



# NWS Quad Cities Flood Update

## May 3, 2019



Last Map Update: Fri, May. 3, 2019 at 9:06:24 am CDT



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# Main Points

- Cresting from Muscatine through Gregory Landing through Saturday.

- More rain is expected, possibly heavy, beginning Sunday afternoon into Wednesday.

**\*\*\*This rain is NOT in the current forecast\*\*\***

- The entire region remains very susceptible to additional river rises with heavy rains.
- The longer the rivers stay at high levels, the more chances there will be for the occurrence of heavy rains and then subsequent river rises.





# Current Warnings

## New Tributary Flooding Expected

Mississippi River – ongoing Moderate to Major flooding

\* Levels in the Dubuque area will fall below major flood stage tonight.



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### Tributary Flooding:

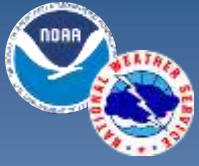
#### *Iowa*

- Lower Wapsipinicon River
- Lower Iowa River
- Lower Skunk River

#### *Illinois*

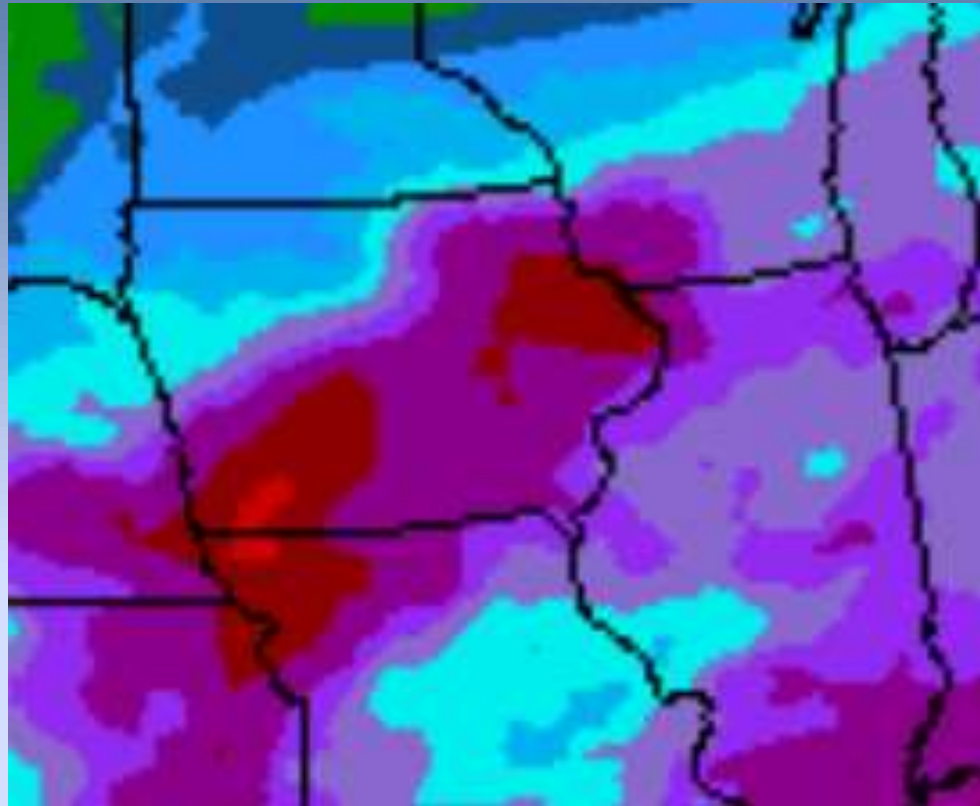
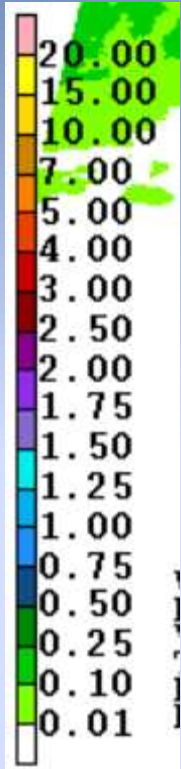
- Rock River
- Green River





# 7-Day Forecast Precipitation

(not included in today's river forecasts)



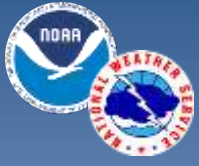
**Current Total Forecast Rainfall:  
Sunday through Thursday  
Widespread 2" to 3"**



