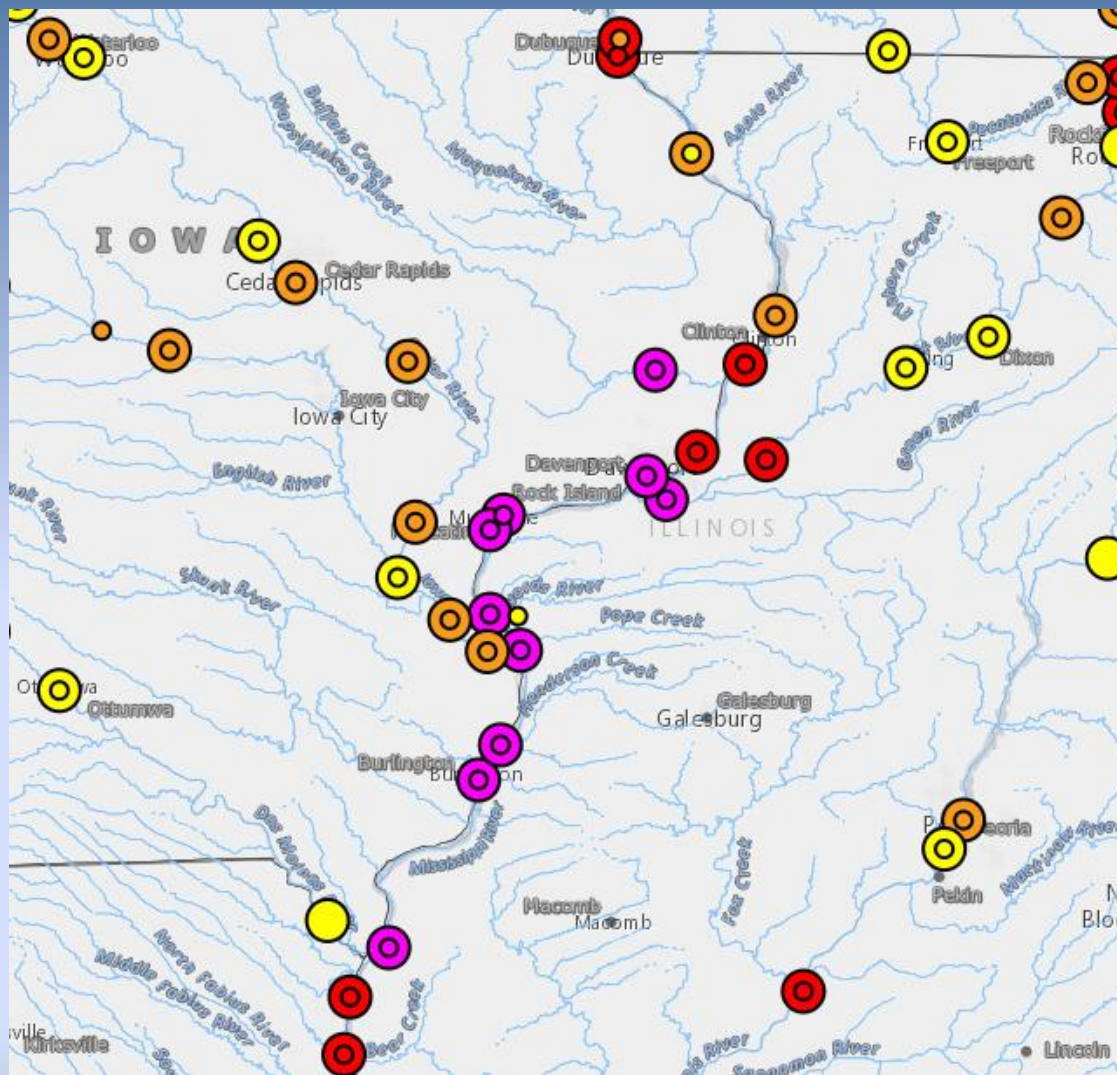


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Forecasts



Current and Forecast stages.

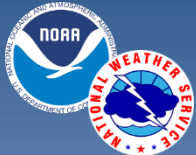
Small circle is the category of current flooding and the large circle is the flood category that is forecasted in the next 7 days.

- Major Flood
- Moderate Flood
- Flood Stage
- Action Stage



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Mississippi River Peak Spring Flood Timing

Dubuque, IA to Gregory Landing, MO

Highest Confidence on Peak Crests Occurring
between April 8th & April 18th



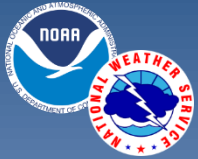
NOTE: There are outside chances of peak flows moving through earlier or later if eventual temperatures and precipitation diverge greatly from current forecasts.

Updated: 3/25/2019



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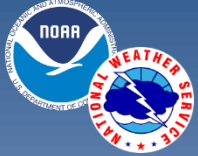
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Summary

- **Ground is thawing, but an extensive area of Saturated Soils Remains**
- **River levels are high even where flooding is no longer occurring**
- **The entire area is very susceptible to additional rises with any rainfall.**
- **The snowpack has lessened over the past 10 days, but significant snowpack and associated water equivalent does remain in some areas in the upper parts of the Mississippi River basin**

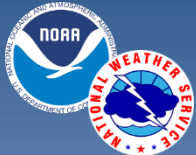




Bottom Line

- **Local rivers are currently receding.**
 - **Additional rain later this week could bring new rises**
- **Quite a bit of snow melted over the last week to 10 days, but considerable snow remains over MN/WI**
- ***The Mississippi River will continue to rise, with several rises and falls possible in the coming weeks.***





Information Sources

- Advanced Hydrologic Prediction Service (AHPS) (observations and forecasts, etc) — water.weather.gov
- Local Quad Cities WFO AHPS — water.weather.gov/ahps2/index.php?wfo=DVN
- North Central River Forecast Center — weather.gov/ncrfc
- National Operational Hydrologic Remote Sensing Center (snow information) — nohrsc.noaa.gov
- NWS Weather Prediction Center — wpc.ncep.noaa.gov
- NWS Climate Prediction Center — cpc.ncep.noaa.gov

Quad Cities WFO Forecast Discussions (technical weather and hydrology discussion)
forecast.weather.gov/product.php?site=DVN&issuedby=DVN&product=AFD

Find out more information at: www.weather.gov/dvn/River_Levels

Follow us on Facebook and Twitter for more up to date information:



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