

National Weather Service



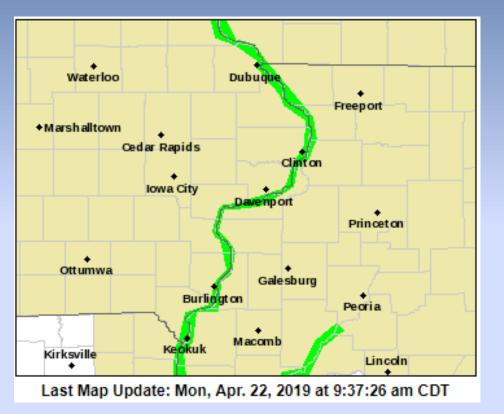
Main Points

- Rises have begun again from Dubuque through Bellevue
- Downstream of Bellevue levels will continue to recede before starting to rise again through this week.
- Keokuk and downstream won't see rises starting again until next weekend.
- The lower levels will be temporary!
- Levels are expected to rise to near previous crests reached a few weeks ago or higher than previous crests upstream of Muscatine.
- Snowmelt runoff is all in the system. Snowmelt crests are now moving through the Minnesota and Wisconsin River systems
- The entire region remains very susceptible to additional river rises with heavy rains.
- There is a risk for heavy rain accumulations through Tuesday morning.
- The longer the rivers stay at high levels, the more chances there will be to have heavy rains and then subsequent river rises.

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Current Warnings



Mississippi River – ongoing flooding

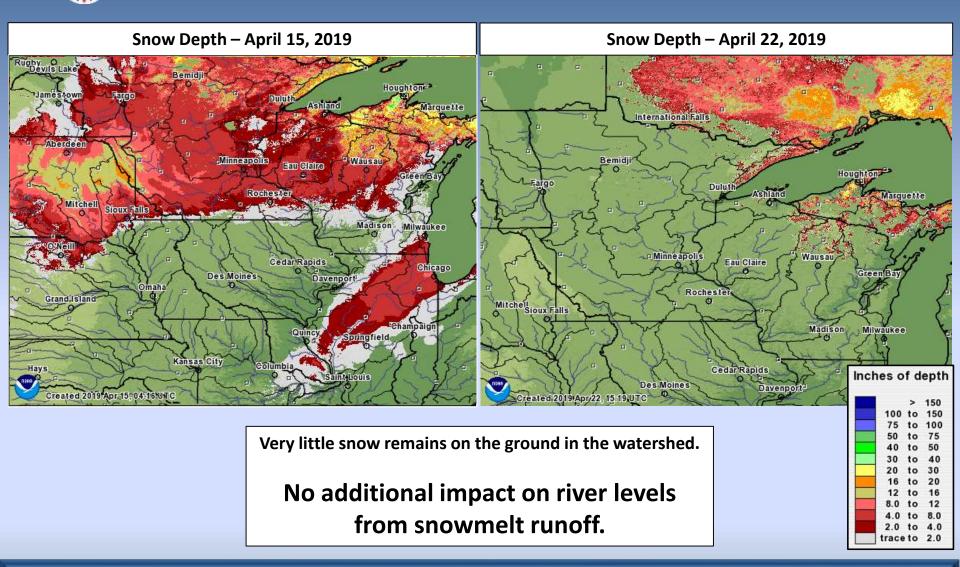
Northern reaches experiencing rises beginning. Downstream, levels are falling with renewed rises starting through the weekend.

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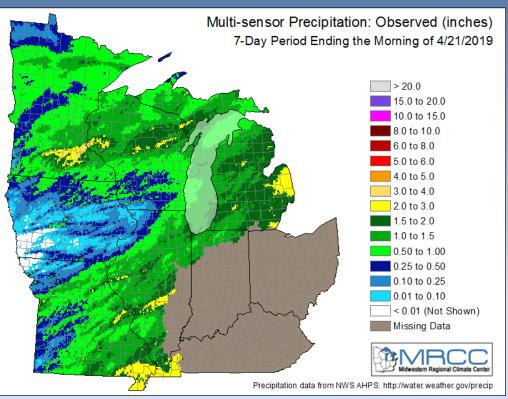
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Snowpack Change in the Past 7 Days