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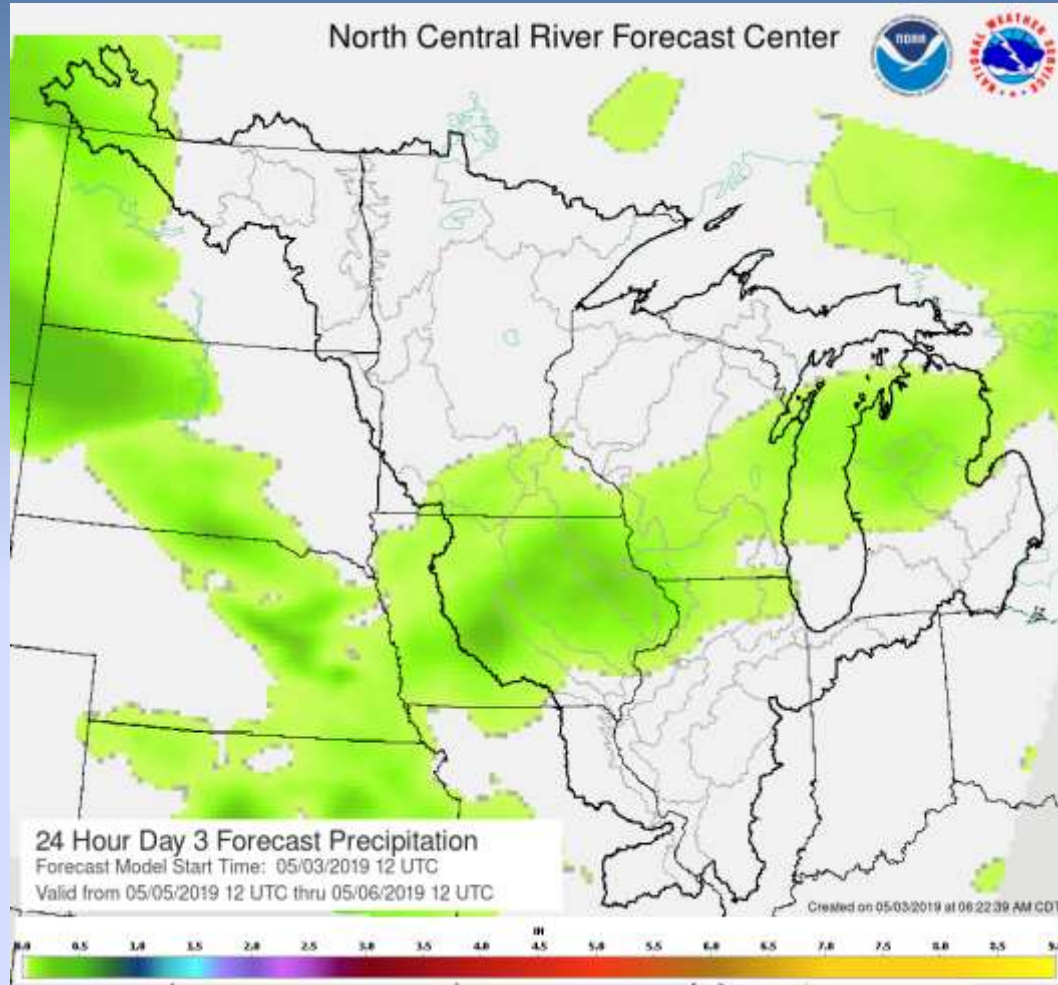
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# Day 3 Rainfall Forecast

(not included in today's river forecasts)



