



Severe Threat Today and Tonight

May 16, 2025
3:35 PM

Significant Severe Weather Outbreak Possible

Key Messages

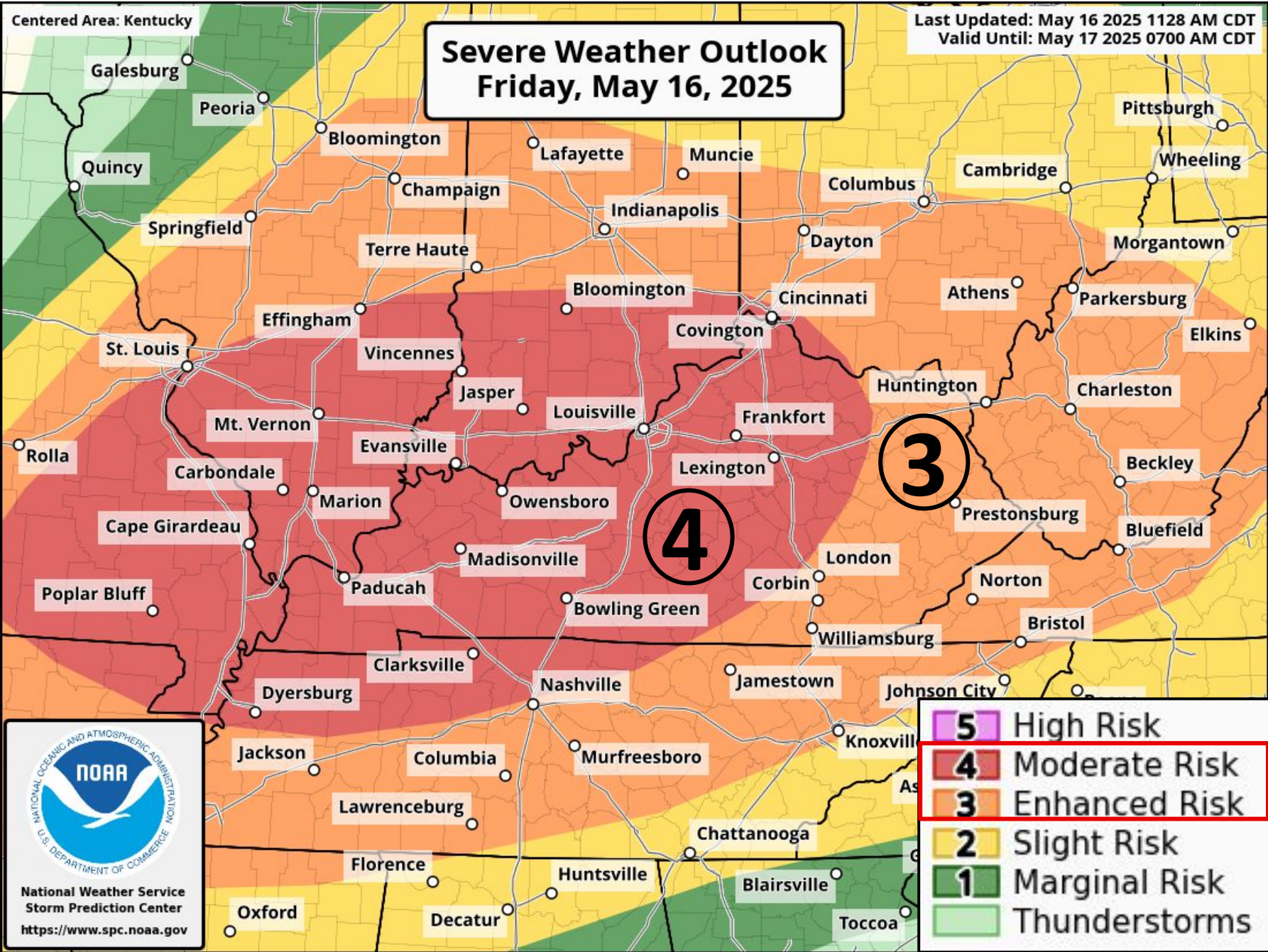
- Lines of severe storms are expected to develop over southeast Missouri this afternoon, moving across Kentucky/Indiana through the late afternoon and evening
- Severe threats:
 - ◆ Damaging winds (**possibly hurricane force**, which is 74 mph or greater)
 - ◆ Large / **very large** hail
 - ◆ Tornadoes (**potentially strong**)
 - ◆ Torrential rainfall

