



Severe Weather Likely Wednesday Evening

March 31, 2025
11:23 AM

Key Messages

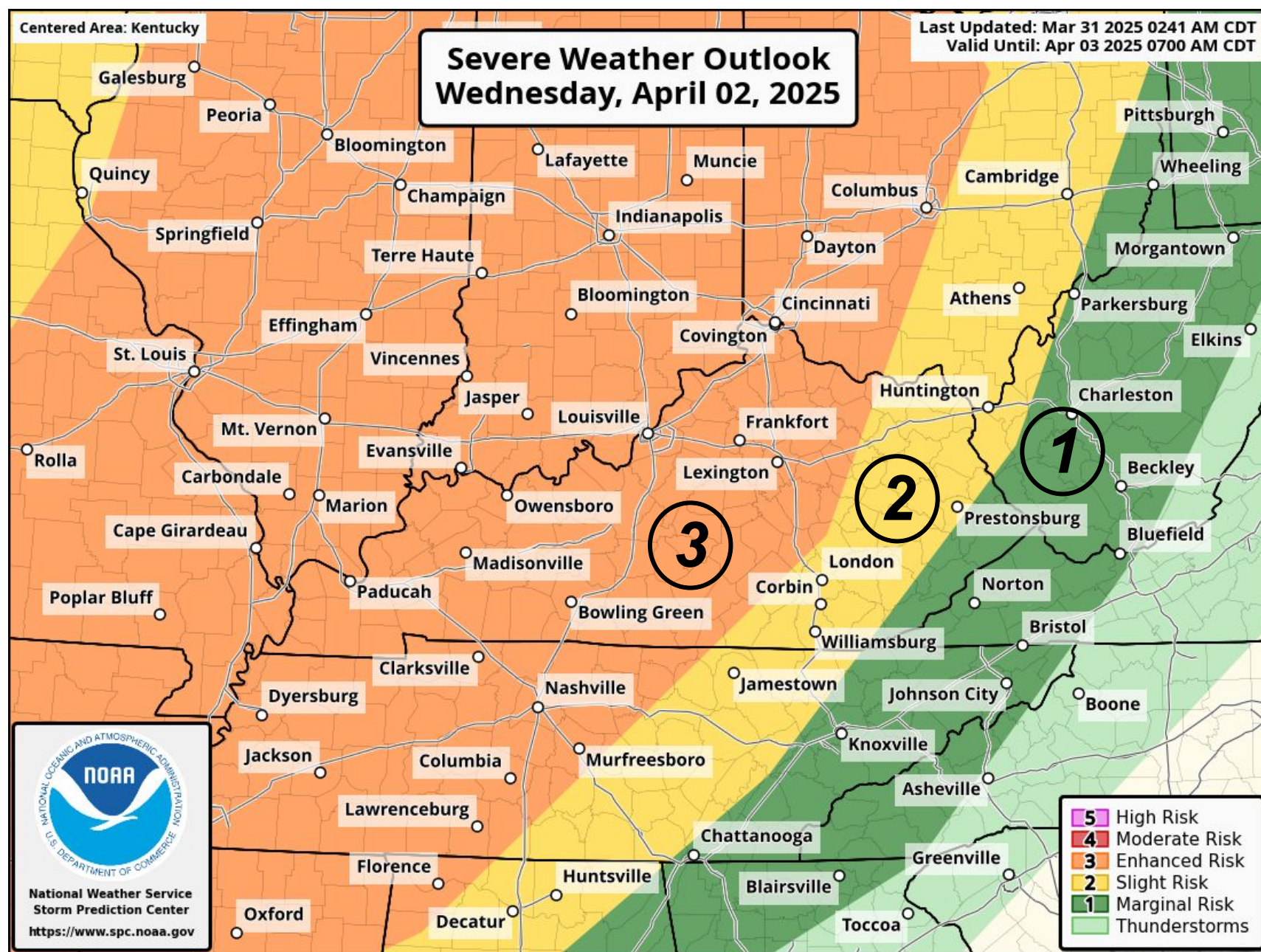
- Strong southerly non-thunderstorm winds on Wednesday, gusts over 40 mph possible
- Severe thunderstorms develop west of the Mississippi River during the afternoon
- Storms push into Kentucky and Indiana during the evening hours
- All severe hazards are in play, though the main threats should be **damaging winds** and **spin-up tornadoes**

