



Severe Storms and Flooding Potential

May 22, 2025
4:48 AM

Friday and Memorial Day Weekend (Friday - Monday)

Key Messages

- Marginal risk (1/5) for severe weather Friday evening into Saturday. Large hail and damaging winds are the primary threats.
- Increasing confidence in heavy rainfall Friday through Monday, leading to concerns for flooding.
 - ◆ Flood Watch will likely be needed for this event

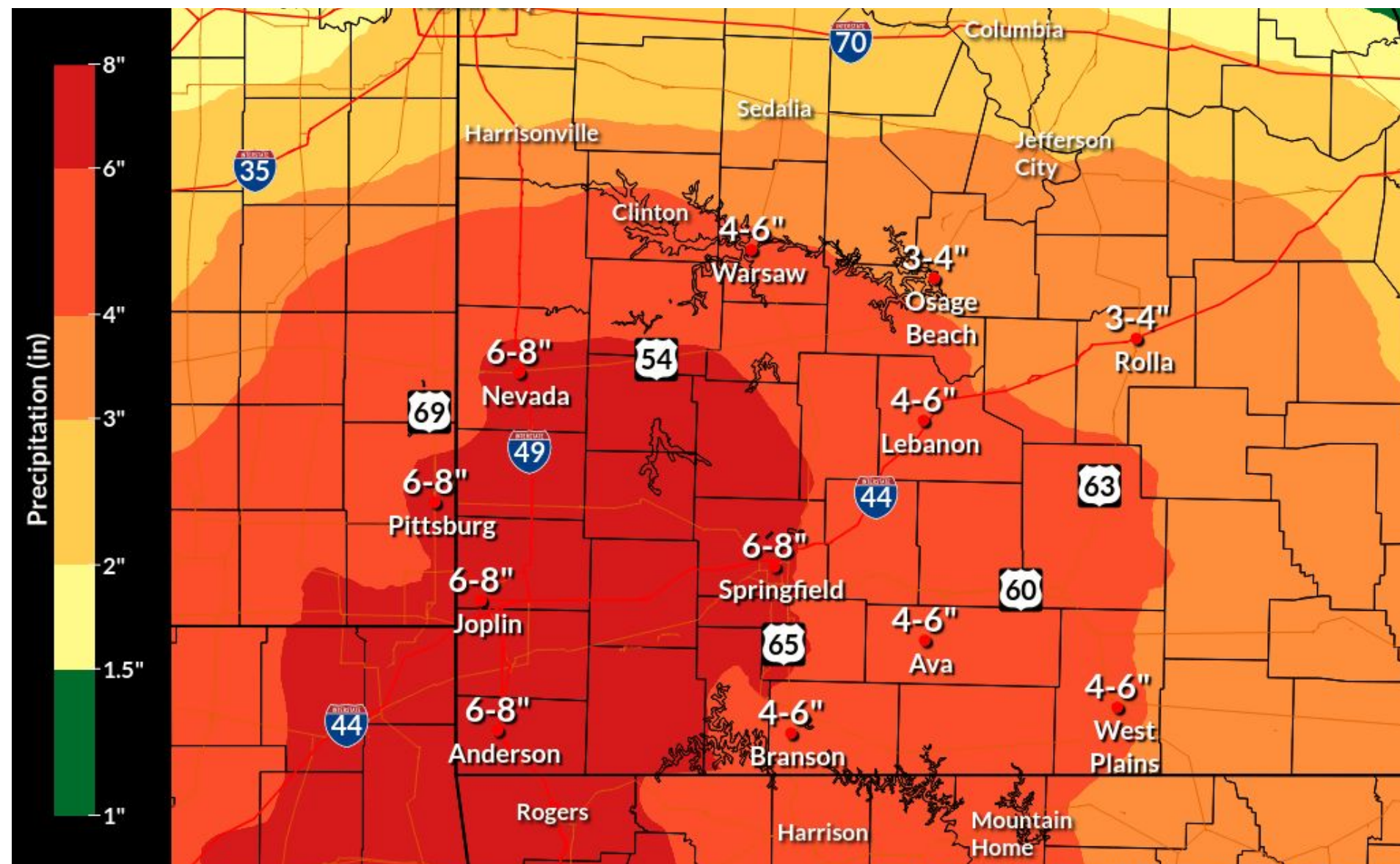
NEW

Important Updates

- Adjustments to rainfall amounts
- Infographic for flood safety while camping. Emphasis on floating/camping/outdoor impacts given busy holiday weekend.

