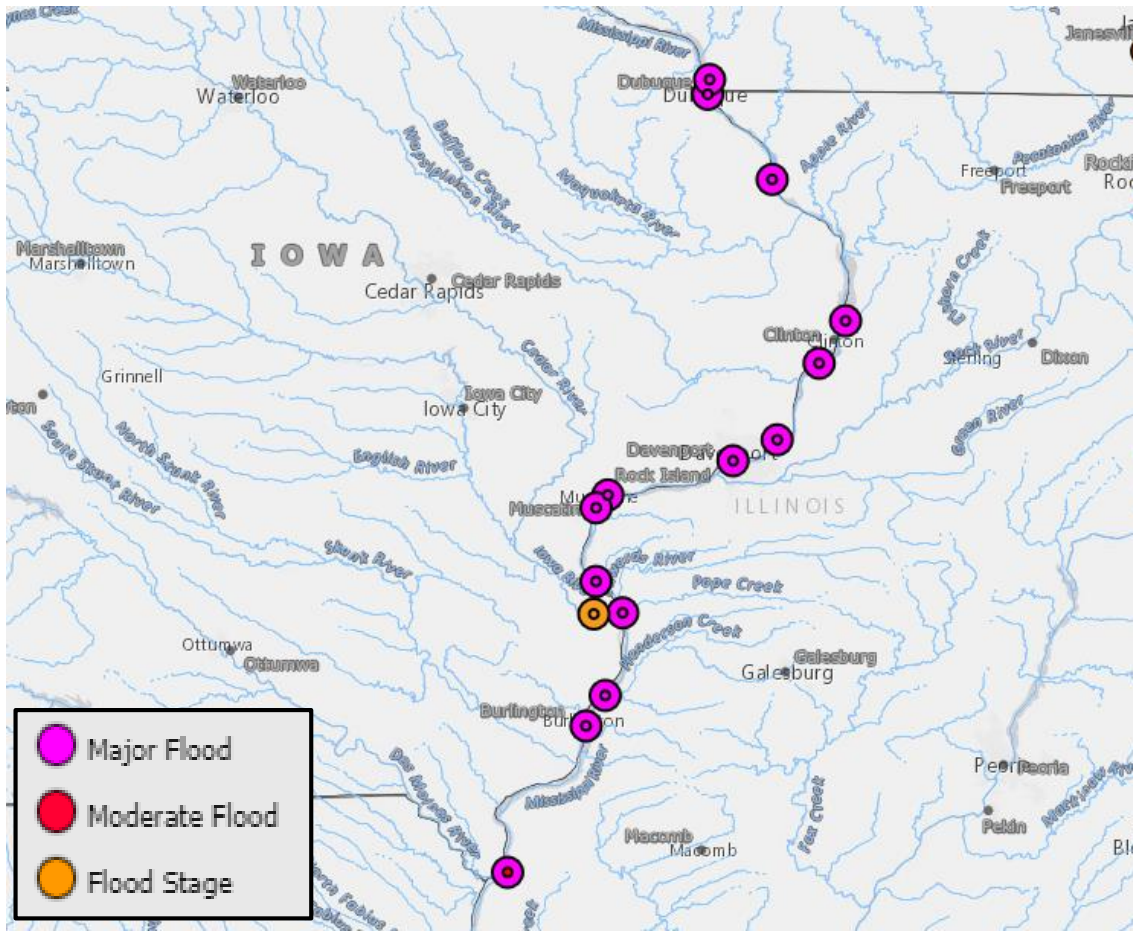




Major River Flooding Continues



Message of the Day:

- Crest from snowmelt in Minnesota and Wisconsin is reaching Dubuque and will advance downriver through next week.
- Timing on this snowmelt crest is becoming clearer, and confidence increasing as light rainfall this weekend is not expected to be a factor.
- Additional storm systems around the middle of next week and beyond may produce heavy rainfall and impact flooding. These will be monitored closely as they may prolong flooding or lead to additional crests.

