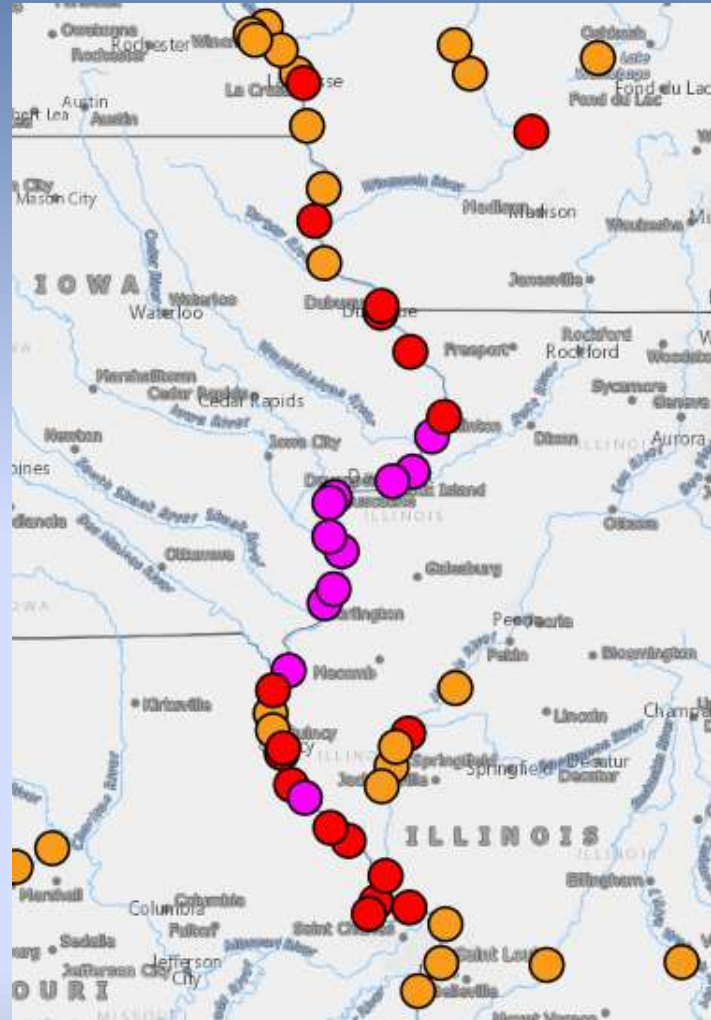




NWS Quad Cities Flood Update

April 15, 2019



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Main Points

- **Crest from winter snowmelt has passed through the entire local stretch of the Mississippi River.**
- **Strong storm system to impact the central part of the country Wed-Fri this week.**
 - **Still considerable uncertainty on how the storm will track across the region, which will highly impact rainfall amounts.**
 - **2 main periods of rainfall expected**
 - 1) **Tuesday night and Wednesday**
 - 2) **Wednesday night and Thursday**
- **The entire area remains very susceptible to additional river rises with any rainfall.**
- **The longer the rivers stay at high levels, the more chances there will be to have heavy rains and then subsequent river rises.**