Next Scheduled Briefing

- Thursday evening by 5 PM



Forecast Rainfall Friday Through Monday



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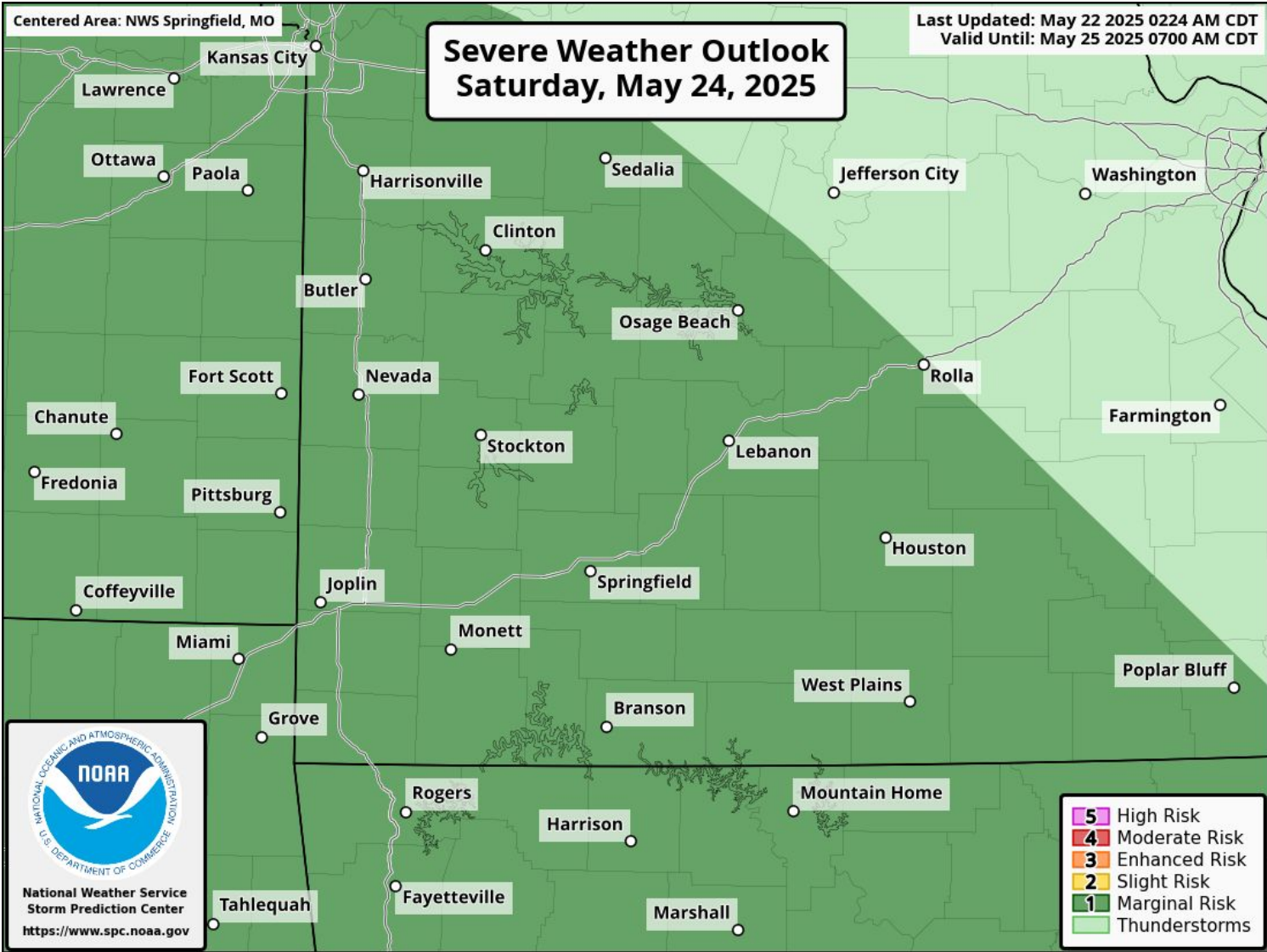
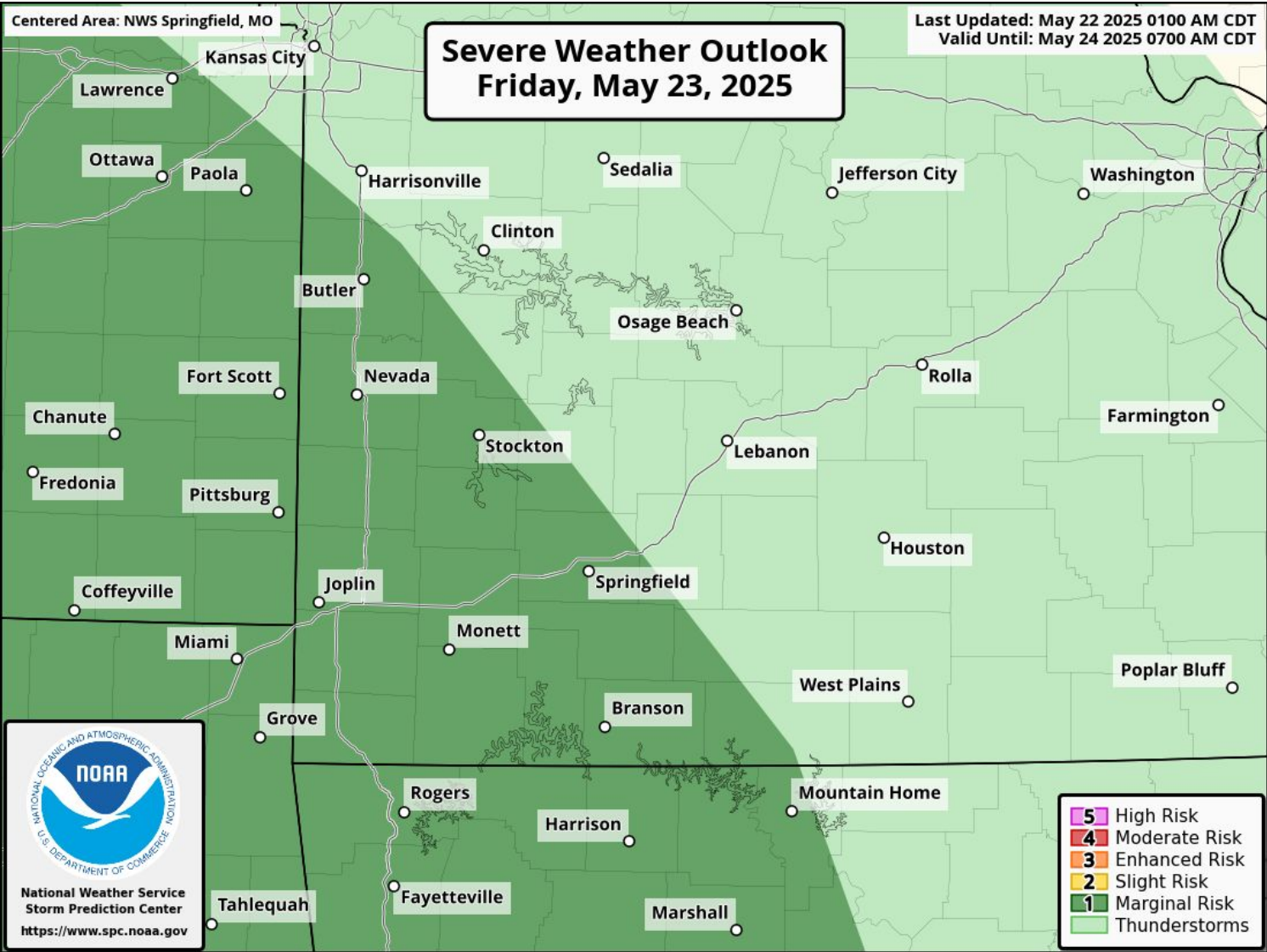
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SPC Day 2 and 3 Outlooks

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Large hail and damaging winds the primary threats



 **Large Hail**
→ Up to 1 inch

 **Damaging Wind**
→ Localized up to 60 mph.

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Flooding Concerns Friday - Memorial Day

