



Active Weather Continues This Week

April 3, 2025
3:52 AM

Severe Thunderstorm and Flooding Potential

Key Messages

- Marginal (1 of 5) to Slight (2 of 5) risk for severe storms today with quarter size hail as the primary hazard.
- Marginal (1 of 5) to Enhanced (3 of 5) risk of severe weather on Friday. All hazards possible.
- Confidence and concern continues to increase for the for heavy rainfall and potentially significant flooding late week.
- A Flood Watch is in effect beginning Thursday morning through Saturday evening.

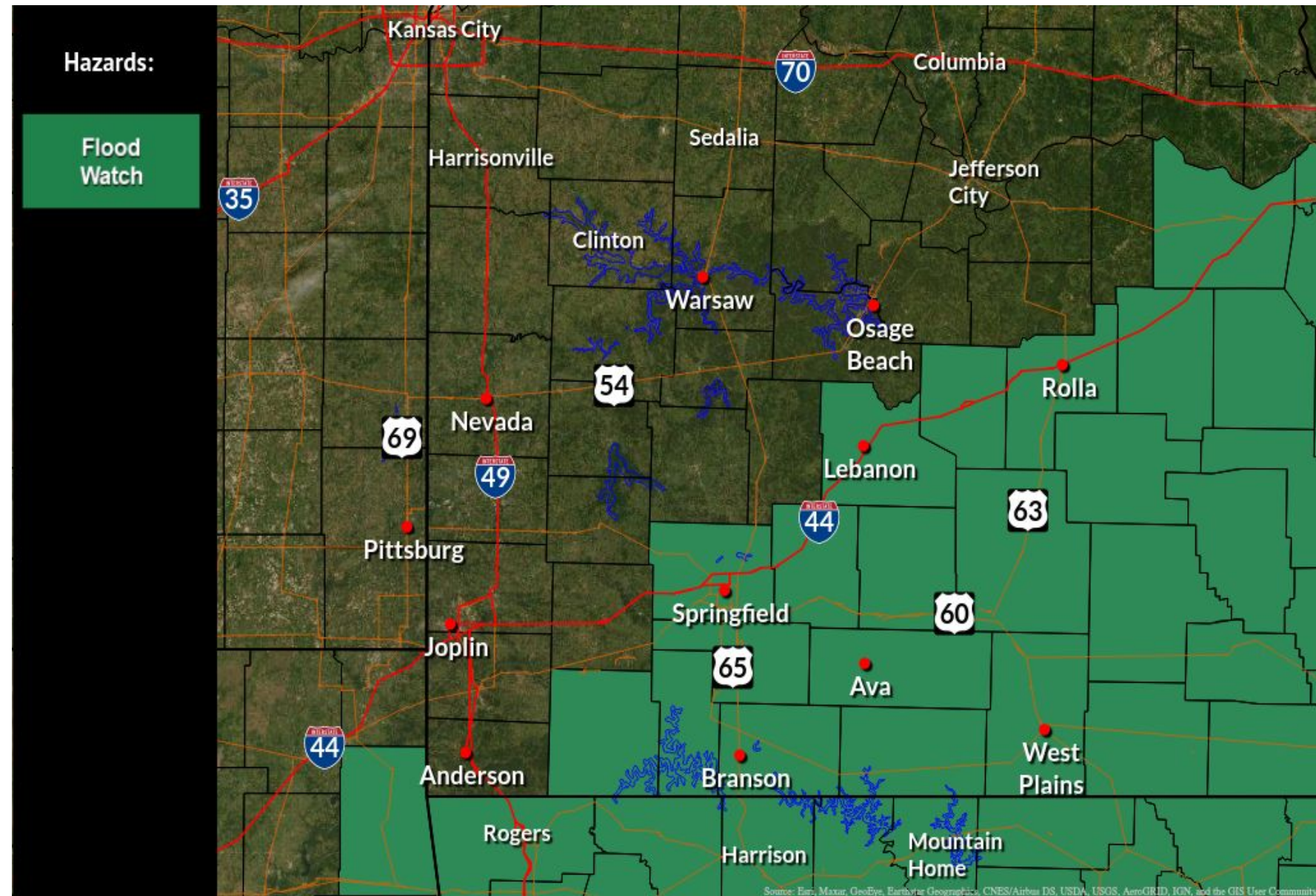
NEW

Important Updates

- Increased slightly the Day 2 severe weather outlook.

Next Scheduled Briefing

- Thursday Afternoon, April 3



Flood Watch This Morning Through Saturday PM





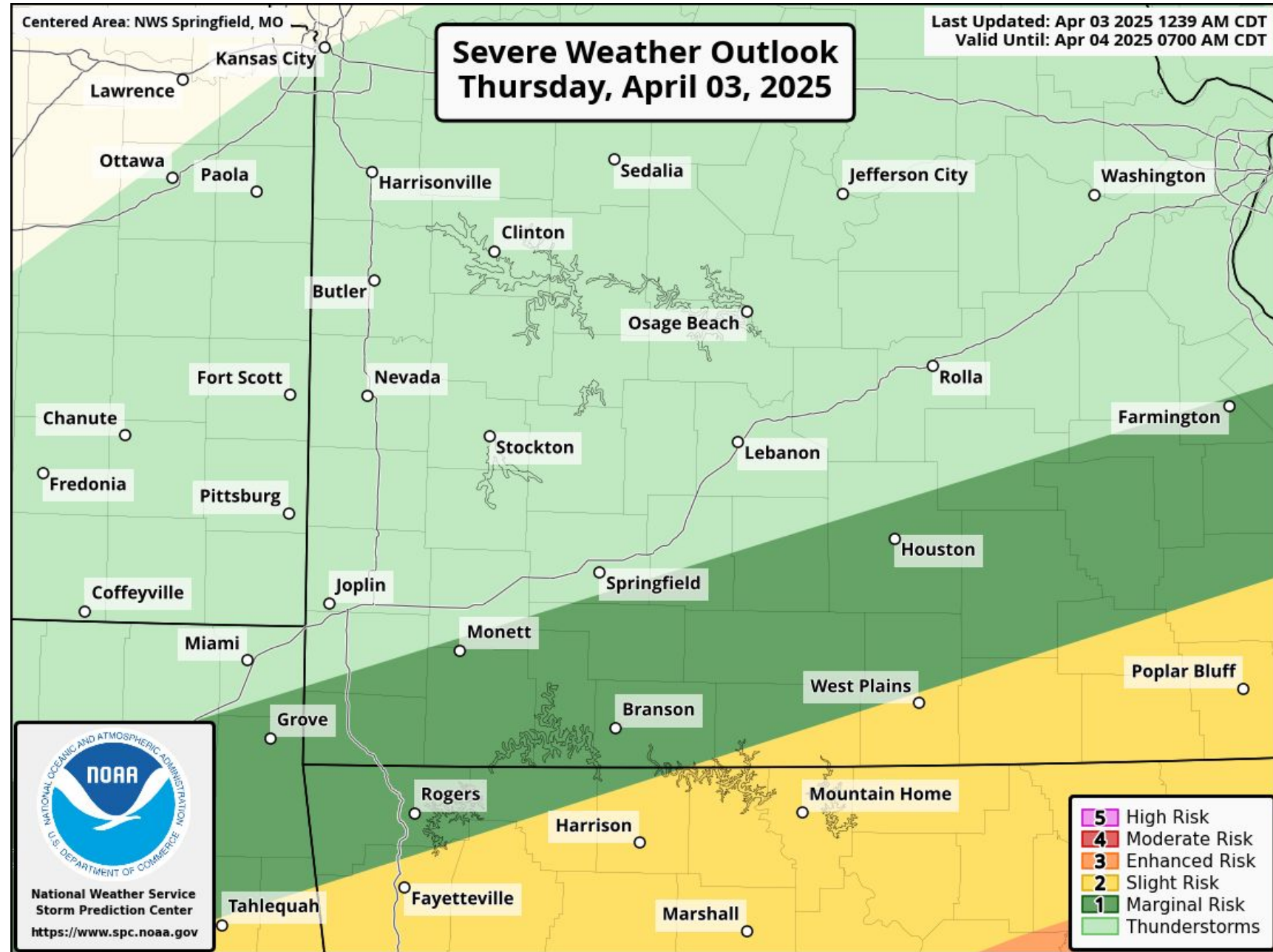
Marginal to Slight Risk Today

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In addition to heavy rainfall