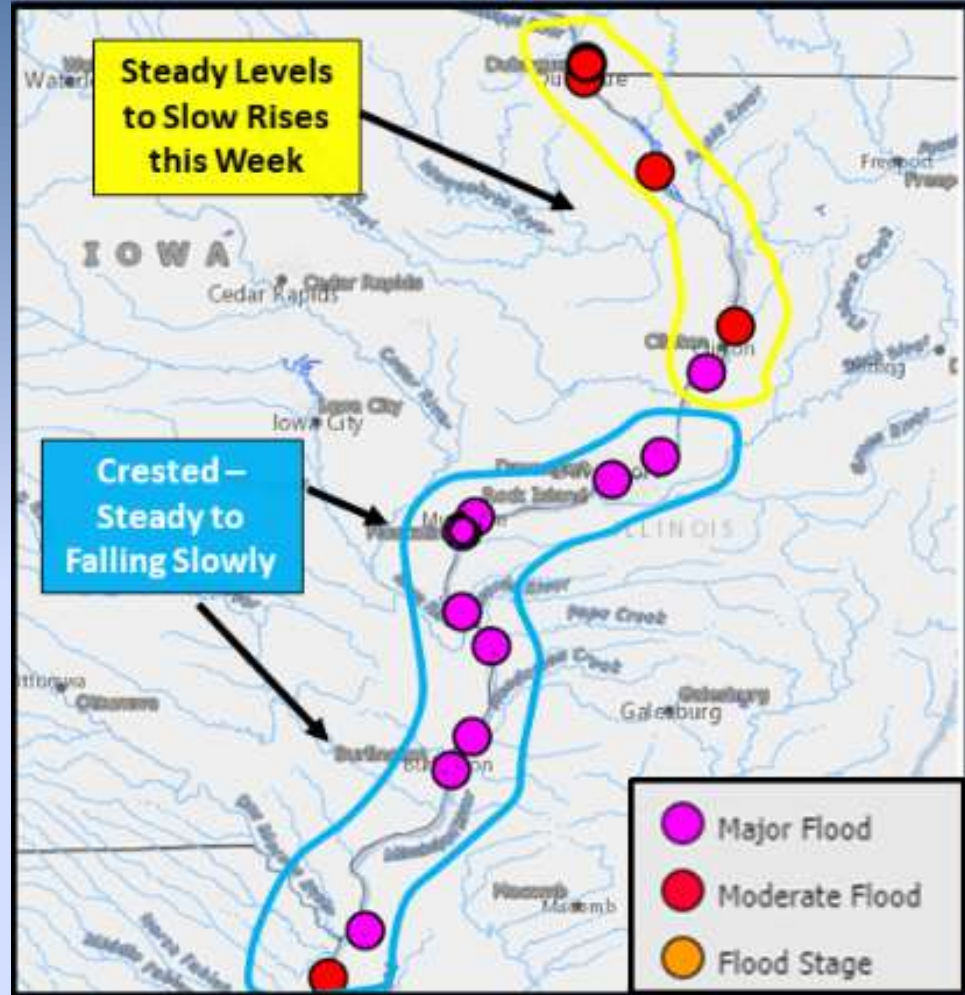
Current Warnings



Last Map Update: Mon, Apr. 15, 2019 at 11:50:11 am CDT

Mississippi River – ongoing flooding

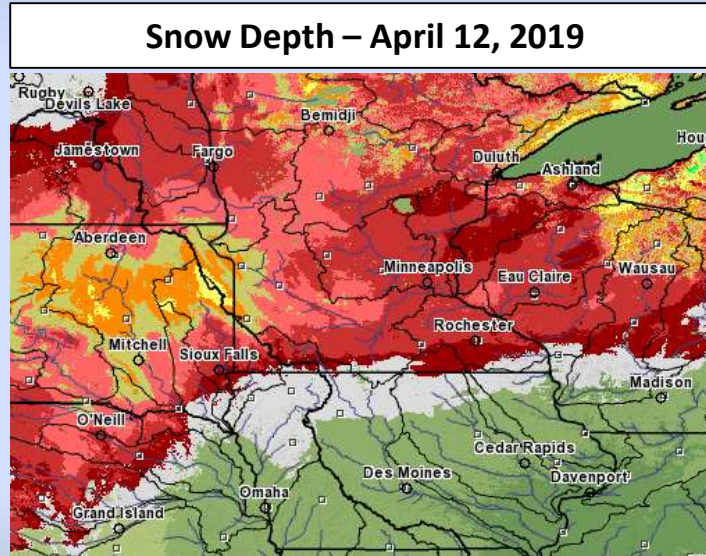
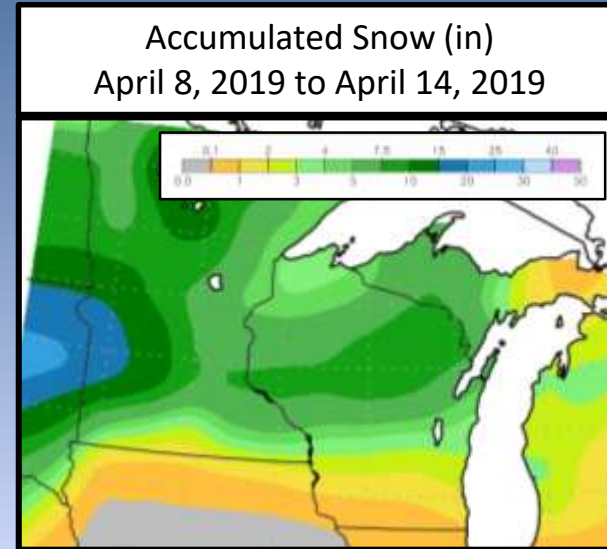
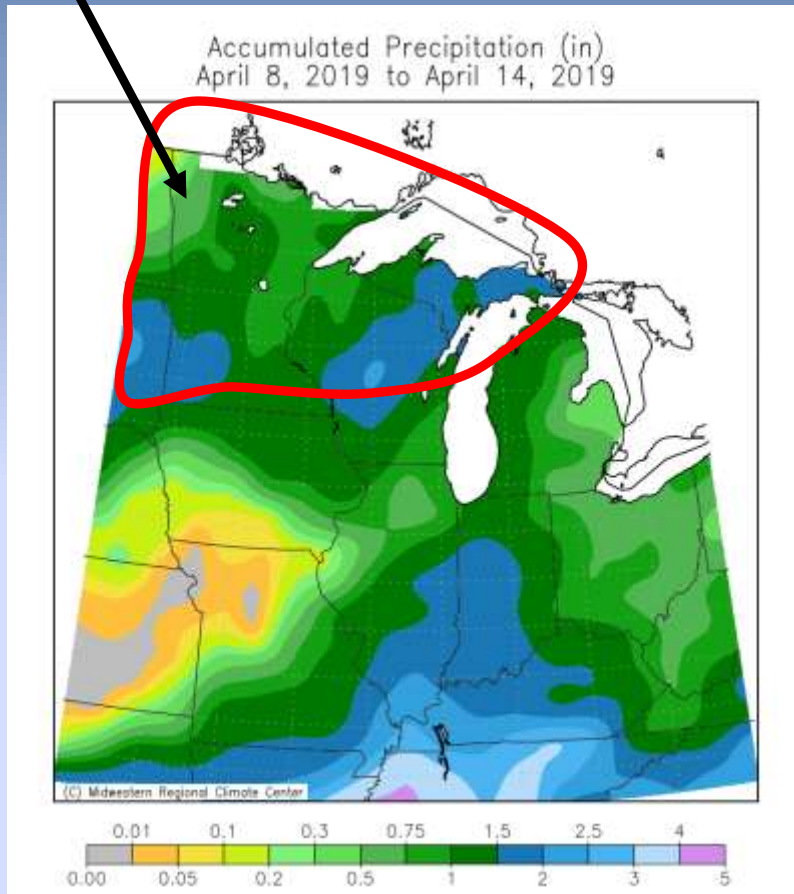
Northern reaches experiencing minor new rises, downstream levels are slowly falling with renewed rises starting mid-week.