Overall Confidence

Low

Medium

High



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

National Weather Service
Louisville, KY

Understanding Severe Thunderstorm Outlook Categories



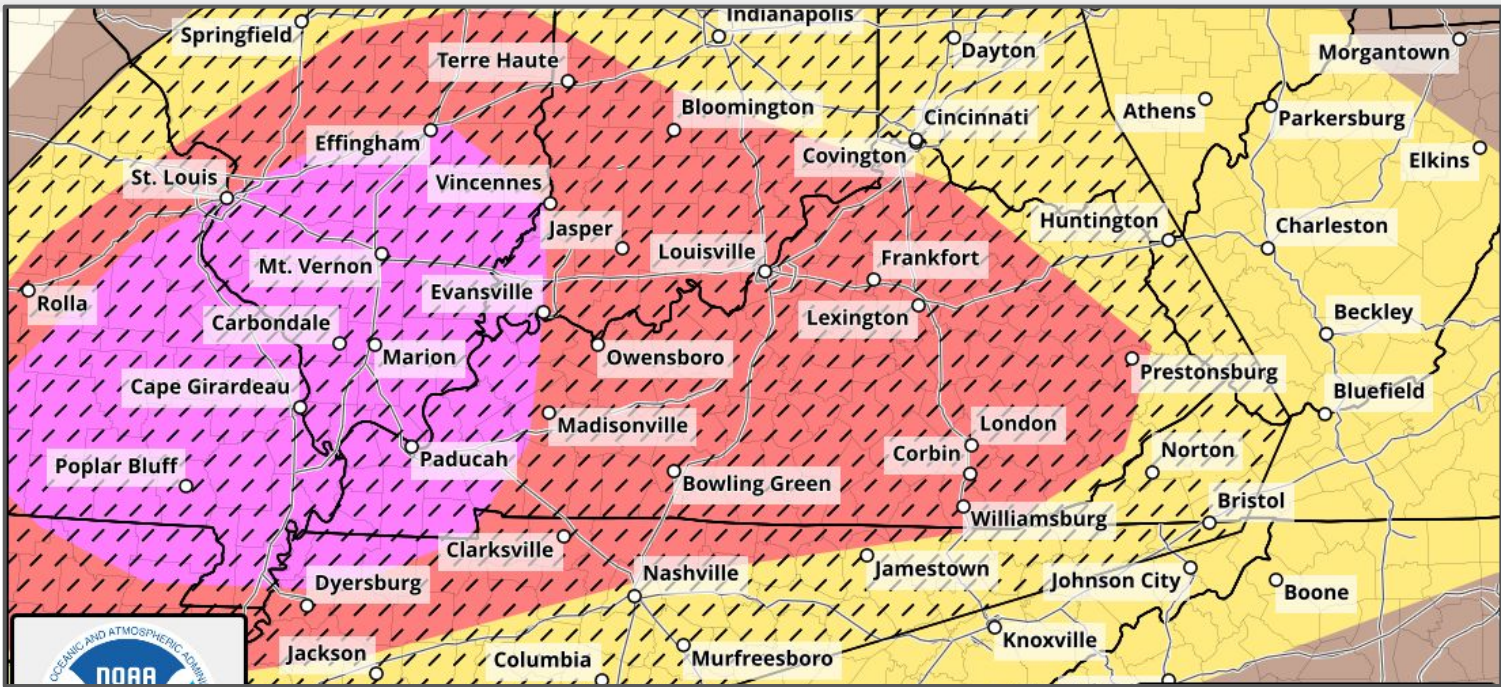
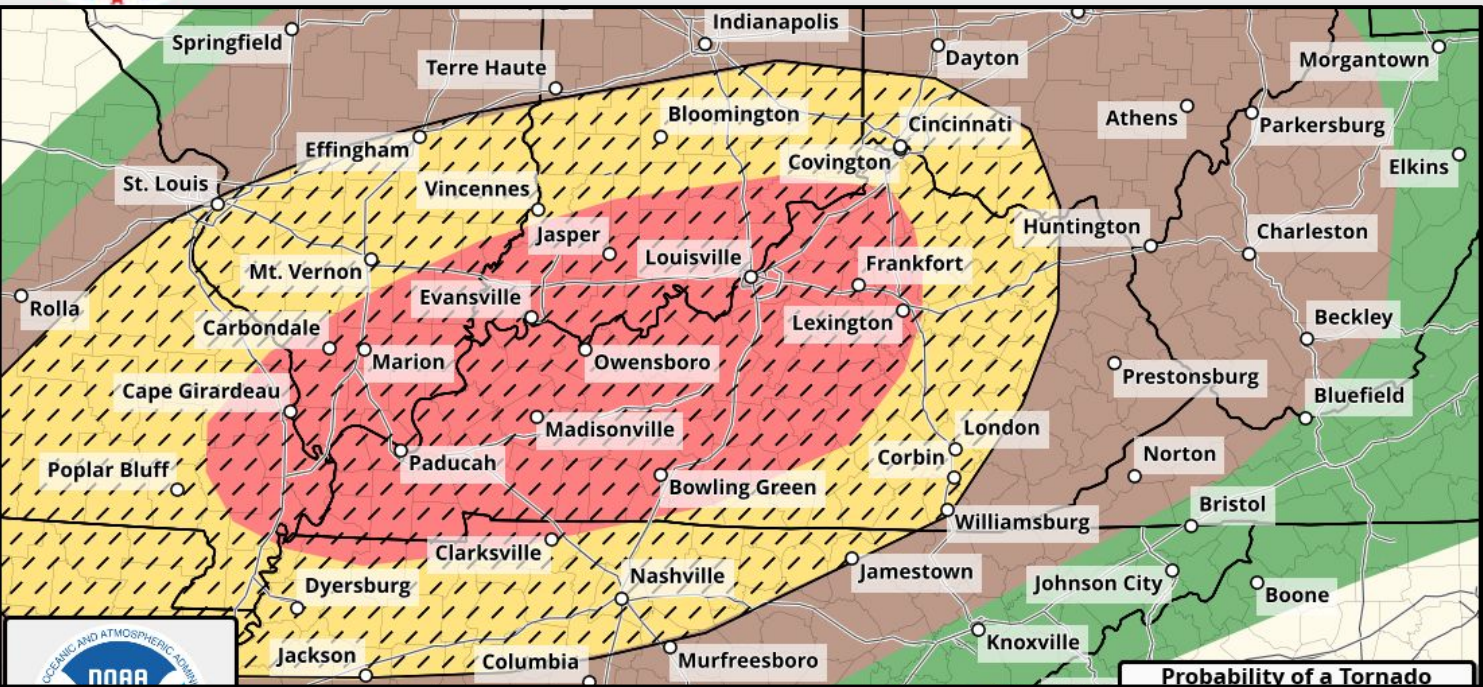
LEVEL	CATEGORY	DETAILS	SUMMARY	How many severe storms are possible?	How bad could the worst storms be?	DEFINITIONS
	General Thunderstorm	Although severe weather is not expected, <i>all</i> thunderstorms can produce deadly lightning, gusty winds, and small hail.	No severe thunderstorms expected		Similar to storms your area experiences many times per year	Severe Storm Any storm that contains at least one of the following: Wind gusts of at least 58 mph . Hail at least one inch in diameter .
1	Marginal (MRGL)	Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.	Isolated severe storms possible		Similar to storms your area may experience several times per year	
2	Slight (SLGT)	Increased confidence that some storms will contain damaging winds, severe hail, and/or tornado potential. <i>A few severe storms could be significant</i>	Isolated to scattered severe storms expected		Similar to storms your area may experience a few times per year	
3	Enhanced (ENH)	High confidence that several storms will contain damaging winds, severe hail, and/or tornadoes. <i>Several severe storms could be significant</i>	Scattered to numerous severe storms expected		Similar to intense storms your area may only experience once or twice per year	Significant Severe Any of the following hazards: Wind gusts of at least 75 mph . Hail at least two inches in diameter . Tornado of at least EF-2 rating
4	Moderate (MDT)	High confidence that many storms will contain damaging winds, severe hail, and/or tornadoes. <i>Several severe storms likely to be significant</i>	Scattered to numerous severe storms expected		Similar to intense storms your area may only experience once per year or less	
5	High (HIGH)	High confidence that an outbreak of storms will contain tornadoes, damaging winds, and/or severe hail. <i>Tornado outbreak and/or widespread damaging winds</i>	Numerous severe storms expected		Very intense storms your area may only experience once or twice in a lifetime	