**7 am Sunday through 7 am Monday**



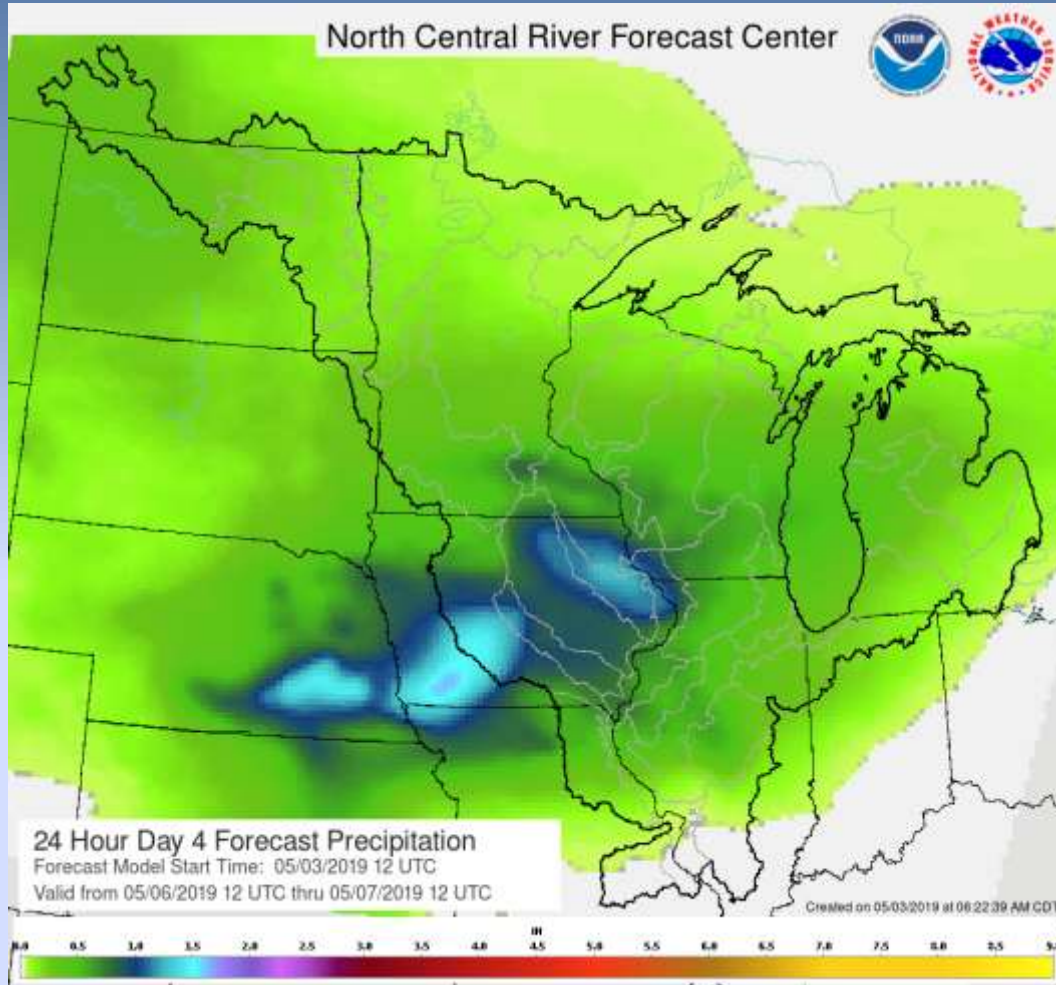
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# Day 4 Rainfall Forecast

(not included in today's river forecasts)



