



Severe Weather Briefing

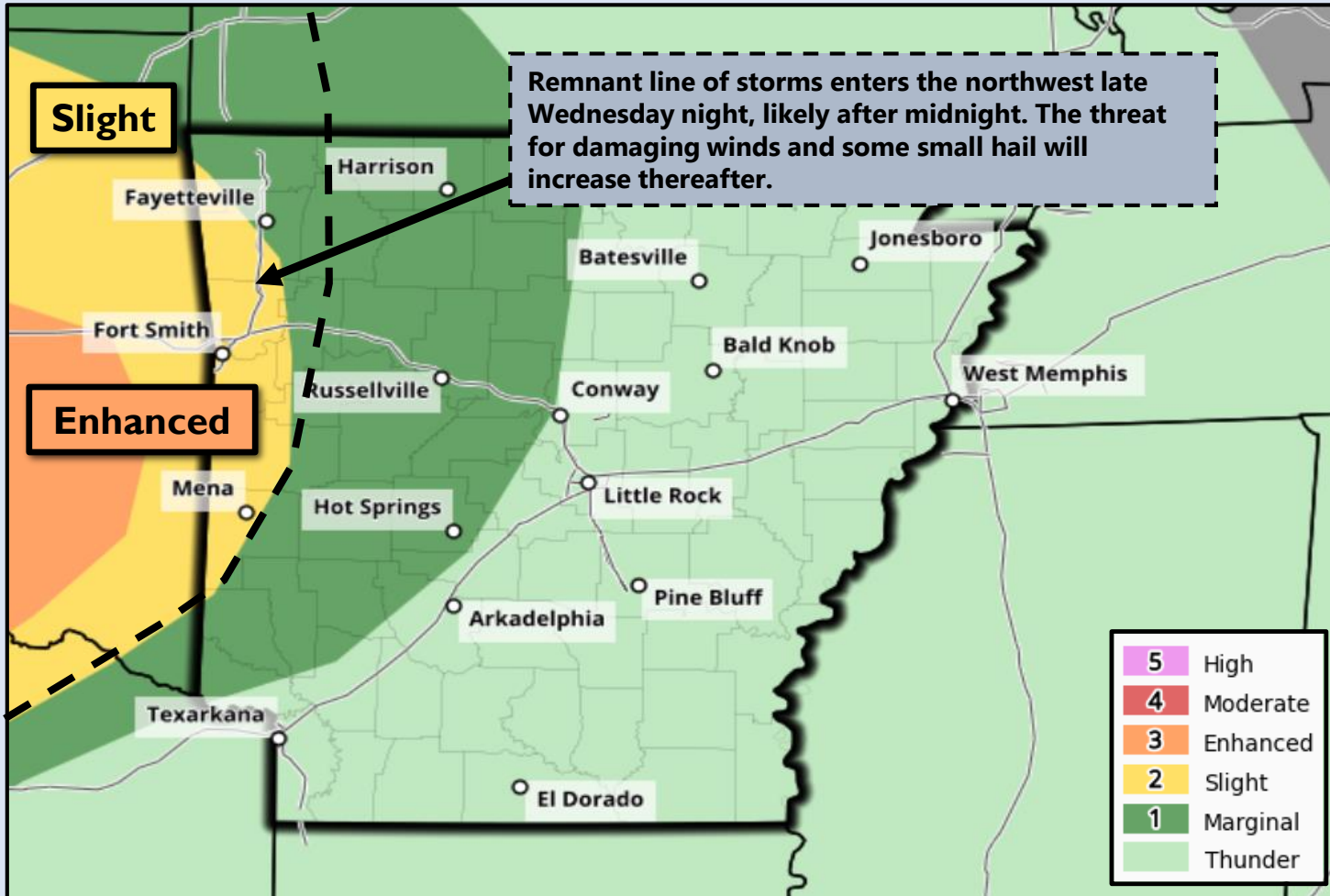
**National Weather Service
Little Rock, Arkansas**

May 4, 2022 5:30 AM



- **[TODAY]** A strong storm system will be approaching the region through today, providing the next widespread thunderstorm chances on Thursday. In between now and then, a stalled boundary draped across the state will remain the focus for intermittent showers and thunderstorms today.
- **[THURSDAY]** Our next main concern for organized severe weather will set up on Thursday as a cold front moves across the state from west to east. All severe hazards will be possible including damaging winds, some hail, and a few tornadoes.
- **[ADDITIONAL HAZARDS]** Heavy to excessive rainfall and local flash flooding will remain a concern today and Thursday, given multiple rounds of precipitation have led to widespread saturated regions.
 - Numerous river basins remain swollen as well, and expected rainfall this week will likely keep river levels elevated, including (but not limited to) the Ouachita, Lower White, and Black Rivers.

Severe Weather Outlook (Wednesday - May 4)



Portions of northwest Arkansas are highlighted in a risk area for severe thunderstorms, though most of this risk will become more prevalent during the midnight hours Wednesday night as remnants of a storm complex enter the state from the west.

