

May 8, 2024  
10:51 AM

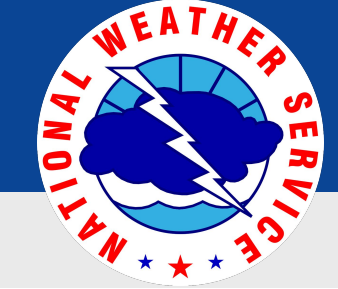
# NWS Memphis

## Severe Weather Briefing



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

National Weather Service  
Memphis, TN

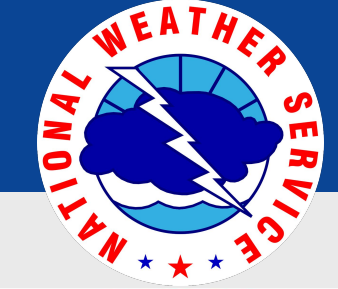


# Situation Overview

May 8, 2024  
10:51 AM

- Bottom line up front: Parts of the Mid-South have been upgraded to a **Moderate Risk (level 4/5)** for the overnight period tonight
- Destructive winds (80+ MPH), very large hail (2+ inches), and strong tornadoes are possible with these storms overnight
- A **Flood Watch** is in effect for northwest TN for 1.5-2 inches of rainfall overnight with locally higher amounts
- Another round of strong to severe storms is possible in portions of north MS tomorrow evening (Marginal Risk, level 1/5)





# Severe Weather Outlook

May 8, 2024  
10:51 AM

Tonight

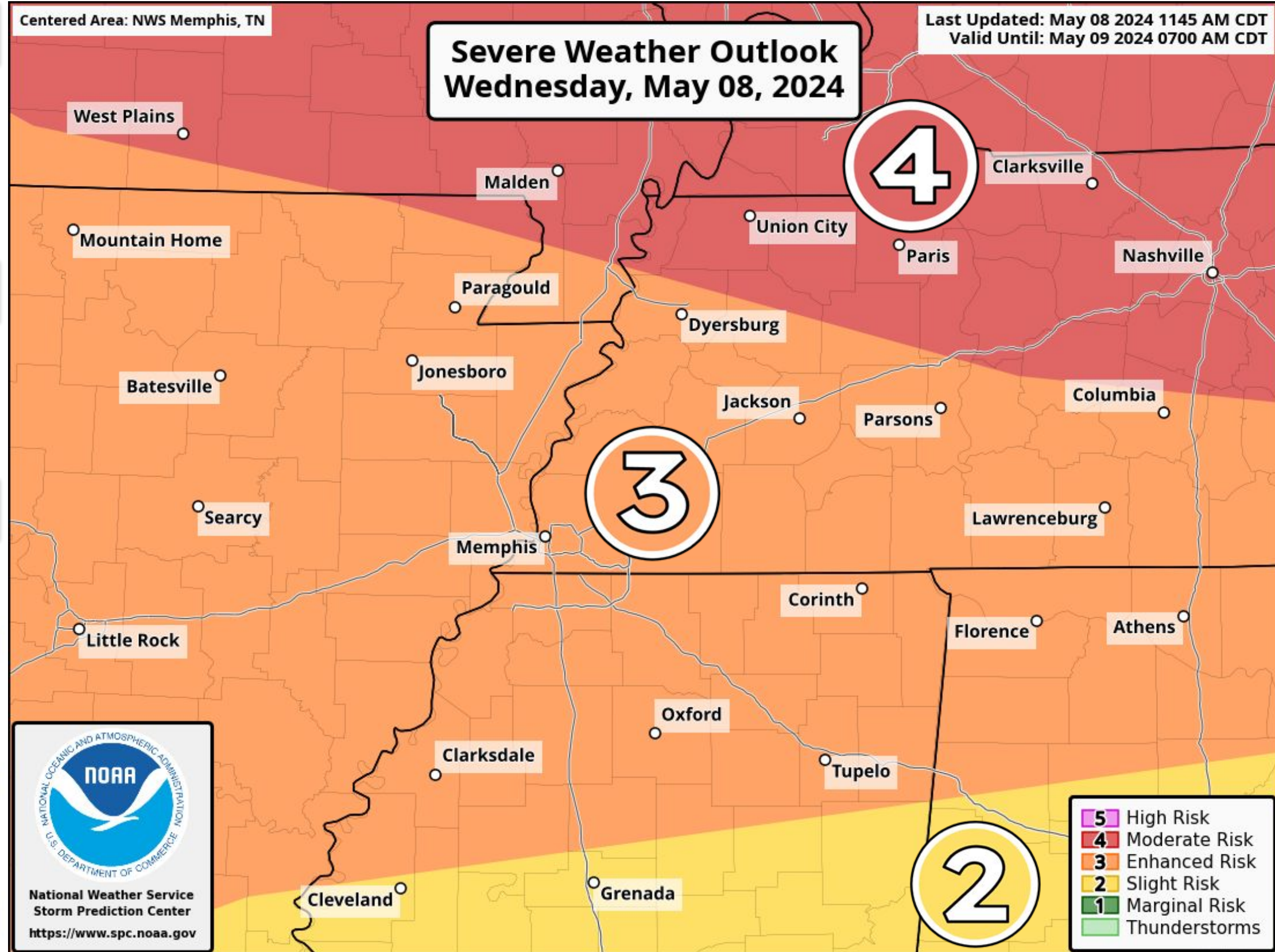
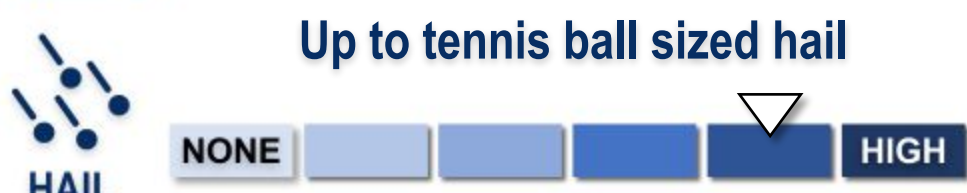
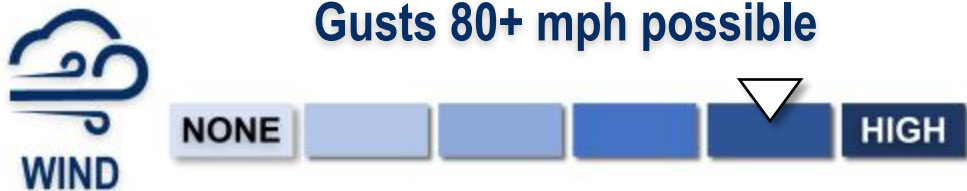
## HIGHEST LOCAL RISK

**4** Widespread severe storms possible

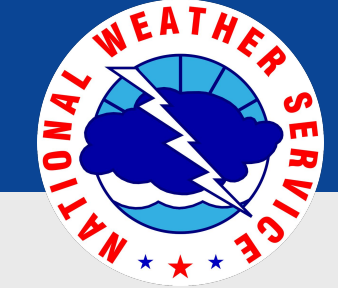
## TIMING

7PM tonight – 6AM Thu

## THREAT LEVELS



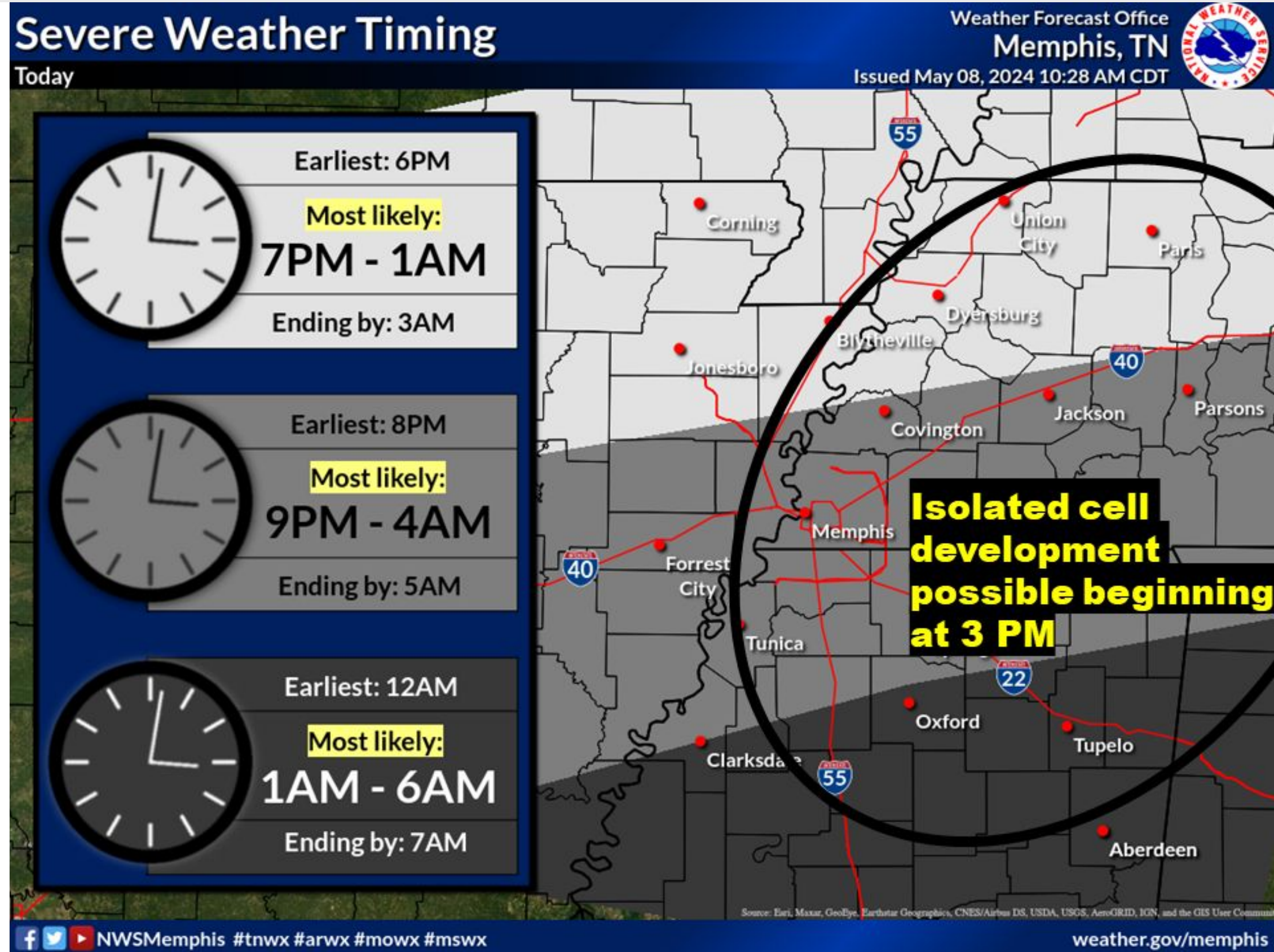
<b>1</b> MARGINAL	Limited in duration, coverage, and/or intensity
<b>2</b> SLIGHT	Short-lived and/or not widespread, isolated intense storms possible
<b>3</b> ENHANCED	More persistent and/or widespread, a few intense storms
<b>4</b> MODERATE	Long-lived, widespread and intense
<b>5</b> HIGH	Long-lived, very widespread and particularly intense