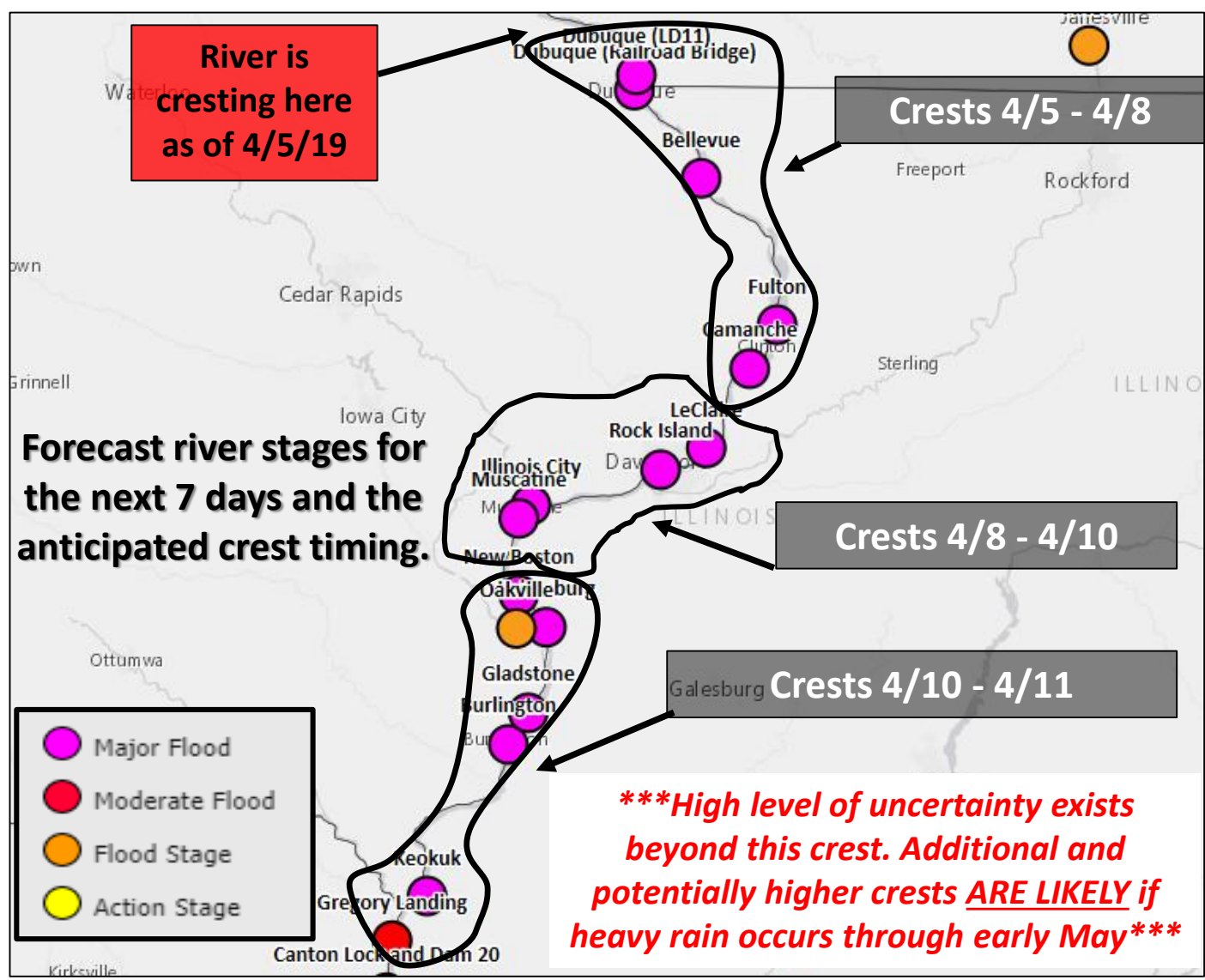
Important Forecast Changes:

Rainfall this weekend rain is expected to be light and not significantly impact river flooding.