Key Points

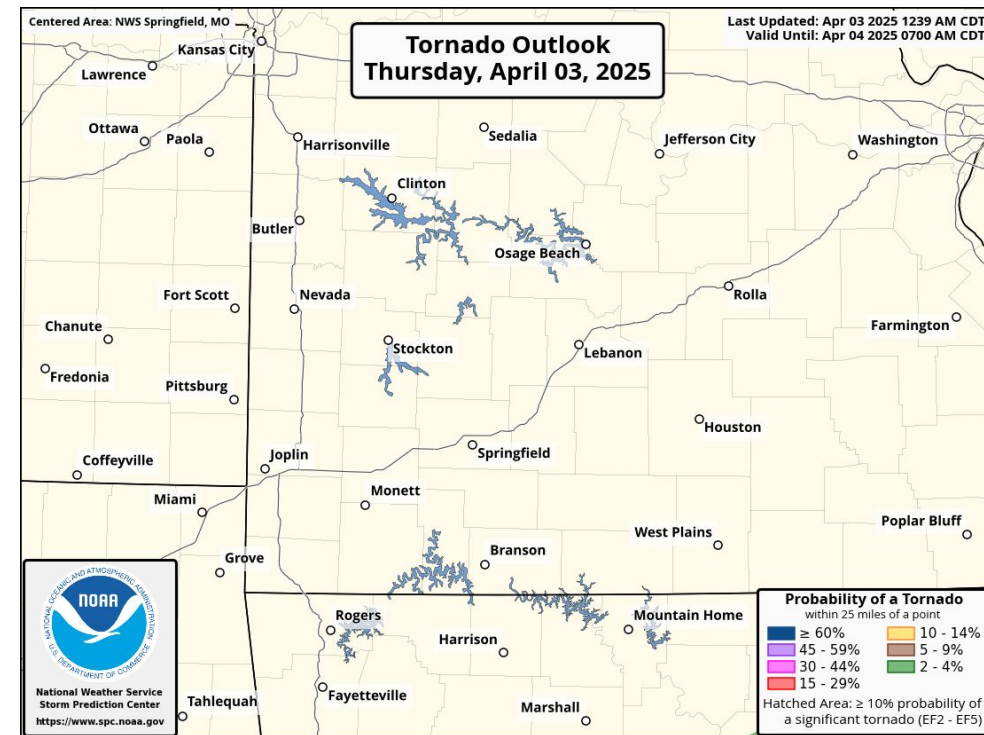
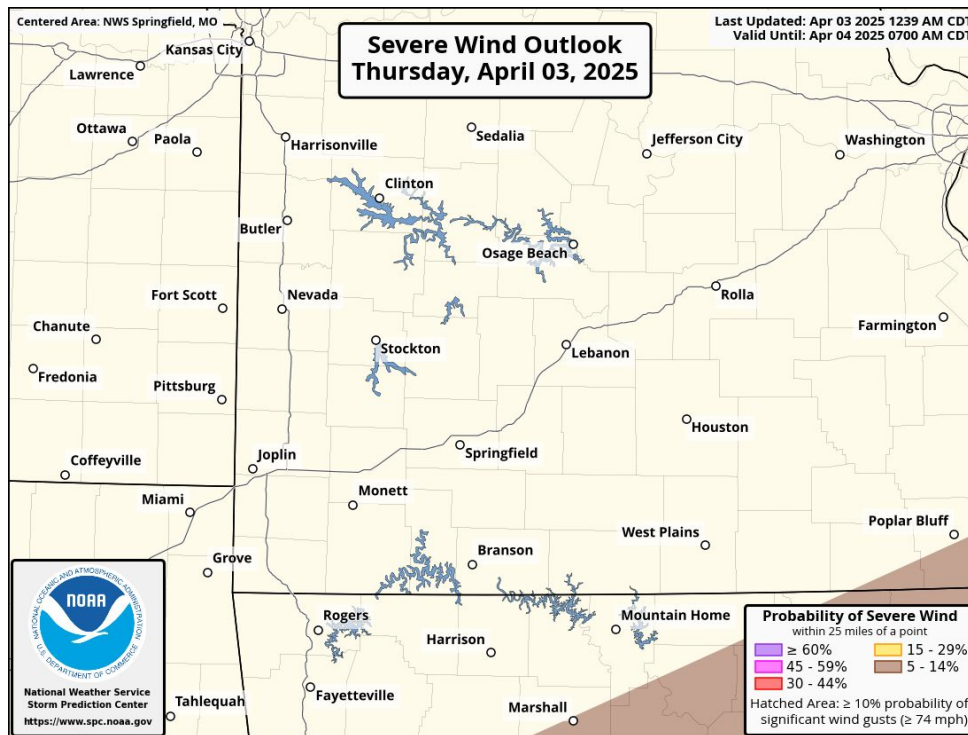
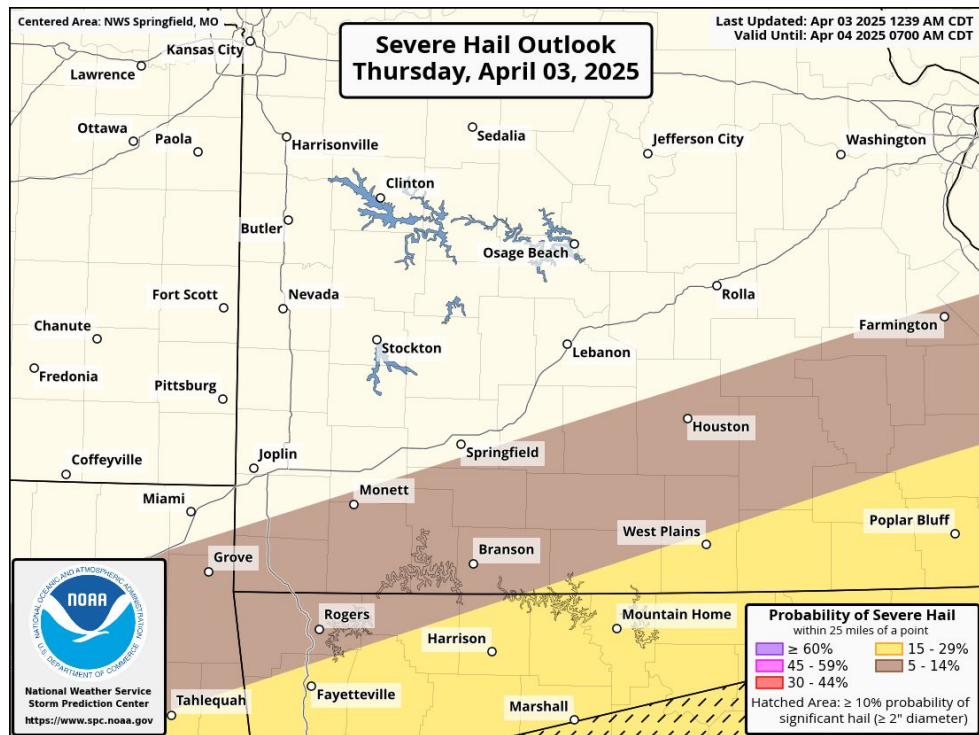
- In addition to the beginning of persistent heavy rainfall, enough instability and shear will be in place for some thunderstorms to become marginally strong to severe this afternoon and tonight.
- Since we will be on the cool side of the front with elevated instability, large hail will be the main hazard, though damaging wind gusts cannot be ruled out.





Severe Hazard Probabilities Today

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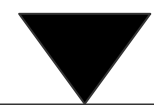
Hail Probability



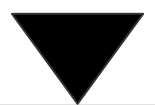
Wind Probability



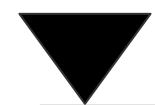
Tornado Probability



| | | | |
|---------|----------|------------|-----------|
| Pennies | Quarters | Golf Balls | Baseballs |
|---------|----------|------------|-----------|



| | | | |
|----------|-----------|-----------|---------|
| < 60 mph | 60-70 mph | 70-80 mph | >80 mph |
|----------|-----------|-----------|---------|



| | | | |
|----------|-----|----------|------|
| Very Low | Low | Moderate | High |
|----------|-----|----------|------|



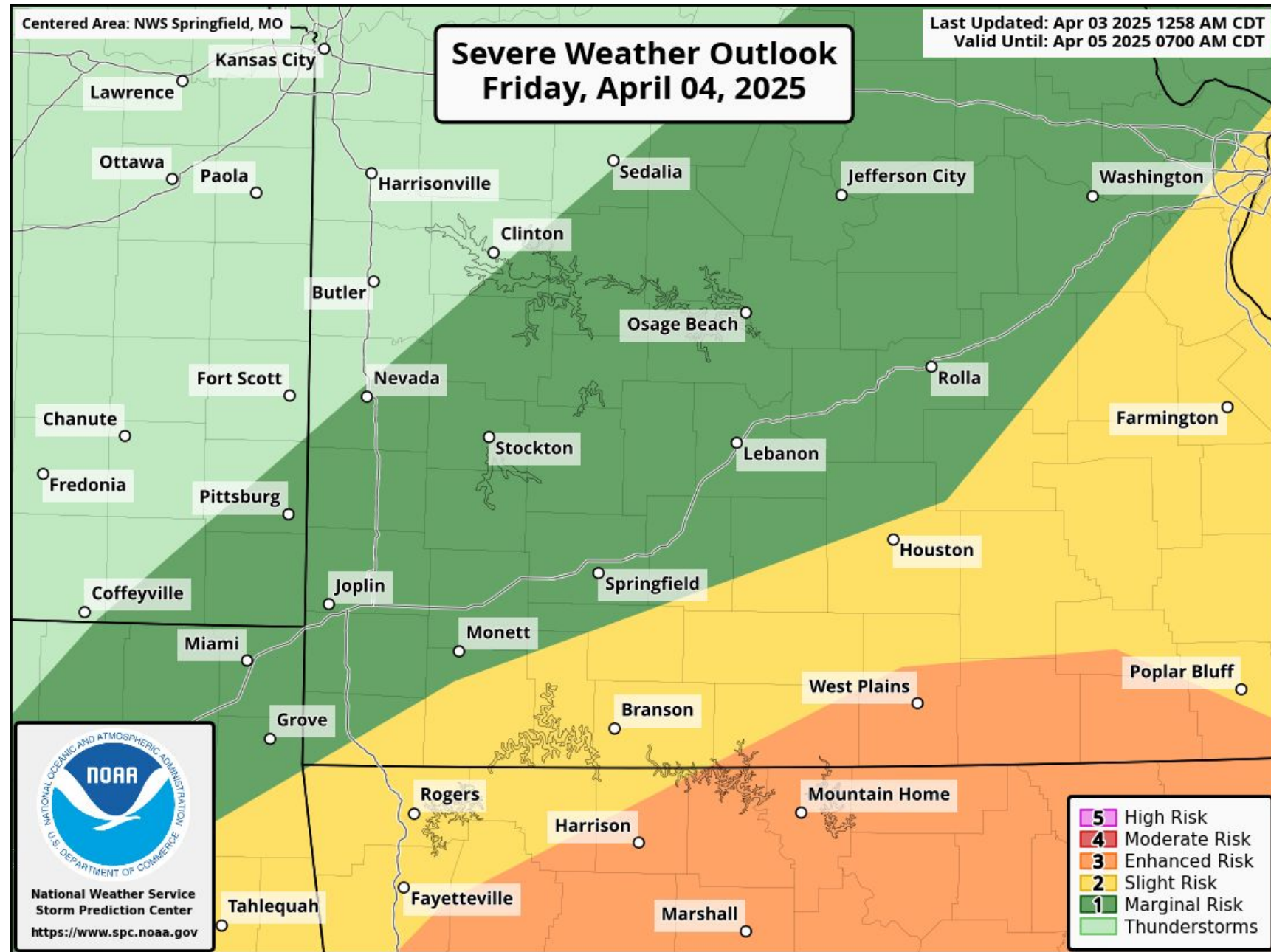
Marginal to Enhanced Risk Friday

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In addition to heavy rainfall

