



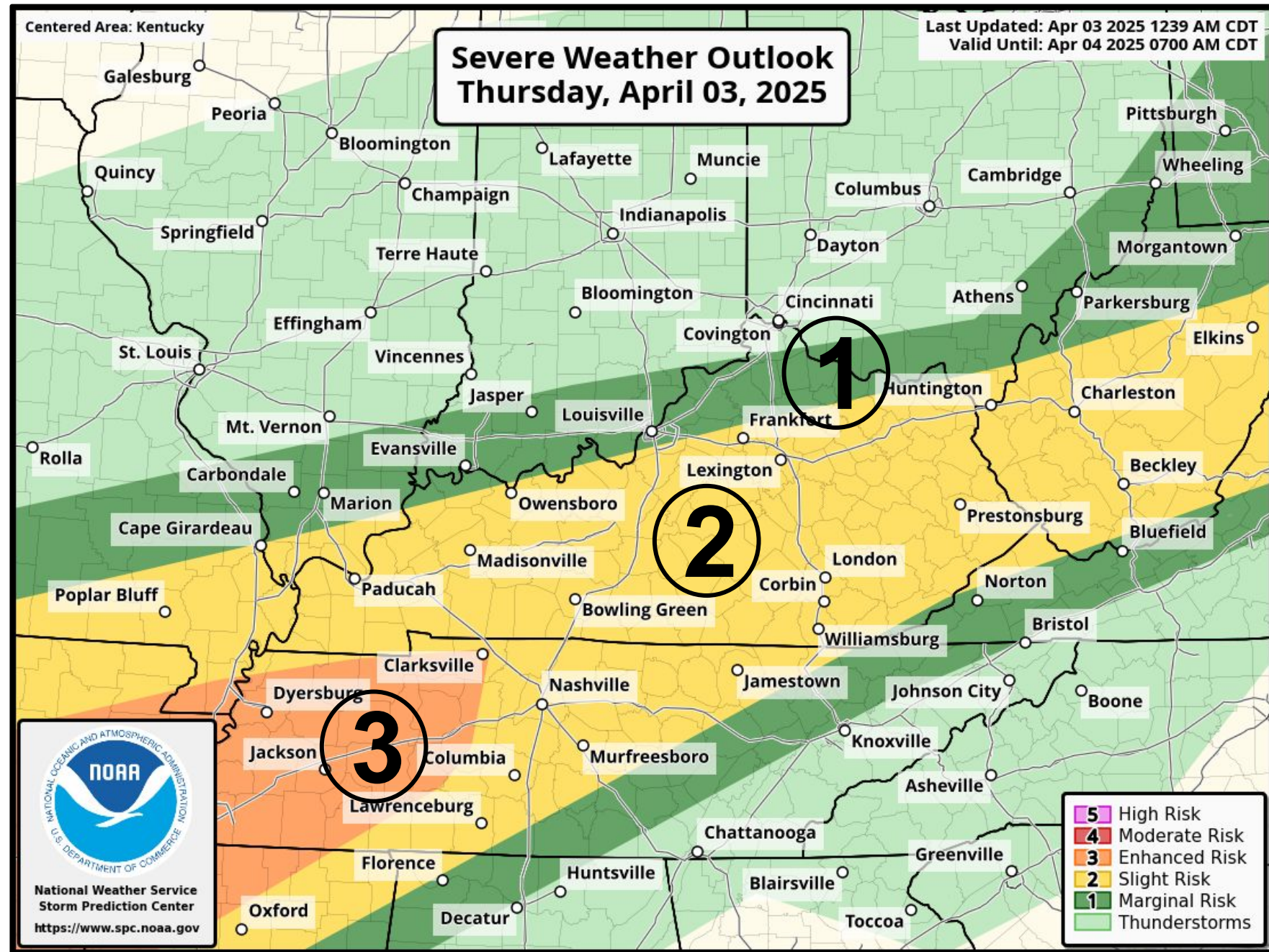
# Severe Storm Potential Tonight

April 3, 2025  
6:19 PM

## Key Messages

- Waves of showers and storms will ride along a stalled cold front
- All hazards are in play (see following slides), however, the long-track tornado and destructive wind threat will be much lower than what we had last night
- Most likely timing: this afternoon and evening

## Confidence in Severe Storms





# Tornado Probabilities

April 3, 2025  
6:19 PM

Tonight

## Key Messages

- Isolated tornadoes possible
- Highest chances for a tornado are in southern and eastern Kentucky

