



Active Weather Continues This Week

April 4, 2025
4:48 AM

High Flooding Concern with Some Severe Storms

Key Messages

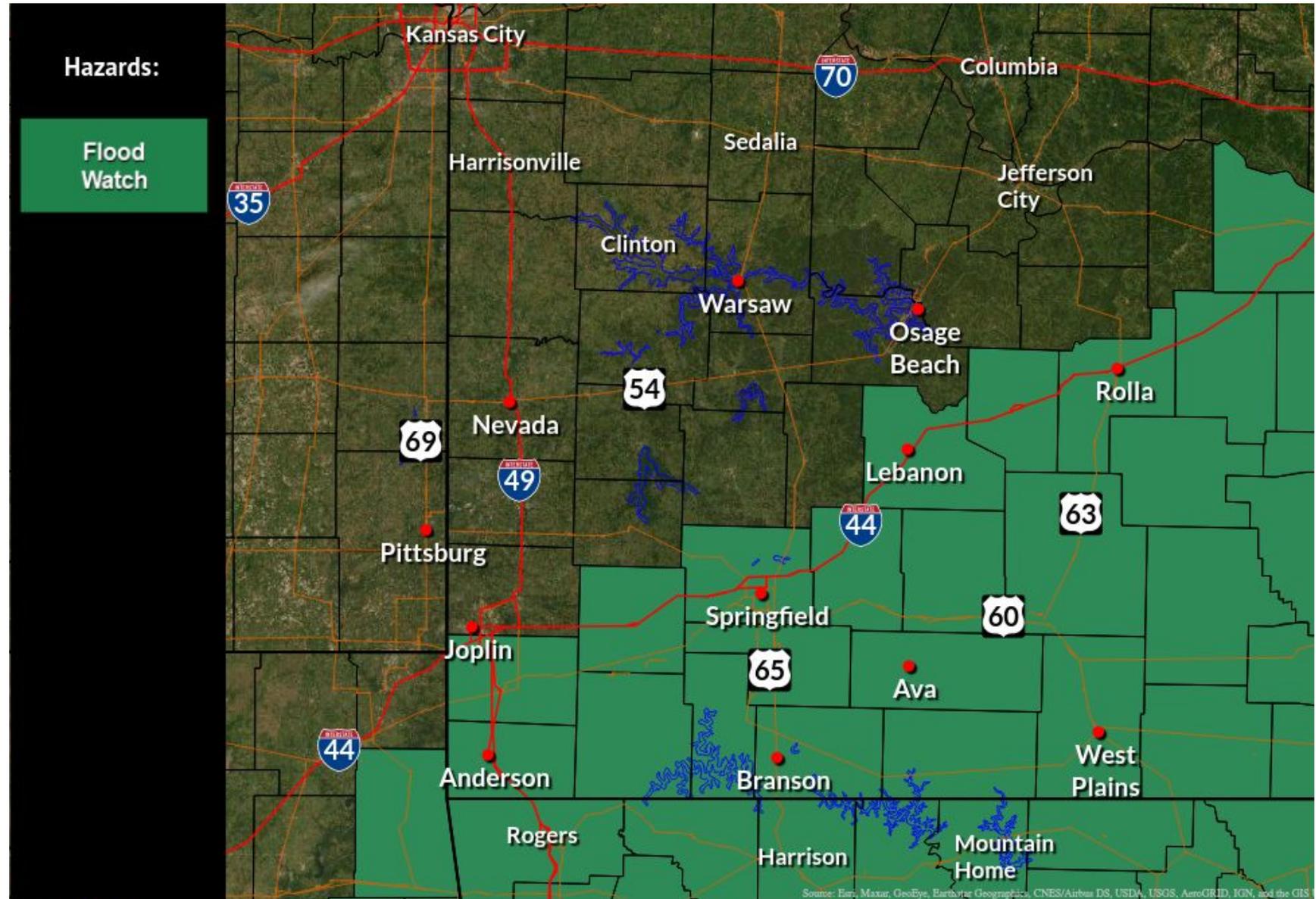
- Slight (2 of 5) to Moderate (4 of 5) risk for severe storms this evening with golf ball size hail as the primary hazard.
- Confidence and concern continues to increase for the for heavy rainfall and potentially significant flooding this weekend.
- A Flood Watch is in effect through Saturday evening.

NEW Important Updates

- Moderate Risk for severe weather has been added to far southeast Missouri.

Next Scheduled Briefing

- Friday Afternoon, April 4



Flood Watch (Through Saturday PM)



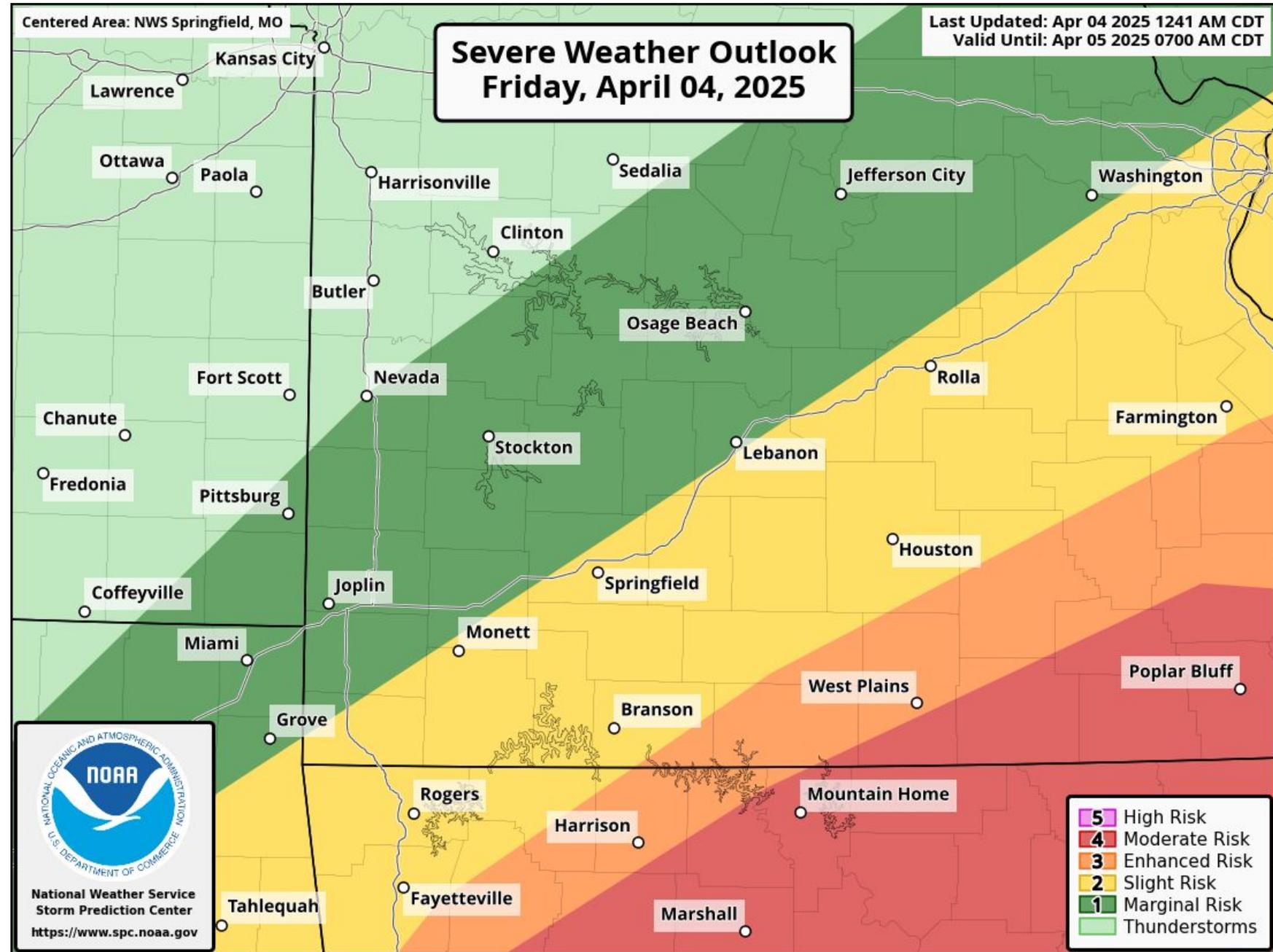
Slight to Moderate Risk Today

April 4, 2025
4:48 AM

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 today.
- 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 a conditional potential for all modes of severe storms, including a tornado risk (with some potentially being strong). This will most likely remain south of the area in northern Arkansas, with are highest area for us near the AR/MO border.

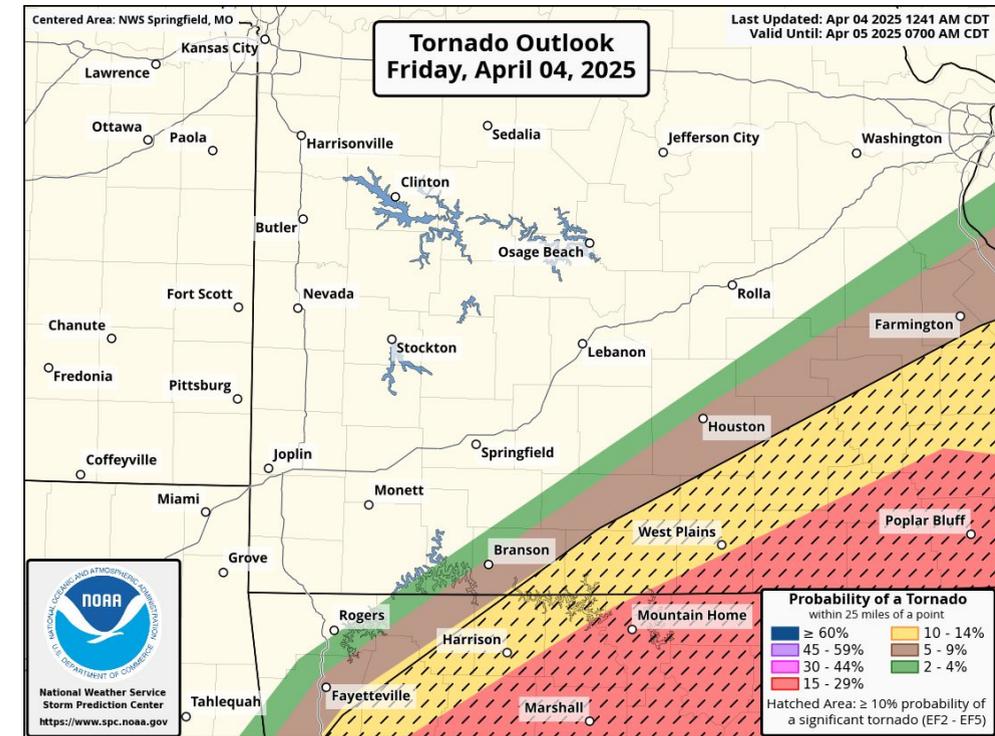
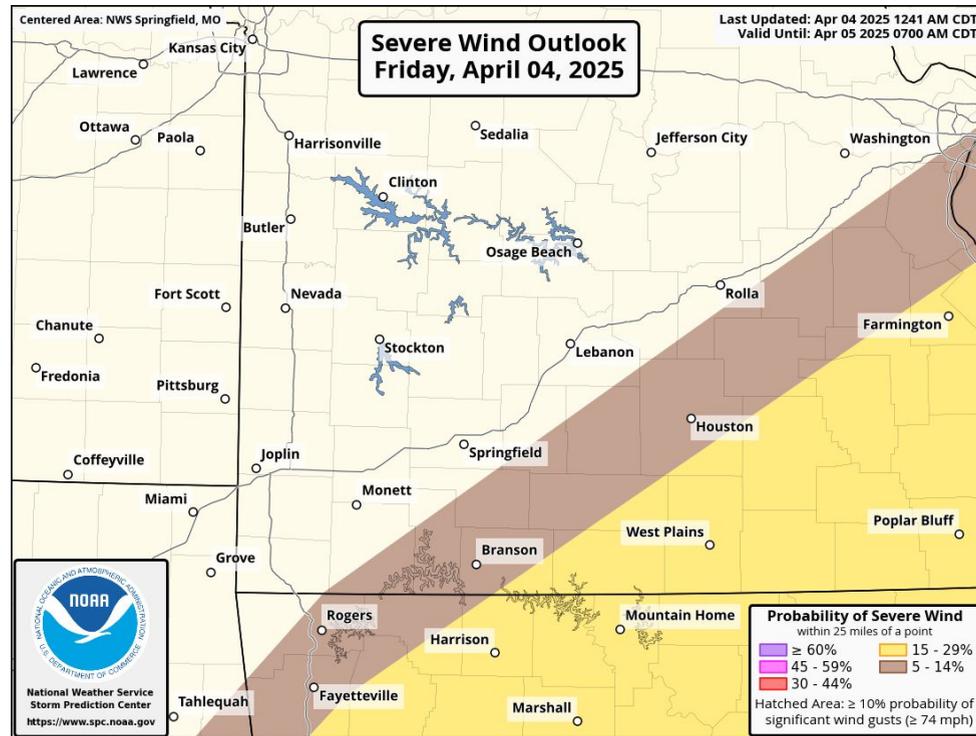
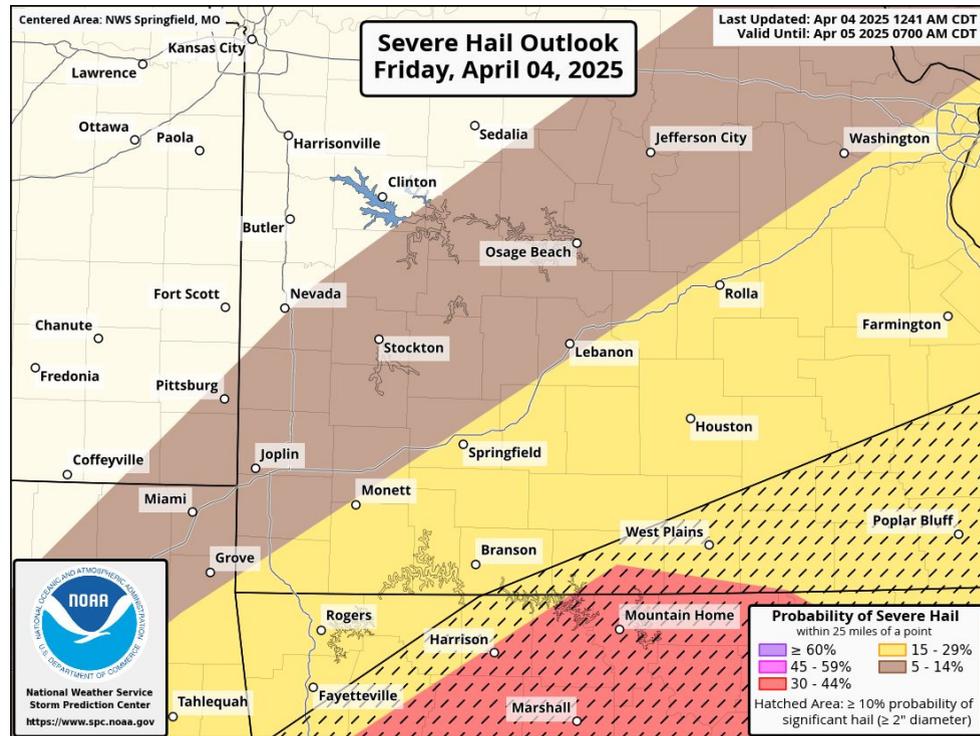




