



Severe Storms and Heavy Rain Today

April 17, 2026
4:12 AM

A Few Significant Tornadoes and Winds Greater Than 75 mph Possible!

Key Messages

- **Enhanced Risk (level 3 of 5)** for severe storms this afternoon and evening. The primary threats will be damaging winds (possibly significant) and tornadoes.
- Initial afternoon storms to bring highest risk for tornadoes; coverage of storms to increase through the evening with damaging winds becoming primary risk.
- **Slight Risk (level 2 of 4)** for flash flooding this evening. Areas north of Hwy 30 most susceptible to flooding due to recent rainfall.



What Has Changed

- Increase in damaging wind risk from northeast Missouri into northwest Illinois. Decrease in severe hail probabilities, including potential of very large hail.

Next Scheduled Update

- None





Numerous Severe Storms Today

April 17, 2026
4:12 AM

Enhanced Risk (level 3 of 5) Area-Wide

Key Messages

Two rounds of strong to severe thunderstorms expected, with all severe hazards possible.

Estimated Timing of Storms:

1 to 5 PM – Scattered severe storms ahead of cold front. (initial storms favored to develop north of I-80, highest tornado risk)

5 to 10 PM – Higher coverage of storms expected with the potential for a squall line to move through the area (highest wind risk)

Primary Threats

 **Damaging Winds**
70+ MPH Possible

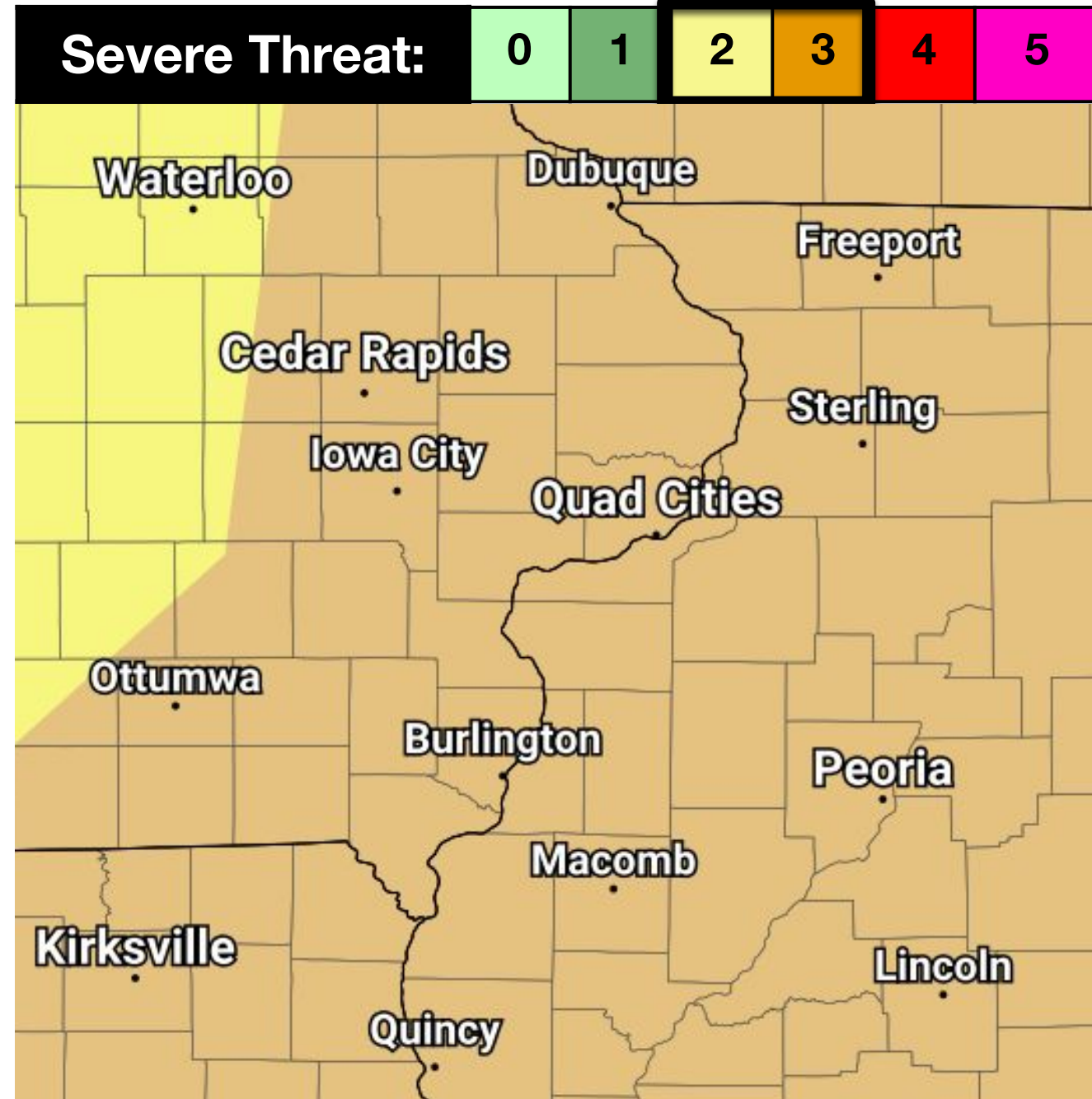
 **Tornadoes**

 **Frequent Lightning**

 **Localized Flash Flooding**

ACTIONS

- **Have multiple ways to receive warnings today, and know where you would take shelter!**





Severe Weather Threats Today

April 17, 2026

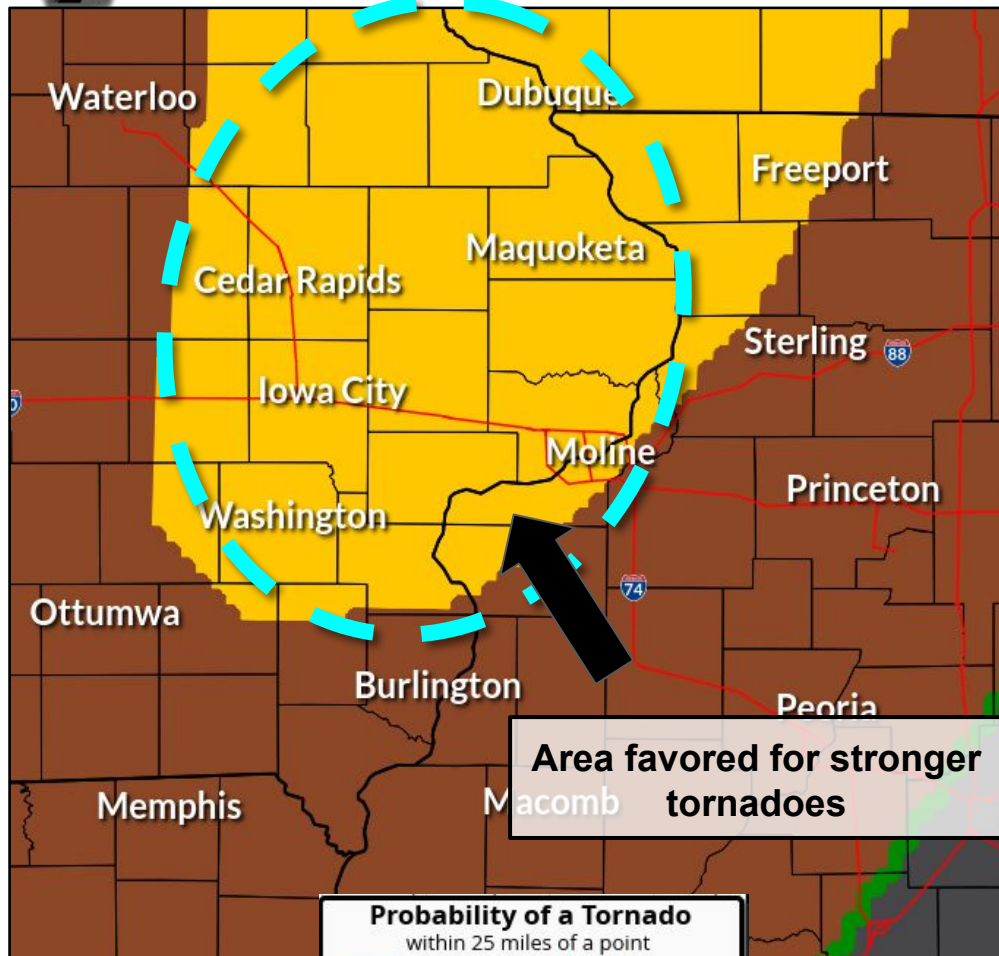
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Highest Probabilities for Wind (>45%)