Confidence in Severe Storms

Low

Medium

High





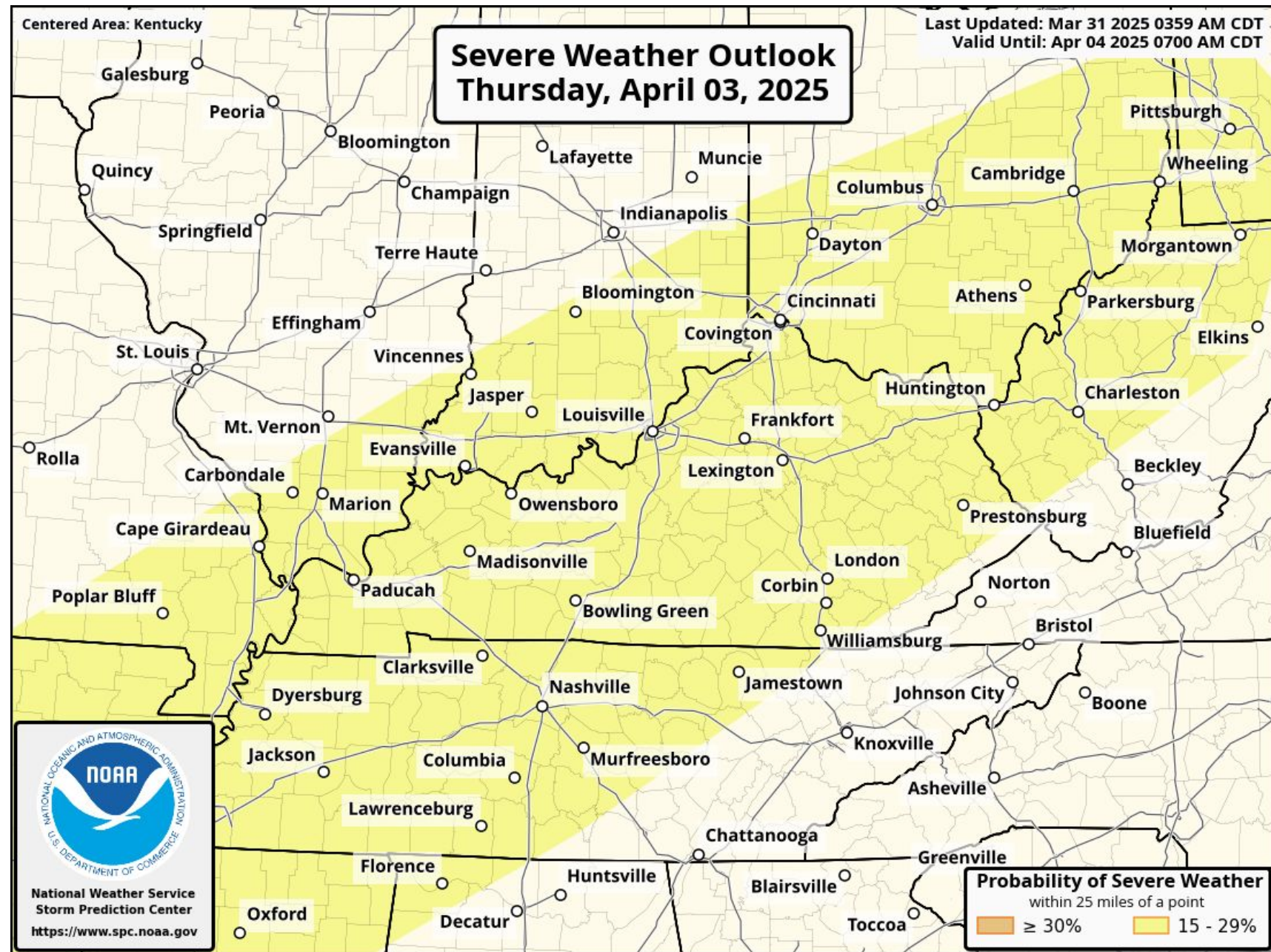
Severe Weather Possible Thursday

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Lower Confidence in Additional Strong to Severe Storms Thursday and Thursday Night

