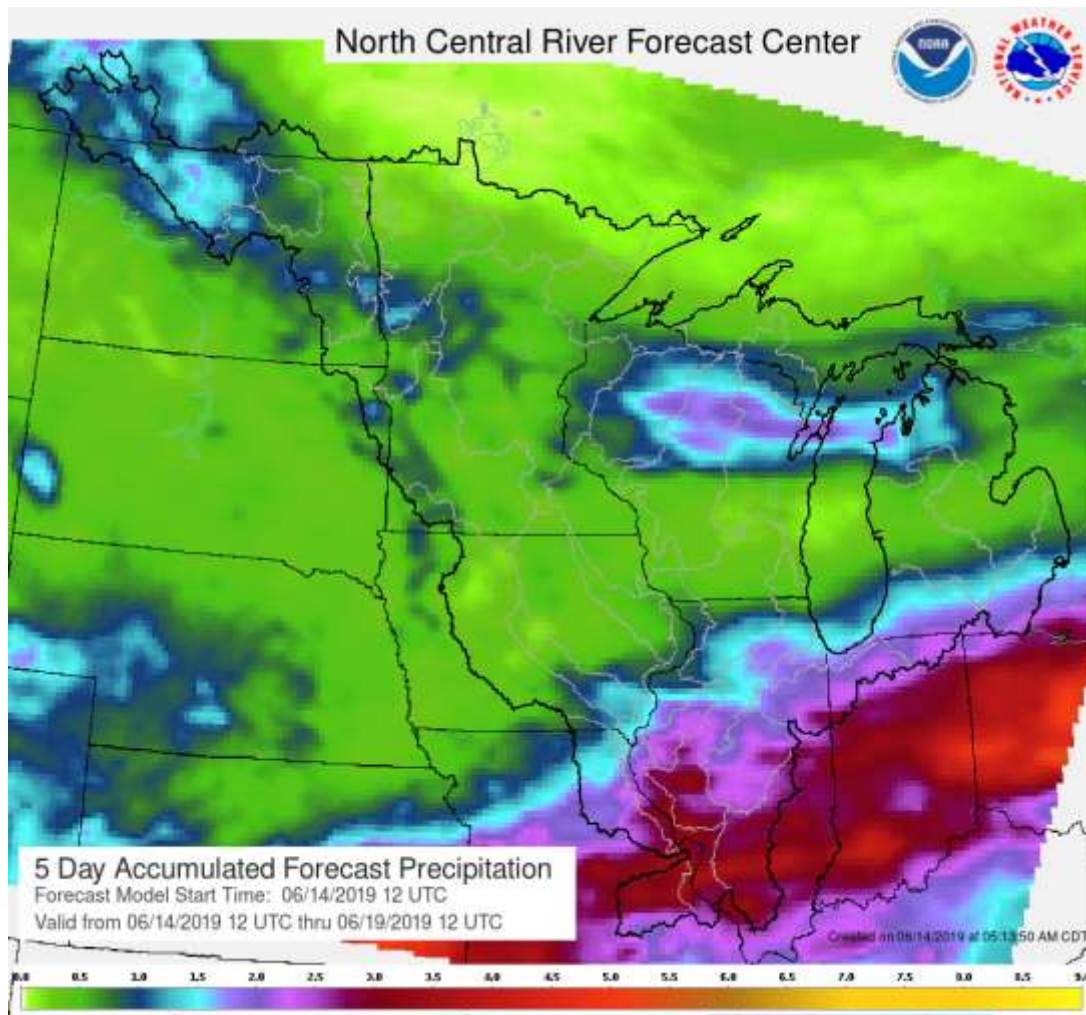




Rivers Receding. Wet Conditions Return, Mainly South



5-Day Rain Forecast

Heavy rain potential through 6/21 will be higher in areas to the south (central Missouri to central and southern Illinois).