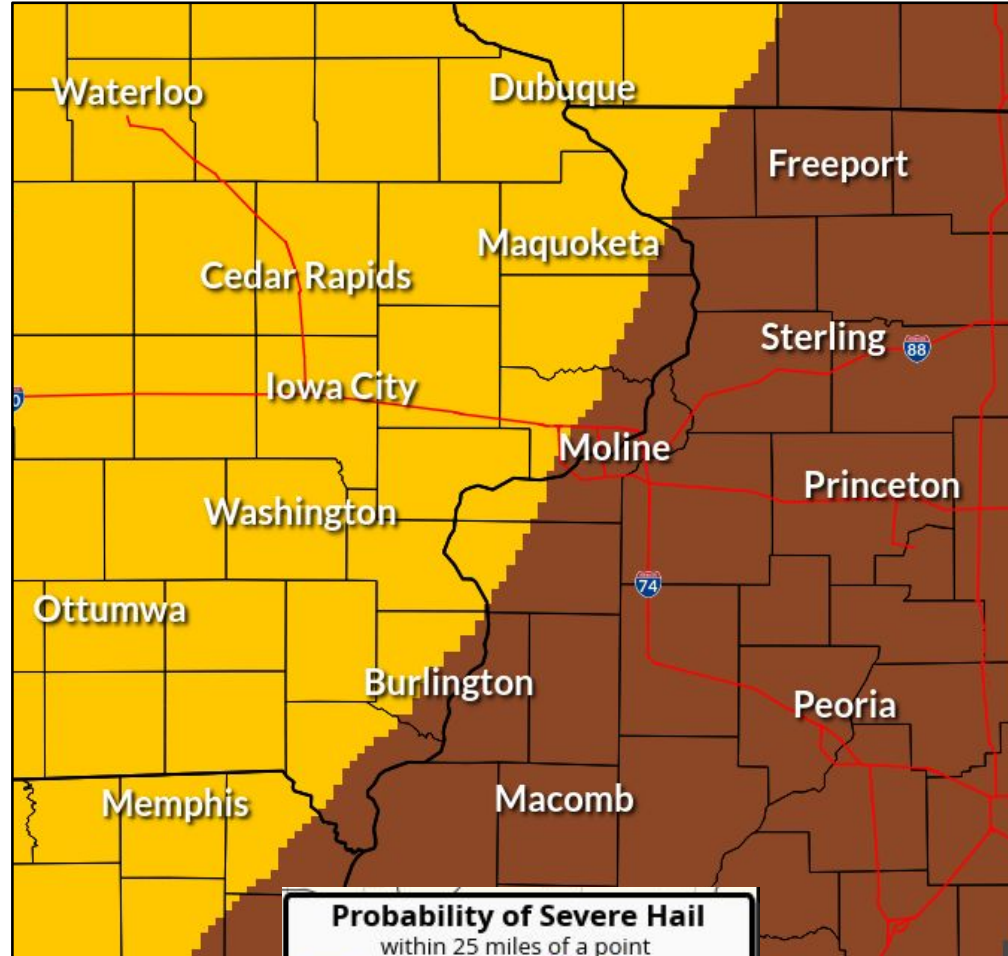
Several Tornadoes

Some may cause extensive damage!