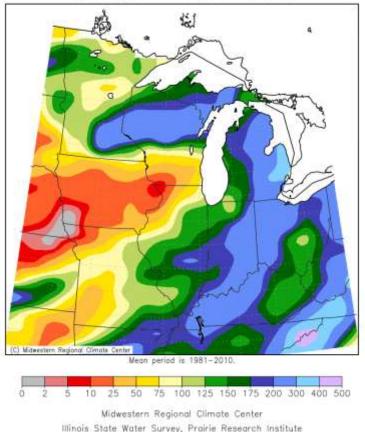


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Observed Precipitation: 4/15 – 4/21



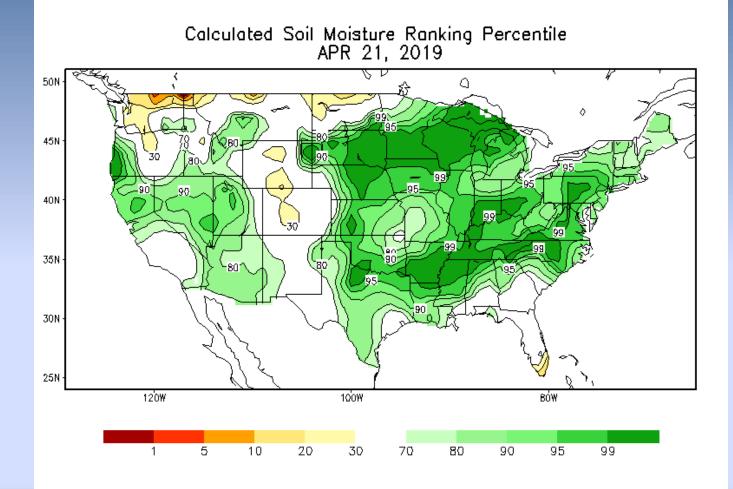
2 to 4 inches of rain fell in the northern parts of the Mississippi River watershed last week. In general, impacted the same areas where the heavy snows fell the week prior. This is leading to the more significant upcoming. Accumulated Precipitation: Percent of Mean April 15, 2019 to April 21, 2019



University of Illinois at Urbano-Champaign

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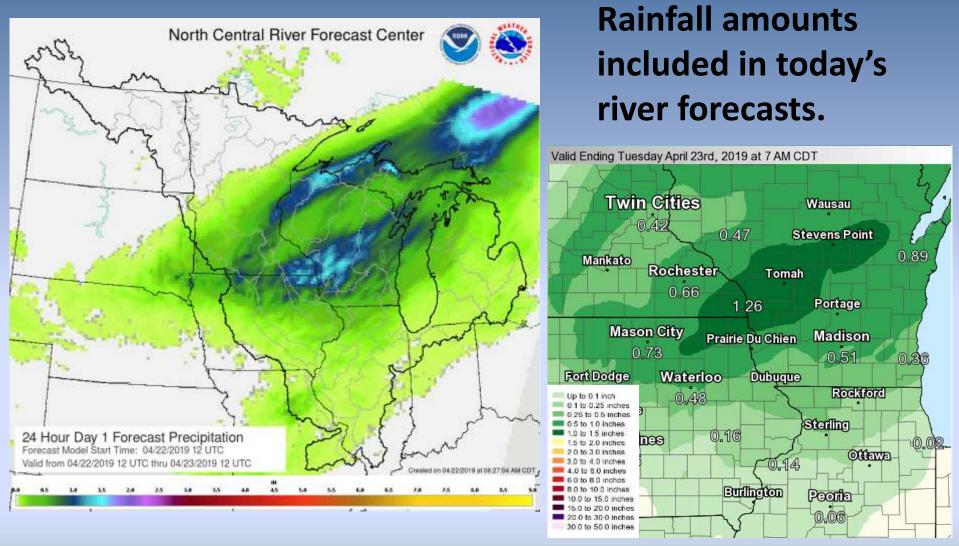




