

Heavy Rain and Wind Threat Briefing

June 17, 2026
3:57 PM

Decision Support Briefing #3 for the western Carolinas and northeast Georgia

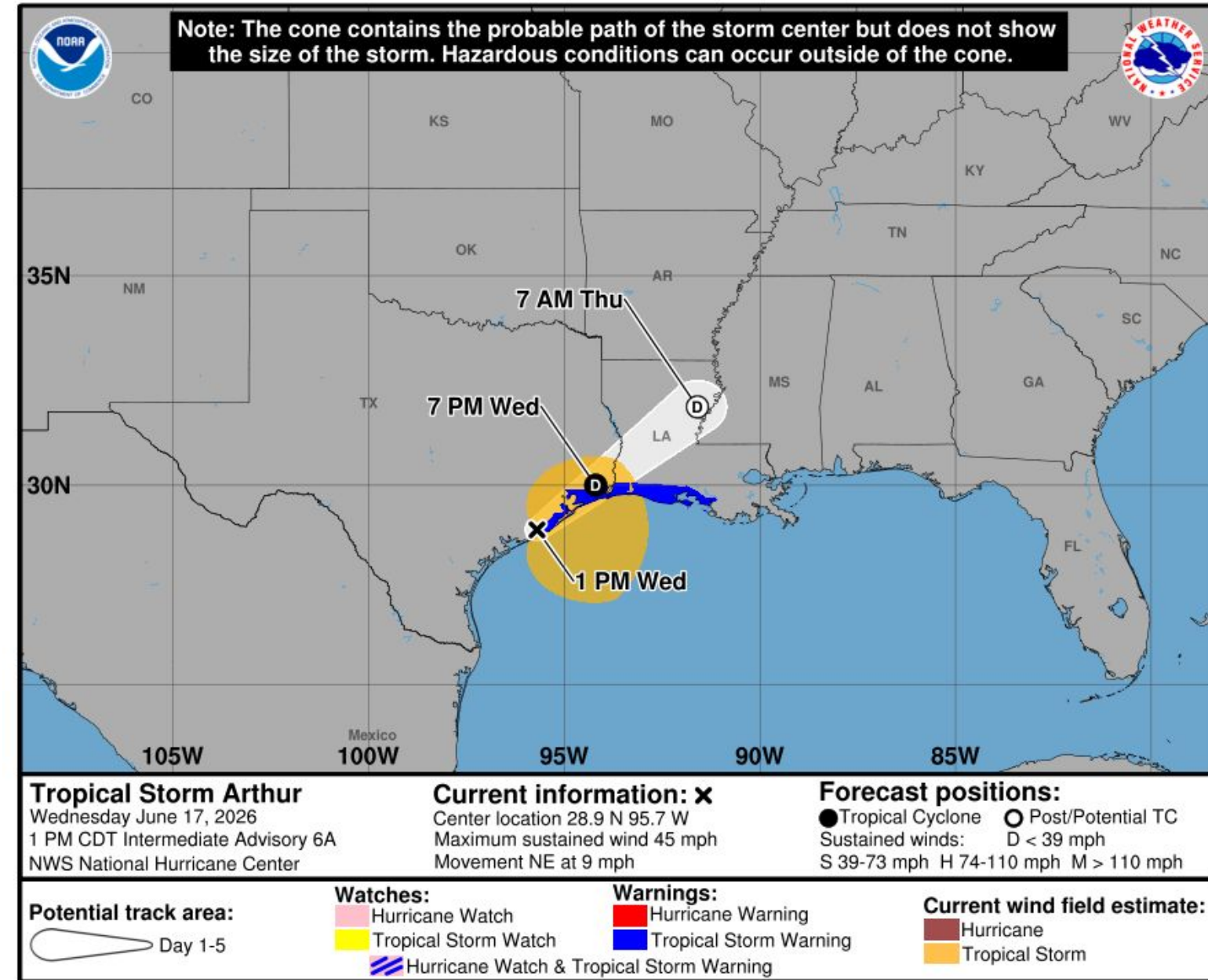
NEW

Important Updates

→ PTC 1 became Tropical Storm Arthur as of 11 AM EDT Wednesday.

Key Messages

- Arthur will dissipate upon moving inland early Thursday, but its remnants will track along a stalled front across the Southeast. Direct tropical impacts to western NC/SC and Northeast GA remain unlikely.
- Heavy rain may affect parts of the area Thursday evening through Friday morning, which could cause at least isolated minor flooding.
- Thunderstorms may pose a threat of severe weather, mainly damaging winds, and mainly Thursday evening through early Friday morning.
- Gusty winds are likely Thursday even where no precipitation is occurring.