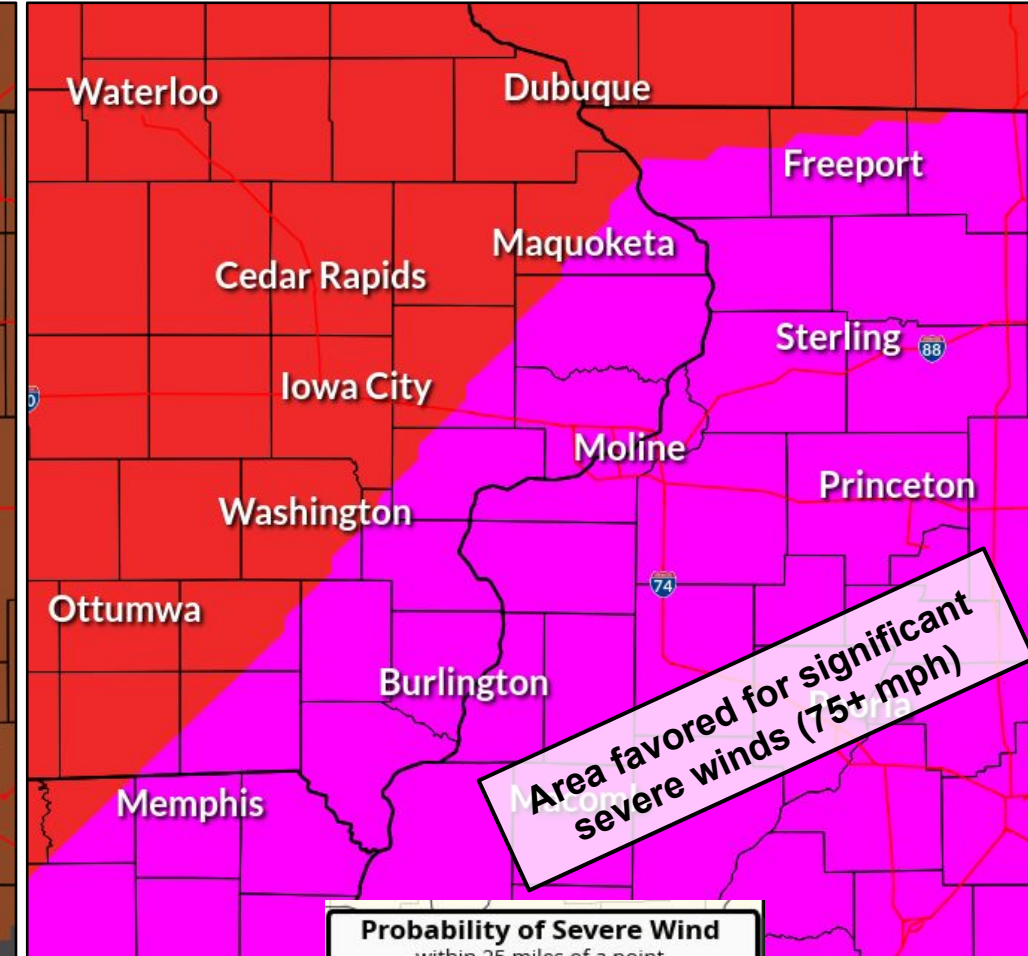
Damaging Hail

Capable of denting cars and siding



Destructive Winds (≥75 mph)