Maximum Hail Size

- Up to Softball
- Up to Baseball
- Up to Golf ball
- Up to Quarter**

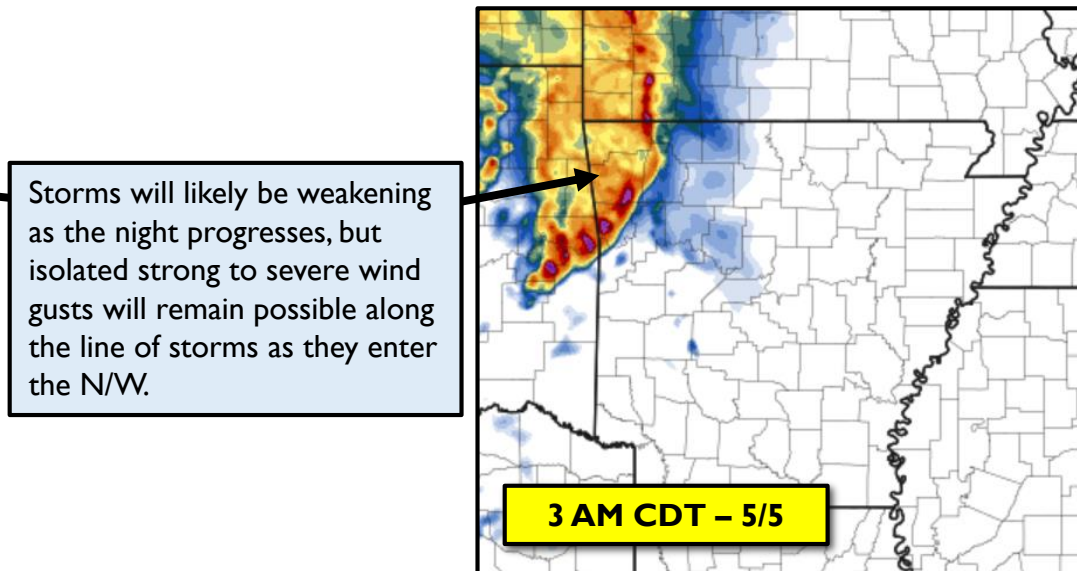
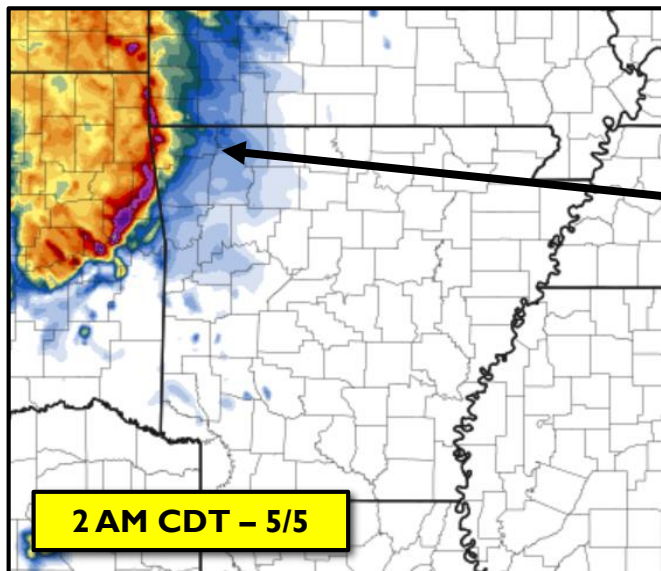
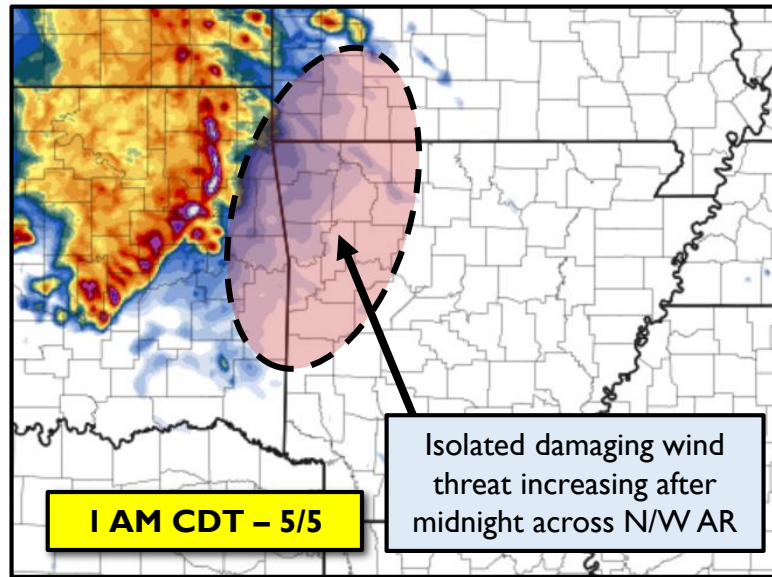
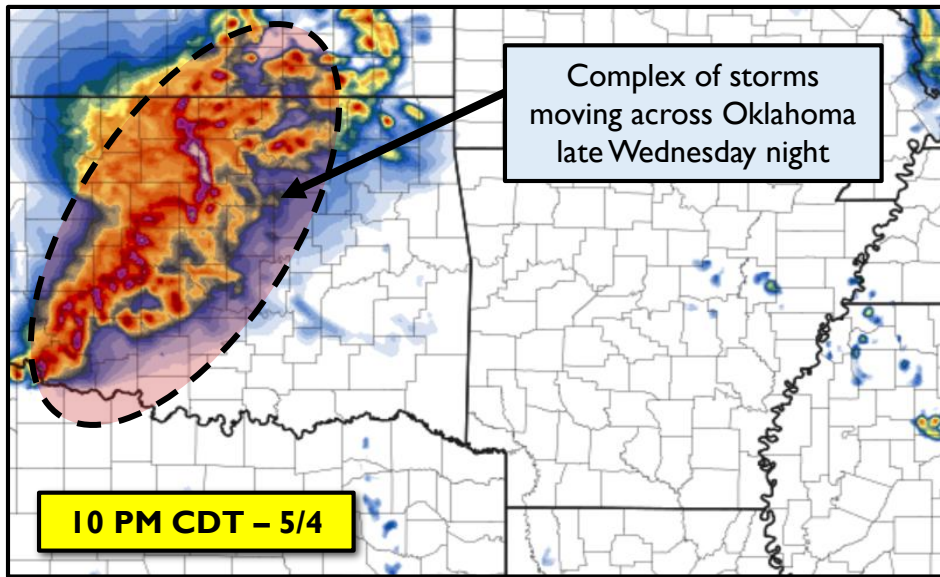
Maximum Wind

- 80+ mph
- 60-80 mph
- Up to 60 mph**

Tornado Potential

- High
- Medium
- Low
- Very Low**

Potential Storm Development and Timing (Late Tonight)



--A complex of thunderstorms are expected to develop over central Oklahoma through late Wednesday evening.