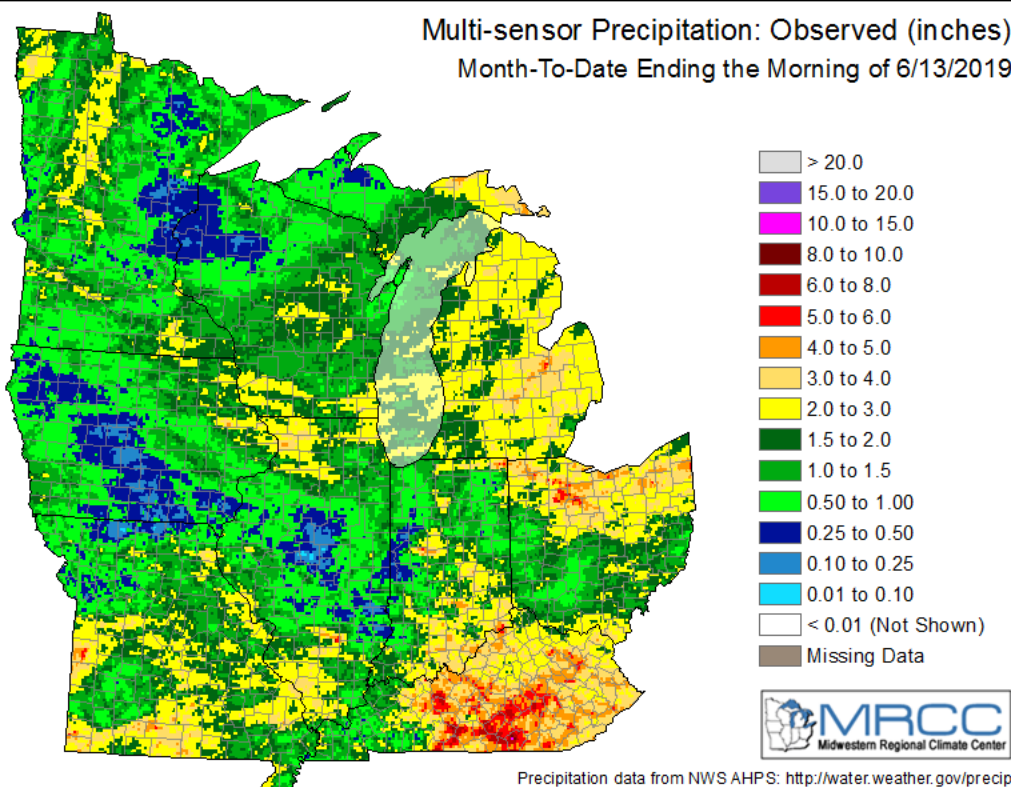
✓ Message of the Day:

- Active weather expected for the next 2 weeks (Active means numerous storm systems are likely to move across the country. May or may not mean heavy rain locally, but numerous chances for rain can be expected in the forecast.)
- On the Mississippi River: Seepage through levees and ground water flooding will continue to be a problem despite the falling river levels. Seepage issues will subside when river levels fall below the levees.
- Updated information will be put on the following webpage unless significant changes occur:
<https://www.weather.gov/dvn/FloodEventUpdates>



