



# Severe Weather and Significant Flooding Wednesday into the Weekend

March 31, 2025  
3:06 PM

## Several days of very heavy rainfall will likely cause widespread flooding and flash flooding

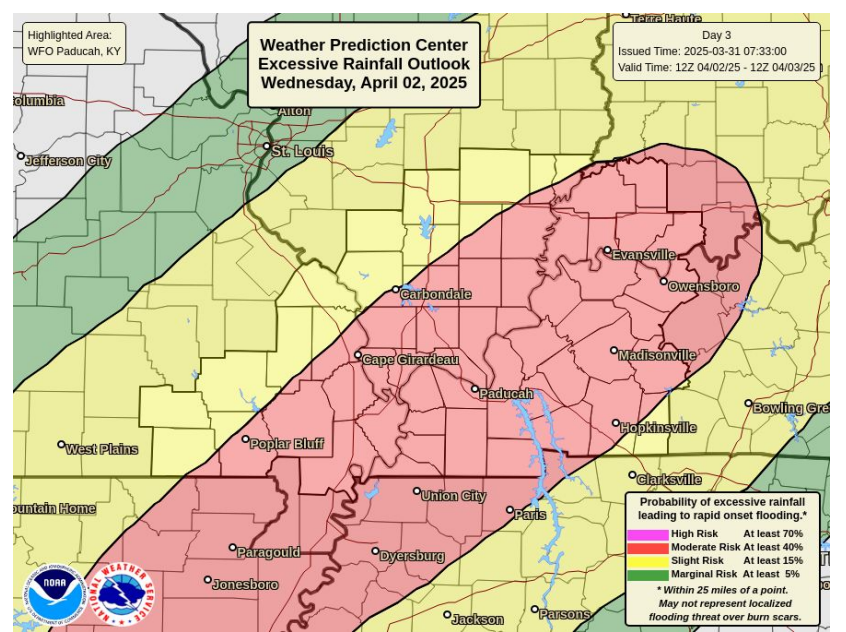
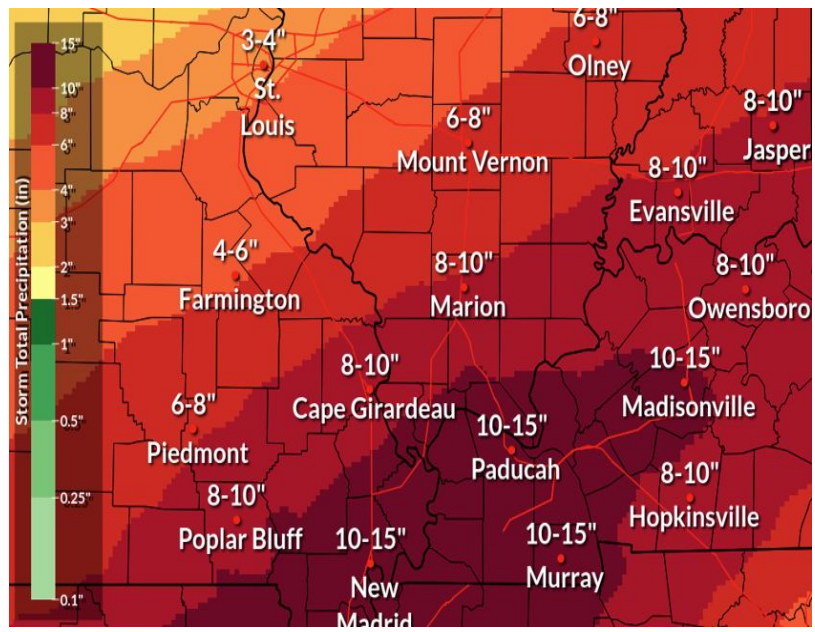
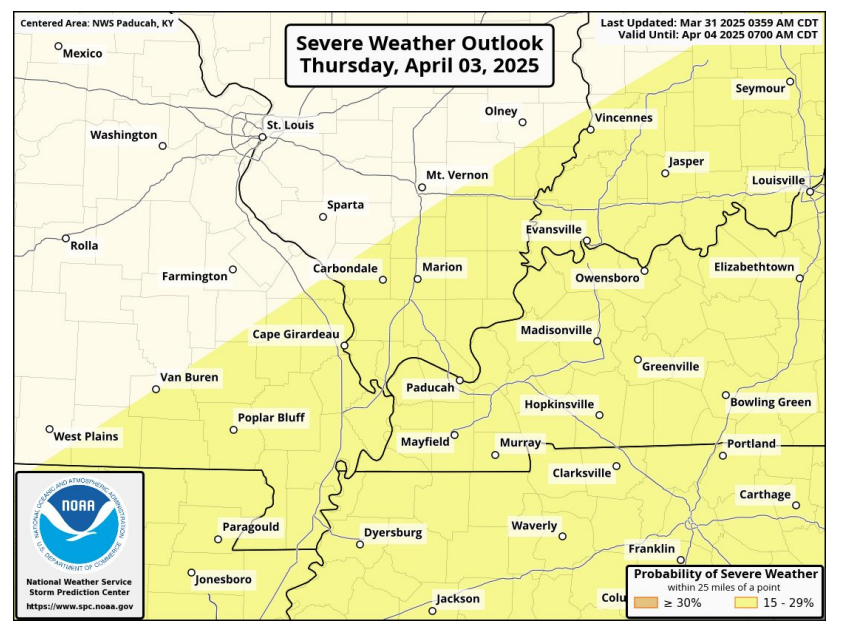
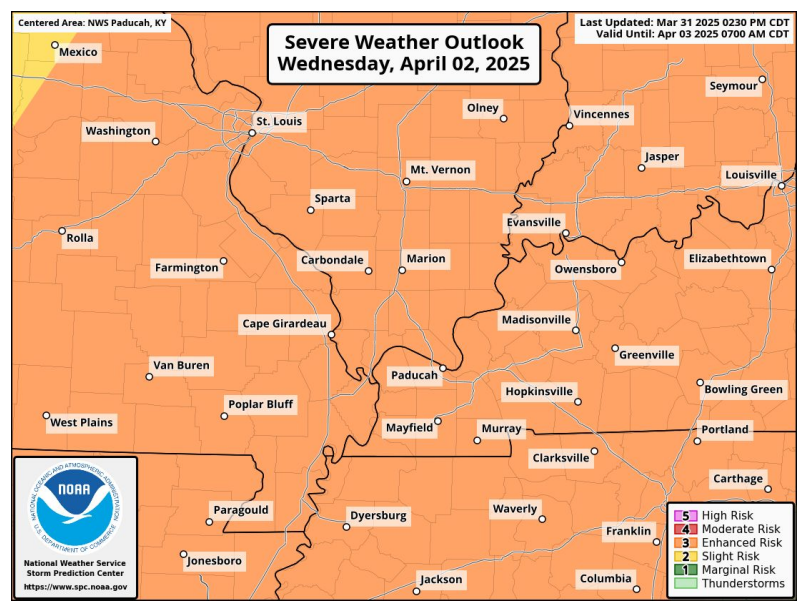
### Key Messages