Key Points

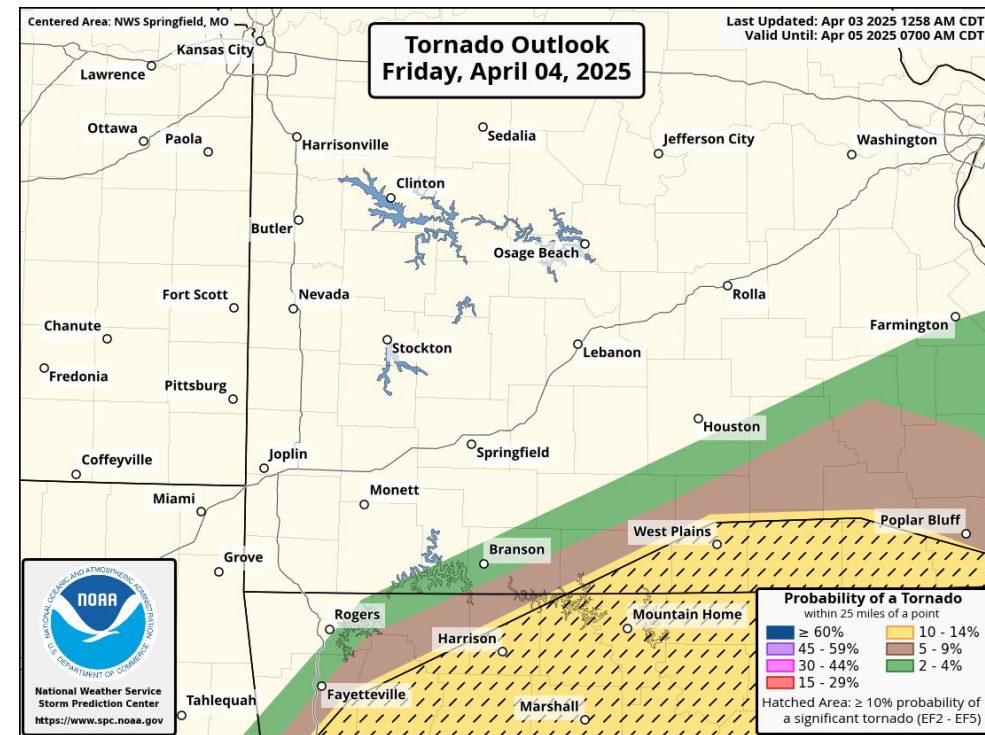
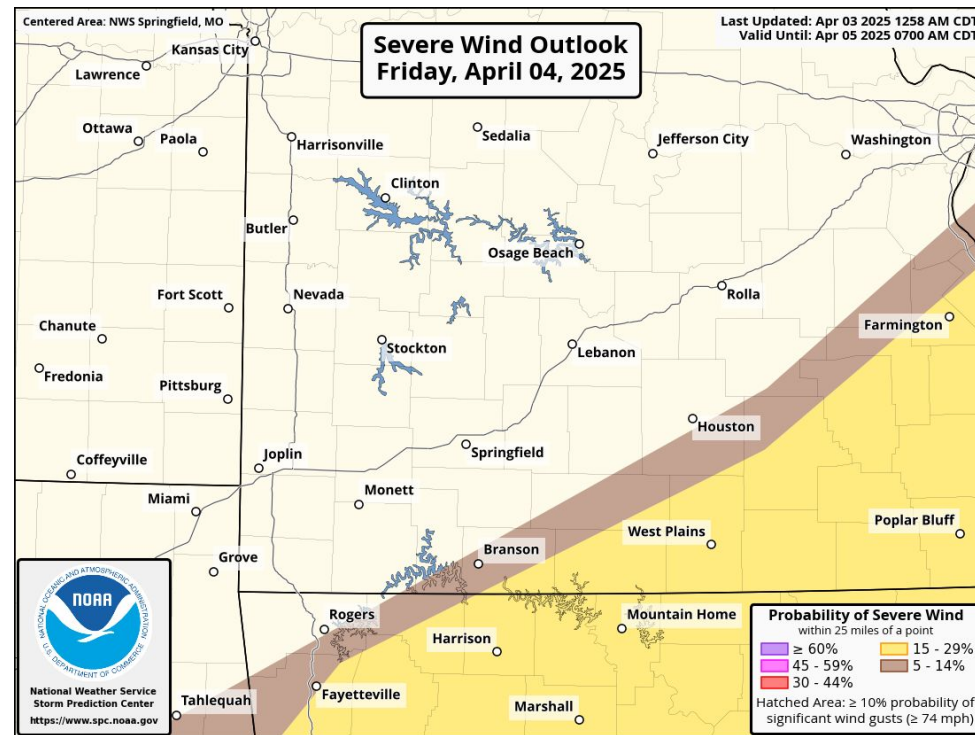
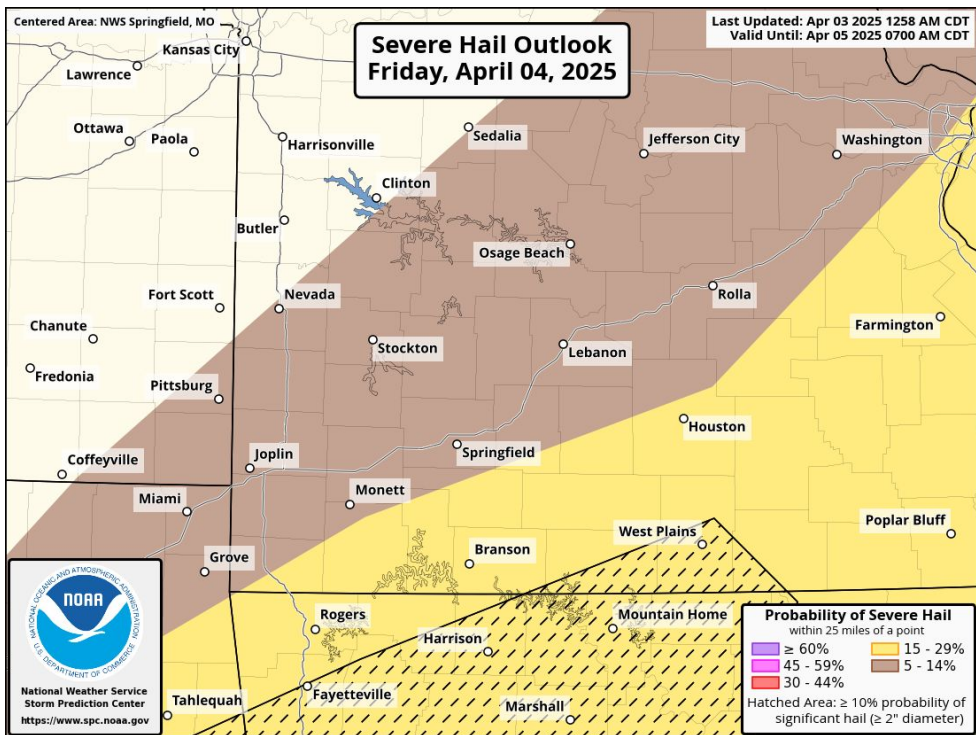
- In addition to the beginning of persistent heavy rainfall, enough instability and shear will be in place for some thunderstorms to become strong to severe Friday.
- The most likely hazard will continue to be large hail since most locations will be on the cool side of the front.
- Areas south (on the warm side of the front) will have the potential for all modes of severe storms including a tornado risk. This will most likely be over far southeast sections of the area in south central Missouri and is delineated in the graphic within the enhanced risk area (level 3 orange).



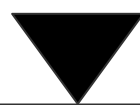


Severe Hazard Probabilities Friday

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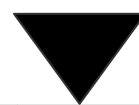
Hail Probability



| | | | |
|---------|----------|------------|-----------|
| Pennies | Quarters | Golf Balls | Baseballs |
|---------|----------|------------|-----------|



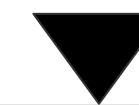
Wind Probability



| | | | |
|----------|-----------|-----------|---------|
| < 60 mph | 60-70 mph | 70-80 mph | >80 mph |
|----------|-----------|-----------|---------|



Tornado Probability



| | | | |
|----------|-----|----------|------|
| Very Low | Low | Moderate | High |
|----------|-----|----------|------|

