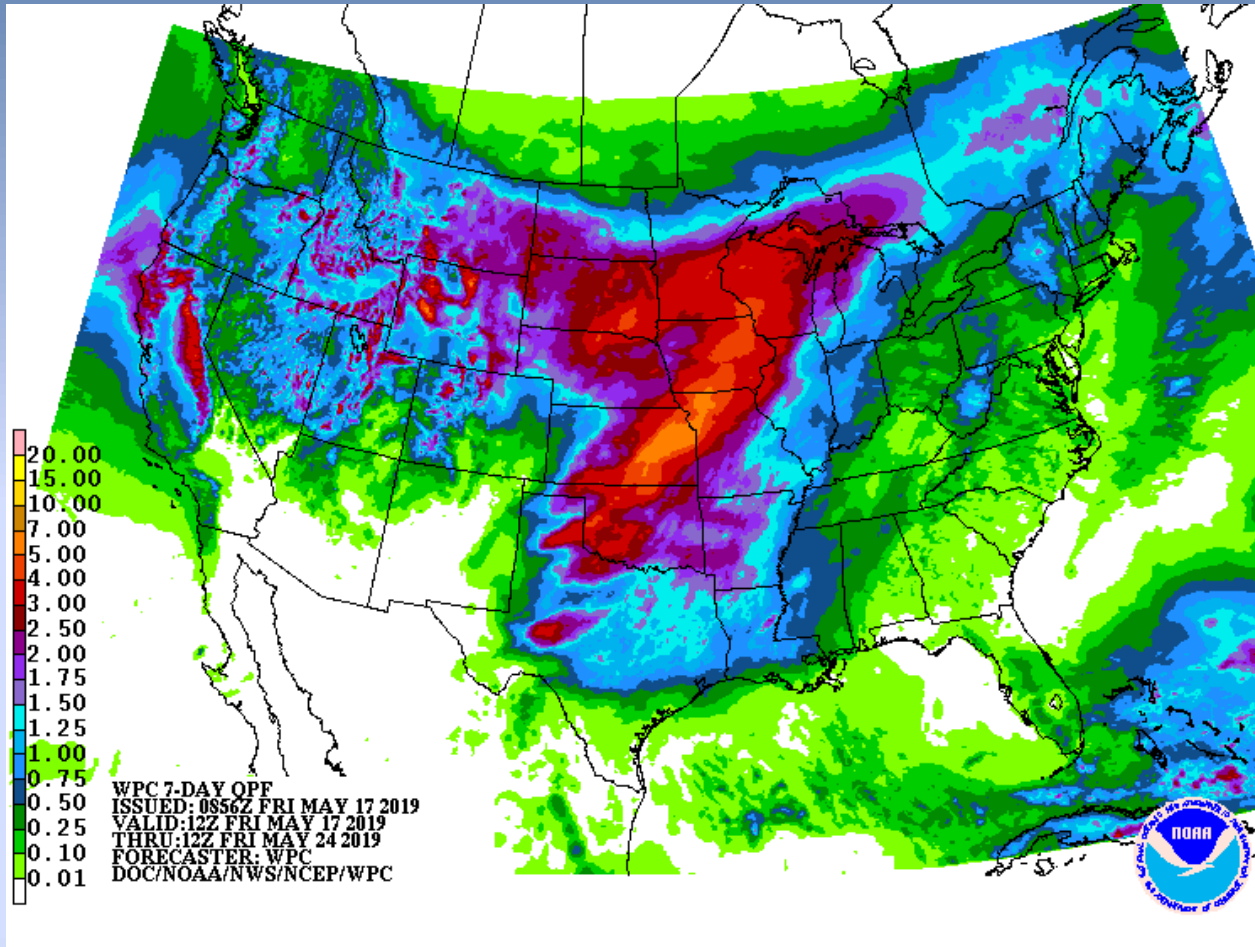




# NWS Quad Cities Flood Update

May 17, 2019



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# Main Points

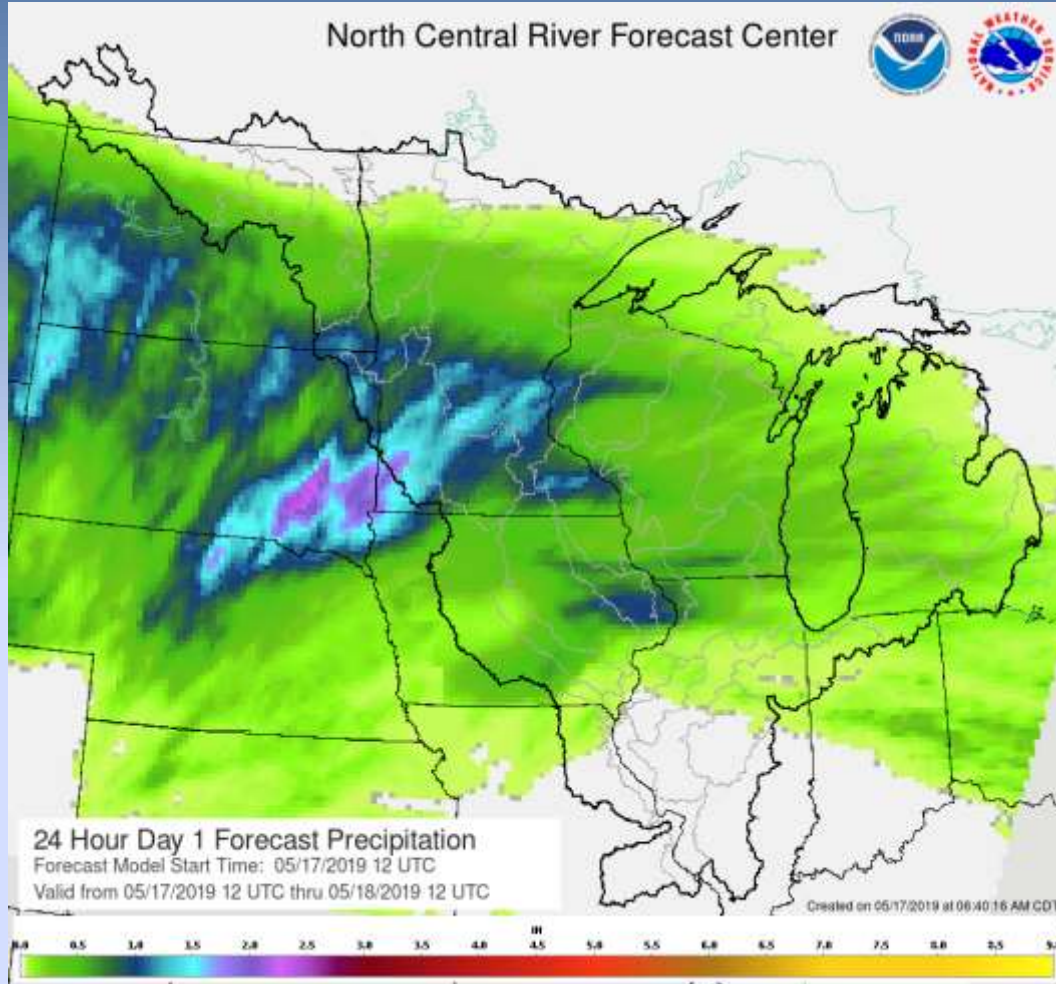
- **Mississippi River – rises are expected beginning on Sunday due to expected rainfall over the coming week.**
  - Confidence is high that renewed rises will occur.
  - Confidence is not high on the degree of rises.
- **Tributary Rivers – rises are likely, at a minimum to near bankfull in many areas**
- **Heavy rain is becoming likely for Saturday into Sunday across portions of the region.**
- **Additional heavy rain is possible for Tuesday into Wednesday.**
- **Active weather (additional chances for heavy rain) through the end of May.**
- **Current forecasts viewed on the NWS webpage only incorporate 24 hours of forecast rainfall. These forecasts show what would occur with dry weather beyond 24 hours.**





# Day 1 Rainfall Forecast

(this rain IS included in today's river forecasts)