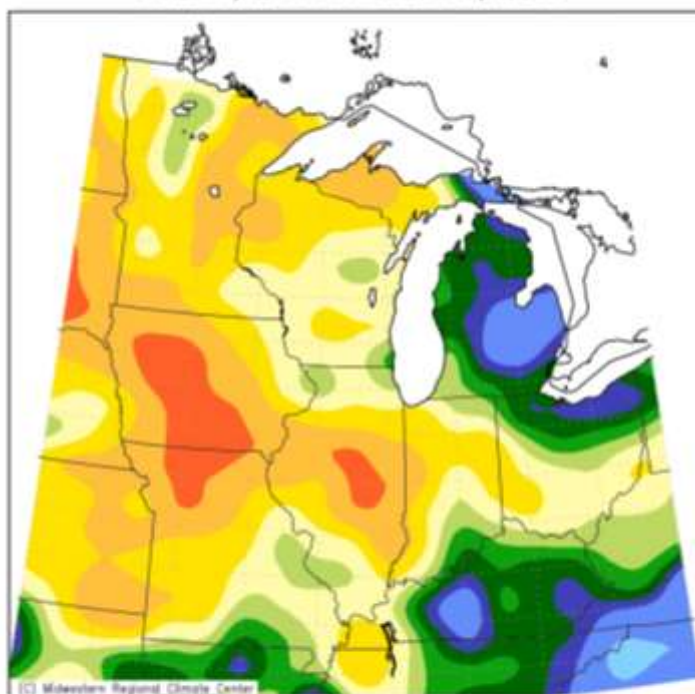
Observed Rainfall - June

Multi-sensor Precipitation: Observed (inches)
Month-To-Date Ending the Morning of 6/13/2019



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

Accumulated Precipitation: Percent of Mean
June 1, 2019 to June 13, 2019



Mean period is 1981-2010.