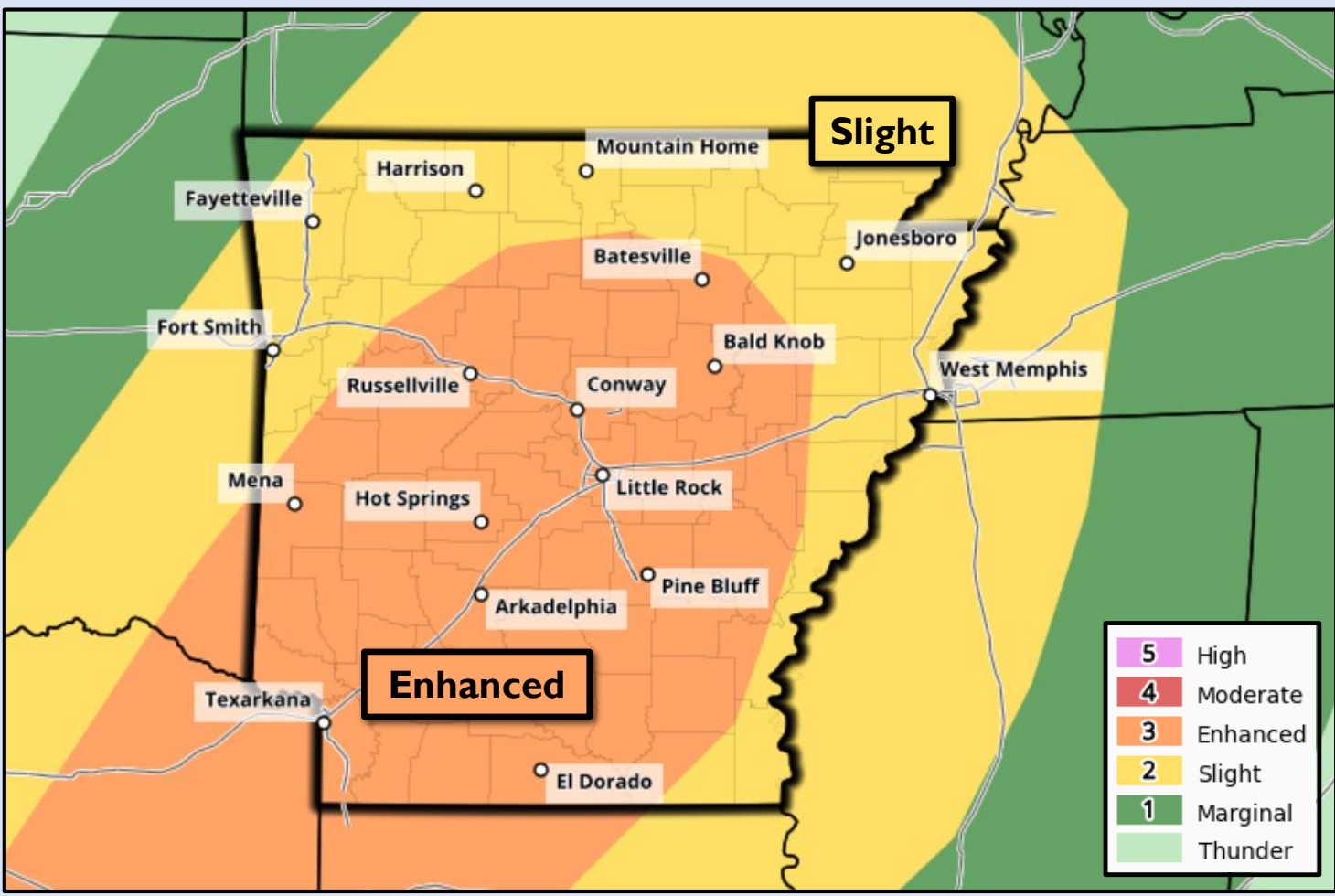
--Storms will likely form into a bowing segment (a storm-mode that is very conducive for strong to damaging winds)

--The latest forecast timing suggests the line of storms will approach N/W AR near, or even after midnight Wednesday night, with the damaging wind gust threat increasing over the region thereafter.

Please consider, the model solution shown is a single model run, and is provided as a visualization of potential storm evolution/timing. This is NOT an official forecast.

*Images courtesy of Pivotal Weather

Severe Weather Outlook (Thursday - May 5)



- 5 High
- 4 Moderate
- 3 Enhanced
- 2 Slight
- 1 Marginal
- Thunder

Severe weather potential will return to the forecast area on Thursday, with most of Arkansas highlighted in an enhanced risk area. At this time, all severe weather hazards will be possible, including damaging winds, hail, and possibly a few tornadoes.

