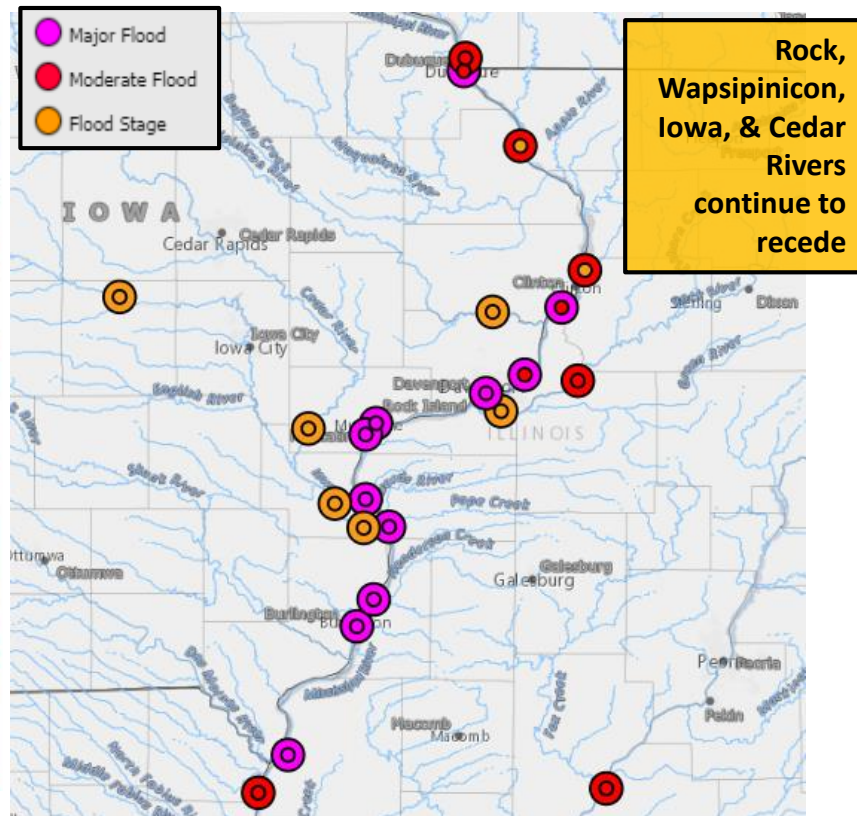
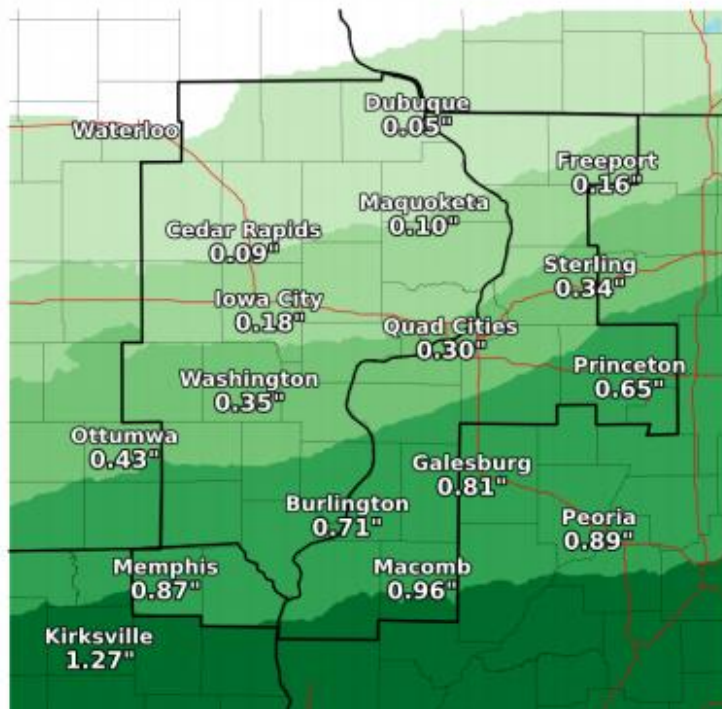