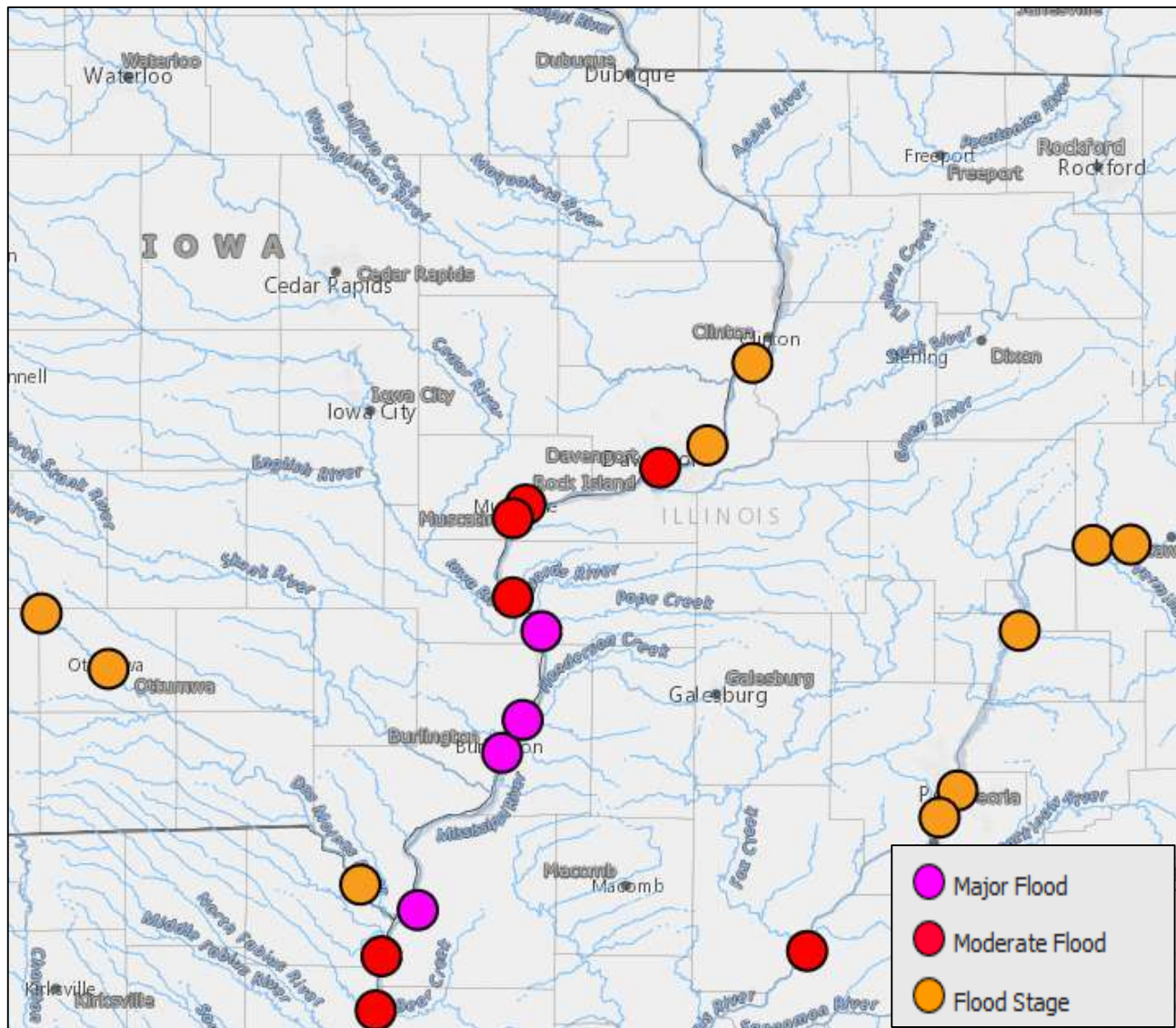


Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana-Champaign

- June has been drier than normal for much of the region.
- Dry conditions allowed river levels to recede over the past few weeks.
- Top image is observed rainfall, bottom is the percentage of normal.



Current Observed Flood Levels

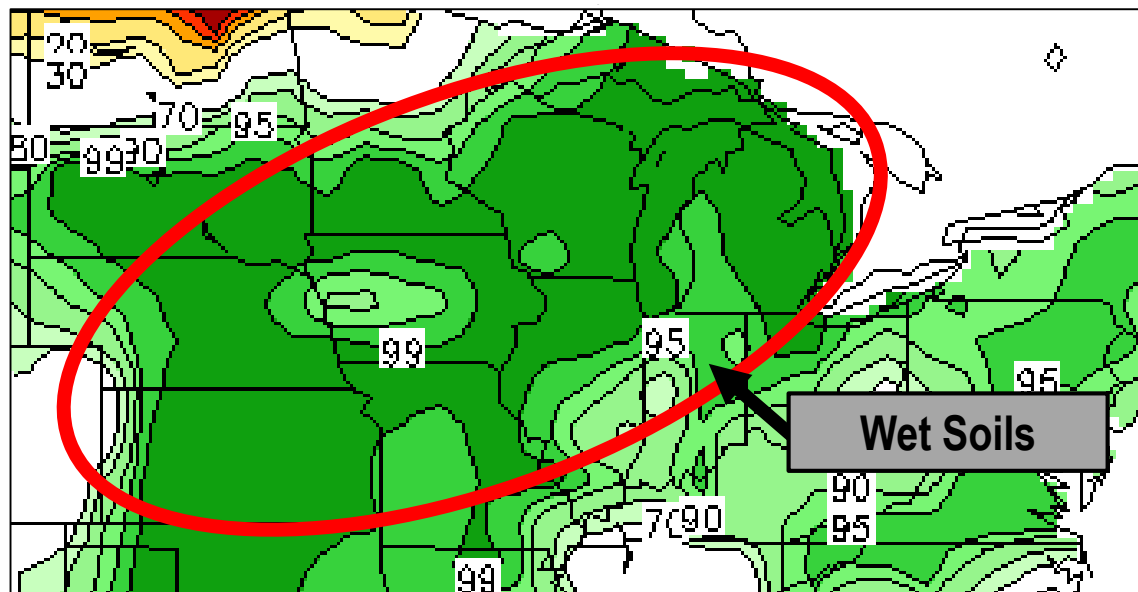


- **Mississippi River – falling**
 - Locations upstream of LD15 at the Quad Cities have either dropped below flood stage or will drop below flood stage over the weekend.
 - Current rainfall forecast would allow all locations to drop below flood stage by the end of June.
- **Tributary Rivers – falling or steady**
 - Des Moines River remains elevated due to high releases from Lake Red Rocks.