## What You Can Do

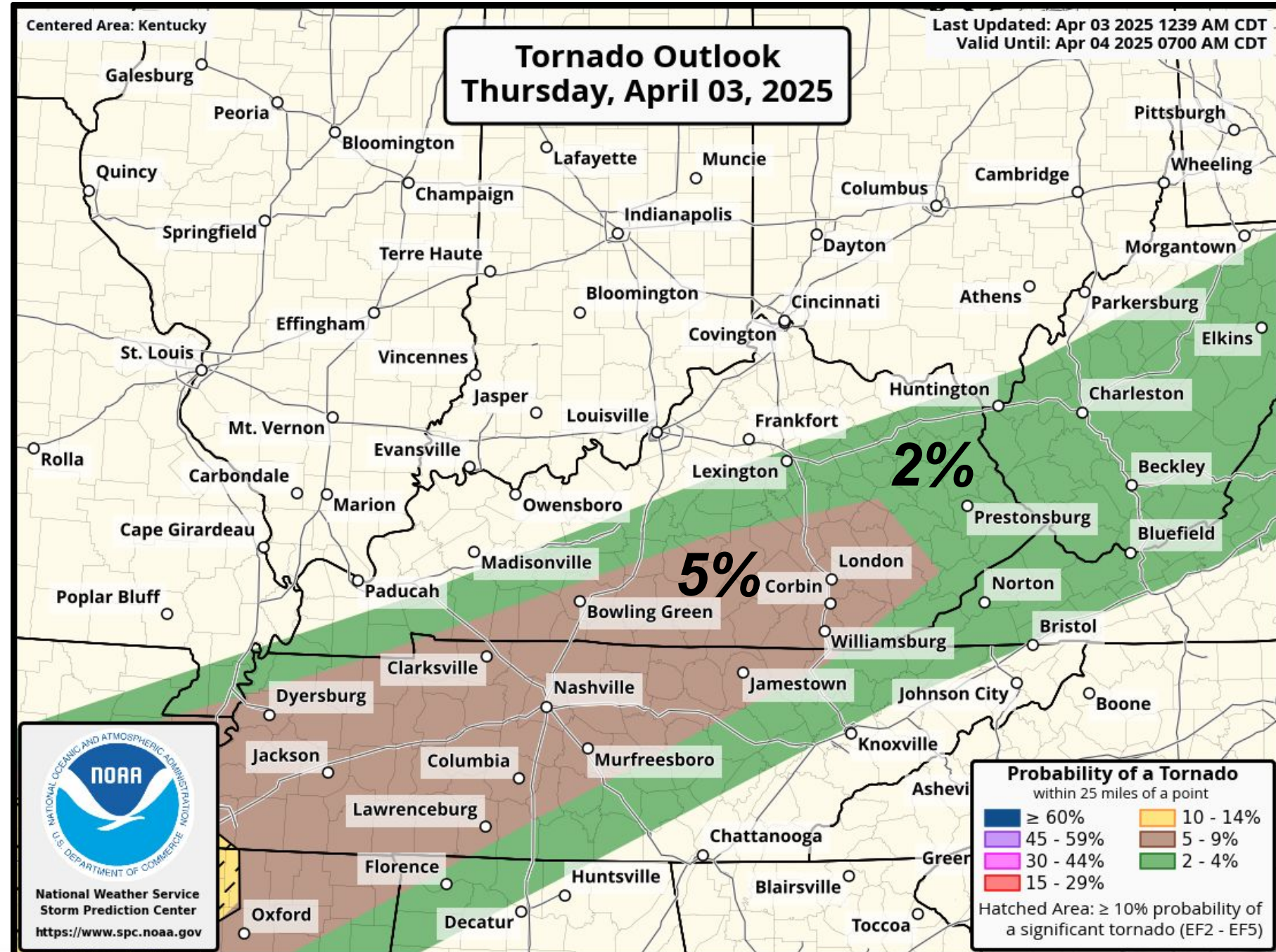
- Have a plan for when warnings are issued for your area! Make sure you have multiple ways to receive warnings, do not rely on outdoor sirens!