- A very active, and potentially very dangerous weather pattern will set up by Wednesday and continue into the weekend.
- A significant severe weather event is expected Wednesday into Wednesday night with a risk lingering through Saturday.
- Significant and potentially historic rainfall will begin Wednesday afternoon, with numerous rounds of heavy rain continuing on into the first half of next weekend leading to major flash flooding

### What Can You Do?

- Prepare for heavy rain impacts by clearing drainages, and moving sensitive property
- Monitor for updates

**Next Update:** by 4am Tuesday



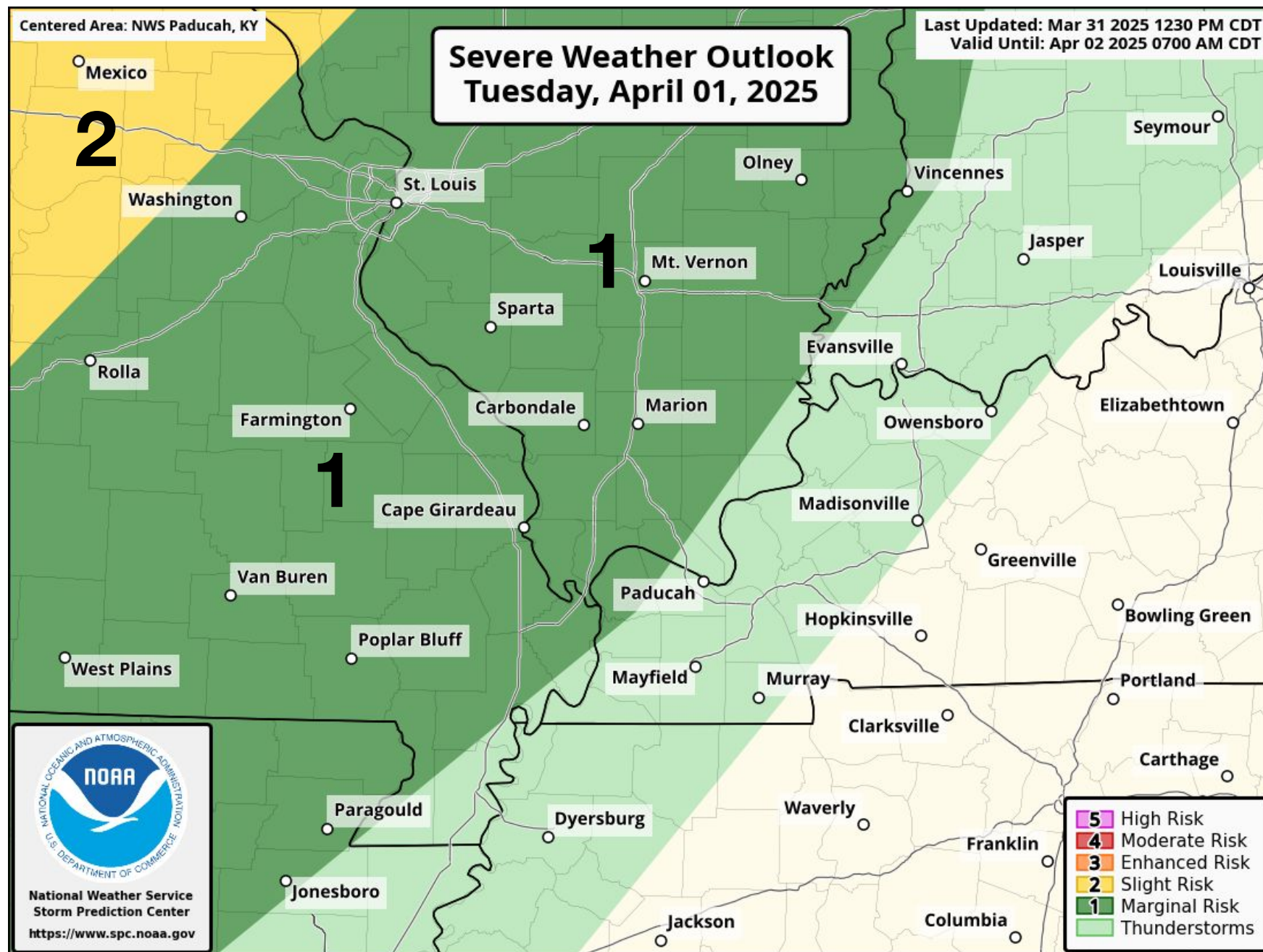




# Severe Thunderstorm Risk Tuesday Night

## Level 1 of 5 (Marginal Risk)

- An approaching cold front will bring the potential for isolated strong to severe thunderstorms as early as late Tuesday night across northern and western areas of our region.
- Portions of the region are included in a Marginal Risk late Tuesday night, mainly southeast Missouri and southern Illinois.
- All modes of severe weather are possible, along with brief heavy downpours.





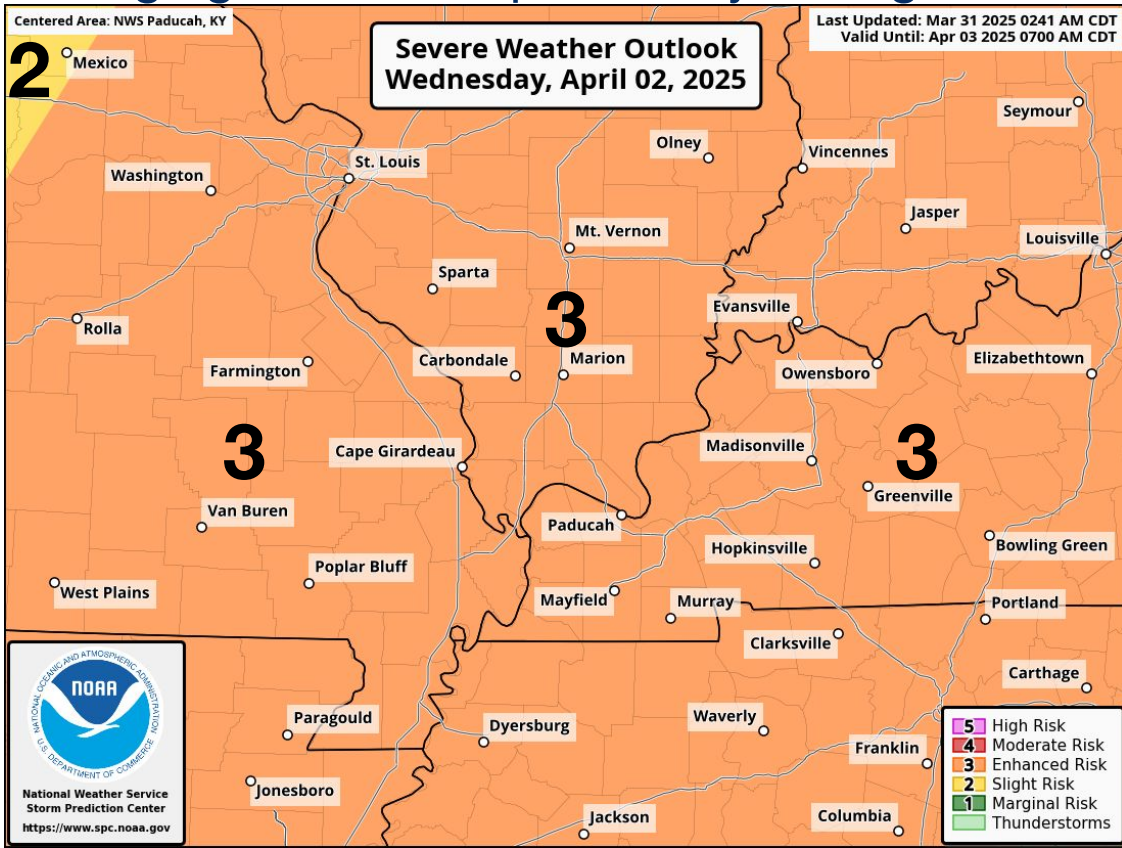
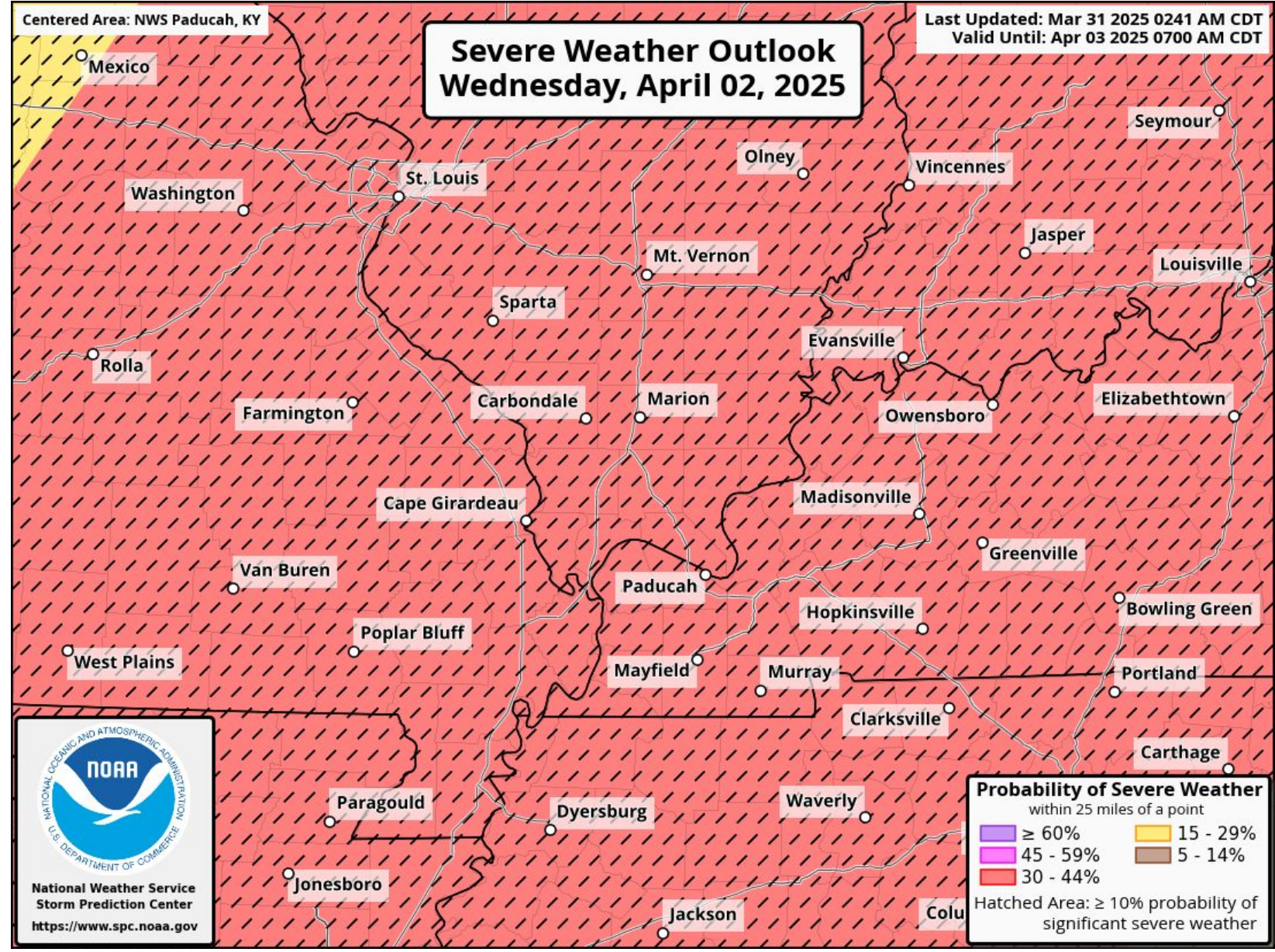