**7 am Monday through 7 am Tuesday**



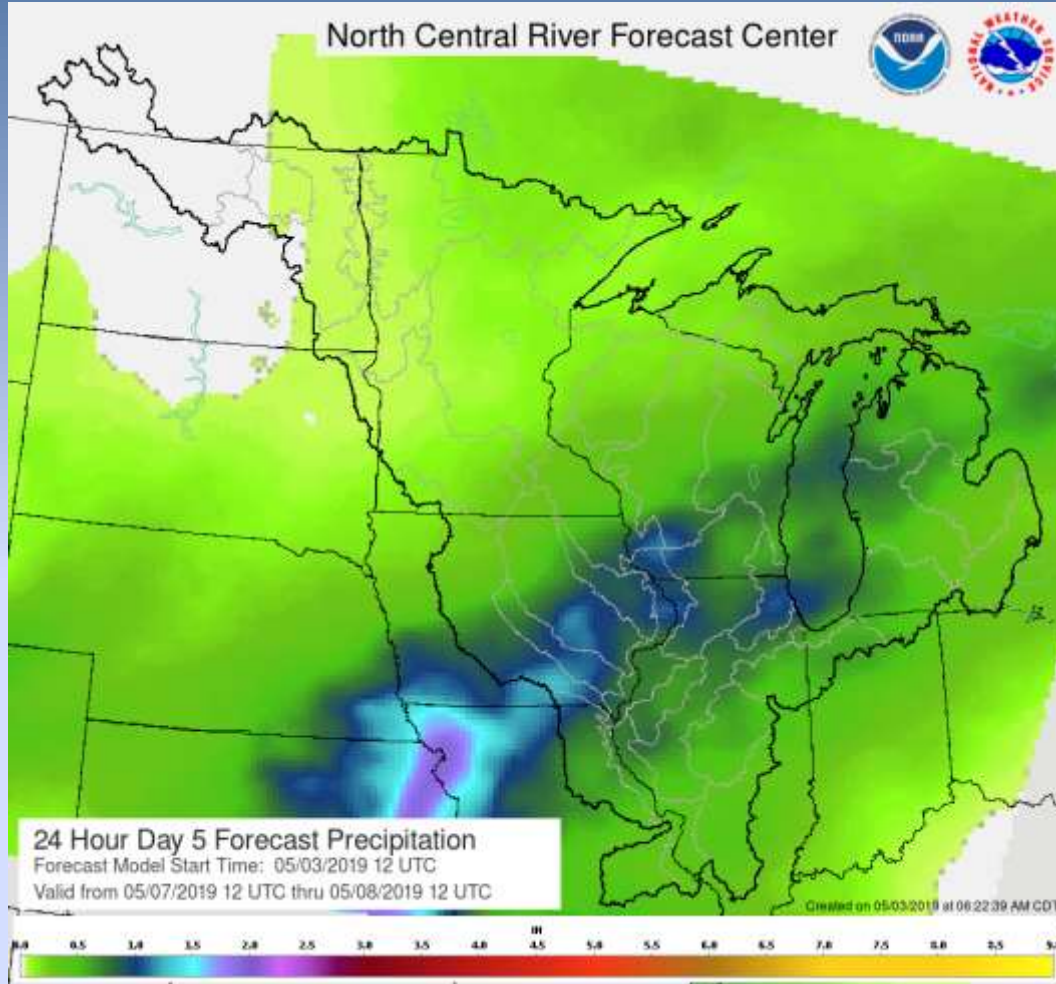
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# Day 5 Rainfall Forecast

(not included in today's river forecasts)



**7 am Tuesday through 7 am Wednesday**



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# Rainfall Impacts to River Levels