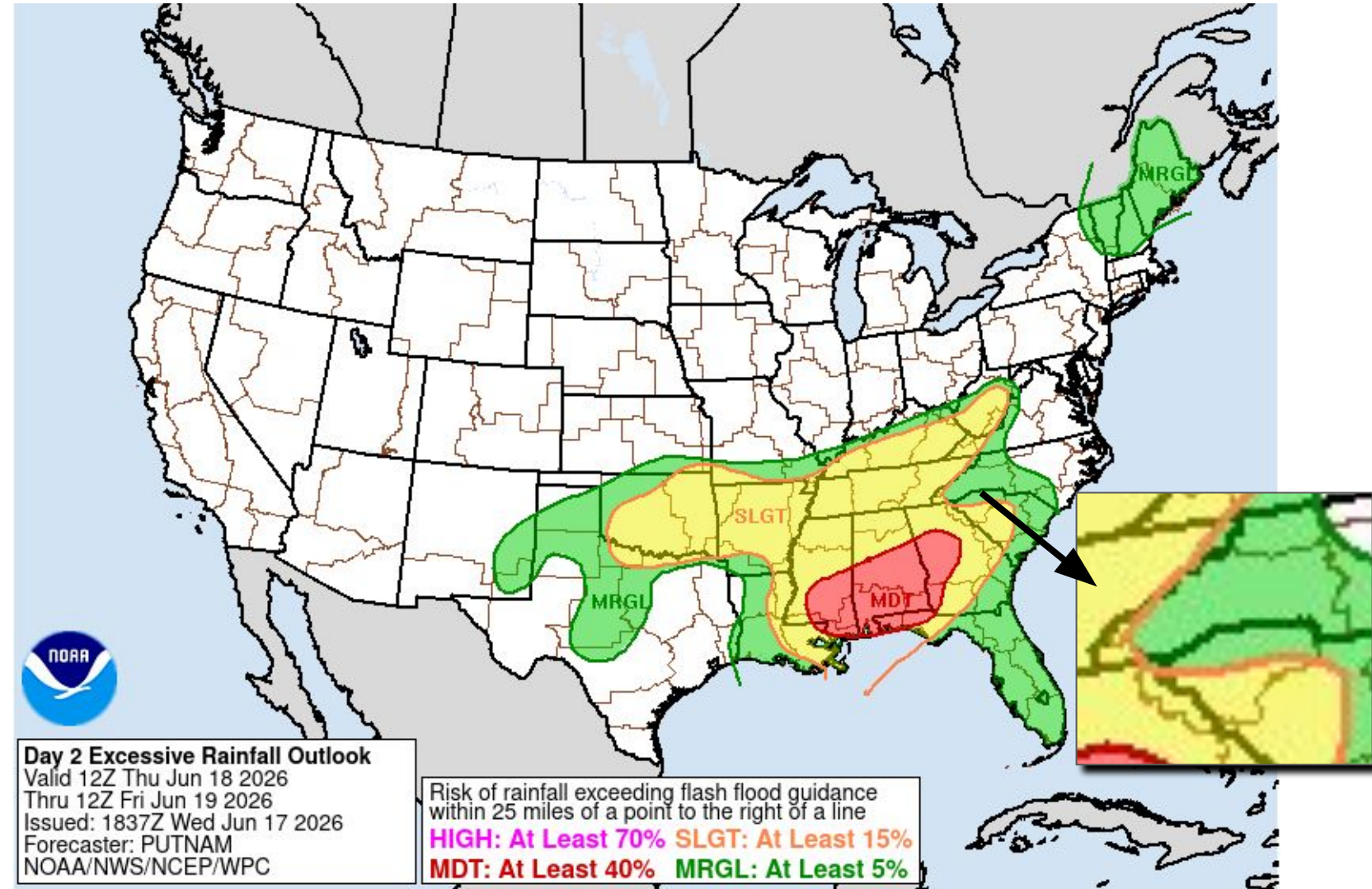
Heavy Rain Potential

June 17, 2026
3:57 PM

Mainly Thursday afternoon through early Friday

Hazard Details

- The greatest rainfall amounts are expected to be along and south of the stalled front. At the present time, the most significant amounts look to be south of I-85 in GA/SC. A secondary area of heavy rainfall is also possible in the mountains of far southwest NC and northeast GA (yellow area at right).
- Slight changes in the position of the front and track of Arthur's remnants could lead to more or less of our area being subject to a heavy rain risk.
- Recent rainfall has alleviated short-term drought impacts to the point that drought is not expected to mitigate the threat of flash flooding from this event.
- Most of the expected rainfall could fall within a 1- to 3-hour window. Heavy rain rates could lead to excessive runoff, rapid rises on small streams, and isolated areas of flash flooding.
- See the next slide for information on amounts.