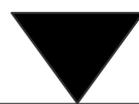
Severe Hazard Probabilities Today

April 4, 2025
4:48 AM

→ **IMPORTANT:** Do not pay too much attention to the exact line positions at this point in time. Any small changes in the position of the warm front will determine exactly where the greatest tornado risk will be.



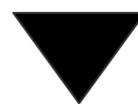
Hail Probability



Pennies	Quarters	Golf Balls	Baseballs
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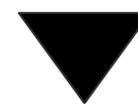
Wind Probability



< 60 mph	60-70 mph	70-80 mph	>80 mph
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Tornado Probability



Very Low	Low	Moderate	High
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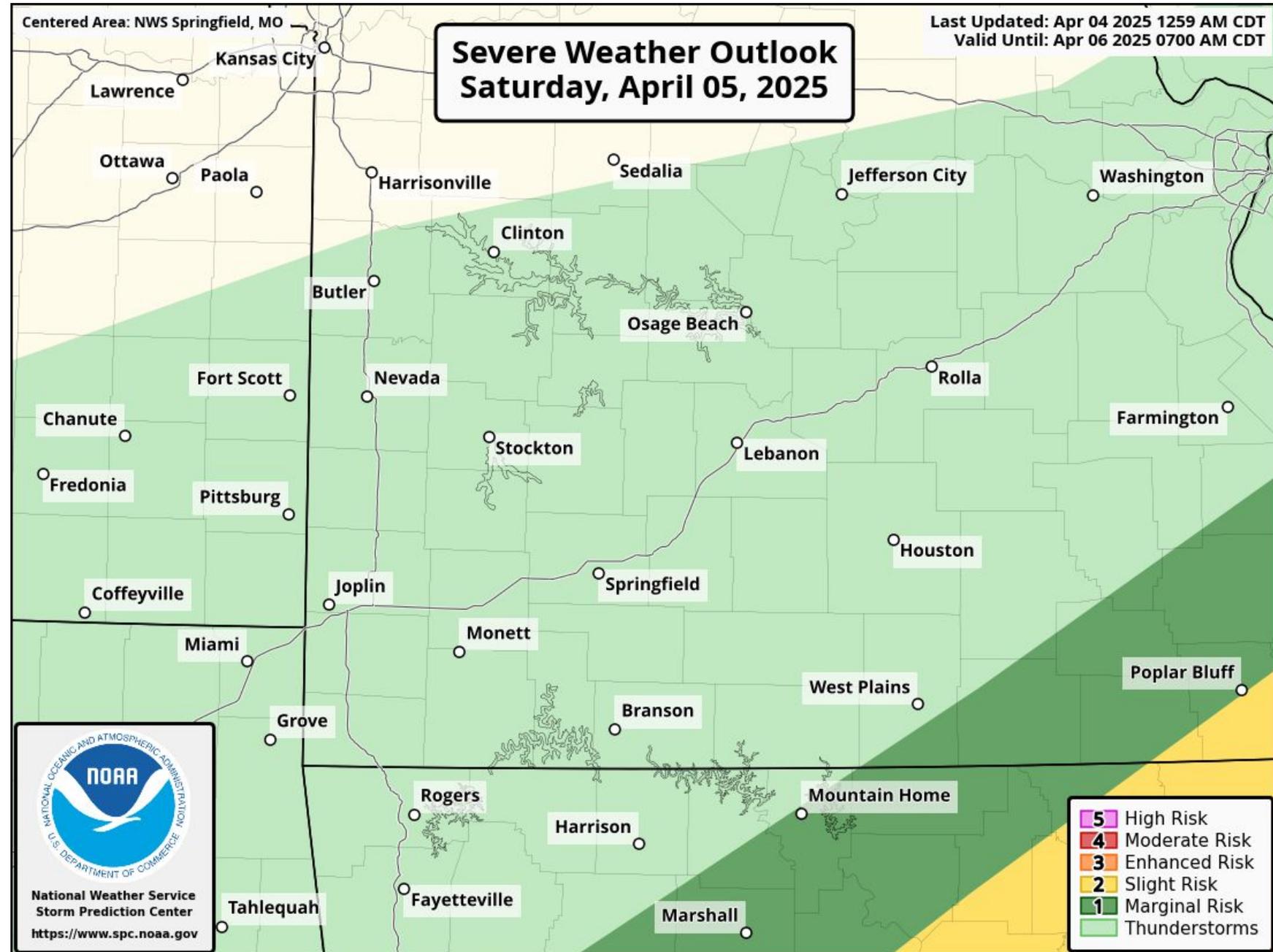
Marginal Risk Saturday

April 4, 2025
4:48 AM

In addition to heavy rainfall

Key Points

- In addition to our last round of persistent heavy rainfall, just enough instability and shear will be in place for some thunderstorms to become strong to severe Saturday
- The most likely hazard will continue to be large hail since most locations will be on the cool side of the front.





Expected Rainfall Amounts

April 4, 2025
4:48 AM

Through Sunday Morning

Key Points

- Expected rainfall totals through the weekend range from around 2 inches in the northwestern portion of the area up to 8+ inches in the far southeast.
- Localized amounts in the southeast may approach 10 inches in the areas with the most rainfall.

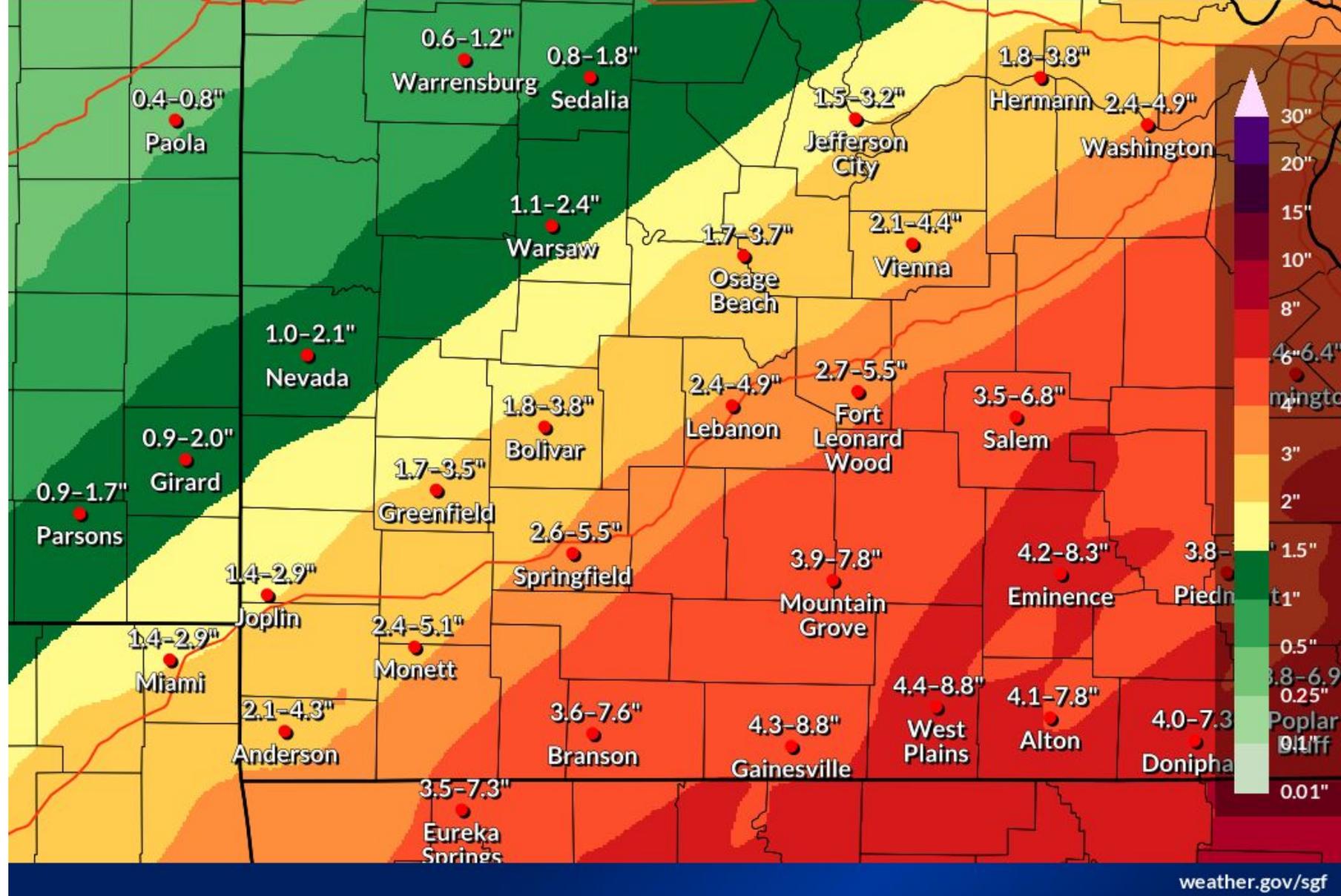
Expected Liquid Precipitation: Official NWS Forecast