- Know where to shelter at home or work.

## Confidence in Tornadoes

Low

**Medium**

High





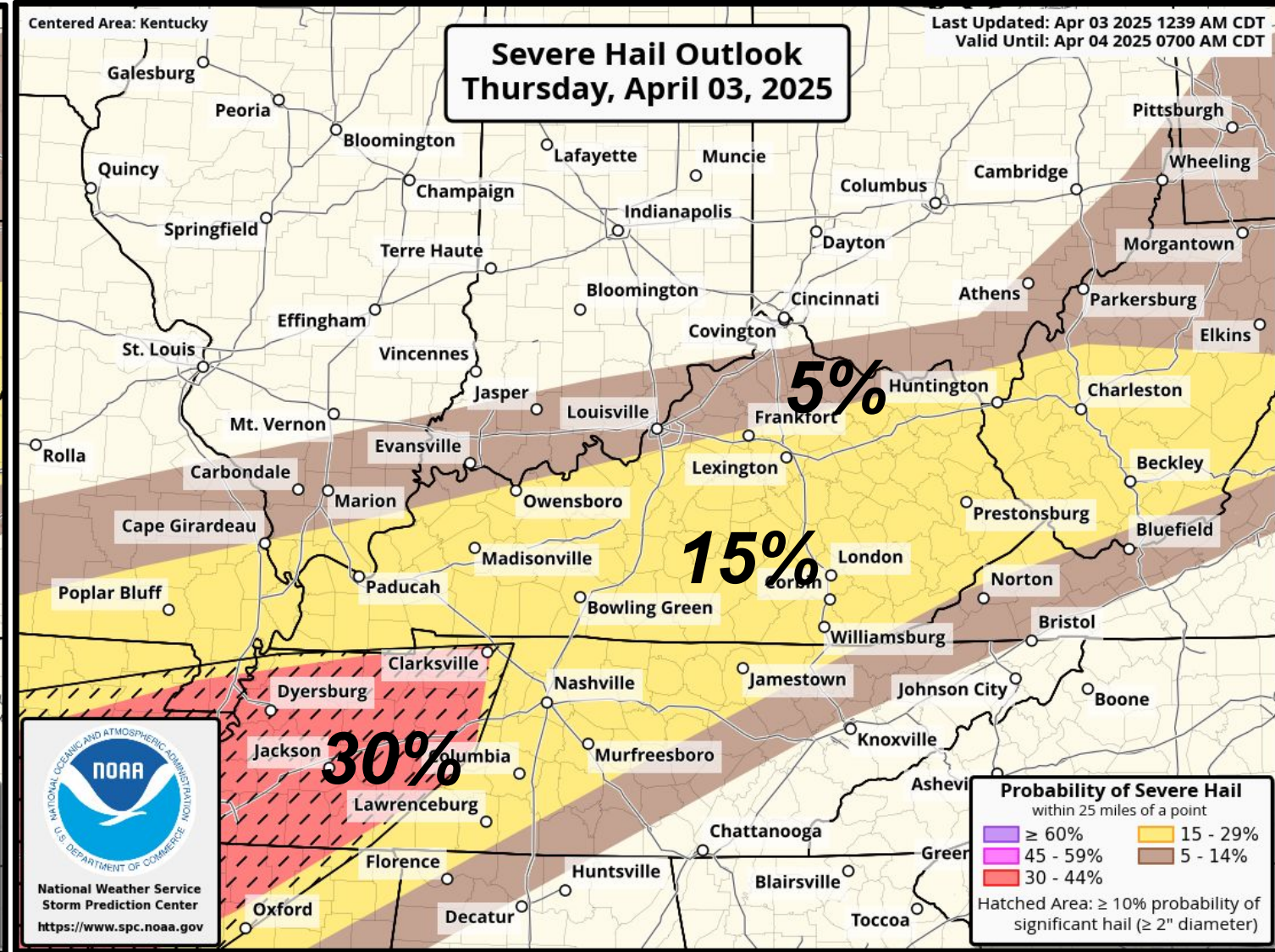
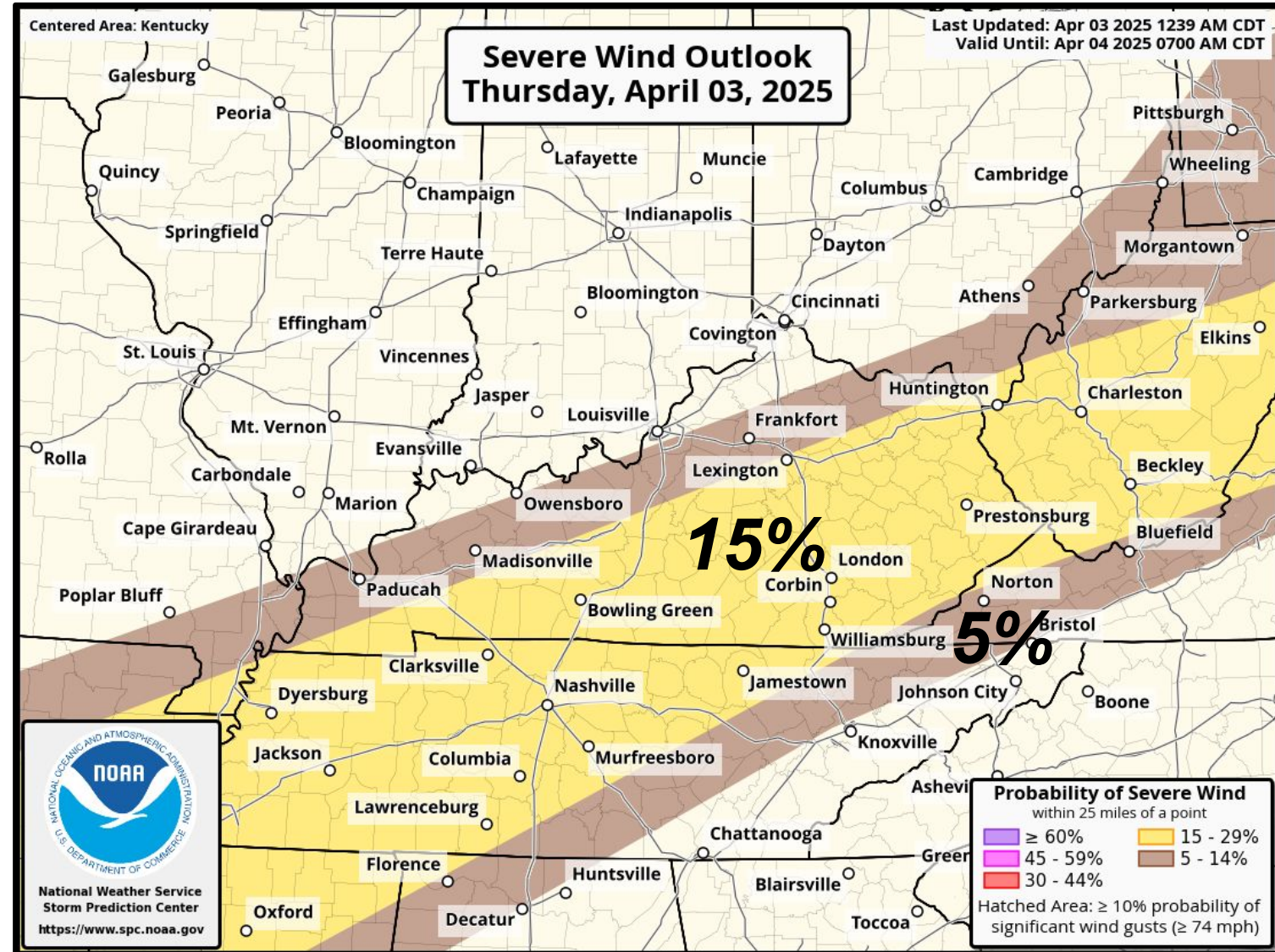
# Severe Wind and Hail Probabilities