Key Messages

- A surface front will linger over the area on Thursday, with additional waves of showers and storms riding along the front.
- Depending on how storms evolve Wednesday night, conditions may be favorable for additional severe storms Thursday/Thursday night.
- Flash flooding threat will increase with additional waves of showers and storms.



Confidence in Severe Storms

Low

Medium

High



Major Flooding Likely Late Week

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Threat Increases from Wednesday Evening through the Weekend

Key Messages

- There is increasing potential for a widespread flooding event late this week
- Multiple rounds of heavy rainfall are expected
- 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, moderate flooding possible on Ohio River, major flooding on smaller streams

Confidence in Flooding

Low

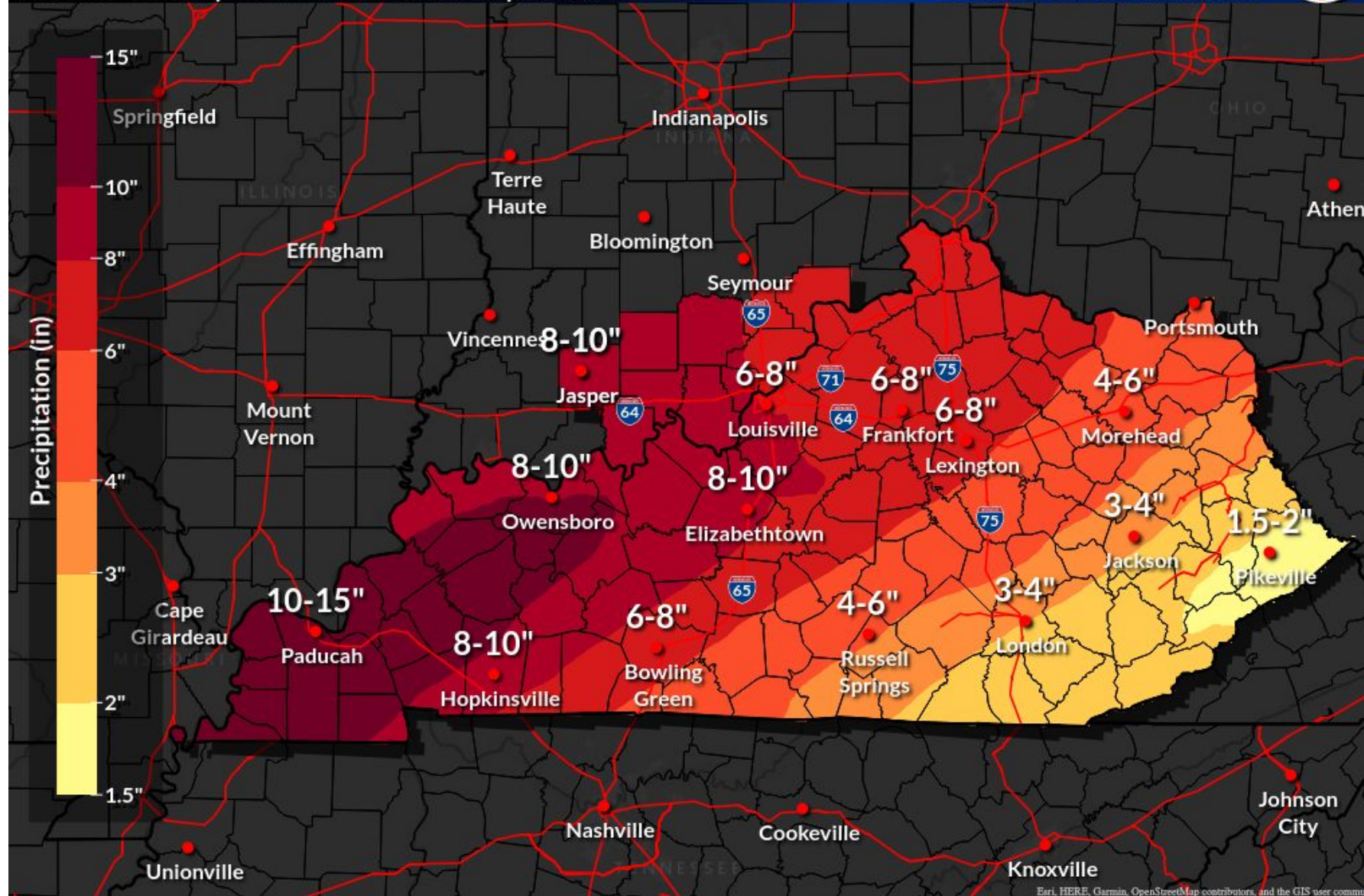
Medium

High

7-Day Rainfall Forecast