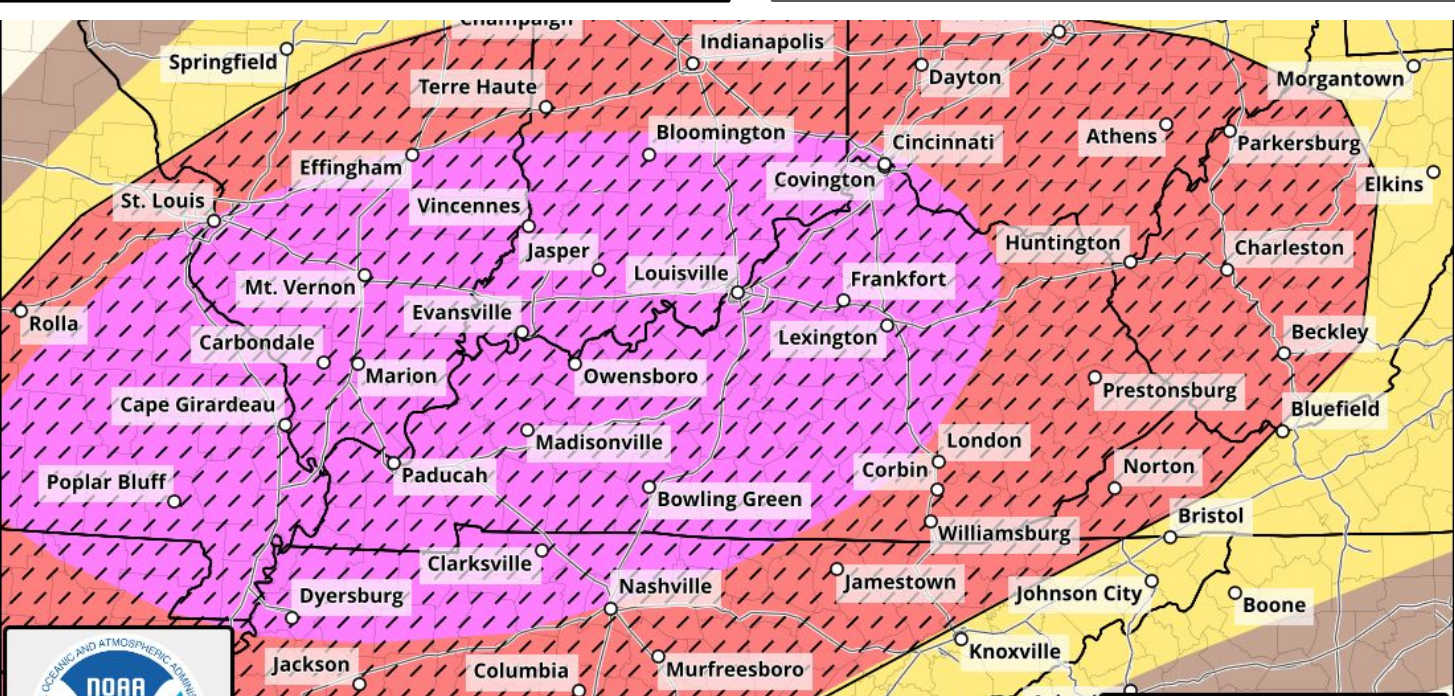
Today's Severe Hazard Probabilities

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All Hazards Are Possible



Tornado ↑
Hatched Area: $\geq 10\%$ of a significant tornado (EF2 -EF5) within 25 miles of a point.



Hail ↑
Hatched Area: $\geq 10\%$ of significant hail ($\geq 2''$) within 25 miles of a point.