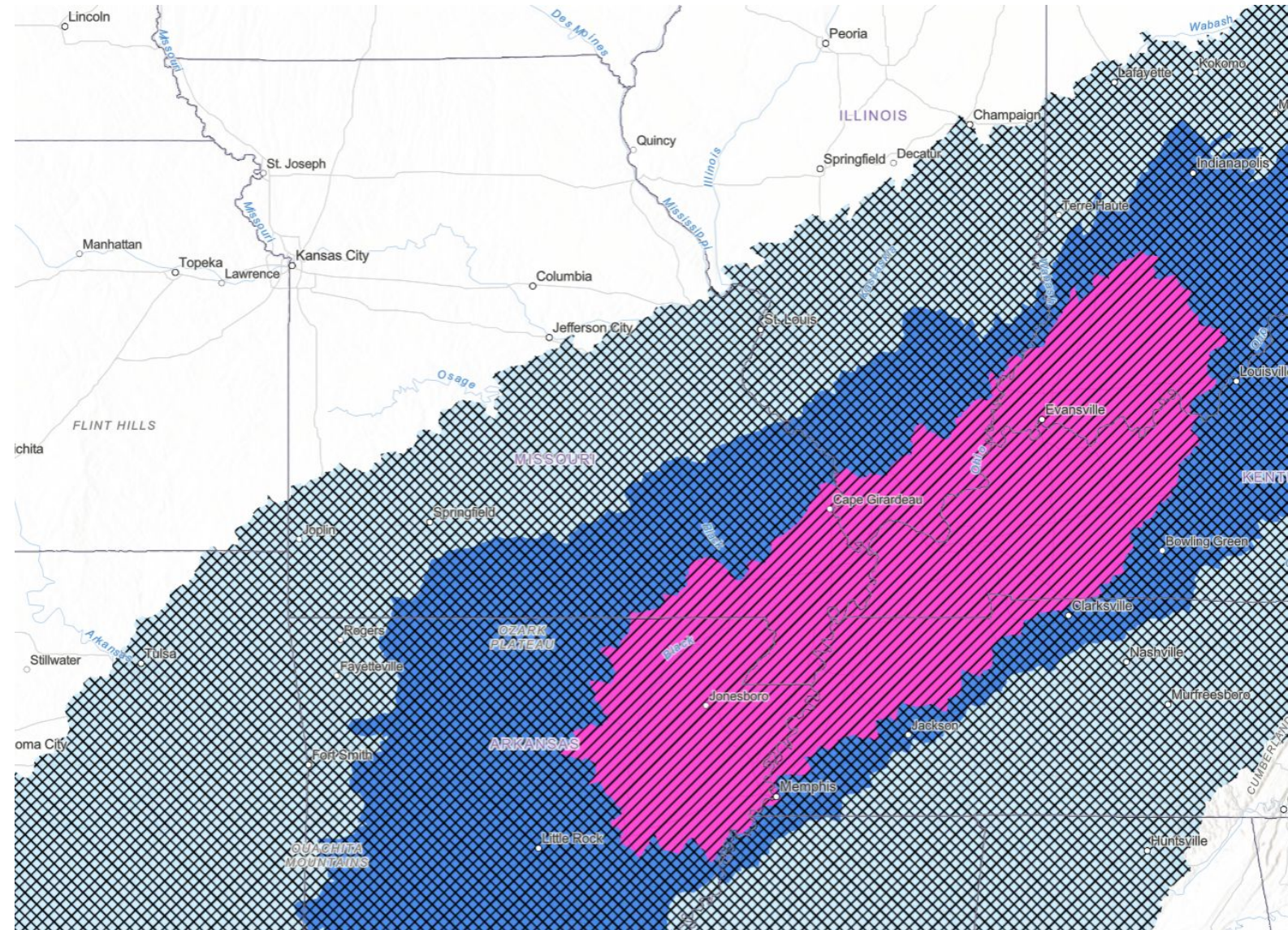


Late Week Flooding Potential

April 3, 2025
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Key Points

- Several rounds of heavy rainfall look to occur today through Saturday.
- Several inches of rainfall could add up which would cause flash flooding and increased river levels.
- Considerable flash, urban and small stream flooding is expected as close as southeast Missouri.
- The highest confidence for widespread significant river flooding (moderate and major) is from the eastern Ozarks through the Lower Ohio Valley.



Issued Time
2025-04-02 21:00 UTC

Legend

Potential Flooding Impacts

- Catastrophic
- Considerable
- Limited
- See Text

Timing

- Through Day 3
- Days 4-7
- Through Day 7

Official Forecast Points

- Major Flood
- Moderate Flood
- Minor Flood

Experimental Flood Hazard Outlook (Late Week)



Flood Watch

April 3, 2025

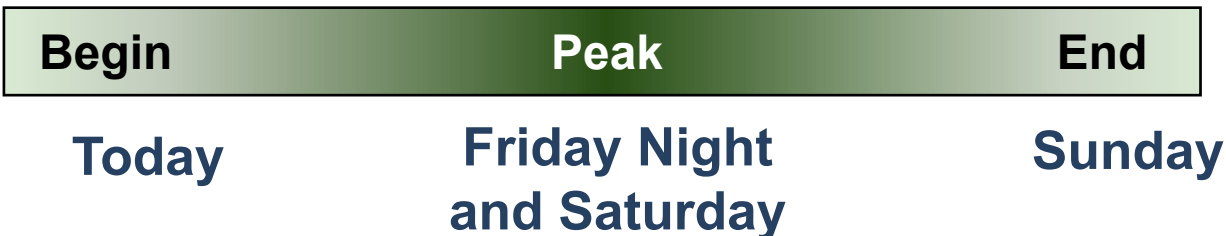
3:52 AM

This Morning - Saturday Evening

What

Confidence continues to increase in heavy rainfall and flooding into the weekend. Heavy rainfall amounts of at least 3 to 6 inches, with localized amounts up to 9 inches will be possible within the flood watch, as it could result in significant flooding and flash flooding. The timeframe for highest confidence is Friday afternoon through Saturday evening. The Flood Watch may need to be expanded north and west if confidence increases.

When



Flood Watch Thursday AM Through Saturday PM



Excessive Rainfall Outlooks

April 3, 2025
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Today and Tonight

What

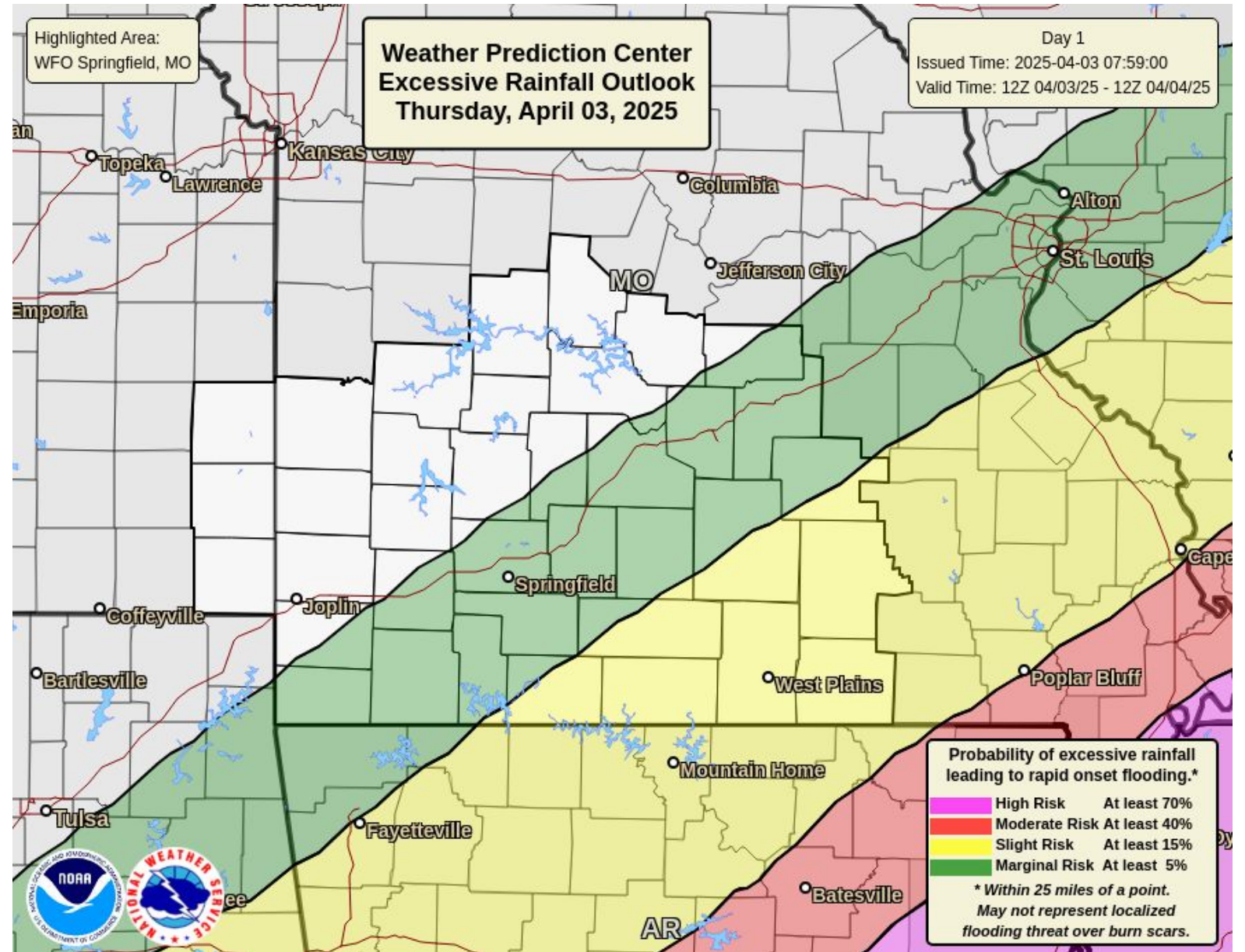
- There is a Marginal to Slight Risk (1-2/4) for excessive rainfall. Localized rainfall amounts up to 2" could cause localized flash flooding and increased river levels.

Where

- Highest chances of excessive rainfall and flooding are southeast of Springfield across south central Missouri.

When

- Additional rounds Friday and Saturday.



