



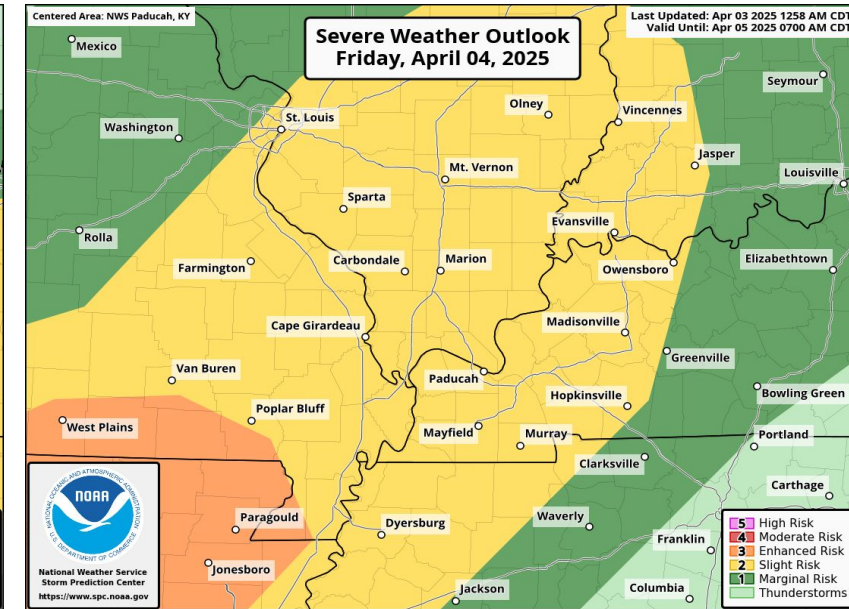
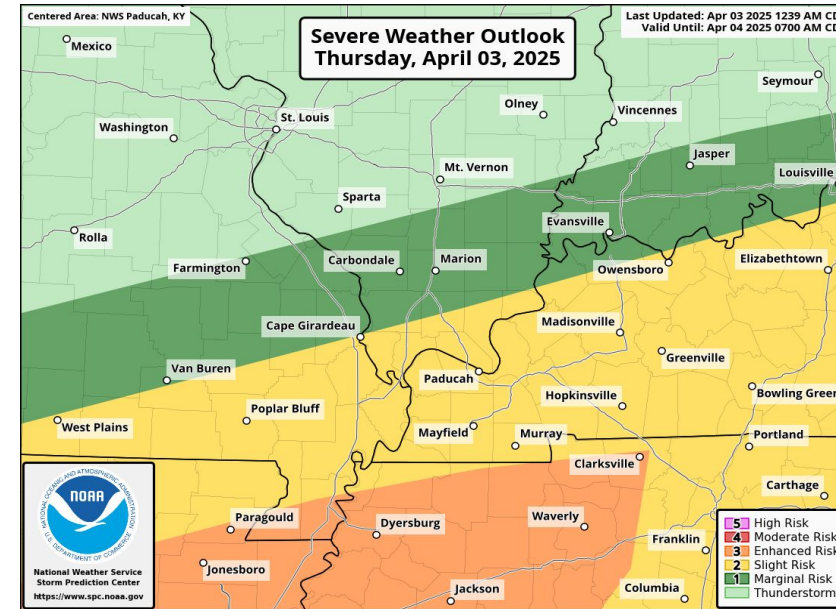
# Rare and Dangerous Weather Pattern