Observed Precipitation: 4/8 – 4/14

Mainly snow



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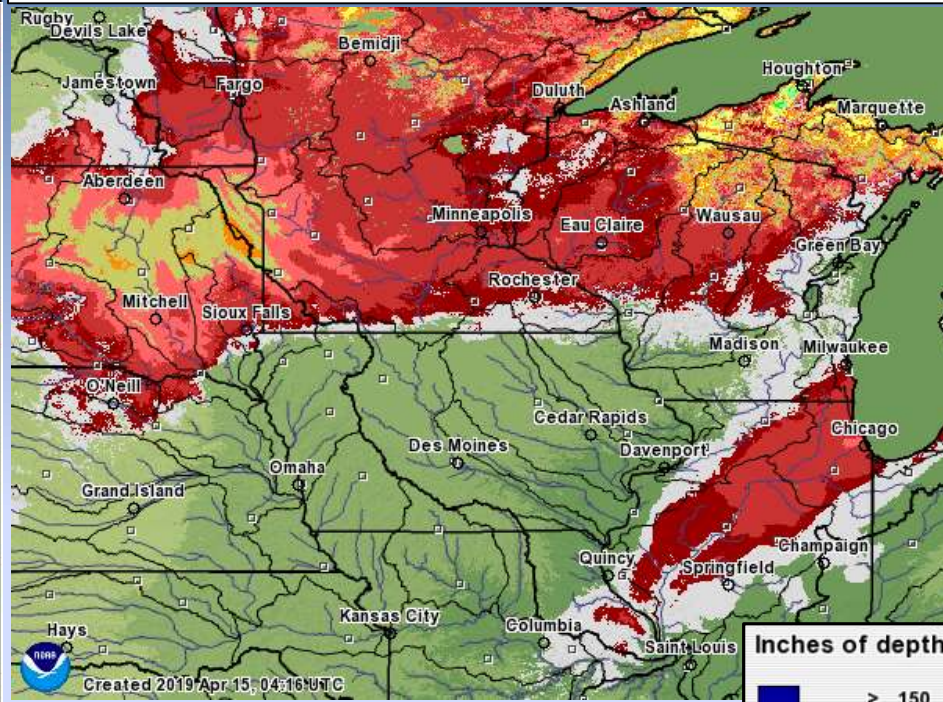
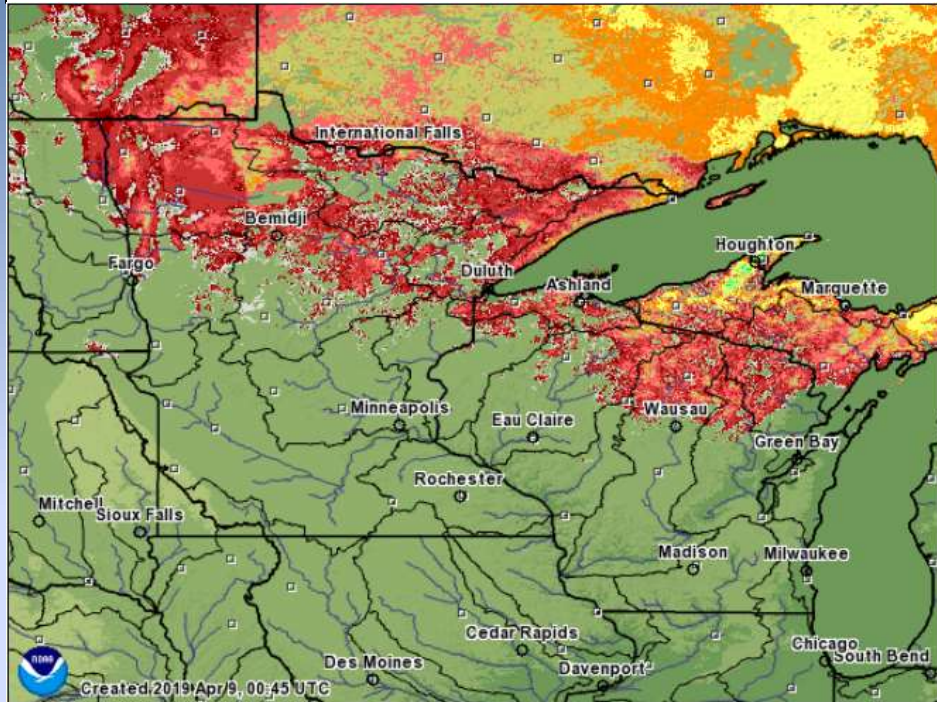
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Snowpack Change in the Past 7 Days

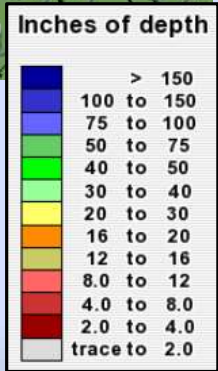
Snow Depth – April 8, 2019

Snow Depth – April 15, 2019



Considerable snow is in place across southern Minnesota into central and northern Wisconsin.

Snow is also on the ground across portions of Illinois. Mainly in the Illinois River Watershed.