# Severe Thunderstorm Risk Wednesday/Wednesday Night

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## Level 3 of 5 (Enhanced Risk)

- A significant severe weather outbreak is expected Wednesday and Wednesday night.
- The entire region is included in an Enhanced Risk of severe thunderstorms.
- All severe weather threats will be possible, including large to very large hail, widespread damaging winds and potentially strong tornadoes.



**Black Hatching Indicates a 10% or Greater Risk of Significant Severe Weather**



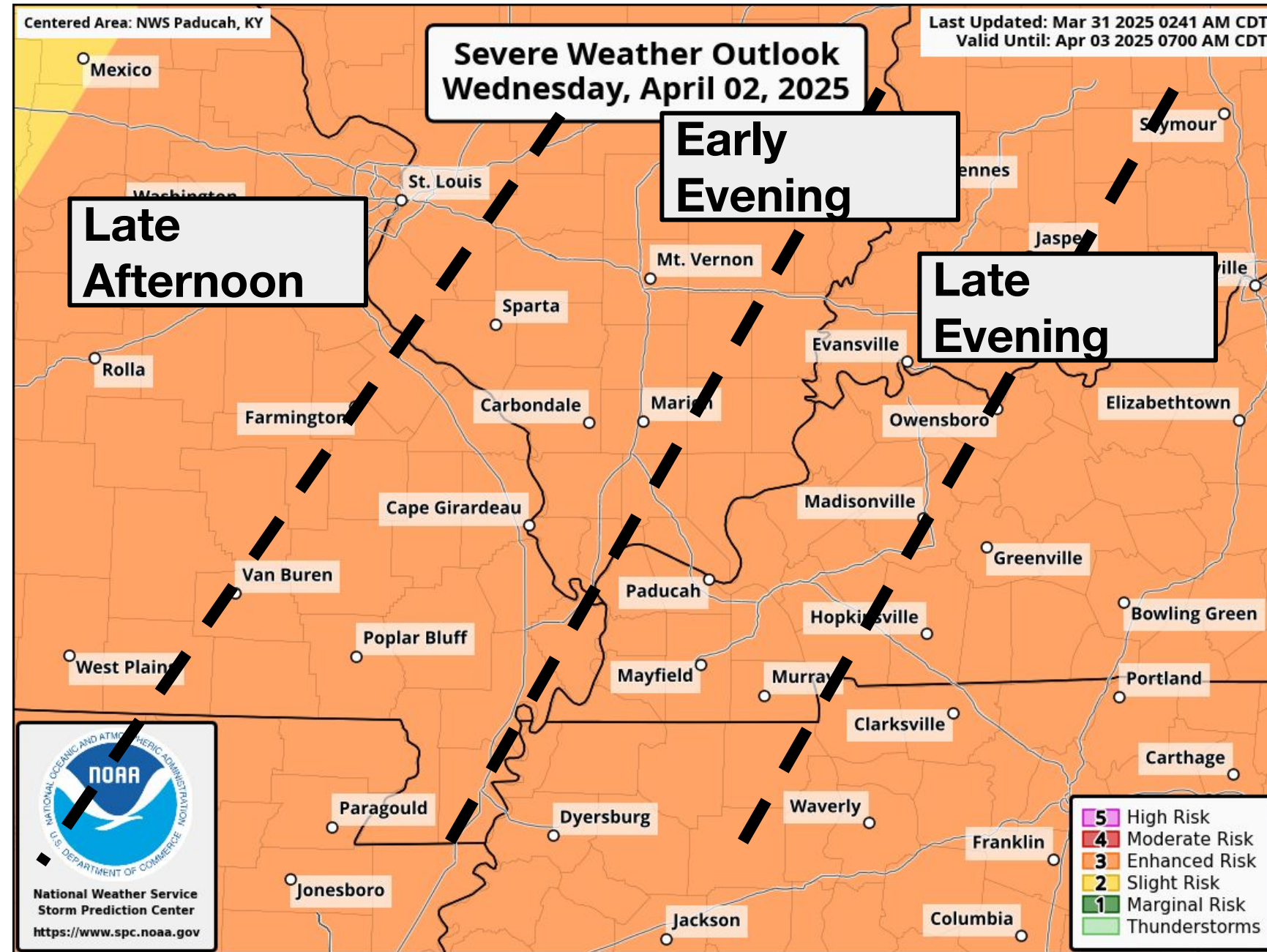




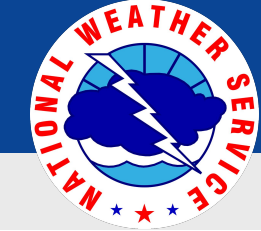
# Severe Thunderstorm Risk Wednesday

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- Preliminary Timing Information
- Be alert for this to change as the event approaches!