April 3, 2025  
6:19 PM

Tonight

## Probability of Severe Straight-Line Winds (58+ mph)

## Probability of Severe Hail (1" Diameter)



**Hatched Area: ≥10% chance of 2+” diameter hail**

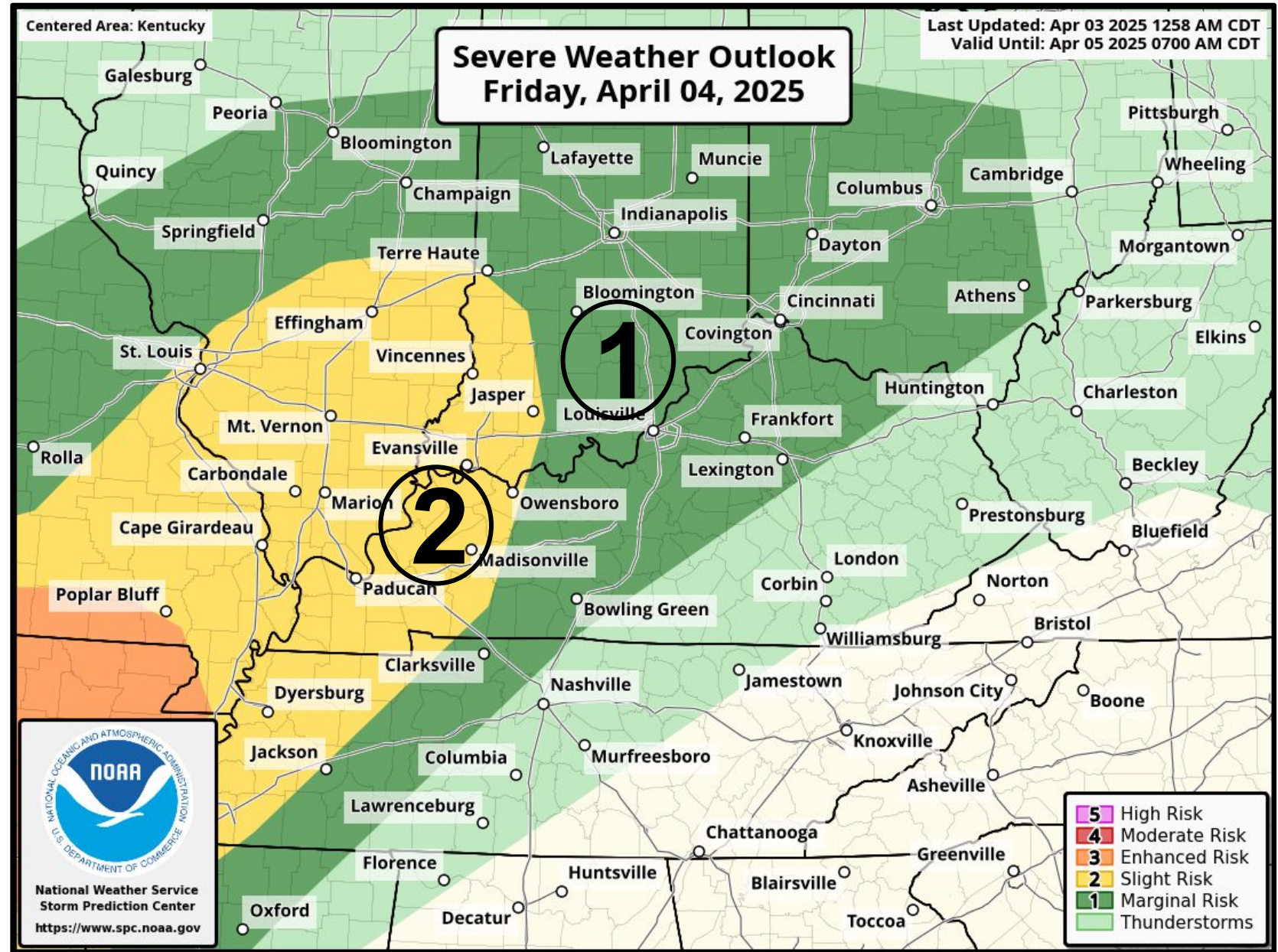


# Severe Storm Potential Friday

April 3, 2025  
6:19 PM

## Key Messages

- Additional waves of showers and storms will ride along a stalled cold front
- Large hail and strong gusty winds are the main threats



## Confidence in Severe Storms



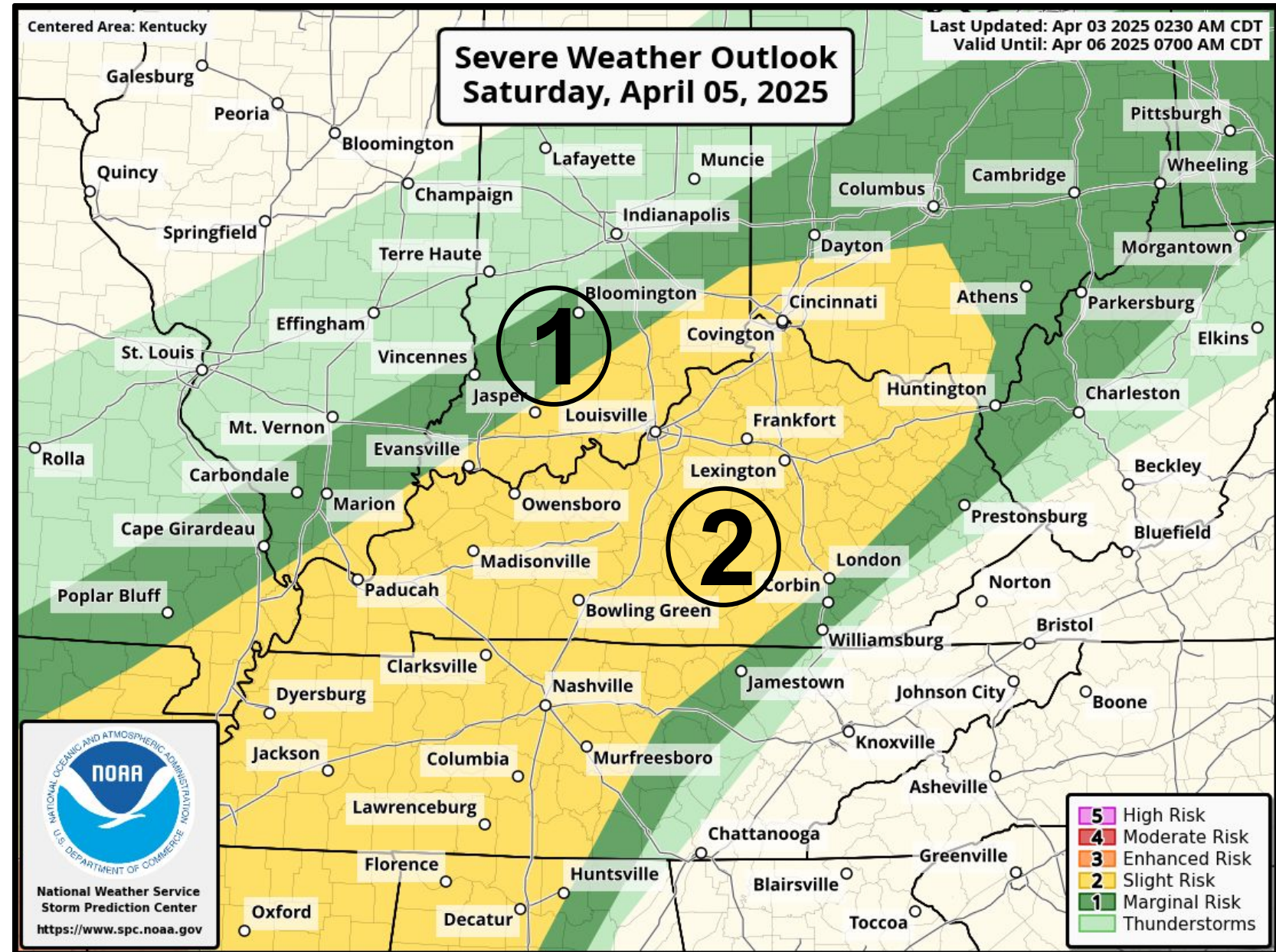


# Severe Storm Potential Saturday

April 3, 2025  
6:19 PM

## Key Messages

- Additional waves of showers and storms will ride along a stalled cold front
- Large hail and strong gusty winds are the main threats



## Confidence in Severe Storms











# Understanding SPC Outlook Categories

April 3, 2025  
6:19 PM

## Severe Weather Risks Defined

Understanding Severe Thunderstorm Risk Categories					
THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
<ul style="list-style-type: none"> <li>• Winds to 40 mph</li> <li>• Small hail</li> </ul>	<ul style="list-style-type: none"> <li>• Winds 40-60 mph</li> <li>• Hail up to 1"</li> <li>• Low tornado risk</li> </ul>	<ul style="list-style-type: none"> <li>• One or two tornadoes</li> <li>• Reports of strong winds/wind damage</li> <li>• Hail ~1", isolated 2"</li> </ul>	<ul style="list-style-type: none"> <li>• A few tornadoes</li> <li>• Several reports of wind damage</li> <li>• Damaging hail, 1 - 2"</li> </ul>	<ul style="list-style-type: none"> <li>• Strong tornadoes</li> <li>• Widespread wind damage</li> <li>• Destructive hail, 2" +</li> </ul>	<ul style="list-style-type: none"> <li>• Tornado outbreak</li> <li>• Derecho</li> </ul>
<p>* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to 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.</p>					