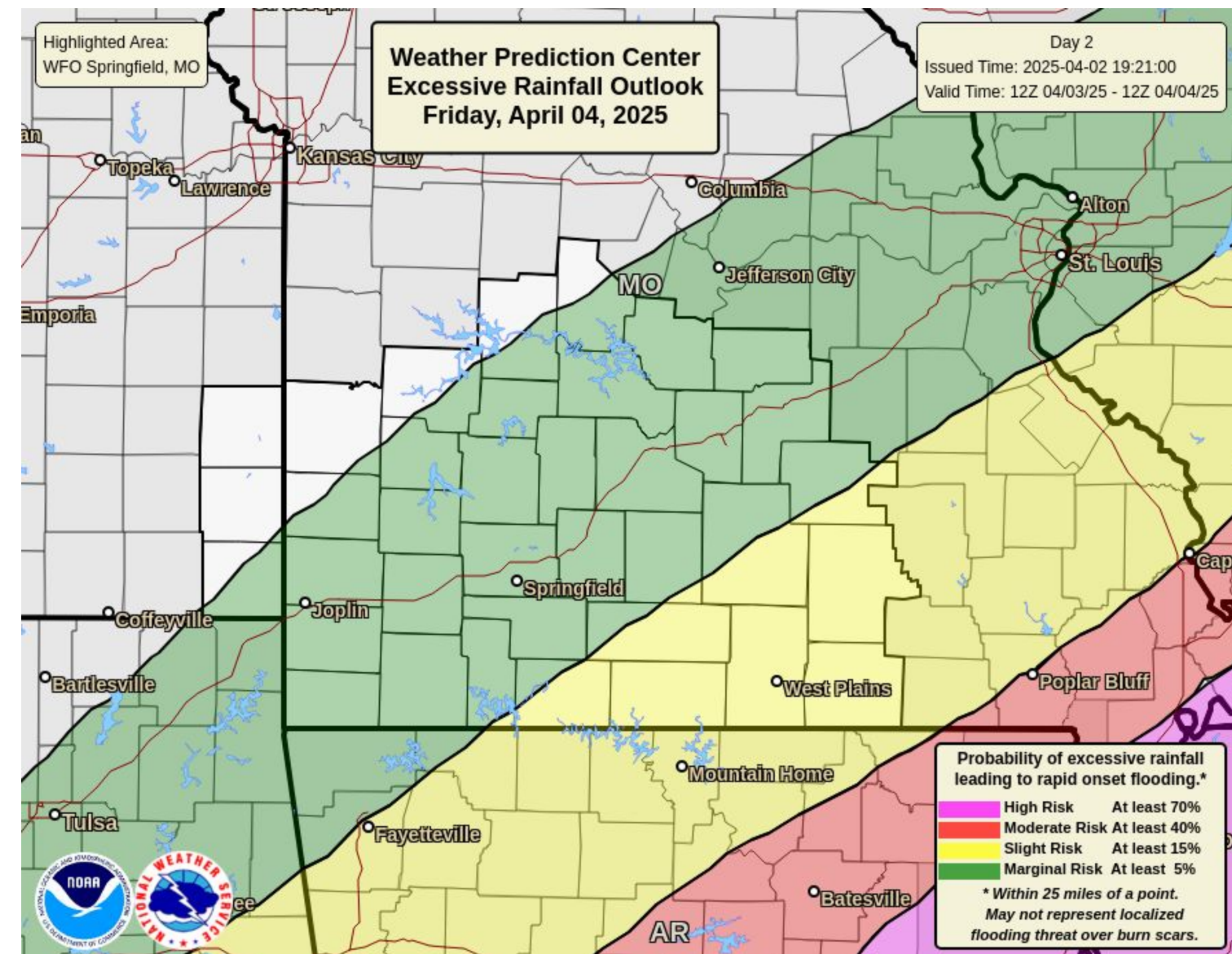
Today - Tonight



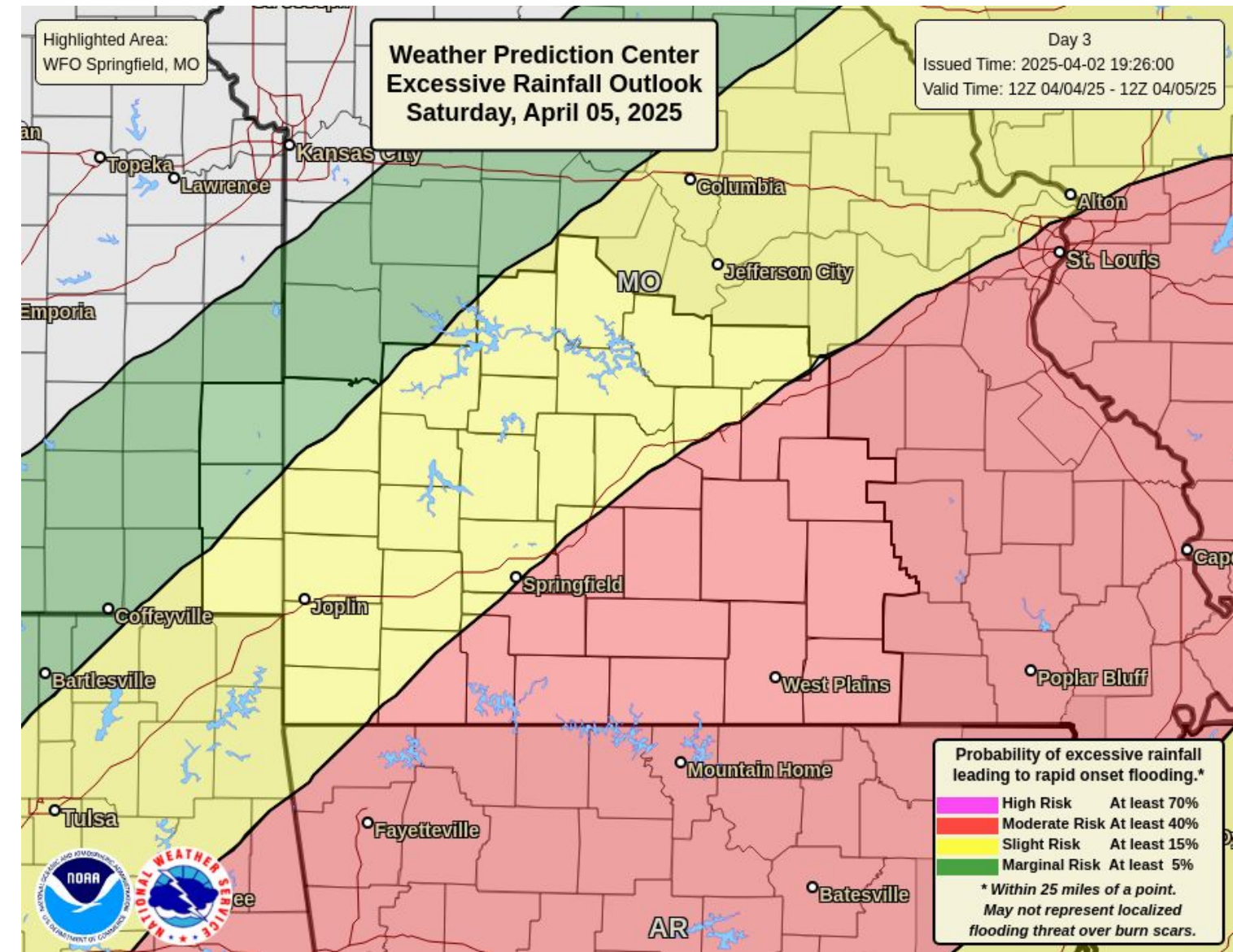
Excessive Rainfall Outlooks

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Likely the most impactful days will be Friday and Saturday



Friday - Friday Night



Saturday - Saturday Night

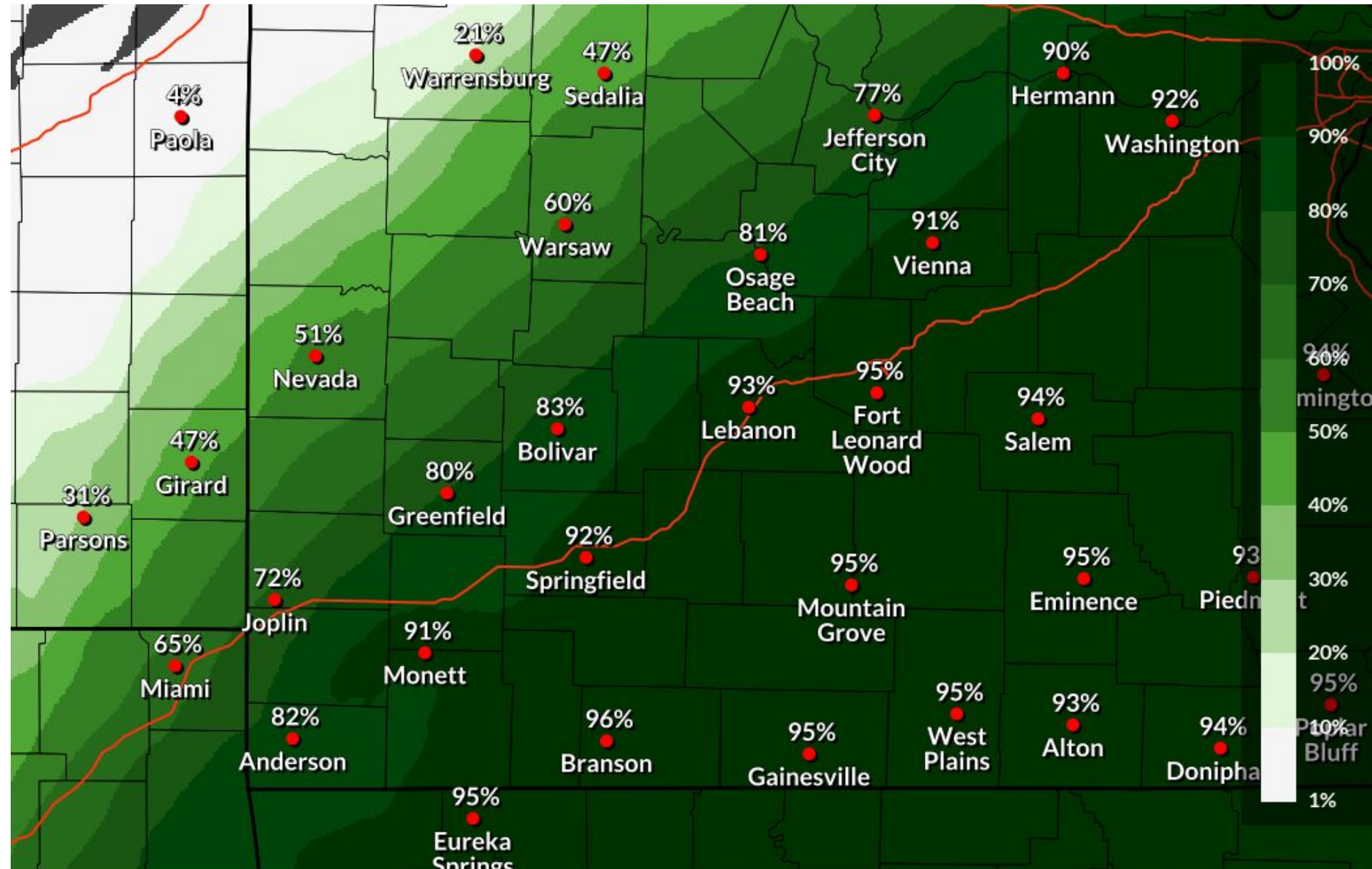


Probabilistic Rainfall Amounts

April 3, 2025
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Highlights

- The probabilities for 2 inches (this slide) and 4in/6in (following slides) of rainfall Today through Saturday are highest from south central Missouri and points southeast.
- This axis of heavy rainfall potential could still shift/change as we head through the week.