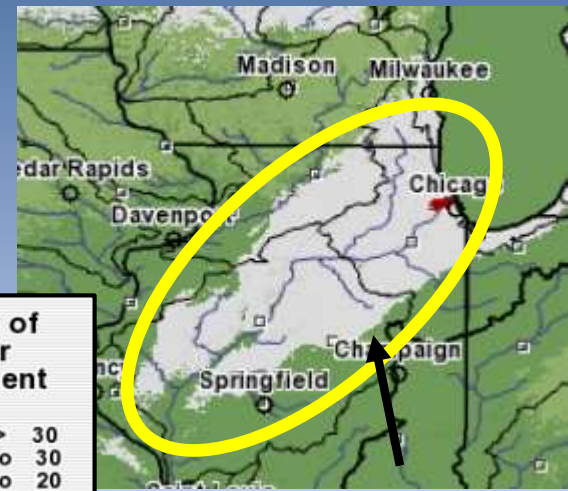
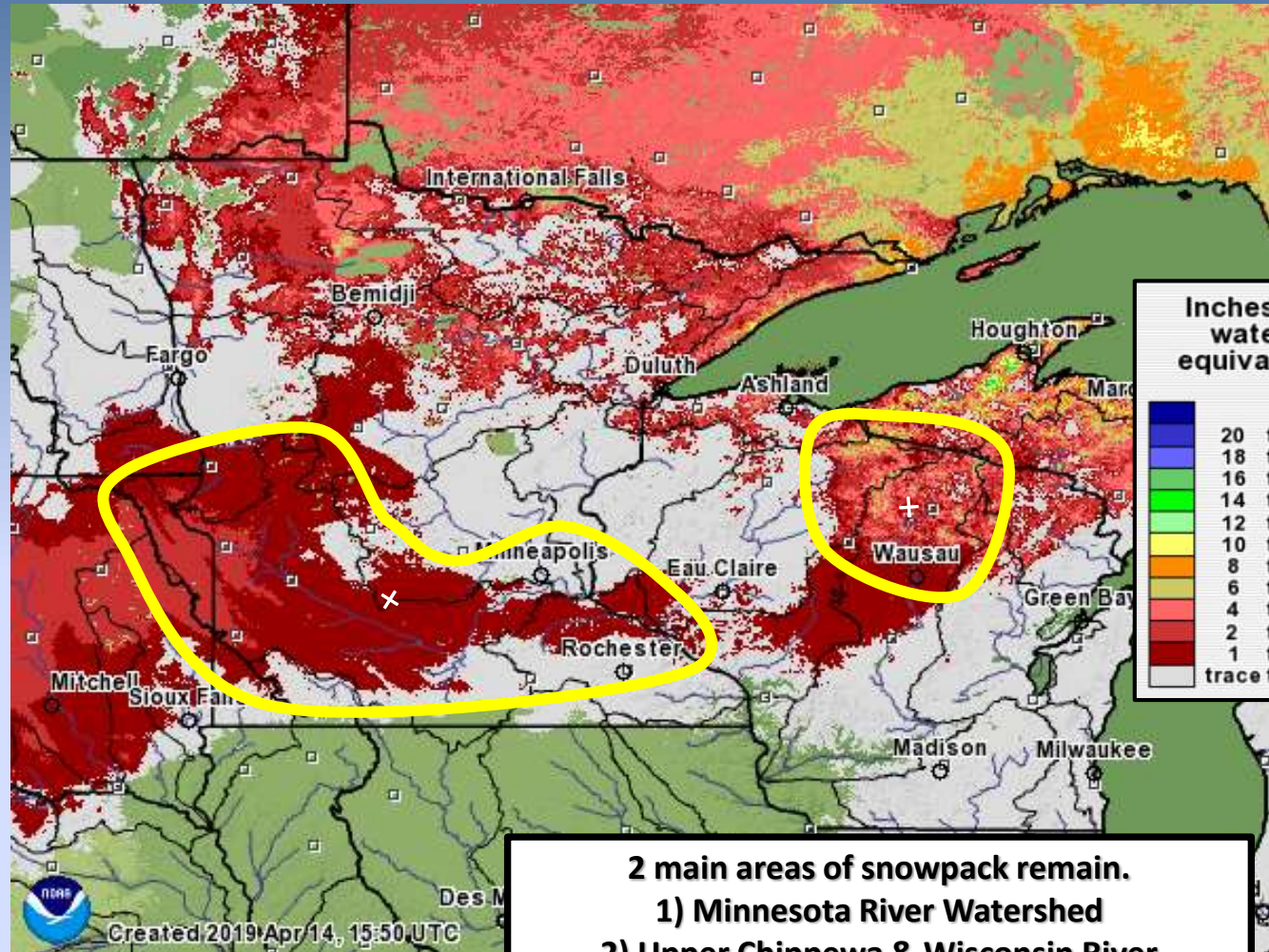


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Current Snow Water Equivalent



- Up to an inch of liquid equivalent. Mainly in Illinois River watershed.
- Some snow across the Rock River watershed.
- Very minor impact to the Rock River!

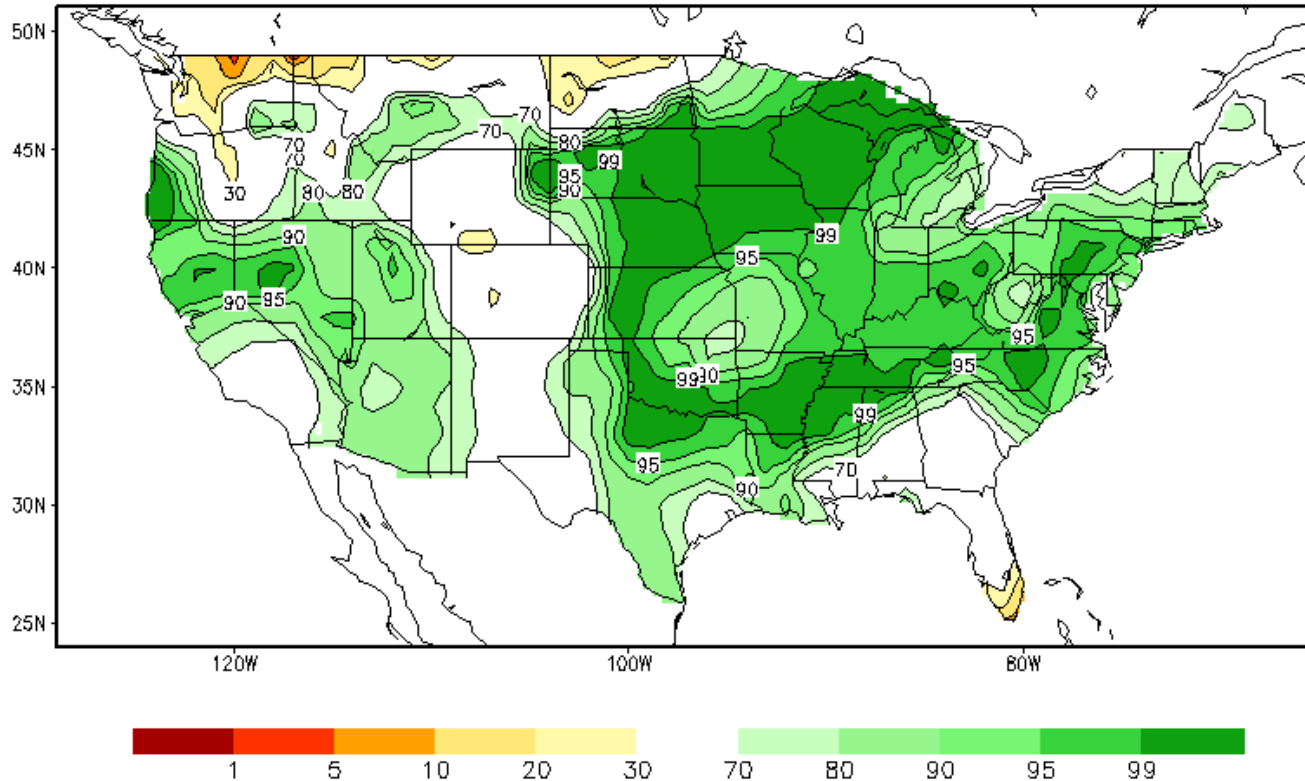
2 main areas of snowpack remain.
 1) Minnesota River Watershed
 2) Upper Chippewa & Wisconsin River Watersheds