Major River Flooding Continues

Rainfall Forecast Through Early Saturday Morning



Message of the Day:

- Rain will fall across the area through Saturday. Heaviest rains expected across Missouri into central Illinois. Significant impacts are not expected on area rivers, but minor rises may be observed in areas south of I-80.
- The most current round of snowmelt water from Minnesota & Wisconsin is working towards the Mississippi River.
- Timing on this snowmelt crest is becoming clearer, with crests expected as early as April 5th in the Dubuque area, but additional precipitation will be a key player.
- Rainfall potential for next week is being monitored closely – very uncertain at this time. Could cause changes in the crest peaks and timing.

Important Forecast Changes:

River forecasts currently use 48 hours of forecast rainfall. On the morning of April 1st, this will change for the warm season. Beginning with the morning forecasts on April 1, forecasts will use 24 hours of forecast rainfall.





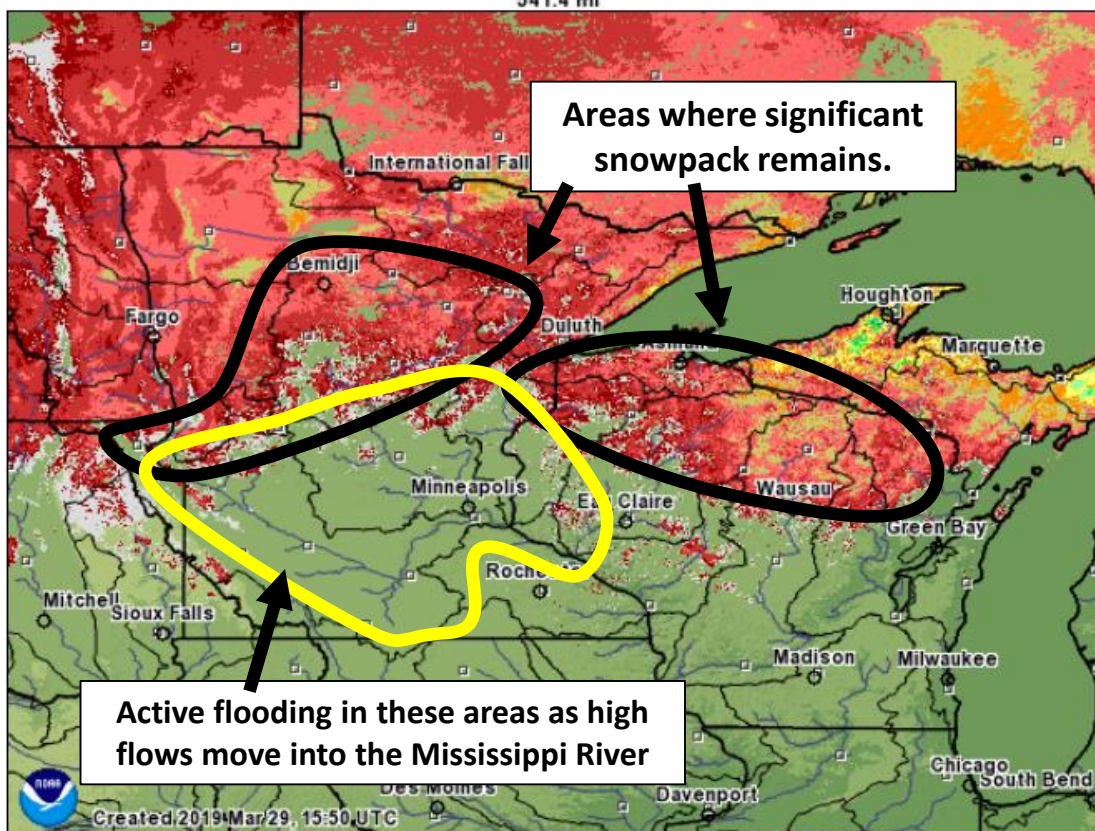
Upper Mississippi Snowpack Information

The snowpack has lessened, but the far northern areas still have snow on the ground. Flooding is ongoing across portions of Minnesota as recent snowmelt water moves through the river systems.