Capable of structural damage & downing trees

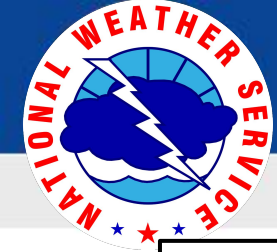


National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service

Quad Cities, IA/IL



Forecast Timing Today

April 17, 2026

4:12 AM

Storms to Quickly Develop This Afternoon/Evening

Probability of Precipitation (%) Forecast

4/17

Fri

4/18

Sat

	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am	5am	6am
Memphis	5	5	10	15	40	60	75	90	85	75	70	65	40	35	35	40	25	10	5	5
Fairfield	5	10	15	15	50	55	80	90	80	65	60	40	35	20	20	30	15	5	5	0
Independence	15	20	35	40	65	90	90	90	60	40	50	30	20	5	15	15	15	15	0	0
Cedar Rapids	10	10	35	45	60	75	90	90	75	55	55	35	20	15	20	10	10	10	0	0
Iowa City	5	10	25	40	55	65	80	85	80	70	60	35	35	20	25	20	15	5	5	0
Burlington	0	5	15	15	40	50	55	80	90	90	90	80	70	45	35	35	40	15	5	5
Macomb	0	5	10	15	45	65	60	80	80	90	95	90	85	65	60	55	45	30	20	20
Dubuque	0	10	25	50	70	65	80	85	85	80	60	55	50	30	20	15	5	5	5	0
Maquoketa	0	10	20	40	65	65	65	85	90	70	70	55	40	30	25	20	15	5	5	0
Davenport	0	5	15	25	50	60	65	80	95	80	80	65	60	45	35	30	30	25	5	5
Moline	0	0	10	25	45	65	65	75	95	85	80	65	65	50	40	30	30	30	5	5
Clinton	0	0	10	20	50	60	70	75	90	75	75	60	60	45	35	35	20	15	5	5
Sterling	0	0	5	10	35	55	65	65	75	90	90	70	65	70	50	40	35	25	20	5
Freeport	0	0	5	10	35	45	60	70	90	95	80	80	60	55	45	35	20	10	5	5
Princeton	0	0	0	5	20	30	45	60	65	85	95	85	90	85	65	50	55	40	35	15





Flash Flooding Possible Today

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Slight Risk (level 2 of 4) for much of the area

Details

- Two rounds of thunderstorms are likely this afternoon and evening, bringing locally heavy rain.
- Rainfall rates over 1"/hr on top of saturated ground may lead to localized flash flooding, especially north of Hwy 30 and in urban areas.
- **Hardest hit areas could receive an additional 1 - 2"+ of rain** through Friday night.