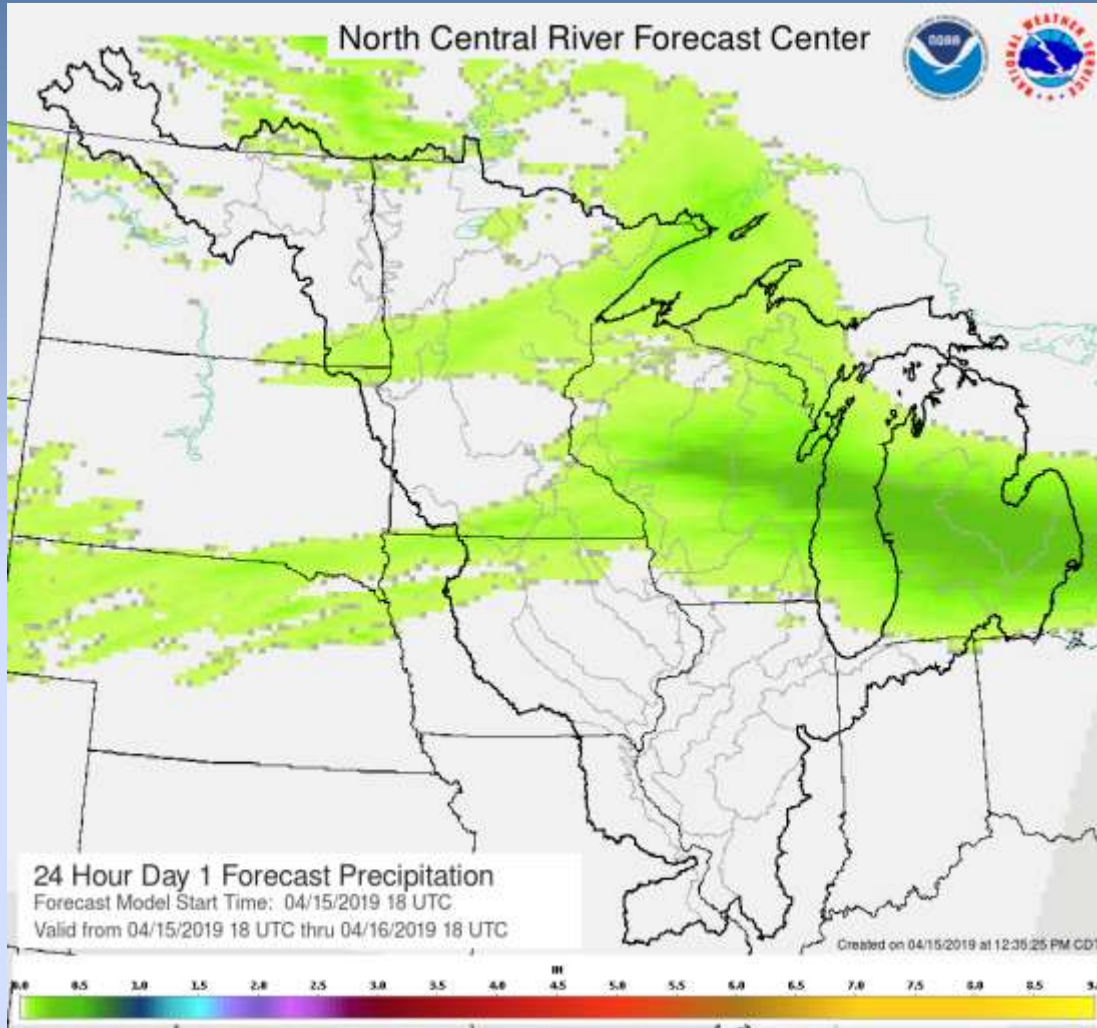
Current Soil Moisture

Calculated Soil Moisture Ranking Percentile
APR 14, 2019





Day 1 Forecast Precipitation



Rainfall amounts included in today's river forecasts.