## Dangerous Severe Weather and Potentially Catastrophic Flooding

April 3, 2025  
4:15 AM

### Key Messages:

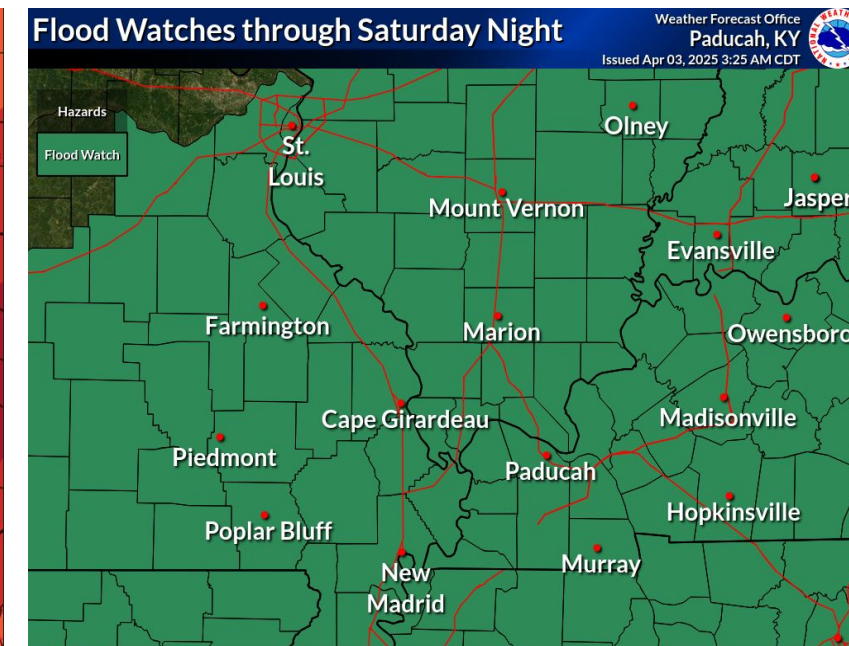
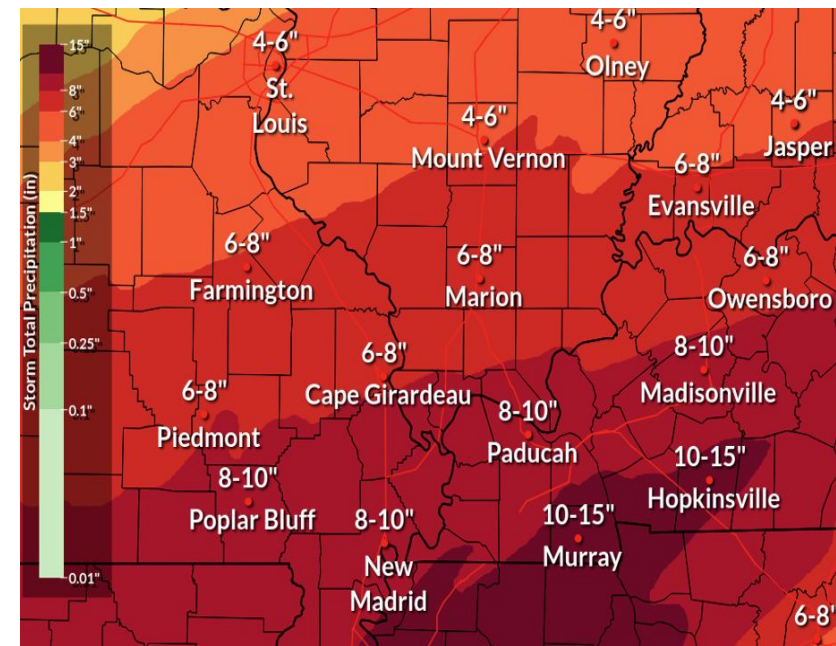
- A **very active and dangerous weather pattern** will continue into the weekend.
- A portion of the region is in a **Enhance Risk** (Level 3 of 5) of Severe Thunderstorms Friday night.
- A severe risk will linger through Saturday.
- A dangerous and potentially historic rainfall event will continue into Saturday night, leading to potentially catastrophic flash flooding.



### What Can You Do?

- Go over your severe weather plans and where to take shelter
- Prepare for heavy rain impacts by clearing drainages, and moving sensitive property
- Have a plan to move to higher ground if needed