Favorable snowmelt has occurred, which favors lower crests than what early season probabilities had indicated.

Without rain, the remaining snow is not anticipated to cause higher crests than what will be observed in early to mid April.

Modeled Snow Water Equivalent forecasted for 2019 March 29, 17:00 UTC



Future rainfall remains uncertain, which could bring additional significant rises.



Ongoing and Forecast Significant Flooding

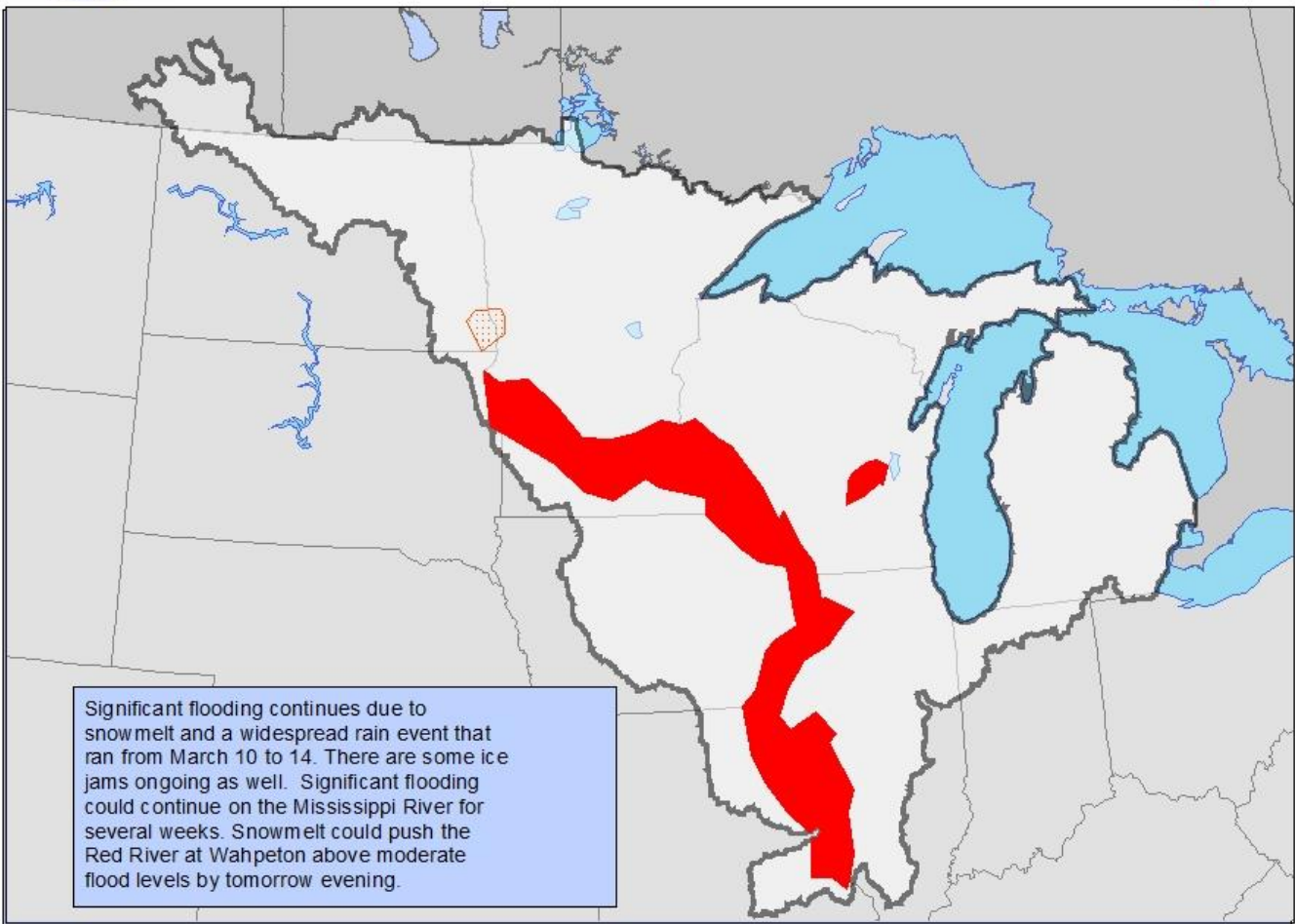
Snowmelt water is working its way into the Mississippi River from northern areas, while flooding continues locally.