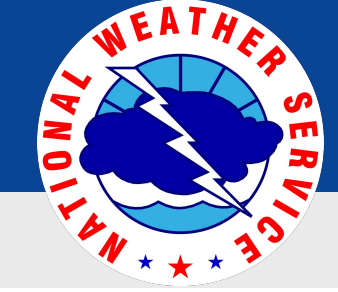


# Timing of Storms

May 8, 2024  
10:51 AM

For the main overnight period – some storms may develop earlier





# Time Series - Northeast AR

May 8, 2024  
10:51 AM



## 08 May 2024 Severe Weather Outlook Paragould, Arkansas

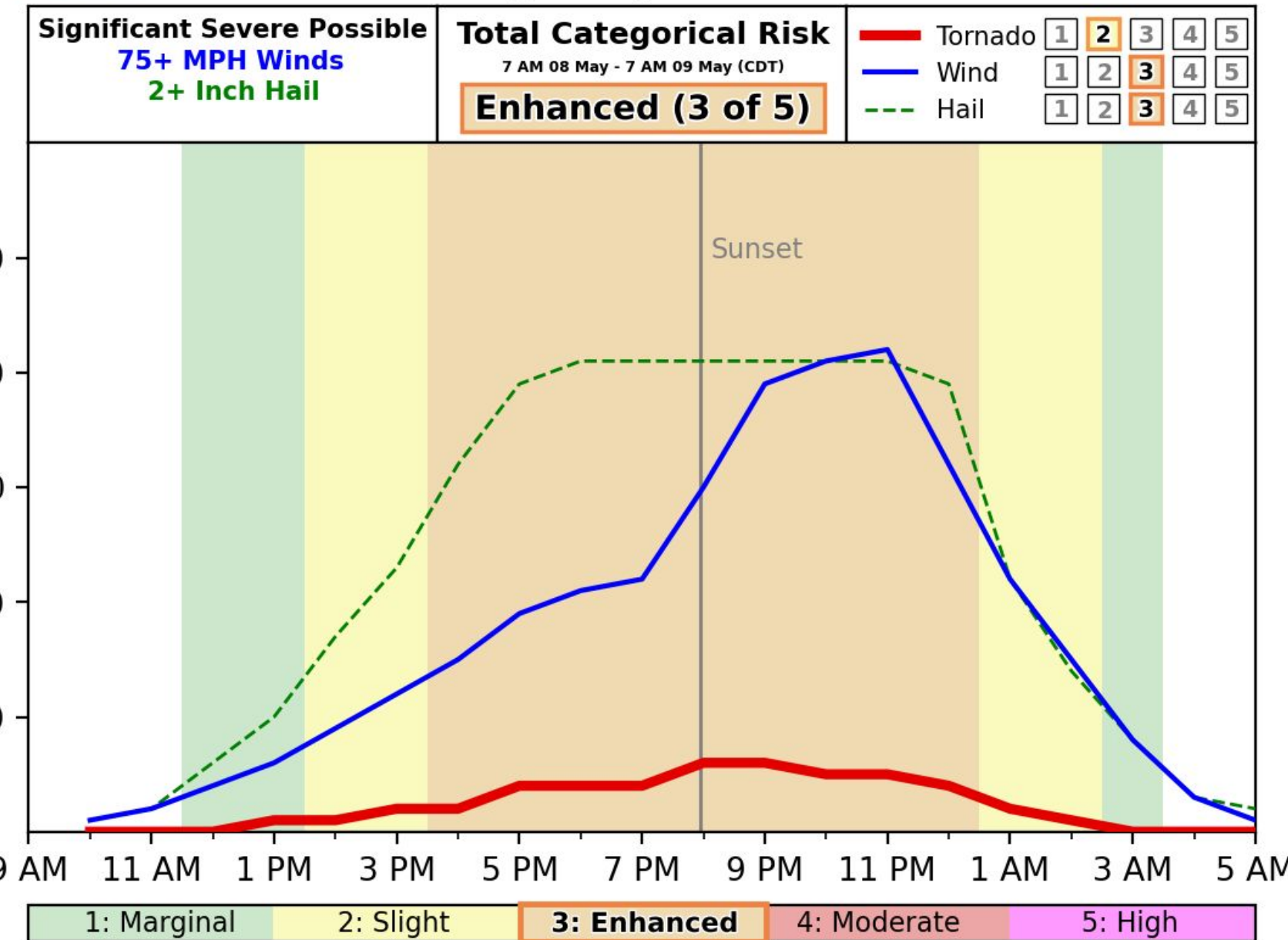
Created: 9:36 AM



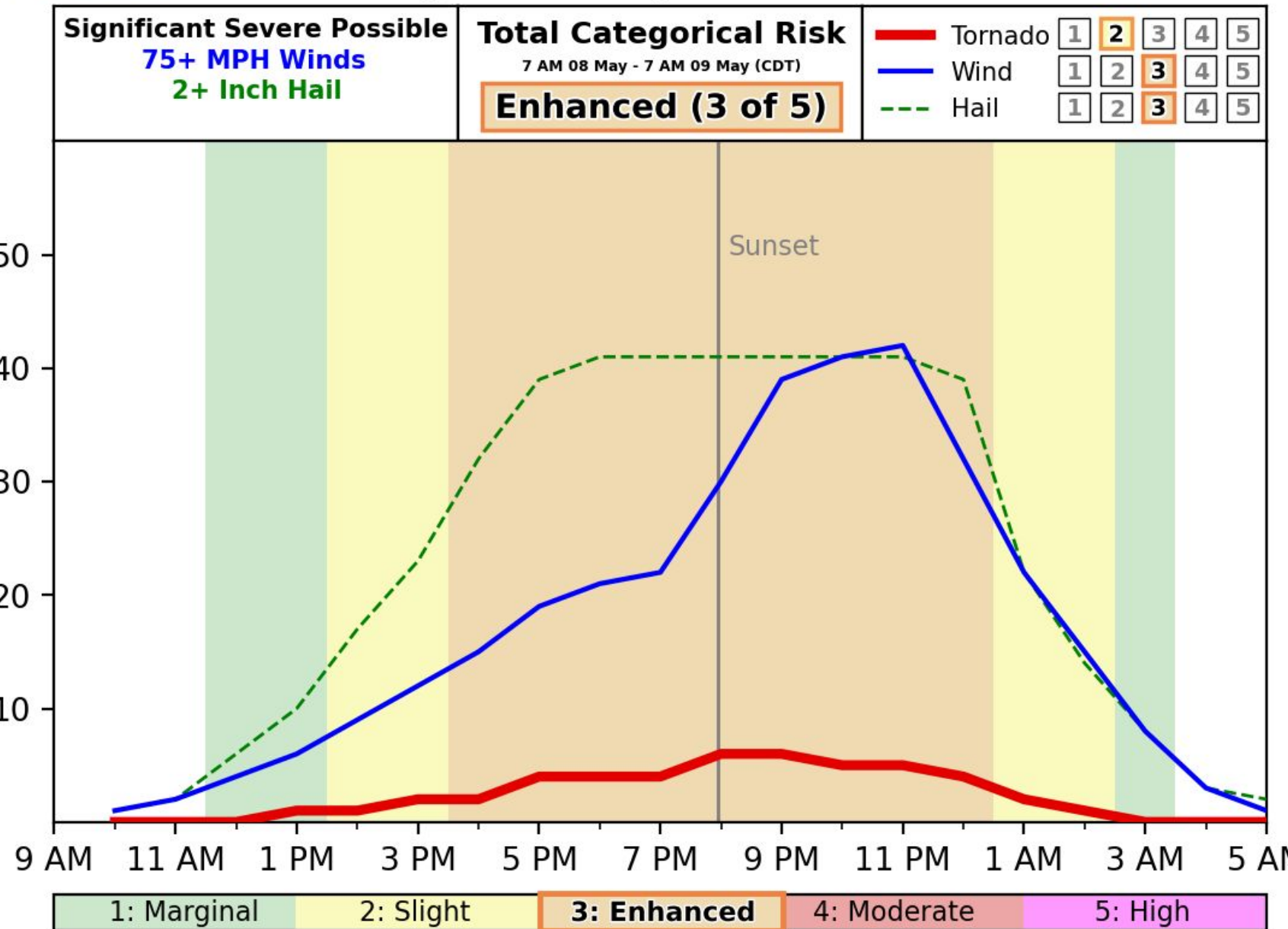
## 08 May 2024 Severe Weather Outlook Jonesboro, Arkansas