# Major Flooding Likely Late Week

April 3, 2025  
6:19 PM

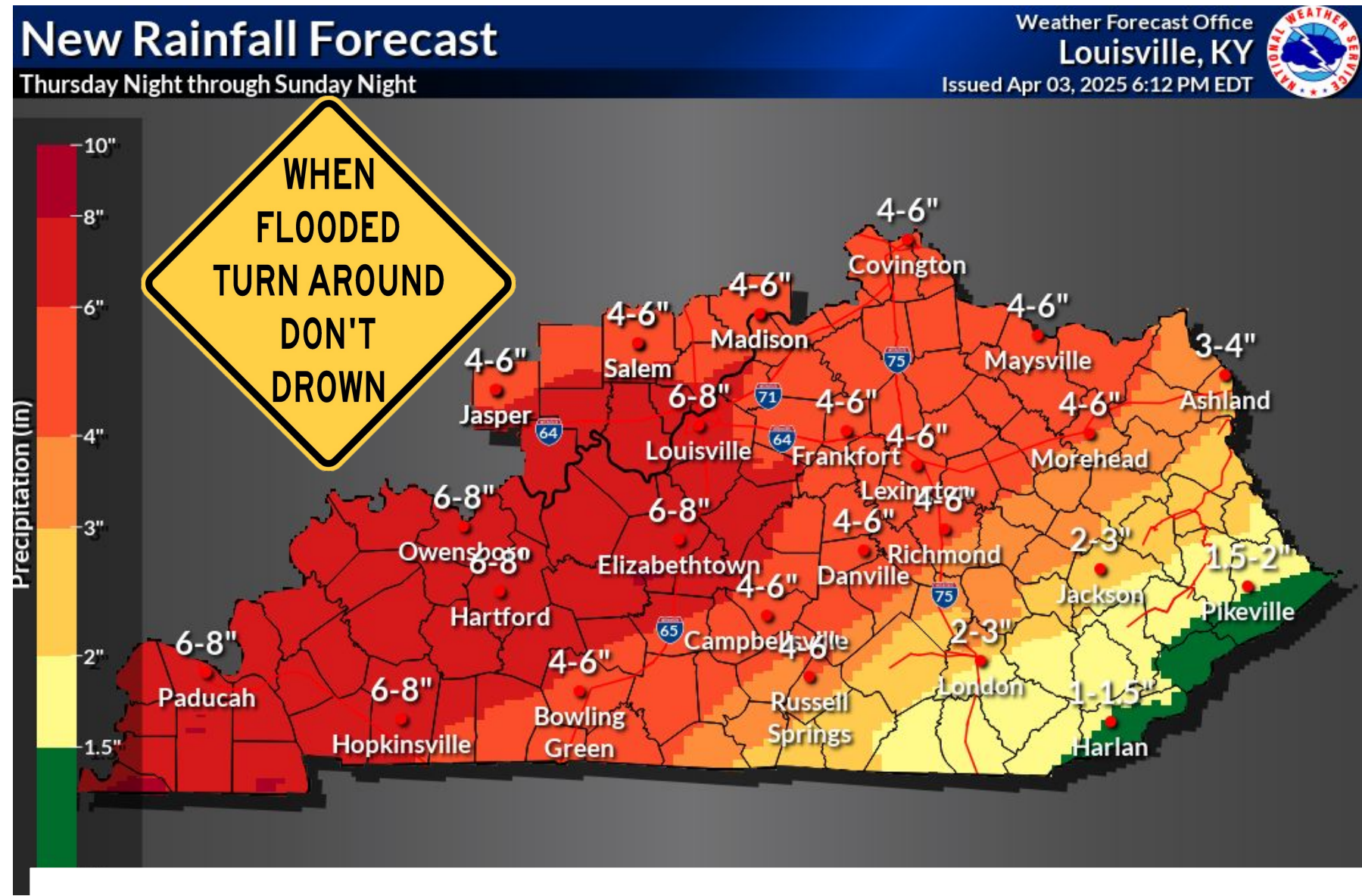
## Key Messages

- Multiple rounds of heavy rainfall are expected tonight through the weekend
- Flooding will become more widespread later in the week as additional storms move through
- The area of heaviest rainfall may shift slightly over the next few days

## Impacts

- **Flash flooding** due to heavy rainfall rates in thunderstorms
- **Widespread river flooding**
- **Potentially life-threatening flooding**