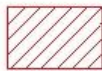
Significant River Flood Outlook

Valid: 3/28/2019 - 4/2/2019

North Central River Forecast Center 3/28/2019 12:36:52 PM



SIGNIFICANT RIVER FLOODING POSSIBLE.



SIGNIFICANT RIVER FLOODING LIKELY.



SIGNIFICANT RIVER FLOODING OCCURRING OR IS IMMINENT.

Historical Perspective:

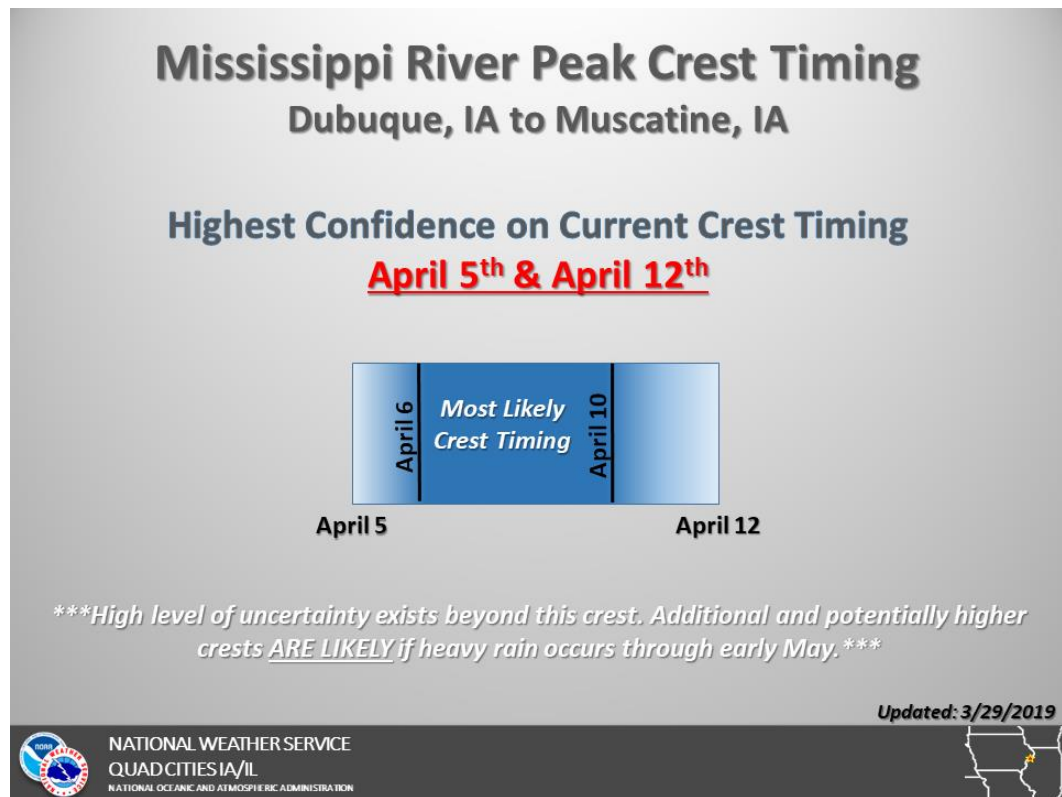
Record levels are not expected from the current snowmelt moving through the Mississippi River system. However, high levels will leave the river prone to extreme levels given significant rainfall in the coming weeks.