Mississippi Snowmelt Crest Timing



Mississippi River Forecast Trends

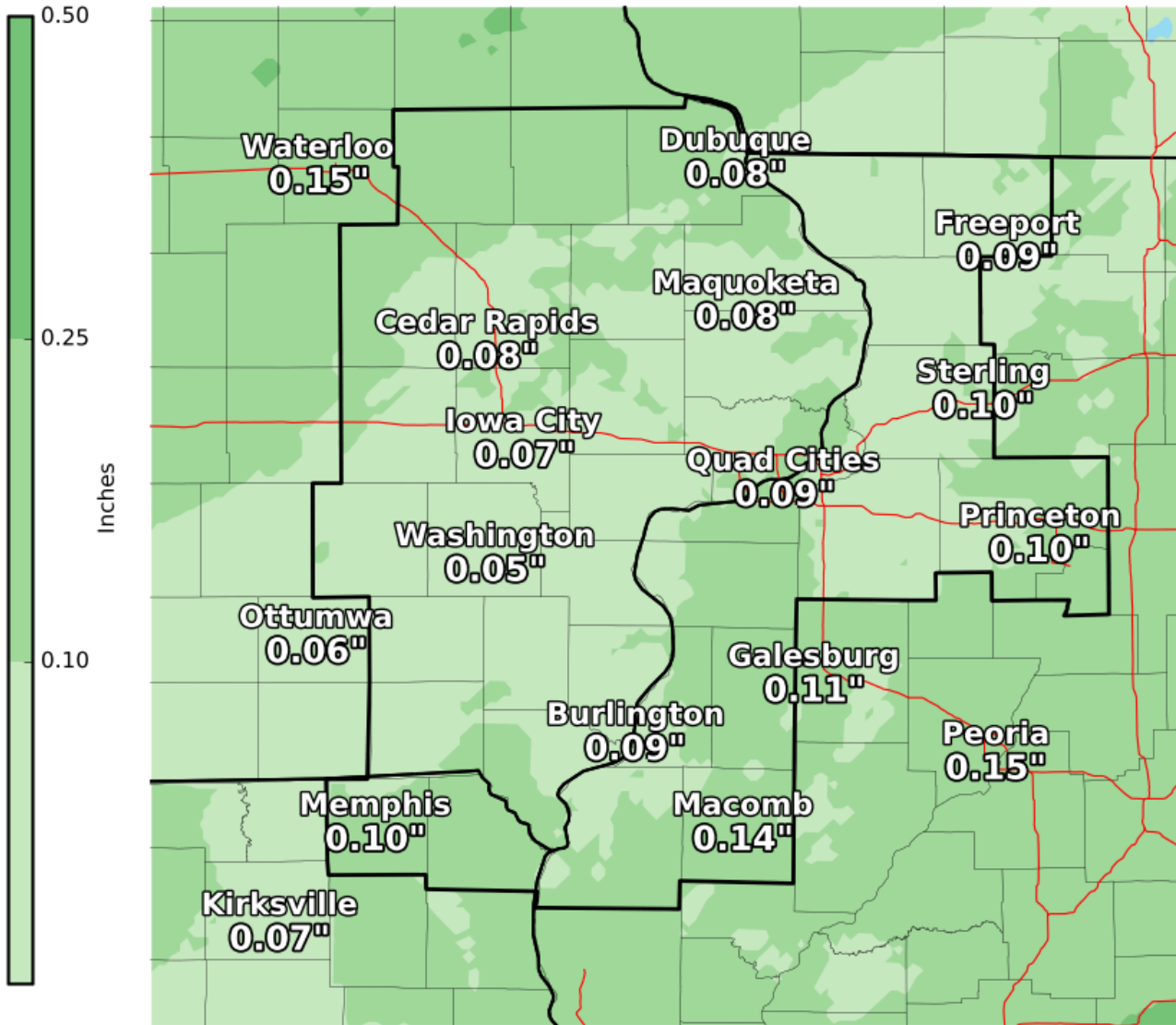
- Cresting near Dubuque through Saturday, advancing downriver through Camanche through Monday
- Quad Cities through Muscatine will crest Monday and Tuesday.
- Cresting Wednesday and Thursday New Boston to Gregory Landing
- Midweek storm system could impact crests



Weekend Precipitation Forecast

- Showers and isolated thunderstorms Sunday and Sunday night not expected to produce heavy rain.
- No significant impact on rivers.