## Confidence in Flooding





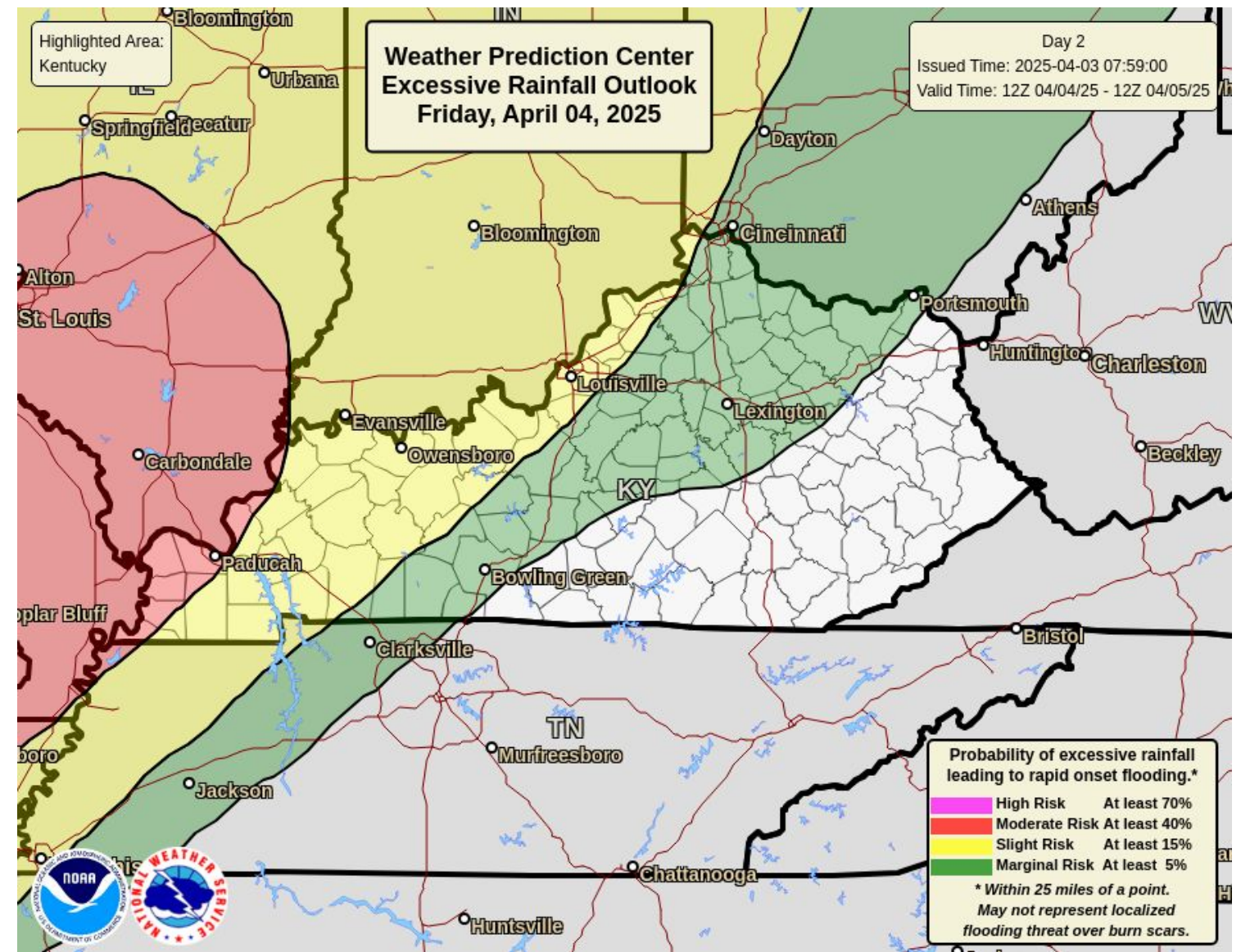
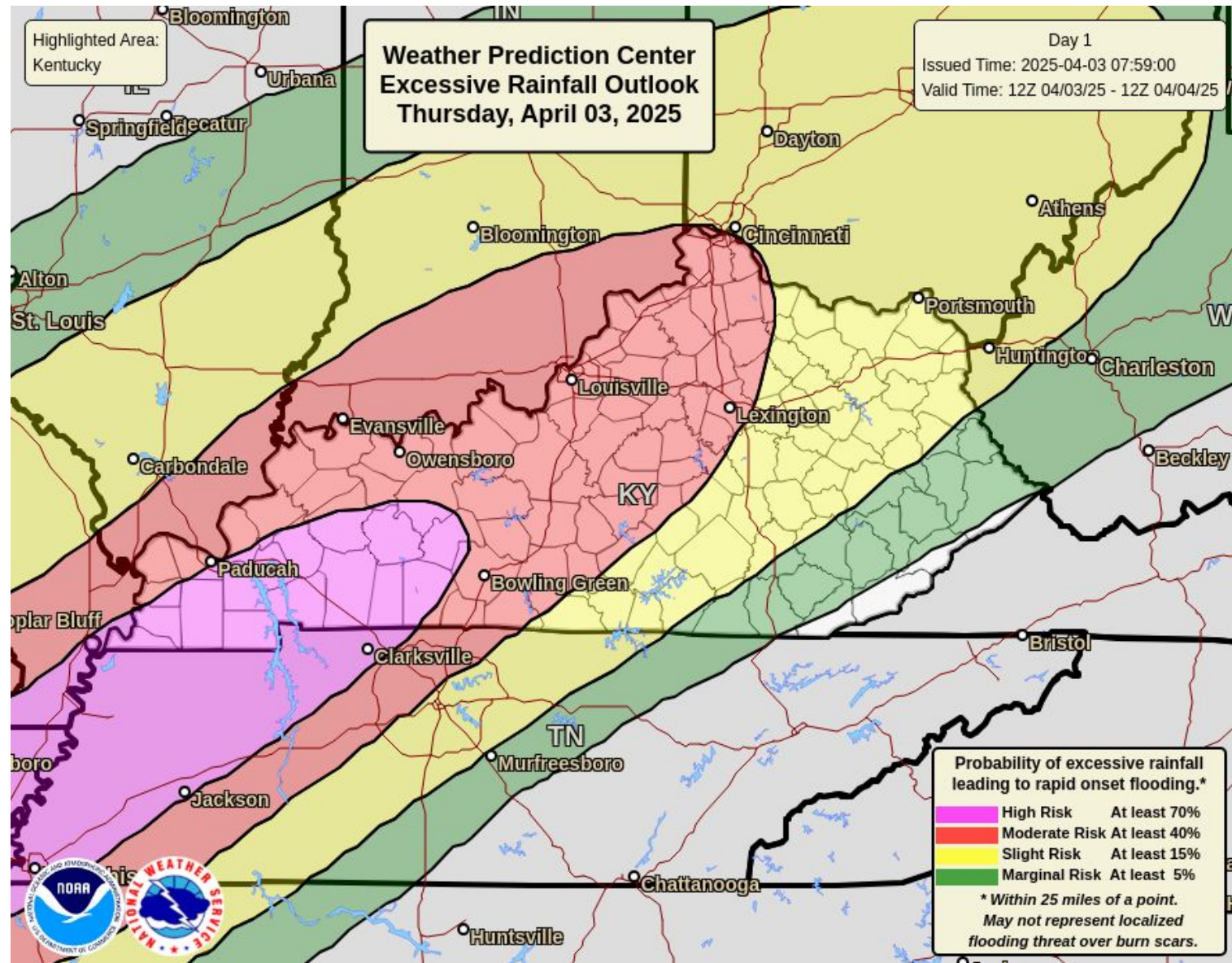
# Major Flooding Likely Late Week