Mississippi Snowmelt Crest Timing: DLDI4 → MUSI4

Dubuque through Muscatine:

**Rising river levels for the next week.
Crests likely between April 5 and April 12.**



- Any heavy precipitation into May could cause a later and higher crest.
- Portions of the river will likely remain above flood stage into May

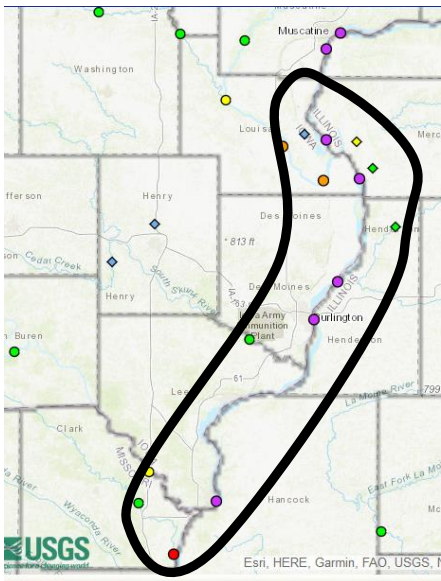


Mississippi Snowmelt Crest Timing: NBOI2 → GGYM7

Downstream of Muscatine:

Slight recession will continue into early next week, before new rises will begin.

Eventual crests expected between April 6 & 13



Mississippi River Crest Timing Downstream of Muscatine, IA

The current crest moving down the Mississippi River should reach this stretch of the river (New Boston → Gregory Landing) between **April 6th and April 13th**.

April 6	Most Likely Crest Timing	April 13
---------	--------------------------	----------

If little or no rain falls in the next 7-10 days, this crest may be lower than what was observed in the past few weeks.

****High level of uncertainty exists beyond this crest. Additional and potentially higher crests ARE LIKELY if heavy rain occurs through early May.****

Updated: 3/29/2019

NATIONAL WEATHER SERVICE
QUAD CITIES IA/IL
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

- Drier conditions would support a crest near or even below levels that have been reached already this spring.
- Heavy rain through the end of April or early May would likely cause a later and higher crest.
- The river will likely remain above flood stage into May