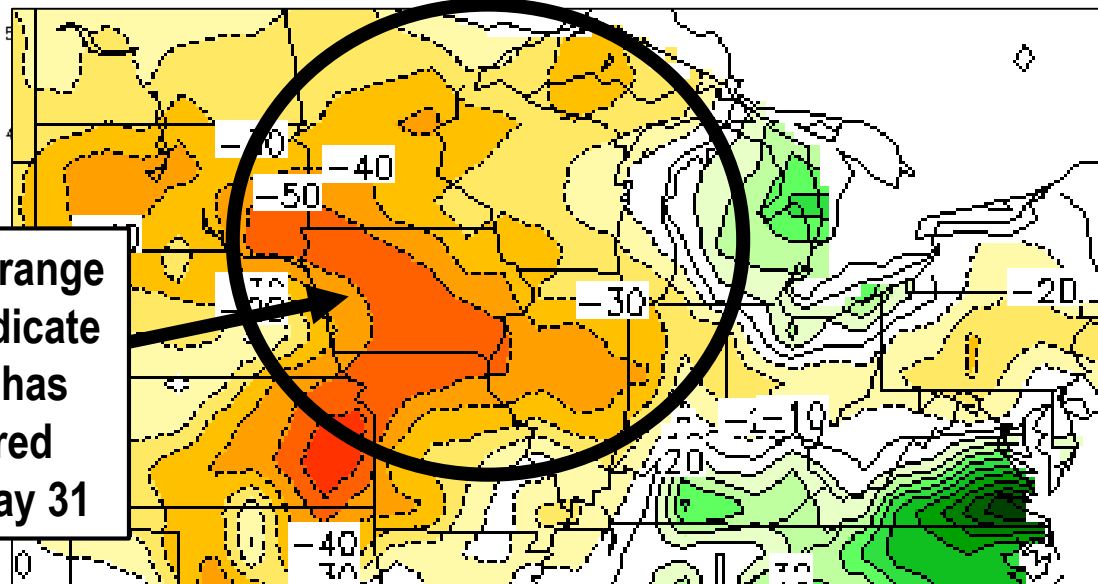


Dry Weather has led to Drying Soil Conditions

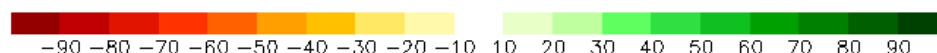
Calculated Soil Moisture Ranking Percentile
JUN 13, 2019