Maximum Hail Size

- Up to Softball
- Up to Baseball
- Up to Golf ball
- Up to Quarter

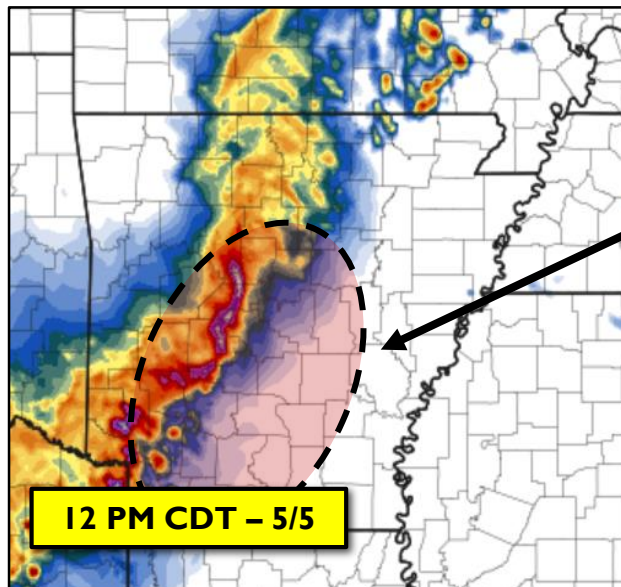
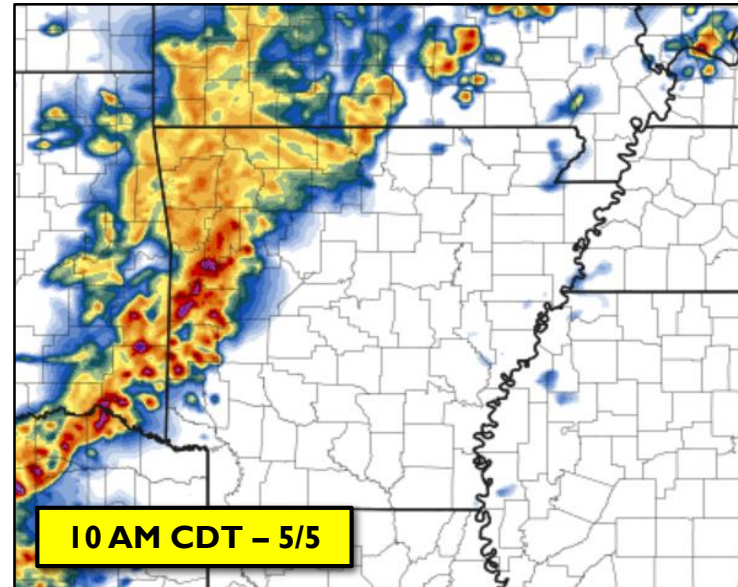
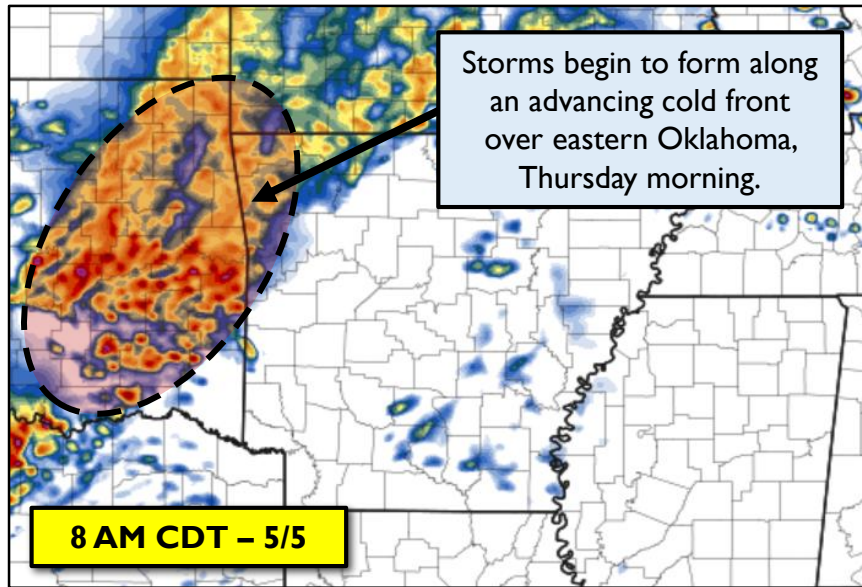
Maximum Wind

- 80+ mph
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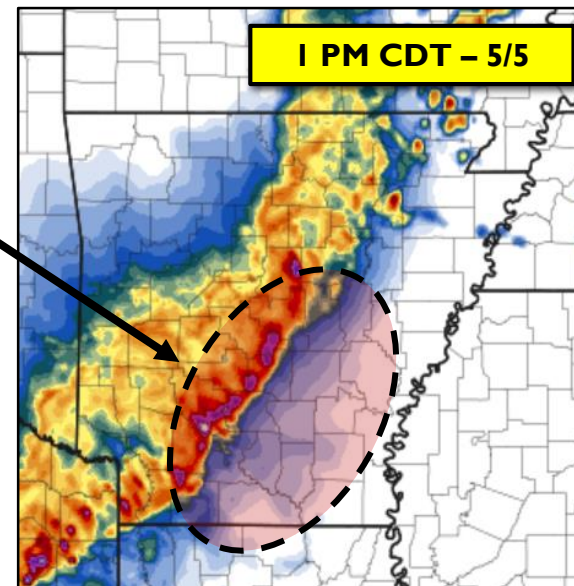
Tornado Potential

- High
- Medium
- Low
- Very Low

Potential Storm Development and Timing (Thursday)



The damaging wind threat will be increasing into Thursday afternoon for portions of central and southern Arkansas as another bowing segment of strong storms is expected to develop along the cold front.



--Thursday morning, a line of thunderstorms are expected to develop along an advancing cold front over eastern.

--Storms will likely form into another bowing segment (a storm-mode that is very conducive for strong to damaging winds).

--As storms move east into the afternoon, their timing will be favorable for them to persist and continue (more energy available during the daytime).

--The threat for strong to damaging wind gusts, some hail, and a few brief tornadoes looks to be most prevalent over portions of western, central, and southern Arkansas, beginning late Thursday morning, and through the afternoon.

Please consider, the model solution shown is a single model run, and is provided as a visualization of potential storm evolution/timing. This is NOT an official forecast.