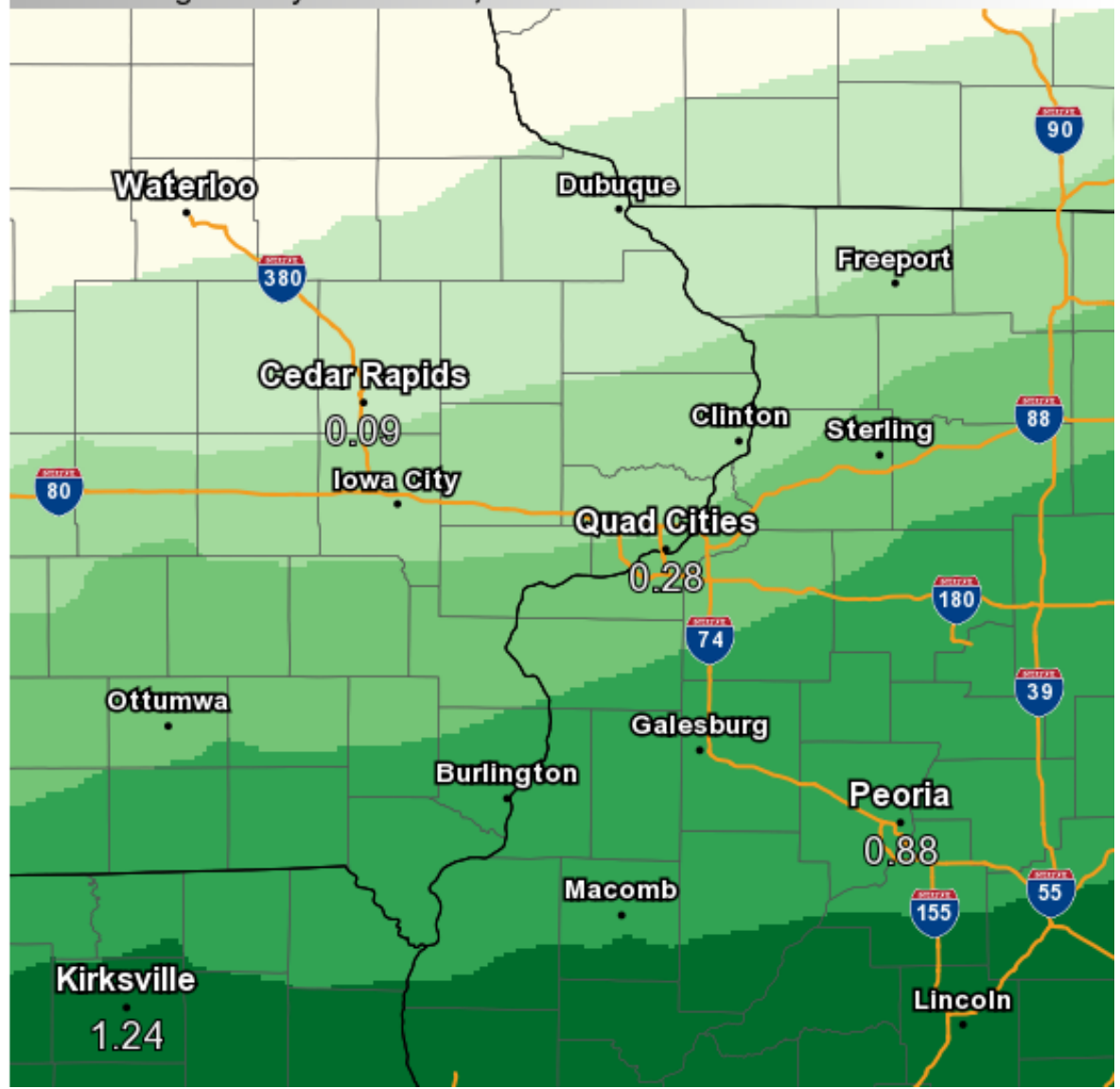
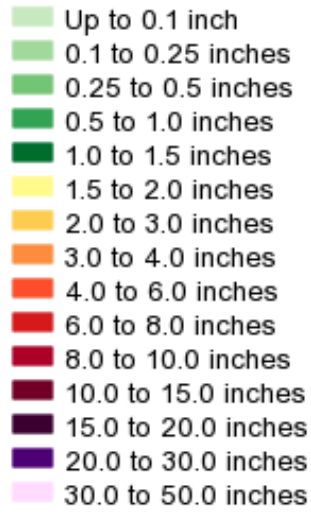


Local Forecast Precipitation through Saturday

- Heaviest rain will fall downstream of the local area.
- Little impact to rivers locally, generally slower recessions or minor rises.