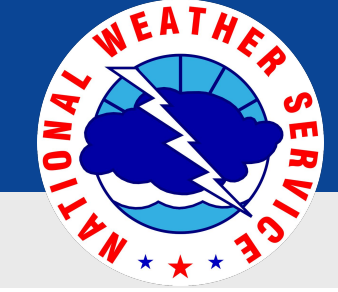
Created: 9:36 AM

Probability of Occurrence (%)  
within 25 miles



Probability of Occurrence (%)  
within 25 miles





# Time Series - West Tennessee

May 8, 2024  
10:51 AM



## 08 May 2024 Severe Weather Outlook Dyersburg, Tennessee

Created: 9:36 AM

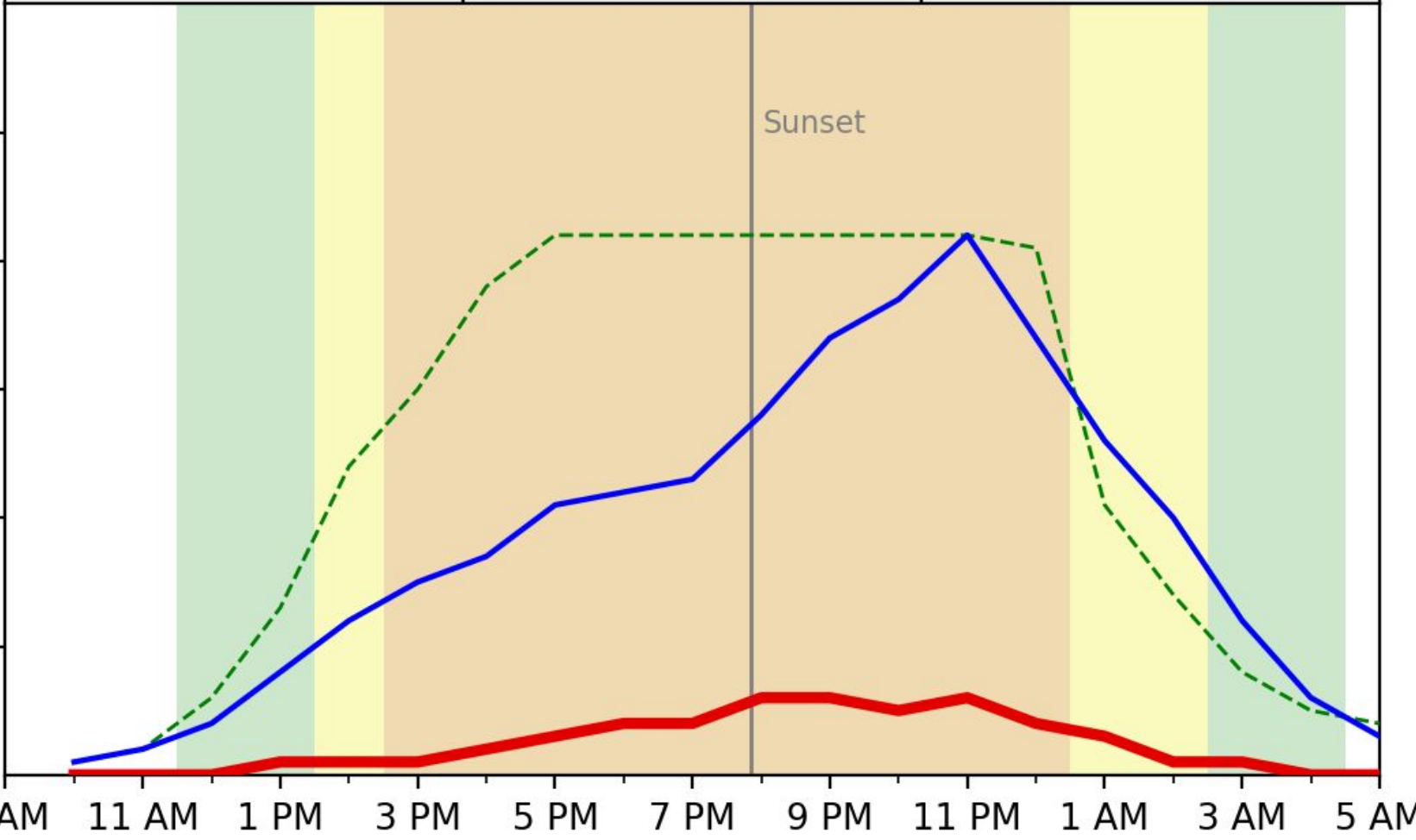


## 08 May 2024 Severe Weather Outlook Jackson, Tennessee

Created: 9:36 AM

Probability of Occurrence (%)  
within 25 miles

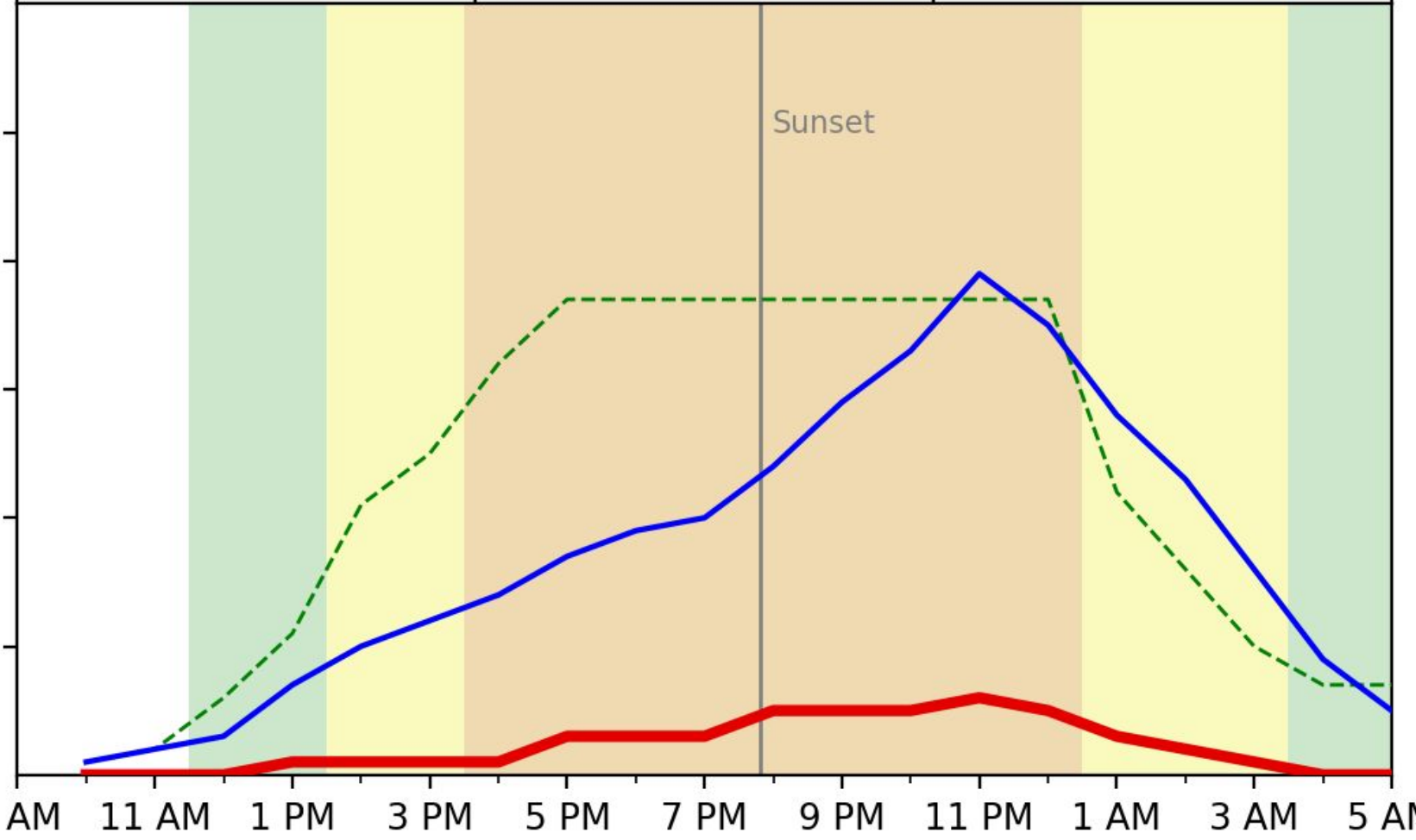
<b>Significant Severe Possible</b> <b>75+ MPH Winds</b> <b>2+ Inch Hail</b>	<b>Total Categorical Risk</b> 7 AM 08 May - 7 AM 09 May (CDT) <b>Enhanced (3 of 5)</b>	Tornado <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr></table>	1	2	3	4	5
		1	2	3	4	5	
		Wind <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr></table>	1	2	3	4	5
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Hail <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr></table>	1	2	3	4	5		
1	2	3	4	5			



1: Marginal	2: Slight	3: Enhanced	4: Moderate	5: High
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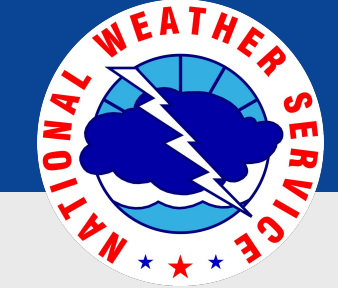
Probability of Occurrence (%)  
within 25 miles

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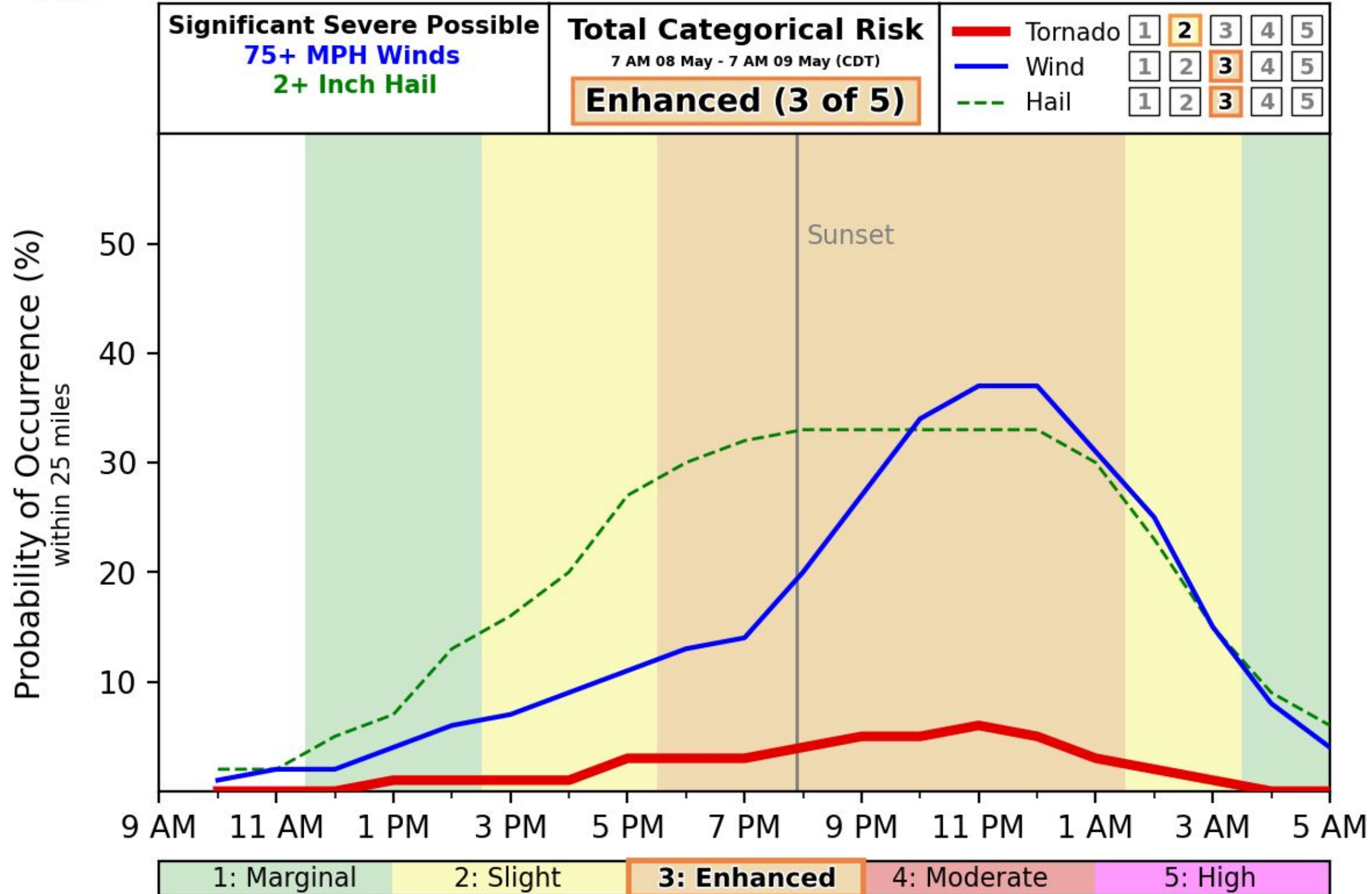
# Time Series - Memphis