Sunday - Sunday Night Rainfall
Valid: 04/07/2019 01:00 AM - 04/08/2019 07:00 AM CDT



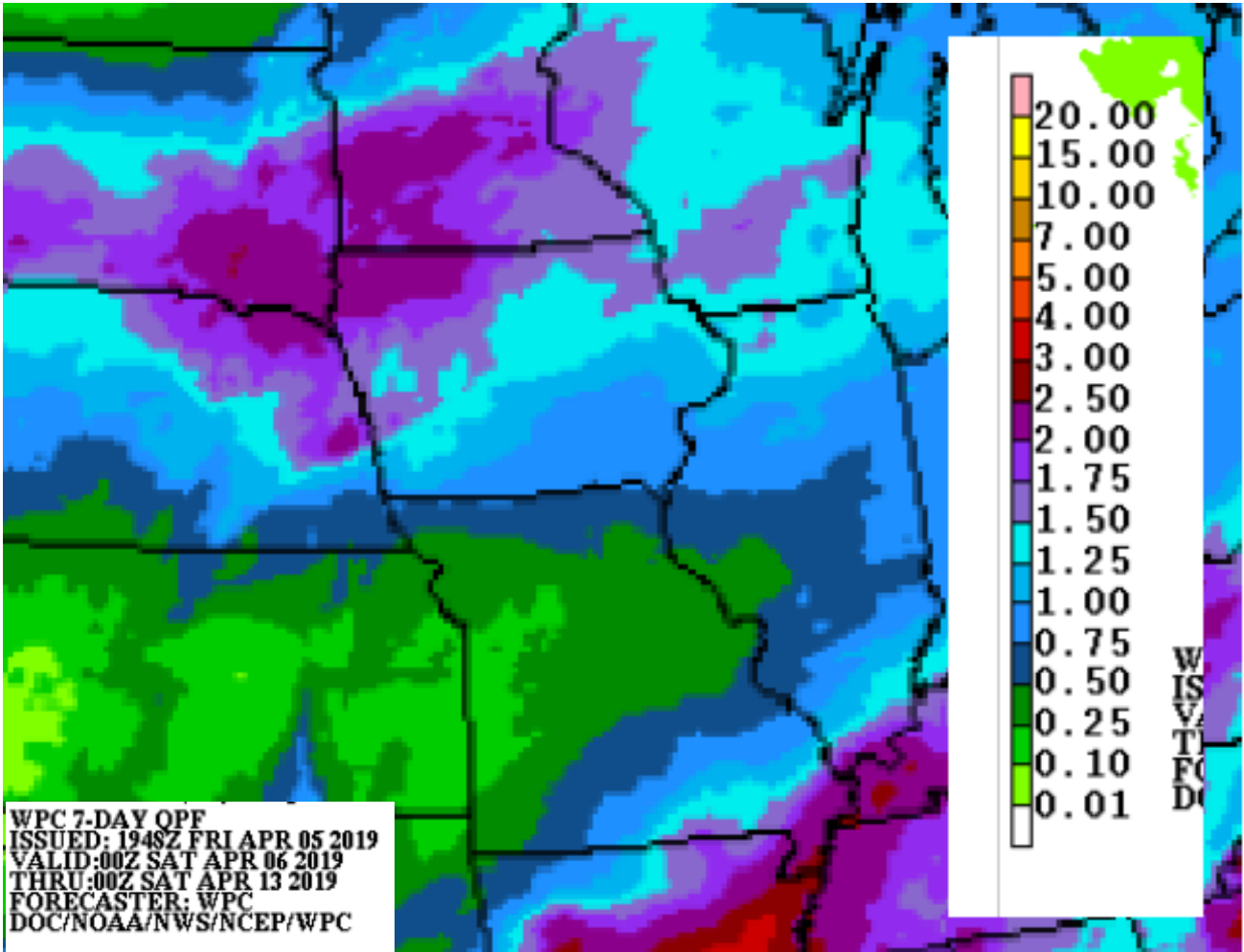
National Weather Service
Quad Cities IA/IL
04/05/2019 02:04 PM CDT

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weather.gov/dvn



7 Day Precipitation Outlook

- Systems with potential for heavy rainfall possible Wed and Thursday and next Sunday into the following week.
- Potential to prolong flooding or lead to additional crests rivers.