Calculated Soil Moisture Anomaly Change
JUN 13, 2019 from MAY 31



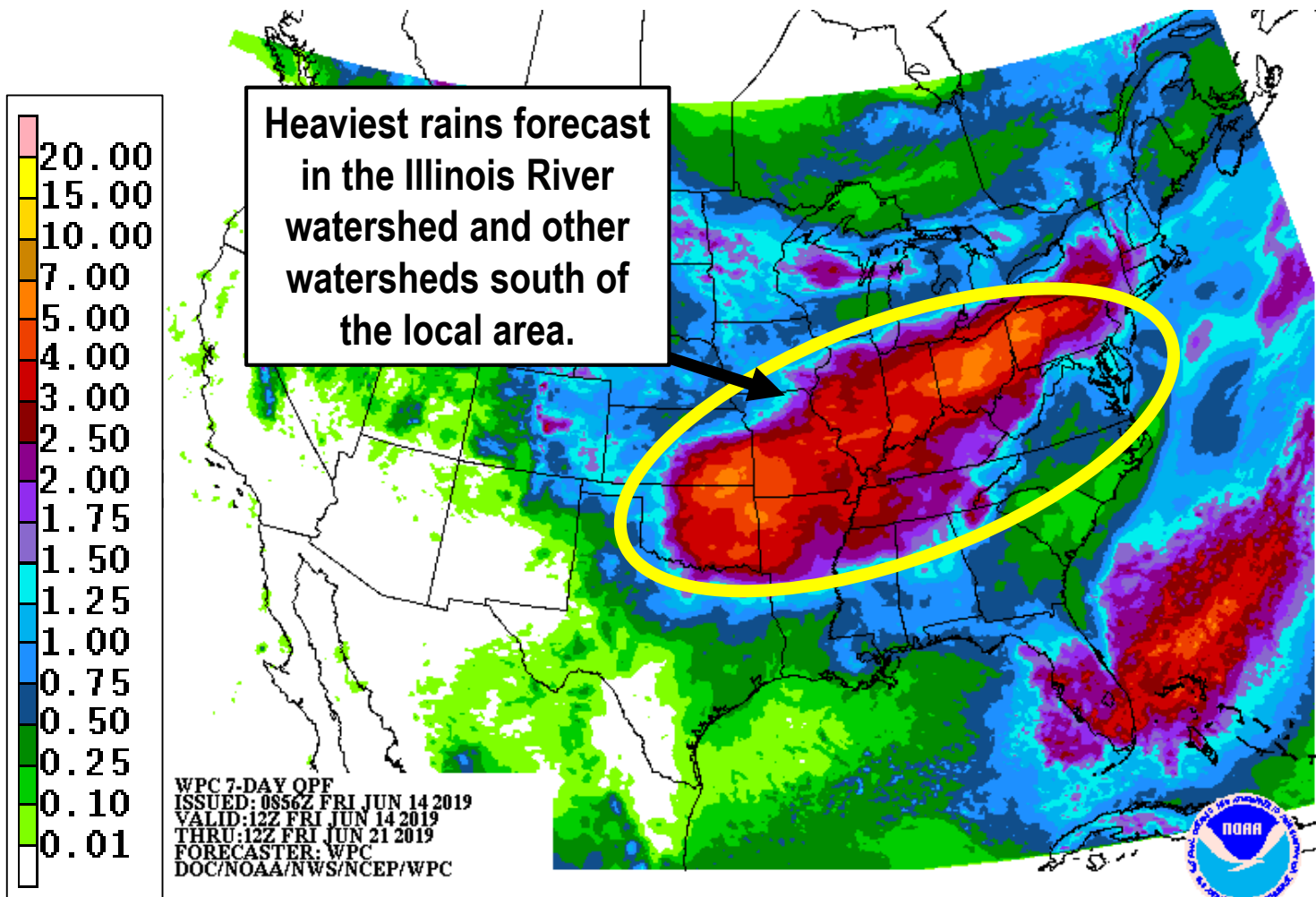
Yellow/Orange
areas indicate
drying has
occurred
since May 31



Soils have dried over the past 2 weeks, with significant improvement seen in the topsoil. However, deeper layers remain saturated and groundwater levels remain high