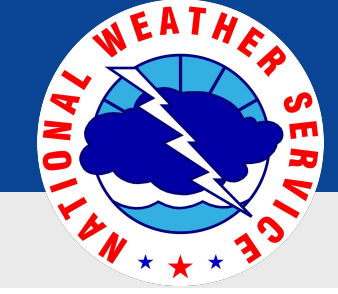
May 8, 2024  
10:51 AM



## 08 May 2024 Severe Weather Outlook Memphis, Tennessee

Created: 9:36 AM





# Time Series - North Mississippi

May 8, 2024  
10:51 AM



## 08 May 2024 Severe Weather Outlook Oxford, Mississippi

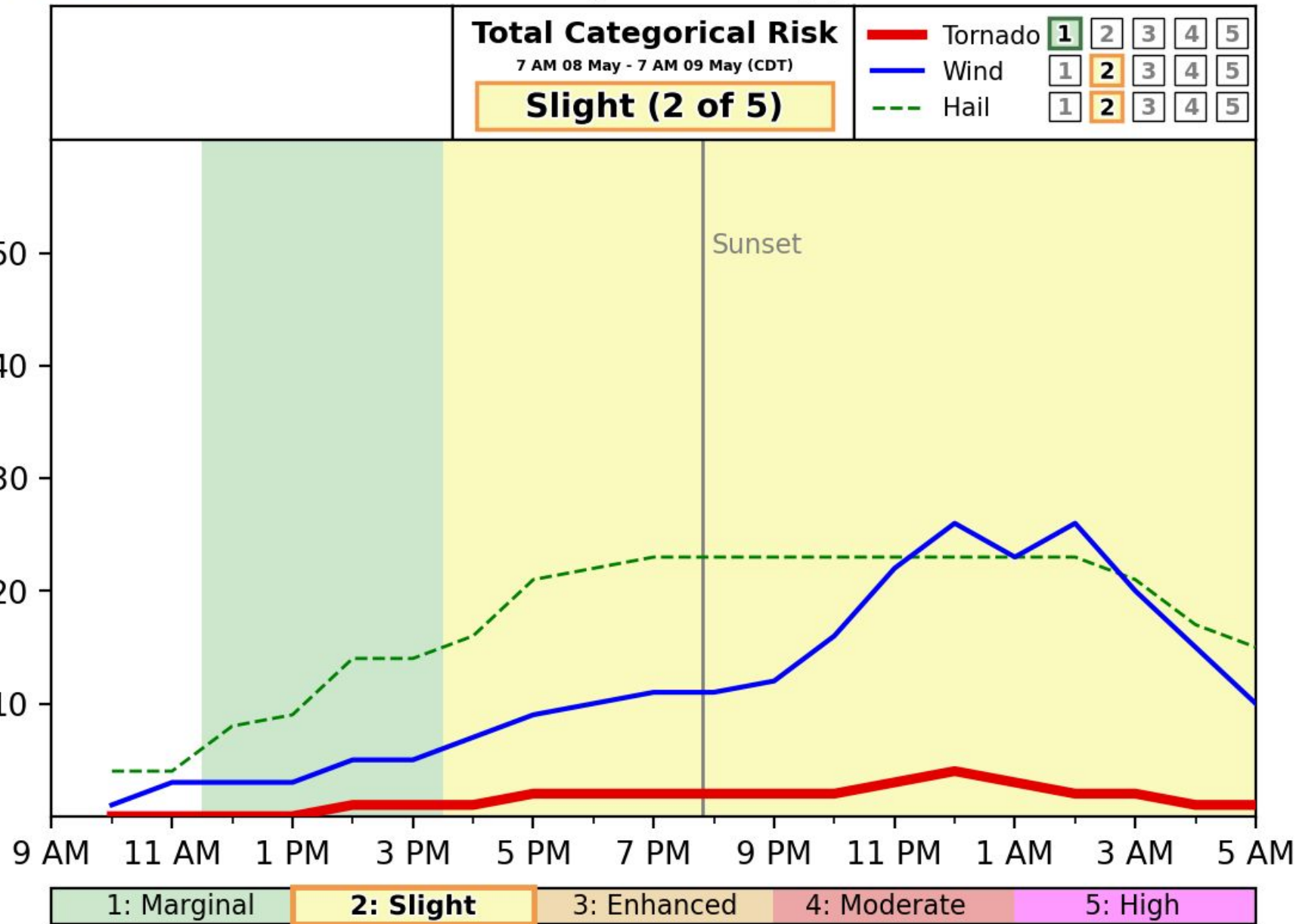
Created: 9:36 AM



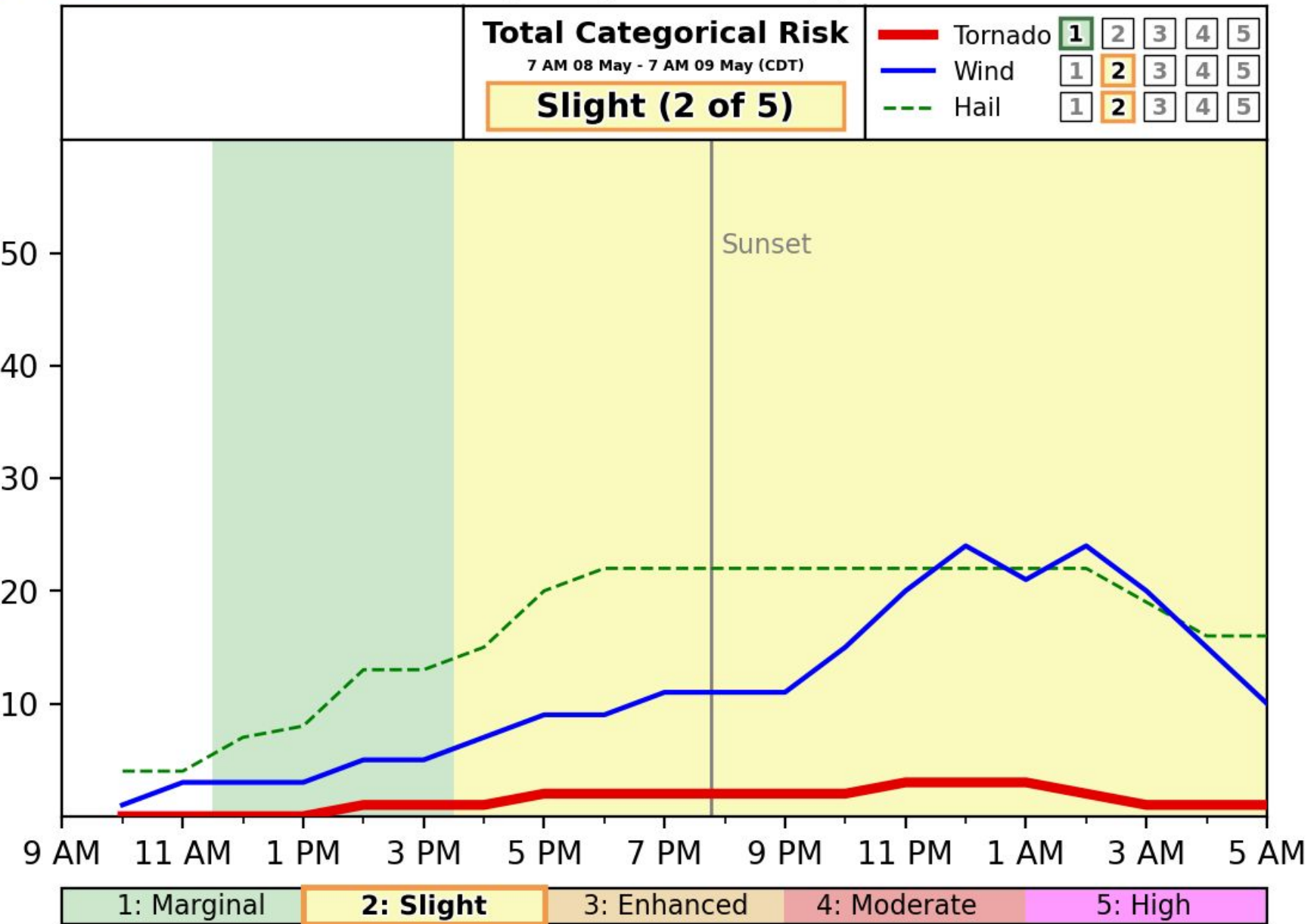
## 08 May 2024 Severe Weather Outlook Tupelo, Mississippi

Created: 9:36 AM

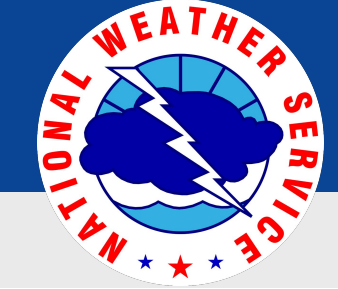
Probability of Occurrence (%)  
within 25 miles



Probability of Occurrence (%)  
within 25 miles



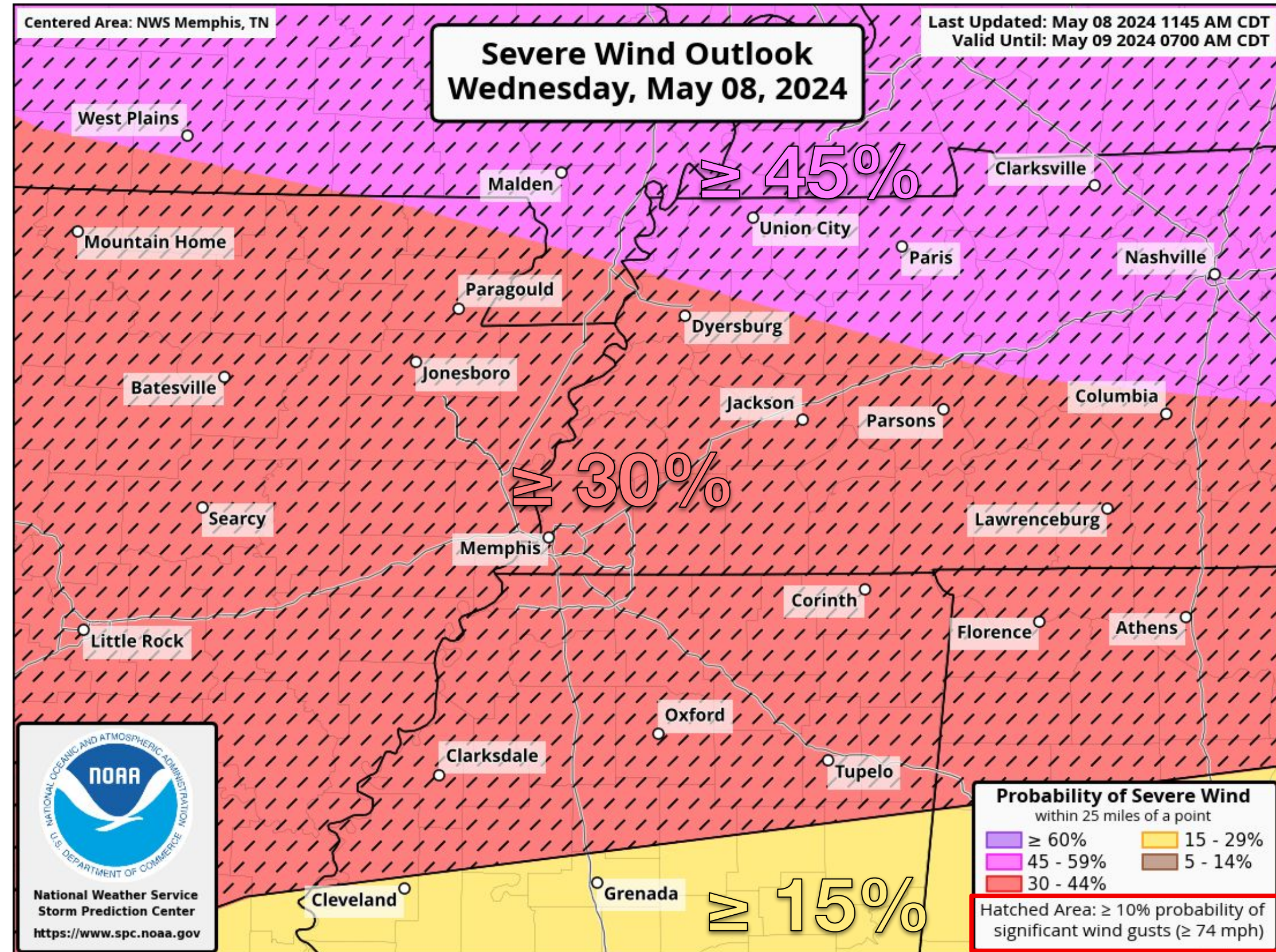




# Damaging Wind Threat

May 8, 2024  
10:51 AM

Tonight



## TIMING



8PM tonight – 7AM Thu

## POTENTIAL IMPACTS



**Destructive** winds could blow down trees and powerlines

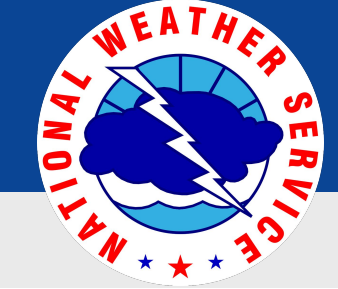
Possible significant property damage to vehicles & structures