through 7 am Saturday



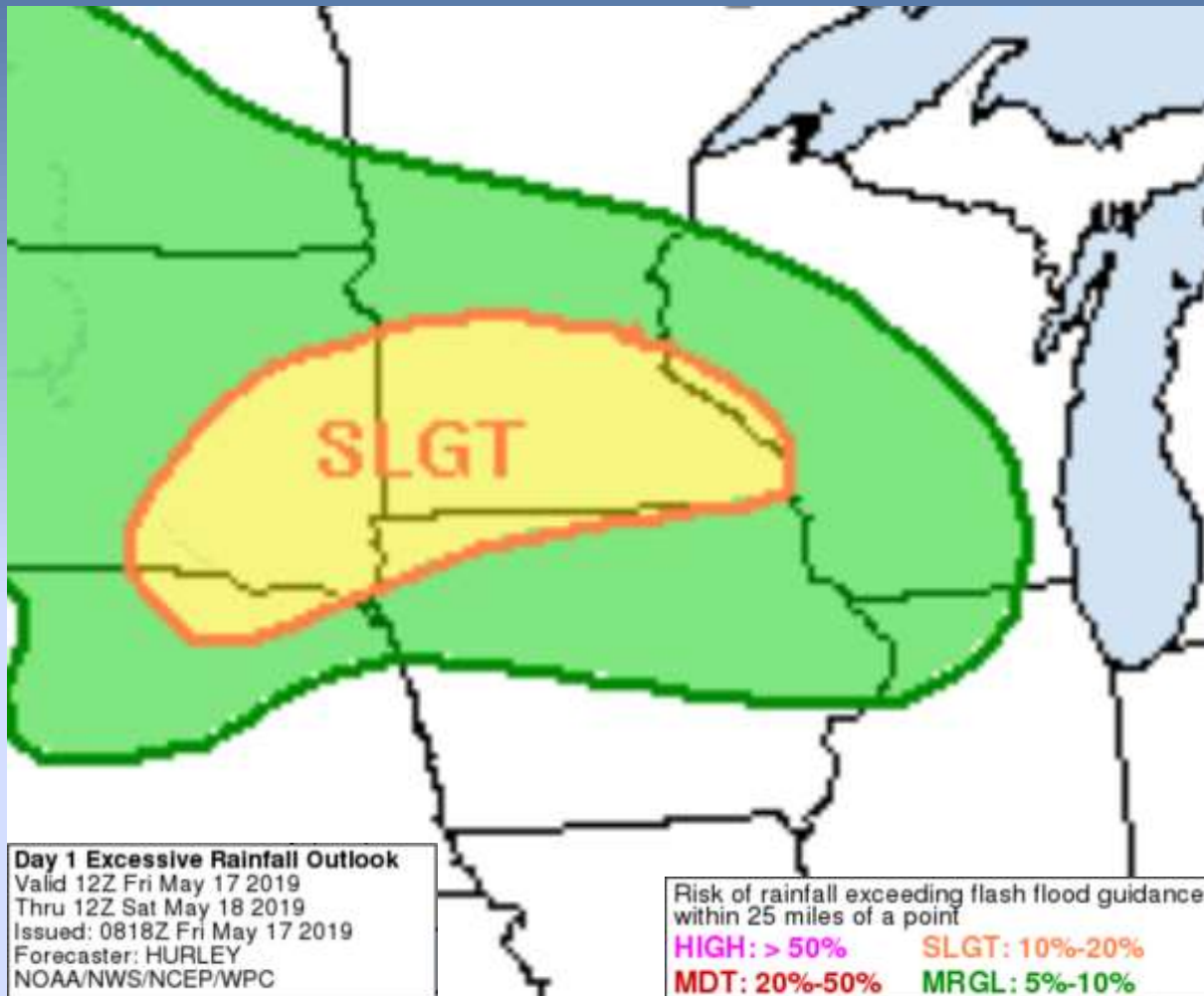
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# Day 1 Excessive Rainfall Forecast

This graphic highlights areas that have potential to receive rainfall amounts or rainfall rates that could lead to flash flooding.

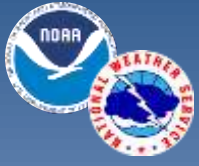


Through 7 am Saturday



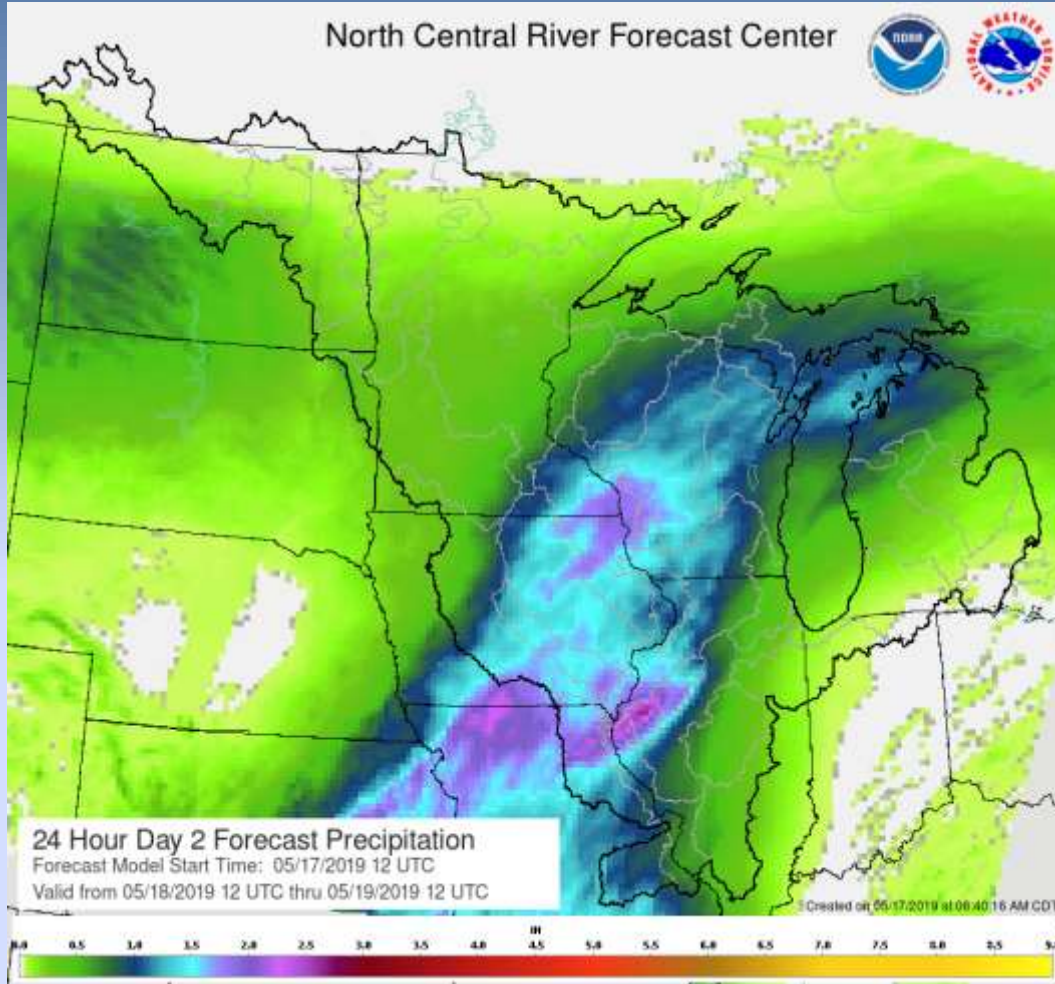
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# Day 2 Rainfall Forecast