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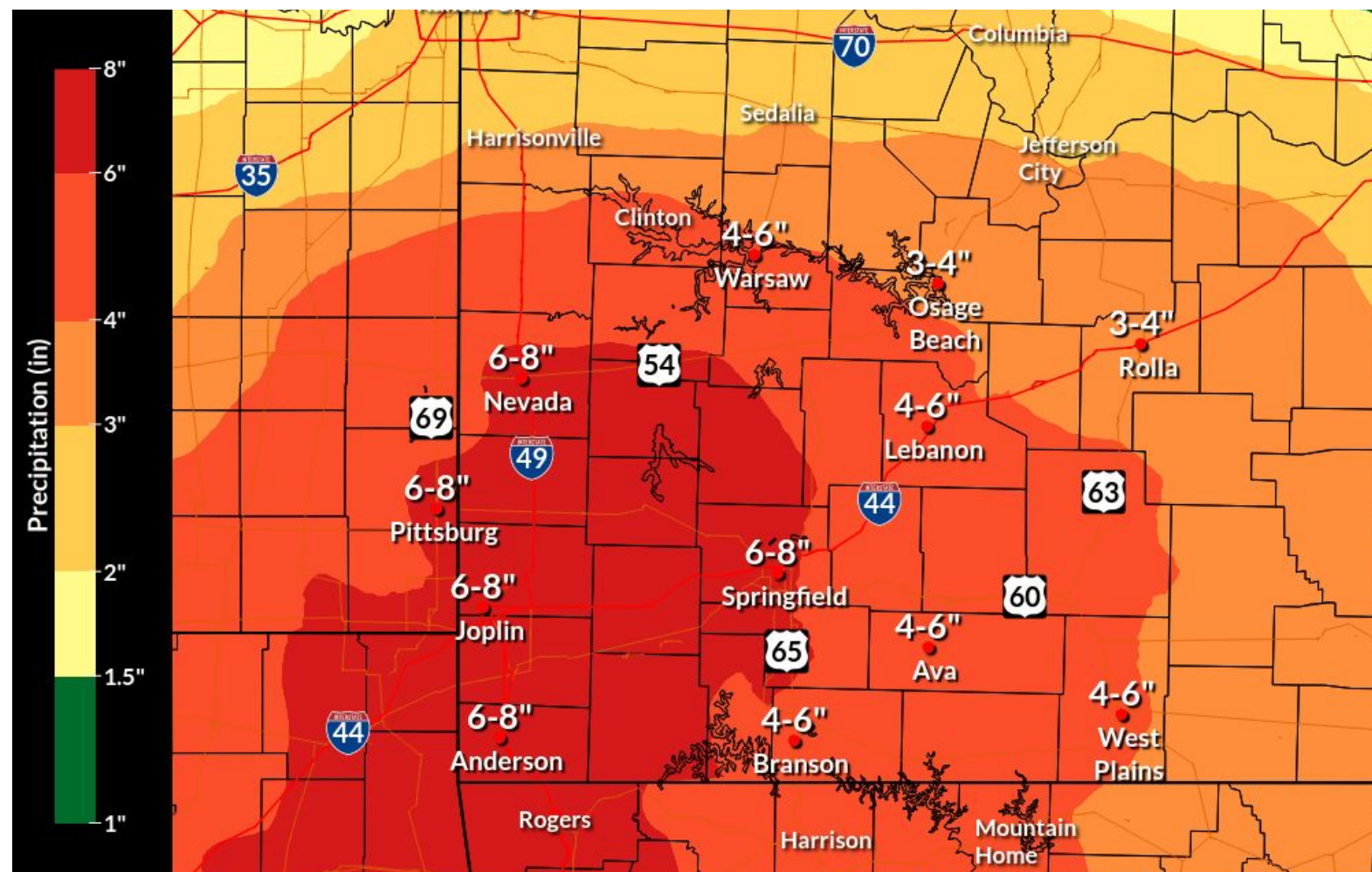
Friday through Monday

What

- The first of several rounds of rain will begin on Friday, and rain will continue through the holiday weekend.
- Soils are already saturated from recent rains and streamflows are already elevated, leading to concerns about flooding throughout the weekend.
- Heaviest rainfall is expected in three semi-distinct rounds. Exact locations of heavier rainfall bands will be determined by subtle movements of the front.

Timing

- First round of heavy rain Friday night into Saturday morning
- Second round of heavy rain Saturday night into Sunday morning
- Third round of heavy rain Sunday night into Monday morning