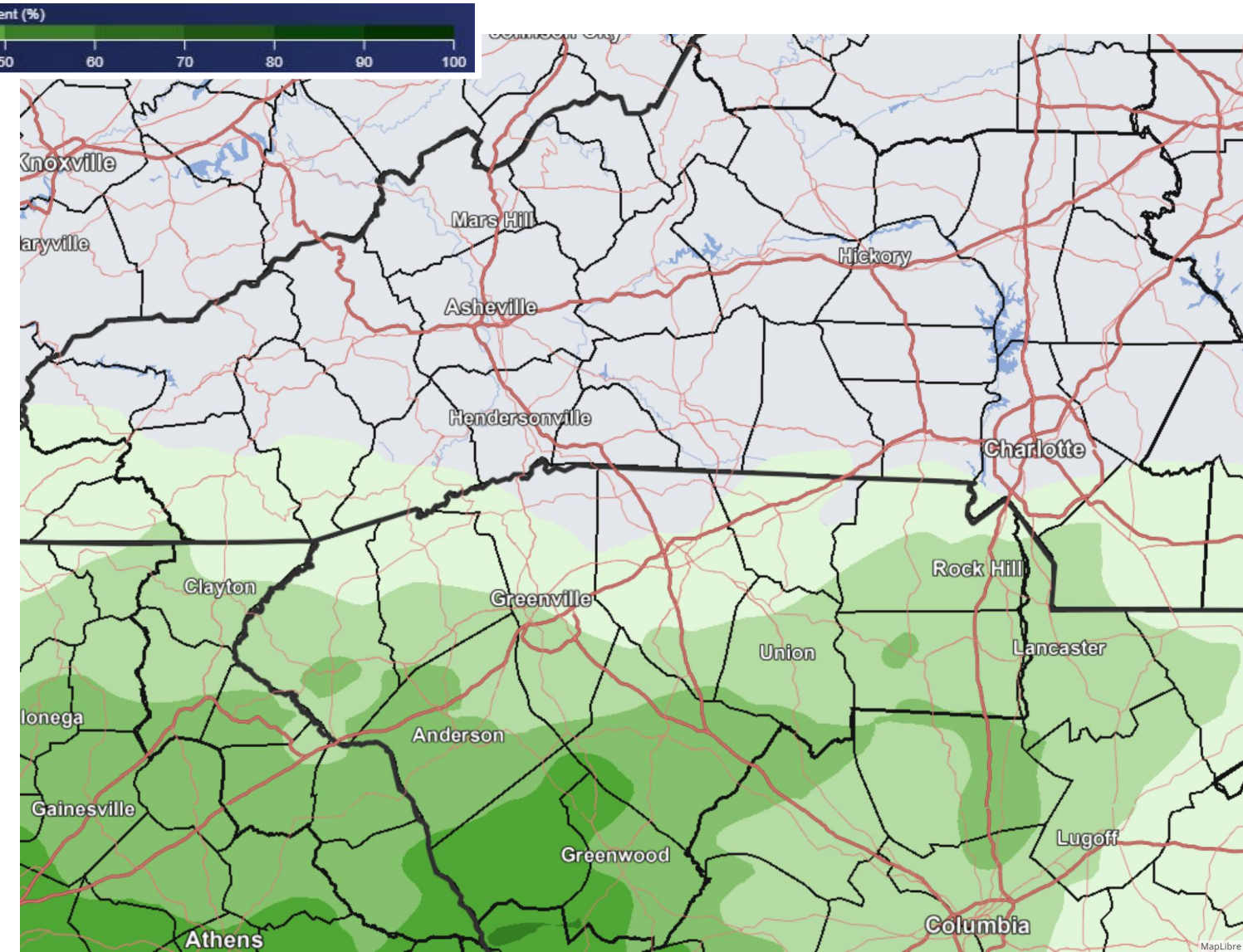