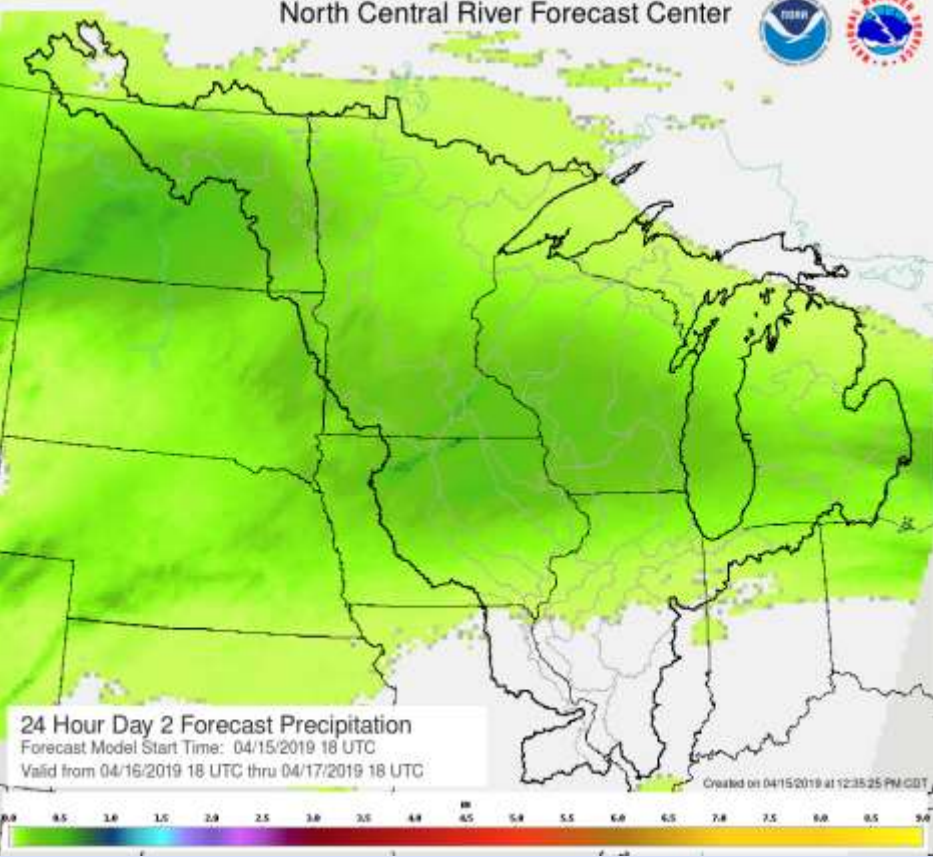




Forecast Precipitation

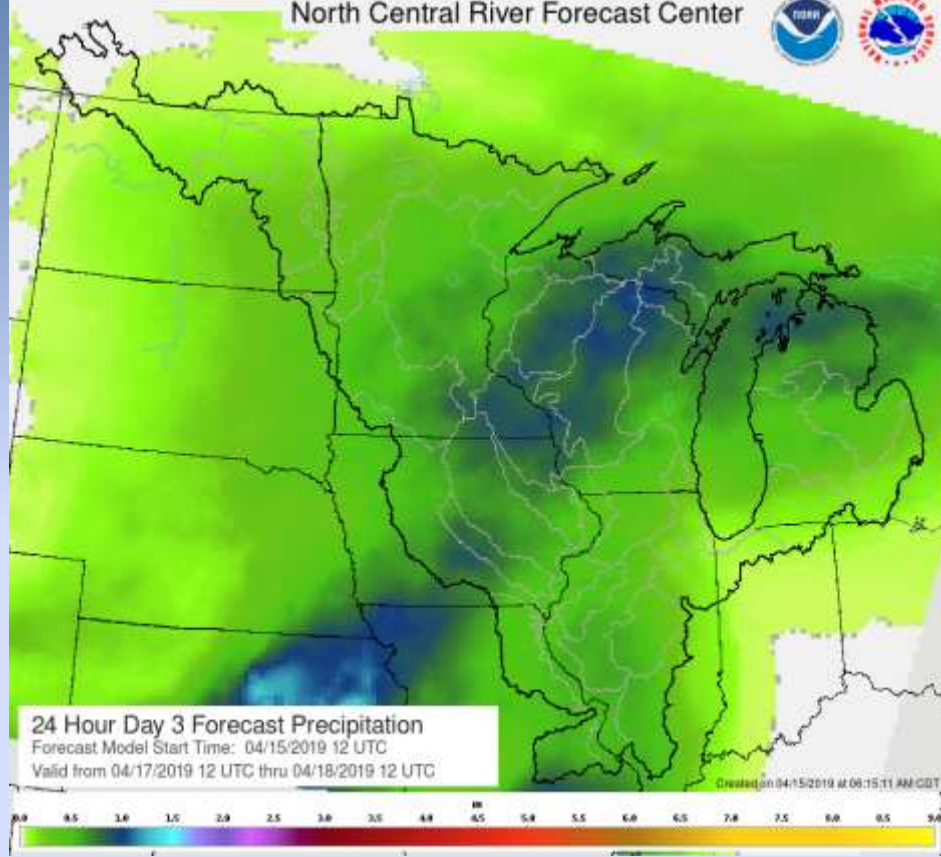
(not included in river forecasts)

North Central River Forecast Center



Tuesday and Tuesday Night

North Central River Forecast Center



Wednesday and Wednesday Night



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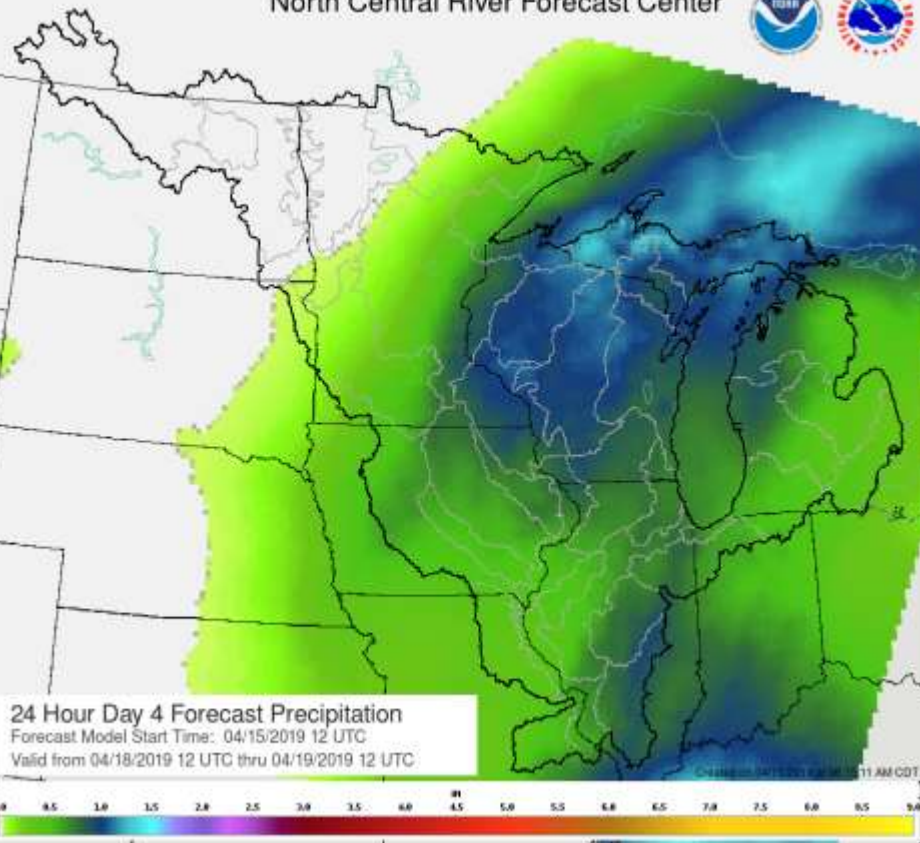
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Forecast Precipitation