Forecast Rainfall Friday Through Monday

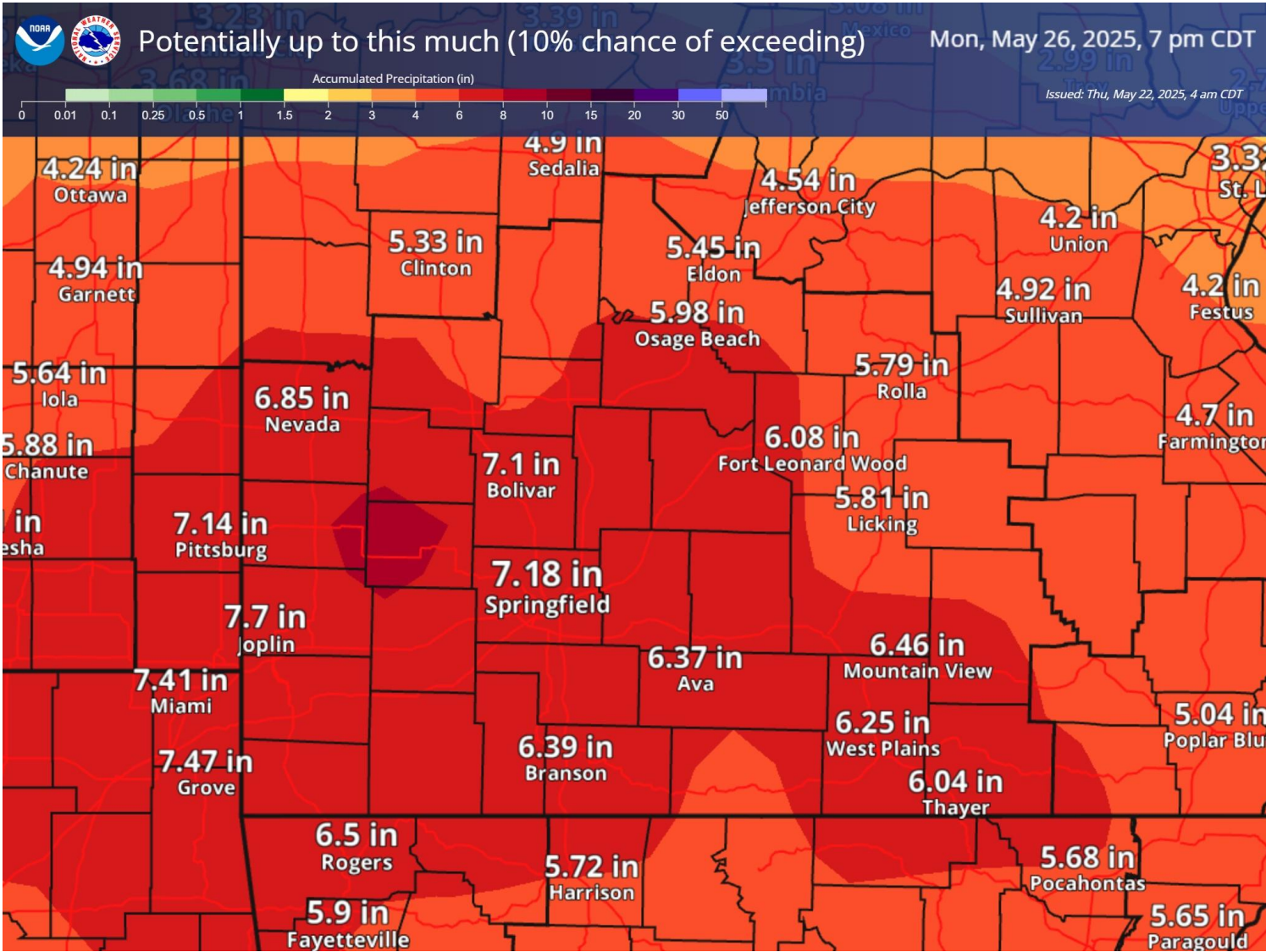
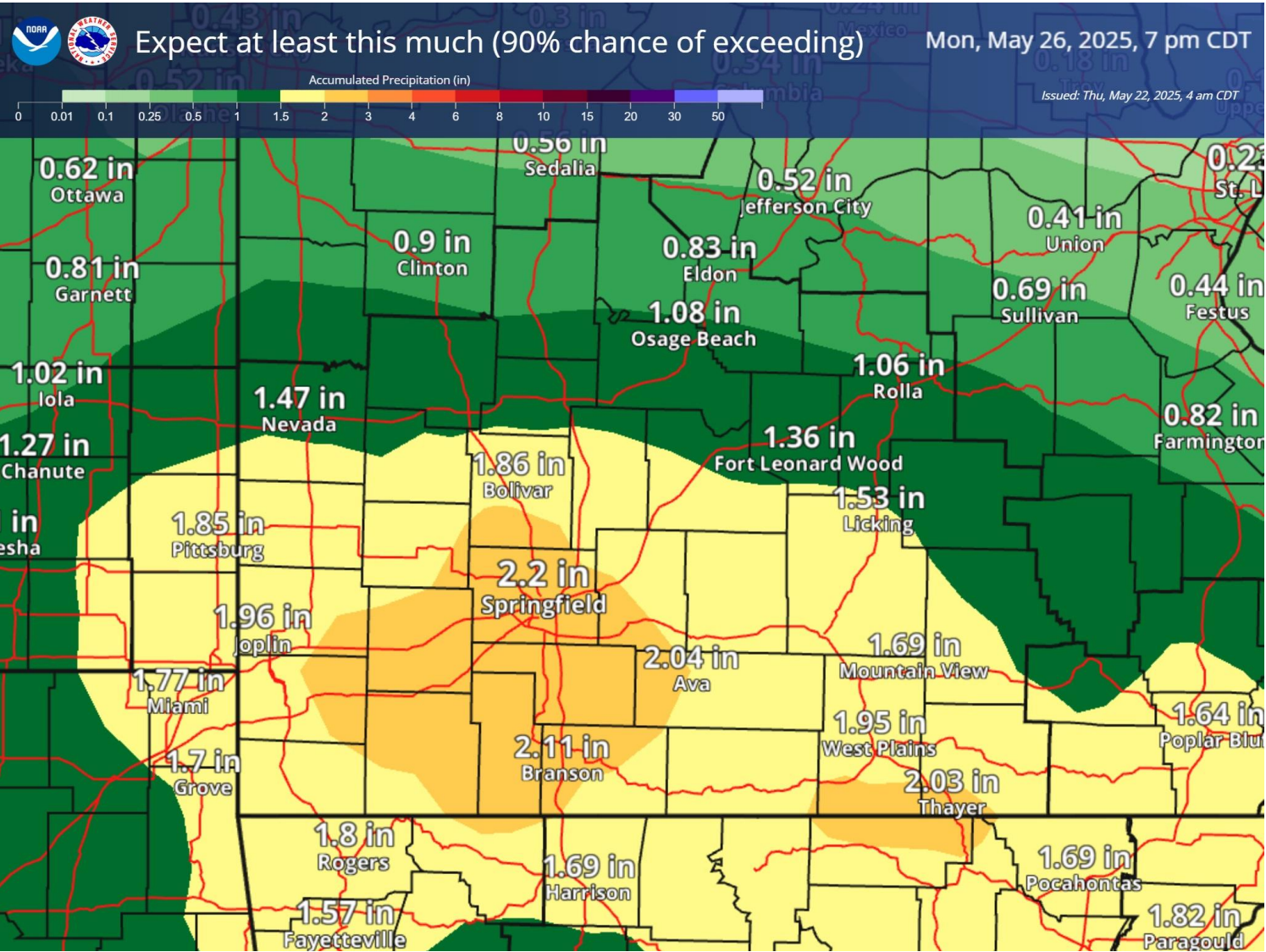




Rainfall Ranges

Friday - Monday

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Locally higher values possible