**Next Update:** by 5pm Today



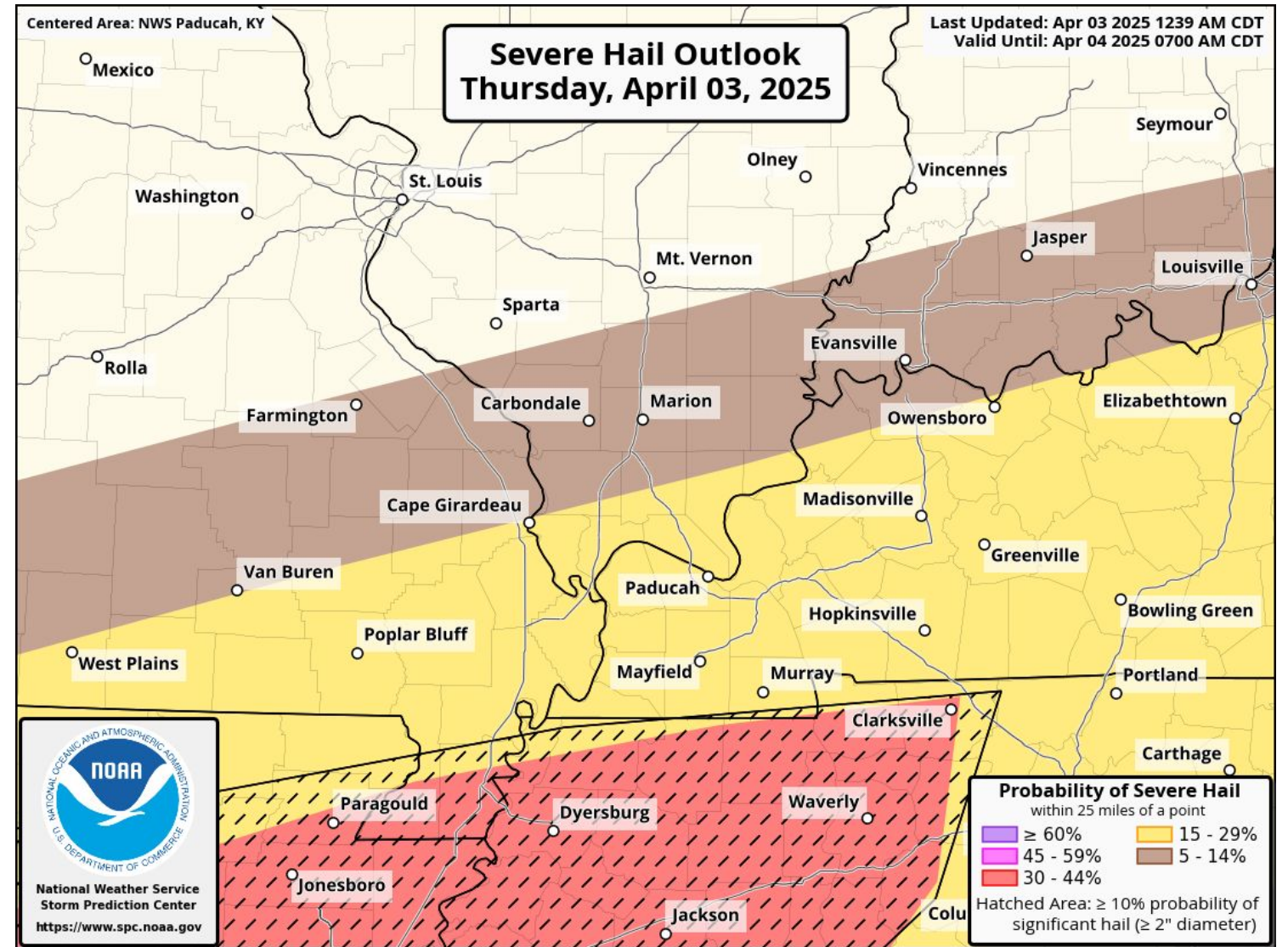
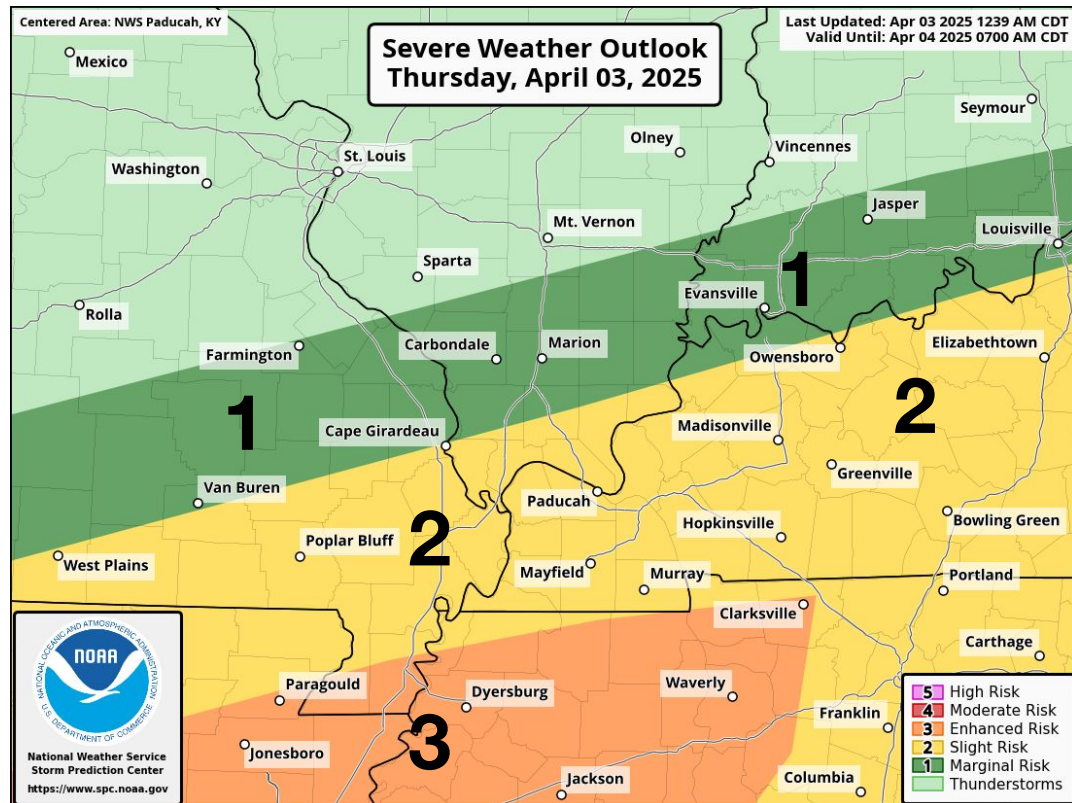




# Low Severe Thunderstorm Risk Later Today

## Level 2 of 5 (Slight Risk)

- A few severe thunderstorms are possible this afternoon into tonight.
- Portions of the region are under a **Marginal Risk** or **Slight Risk** for severe weather.
- Large hail, localized damaging winds, and an isolated tornado are the main hazards of concern, especially along and near the Tennessee border.