*Images courtesy of Pivotal Weather

Arkansas 30 Day Rainfall Analysis

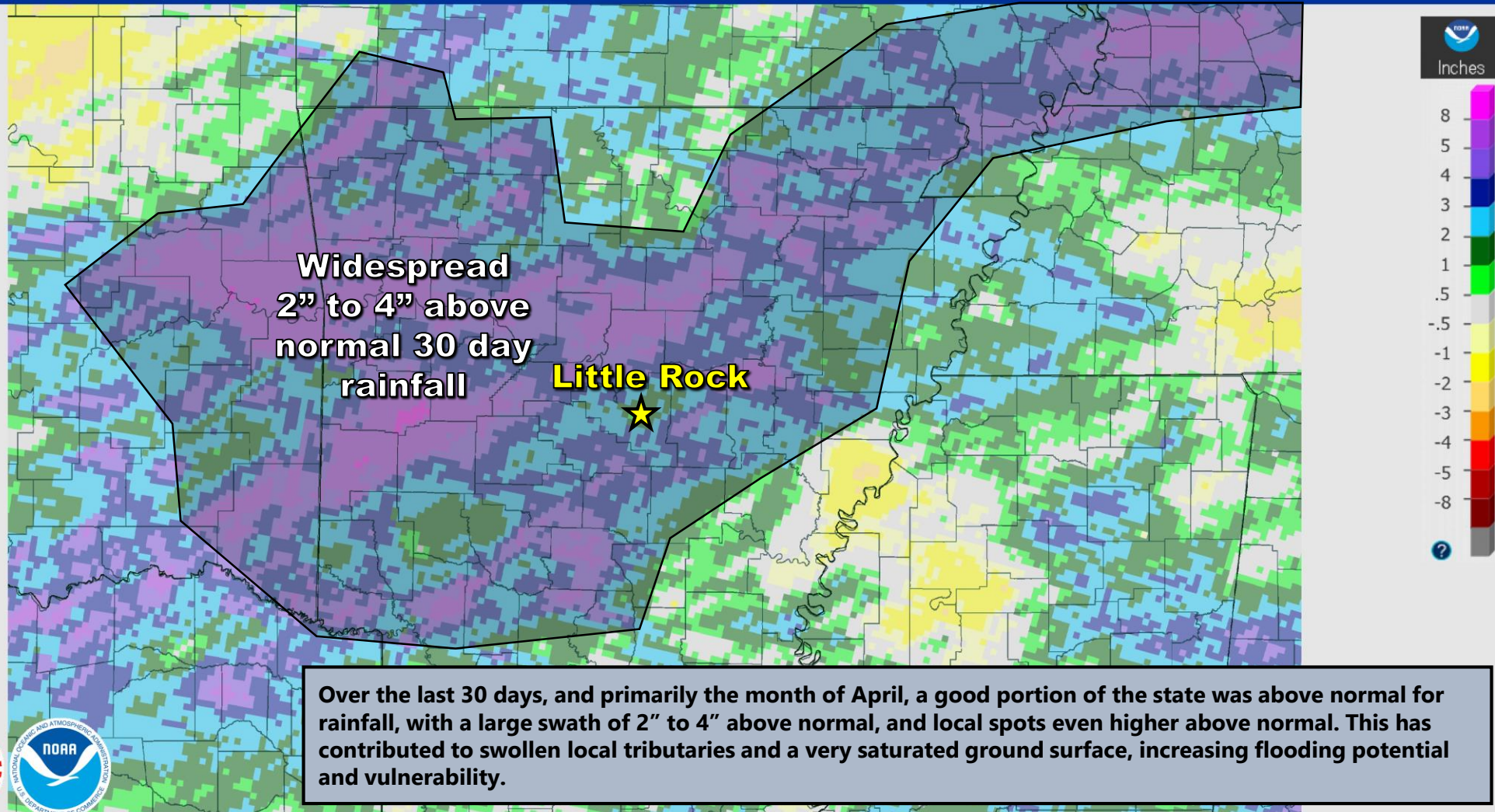


A good portion of the state is well above normal for rainfall accumulation over the last 30 days.