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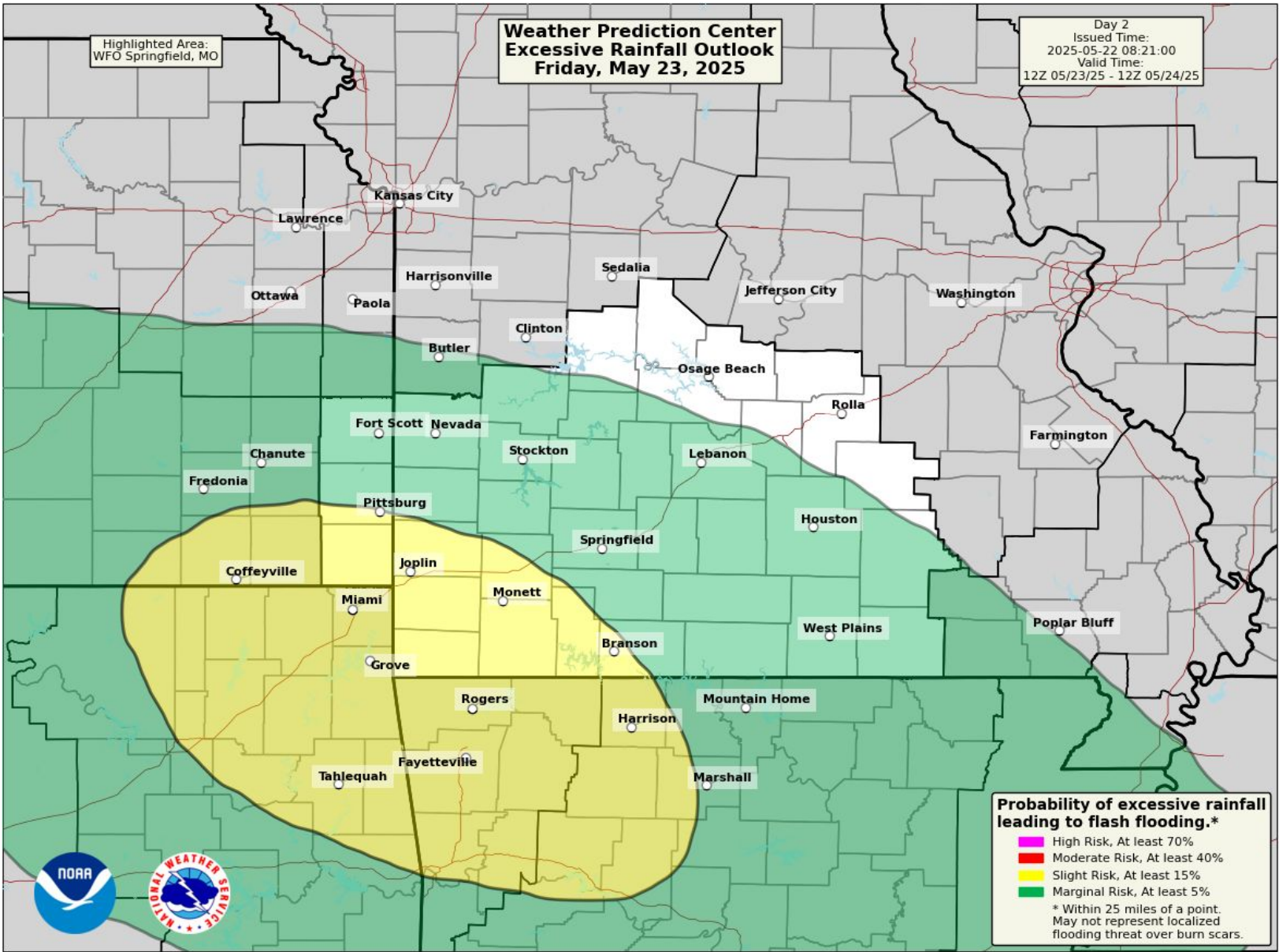
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Excessive Rainfall Outlooks