**Black Hatching Indicates a 15% or Greater Risk of Significant Hail**



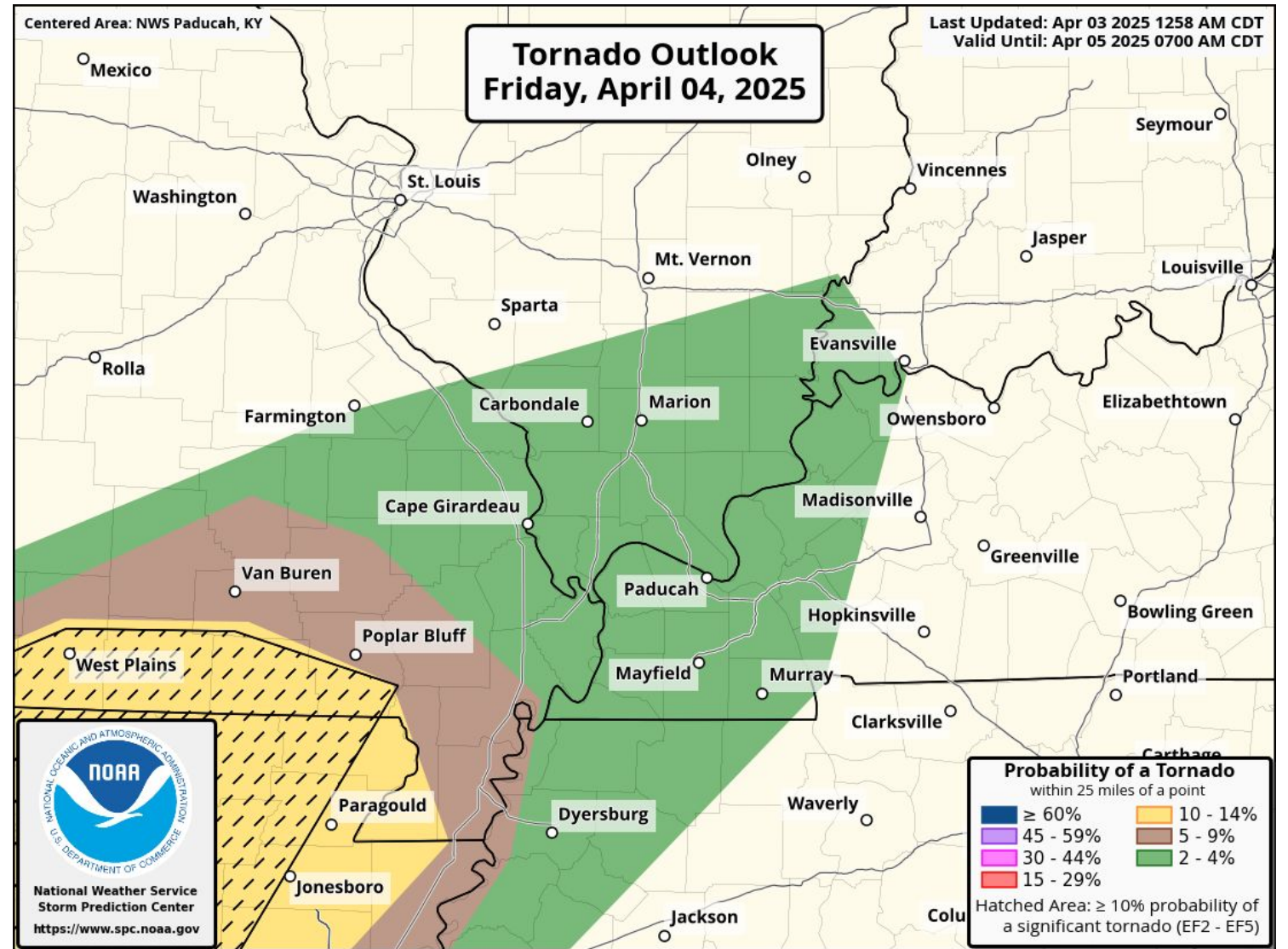
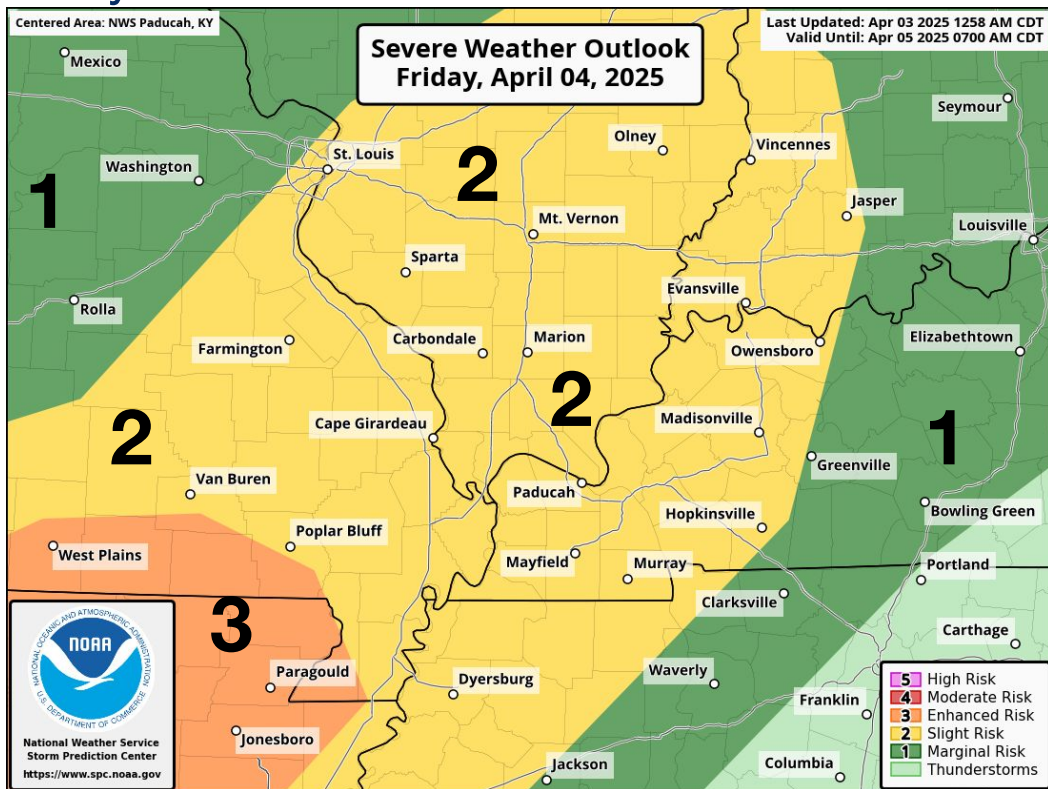