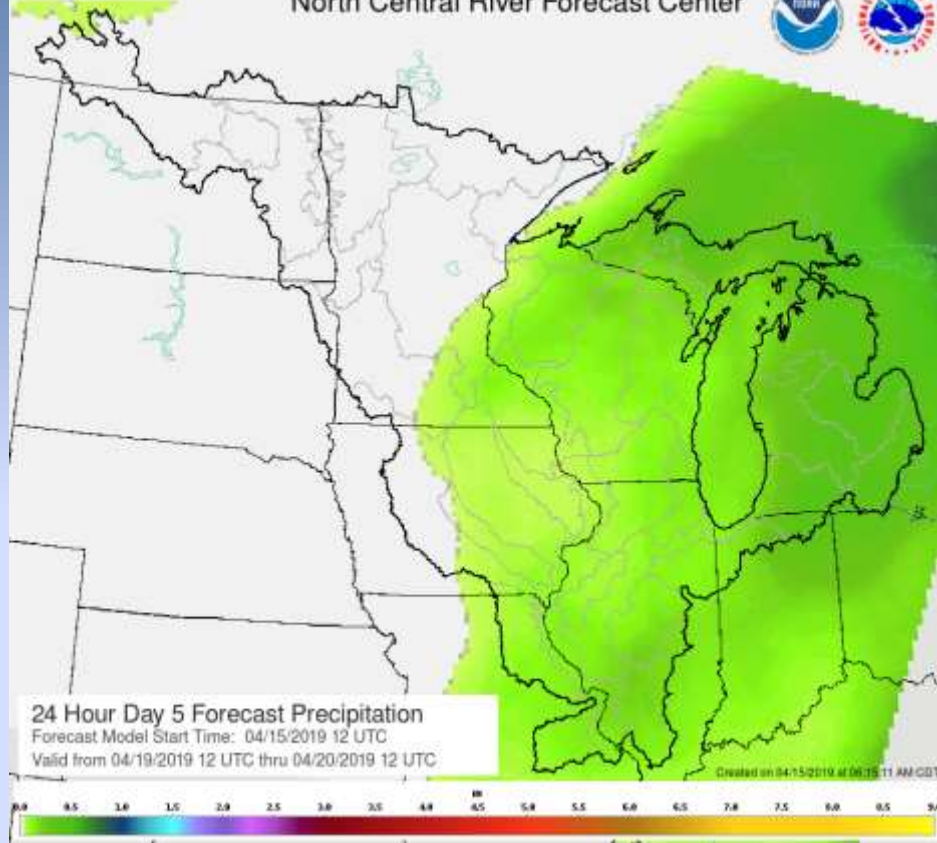
(not included in river forecasts)

North Central River Forecast Center



Thursday and Thursday Night

North Central River Forecast Center



Friday and Friday Night

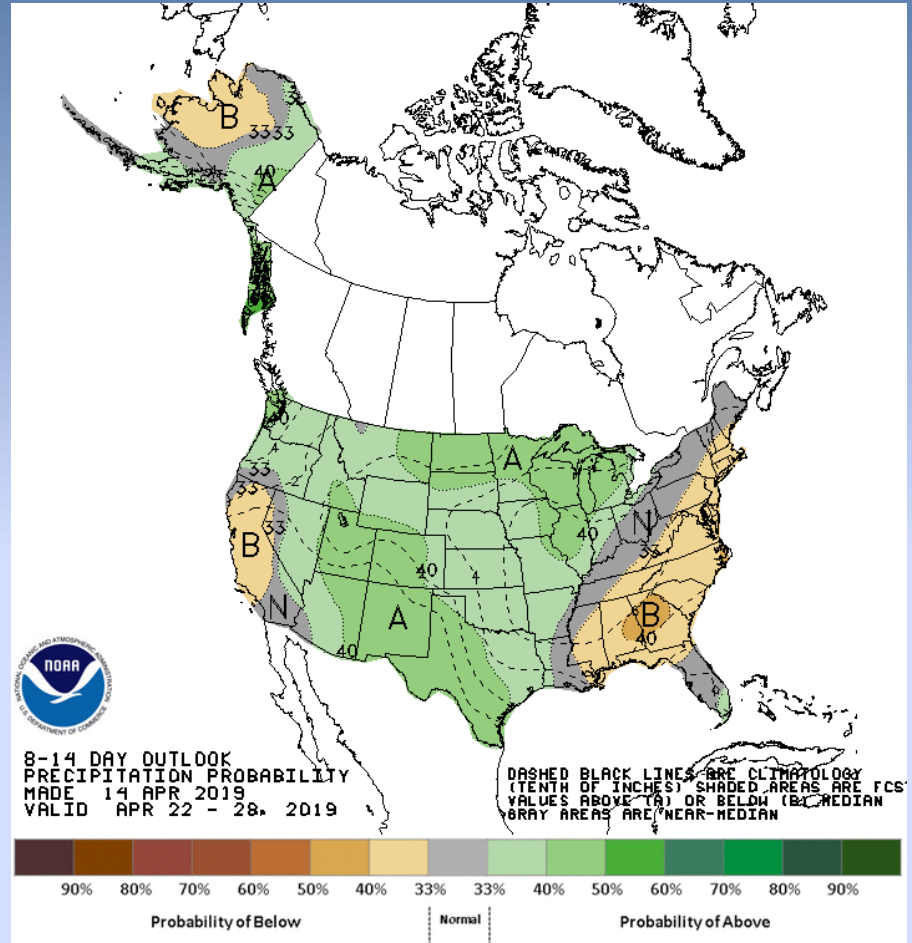
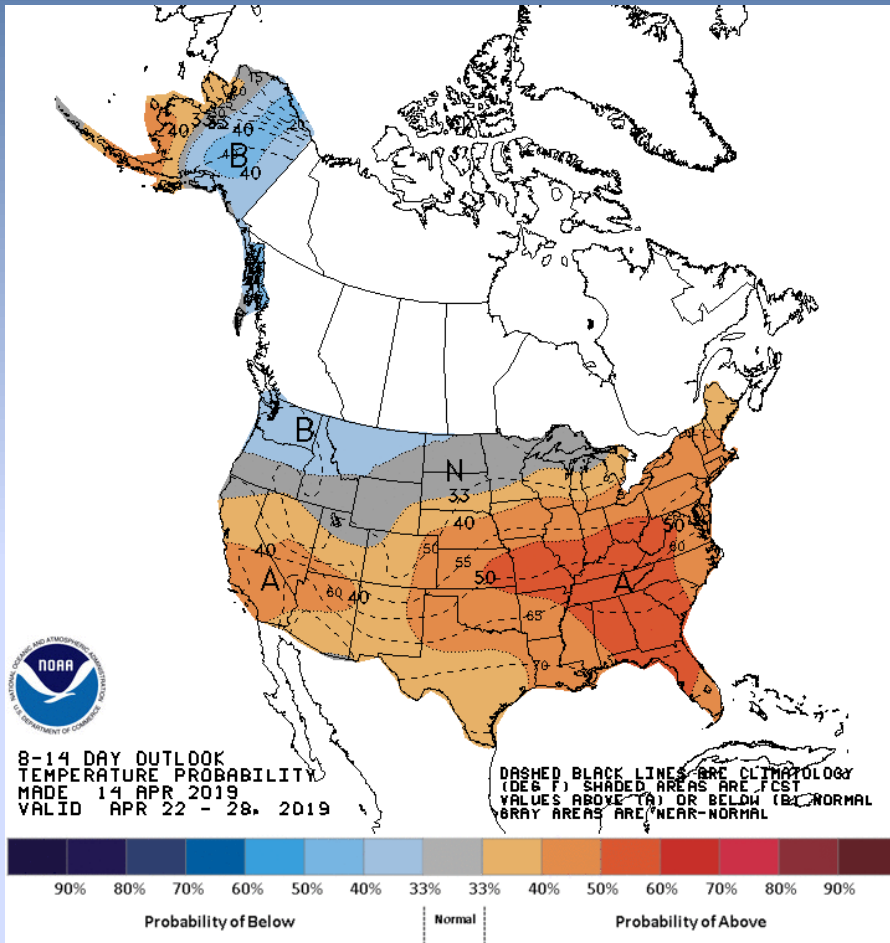