(amounts are NOT included in today's river forecasts)



The entirety of this rainfall will not be included in the river forecasts until Saturday morning.

Expect the updated forecasts on Saturday to be higher than previous forecasts.

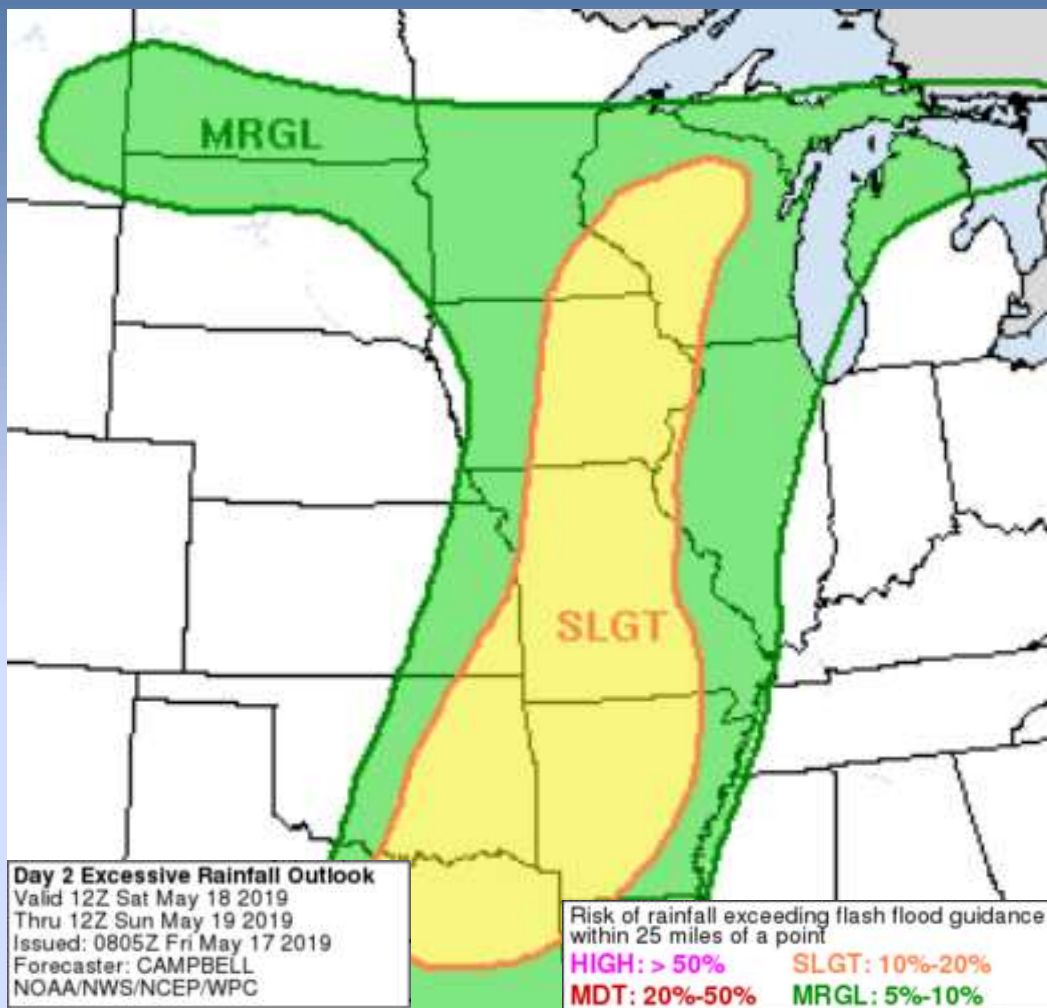
**7 am Saturday through 7 am Sunday**





# Day 2 Excessive Rainfall Forecast

This graphic highlights areas that have potential to receive rainfall amounts or rainfall rates that could lead to flash flooding.