# Severe Thunderstorm Risk Friday night

## Level 3 of 5 (Enhance Risk)

- **Another round of scattered severe thunderstorms is expected Friday night.**
- Much of the region is now in a **Slight Risk** for severe weather, with portions of southeast Missouri under an **Enhance Risk**.
- All severe weather threats will be possible, including large hail, damaging winds and a few tornadoes, especially in southeast Missouri.



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



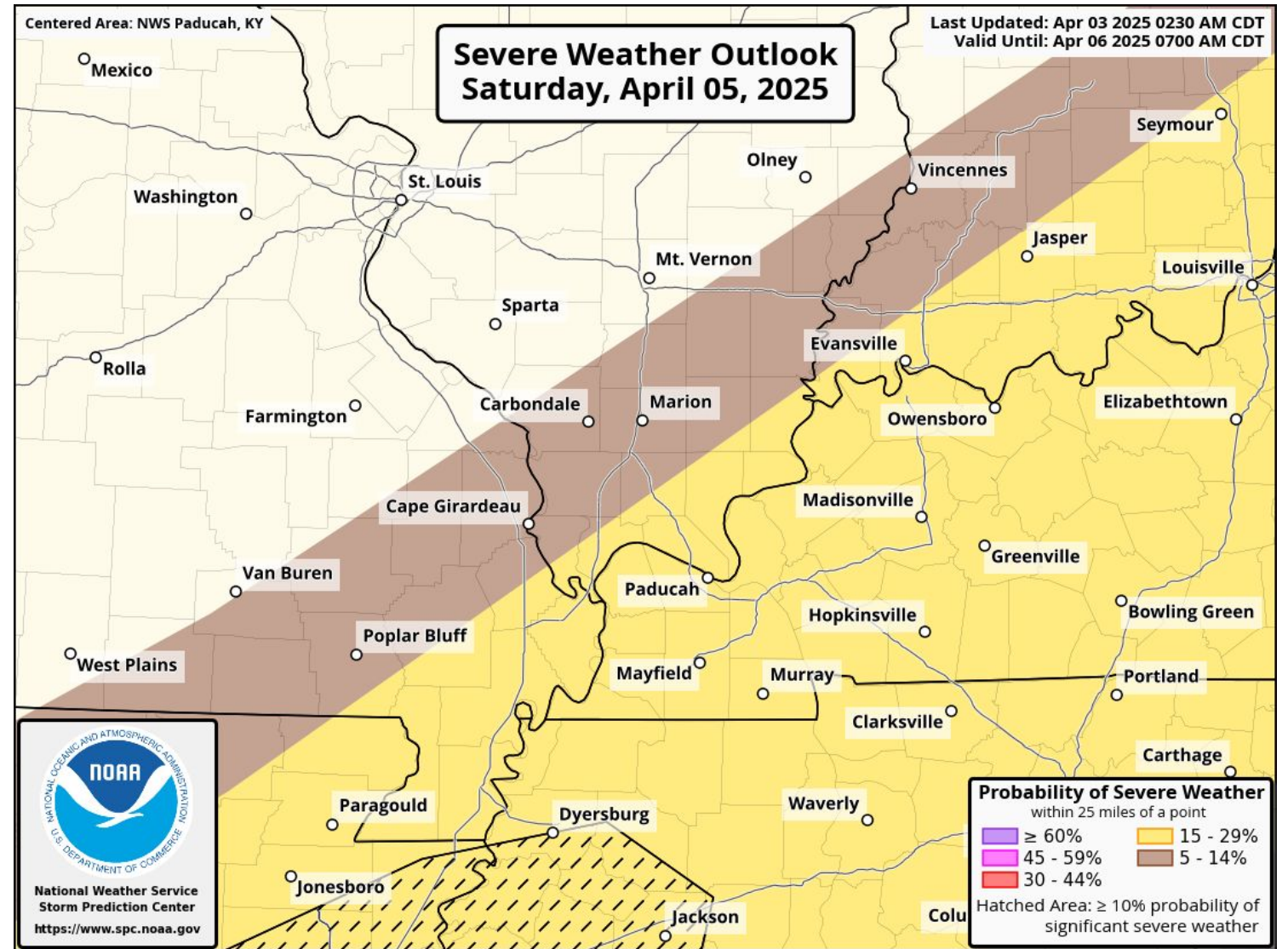
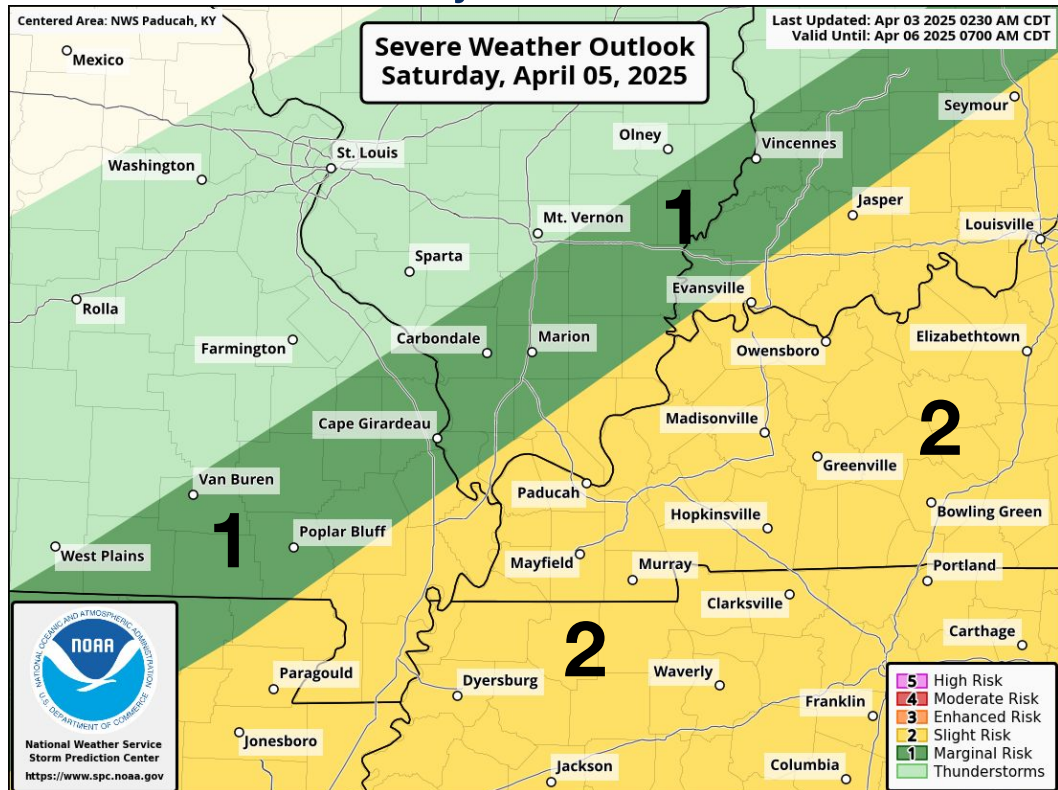