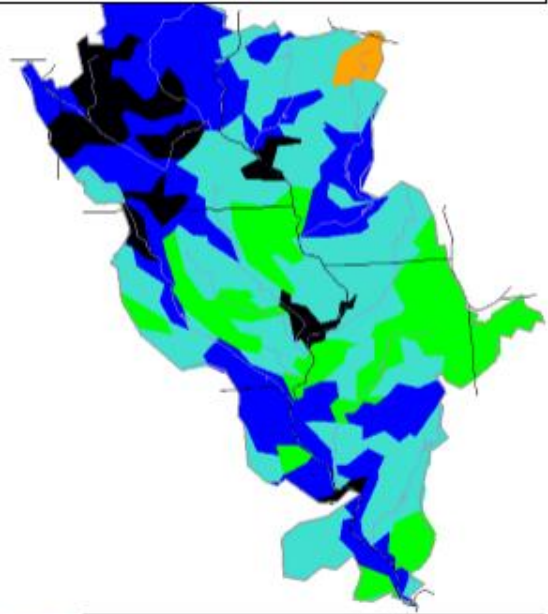


WPC 7 Day Rainfall Outlook Saturday through Friday



Soil Moisture and Streamflow

7-Day Average Streamflow
Tuesday, April 2, 2019



USGS

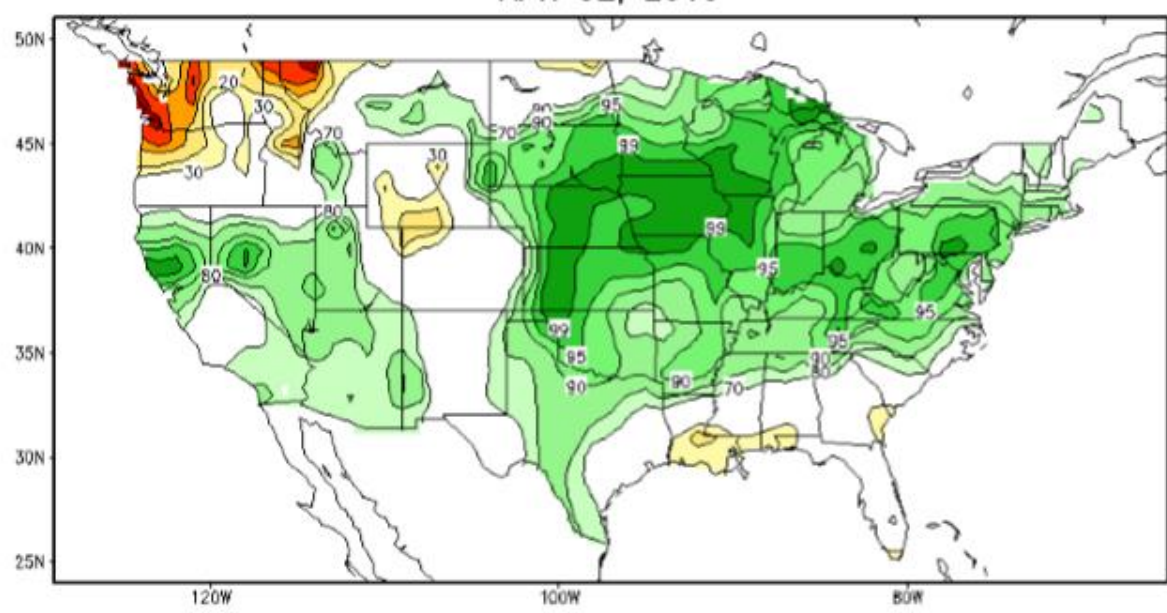
Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	No Data

River levels remain at above normal levels for the entire Upper Mississippi River Watershed

Soil Moisture remains very high across the region.

These factors keep the area very susceptible to additional rises from heavy rains.

