



Active Stretch of Weather

May 15, 2025
4:28 AM

Today into Early Next Week

Key Messages

- An active stretch of weather will begin today, lasting into early next week.
- There is a Marginal (level 1 of 5) risk for severe storms this afternoon and evening.
- There is an Enhanced (level 3 of 5) risk for severe storms on Friday.

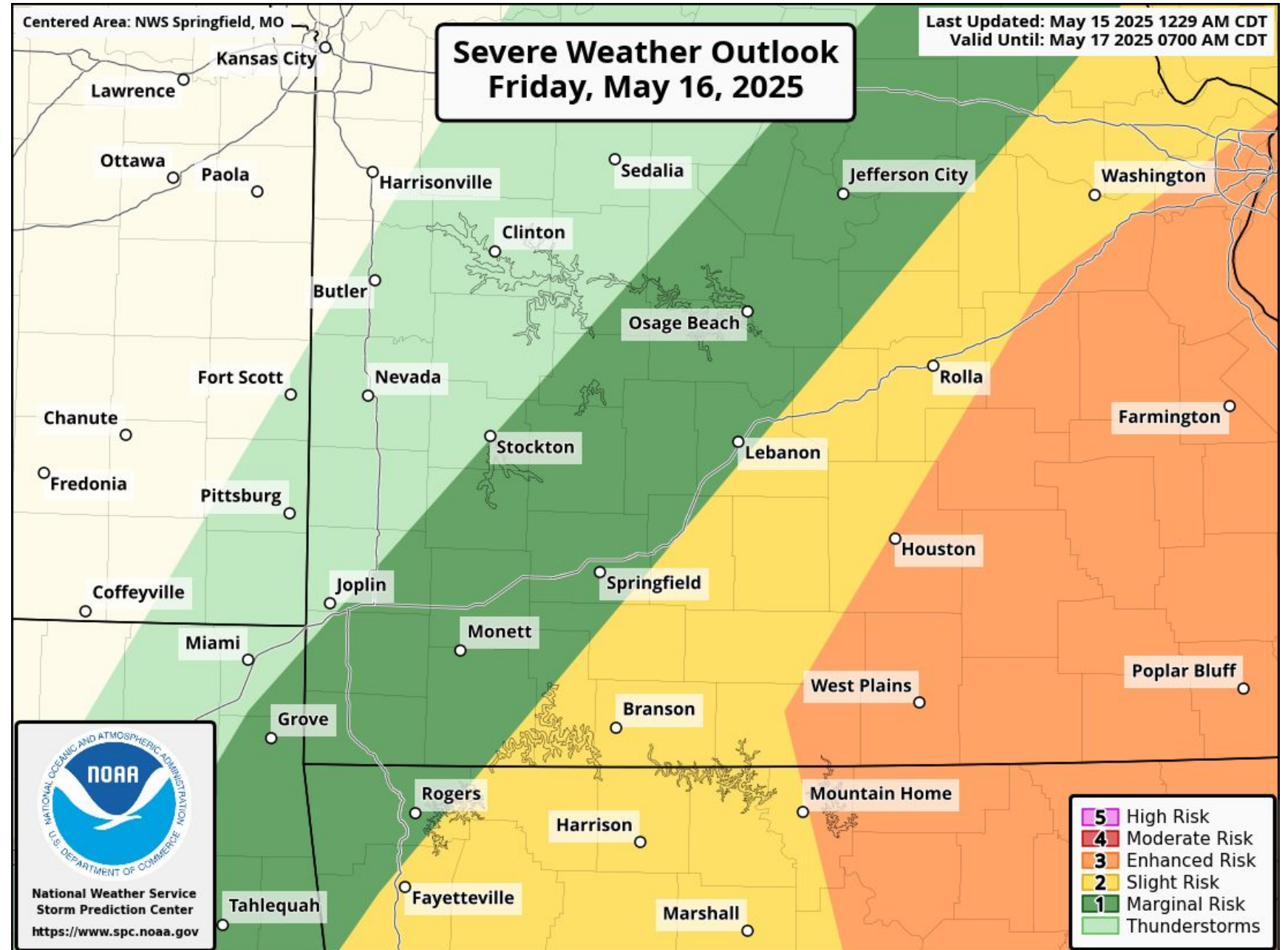
NEW

Important Updates

- Enhanced severe risk was expanded slightly further west on Friday.
- Area of 15% severe risk added for portions of the west on Monday and the entire area on Tuesday.