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Friday



Excessive Rainfall Outlook - Friday

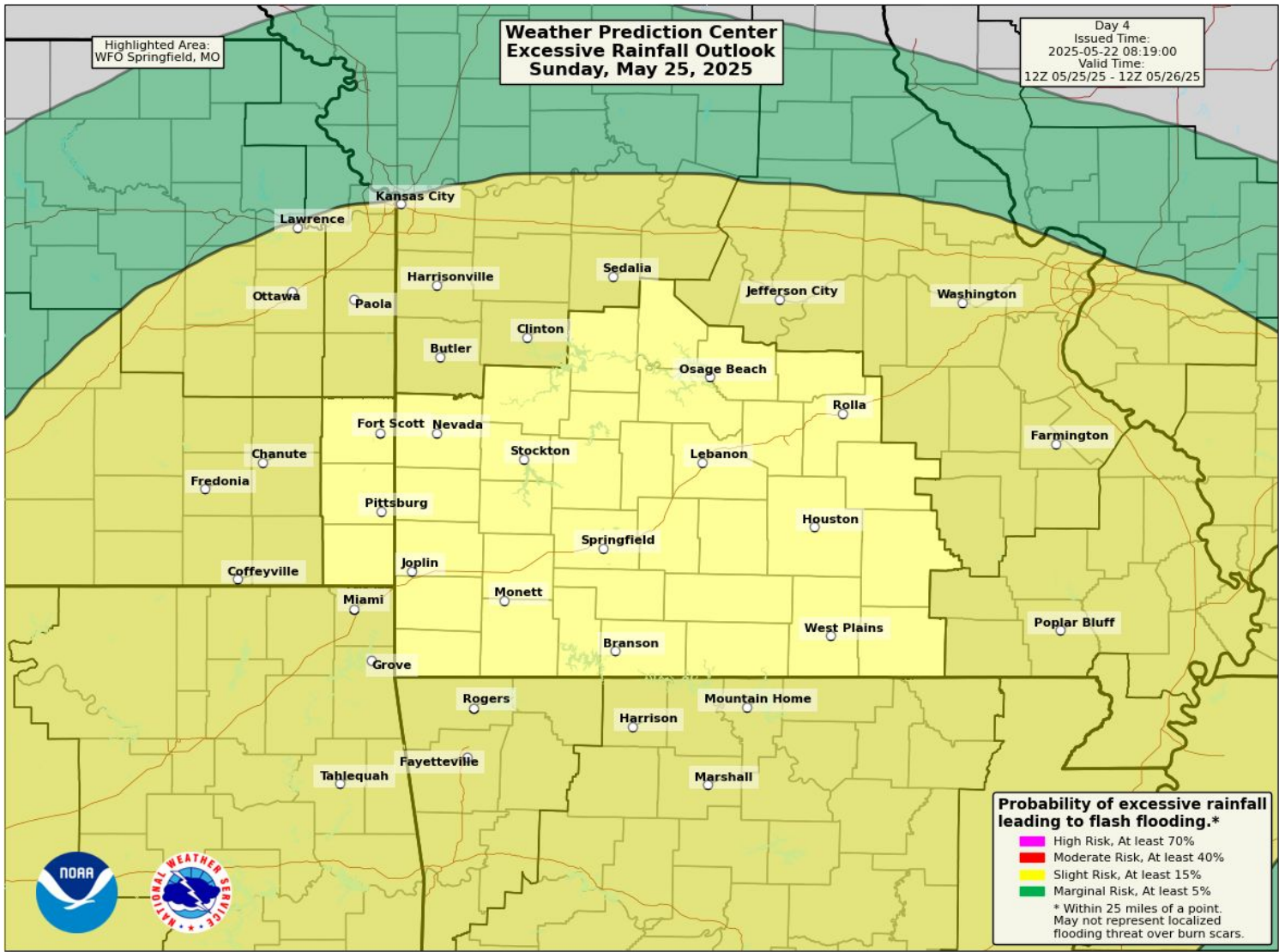
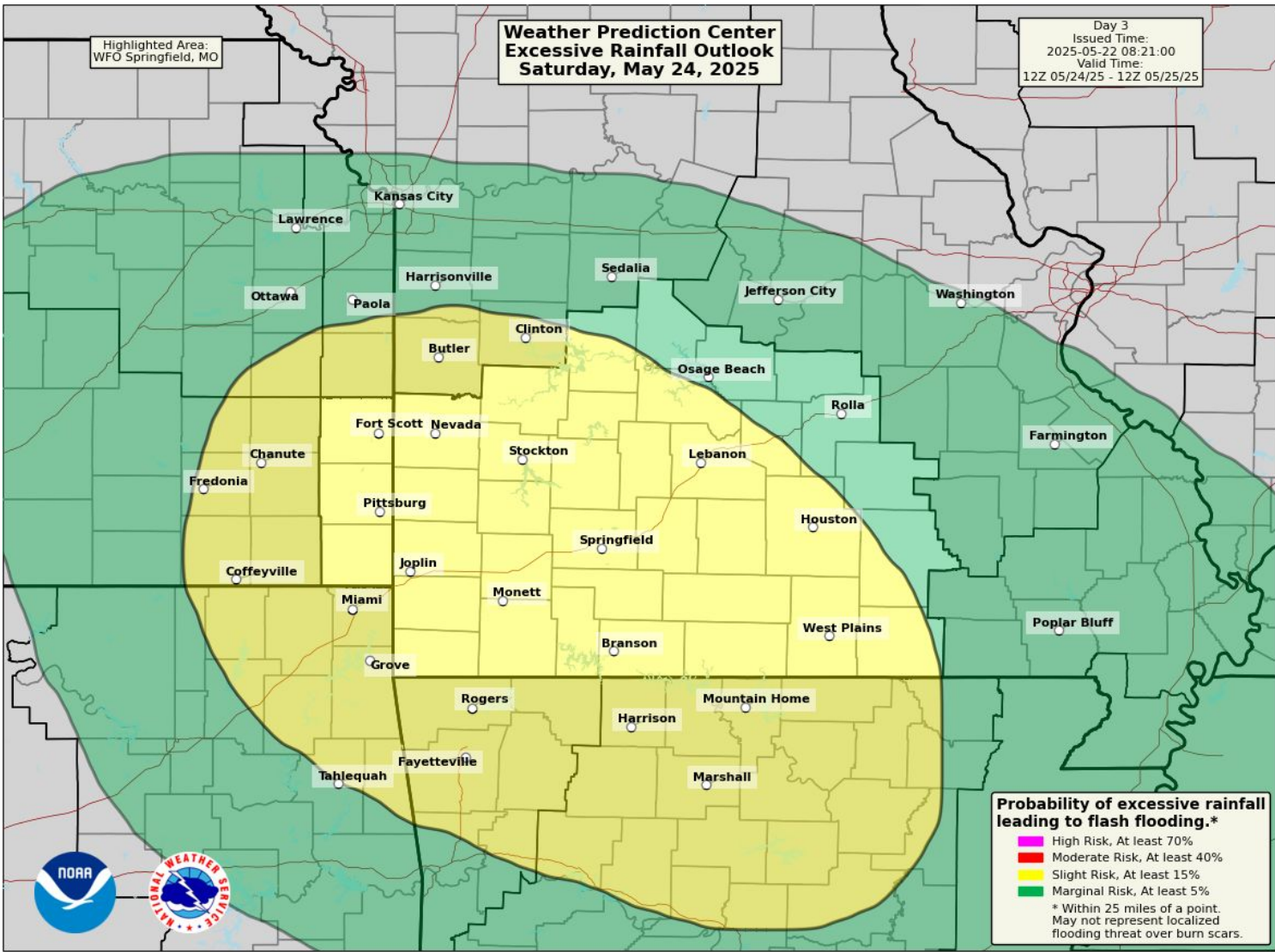