Calculated Soil Moisture Ranking Percentile
APR 02, 2019



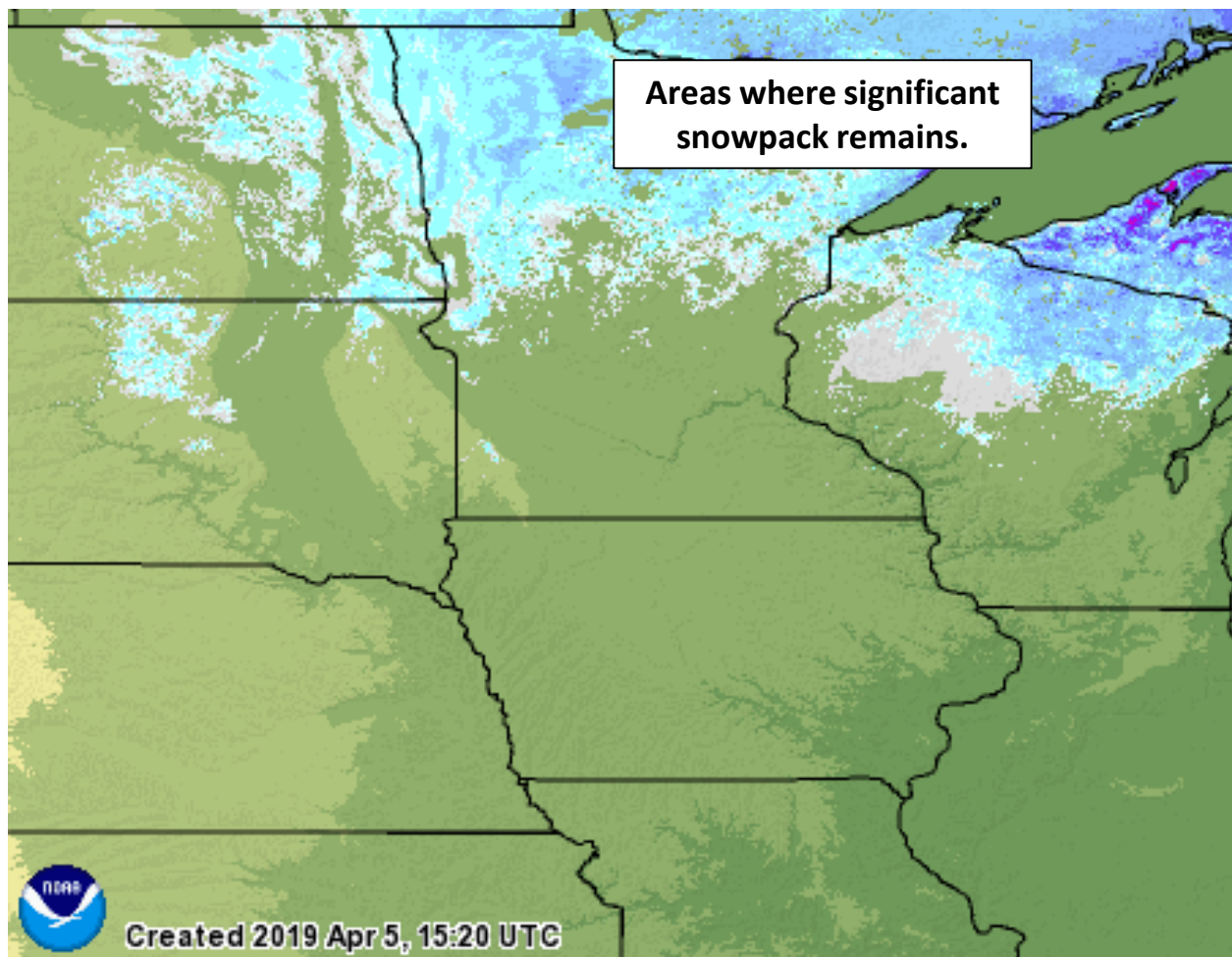


Upper Mississippi Snowpack Information

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.