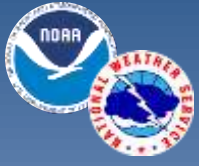


7 am Saturday through 7 am Sunday



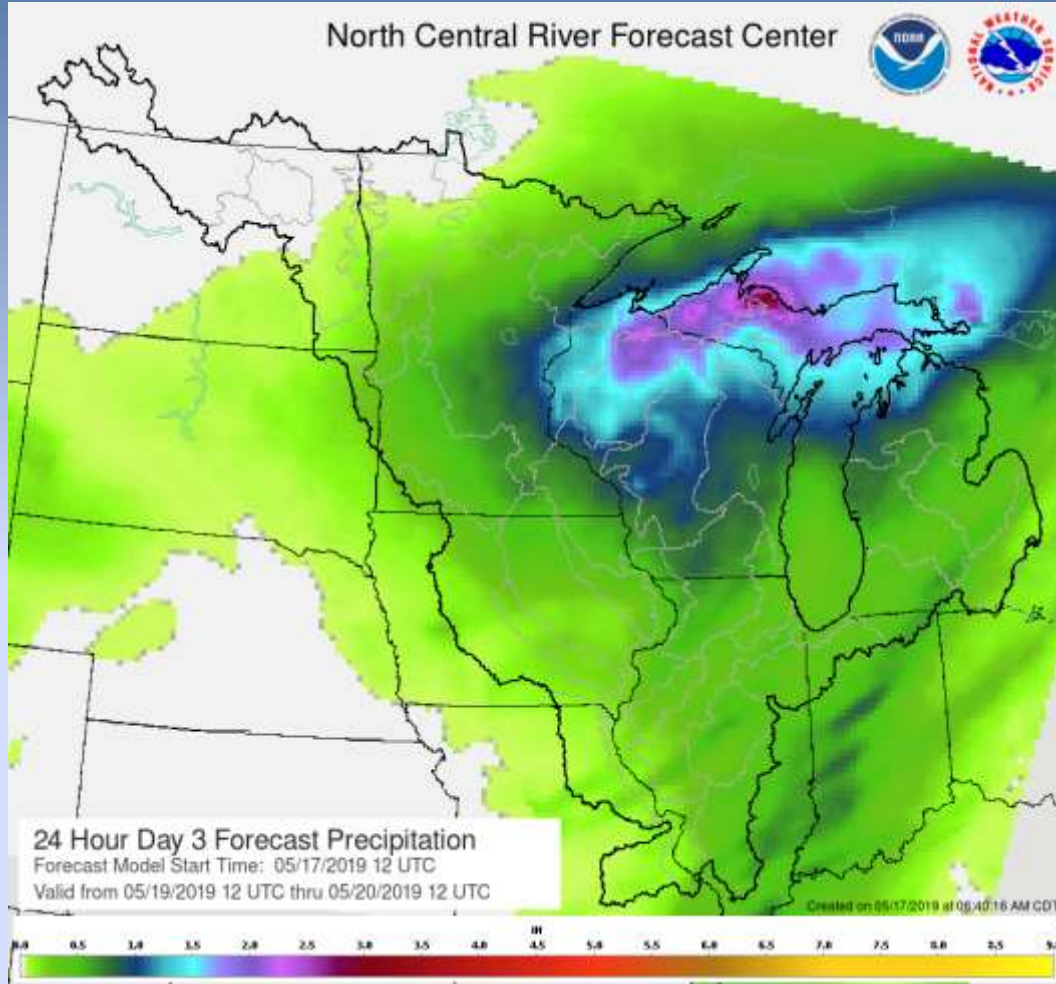
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# Day 3 Rainfall Forecast

(amounts are NOT included in today's river forecasts)



**7 am Sunday through 7 am Monday**



**National Weather Service**

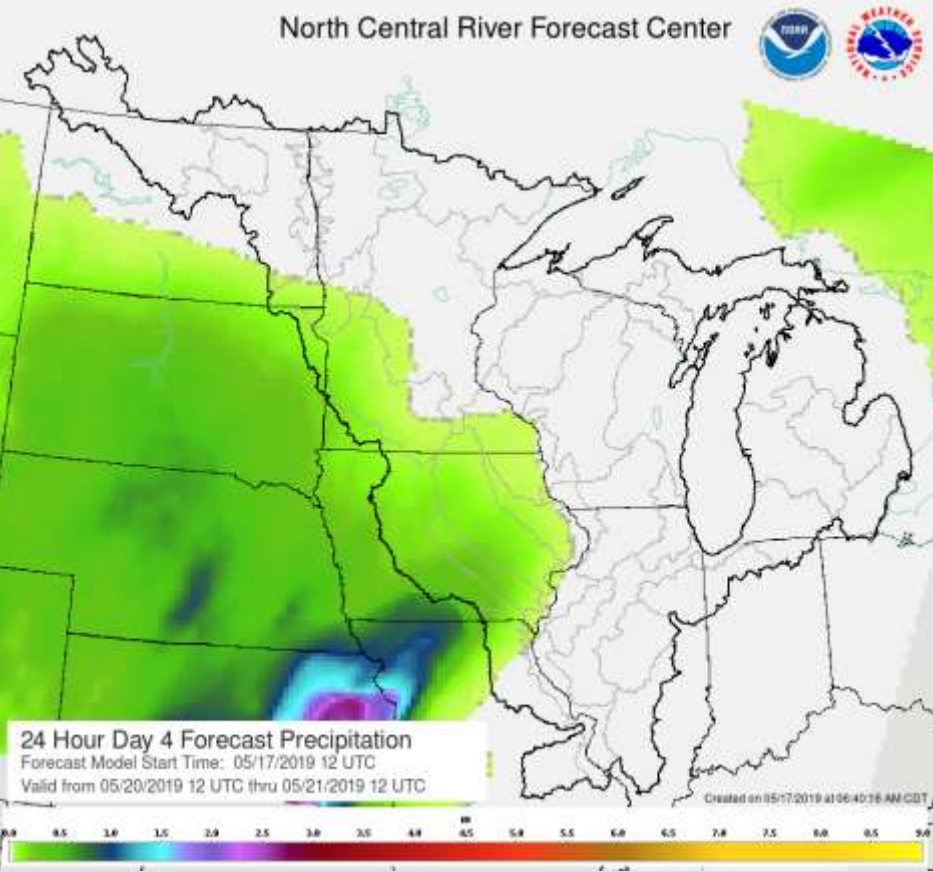
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# Days 4 & 5 Forecast Precipitation