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Week 2 Outlook

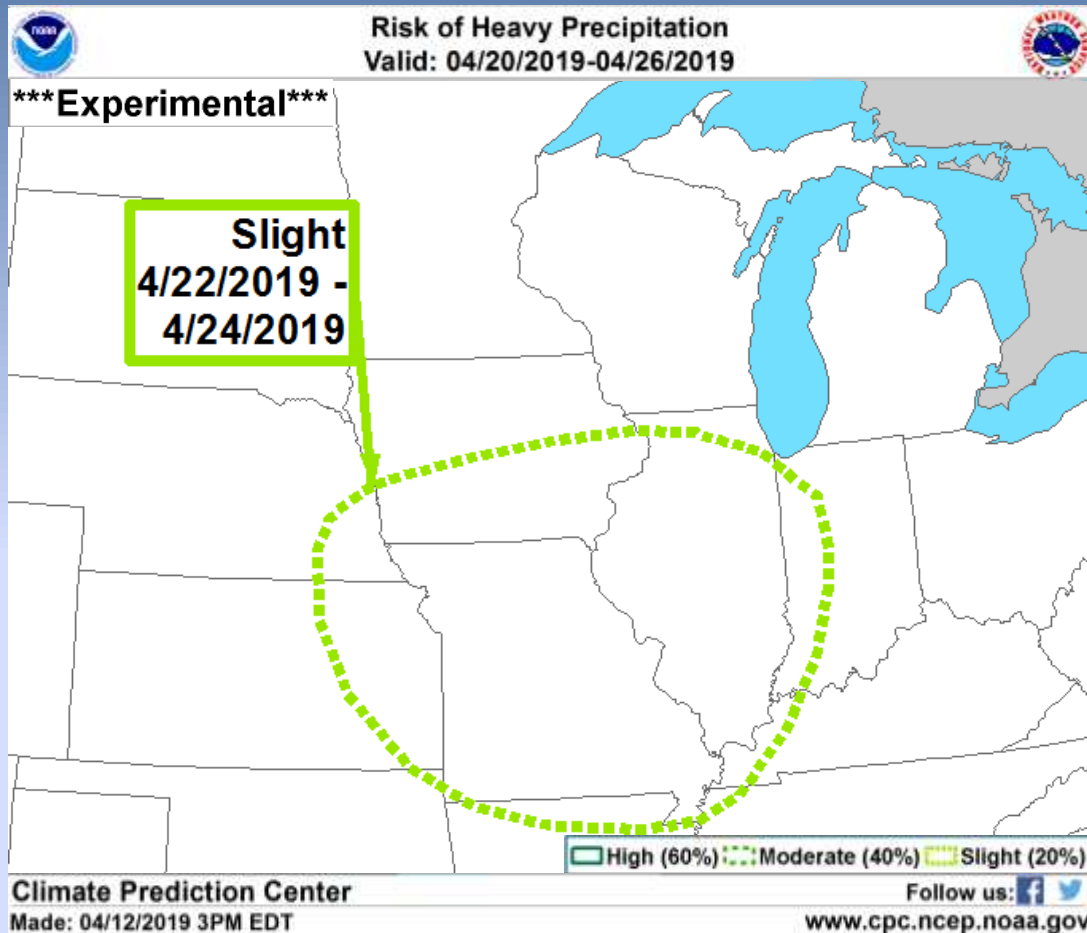


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Week 2 Precipitation Risk





Bottom Line for This Week

- **Heavy rain is possible this week, and potentially next week as well.**
- **Snow fell in the last week and will be melting this week and moving into the Mississippi River system by later this week.**
- **Additional rises are likely – how high is very questionable**
- **High river levels will continue at least into early May. Additional rains will prolong the high levels possibly into late May.**





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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