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



Ongoing and Forecast Significant Flooding

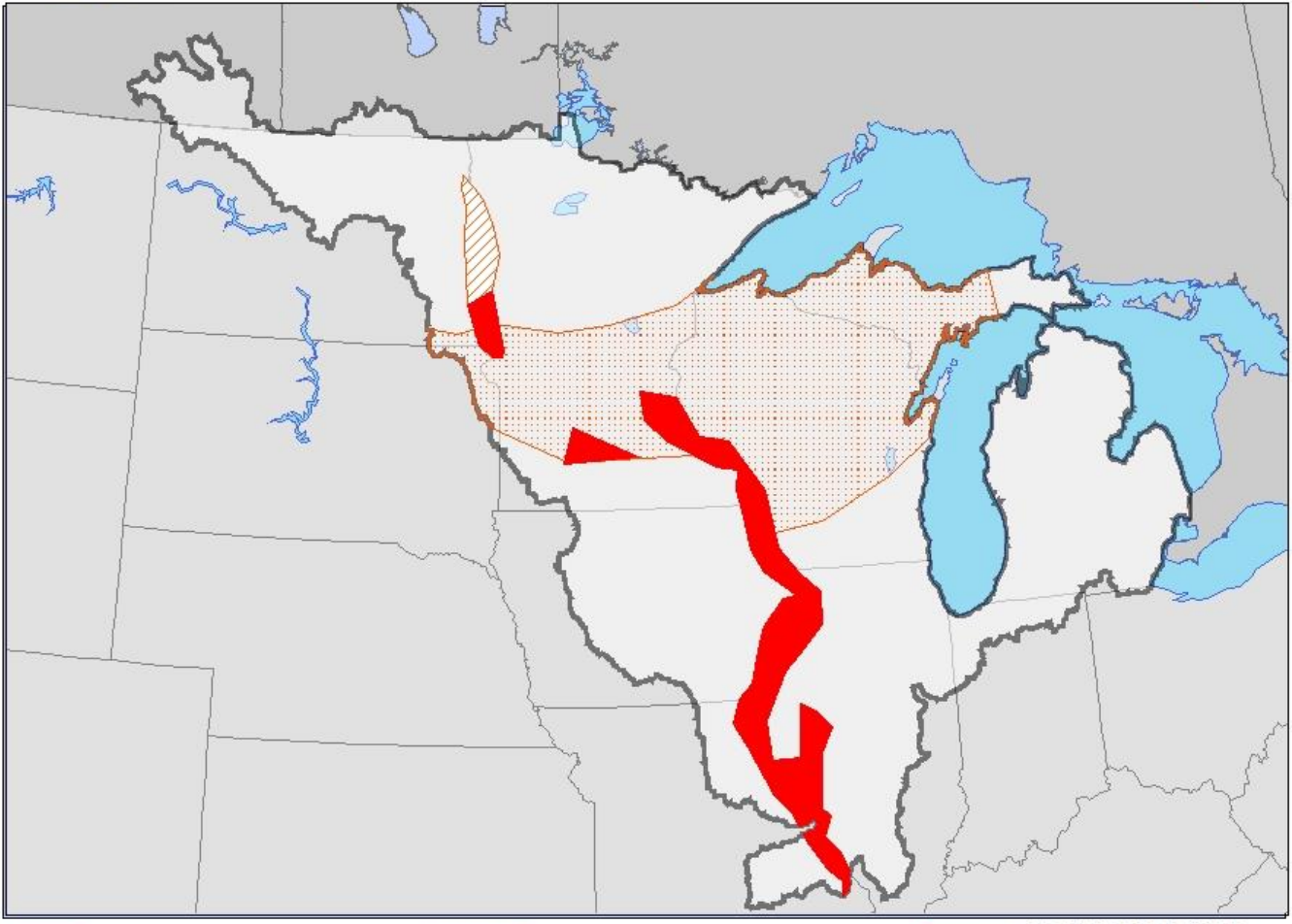
Snowmelt water is working its way through the Mississippi River from northern areas, while flooding continues locally.





Significant River Flood Outlook



Valid: 4/5/2019 - 4/10/2019
North Central River Forecast Center 4/5/2019 11:36:33 AM