Next Scheduled Briefing

- By this evening





Severe Outlook for Today

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Low Confidence, but Potential for Very Large Hail

Details



There is a 20-30% chance of thunderstorms across south-central Missouri and the eastern Ozarks this afternoon and evening. If thunderstorms do form, they could produce very large hail up to the size of tennis balls. Many areas west of the Marginal risk will remain dry throughout the day.

Severe Threats



Isolated Tornado

Low risk



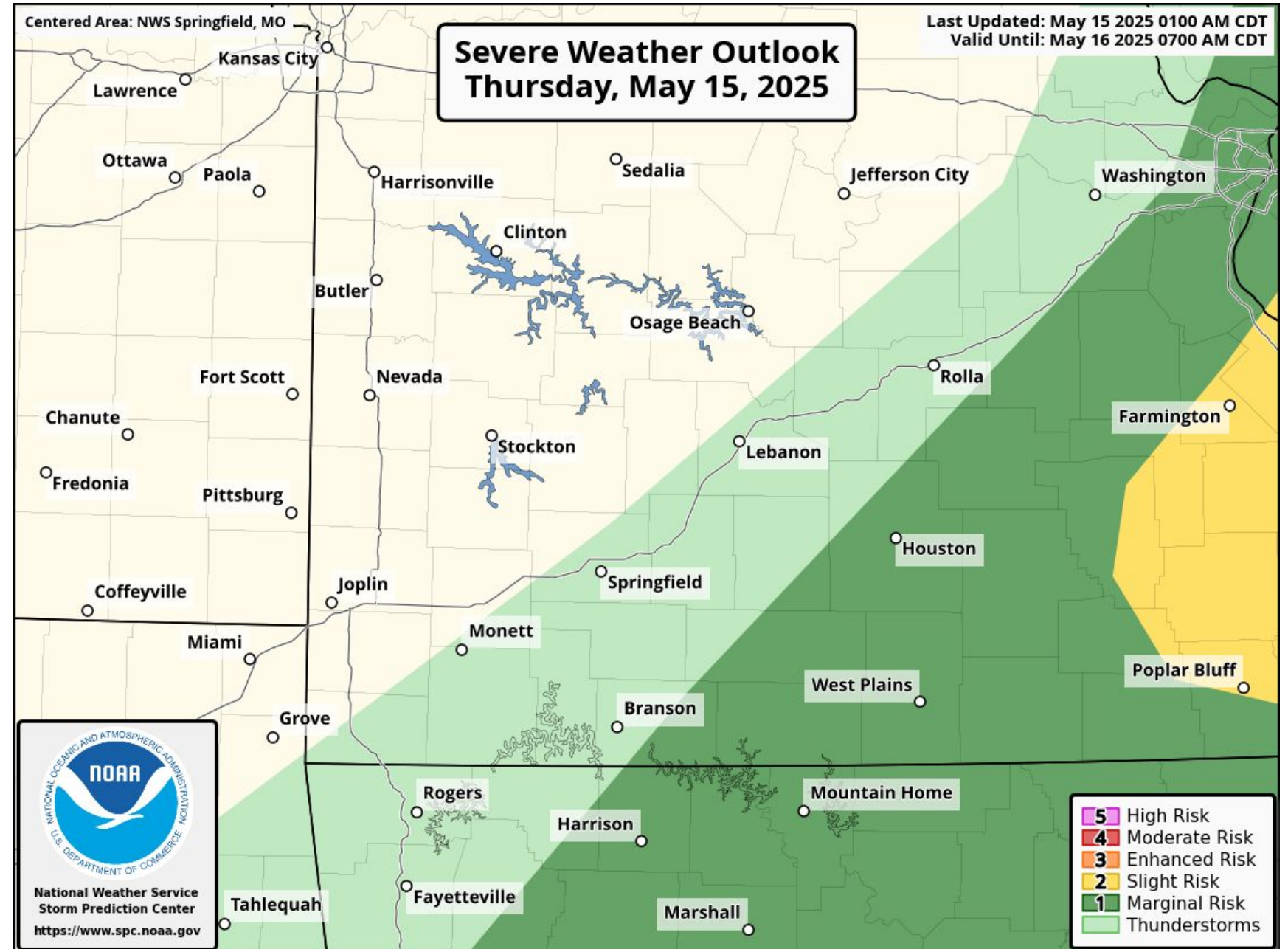
Large Hail

Up to the size of tennis balls



Damaging Wind

Up to 60 mph





Severe Outlook for Friday

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Potential for Hail up to Baseballs and Winds to 70 mph

Details



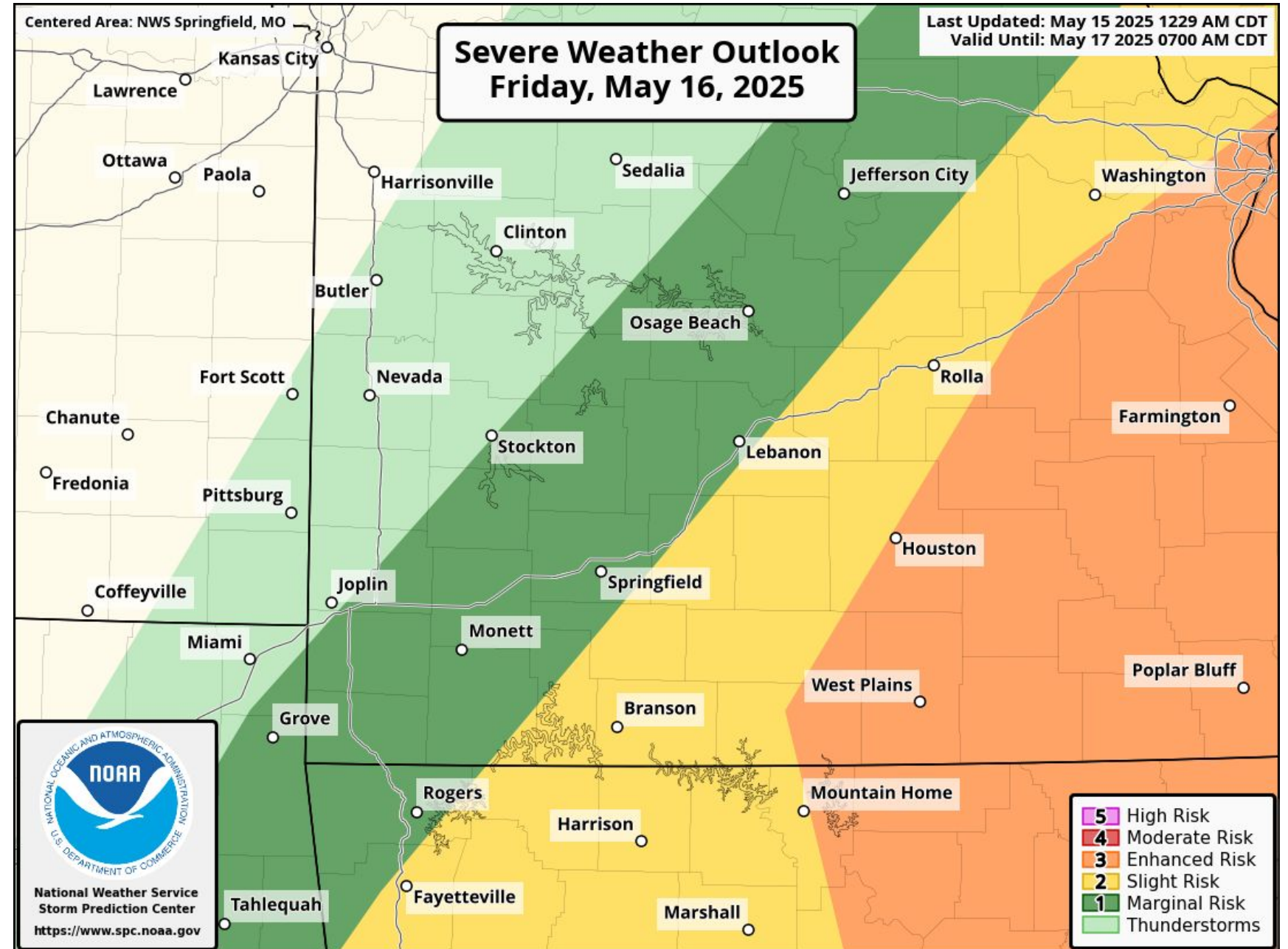
Thunderstorms will develop Friday morning and move across the area through the afternoon. Currently, the highest confidence in severe weather occurring is south of I-44 and east of Highway 65.