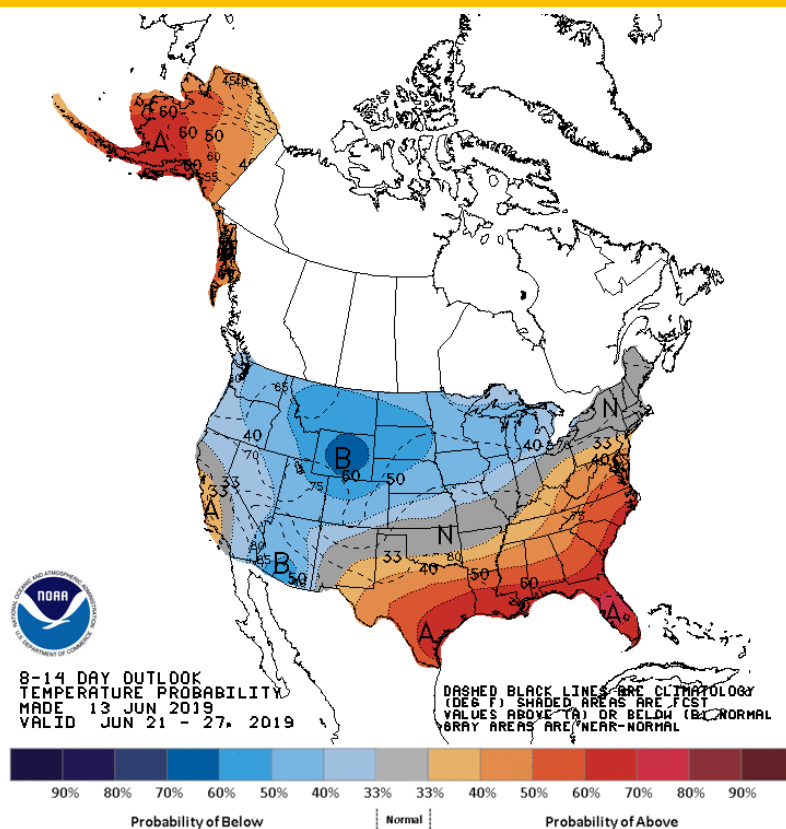
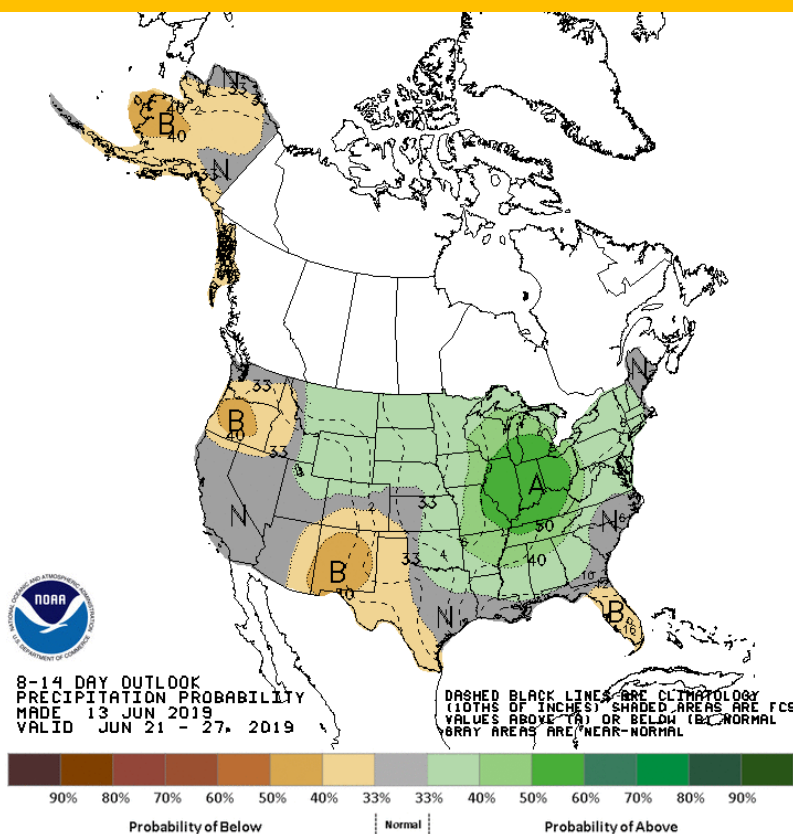
Latest 7-Day Rainfall Forecast