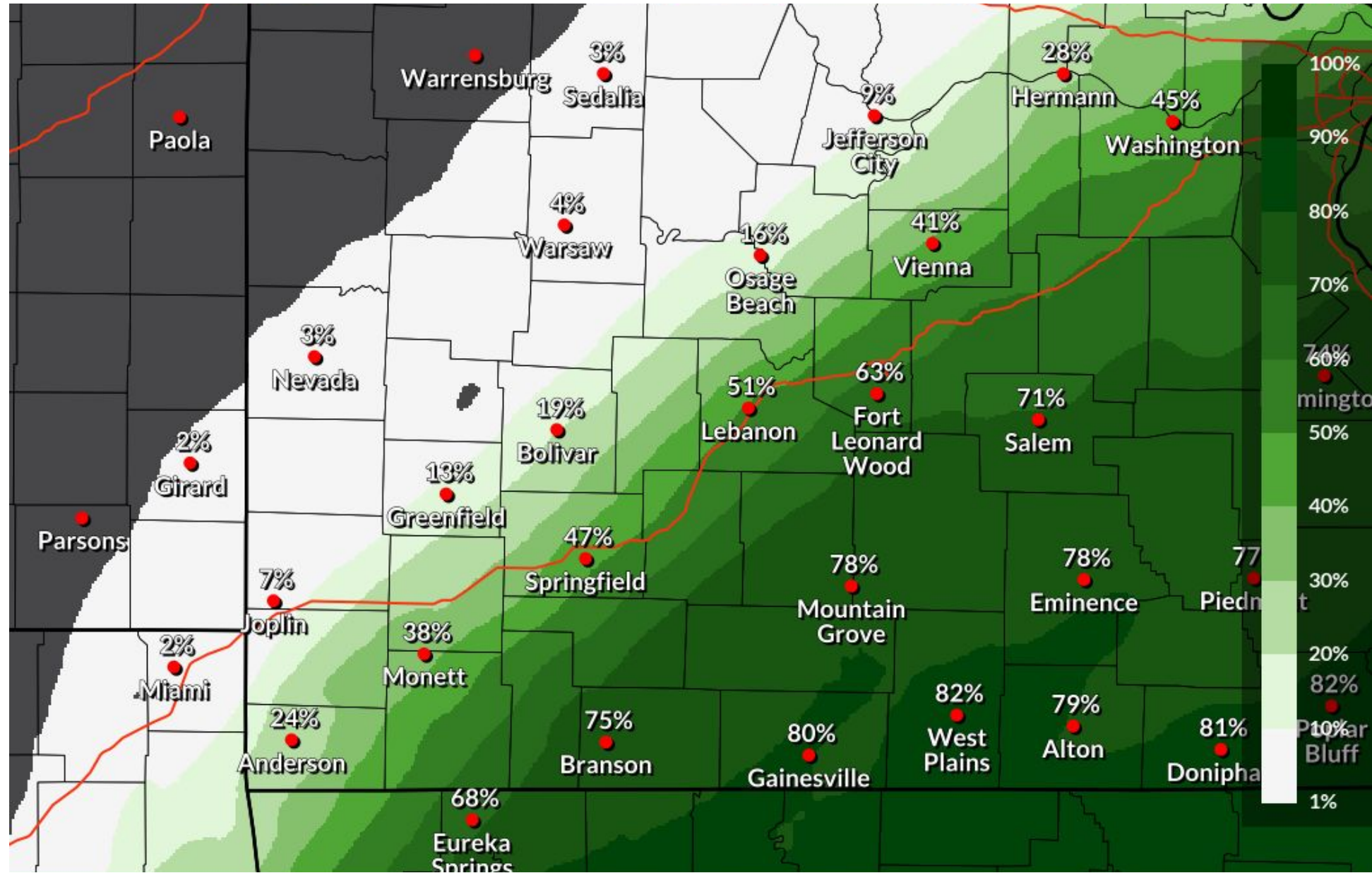


Probability of > 2.0" of rainfall (Thursday - Saturday)



Probabilistic Rainfall Amounts

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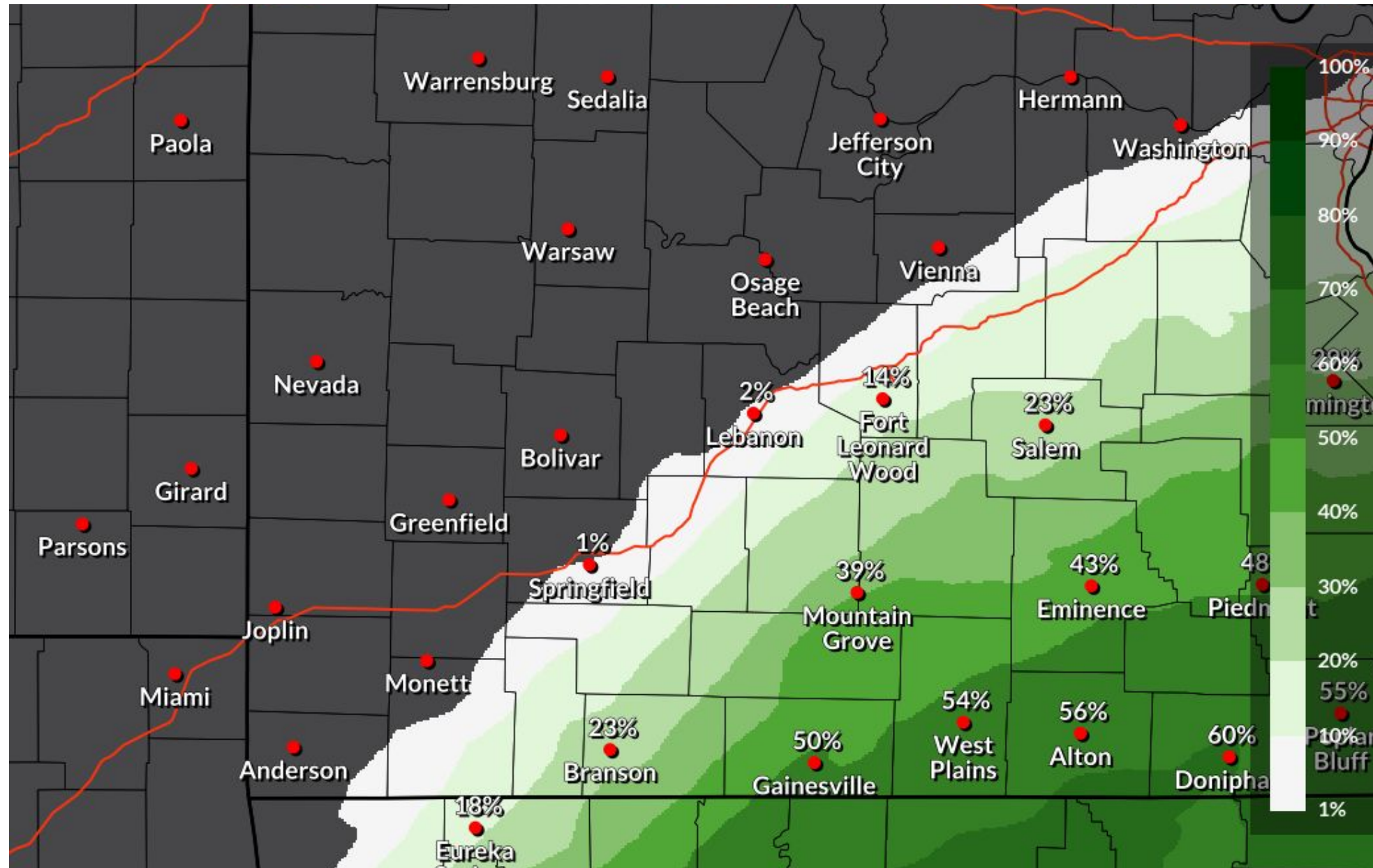


Probability of > 4.0" of rainfall (Thursday through Saturday)



Probabilistic Rainfall Amounts

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Probability of > 6.0" of rainfall (Thursday through Saturday)