Forecast Precipitation

Valid Ending Sunday March 31st, 2019 at 7 PM CDT

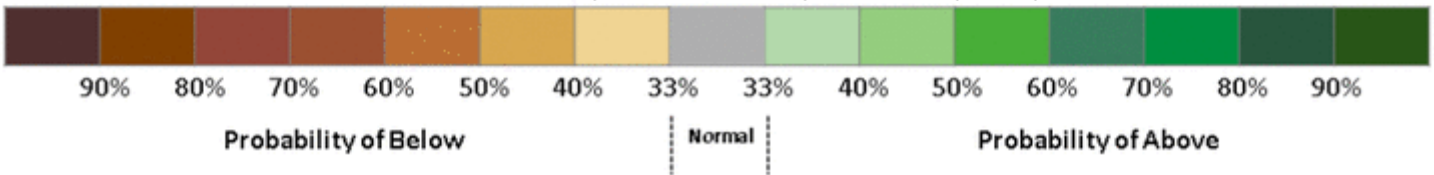
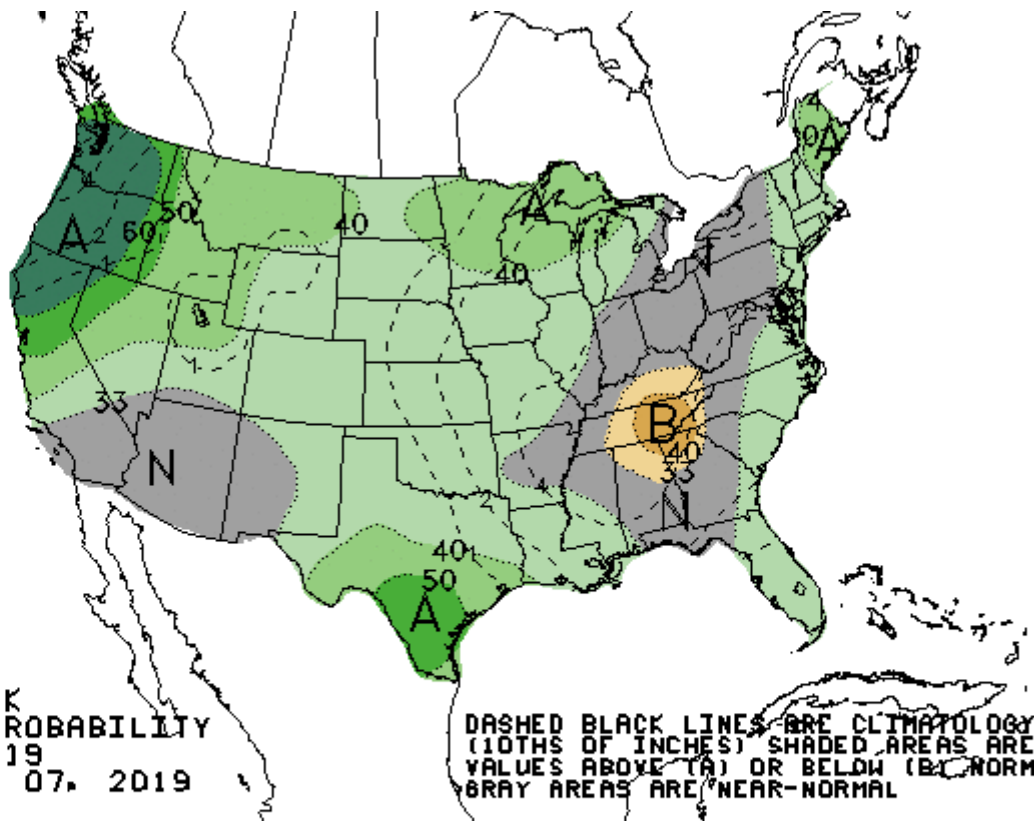