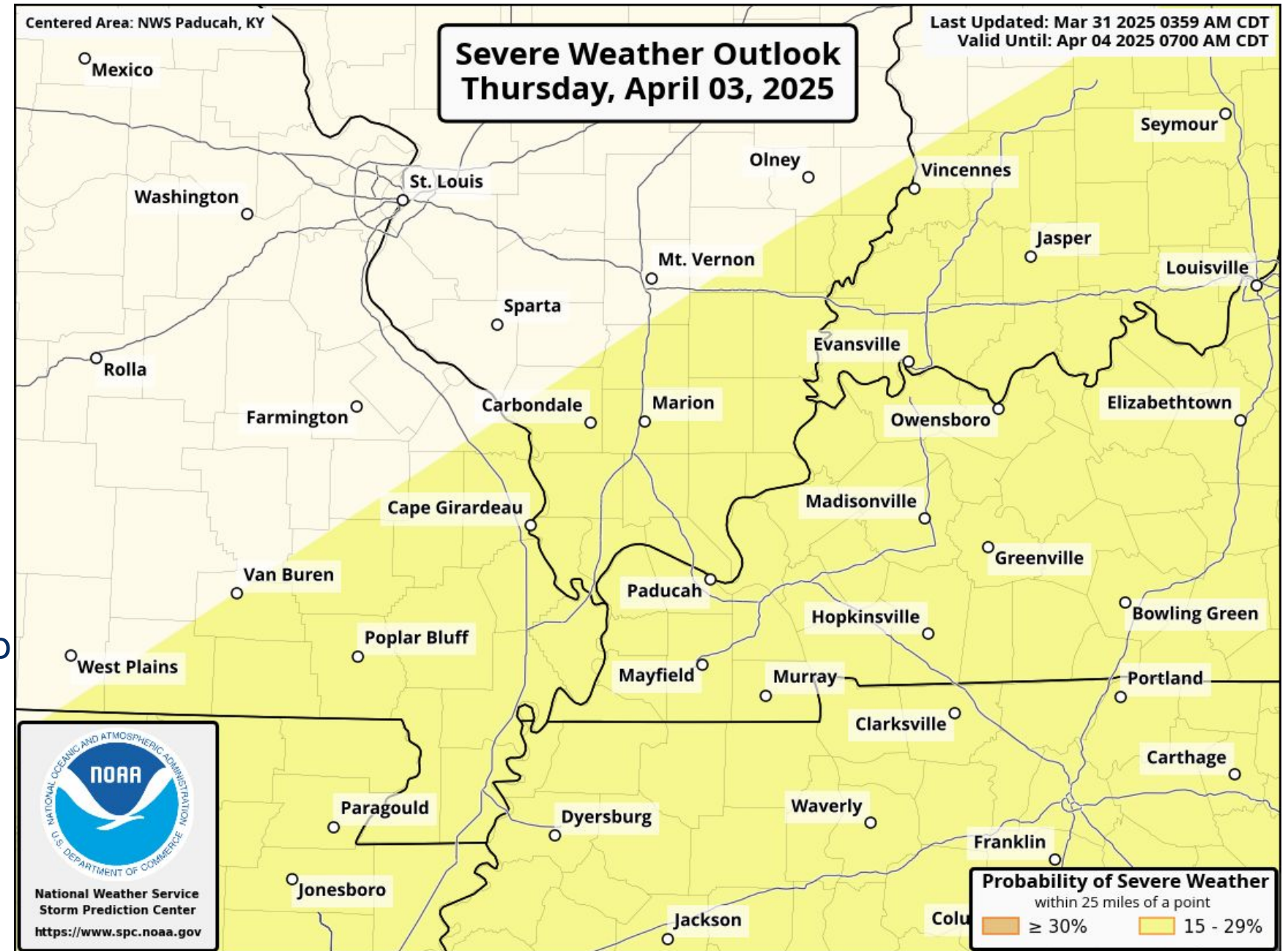




# Severe Thunderstorm Risk Thursday/Thursday Night

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- The potential for severe thunderstorms will linger into Thursday.
- All but the far northwest portion of our region is included in the Day 4 Severe Thunderstorm Outlook and Friday and Saturday may be added later
- All severe weather threats will continue to be possible.
- Heavy downpours will continue, and the potential for flash flooding will continue and increase.
- **Timing is highly uncertain** as it is dependent entirely on exactly how thunderstorms develop Wednesday