Severe Threats

 **Isolated Tornado**

 **Large Hail**
Up to the size of baseballs

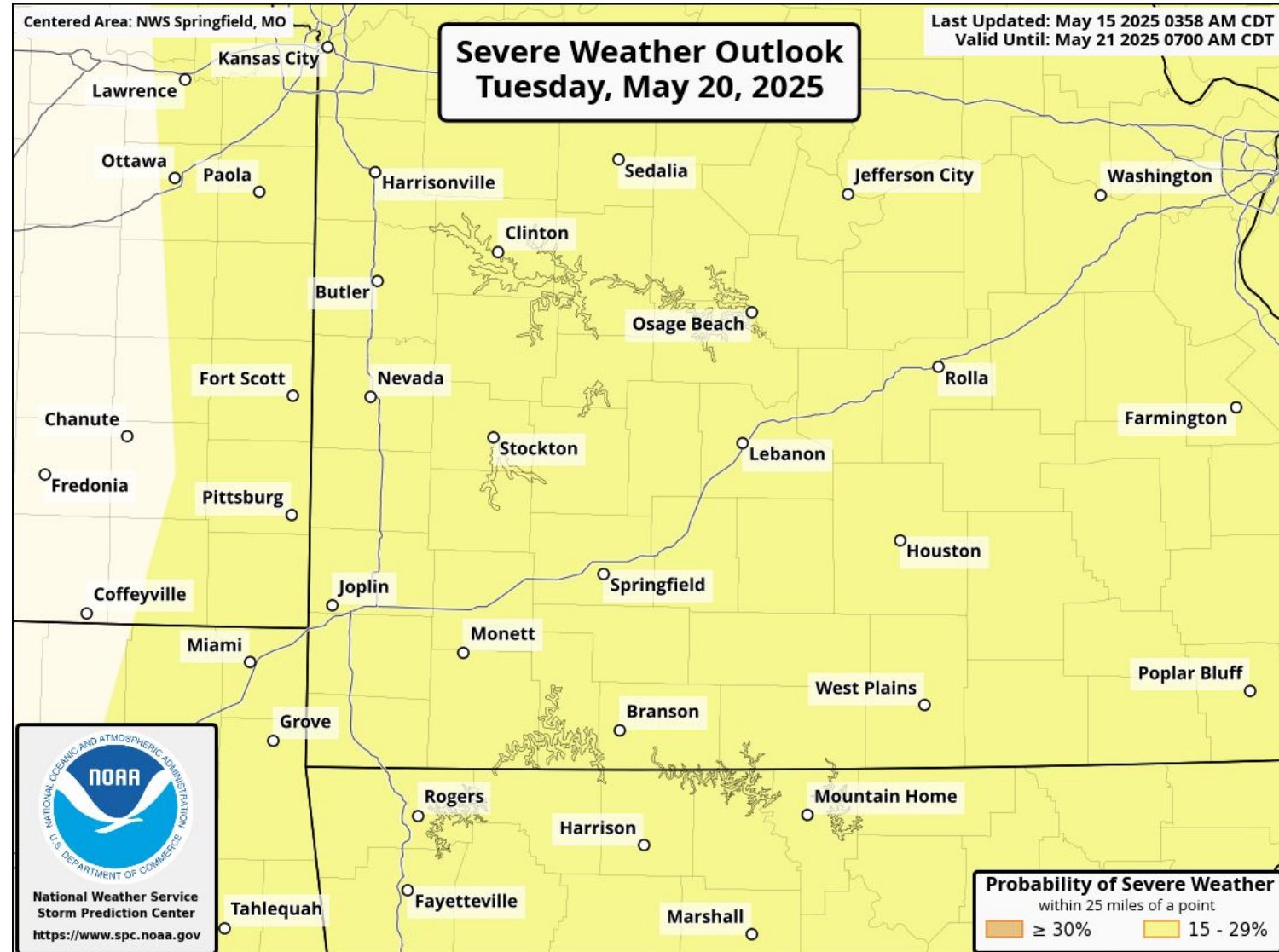
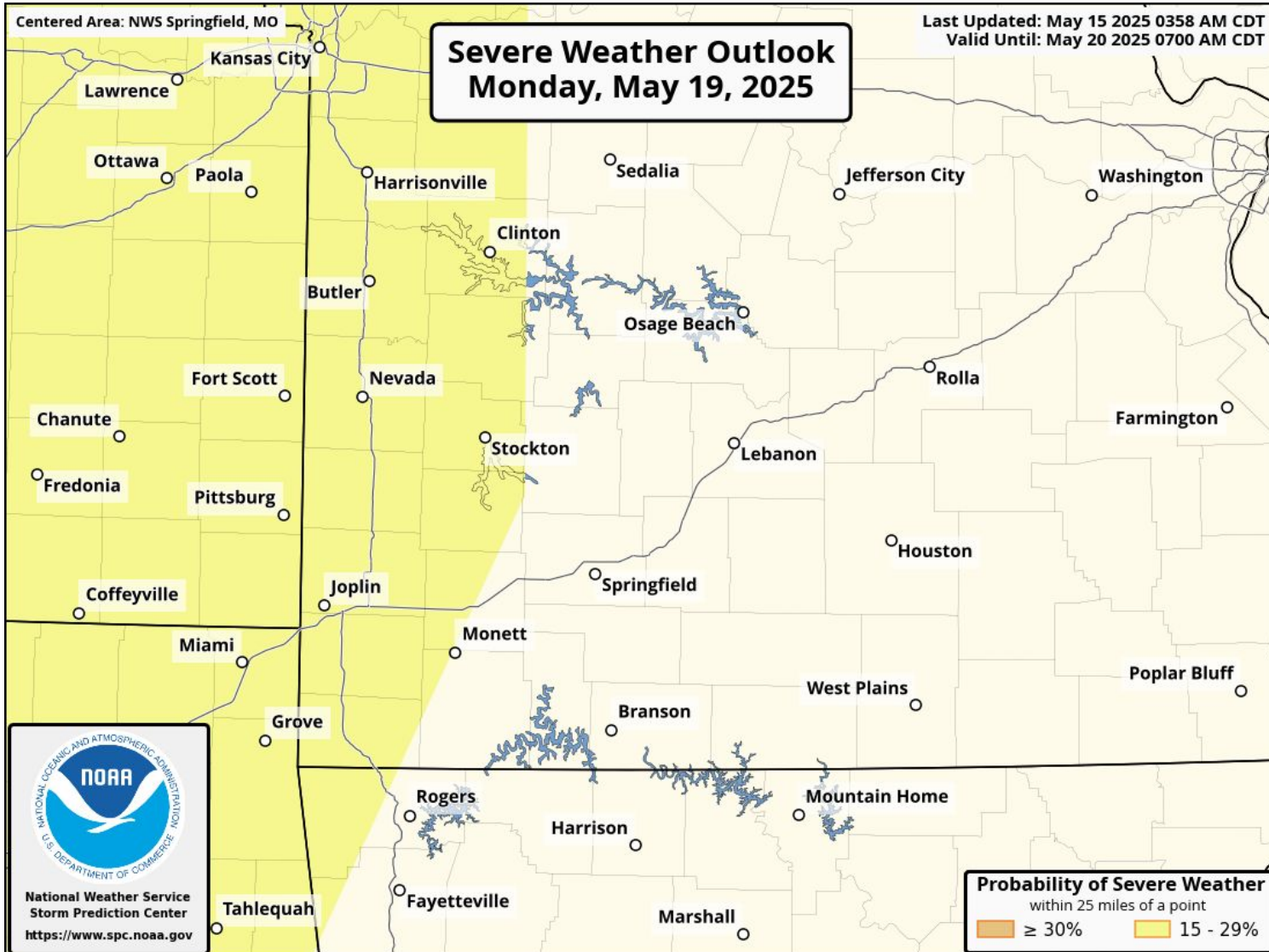
 **Damaging Wind**
Up to 70 mph