Weather Forecast Office
Springfield, MO



Valid 1 AM Fri Apr 4, 2025 through 7 PM Sun Apr 6, 2025

Issued Apr 04, 2025 2:16 AM CDT



weather.gov/sgf



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

National Weather Service
Springfield, MO

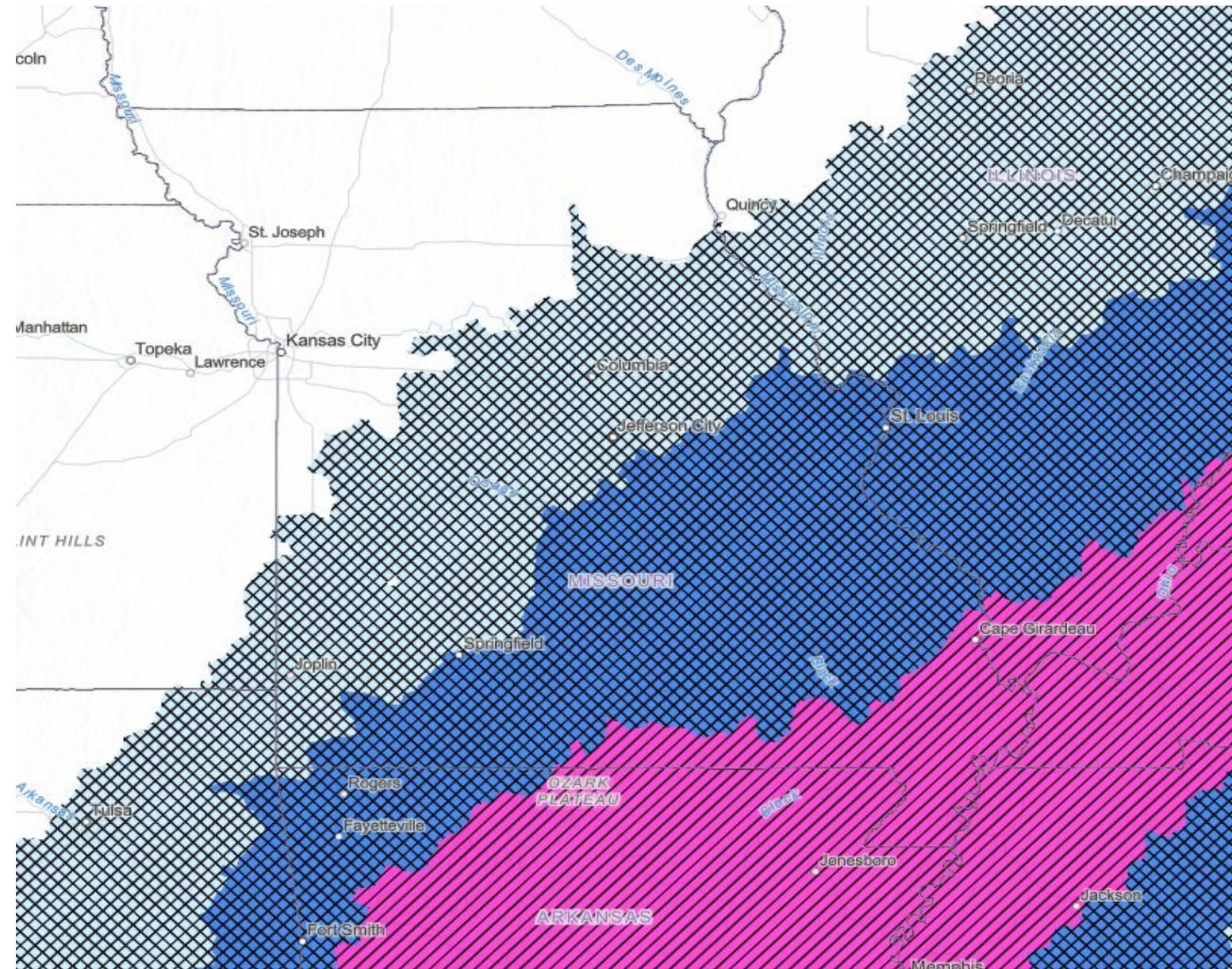


Late Week Flooding Potential

April 4, 2025
4:48 AM

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
2025-04-03 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 4, 2025

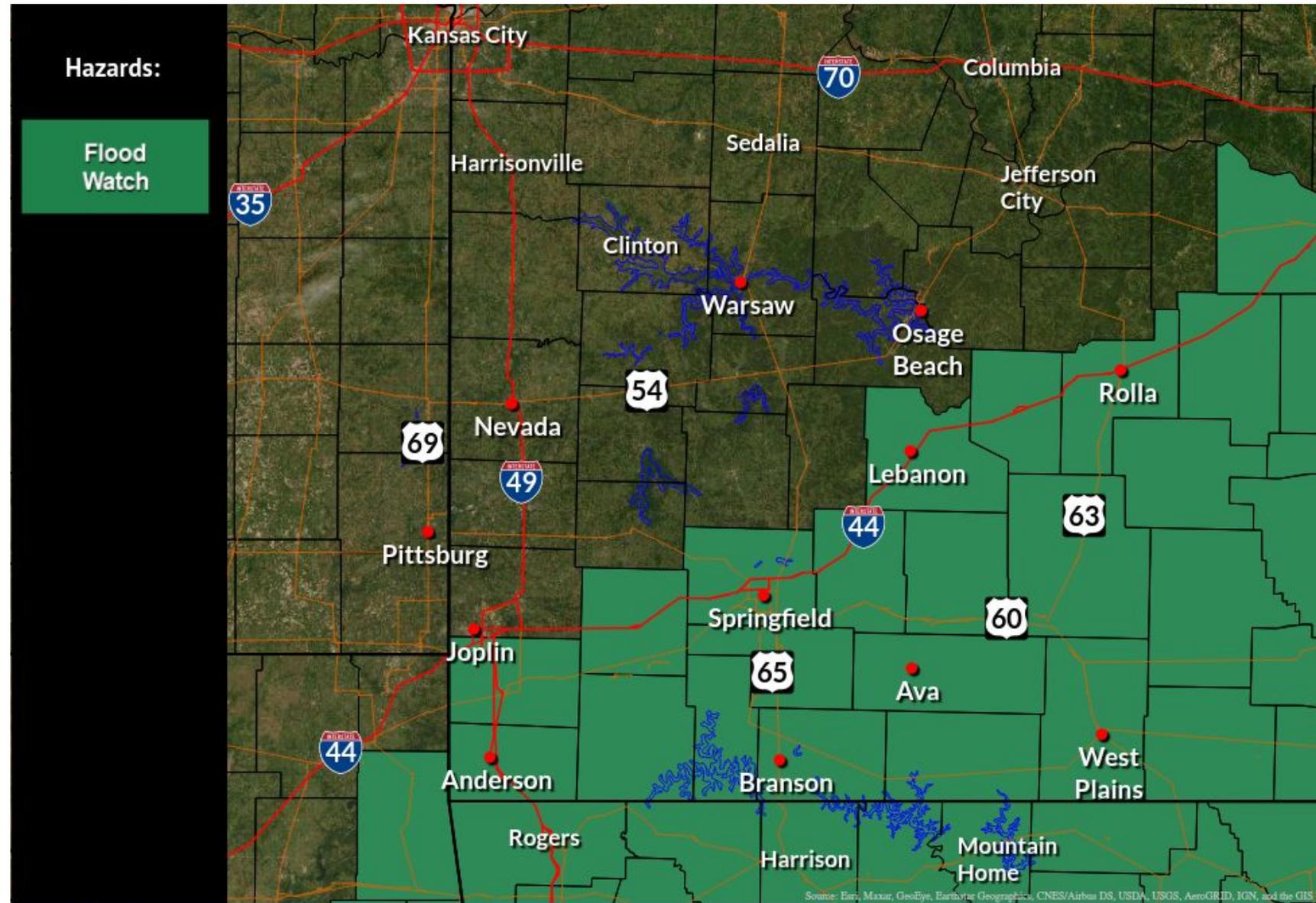
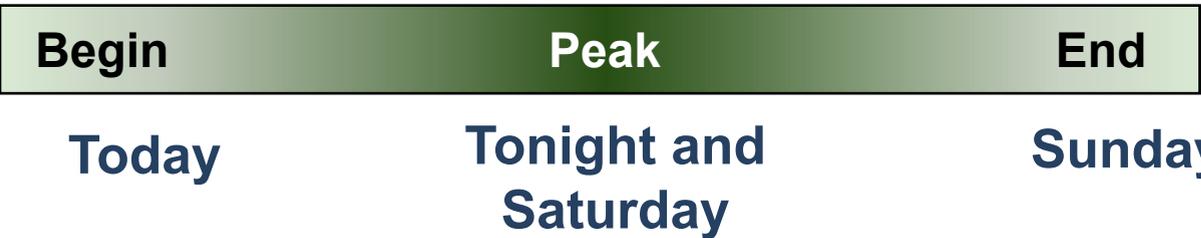
4:48 AM

Now - 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 of 8 to 10 inches will be possible within the flood watch, as it could result in significant flooding and flash flooding. The timeframe for highest confidence is this afternoon through Saturday evening. The Flood Watch may need to be expanded north and west if confidence increases.

When



Flood Watch Now Through Saturday PM



Excessive Rainfall Outlooks

April 4, 2025
4:48 AM

Through Tonight

What

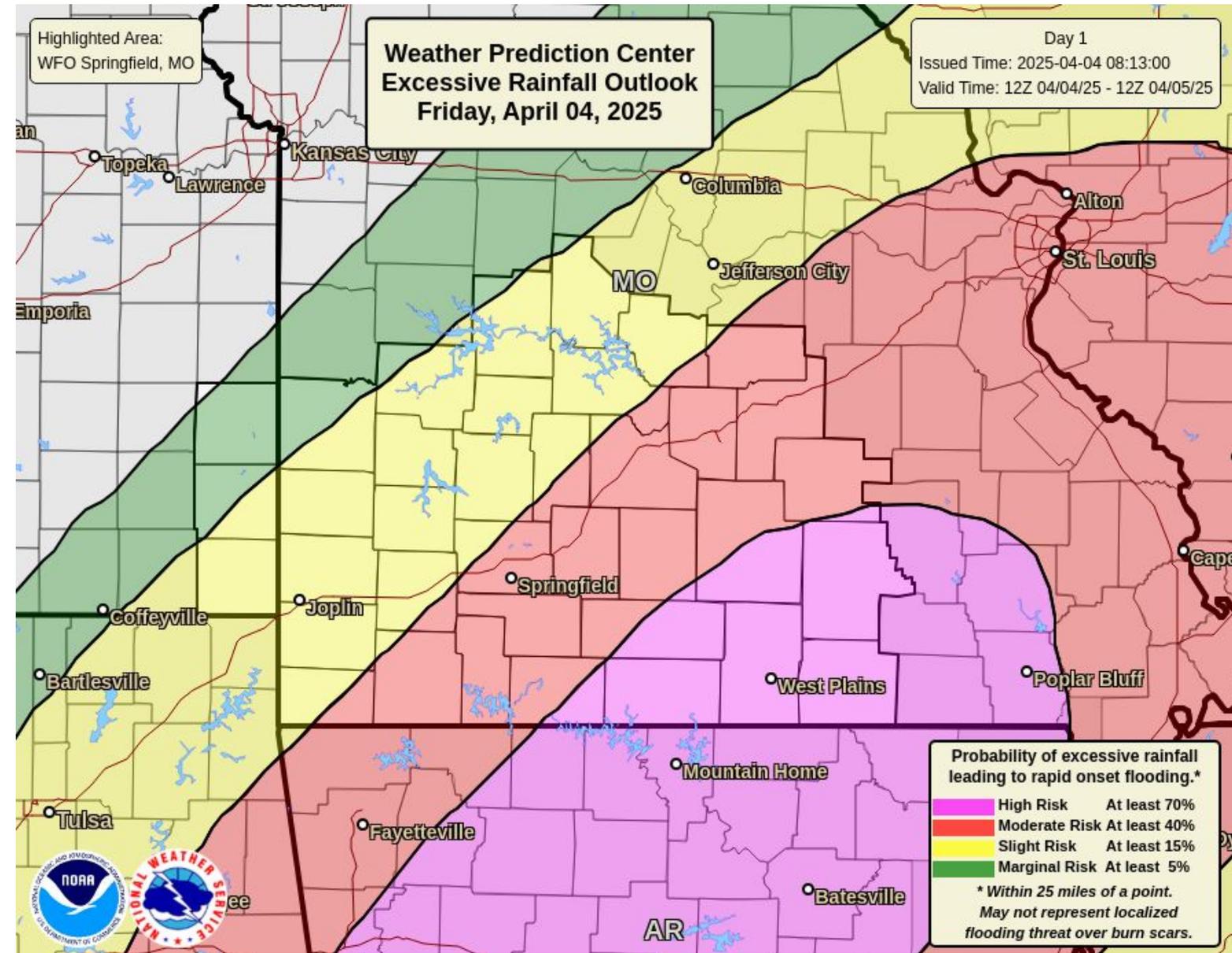
- There is a Slight to High Risk (2-4/4) for excessive rainfall. Localized rainfall amounts of 2-4 inches could cause localized flash flooding and increased river levels.