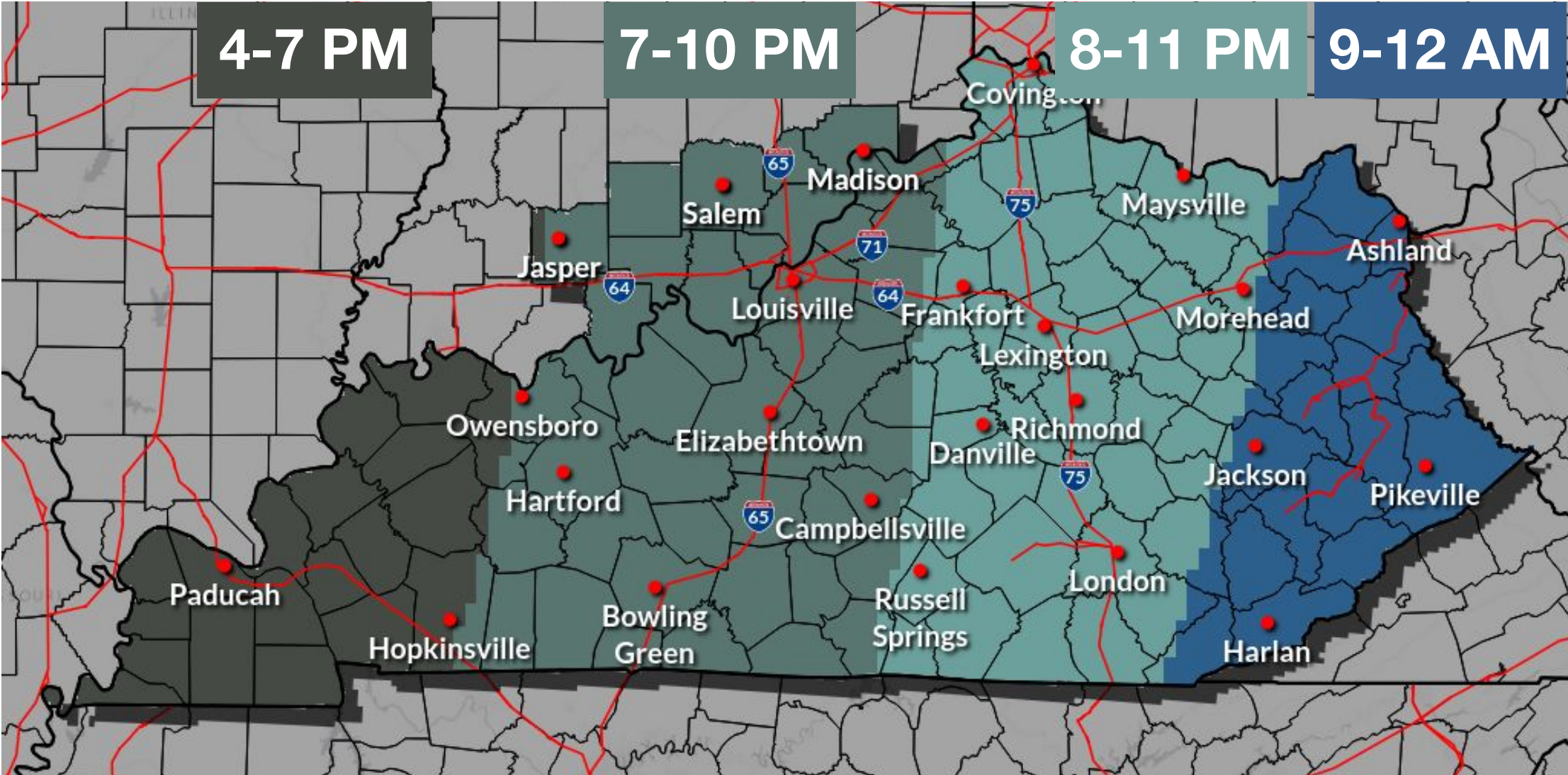
← **Wind**
Hatched Area: $\geq 10\%$ of significant wind gusts (≥ 74 mph) within 25 miles of a point.



Start Time of Highest Severe Threat

May 16, 2025
3:35 PM

All Times Eastern Time (EDT)



Timing Confidence





Flood Watch Today/Tonight

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Flash Flooding Possible

Key Messages

- Repeated rounds of storms will bring a flash flood threat this afternoon and tonight especially in the Flood Watch area
- Additional rainfall amounts of 0.5 to 2 inches with locally higher amounts are possible through late tonight
- Minor flooding is possible on the Green River this weekend



Overall Confidence

Low

Medium

High



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

National Weather Service
Louisville, KY



Excessive Rainfall Outlook Today/Tonight

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Slight (Level 2/4) risk for flash flooding