Excessive Rainfall Outlooks

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Saturday and Sunday



Excessive Rainfall Outlook - Saturday

Excessive Rainfall Outlook - Sunday



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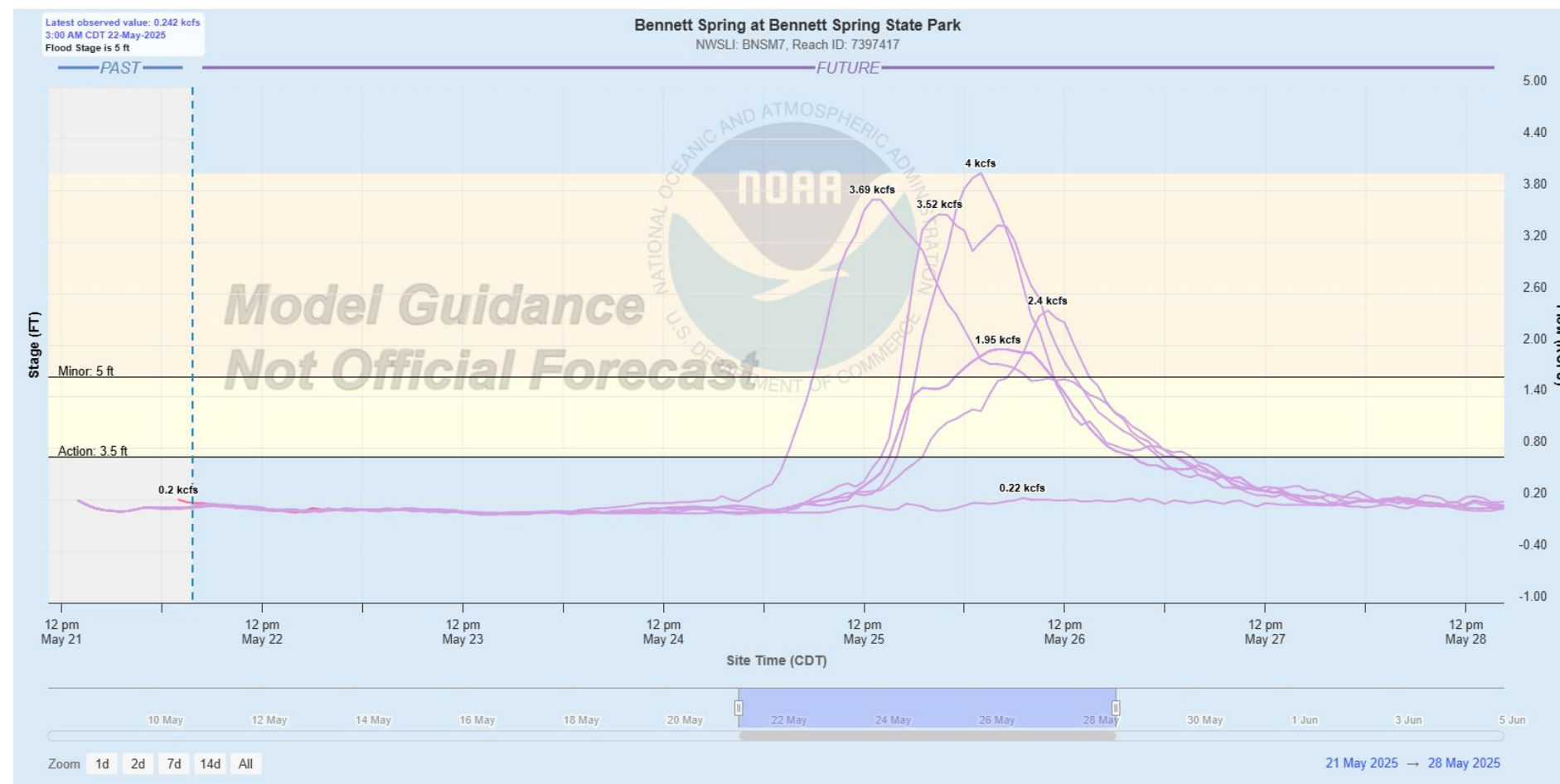


River/Campground Flooding

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Emphasis on camping/floating

- The busy Memorial day weekend will see increased recreational activities on rivers and streams across the area.
- Use of experimental river modeling on this and following pages is meant to give a generalized idea of potential severity and timing of flooding in order to bring awareness to this concern. ***This information is not an official forecast.***