May 03, 2022 30-Day Departure Precipitation

Created on: May 04, 2022 - 08:45 UTC

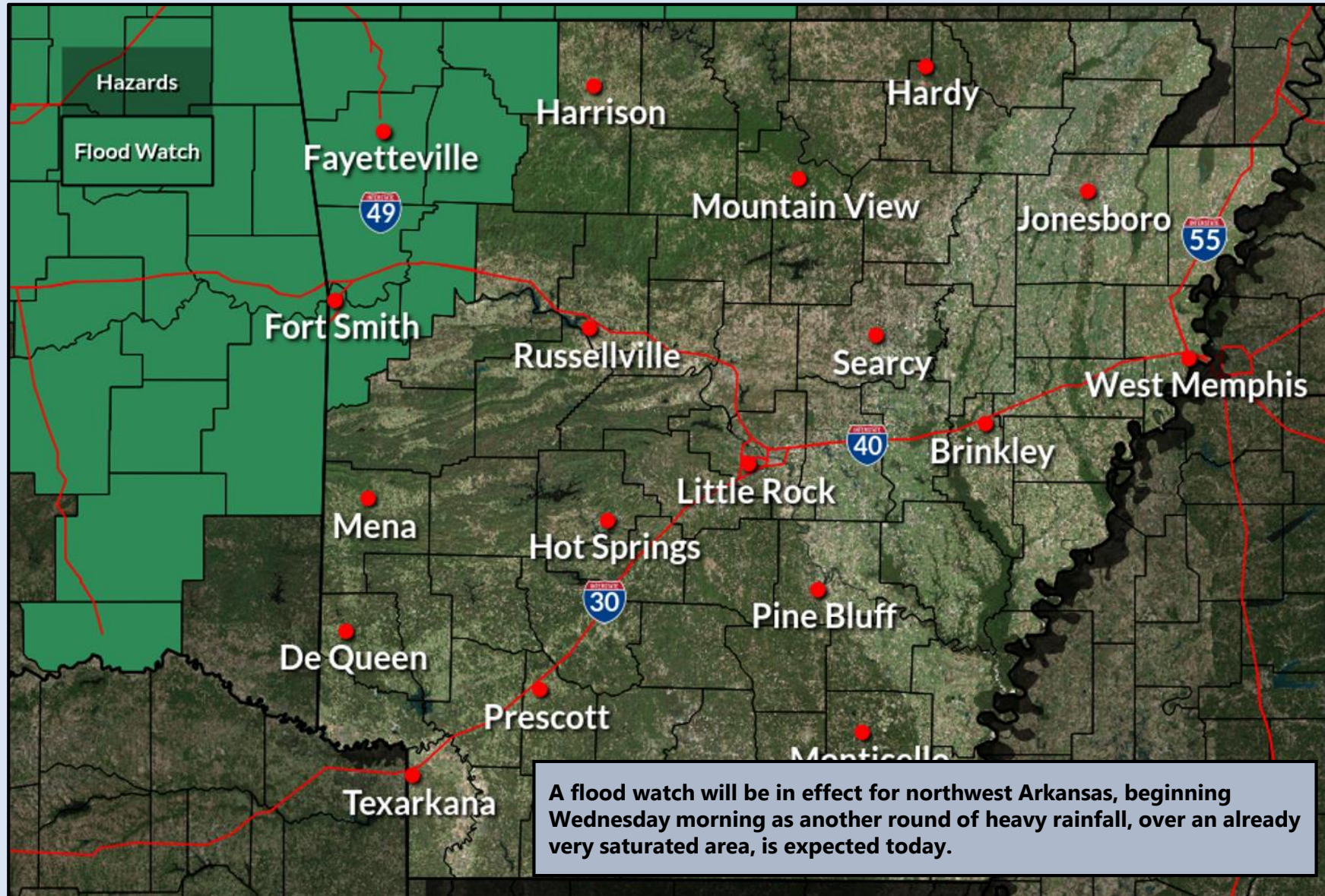
Valid on: May 03, 2022 12:00 UTC

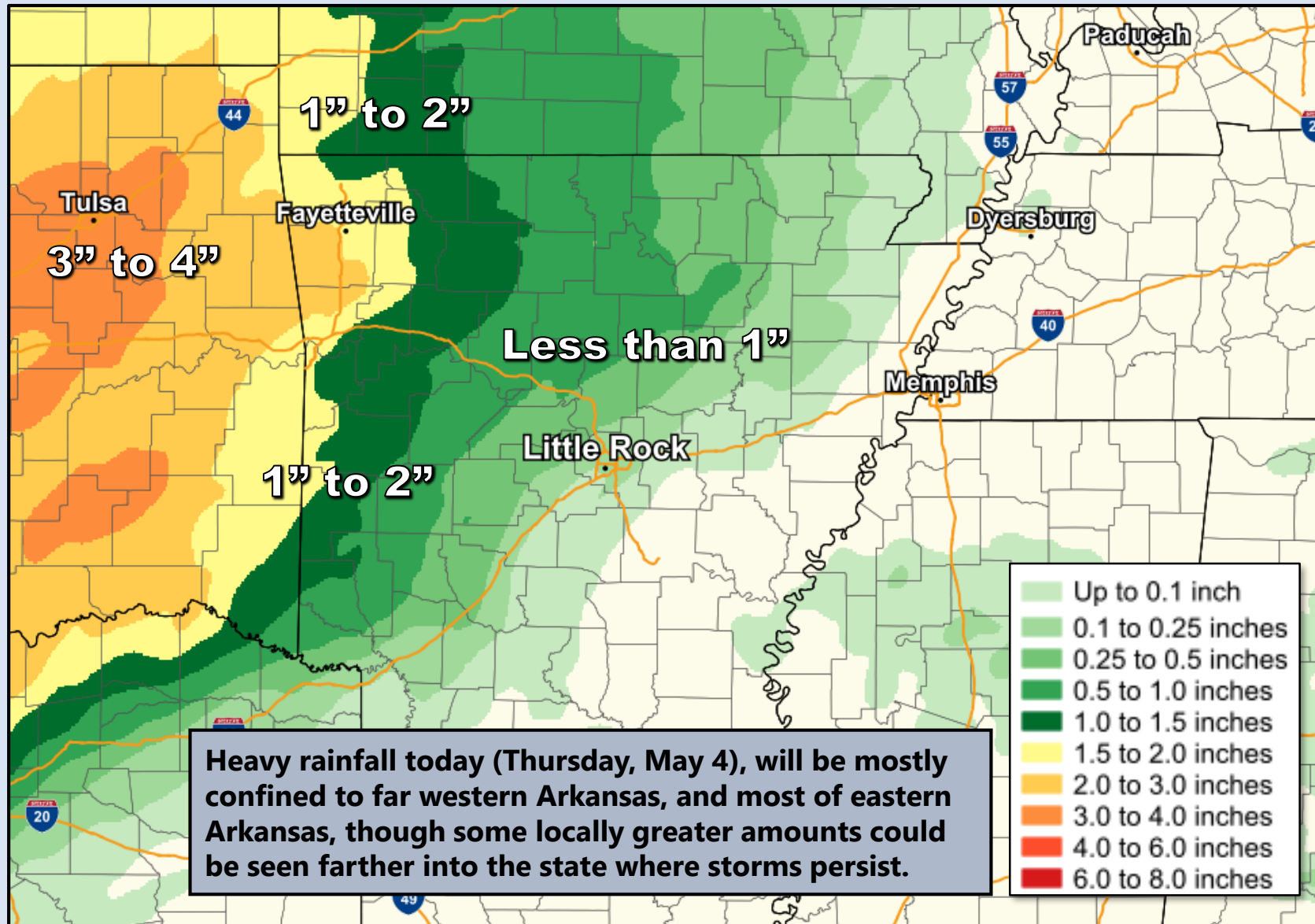


Flood Watch in Effect

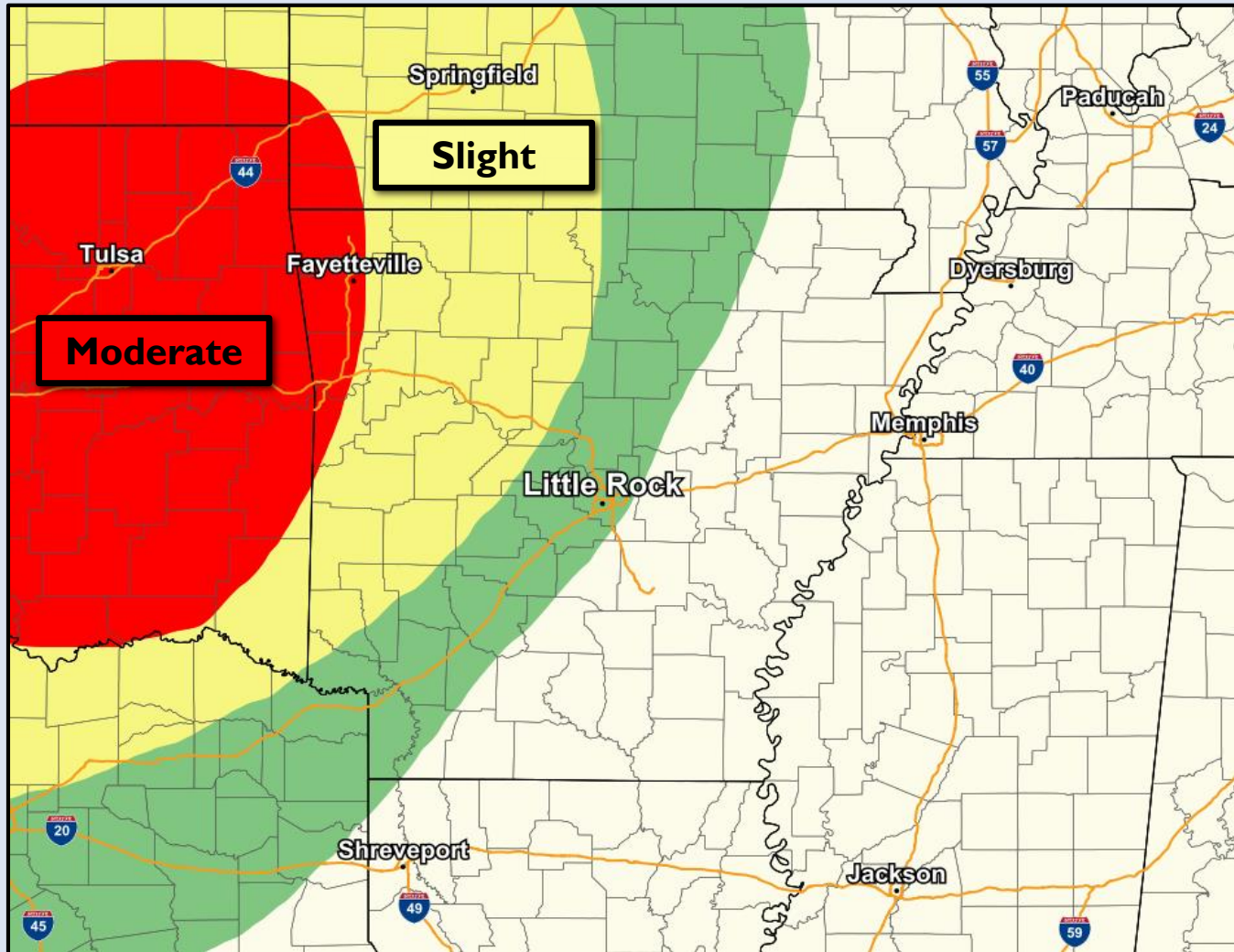