Where

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

When

- Additional round on Saturday



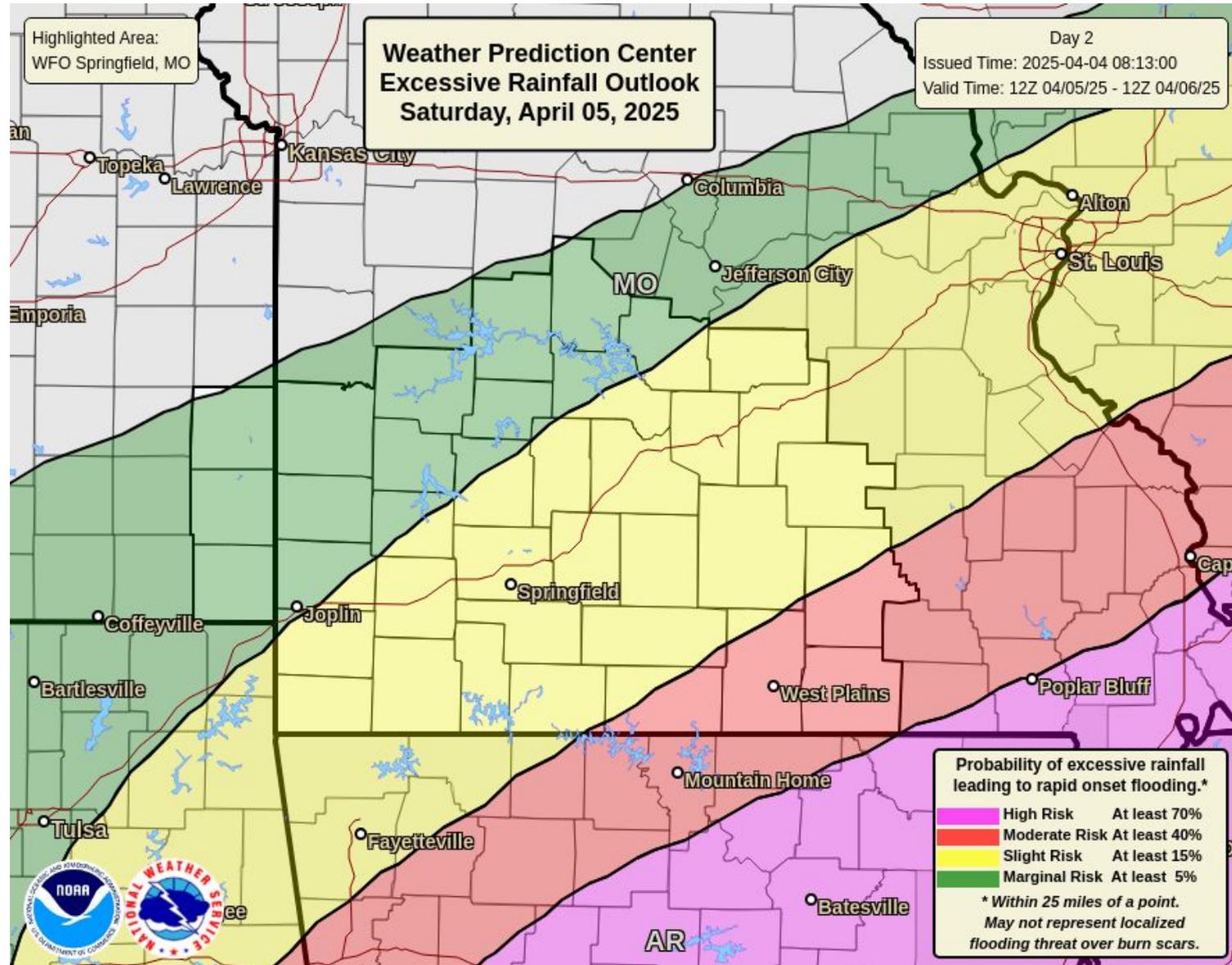
Today - Tonight





Excessive Rainfall Outlooks

April 4, 2025
4:48 AM



Saturday - Saturday Night

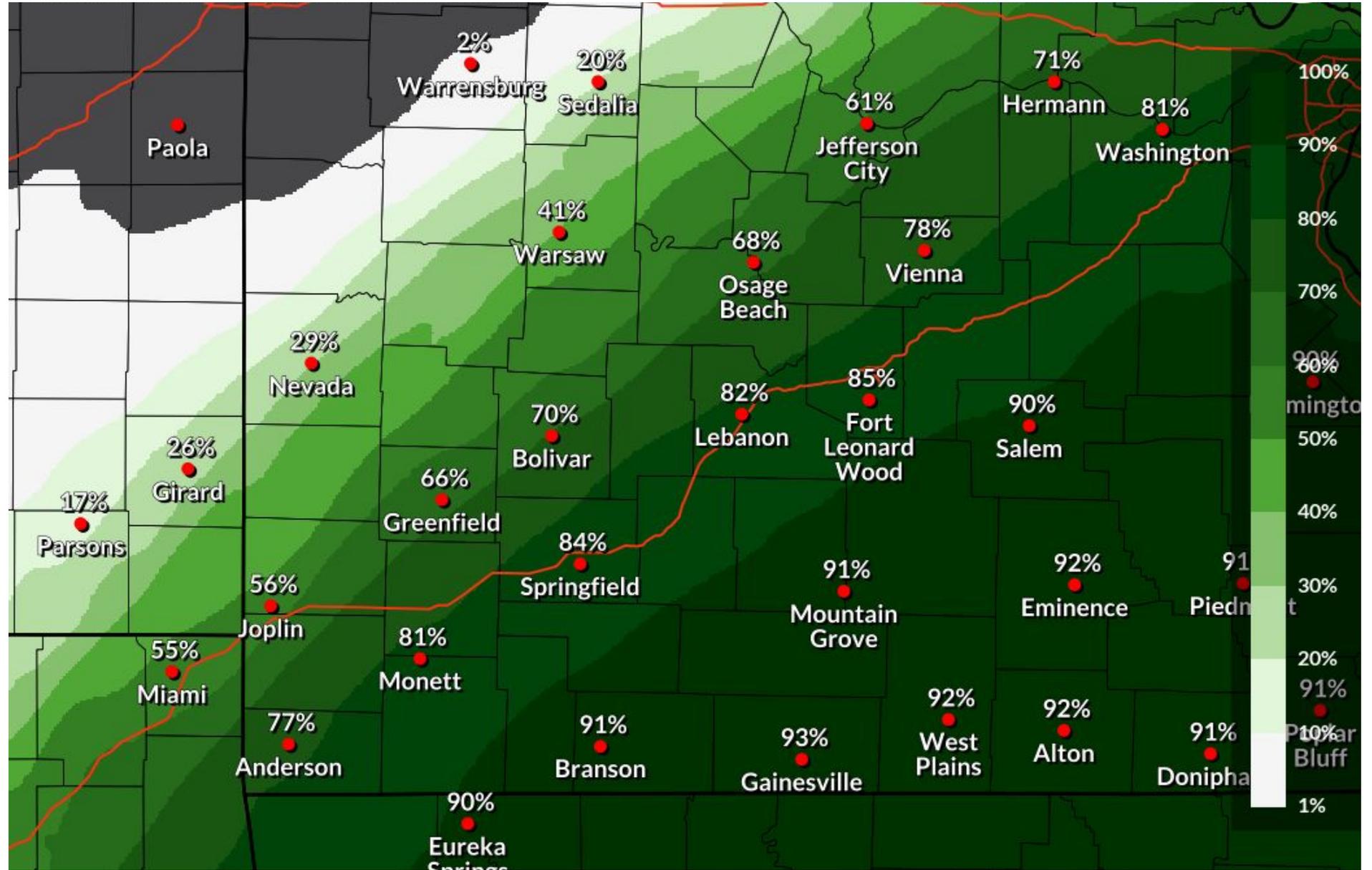


Probabilistic Rainfall Amounts

April 4, 2025
4:48 AM

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.

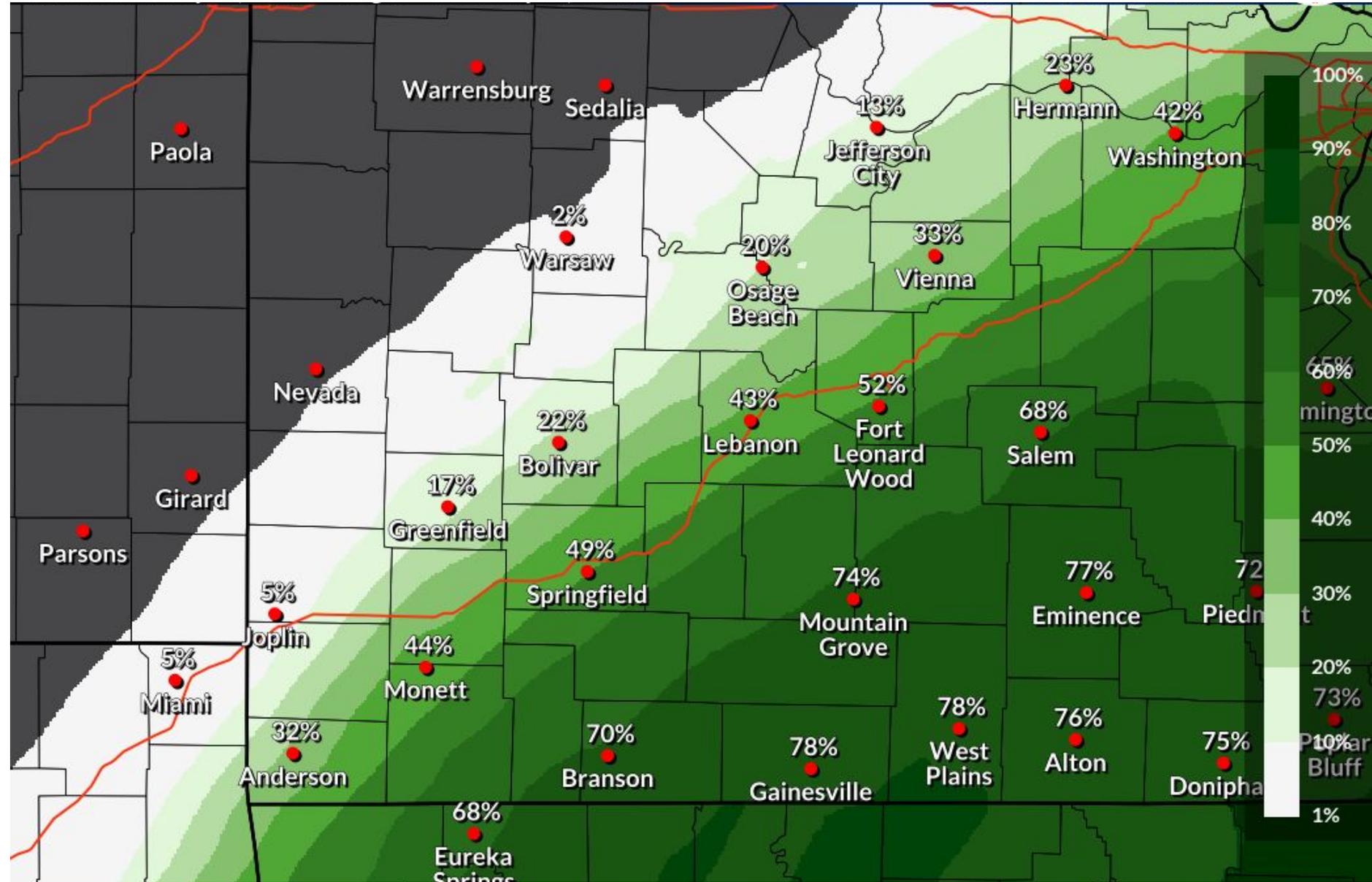


Probability of > 2.0" of rainfall (Thursday - Saturday)