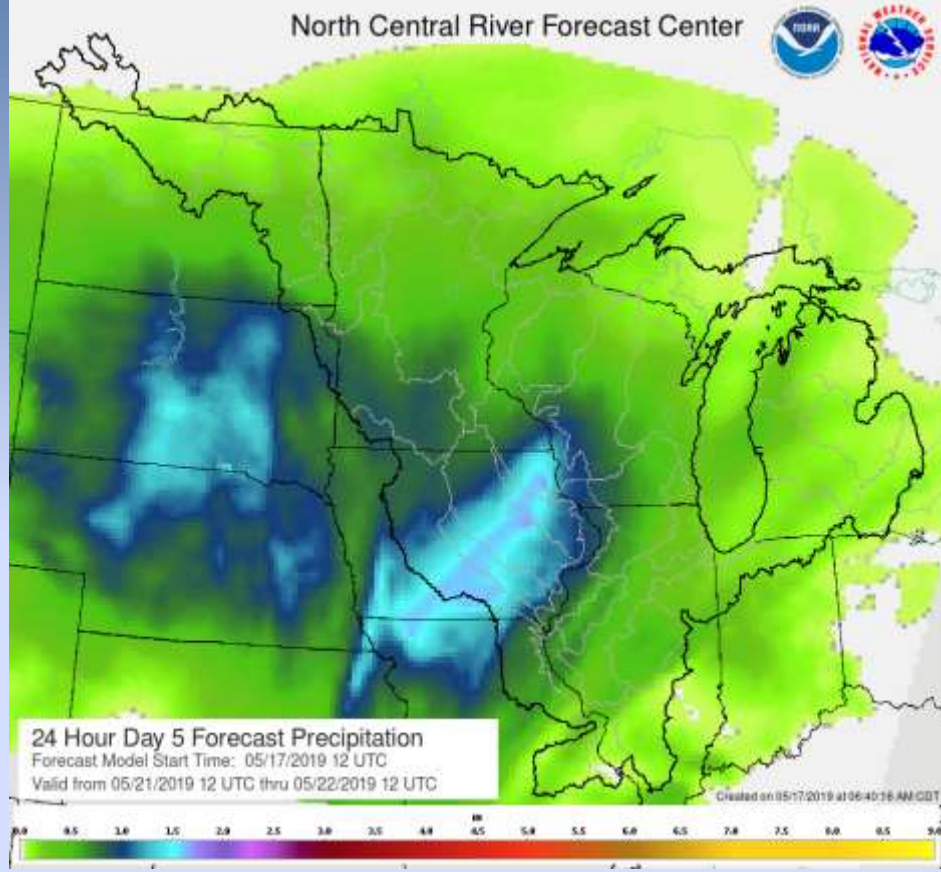
(amounts are NOT included in today's river forecasts)