Threats



Repeated Rounds of Heavy Rainfall

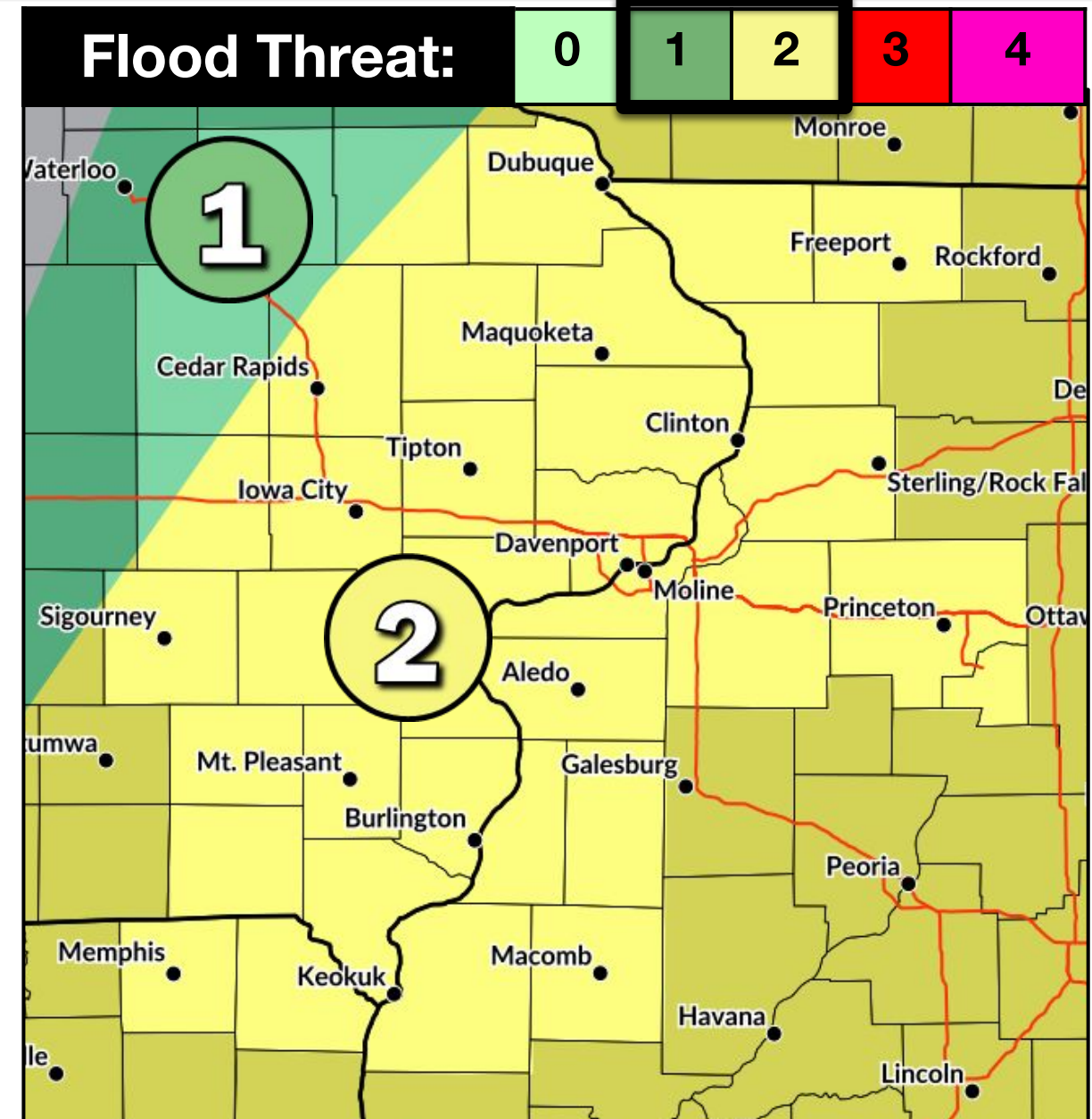
May flood roads, low-lying areas, fields, basements, and cause rapid stream/creek rises



Rising River Levels

Actions

- ✓ NEVER drive or walk across flooded roads.