## WHAT TO DO



Move away from windows and secure loose items

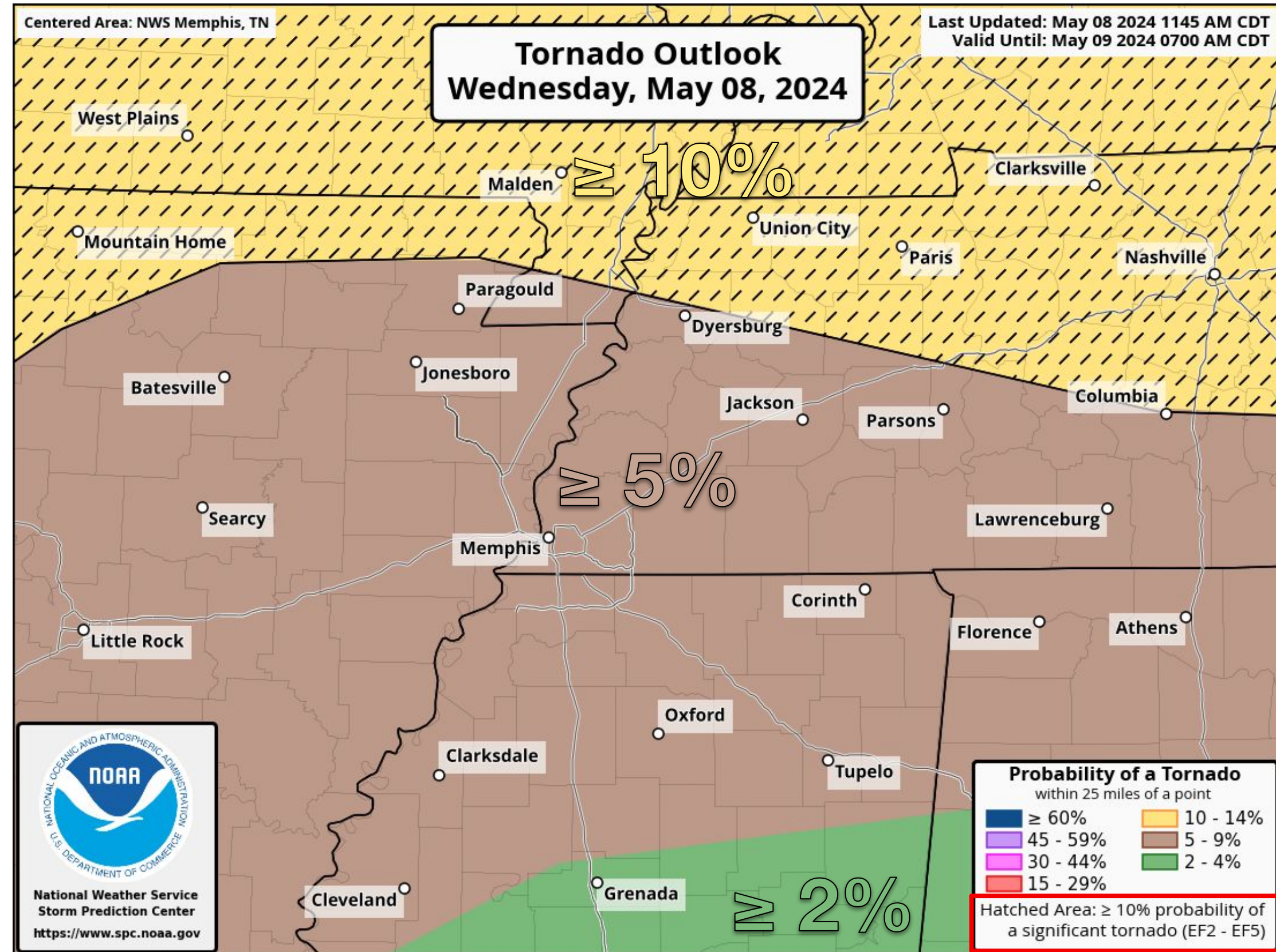
Have a plan to take shelter if a warning is issued



# Tornado Threat

May 8, 2024  
10:51 AM

Tonight



## TIMING



8PM tonight – 7AM Thu

## POTENTIAL IMPACTS



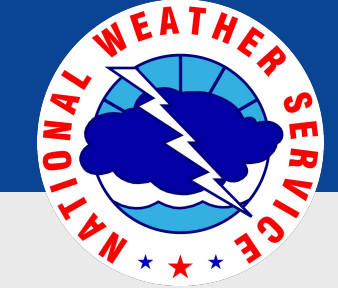
Tornadoes could spin up quickly and become strong  
Possible property damage to vehicles and structures

## WHAT TO DO



Have multiple ways to receive warnings  
If a warning is issued, take shelter in an interior room

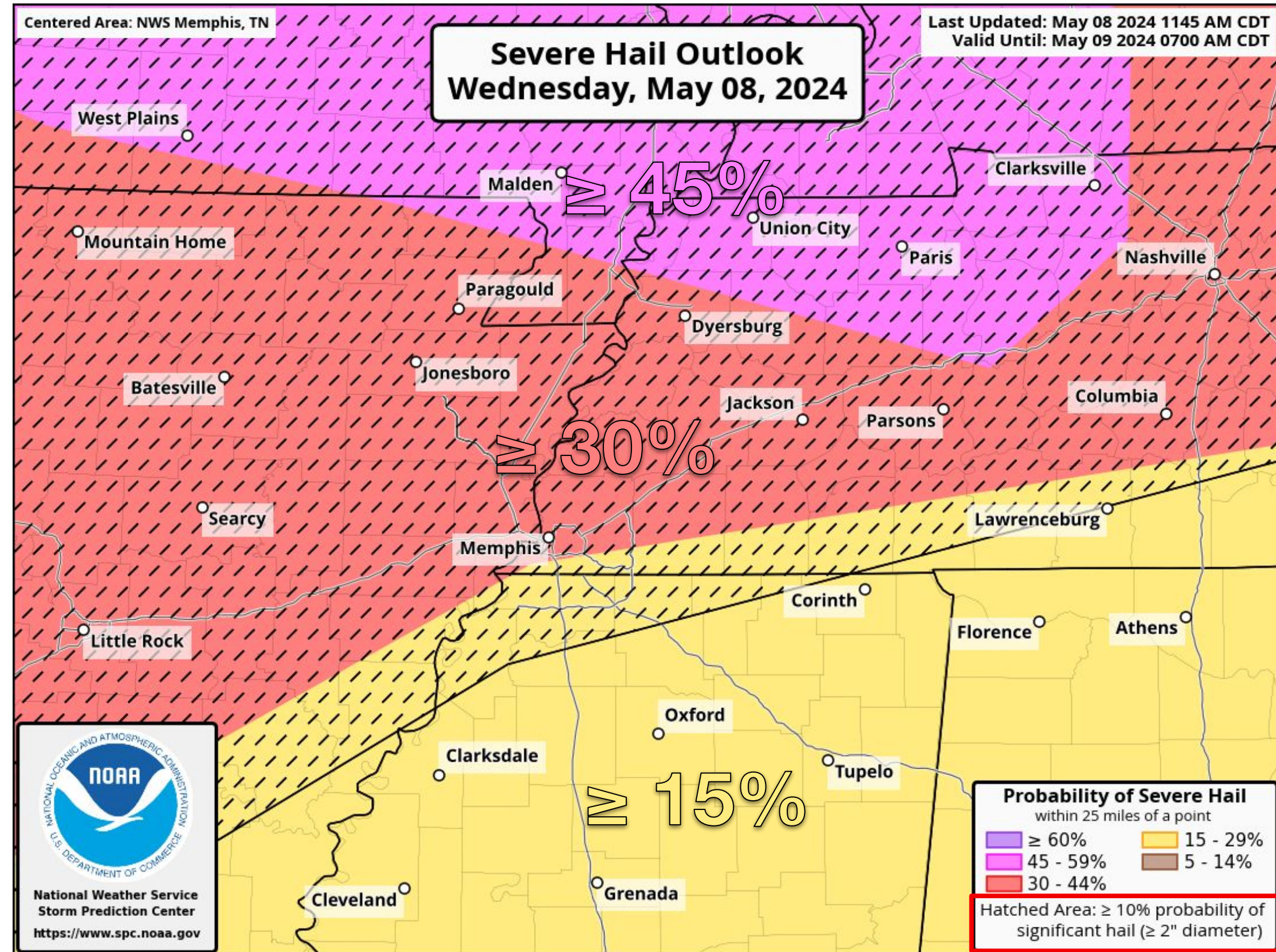




# Large Hail Threat

May 8, 2024  
10:51 AM

Tonight



## TIMING



8PM tonight – 7AM Thu

## POTENTIAL IMPACTS



**Very large hail** (2+ inches) may injure people caught outdoors

Possible significant property damage to vehicles & structures

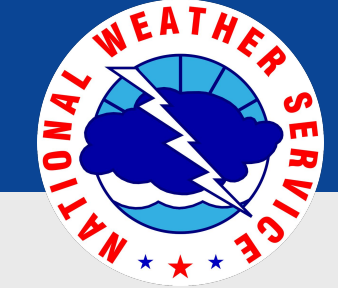
## WHAT TO DO



Stay away from windows and park your vehicle under cover

Have a plan to take shelter if needed





# Flood Watch

May 8, 2024  
10:51 AM

## Flood Watch

Weather Forecast Office  
**Memphis, TN**  
Issued May 08, 2024 5:30 AM CDT

WHAT

1.5-2 inches of rainfall with locally higher amounts

WHEN

Now - 7AM tomorrow

IMPACTS

Flash flooding of urban areas and low-lying or poor drainage areas

ACTIONS

Have multiple ways to receive warnings

[f](#) [t](#) [v](#)