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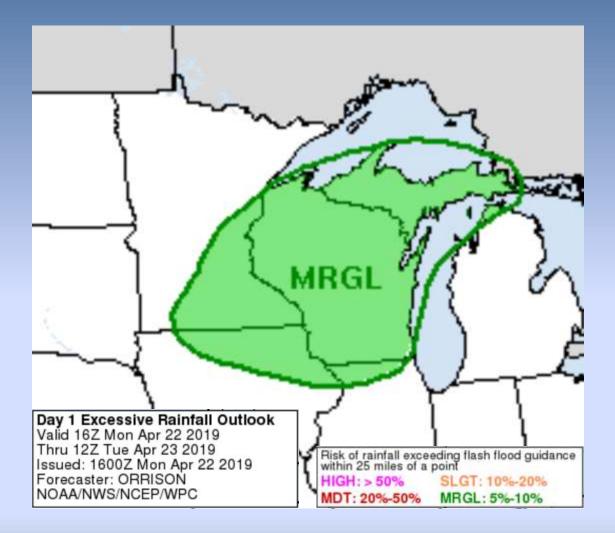
Day 1 Forecast Precipitation



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Day 1 Excessive Rainfall Outlook

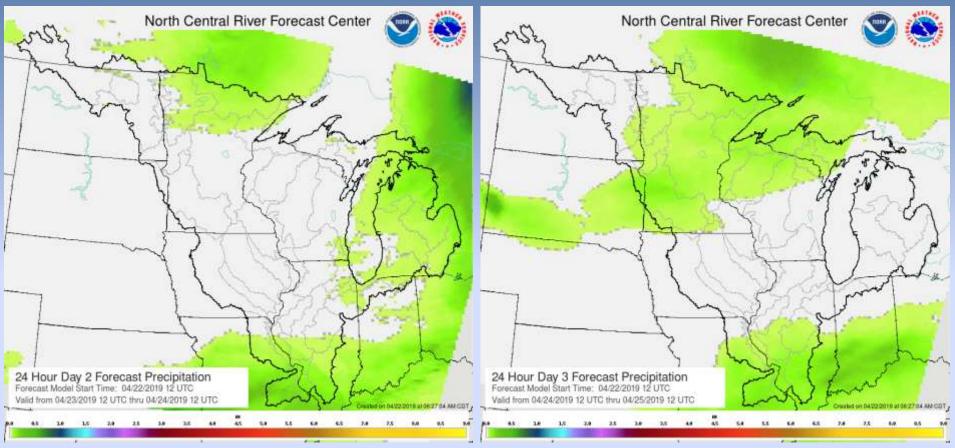


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Forecast Precipitation

(not included in today's river forecasts)



Tuesday and Tuesday Night

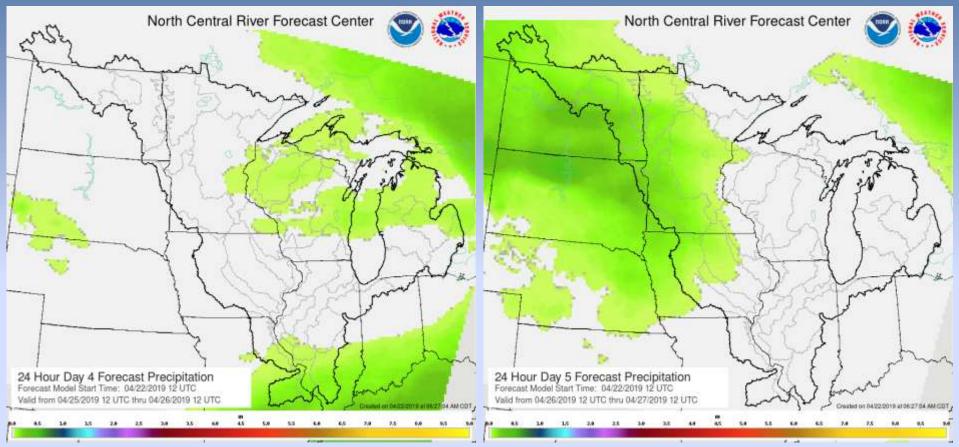
Wednesday and Wednesday Night

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Forecast Precipitation

(not included in today's river forecasts)