# Final Severe Thunderstorm Risk Saturday

## Level 2 of 5 (Slight Risk)

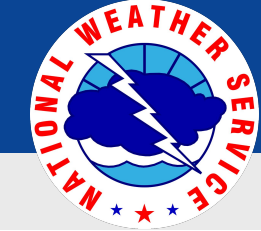
- *One final round of scattered severe thunderstorms is possible Saturday afternoon into Saturday night.*
- Much of the region is now in a **Marginal Risk** or **Slight Risk** for severe weather, greatest risk western Kentucky.
- Damaging winds, localized large hail, and an isolated tornado are the main hazards of concern, especially across western Kentucky.



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





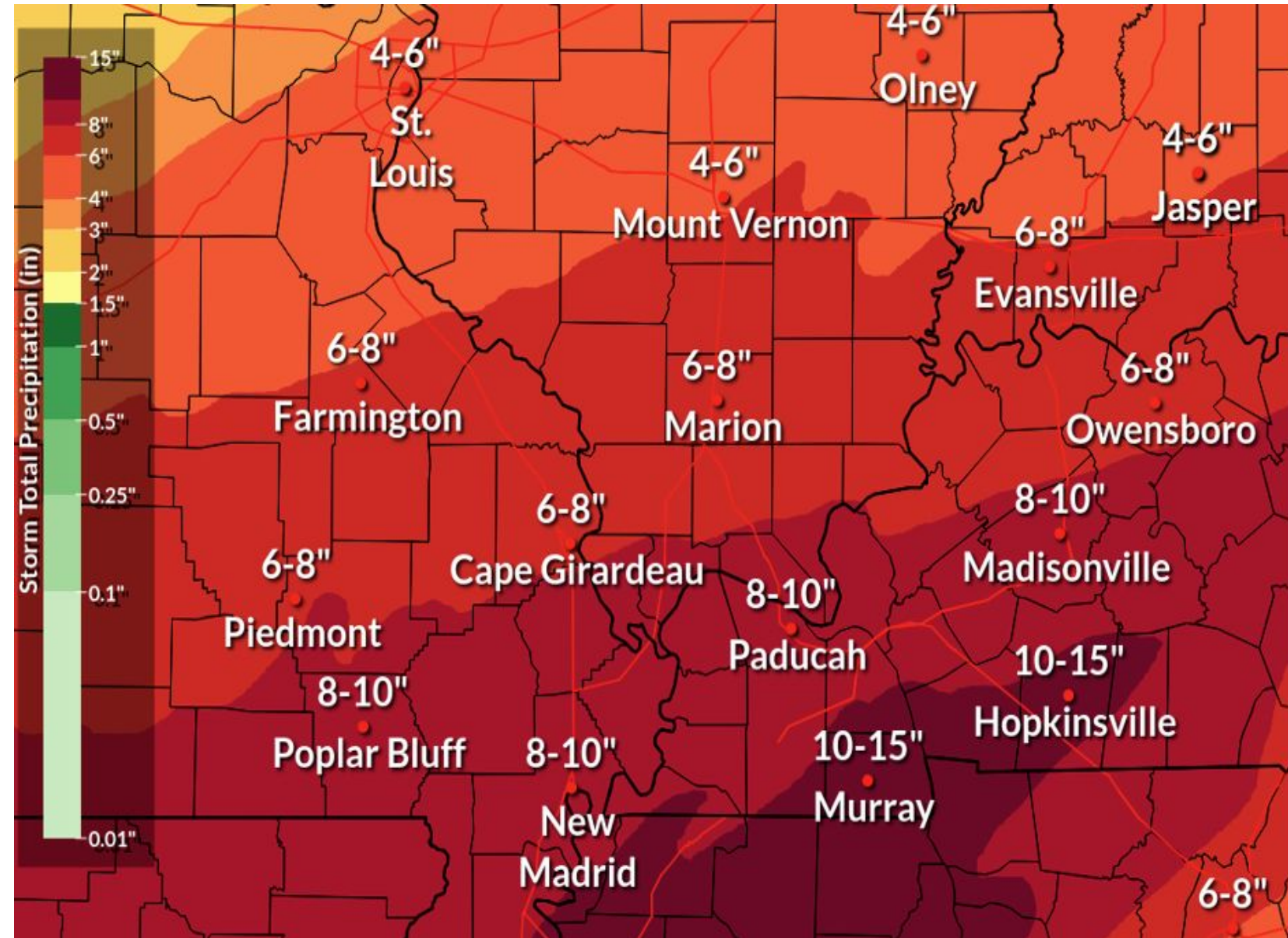


# Additional Forecast Rainfall Totals through Saturday Night

April 3, 2025  
4:15 AM

## Widespread Significant and Potentially Catastrophic Flooding and Flash Flooding is Expected!

- Confidence remains **high** in a prolonged period of heavy rainfall through Saturday night.
- Numerous rounds of heavy showers and thunderstorms will produce multiple inches of rainfall through the period. **The entire Quad State is expected through Saturday night to receive an additional 4-8", with 8-10" likely over much of west Kentucky and portions of southeast Missouri.** Isolated higher amounts are possible.
- **Significant and potentially life-threatening flash flooding is expected.** River flooding will also develop across many area rivers.
- These amounts will cause flooding of areas that **do not normally flood**, and that may have never flooded before.
- Impacts from this event will be significant, and may be historic.
- Continue to monitor the latest forecasts and briefings for updates.