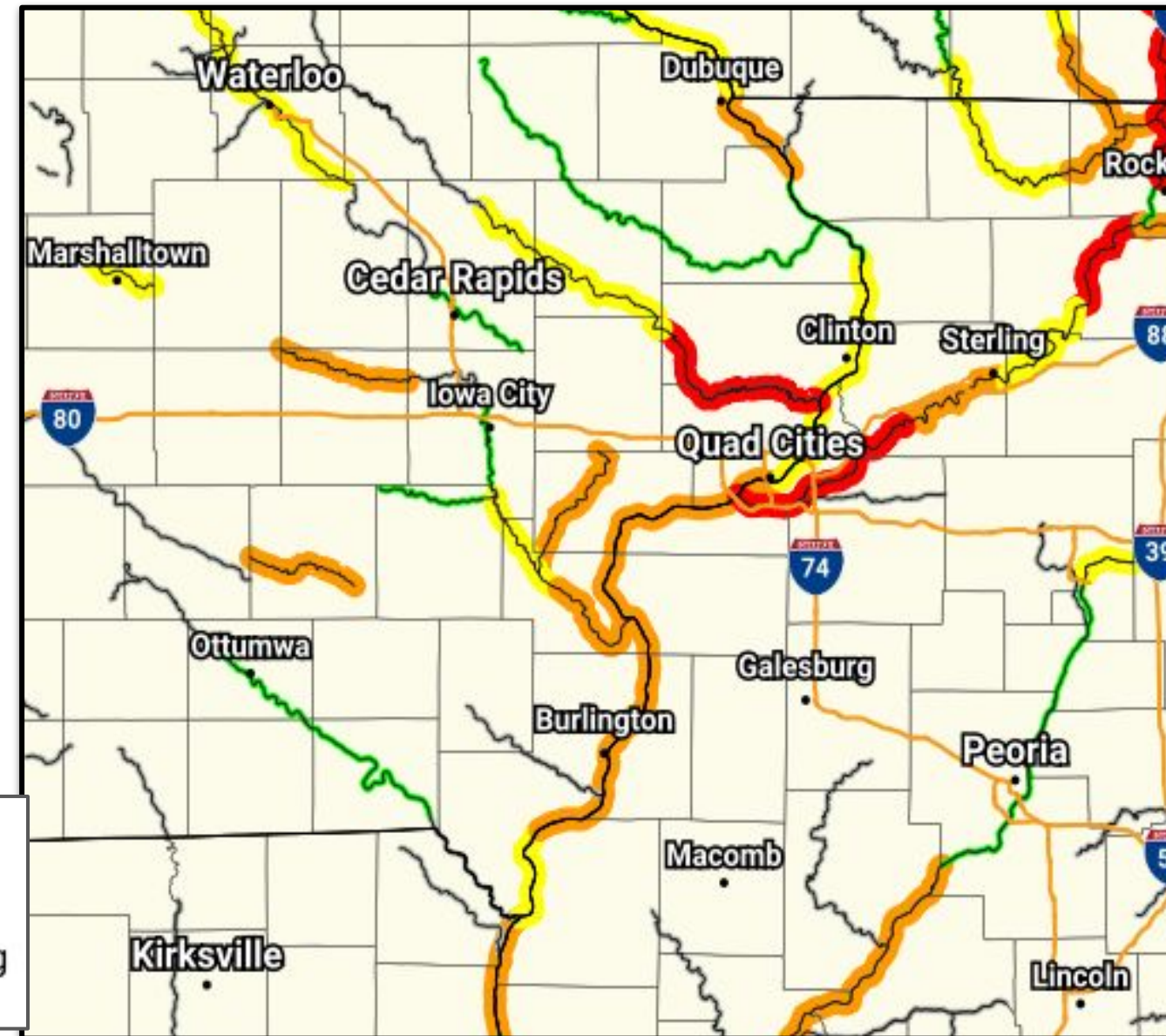
River Flooding Likely Through Next Week

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Renewed Rises on Area Rivers Possible With Additional Rain Today

Current Conditions

Forecast Conditions Through Next Week



STORM PLANNING TIMELINE

A few days out

If the forecast calls for severe weather in a few days, start preparing now.



Make sure that you have emergency supplies



Know your safe places



Have a family communication plan

The day before

The day before, forecast accuracy continues to improve.



Adjust plans



Make sure your phone can receive WEAs



Ensure your shelter is clean and accessible

The day of

Remain vigilant and aware of any active Watches. A Warning may be issued at a moment's notice!



Remind your family of the communication plan



Know how to evacuate and/or get to safety from wherever you are



When a Warning is issued, you may only have seconds to take action!

Severe Weather Reminders

Be Weather Aware!

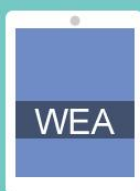
6 WAYS to receive a warning



NOAA Weather Radio



Local TV and Radio



Wireless Emergency Alerts & Weather Apps



Outdoor Sirens



Internet Sites

mobile.weather.gov



From Your Friends, Family and Coworkers



weather.gov

Severe Weather can escalate quickly.

While the possibility of tornadoes can be forecast ahead of time, they can form in minutes, day or night. Will you be prepared?



Set up a way to get weather warnings any time of day



When alerted to a tornado, quickly get to a storm shelter or basement



If underground shelter isn't available, get to an interior hall away from windows



weather.gov



[Lightning Safety](#) | [Flooding Safety](#)

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