Valid 8 AM Monday 3/31/2025 - 8 AM Monday 4/7/2025

Weather Forecast Office
Louisville, KY
Issued Mar 31, 2025 4:37 AM EDT



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www.weather.gov/lmk



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY



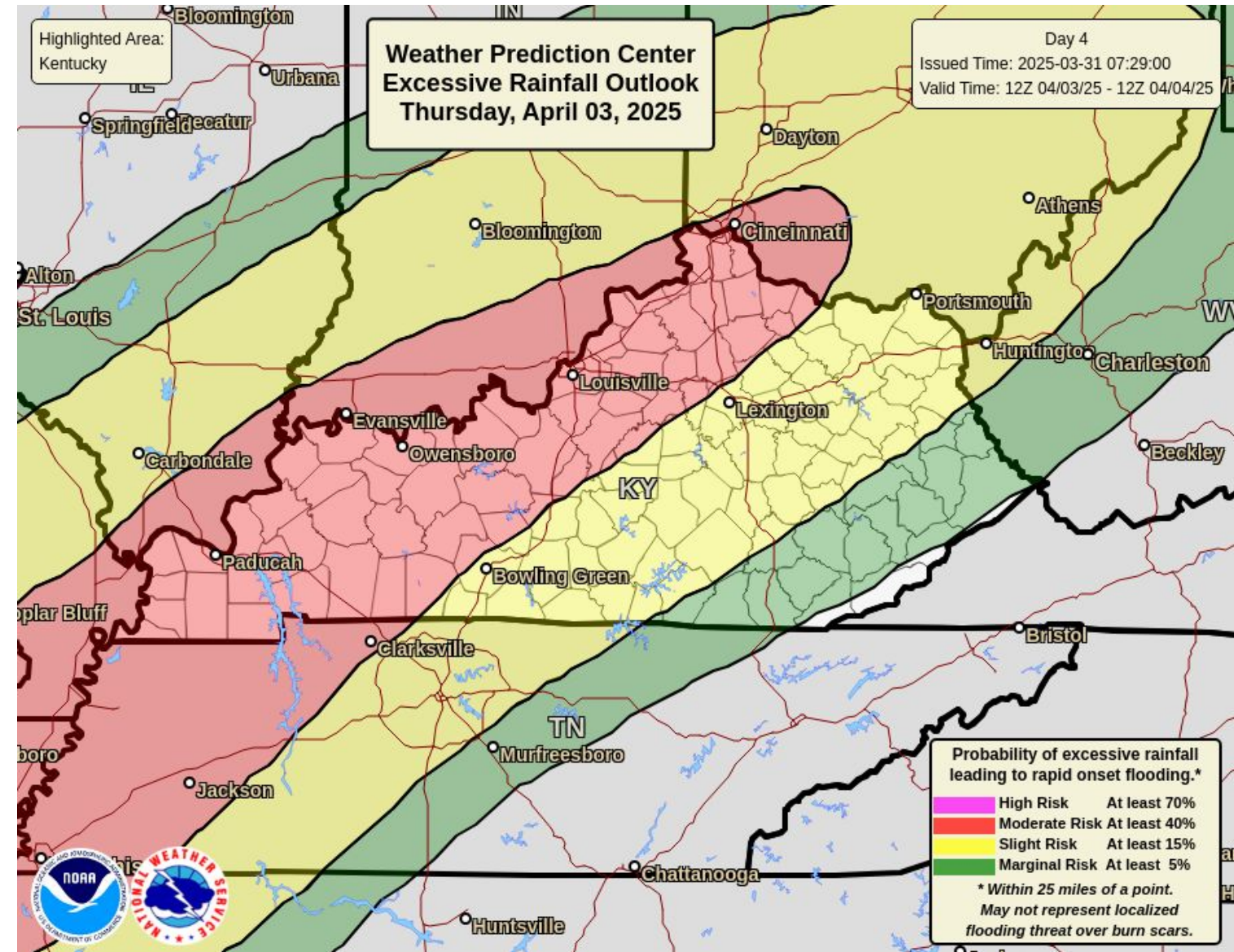
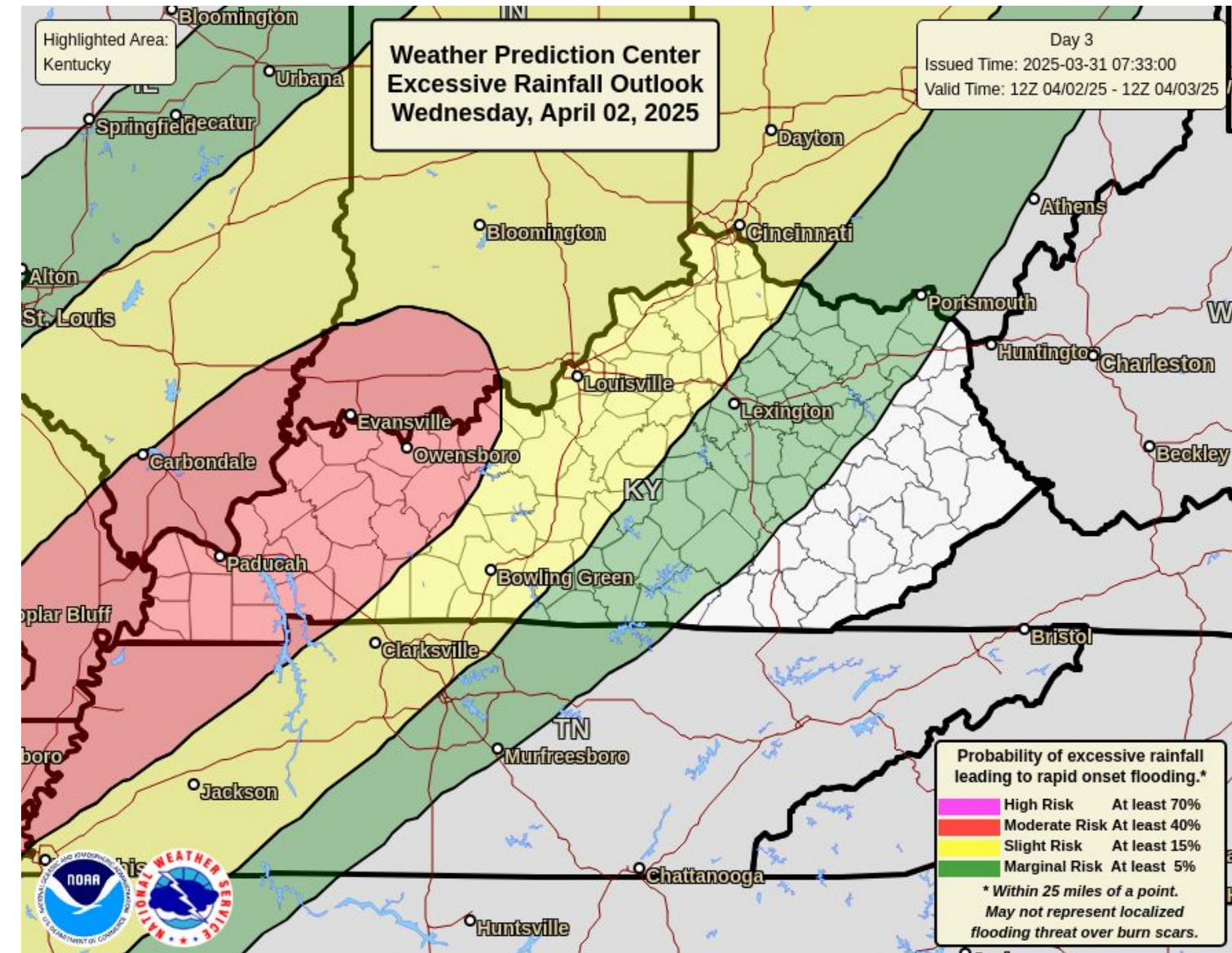
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Excessive Rainfall Outlooks for Wednesday and Thursday