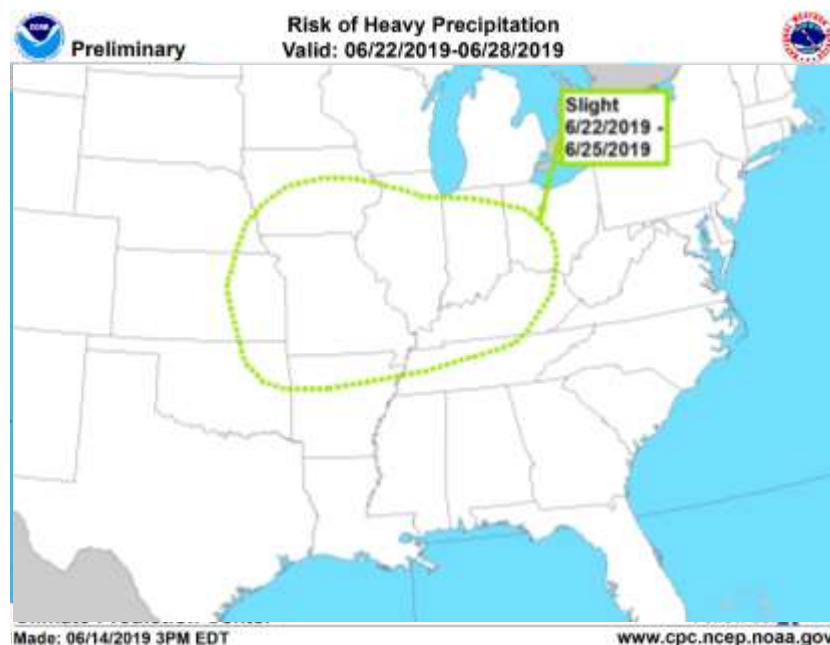
- Several chances for rain in the next 7 days.
- Soils will likely be able to handle the rainfall amounts forecast with minimal impacts to the rivers.
- Most likely impacts to rivers: minor rises or levels will steady off for a period to delay recessions.
- Higher rainfall amounts than forecast could cause new rises as high river levels and a lower threshold to get soils saturated could cause excessive amounts of water into the river systems.



Week 2 Weather Outlook (6/21 → 6/28)



- Above normal precipitation is possible for the last week of June.
- Risk exists for heavy precipitation for the southern part of Iowa, Missouri, and much of Illinois beginning next weekend and into the last week of June.





Mississippi River Recession Timing

Mississippi River Continues to Fall



Location	Date Expected Below Flood Stage
Dubuque LD11	June 11 th
Dubuque	June 13 th
Bellevue	June 10 th
Fulton	June 14 th
Camanche	June 15 th
Le Claire	June 15 th
Rock Island	June 17 th
Illinois City	June 17 th
Muscatine	June 18-19 th
New Boston	June 20-21 st
Keithsburg	June 21-22 nd
Gladstone	June 22-24 th
Burlington	June 23-25 th
Keokuk	June 19-20 th
Gregory Landing	June 22-23 rd



Note: sites in red has fallen below flood stage. For other sites, if heavy rains occur in or north of the area, these dates may be delayed a few days.

Issued: 6/14/2019 10:42 AM



www.weather.gov/QuadCities



NWS Quad Cities



@NWSQuadCities

Published on: 06/14/2019 at 10:43AM



Message of the Day:

- Weather pattern is expected to be active over the next several weeks.
- Dry weather has allowed soils to dry. Topsoil conditions have improved in many areas, while deeper soils remain saturated.
- Most areas should be able to handle the current forecast rainfall for the next week with minimal impacts to area rivers.
- Sensitivity exists to additional rainfall for new river level rises as long as the rivers stay high and high soil moisture is in place.
- Lowland areas, especially areas in floodplains, are likely still observing flooding due to high ground water levels. This will continue until the rivers recede further and groundwater is able to move back towards the river.
- Potential for heavy rain in week 2? Stay tuned for additional information regarding heavy rain potential and impacts to rivers.
- **While major flooding is ongoing, daily updates will be provided at: <https://www.weather.gov/dvn/FloodEventUpdates>**



Find out more information on our Flood Event Page:

www.weather.gov/dvn/FloodEventUpdates

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



@NWSQuadCities



NWSQuadCities



Building a Weather-Ready Nation