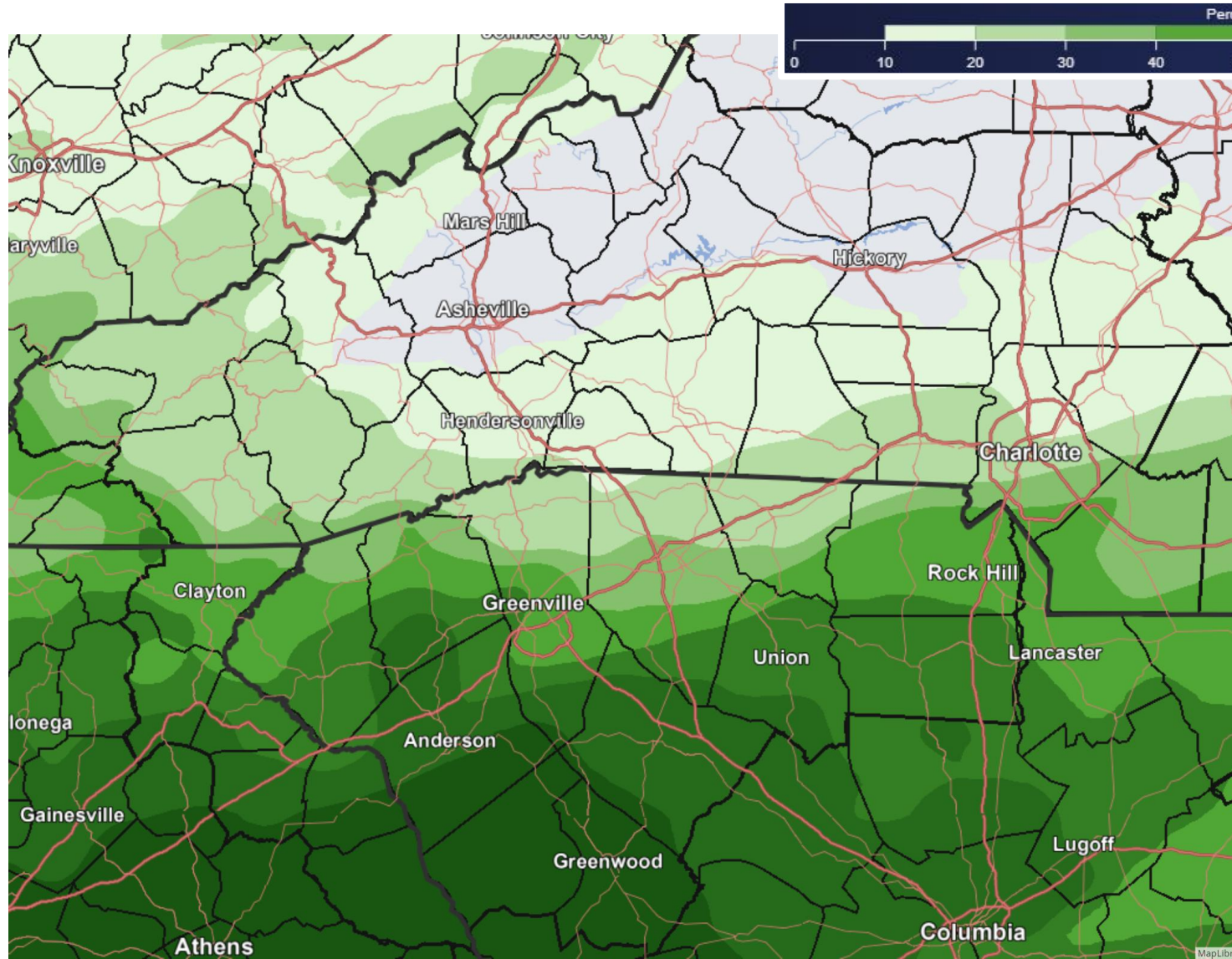