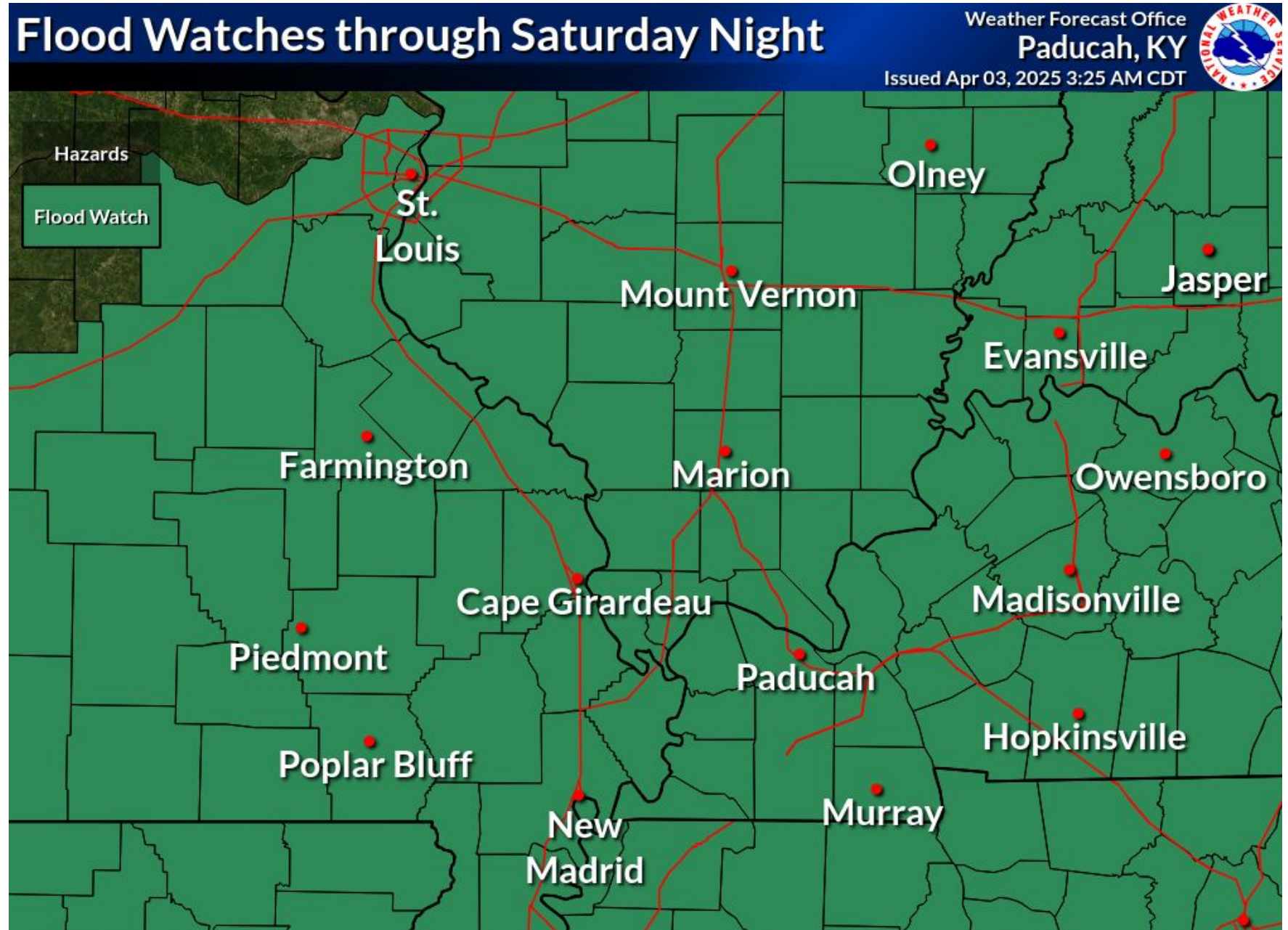
# Flood Watches Across the Region

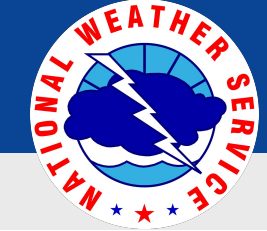
In Effect through Saturday Night

April 3, 2025

4:15 AM

- Flood Watches remain in effect through Saturday night.
- **This is a particularly dangerous situation.** Widespread and dangerous flooding is expected across our region.
- Continue to monitor forecasts and be prepared to change travel plans.





**Expect multiple hours with at least some tornado and severe thunderstorm threat, and ongoing flooding through Saturday night.**

**Even when the rain finally ends late Saturday night, flooding will continue, possibly for many days or longer.**

**It is crucial to stay aware of the weather the next several days! Be prepared to take action if needed!.**

## Thursday

- A more conditional severe threat persists in the southeast - dependent on where the cold front settles
- Flash flooding probable or ongoing

## Friday

- Front shifts north, severe thunderstorm threat increases, especially Friday night
- Flash flooding will almost certainly be ongoing, and areas may have received up to 6-8 inches of rain by Friday evening

## Saturday

- Big upper storm system pushes through, severe risk continues
- Likely the highest flood and flash flood impacts by this point
- Potentially catastrophic/historic flooding



# Severe Thunderstorm Risk Categories

Thunderstorms (no label)

**No severe storms expected**

Lightning/flooding threats exist with all storms



Enhanced (ENH)

**Numerous severe storms possible**

More persistent and/or widespread, a few intense

Marginal (MRGL)

**Isolated severe storms possible**

Limited in duration and/or coverage and/or intensity



Moderate (MDT)

**Widespread severe storms likely**

Long-lived, widespread and intense

Slight (SLGT)

**Scattered severe storms possible**

Short-lived and/or not widespread, isolated intense storms



High (HIGH)

**Widespread severe storms expected**

Long-lived, very widespread and particularly intense



NWS defines a severe thunderstorm as measured wind gusts of at least 58 mph, and/or hail of at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



# Tornado Sheltering Guidelines

Seek the best available refuge area **immediately** when a Tornado Warning is issued.  
Your chance of surviving a tornado is excellent if you follow these guidelines.

## WORST OPTIONS

Mobile homes  
Vehicles  
Underneath a  
highway overpass

## BAD OPTIONS

Large open rooms  
like gymnasiums  
Manufactured housing

## GOOD OPTIONS

Interior room  
of a well-constructed  
home or building  
Basement

## BEST OPTIONS

Above or below ground  
Tornado Storm Shelter  
(NSSA/ICC 500 compliant)\*  
Specifically-designed  
FEMA Safe Room\*

Find another option



Stay in place until all clear



# 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.**