[NWSMemphis](#) [#tnwx](#) [#arwx](#) [#mowx](#) [#mswx](#)

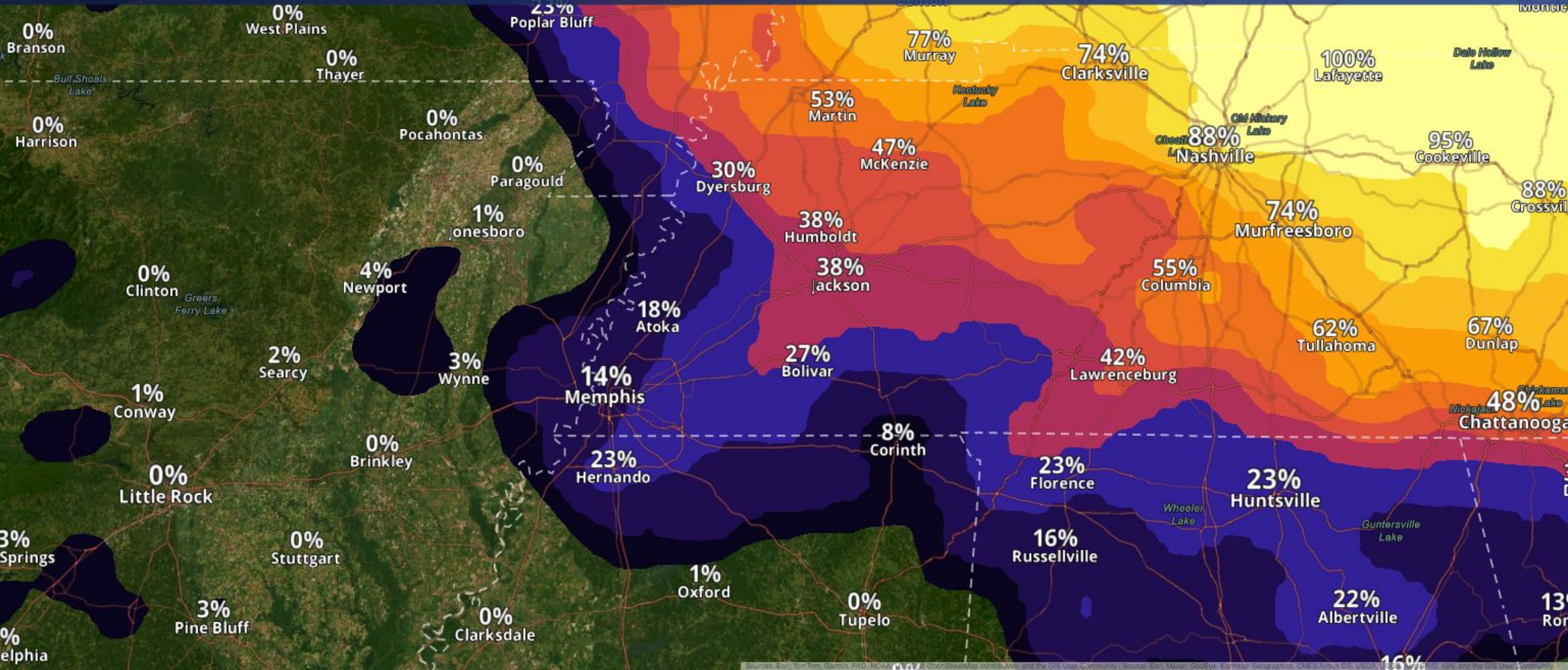
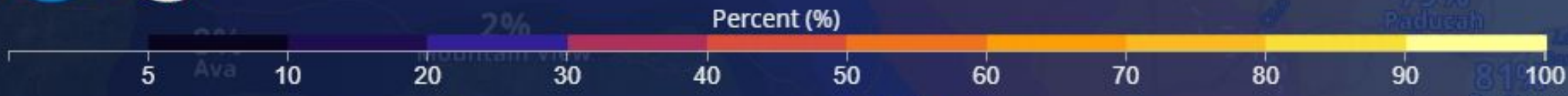
[weather.gov/memphis](http://weather.gov/memphis)

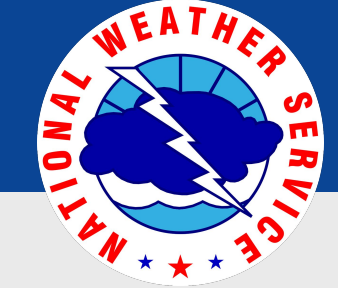


# Probability of 2+ inches of rain through tomorrow

Thu, May 9, 2024, 8 am CDT

Issued: Wed, May 8, 2024, 10 am CDT





# Excessive Rainfall Outlook

May 8, 2024  
10:51 AM

Tonight

## HIGHEST LOCAL RISK

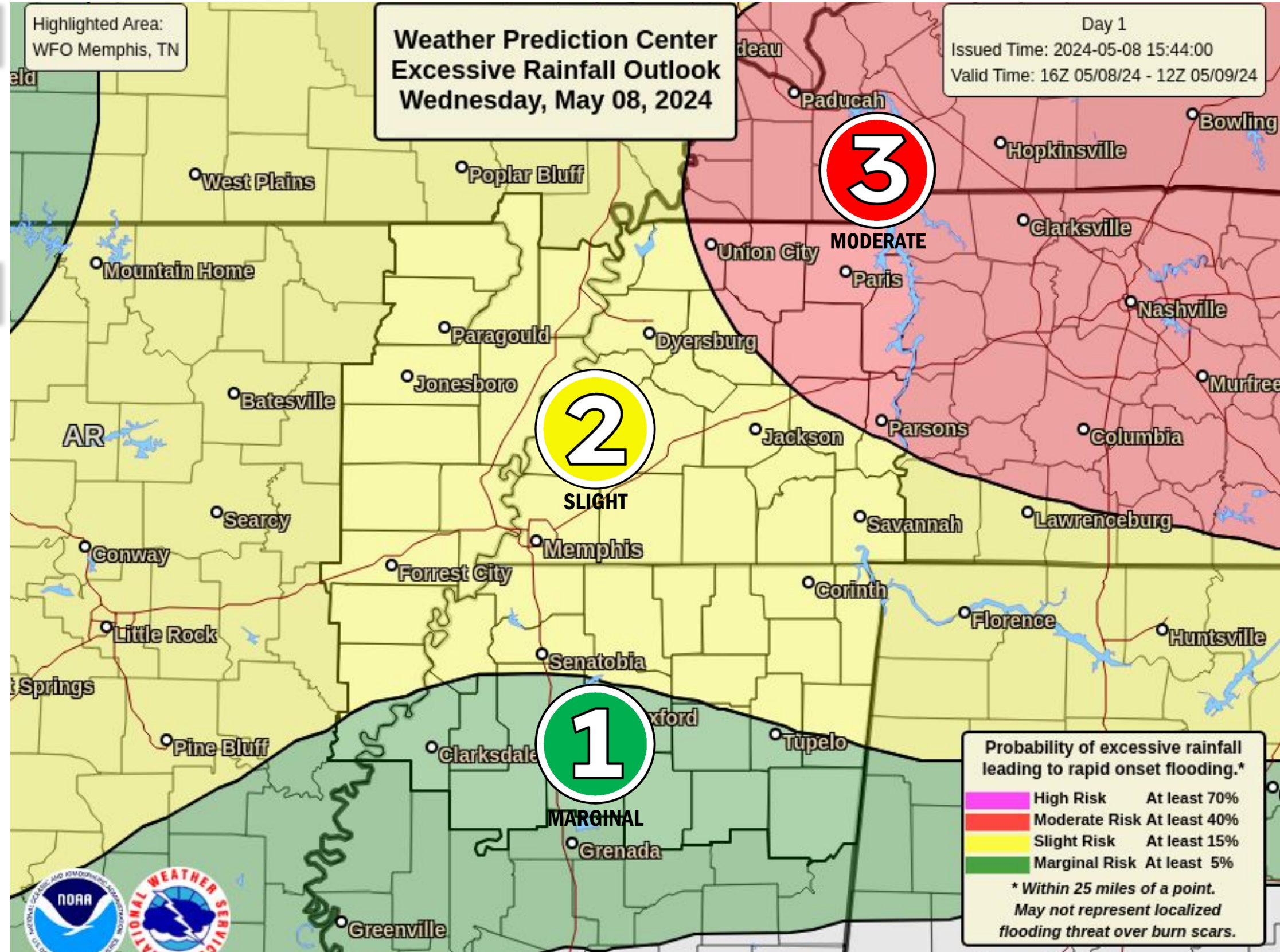


MODERATE

Numerous flash floods *likely*

## TIMING

Late tonight – early Thu morning



HAVE MULTIPLE  
WAYS TO RECEIVE  
WARNINGS



NEVER WALK  
INTO  
FLOODWATERS



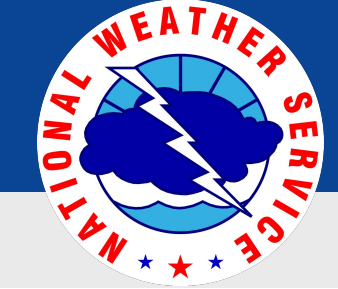
TURN AROUND,  
DON'T DROWN

**MARGINAL** **1** Localized and primarily affecting places that can experience rapid runoff with heavy rainfall

**SLIGHT** **2** Mainly localized. Most vulnerable are urban areas, roads, and small streams

**MODERATE** **3** Numerous flash flooding events with significant events possible. Larger rivers could be affected

**HIGH** **4** Severe, widespread flash flooding. Lives and property in great danger



# Severe Weather Outlook

May 8, 2024  
10:51 AM

Tomorrow (Thursday)