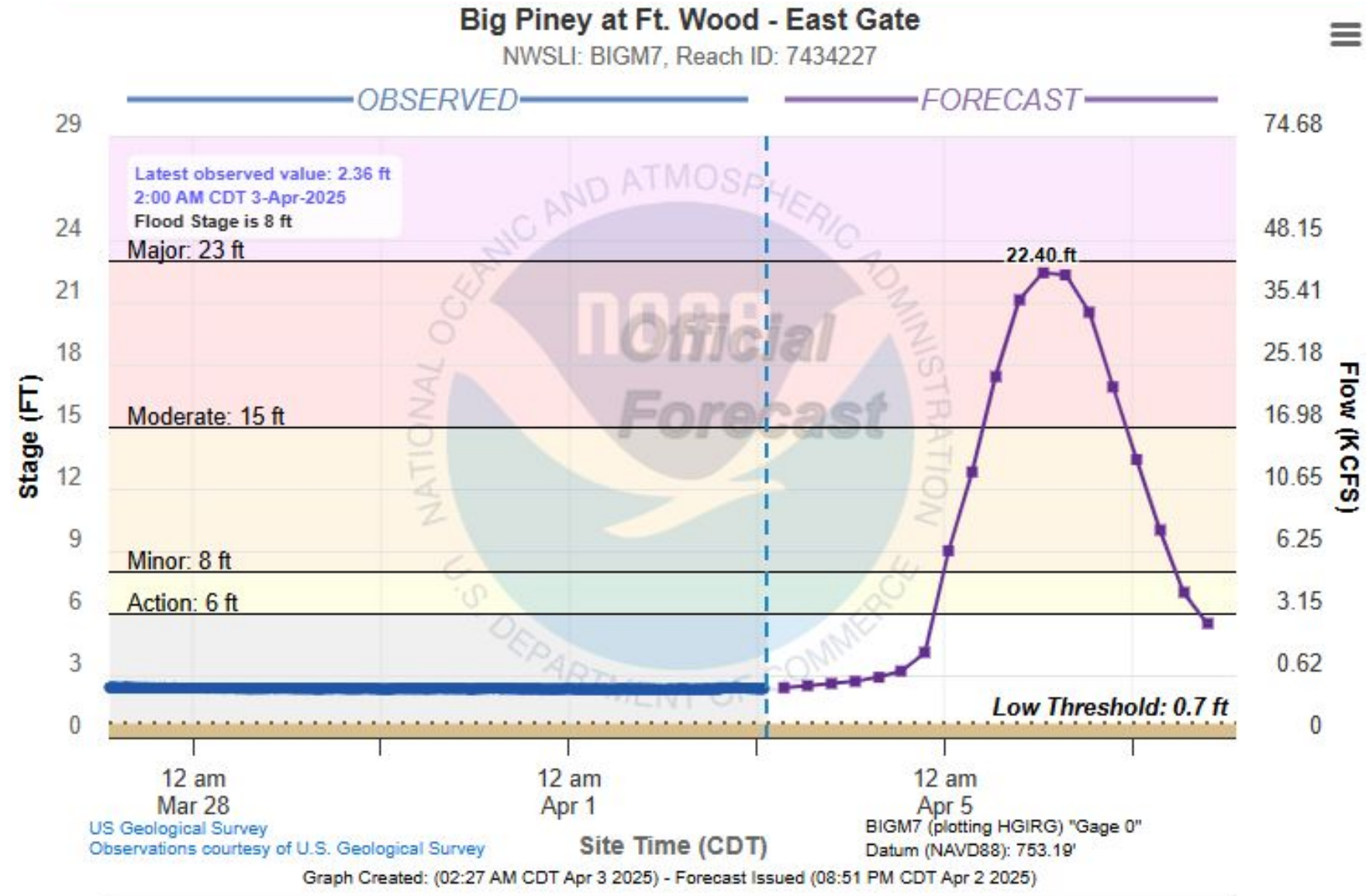
River Hydrographs

April 3, 2025
3:52 AM

Additional Rises Possible | Forecast Subject to Change

Highlights

- Long range forecasts are showing increasing confidence in the Jacks Fork and Current River basins reaching minor to potentially moderate flood stage.
- The following images show the river forecasts/hydrographs through Saturday morning.
 - ◆ **Important Note:** River Forecasts only include precipitation out to 72 hours (Saturday morning) and additional accumulating rainfall on Saturday may cause additional rises.
- **Confidence is increasing in the potential for exceeding Moderate or even Major Flood Stage.** These forecasts will be subject to change, so check back with the latest updates.
- Locations along creeks and rivers will need to monitor the situation closely later this week, especially southeast of Springfield.



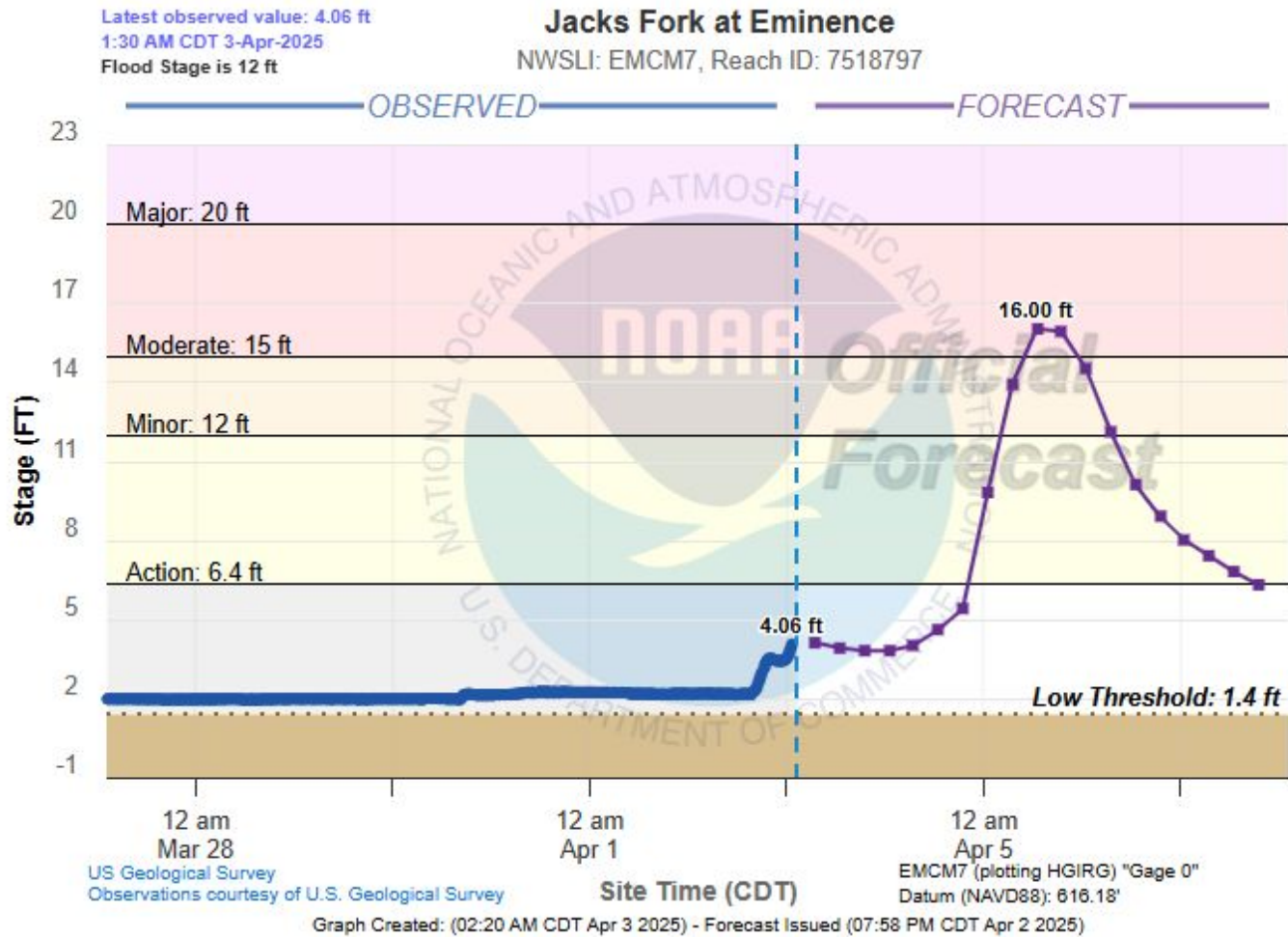
Big Piney River at Fort Leonard Wood - East Gate