Key Messages

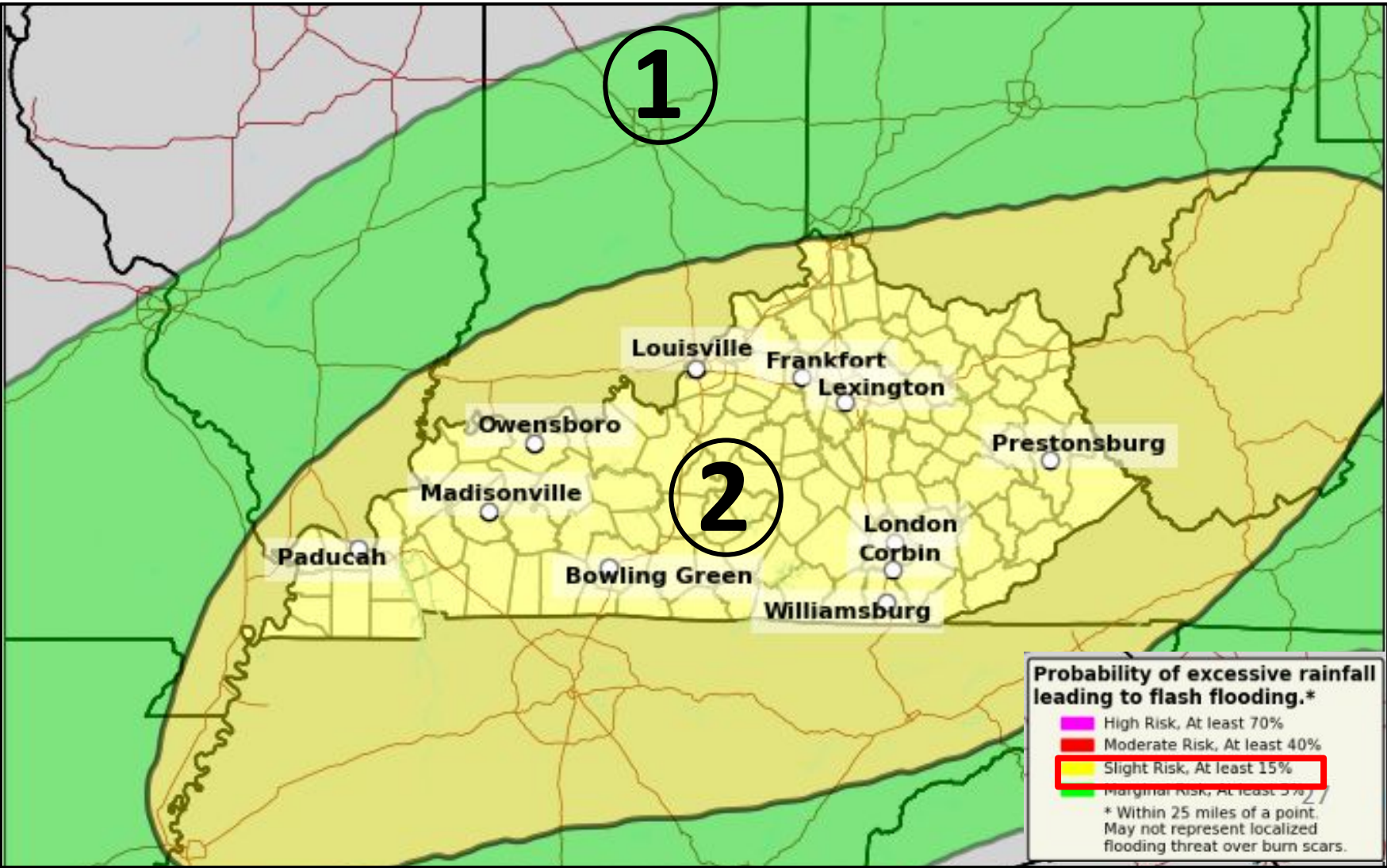
- Localized flash flooding threat (Level 2/4 Risk)
- Flash flooding most likely in urban areas, roads, small streams, and poor drainage areas

Overall Confidence

Low

Medium

High





Hail Size Chart



While the National Weather Service encourages the actual measurement of hail size, oftentimes, an object-to-size conversion can provide important information about hail that fall from thunderstorms. Below you will find a list of common objects used to describe the diameter of observed hail.