## HIGHEST LOCAL RISK



Isolated severe storms *possible*

## TIMING

Late afternoon / evening

## PRIMARY THREATS



DAMAGING WIND

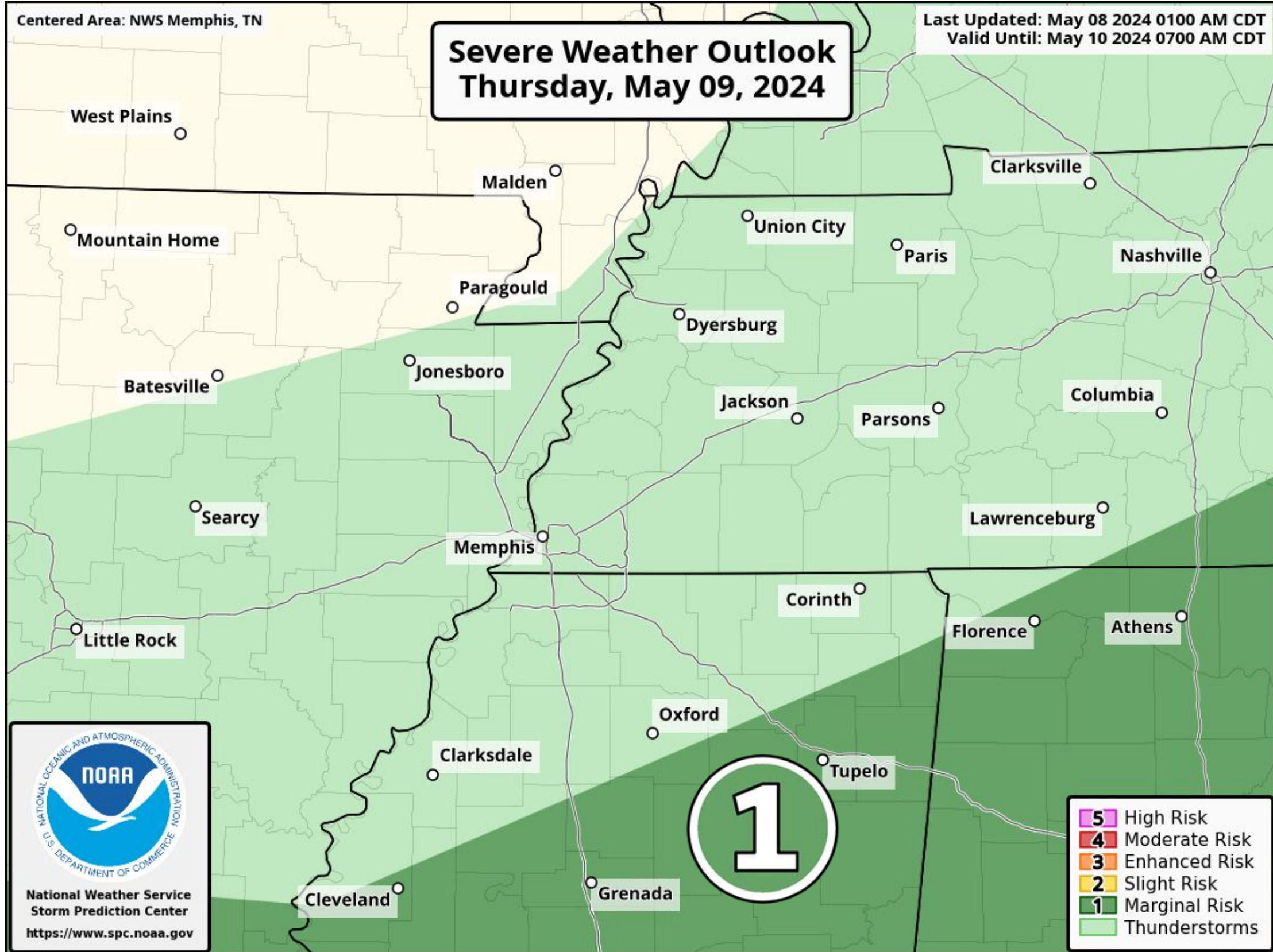


LARGE HAIL

## SECONDARY THREATS



HEAVY RAIN



MARGINAL

Limited in duration, coverage, and/or intensity



SLIGHT

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



ENHANCED

More persistent and/or widespread, a few intense storms



MODERATE

Long-lived, widespread and intense



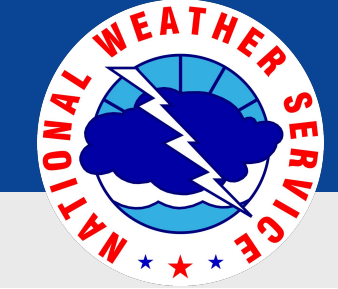
HIGH

Long-lived, very widespread and particularly intense



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

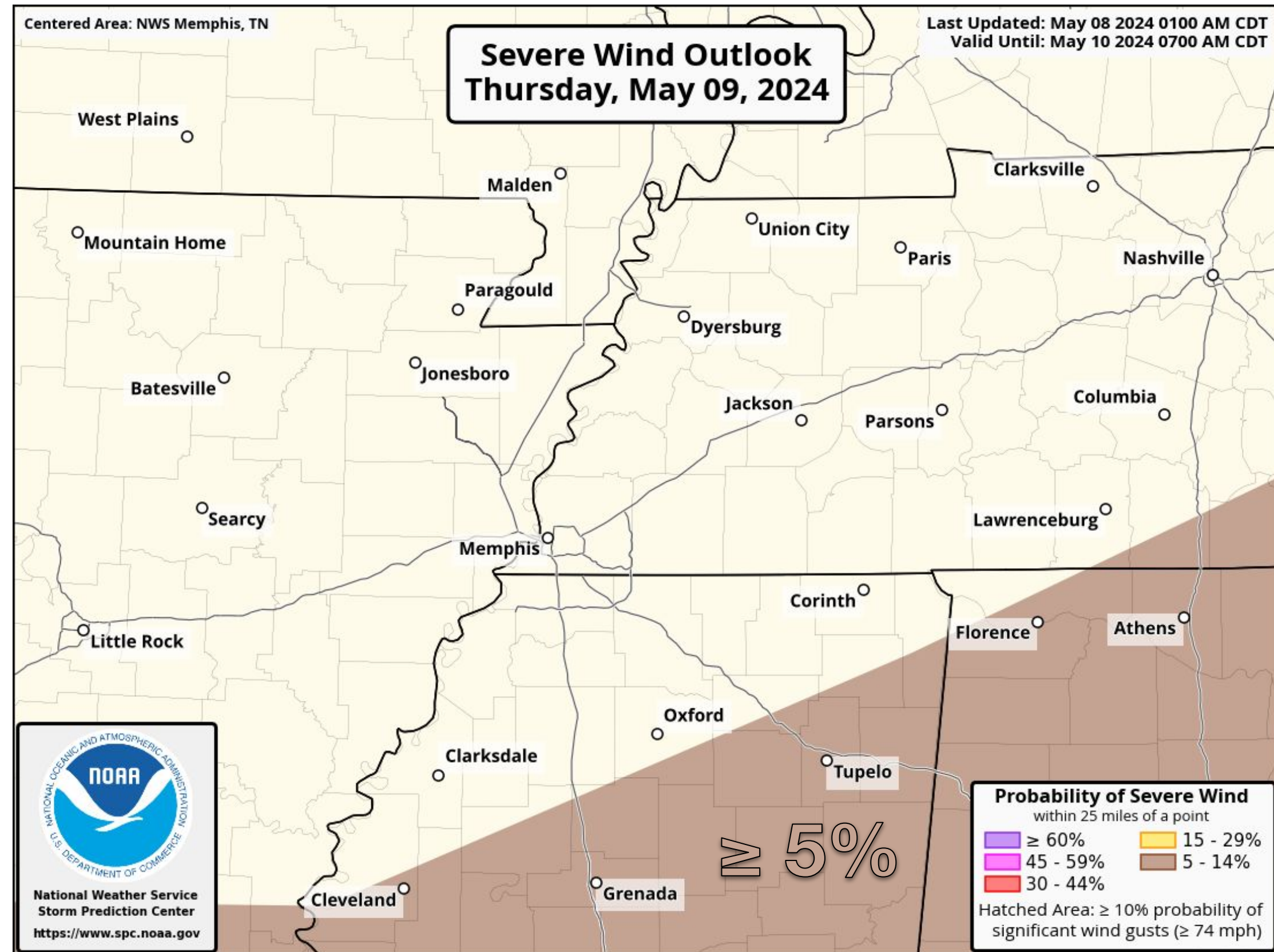
National Weather Service  
Memphis, TN



# Damaging Wind Threat

May 8, 2024  
10:51 AM

Tomorrow



## TIMING



Late afternoon / evening

## POTENTIAL IMPACTS



Damaging winds may blow down a few trees and powerlines

Possible property damage to vehicles and structures

## WHAT TO DO

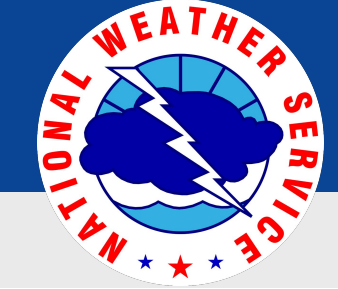


Move away from windows and secure loose items

Have a plan to take shelter if needed



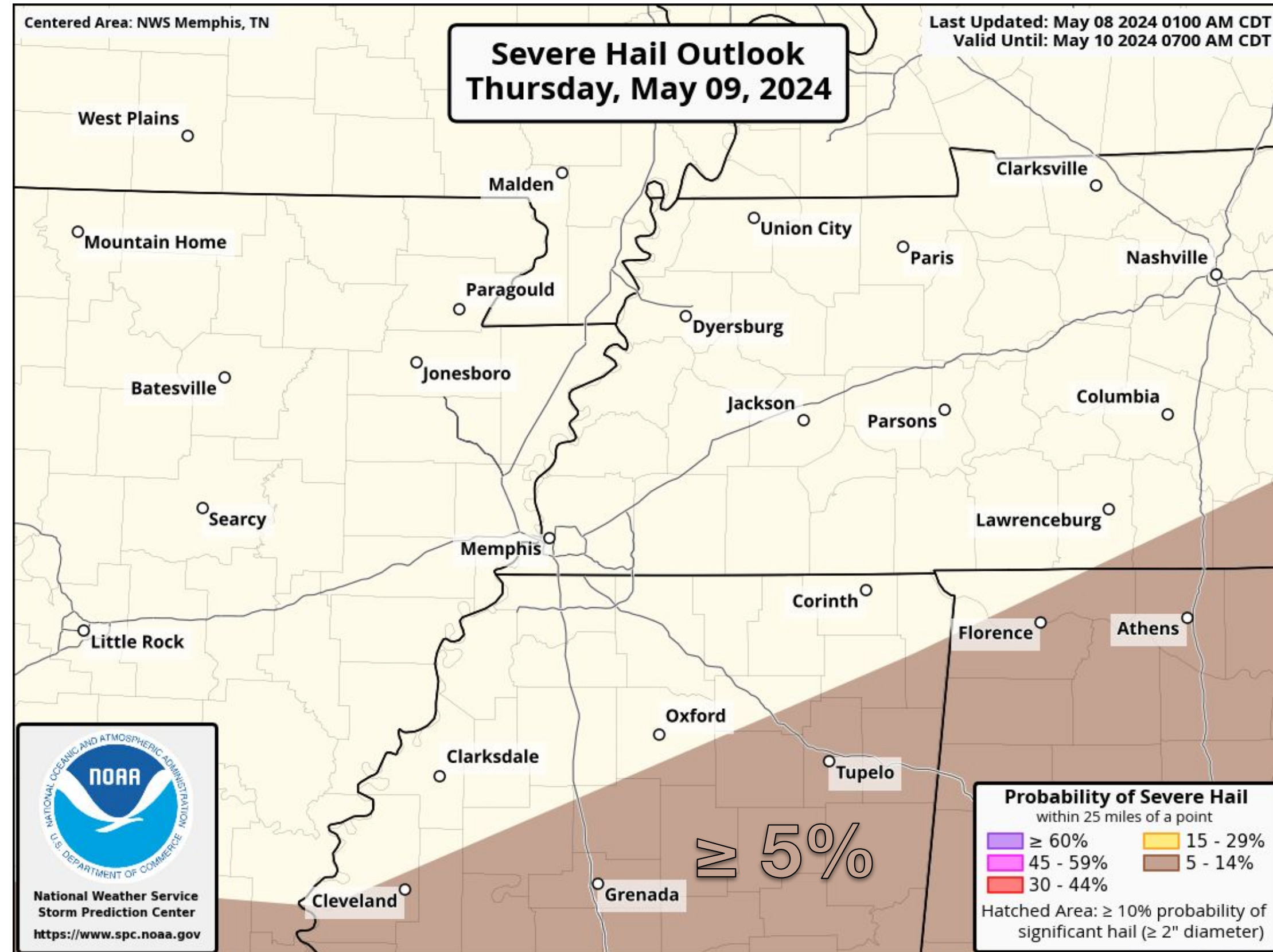




# Large Hail Threat

May 8, 2024  
10:51 AM

Tomorrow



## TIMING



Late afternoon / evening

## POTENTIAL IMPACTS



Large hail may injure people caught outdoors

Possible property damage to vehicles and structures

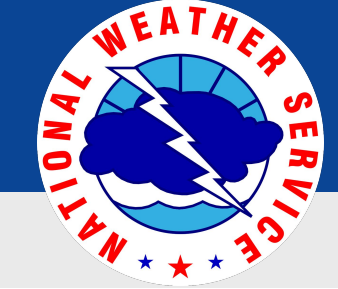
## WHAT TO DO



Stay away from windows and park your vehicle under cover

Have a plan to take shelter if needed





# Excessive Rainfall Outlook

May 8, 2024  
10:51 AM

Tomorrow (Thursday)