The watch takes effect at 6AM Wednesday morning.





Excessive Rainfall Outlook (Wednesday - May 4)



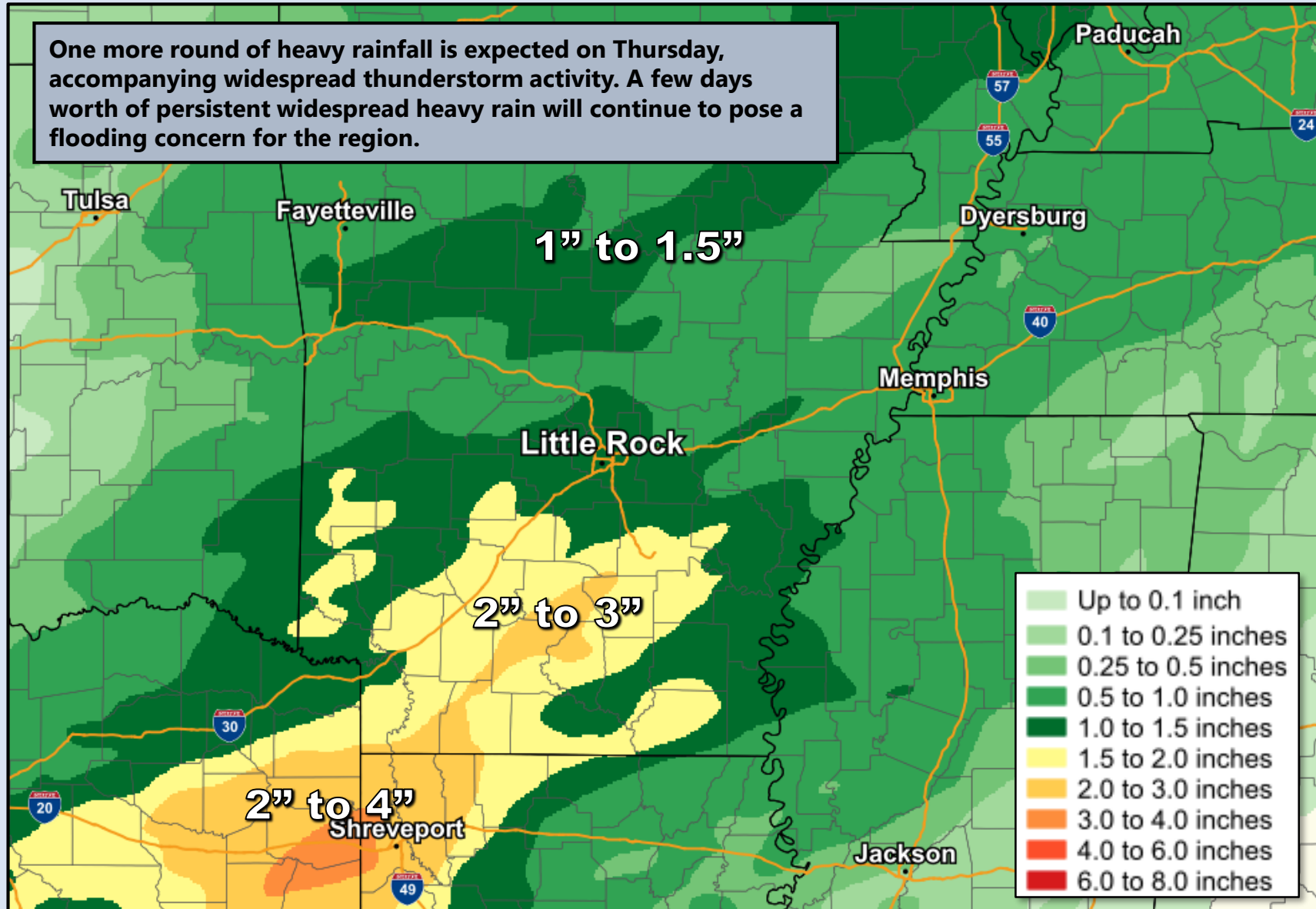
Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50%	SLGT: 10%-20%
MDT: 20%-50%	MRGL: 5%-10%