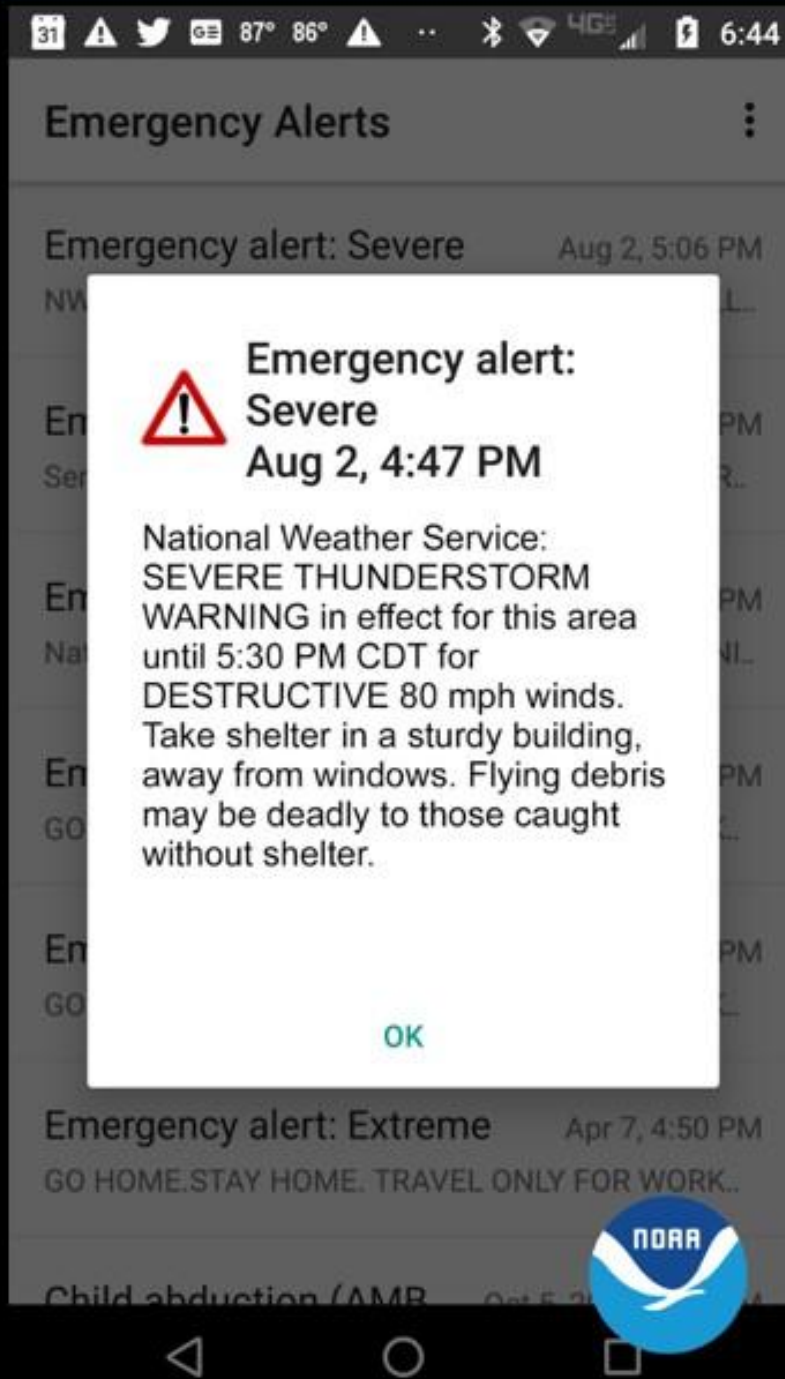
0.25 inches		2.00 inches	
Pea		Lime	
0.75 inches		2.50 inches	
Penny		Tennis Ball	
1.00 inches		2.75 inches	
Quarter		Baseball	
1.50 inches		4.00 inches	
Ping Pong Ball		Softball	
1.75 inches		4.50 inches	
Golf Ball		Grapefruit	

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



Have multiple ways to get warnings [weather.gov](https://www.weather.gov)





Turning on Smartphone WEA Alerts:

For iPhone:

- **Settings**
- **Notifications**
- **Scroll down to Emergency Alerts**
- **Make sure all are turned on (green)**

For Android:

- **Settings**
- **Connections**
- **More Connection Settings**
- **Wireless Emergency Alerts**
- **Tap 3 dots in upper-right corner and choose settings**
- **Make sure all are turned on**

Make sure your phone is charged, ringer is on, and near you