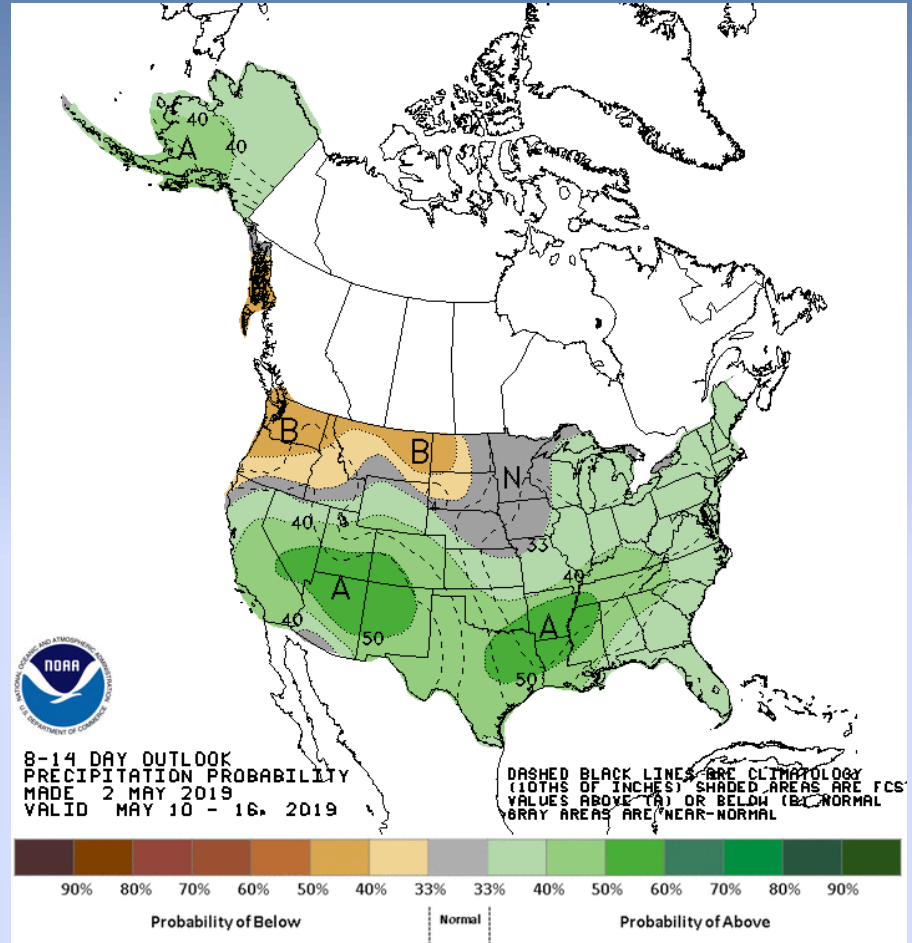
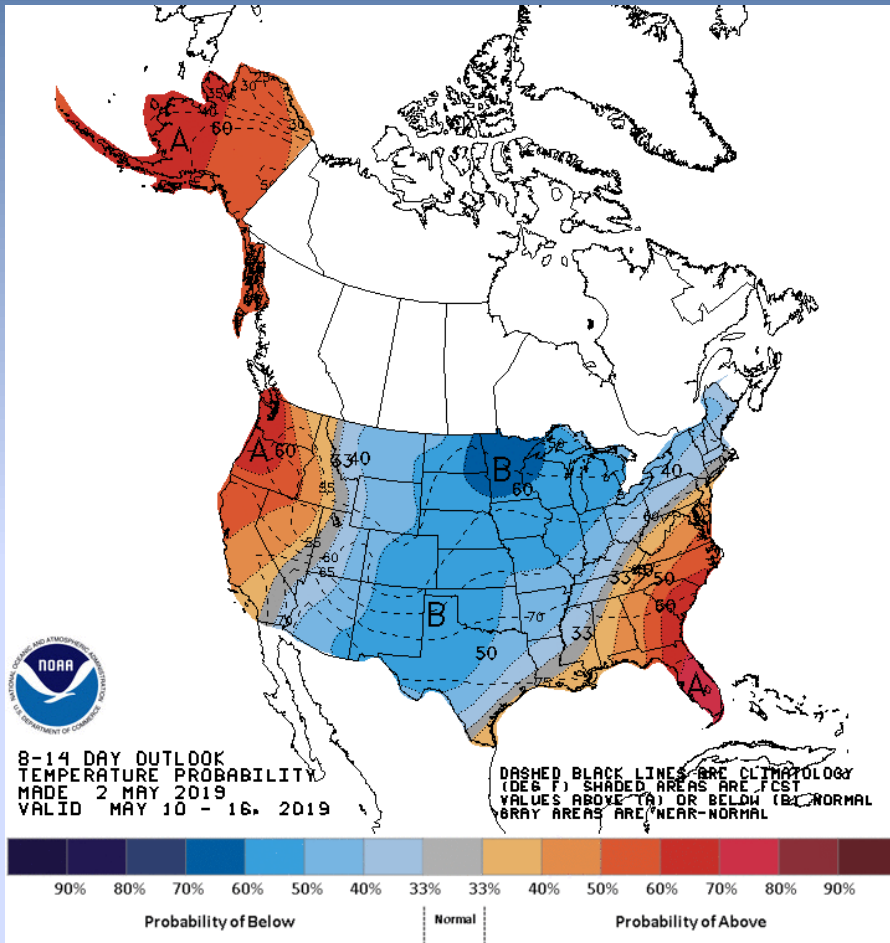
- **Potential Outcomes from the rain could be:**
  - **Less rain: the river continues to fall**
  - **Less widespread rain but localized higher amounts: slower fall, possibly brief leveling off of the river, or very minor rise**
  - **Current forecast rainfall (widespread 2"-3"):** renewed rises below current crest levels
  - **Higher rainfall: new crest near or above previous crests are possible**







# Week 2 Outlook



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# Bottom Line for the Next Week

- **Quiet weather into Sunday.**
- **High confidence in rainfall occurring in the area Sunday afternoon through Wednesday night.**
- **Low confidence in rainfall amounts and location.**
- **Low confidence in the impact of the rainfall on the river levels.**
  
- **High river levels will persist through May. Each additional rain will prolong the high levels.**





# Information Sources

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

Find out more information at: [www.weather.gov/dvn/River\\_Levels](http://www.weather.gov/dvn/River_Levels)

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