North Central River Forecast Center



**Monday and Monday Night**

North Central River Forecast Center



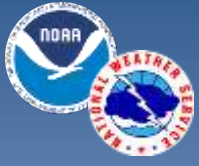
**Tuesday and Tuesday Night**



**National Weather Service**

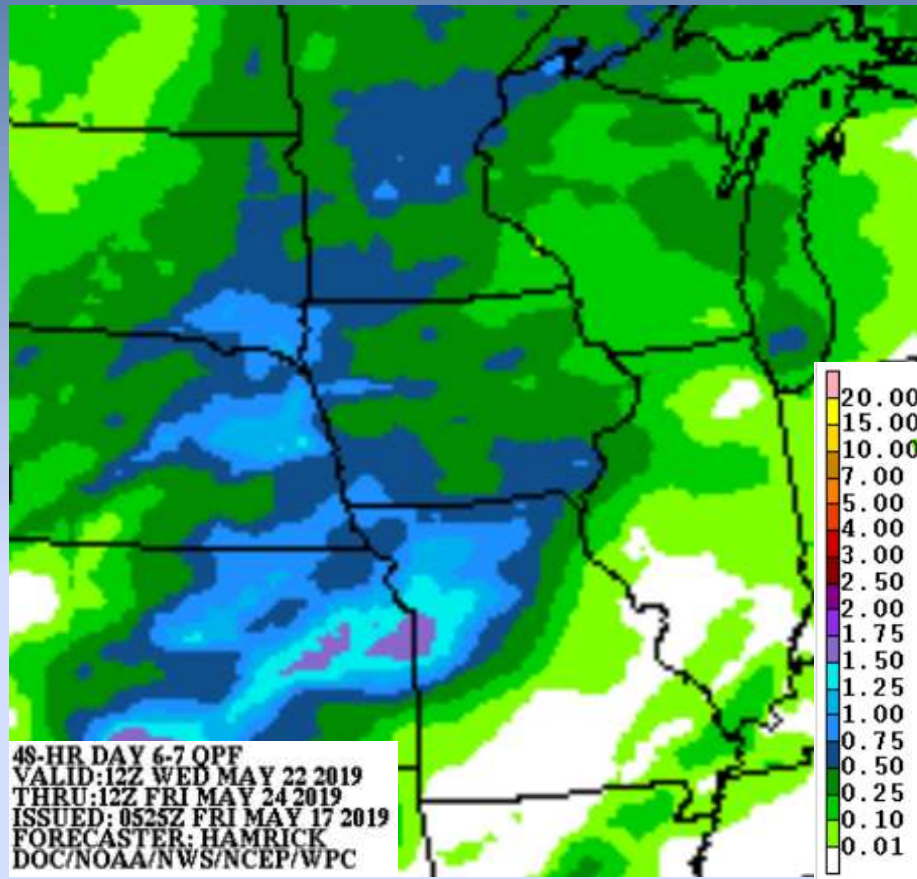
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# Days 6 & 7 Forecast Precipitation

(amounts are NOT included in today's river forecasts)



**Wednesday through Thursday Night**



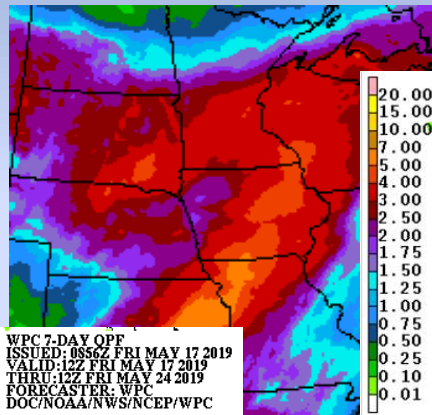
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# Potential Mississippi River Rises

High End Crest  
uses 7 days of  
forecast rainfall  
(image below)