Probabilistic Rainfall Amounts

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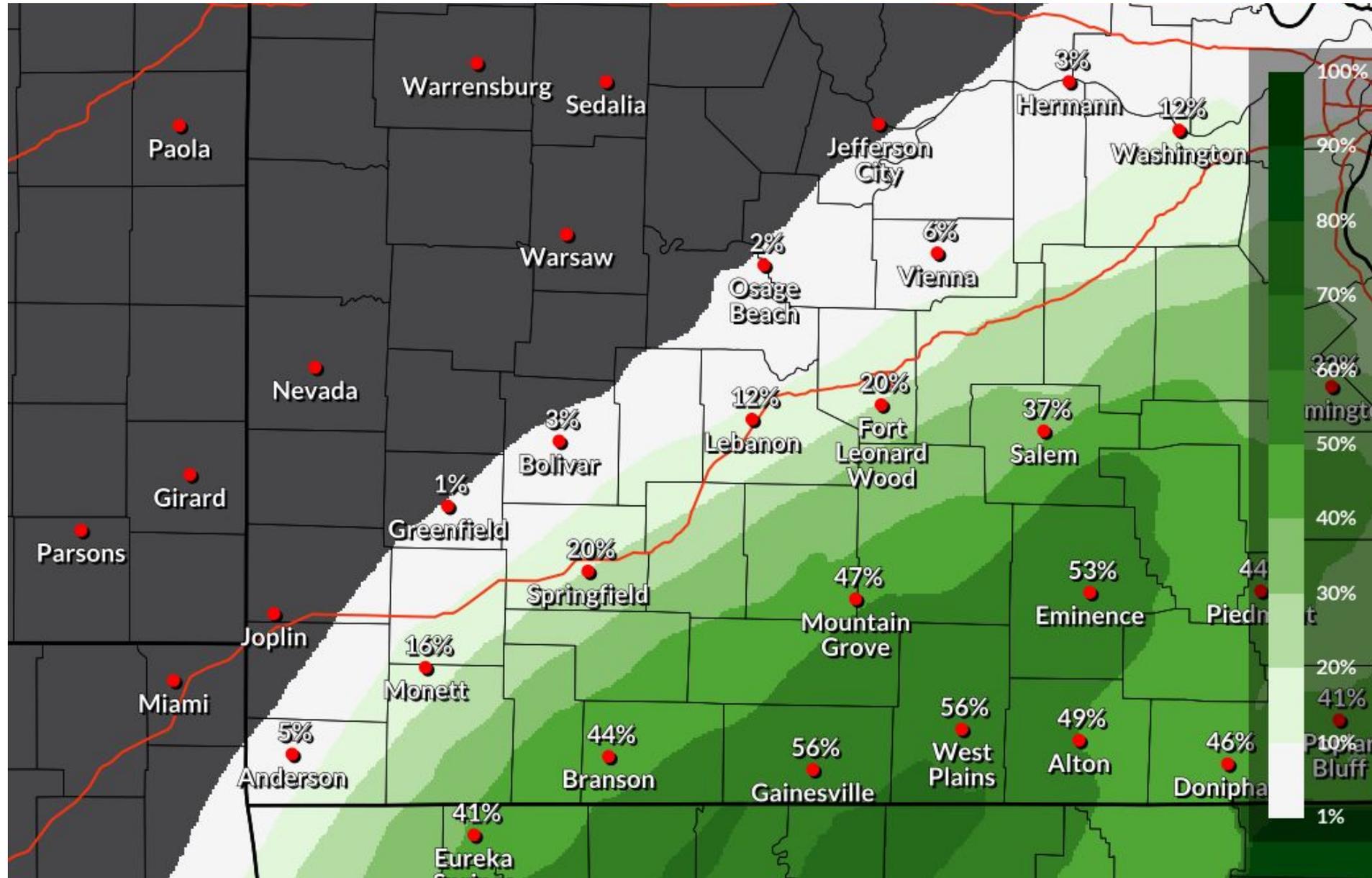


Probability of > 4.0" of rainfall (Thursday through Saturday)



Probabilistic Rainfall Amounts

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4:48 AM

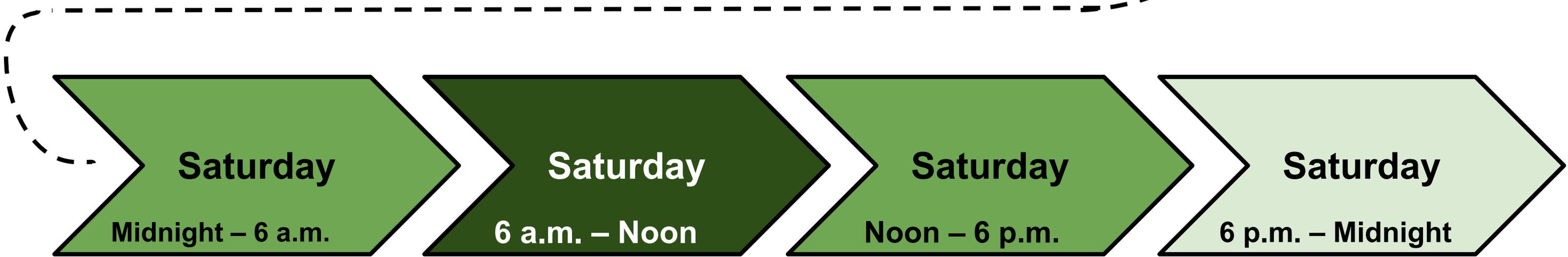


Probability of > 6.0" of rainfall (Thursday through Saturday)



Rainfall Timeline

April 4, 2025
4:48 AM



Rainfall Amount





River Hydrographs

April 4, 2025
4:48 AM

River Forecast Point Forecast Issued Thurs Morning	Forecast Stage	Time of Crest	Duration	Greatest Impacts
Big Piney @ Fort Leonard Wood	22 ft (Moderate)	Sun 1am	Fri PM - Mon PM	20 ft – Road between Golf Course/Campgrounds Flood
Roubidoux Creek nr Waynesville	8 ft (Minor)	Sat 7am	Sat Early AM - Sun Early AM	9 ft - RV Park just north of Bus. 66 bridge floods
Gasconade nr Hazelgreen	21 ft (Minor)	Sun 1am	Sat PM - Sun PM	
Gasconade @ Jerome	23 ft (Minor)	Sun 1pm	Sat AM - After Mon AM	
Jacks Fork @ Alley Spring	15 ft (Moderate)	Sat 1pm	Fri PM - Mon AM	13 ft - Alley Spring Campground is completely flooded
Jacks Fork @ Eminence	17 ft (Moderate)	Sat 7pm	Fri PM - Mon AM	16 ft - City Park impacted and low lying areas impacted
Current River Abv Powder Mill	30 ft (Moderate)	Sun 1am	Sat AM - After Mon AM	25 ft - CR 533 floods downstream of 106 bridge.
North Fork White River nr Tecumseh	25 ft (Moderate)	Sat 1pm	Sat AM - Sun AM	25 ft - Water within 3 ft of lodge and restaurant at Dawt Mill
James River nr Boaz	12 ft (Minor)	Sun 7am	Sat AM - Mon AM	
James River @ Galena	15 ft (Minor)	Sat 7pm	Sat AM - Mon AM	15 ft - Flood waters impact Canoe Rental and motel