Wednesday Excessive Rainfall Outlook

Thursday Excessive Rainfall Outlook

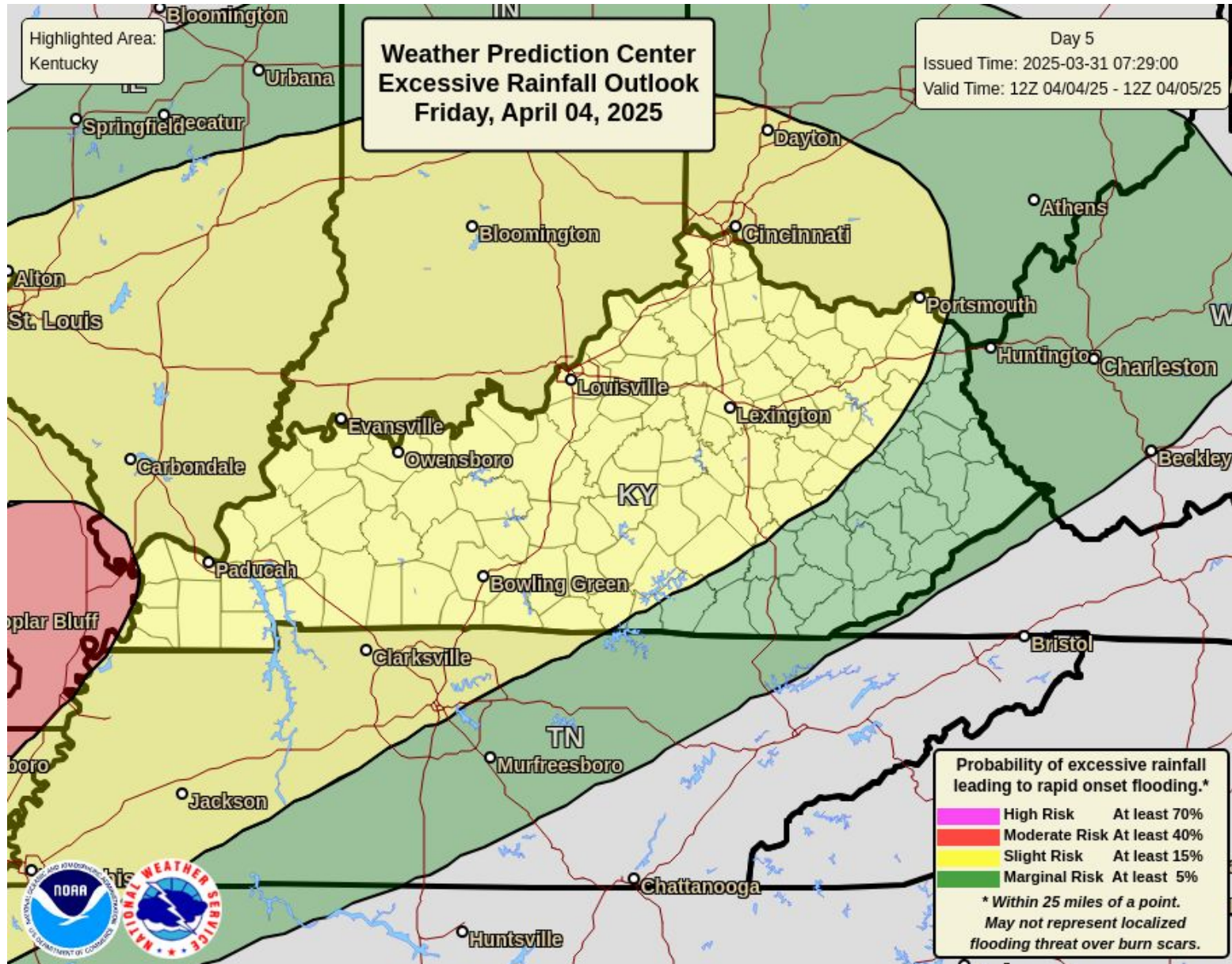




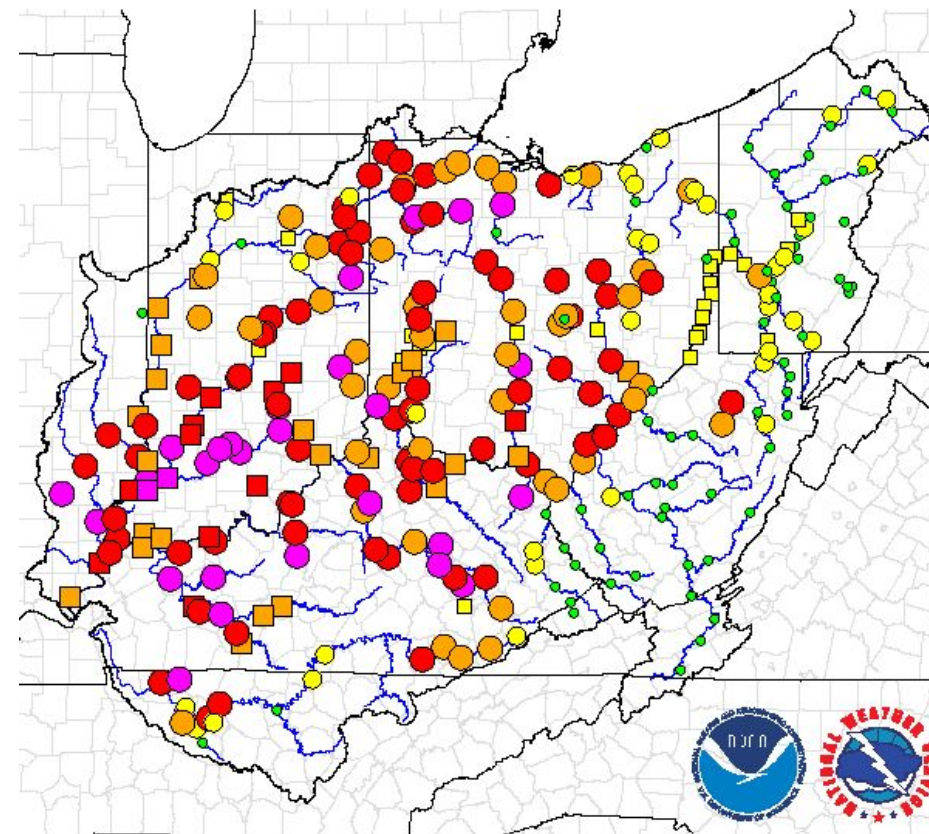
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Friday Excessive Rainfall Outlook



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
2025-03-31 - 2025-04-10
NWS Ohio River Forecast Center

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

NAEFS Model Cycle:
2025033020Z

Issued Mar 31 07:18 EDT

Never drive around barricades

-  Most flood fatalities occur in vehicles
-  12 inches of water can sweep a car off the road