Graphic Created
March 29th, 2019
10:36 AM CDT



Precipitation Forecast beyond Saturday

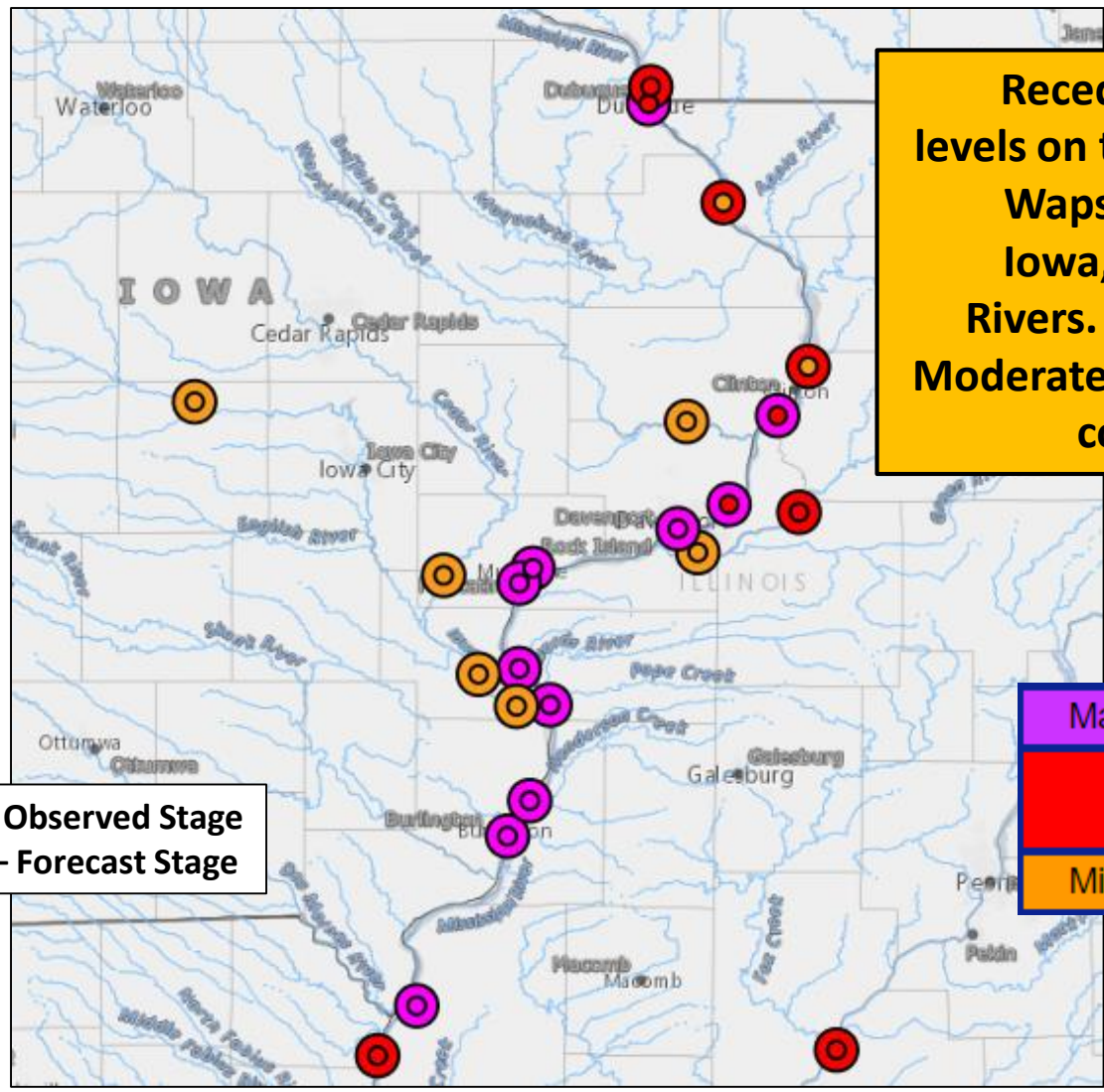
- Dry conditions will occur from Sunday through Tuesday
- Rain chances return to the area Wednesday next week



Considerable uncertainty exists in placement and amounts of rainfall next week.



Observed and Forecast River Levels



Receding river levels on the Rock, Wapsipinicon, Iowa, & Cedar Rivers. Minor to Moderate flooding continues.

Major Flooding
Moderate Flooding
Minor Flooding

Inner Circle – Observed Stage
Outer Circle – Forecast Stage

Mississippi River Forecast Trends

- Dubuque through Le Claire will experience rising levels through the weekend.
- Quad Cities through Muscatine will stay fairly level then start to rise by the end of the weekend.
- Downstream of Muscatine, levels will recede through the weekend then start rising again early next week.



Message of the Day:



- Wet conditions into Saturday. Heaviest rains expected across Missouri into central Illinois. Significant impacts are not expected on area rivers, but minor rises may be observed in areas south of I-80.
- The most current round of snowmelt water from Minnesota & Wisconsin is working towards the Mississippi River.
- Timing on this snowmelt crest is becoming clearer, with crests expected as early as April 5th in the Dubuque area, but additional precipitation will be a key player.
- Rainfall potential for next week is being monitored closely – very uncertain at this time. Could cause changes in the crest peaks and timing

NWS Quad Cities WFO Forecast Discussions

(technical weather and hydrology discussion)

forecast.weather.gov/product.php?site=DVN&issuedby=DVN&product=AFD

NWS Quad Cities WFO River Information Page

www.weather.gov/dvn/river_levels

Advanced Hydrologic Prediction Service (AHPS)

<https://water.weather.gov/ahps2/forecasts.php?wfo=DVN>

Find out more information on our rivers page: www.weather.gov/dvn/river_levels

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



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