Forecasts issued twice per day on water.noaa.gov

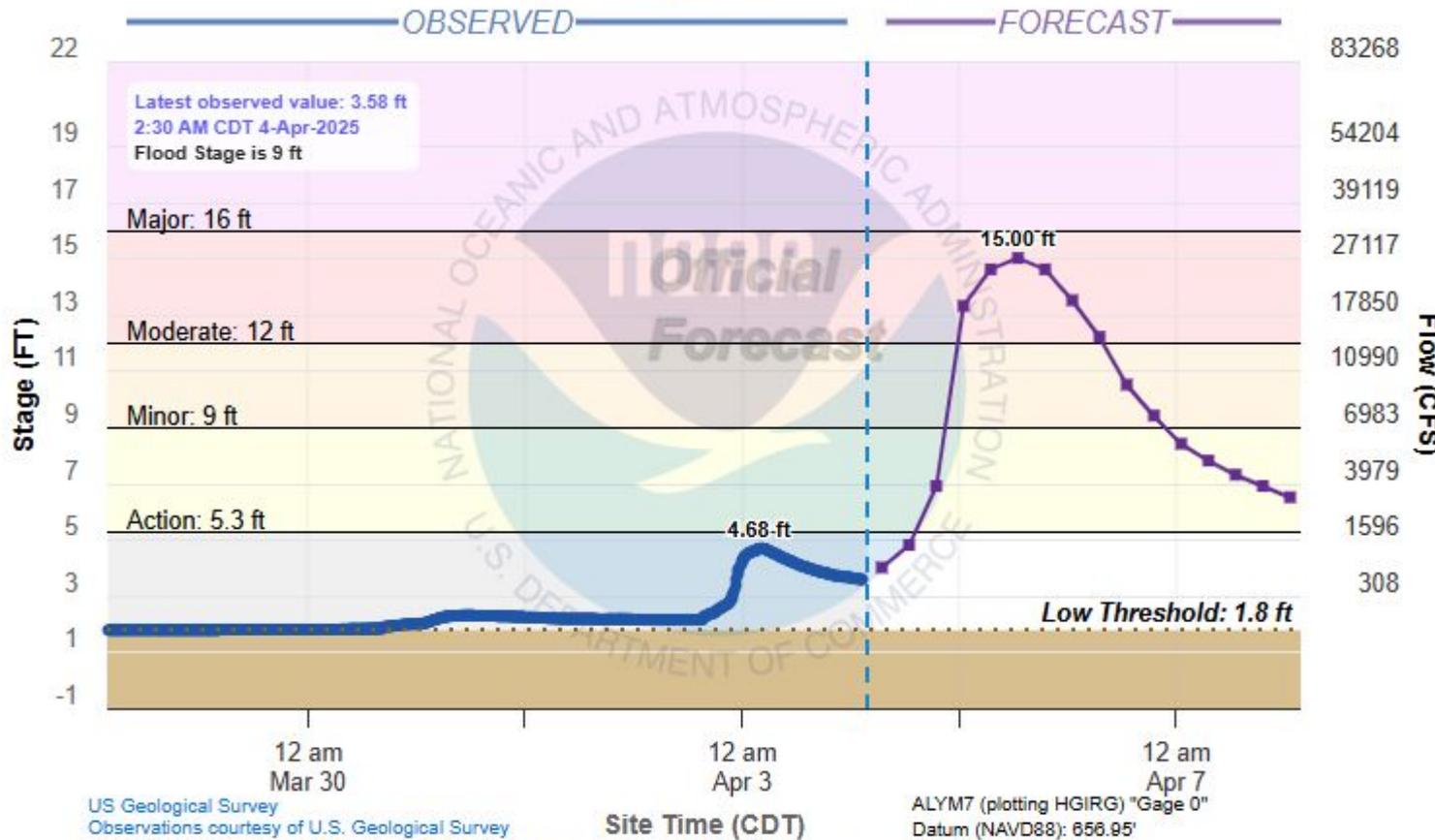


River Hydrographs

April 4, 2025
4:48 AM

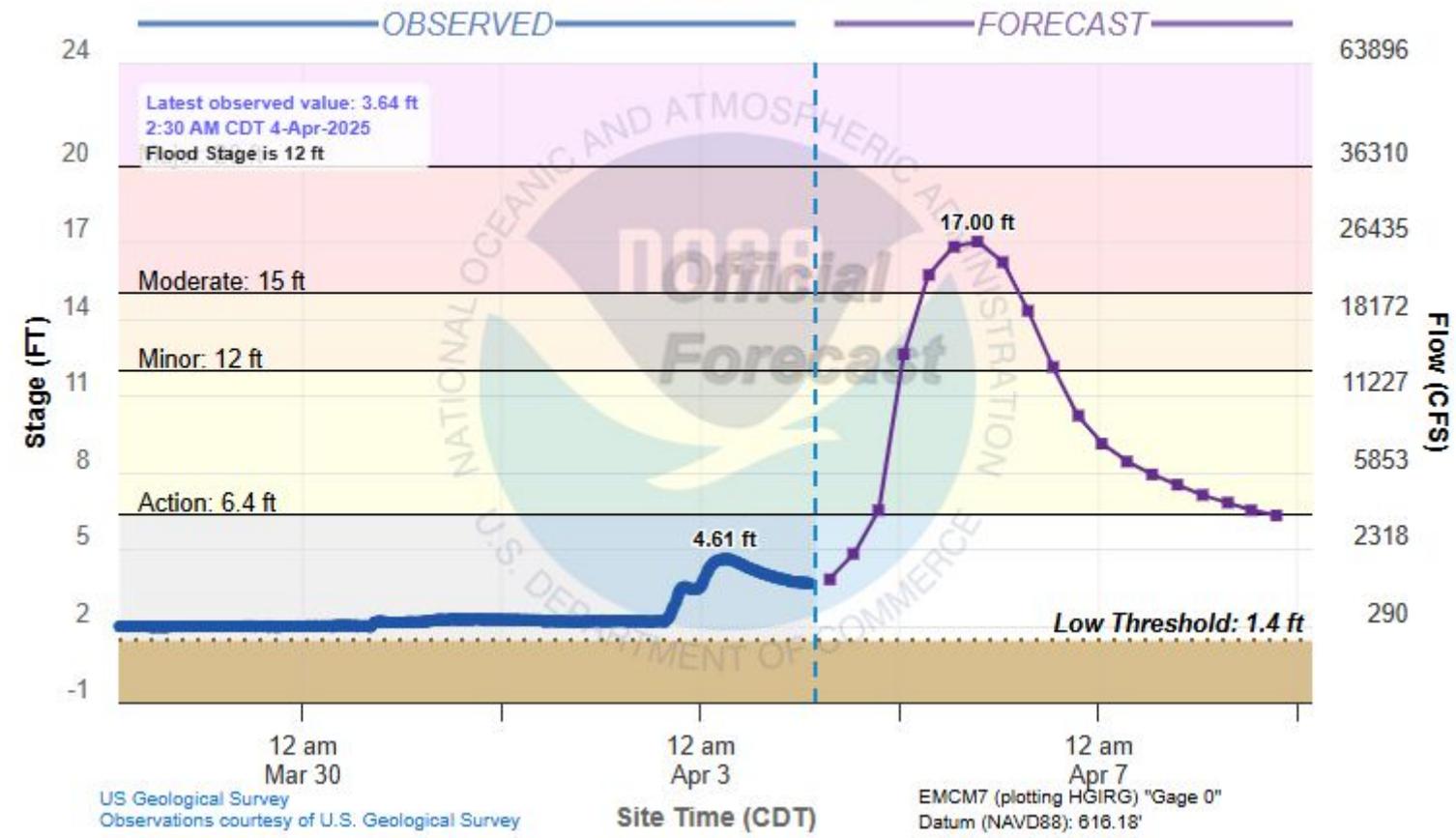
Jacks Fork at Alley Spring

NWSLI: ALYM7, Reach ID: 7518879



Jacks Fork at Eminence

NWSLI: EMCM7, Reach ID: 7518797



Jacks Fork River at Alley Spring, MO

Jacks Fork River at Eminence, Missouri

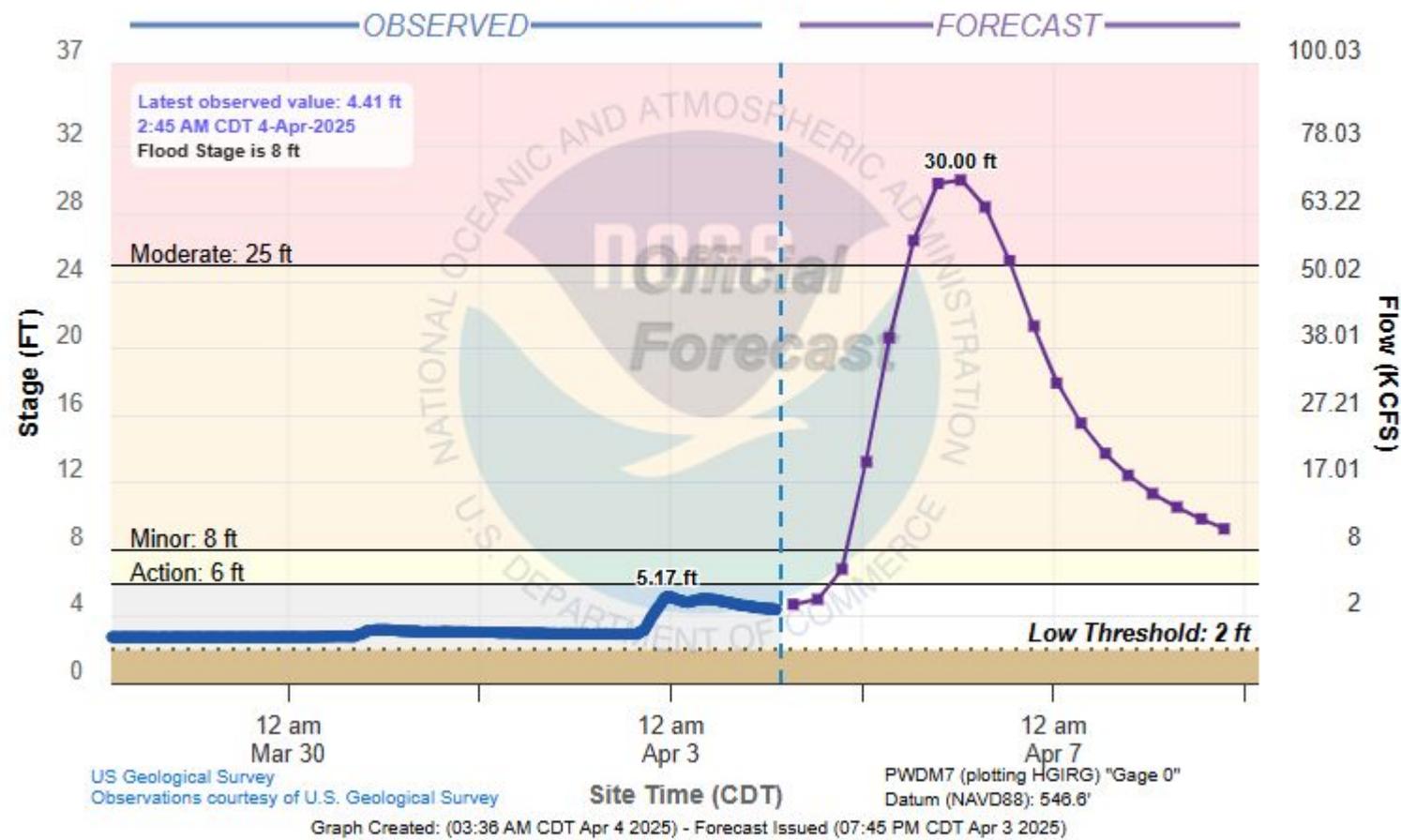


River Hydrographs

April 4, 2025
4:48 AM

Current River above Powder Mill

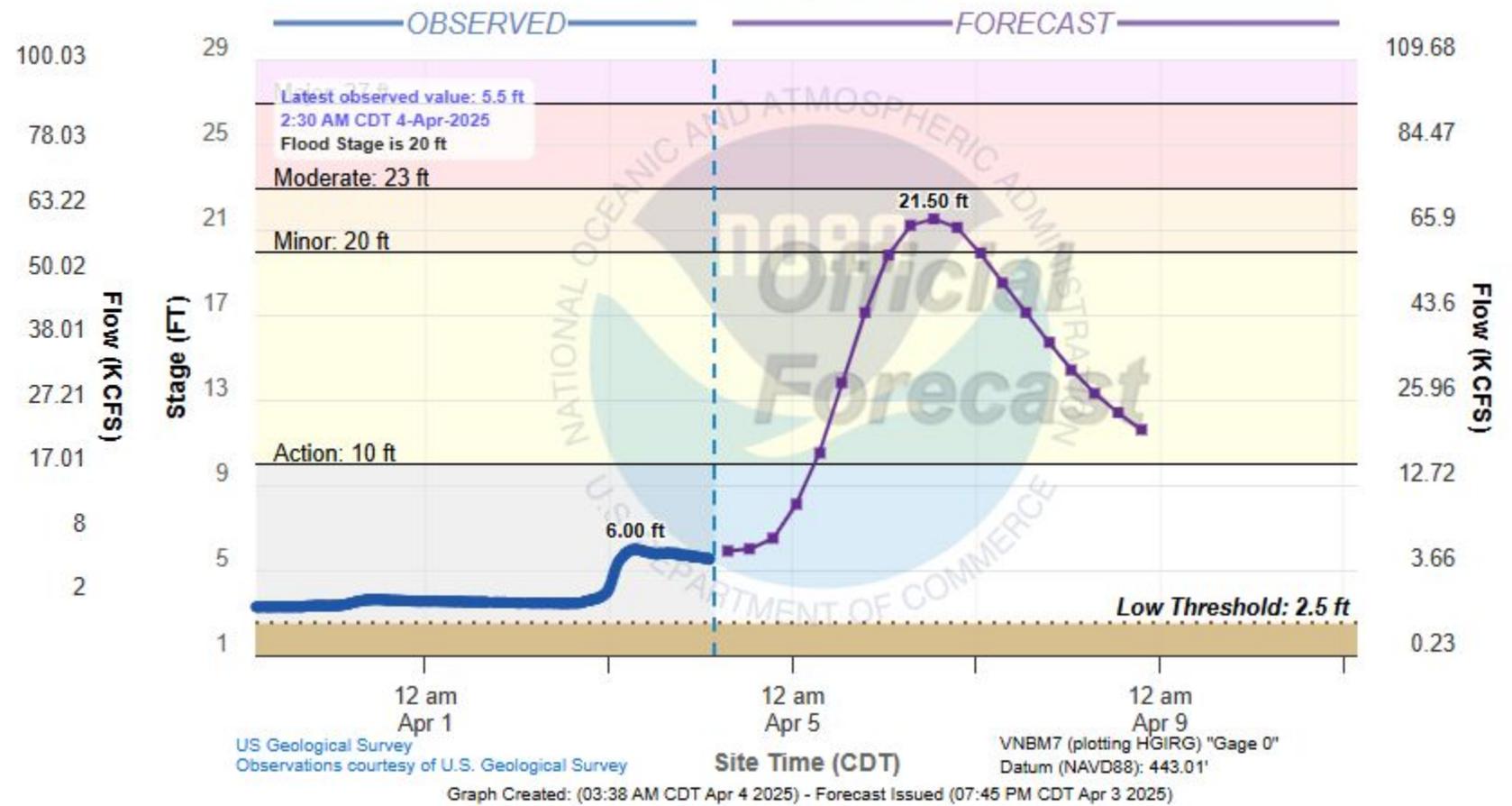
NWSLI: PWD7, Reach ID: 7520833



Current River above Powder Mill

Current River at Van Buren

NWSLI: VNBM7, Reach ID: 7524421



Current River at Van Buren