- This risk may persist with the stalled front in the area





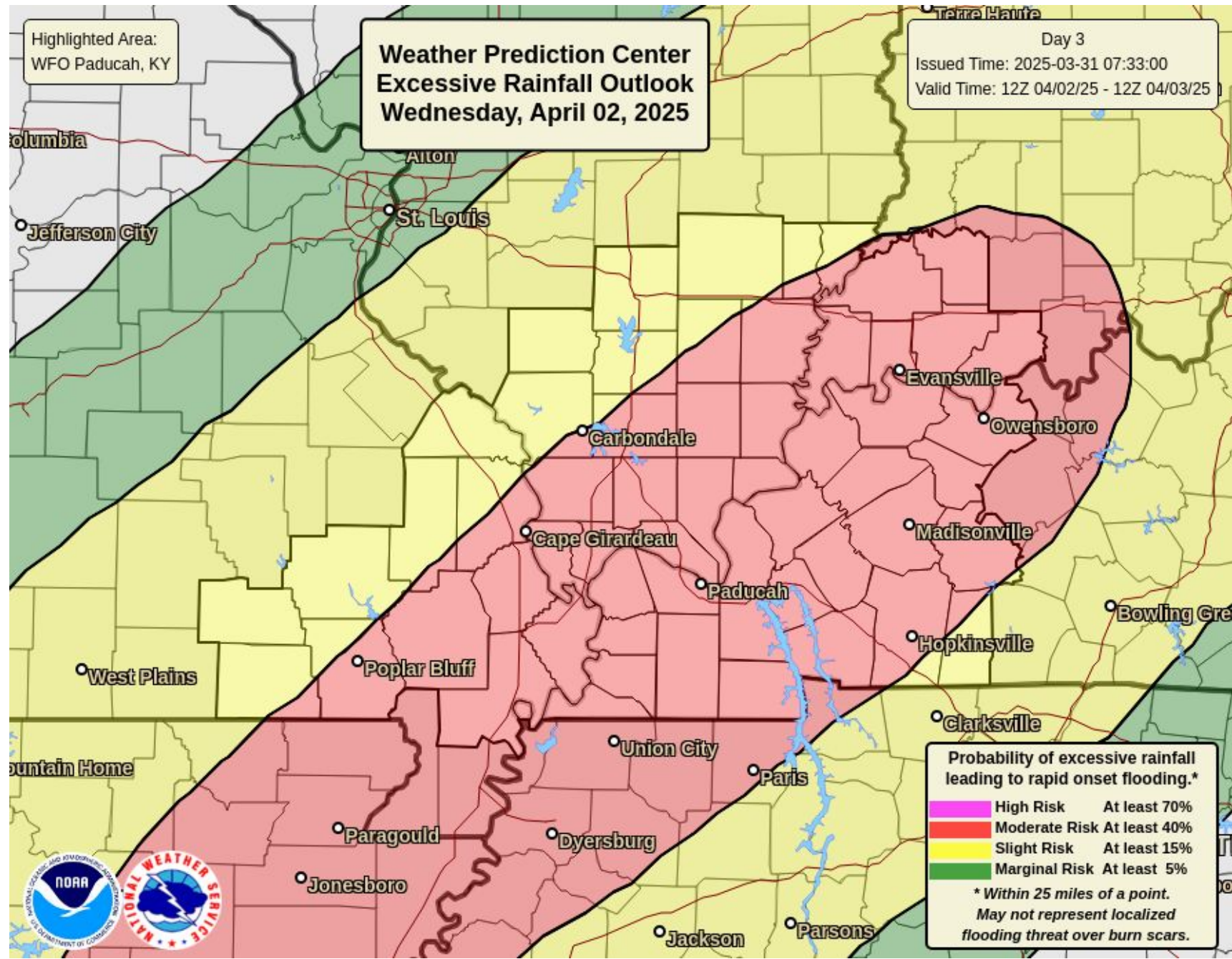


# Excessive Rainfall Outlook Wednesday into Wednesday night

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## Level 3 of 4 (Moderate Risk)

- A frontal boundary draped across our region will be the focus of rounds of heavy rainfall Wednesday afternoon and night.
- The region is included in the Day 3 Slight to Moderate Risk of Excessive Rainfall Outlook.
- Rainfall totals for the Wednesday afternoon to Wednesday night time frame are 2 to 3.5 inches.
- Significant impacts may begin by Wednesday evening