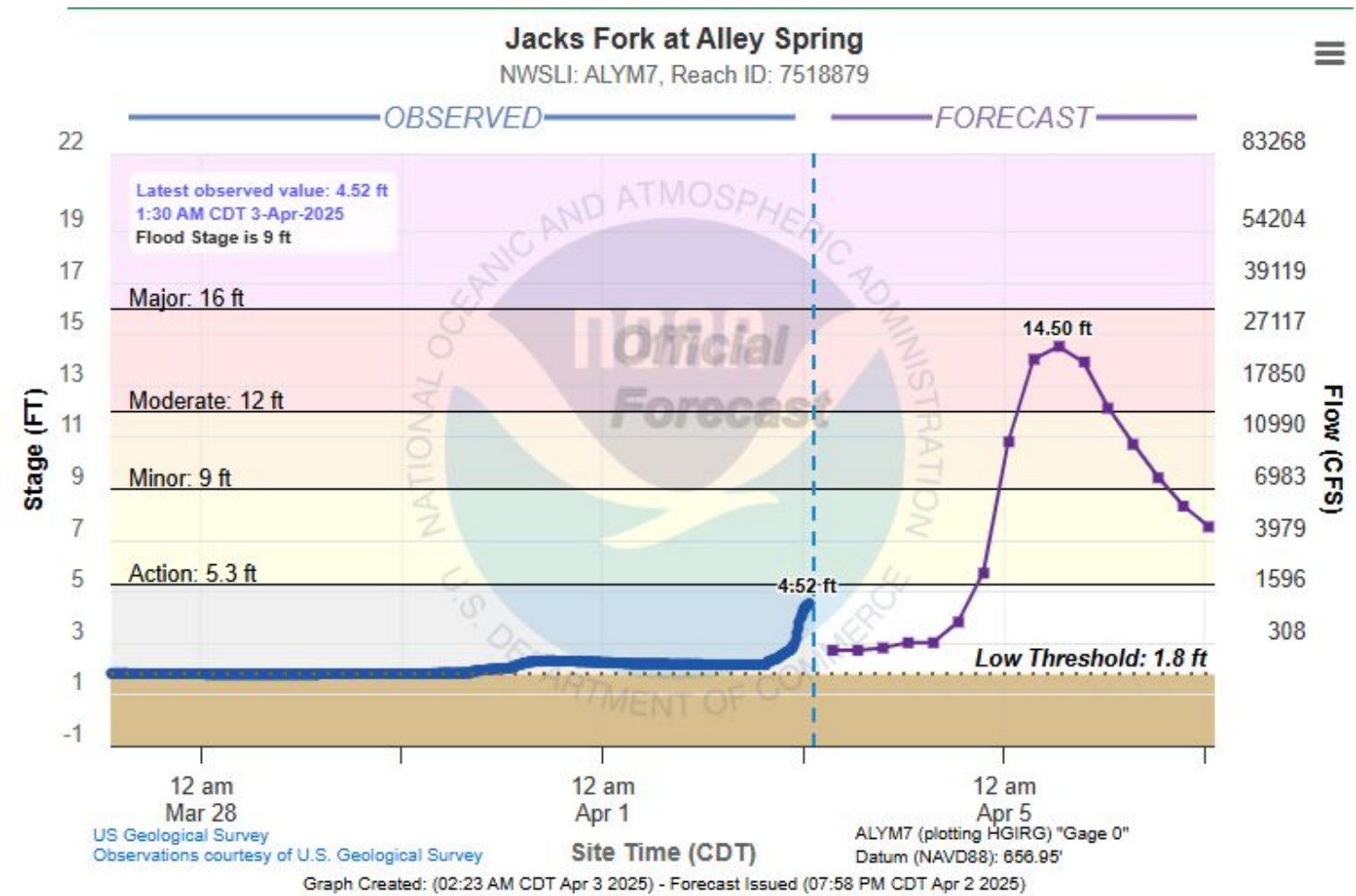
River Hydrographs

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Additional Rises Possible | Forecast Subject to Change



Jacks Fork River at Eminence, MO



Jacks Fork River at Alley Spring, Missouri



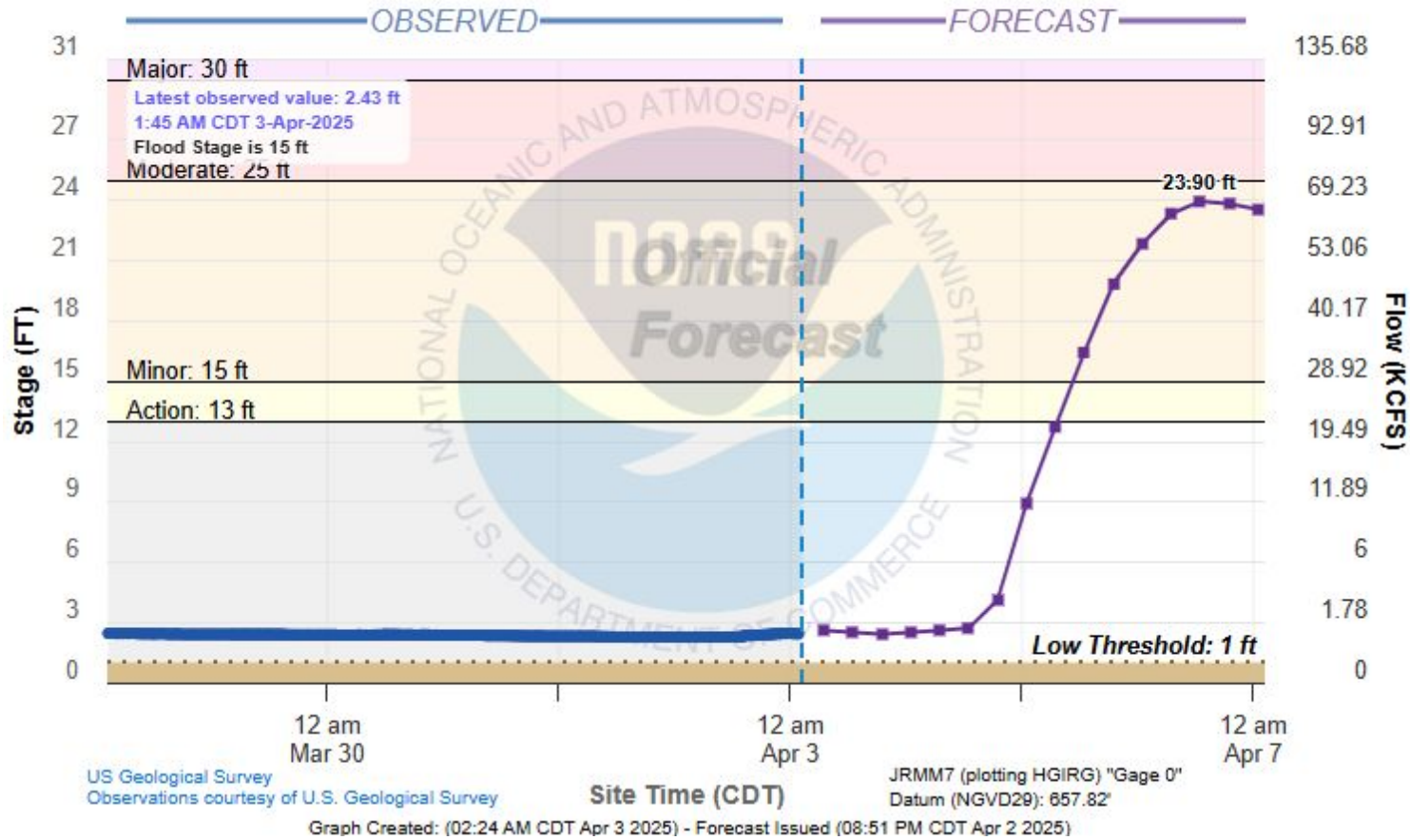
River Hydrographs

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Additional Rises Possible | Forecast Subject to Change

Gasconade River at Jerome

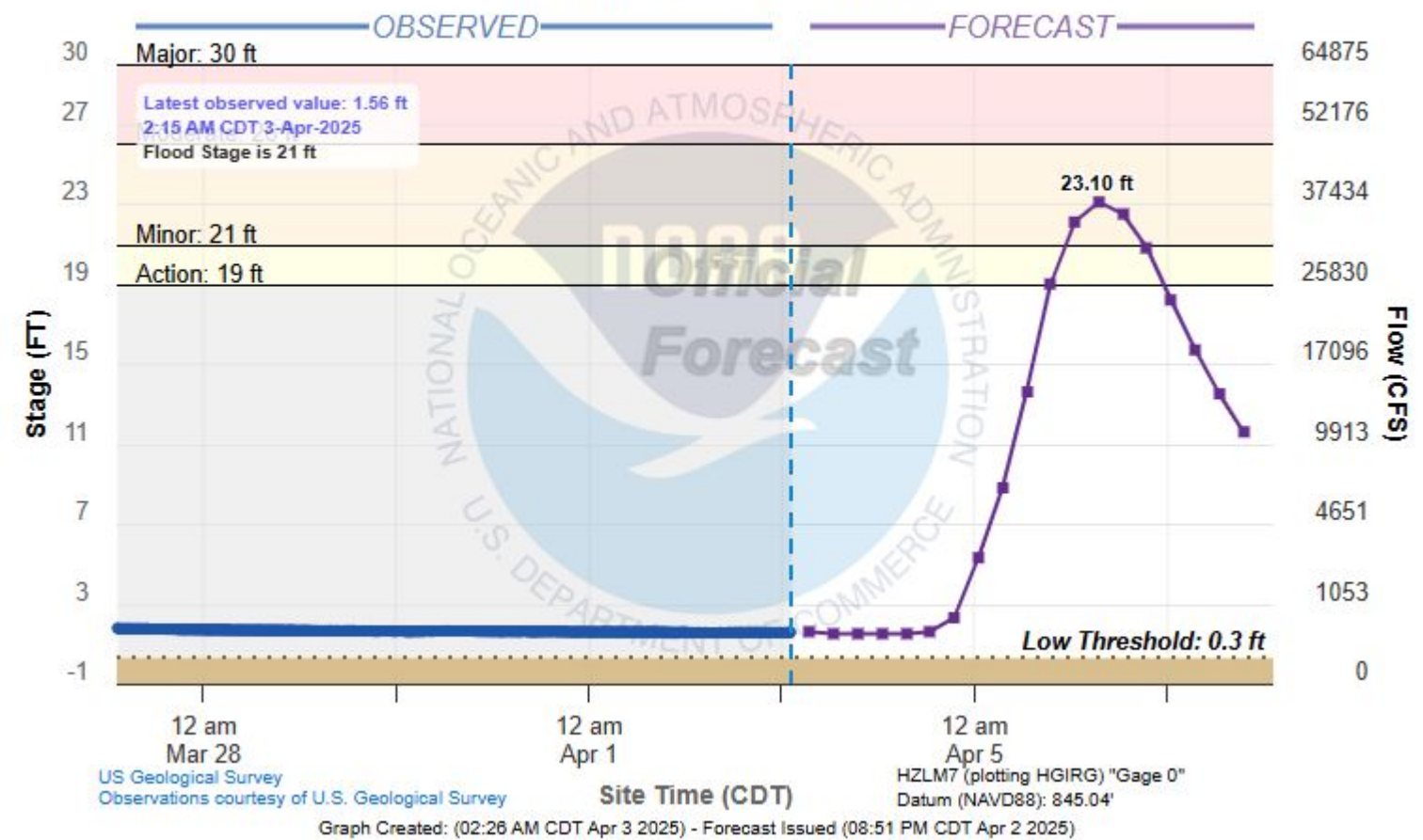
NWSLI: JRMM7, Reach ID: 7447469



Gasconade River at Jerome, Missouri

Gasconade River near Hazelgreen

NWSLI: HZLM7, Reach ID: 7423890



Gasconade River at Hazelgreen, Missouri





Additional Resources

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For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [WPC Excessive Rainfall Outlooks](#)
- [WPC Precipitation Outlooks](#)
- [Submit Storm Reports](#)

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- WIRELESS EMERGENCY ALERTS AND WEATHER APPS
- OUTDOOR SIRENS
- NOAA WEATHER RADIO
- FROM YOUR FAMILY, FRIENDS, AND COWORKERS