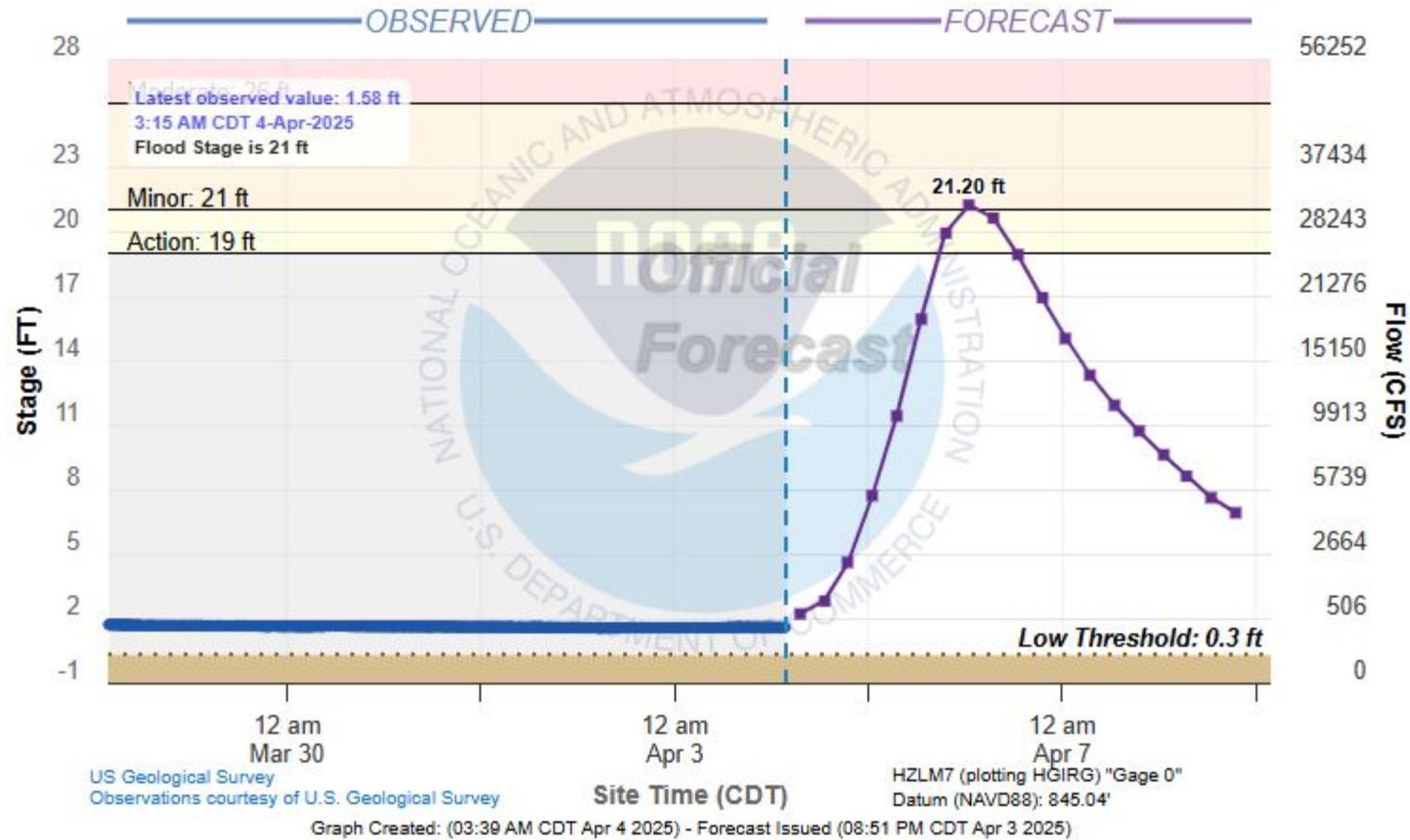


River Hydrographs

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4:48 AM

Gasconade River near Hazelgreen

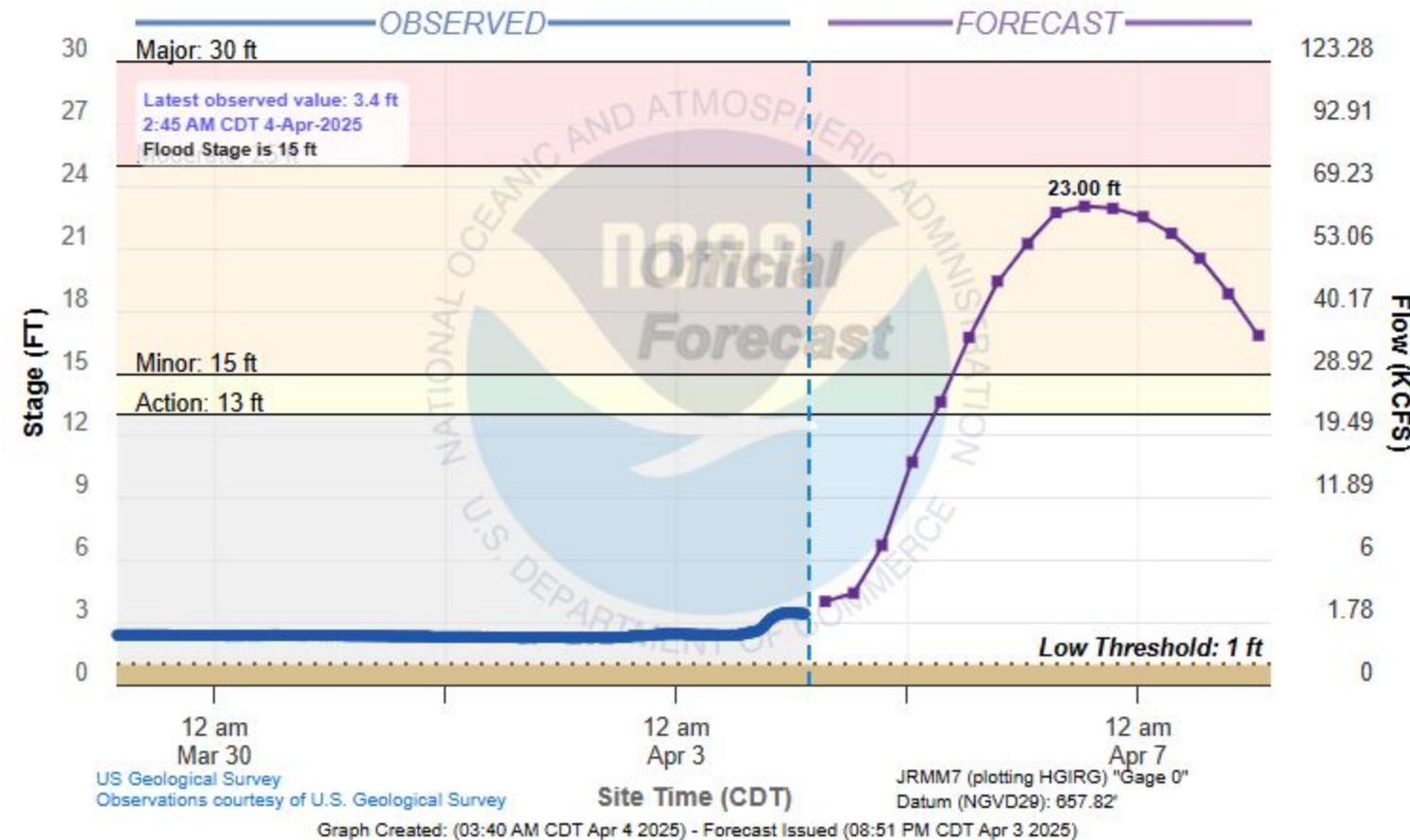
NWSLI: HZLM7, Reach ID: 7423890



Gasconade River at Hazelgreen, Missouri

Gasconade River at Jerome

NWSLI: JRMM7, Reach ID: 7447469



Gasconade River at Jerome, Missouri

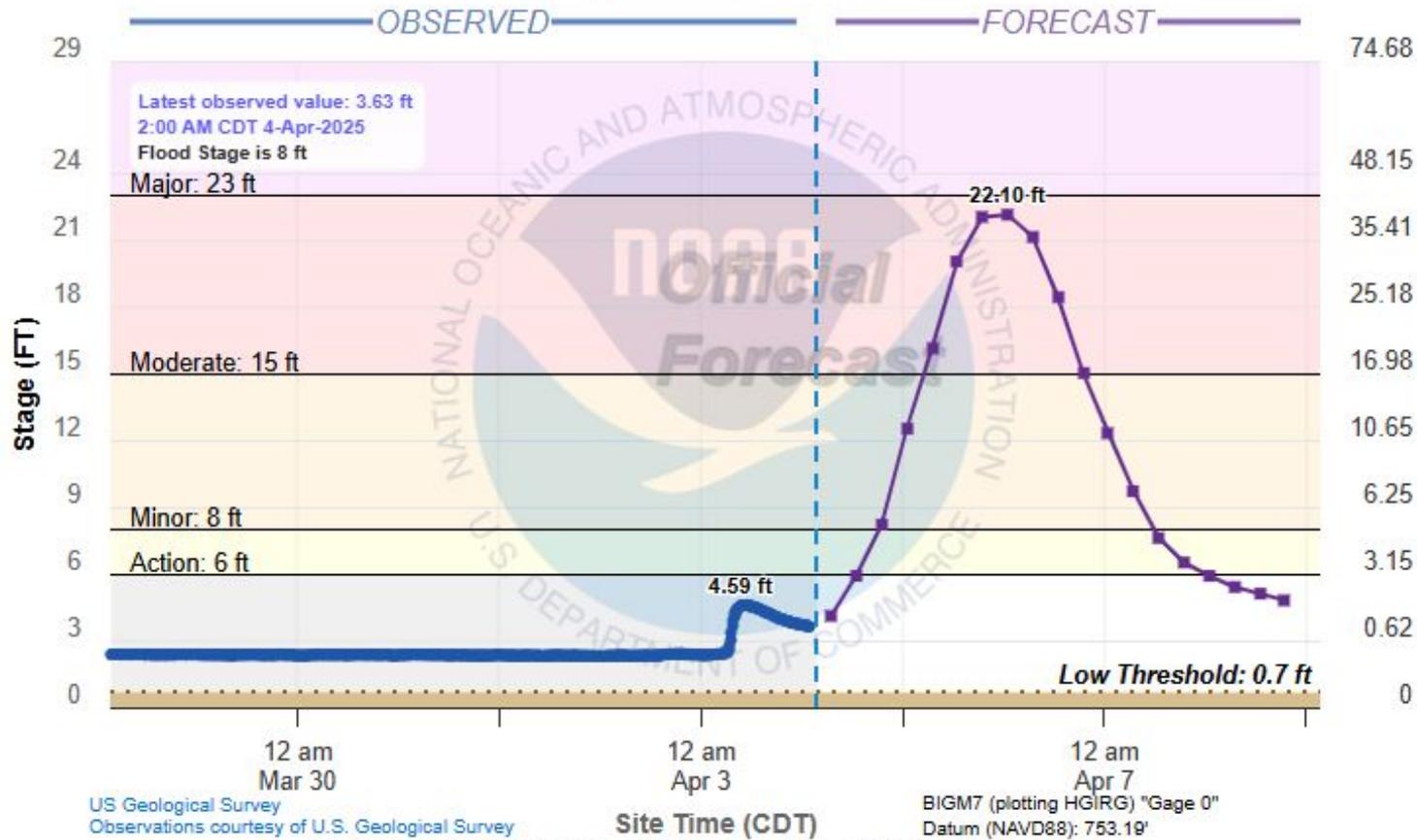


River Hydrographs

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4:48 AM

Big Piney at Ft. Wood - East Gate

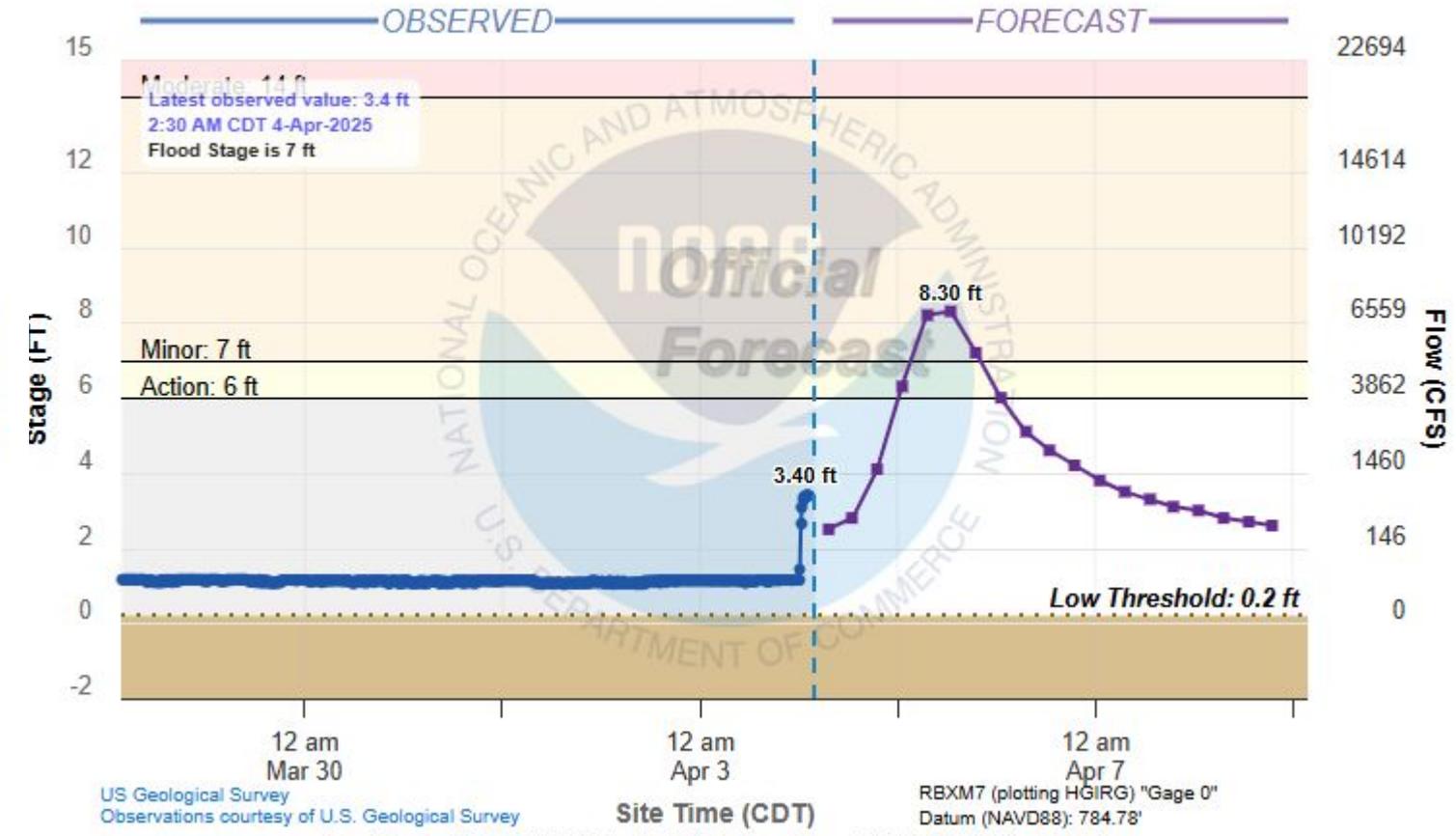
NWSLI: BIGM7, Reach ID: 7434227



Big Piney River at Fort Leonard Wood - East Gate

Roubidoux Creek near Waynesville

NWSLI: RBXM7, Reach ID: 7410408