April 3, 2025  
6:19 PM

## Excessive Rainfall Outlooks for Today and Friday

### Today's Excessive Rainfall Outlook

### Friday Excessive Rainfall Outlook







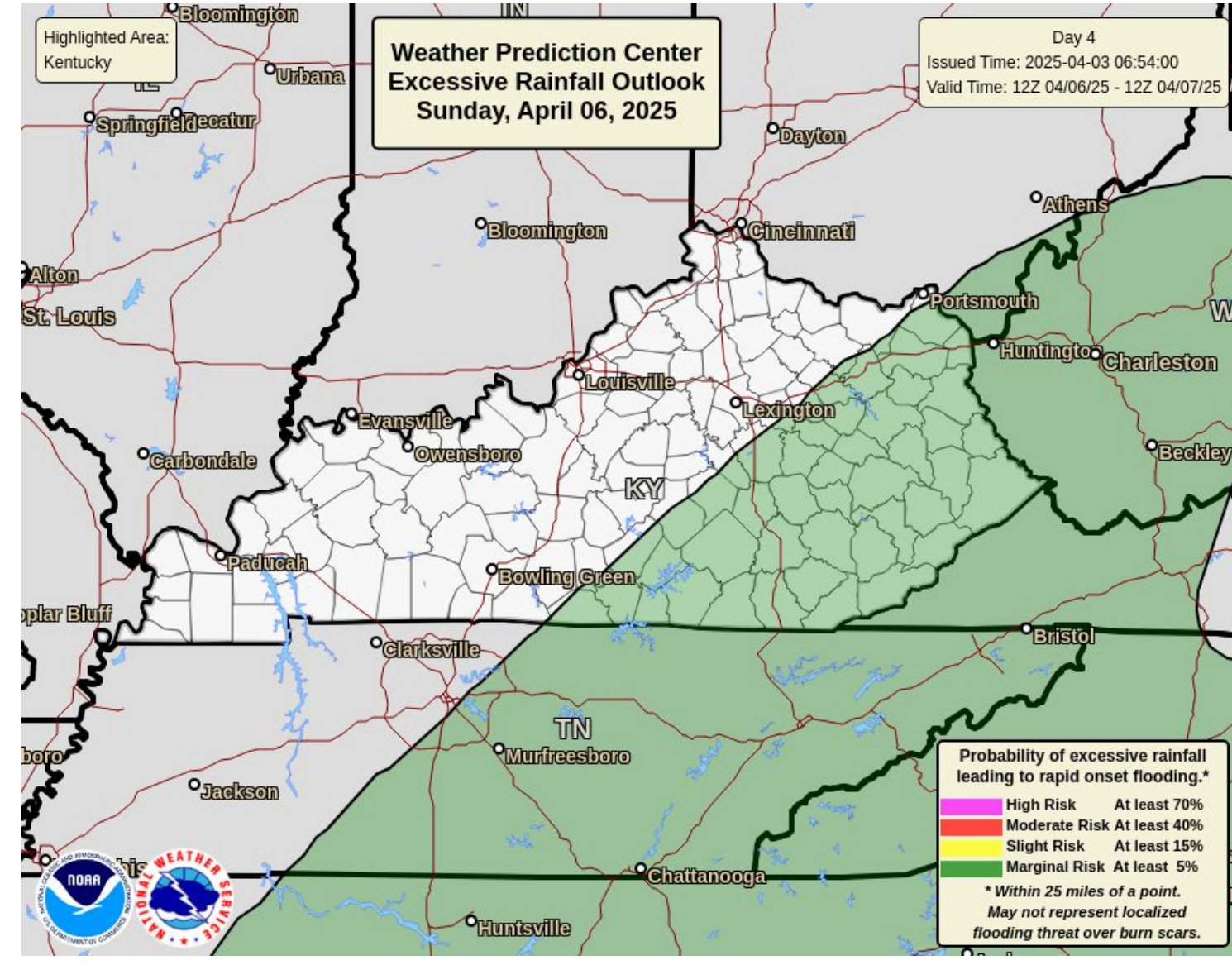
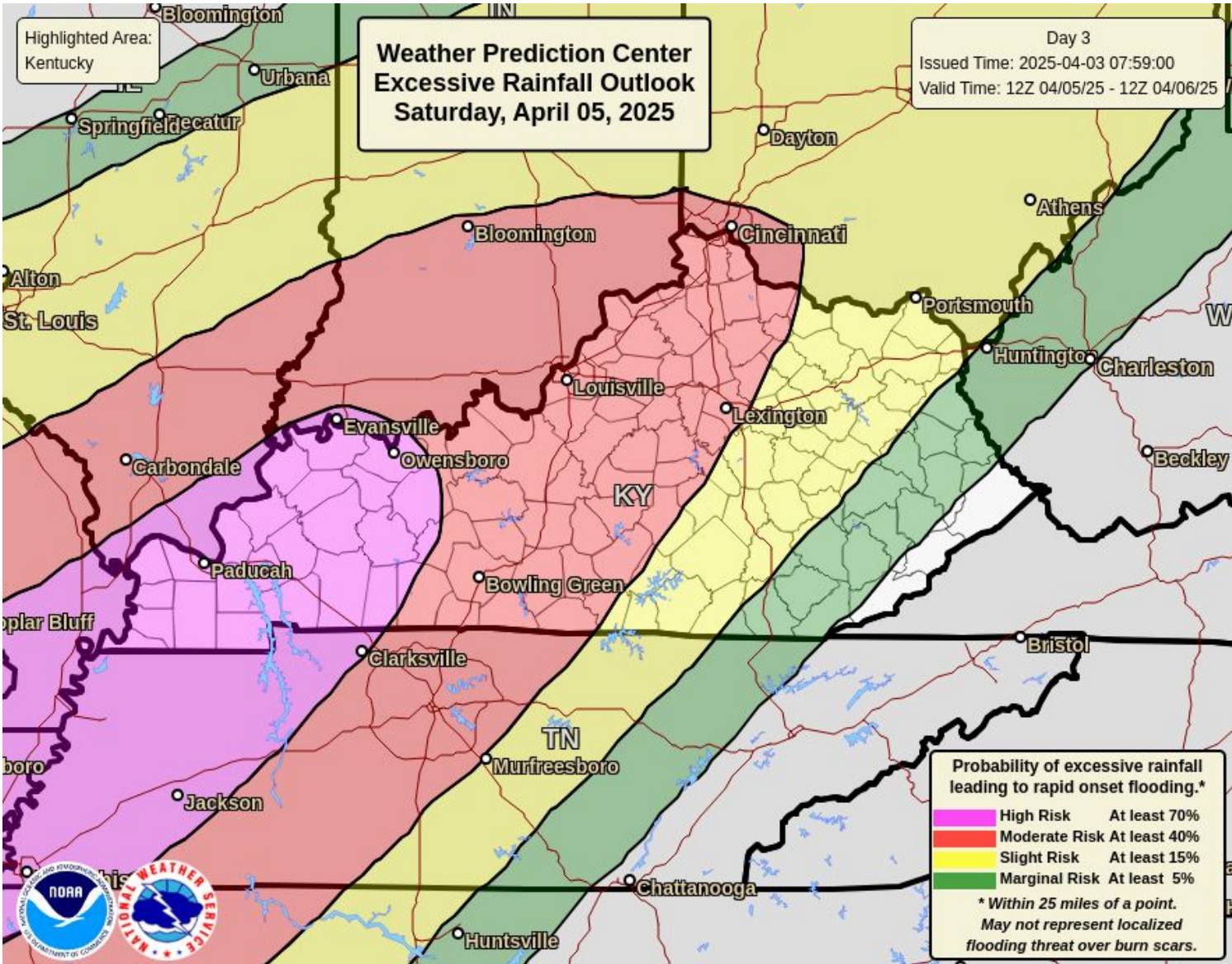
# Major Flooding Likely Late Week