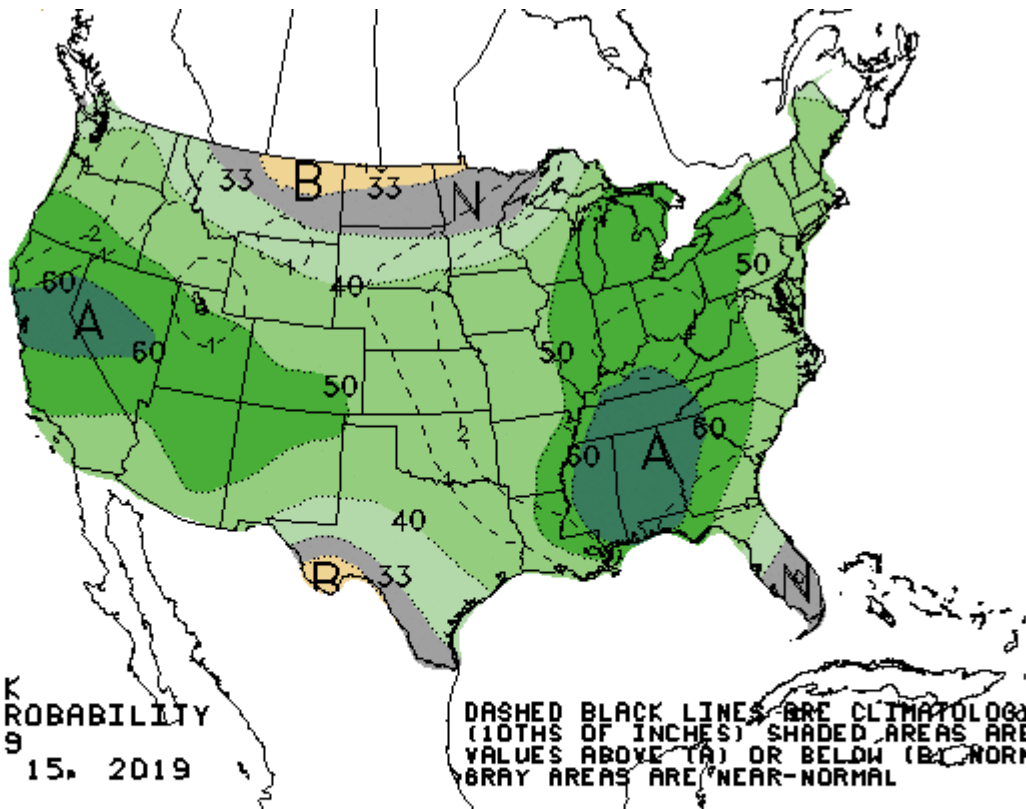
 SIGNIFICANT RIVER FLOODING POSSIBLE.	 SIGNIFICANT RIVER FLOODING LIKELY.	 SIGNIFICANT RIVER FLOODING OCCURRING OR IS IMMINENT.
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Historical Perspective:

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.

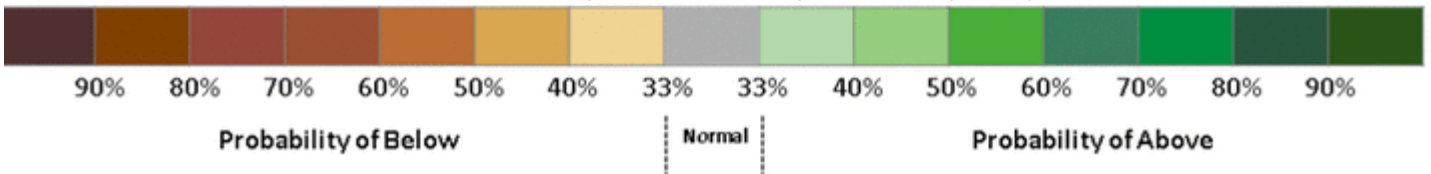


Precipitation Outlook Beyond next Saturday



6-10 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 5 APR 2019
VALID APR 11 - 15, 2019

DASHED BLACK LINES ARE CLIMATOLOGY
(10THS OF INCHES) SHADED AREAS ARE FCS
VALUES ABOVE (A) OR BELOW (B) NORMAL
GRAY AREAS ARE NEAR-NORMAL



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



Message of the Day:



- Crest from snowmelt in Minnesota and Wisconsin is reaching Dubuque and will advance downriver through next week.
- Timing on this snowmelt crest is becoming clearer, and confidence increasing as light rainfall this weekend is not expected to be a factor.
- A developing wetter pattern will bring additional storm systems around the middle of next week and beyond. These may produce heavy rainfall and impact flooding. This situation will be monitored closely as they it may prolong flooding or lead to additional crests.

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

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