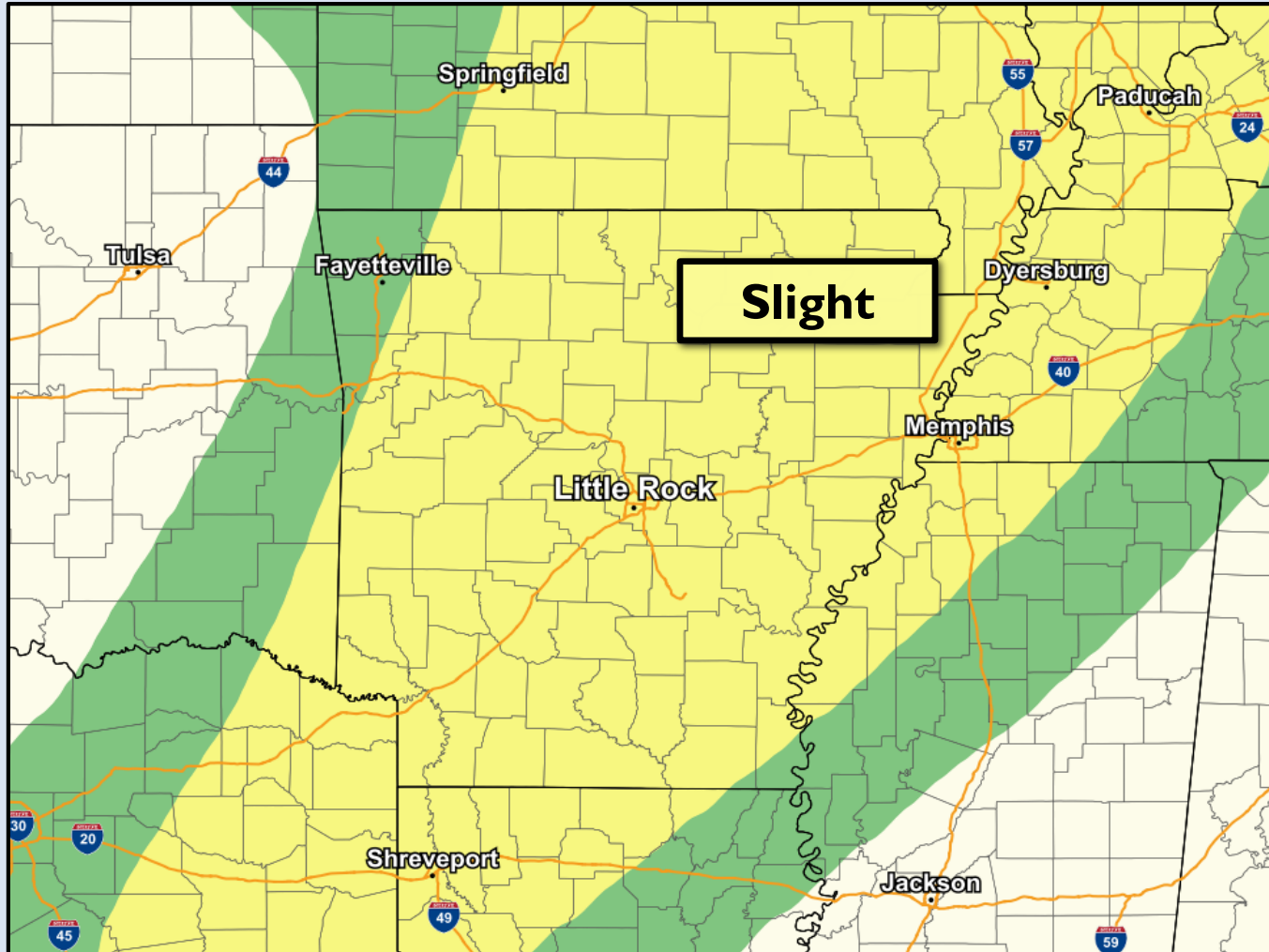
Today, a slight risk of excessive rainfall will be in effect for portions of western and northwestern Arkansas, meaning there will be a 10% to 20% probability of rainfall exceeding flash flood guidance.

Additionally, a moderate risk of excessive rainfall will be in effect for the far northwestern counties of the state, meaning there will be a 20% to 50% probability of rainfall exceeding flash flood guidance.

*Flash Flood Guidance: the amount of rainfall a basin can experience over a period of time (e.g., 3 hours) before it becomes saturated and runoff begins.



Excessive Rainfall Outlook (Thursday - May 5)



Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50%	SLGT: 10%-20%
MDT: 20%-50%	MRGL: 5%-10%

Thursday, a slight risk of excessive rainfall will be in effect for a good portion of the state, meaning there will be a 10% to 20% probability of rainfall exceeding flash flood guidance.

*Flash Flood Guidance: the amount of rainfall a basin can experience over a period of time (e.g., 3 hours) before it becomes saturated and runoff begins.



For the latest information



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