## HIGHEST LOCAL RISK

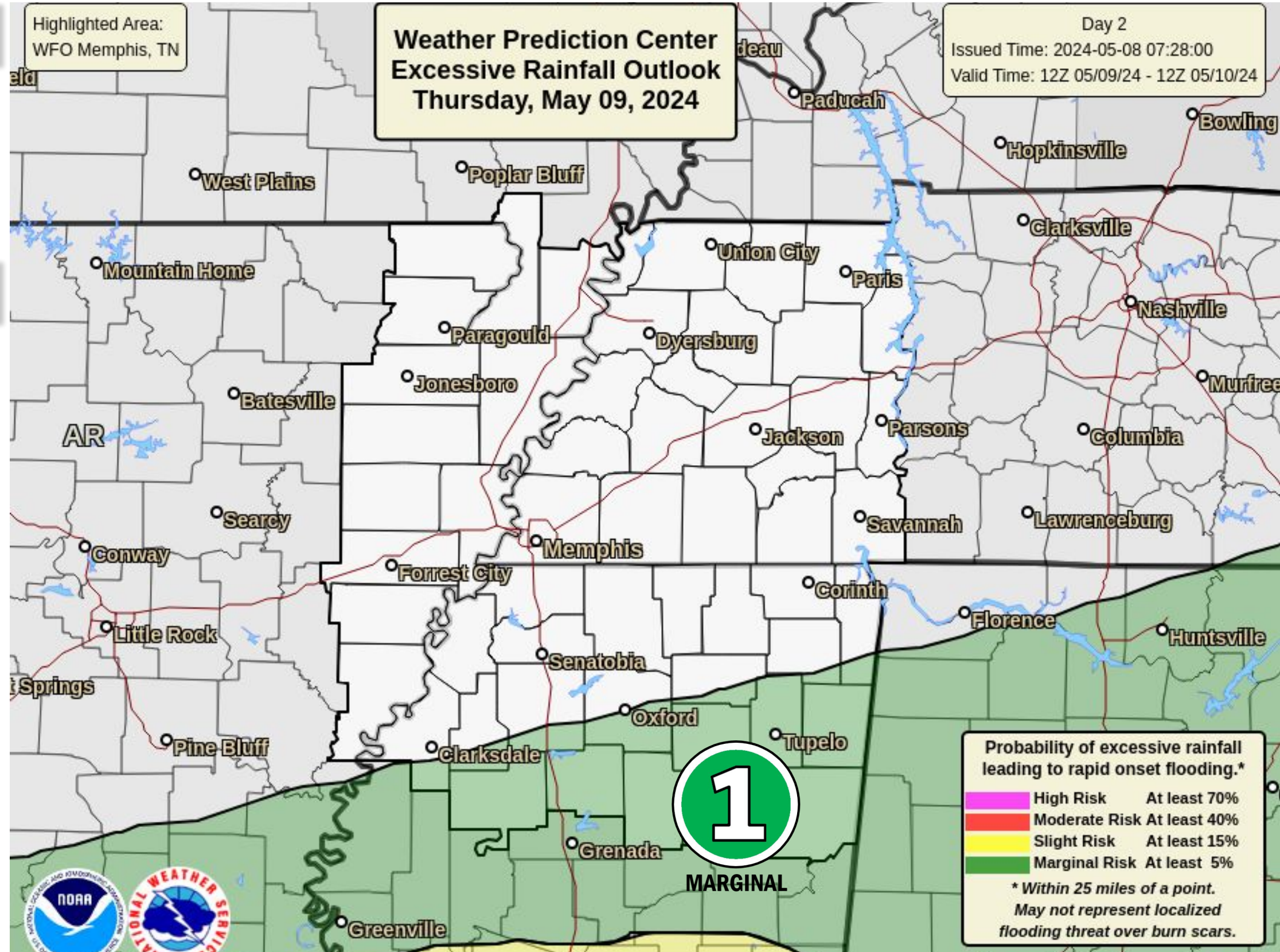


MARGINAL

Isolated flash floods *possible*

## TIMING

Late afternoon/evening



HAVE MULTIPLE  
WAYS TO RECEIVE  
WARNINGS



NEVER WALK  
INTO  
FLOODWATERS



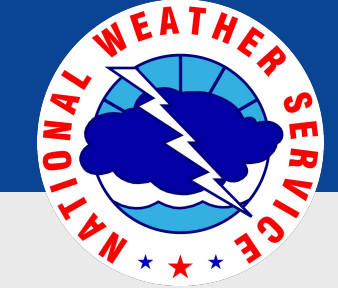
TURN AROUND,  
DON'T DROWN

**MARGINAL** **1** Localized and primarily affecting places that can experience rapid runoff with heavy rainfall

**SLIGHT** **2** Mainly localized. Most vulnerable are urban areas, roads, and small streams

**MODERATE** **3** Numerous flash flooding events with significant events possible. Larger rivers could be affected

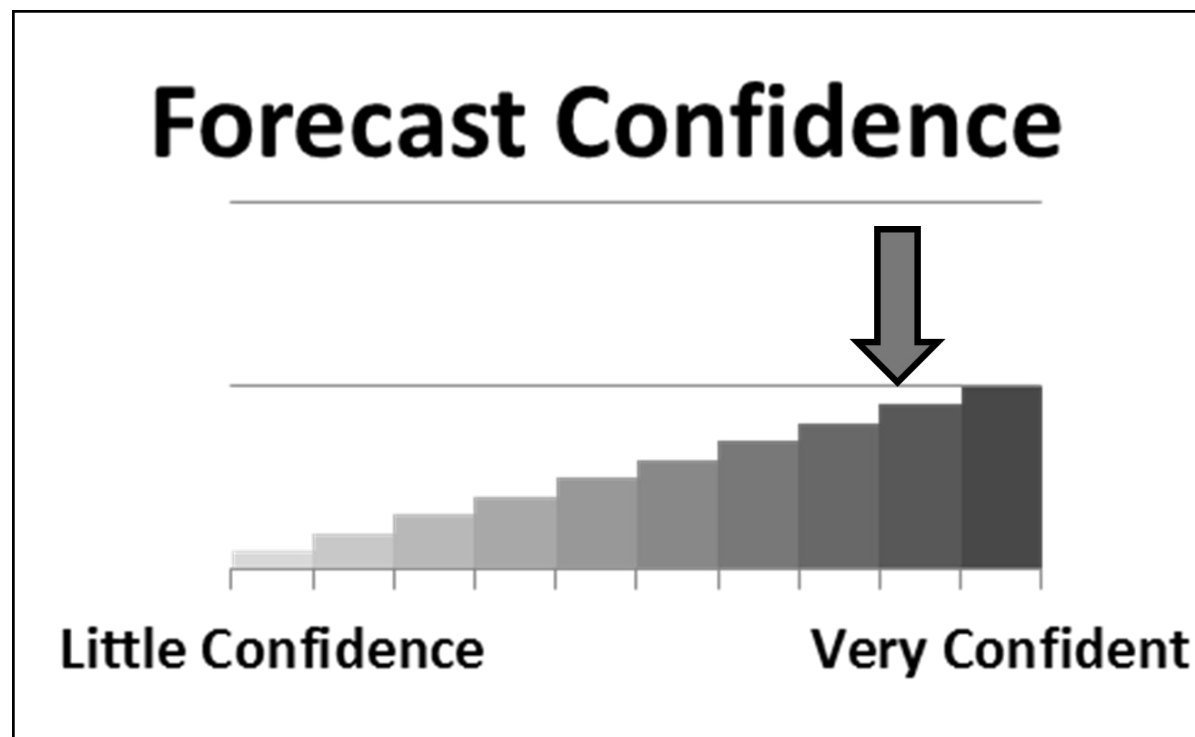
**HIGH** **4** Severe, widespread flash flooding. Lives and property in great danger



# Key Takeaways

May 8, 2024  
10:51 AM

- **Moderate Risk (4/5)** overnight tonight, **Marginal Risk (1/5)** tomorrow evening
  - Destructive winds, very large hail, and strong tornadoes possible tonight
- **Flood Watch** in effect until tomorrow morning for 1.5-2" of rain
- The most likely/impactful period of severe weather is overnight tonight
  - Make sure your Watch/Warning reception method can **wake you up**



High confidence in storm coverage/intensity overnight  
Medium confidence in rainfall totals/flooding potential  
Low confidence in severe potential tomorrow



# Be Prepared for Nighttime Tornadoes



## NOAA Weather Radio

Test regularly and make sure it's tuned to your local station

## Safe Place

Have a safe place prepared if you know storms are coming

## Cell phone

Turned on, charged and Wireless Emergency Alerts enabled

## Flashlight & Shoes

Keep flashlight and sturdy shoes handy

# Nighttime Severe Weather Safety



Local TV



Weather Apps



Social Media



Weather Radio

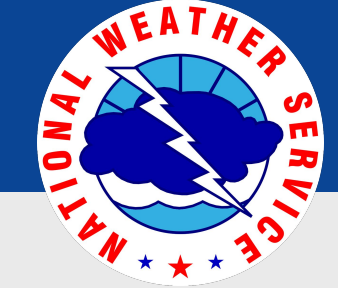


Word of Mouth




Emergency Alerts

- Charge your devices in case power goes out
- Make a sheltering plan before you go to bed
- Make sure you have a way for warnings to wake you up
- Turn OFF Do Not Disturb on your cell phone
- Place a flashlight and batteries by your bed



# Questions?


 **Web:** <http://weather.gov/meg>

 **Phone:** (901) 544-0401

 **E-mail:** [sr-meg.wx@noaa.gov](mailto:sr-meg.wx@noaa.gov)

 **Facebook:** NWSMemphis

 **Twitter:** NWSMemphis

 **YouTube:** NWSMemphis