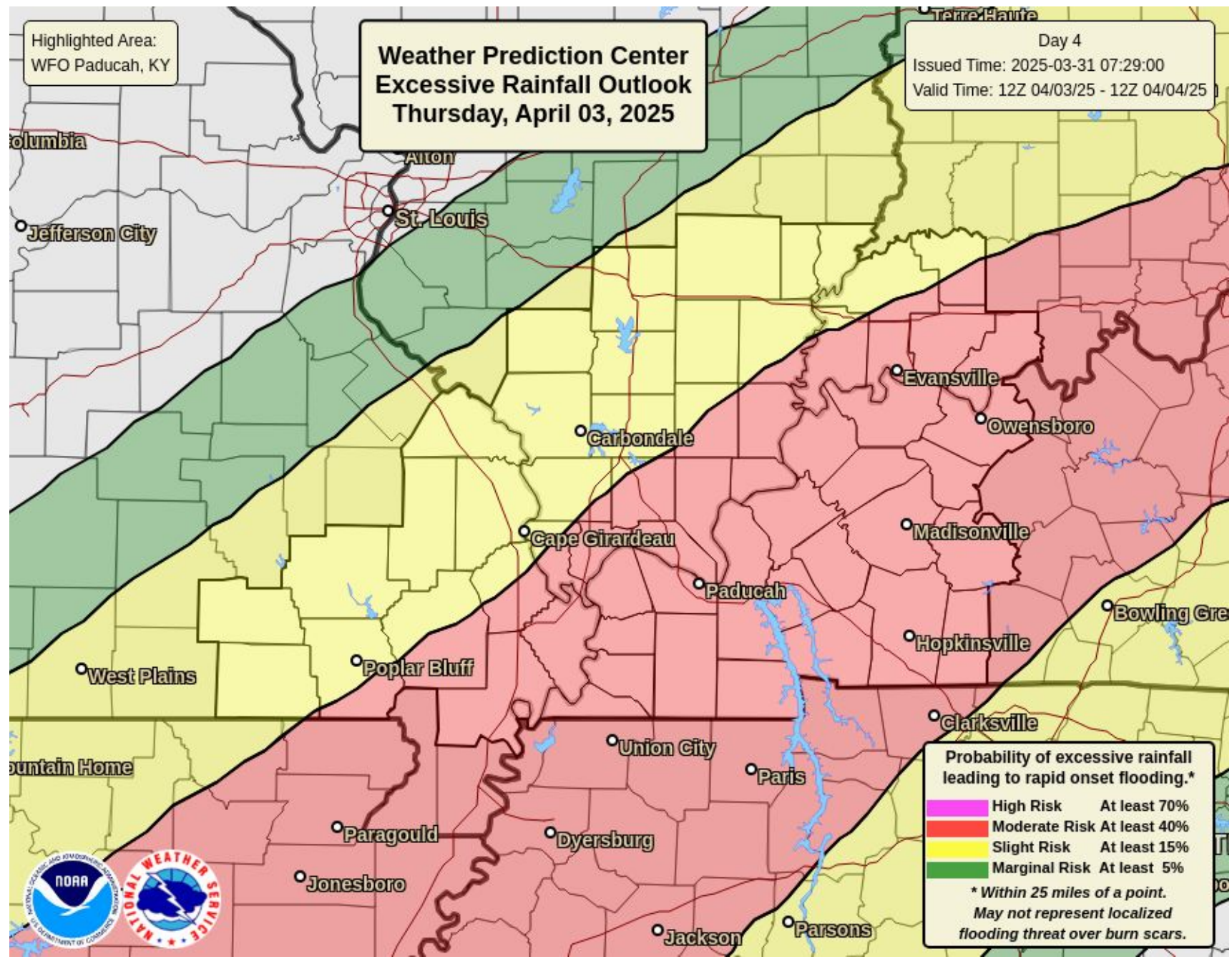


# Excessive Rainfall Outlook Thursday through Thursday night

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## Level 3 of 4 (Moderate Risk)

- Rounds of heavy rainfall will continue Thursday and Thursday night.
- The region is included in the Day 4 Slight to Moderate Risk of Excessive Rainfall Outlook.
- Rainfall totals for the Thursday to Thursday night time frame are 1.25 to 3.5 inches, with the highest amounts across west Kentucky.