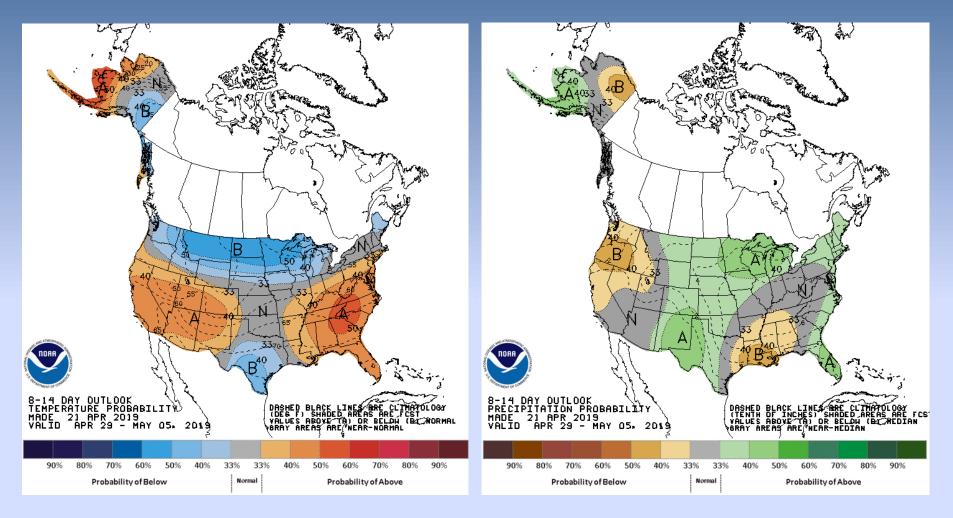
Thursday and Thursday Night

Friday and Friday Night (next system starts to move in for the weekend)

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Week 2 Outlook



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Week 2 Precipitation Risk



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Du

MISSISSIPPI RIVER CREST INFO 4/22/2019

NATIONAL WEATHER SERVICE QUAD CITIES

	Location	<u>Expected</u> Crest Level	Expected Crest Timing	<u>Today's</u> <u>Trend</u>
Dubuque LD 11		\bigcirc	4/26-4/29	/
ibuque Railroad Bridge		ightarrow	4/26-4/29	/
Bellevue		ightarrow	4/26-4/29	/
Fulton		ightarrow	4/27-4/30	
Major Flooding Moderate Flooding	Camanche	ightarrow	4/27-4/30	
	Le Claire	ightarrow	4/28-5/1	
	Rock Island	ightarrow	4/28-5/1	
	Illinois City	ightarrow	4/29-5/2	
	Muscatine	ightarrow	4/29-5/2	
New Boston Keithsburg Gladstone Burlington		ightarrow	4/29-5/2	
		ightarrow	4/29-5/2	$\overline{}$
		ightarrow	4/30-5/3	
		ightarrow	4/30-5/3	
Keokuk) /	5/1-5/4	$\mathbf{\mathbf{x}}$
Gregory Landing		•	5/1-5/4	



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Bottom Line for This Week

- Nearing crest values in the 7 day forecast from Dubuque through Bellevue. Beyond 7 day forecast downstream.
- Levels will continue to fall downstream of Bellevue before beginning to rise again.
- Crests are likely to reach values near prior high levels.
- High river levels will continue at least into mid May. Additional rains will prolong the high levels possibly into late May.

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Information Sources

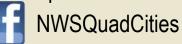
- Advanced Hydrologic Prediction Service (AHPS) (observations and forecasts, etc) <u>water.weather.gov</u>
- Local Quad Cities WFO AHPS <u>water.weather.gov/ahps2/index.php?wfo=DVN</u>
- North Central River Forecast Center <u>weather.gov/ncrfc</u>
- National Operational Hydrologic Remote Sensing Center (snow information) <u>nohrsc.noaa.gov</u>
- NWS Weather Prediction Center <u>wpc.ncep.noaa.gov</u>
- NWS Climate Prediction Center <u>cpc.ncep.noaa.gov</u>

Quad Cities WFO Forecast Discussions (technical weather and hydrology discussion) <u>forecast.weather.gov/product.php?site=DVN&issuedby=DVN&product=AFD</u>

Find out more information at: <u>www.weather.gov/dvn/River_Levels</u>

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