## MISSISSIPPI RIVER LEVEL FORECAST

*River is expected to begin to rising on Sunday.*

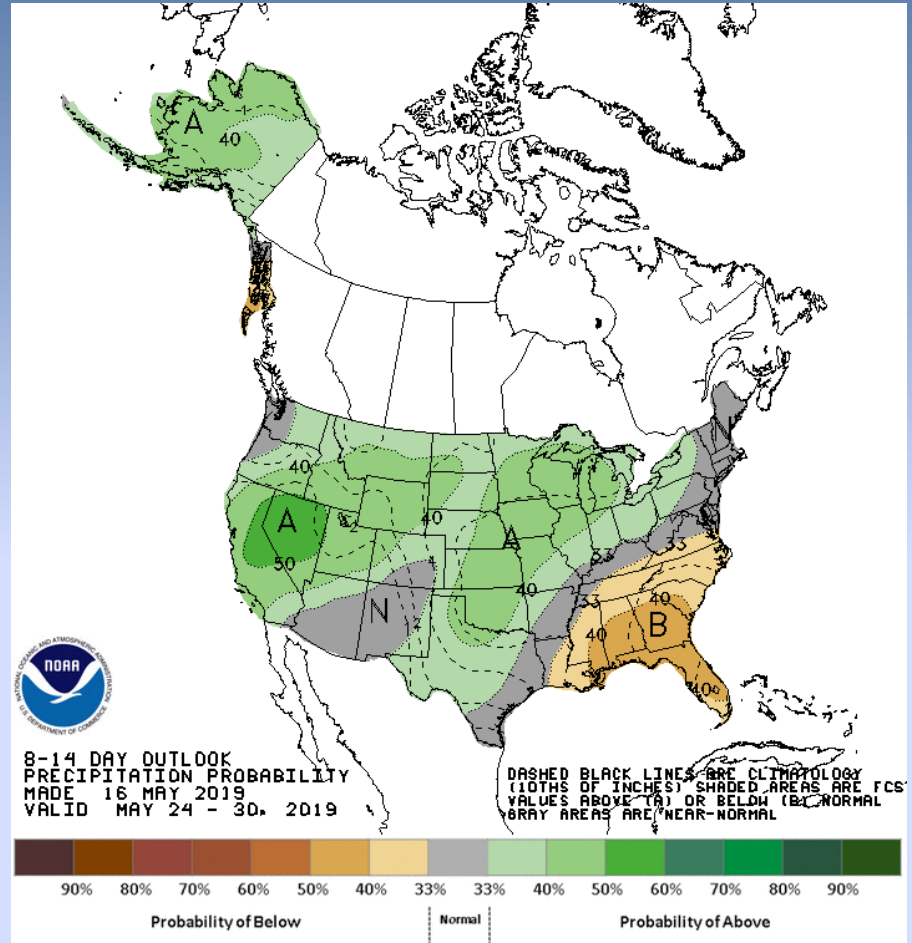
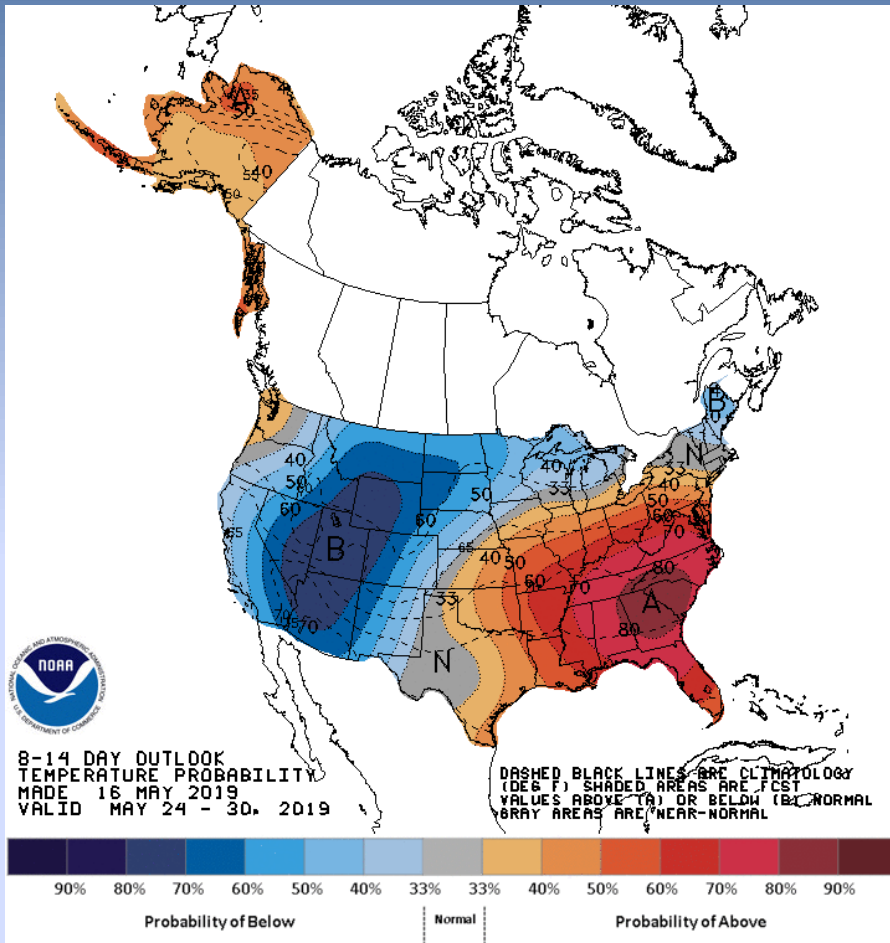
NATIONAL WEATHER SERVICE  
QUAD CITIES

Location	River will reach at	High end crest (feet)
	least(feet)	Low Confidence
Dubuque LD 11	16.5	21.5
Dubuque Railroad Bridge	18	23.5
Bellevue	16	21
Fulton	17	21.5
Camanche	18.5	23
Le Claire	12	15.5
Rock Island	18	21
Illinois City	18	23
Muscatine	19.5	22
New Boston	19	21
Keithsburg	17	19.5
Gladstone	14	17
Burlington	19	22
Keokuk	18.5	22
Gregory Landing	20	23.5





# Week 2 Outlook



May 24<sup>th</sup> – May 30<sup>th</sup>



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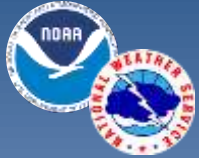


# Week 2 Precipitation Risk



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# Bottom Line for the Next Week

- **River levels will be rising (both mainstem Mississippi River and Tributary Rivers).**
- **The current rainfall forecast: heaviest rainfall NW Missouri into SW Wisconsin. With no shift in the rainfall, tributaries across Iowa would have a higher impact from rainfall.**
- **Confidence in the amounts and placement of forecast rainfall through the next 7 days is not high, however confidence is high that areas will receive heavy rain.**
- **Very little confidence in the weather scenario beyond 7 days, but active weather will mean changes to projected crests could change.**





# 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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