April 3, 2025  
6:19 PM

## Excessive Rainfall Outlooks for the Weekend

### Saturday Excessive Rainfall Outlook

### Sunday Excessive Rainfall Outlook





# Understanding WPC Outlook Categories

April 3, 2025  
6:19 PM

## Excessive Rainfall Outlooks Defined

### 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>Isolated flash floods possible</p> <p>Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.</p>	<p><b>SLIGHT (SLGT)</b></p> <p>Scattered flash floods possible</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>Numerous flash floods likely</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>Widespread flash floods expected</p> <p>Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.</p>
<p>Flash flooding near me?</p>	<p>Flash Flooding</p> <p>NO Flash Flooding</p>			

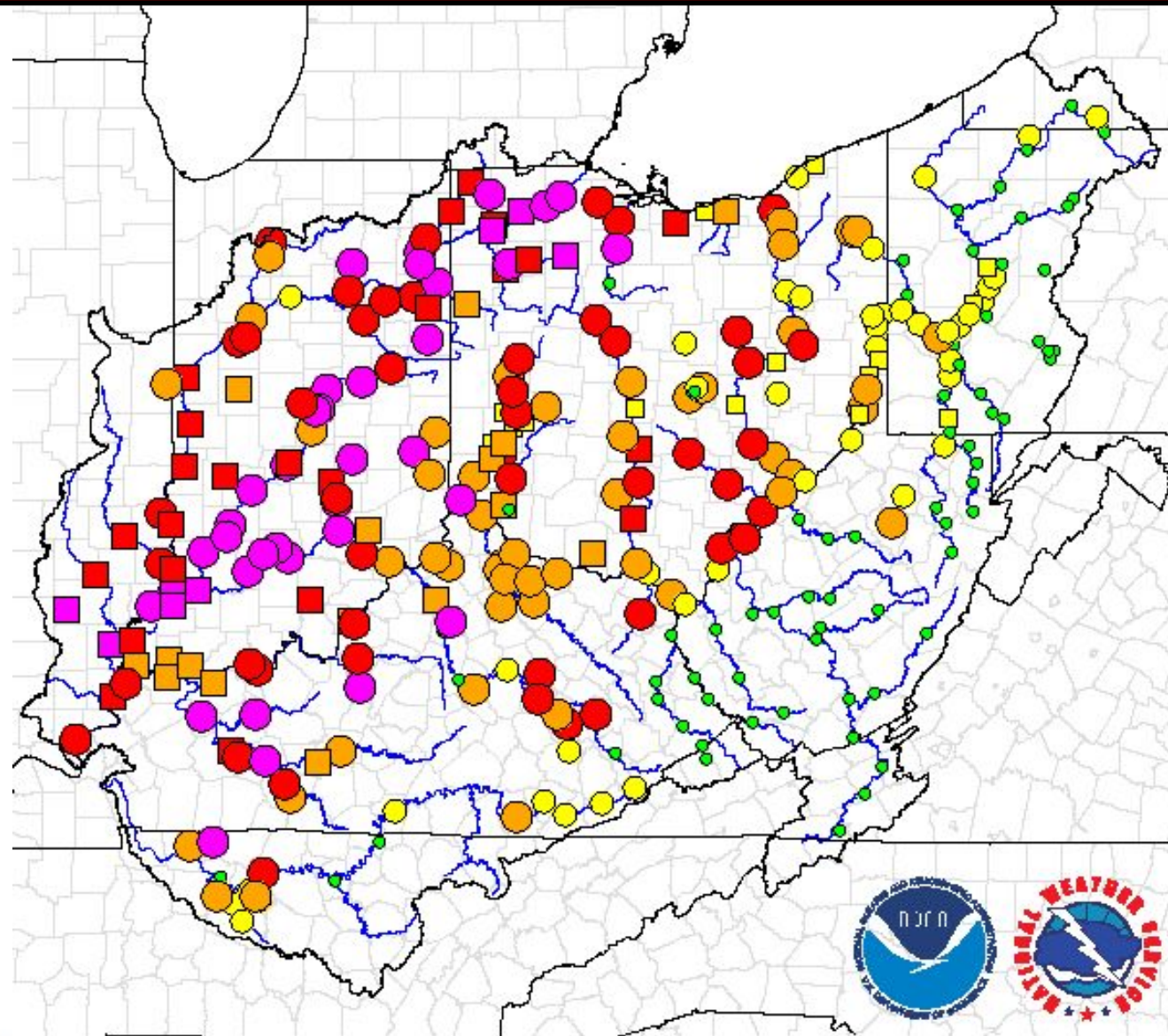




# Major Flooding Likely Late Week

April 3, 2025  
6:19 PM

This is an increasingly significant setup with potential for high impacts and life-threatening flooding spanning the course of several days. Be sure to prepare if you live in a flood zone!



10-Day Potential River Levels  
2025-04-02 - 2025-04-12  
NWS Ohio River Forecast Center

- Normal Flow
- 30% Exceedance 70%
- Action Stage ■
- Minor Flood ■
- Moderate Flood ■
- Major Flood ■

NAEFS Model Cycle:  
2025040208Z

Issued Apr 02 19:35 EDT



# FLOODING

ROAD  
CLOSED

CLOSED  
ROAD

*Sometimes difficult to see during the day.*

# AT NIGHT

*Impossible to see at night.*



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