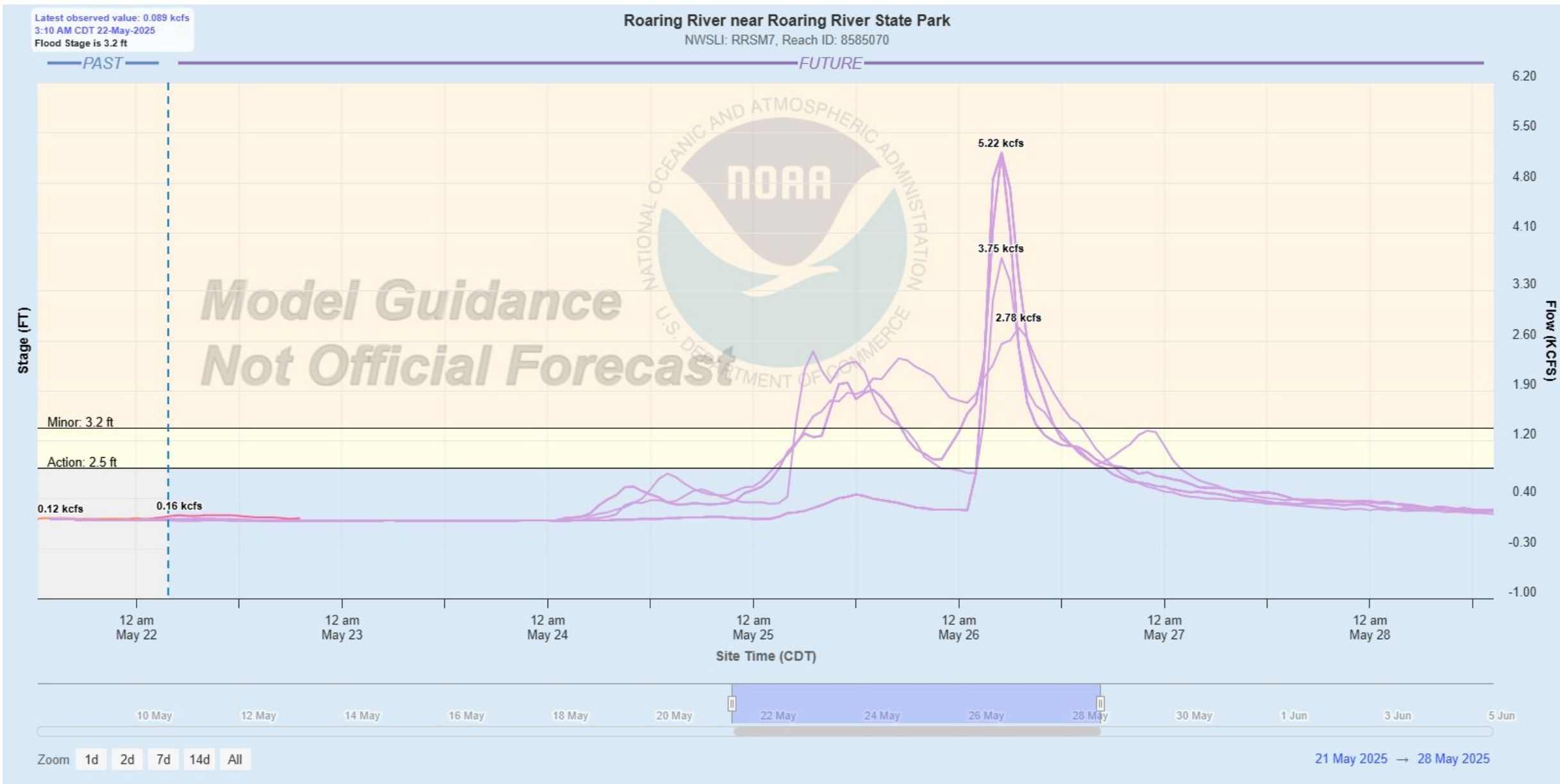
Bennett Spring State Park





River/Campground Flooding

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Roaring River State Park



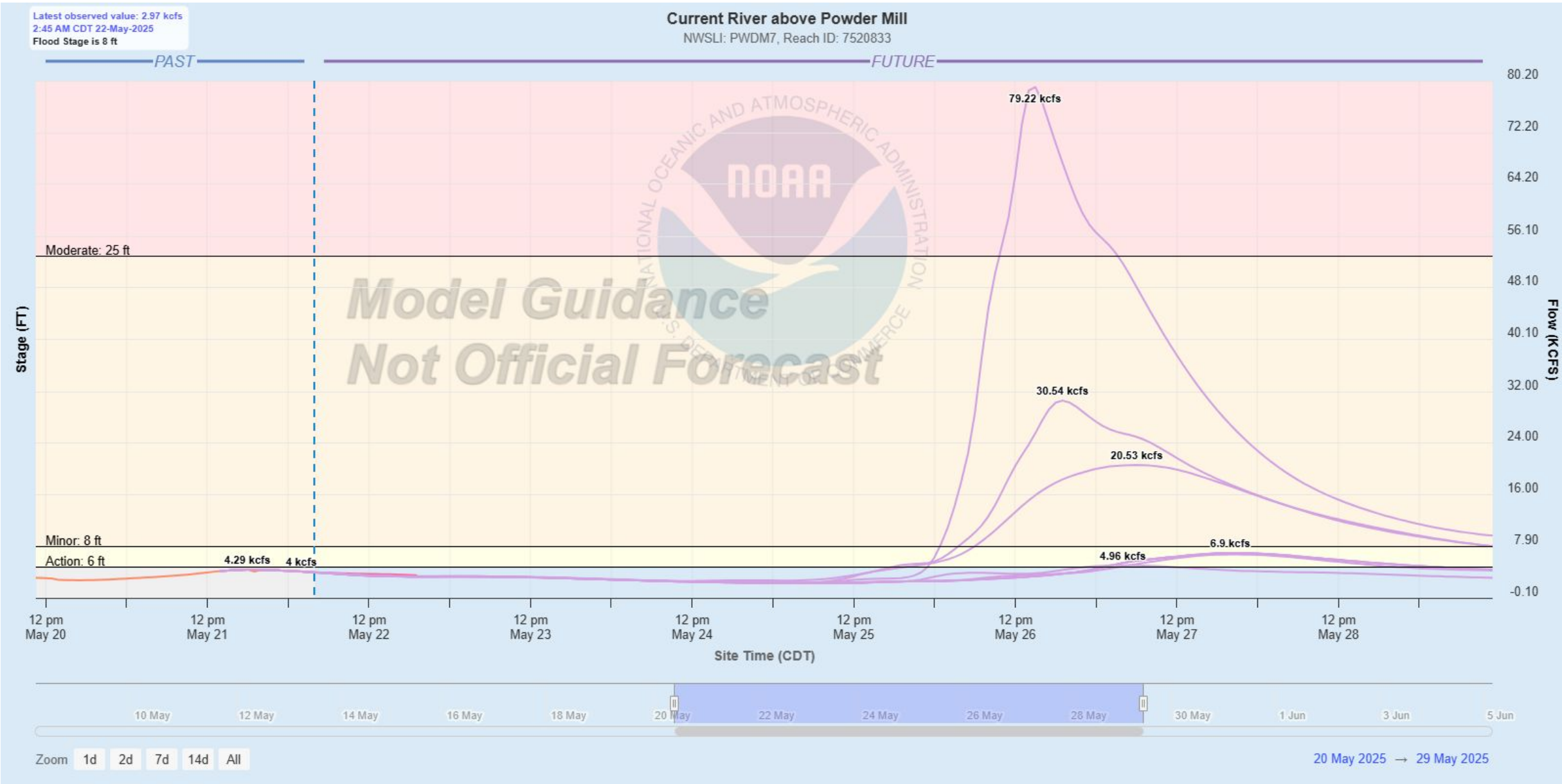
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River/Campground Flooding

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Current River at Powder Mill



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Confidence Levels - Flooding

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Location



Timing



Amounts



Confidence Details

- Rainfall amounts will be highly dependent on where a warm front stalls, which is still in question. Small wiggles in the axis/axes of higher rainfall amounts are likely until the event.
- As higher-resolution models start to pick up on the system, the potential for localized higher amounts will become more clear.

Alternate Scenarios

- If the front stalls further north, warmer and more unstable air will allow for a greater severe threat over the weekend.



Additional Resources

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For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [Probabilistic QPF Experiment Webpage](#)
- [WPC Excessive Rainfall Outlooks](#)
- [WPC Precipitation Outlooks](#)
- [AHPS Lakes and Rivers](#)
- [Submit Storm Reports](#)

BEWARE OF FLOODS WHEN CAMPING



Heavy rain can quickly cause flash flooding. Use caution if camping near a stream, river, or in a low-lying area.



Stay informed. Be able to get the forecast online or with a NOAA Weather Radio.



Get to higher ground immediately if alerted to flooding.



Never walk or drive through floodwater. It only takes 6 inches to knock you over and only 12 inches to sweep a car way.



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