Roubidoux Creek near Waynesville

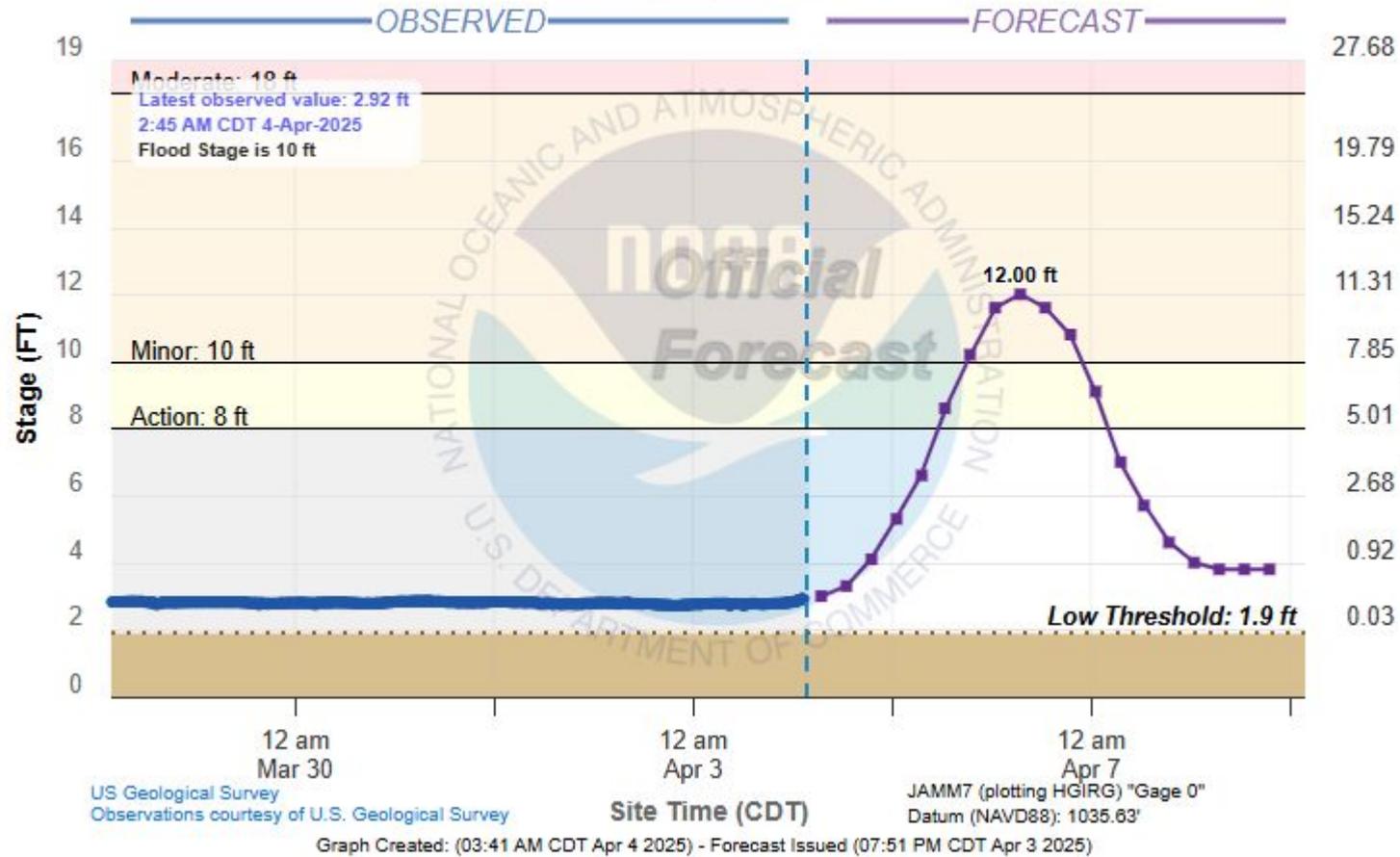


River Hydrographs

April 4, 2025
4:48 AM

James River (MO) near Boaz

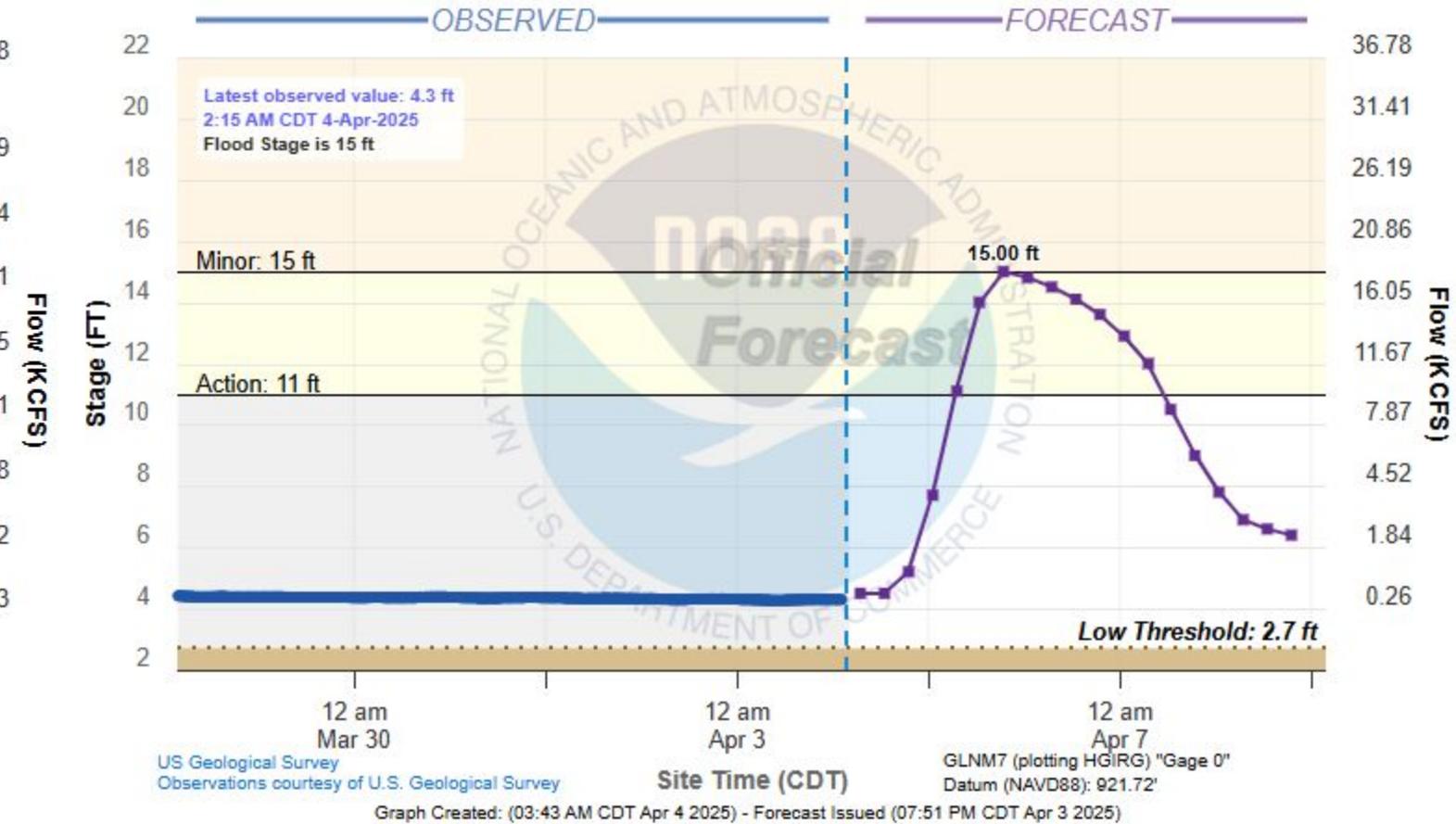
NWSLI: JAMM7, Reach ID: 7607905



James River near Boaz

James River (MO) at Galena

NWSLI: GLNM7, Reach ID: 7609749



James River at Galena



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](#)

Thunderstorms Can Produce
HEAVY RAIN



Don't Drive Through Moving or Standing Water

6 It Only Takes 6 Inches Of Flowing Water To Sweep You Off Your Feet



If You Can't See The Road, Turn Around. Don't Drive Around Barricades!



weather.gov/thunderstorm

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