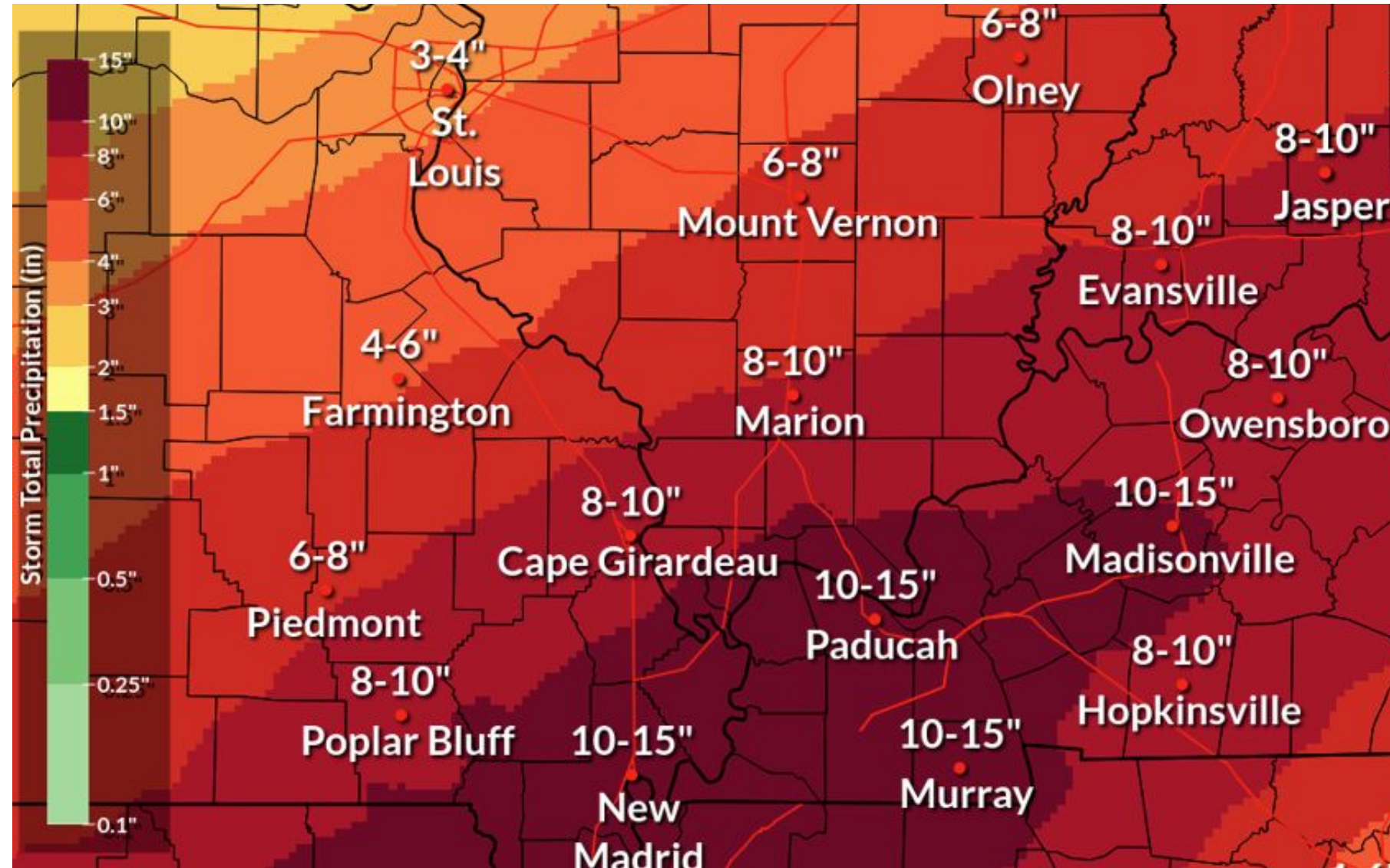


# Current Forecast Rainfall Totals Wednesday through Saturday Night

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## Widespread Significant Flooding and Flash Flooding is Expected!

- Confidence remains high in a prolonged period of heavy rainfall Wednesday afternoon through Saturday night.
- Numerous rounds of heavy showers and thunderstorms are expected to produce multiple inches of rainfall through the period. **The entire Quad State is expected to receive from Wednesday afternoon through Saturday night at least 6-9", with 9-12" likely over west Kentucky and adjacent portions of southeast Missouri, southern Illinois and southwest Indiana.** Isolated higher amounts are possible.
- **Significant and potentially life-threatening flash flooding is expected.** River flooding will also develop across many area rivers.
- Details of the timing and placement of the heaviest rainfall and flash flooding threat will fluctuate some as the event approaches.
- Continue to monitor the latest forecasts and briefings for updates.





# ENHANCED RISK

Numerous severe storms possible.

Some longer lived severe storms -- a few intense storms possible.

Have multiple ways to get NWS warnings and seek shelter immediately when warnings are issued for your location.

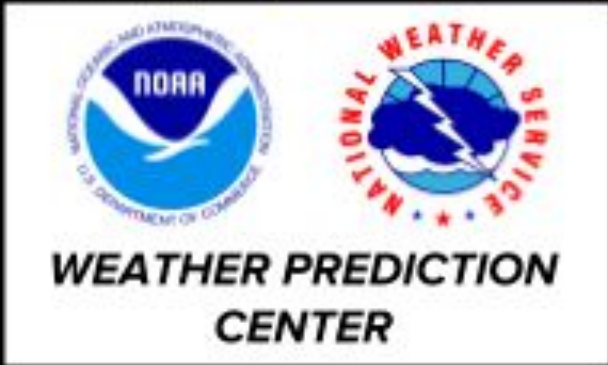
[weather.gov](https://www.weather.gov)





# Understanding WPC Excessive Rainfall Risk Categories

<p><b>No Area/Label</b></p> <p>Flash floods are generally not expected.</p> <p><a href="http://www.wpc.ncep.noaa.gov">www.wpc.ncep.noaa.gov</a> @NWSWPC</p>	<p><b>MARGINAL (MRGL)</b></p> <p><b>Isolated flash floods possible</b></p> <p>Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.</p>	<p><b>SLIGHT (SLGT)</b></p> <p><b>Scattered flash floods possible</b></p> <p>Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.</p>	<p><b>MODERATE (MDT)</b></p> <p><b>Numerous flash floods likely</b></p> <p>Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.</p>	<p><b>HIGH (HIGH)</b></p> <p><b>Widespread flash floods expected</b></p> <p>Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.</p>
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# 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!



# FLOOD WARNING

A Flood Warning is issued when flooding is **happening** or will happen soon. Some roads will be **flooded**.

**Move** to higher ground.

**Never drive** through flooded roads.

**take action.**

# FLOOD WATCH

A Flood Watch is issued when flooding is possible.

Stay tuned to radio/TV, follow **weather.gov** and be ready to seek higher ground.

Learn more at **weather.gov/flood**.

**be prepared.**