SPC Severe Outlooks Monday and Tuesday

May 15, 2025
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Confidence Levels

May 15, 2025
4:28 AM

Today & Friday

Thursday



Friday



Confidence Details

- Today: Confidence is low that severe thunderstorms will be able to develop this afternoon as a cap is in place, but if the cap weakens enough and storms can develop, they will be across south-central Missouri and the eastern Ozarks.
- Friday: Overall confidence in severe weather occurring is higher on Friday compared to Thursday. How early severe storms develop (and therefore their location) remains the most uncertain.

Alternate Scenarios

- Today: A strong cap limits thunderstorm development, and no severe weather occurs in our forecast area.
- Friday: Lingering showers on Friday morning may limit thunderstorm potential later in the day.



Precipitation Chances Continue

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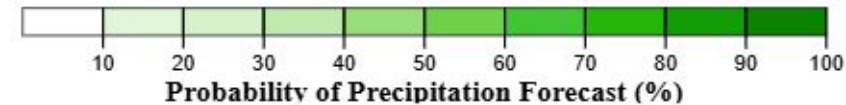
Active Stretch Ahead Saturday Night through Tuesday

Details

Additional rounds of thunderstorms will occur at times across the area Saturday night through Tuesday. Some of these storms may be strong to severe. Additionally, there is the potential for localized heavy rainfall and flooding with this activity.

Probability of Precipitation Forecast (%)

	5/17 Sat				5/18 Sun				5/19 Mon				5/20 Tue				5/21 Wed	
	12am		6am		12pm		6pm		12am		6am		12pm		6pm		12am	6am
Pittsburg, KS	0	0	5	20	50	55	55	55	60	60	55	60	65	65	70	70	25	10
Joplin	5	5	10	20	50	55	55	55	60	60	50	60	60	55	65	65	25	10
Nevada	5	0	5	20	50	55	55	55	70	70	60	70	70	70	70	70	30	10
Monett	5	5	10	25	50	60	60	60	65	65	50	60	60	55	70	70	30	10
Warsaw	5	0	5	15	40	50	50	45	70	70	65	60	75	75	75	75	40	20
Springfield	10	5	10	25	55	60	60	55	65	65	50	65	65	60	70	70	40	15
Branson	10	5	10	20	50	55	55	55	60	60	40	50	50	50	65	65	40	15
Lebanon	10	5	5	25	45	50	55	55	70	70	60	60	65	65	75	75	45	15
Osage Beach	5	5	5	15	35	50	50	45	65	65	60	55	70	70	75	75	45	20
Mountain Grove	15	5	10	20	45	55	60	60	65	65	50	45	55	55	70	70	50	20
Fort Leonard Wood	10	5	5	20	40	50	50	50	65	65	55	50	60	60	70	70	50	20
West Plains	20	10	10	20	45	55	55	55	60	60	45	35	40	40	60	60	55	20
Rolla	10	5	5	15	35	45	45	40	65	65	60	45	60	60	75	75	55	20



Created: 4 am CDT Thu 5/15/2025 | Values are maximums over the period beginning at the time shown.
(Sorted geographically from West to East)




Additional Resources

For Additional Information


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

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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