Rainfall Probabilities

June 17, 2026
3:57 PM

Likelihood of 1 inch total rainfall through Friday night

Likelihood of 2 inch total rainfall through Friday night



Not an official forecast: The above images are a numeric representation of our confidence that these thresholds will be reached.
 For locations outside the NWS GSP service area (bold black line), consult the local NWS office's briefings or forecasts.





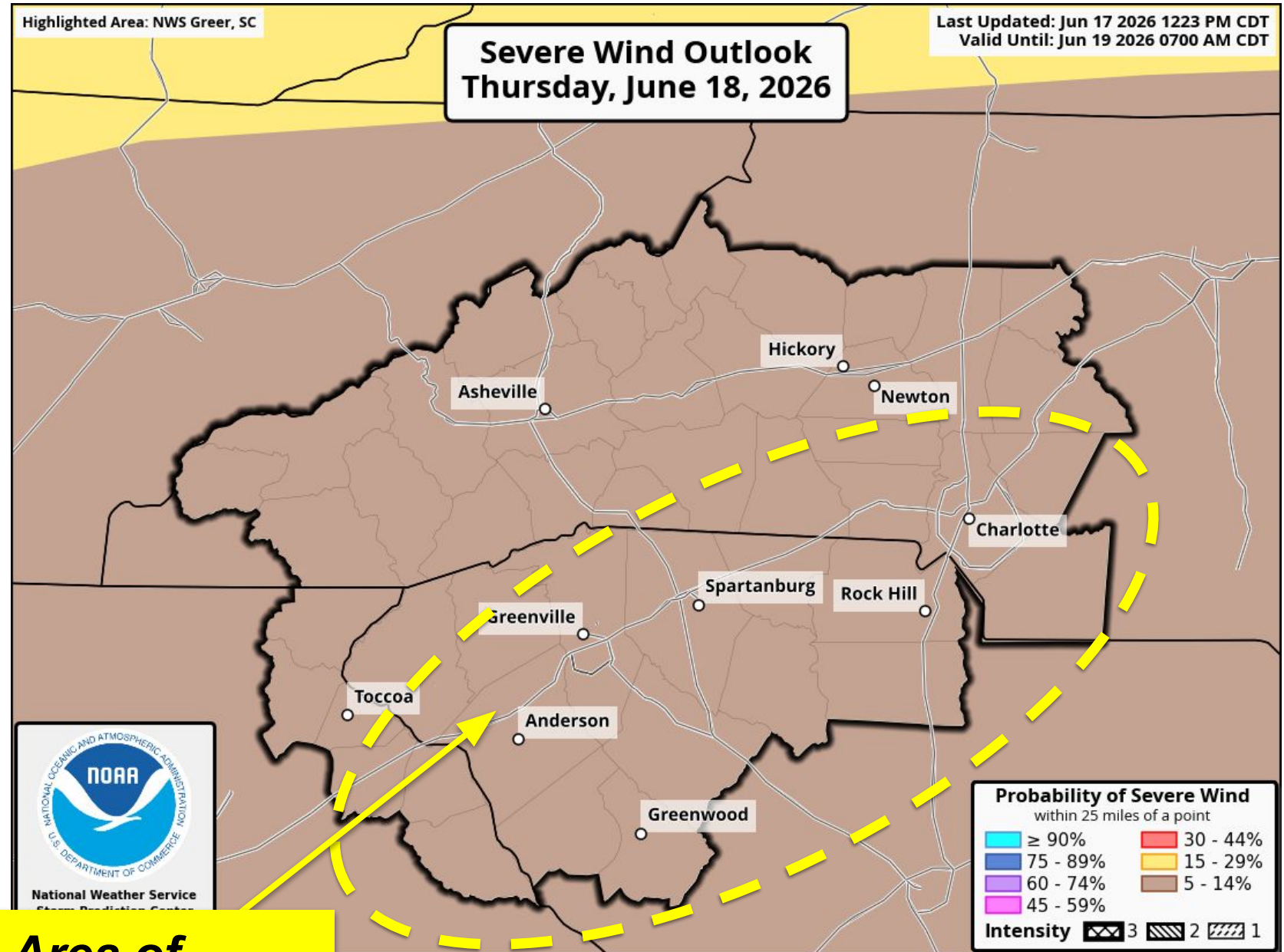
Severe Weather Threat

June 17, 2026
3:57 PM

Primarily late Thursday afternoon into very early Friday morning

Hazard Details

- Scattered thunderstorms are expected across the area Thursday afternoon.
- Ahead of Arthur's remnant circulation, along or south of the stalled front, severe weather could develop in the form of isolated damaging winds or even a tornado. Severe weather could occur with little to no thunder in this setup.
- Confidence has increased on a nonzero severe threat, particularly southeast of I-85. The chance still looks to be greater to our south and southwest. *Peak threat 5 PM to 2 AM, subject to change.*
- A few thunderstorms are possible Friday afternoon across the Piedmont, but are not currently expected to pose a threat of severe weather.



Area of primary concern





Gusty Winds

Mainly Thursday

June 17, 2026
3:57 PM

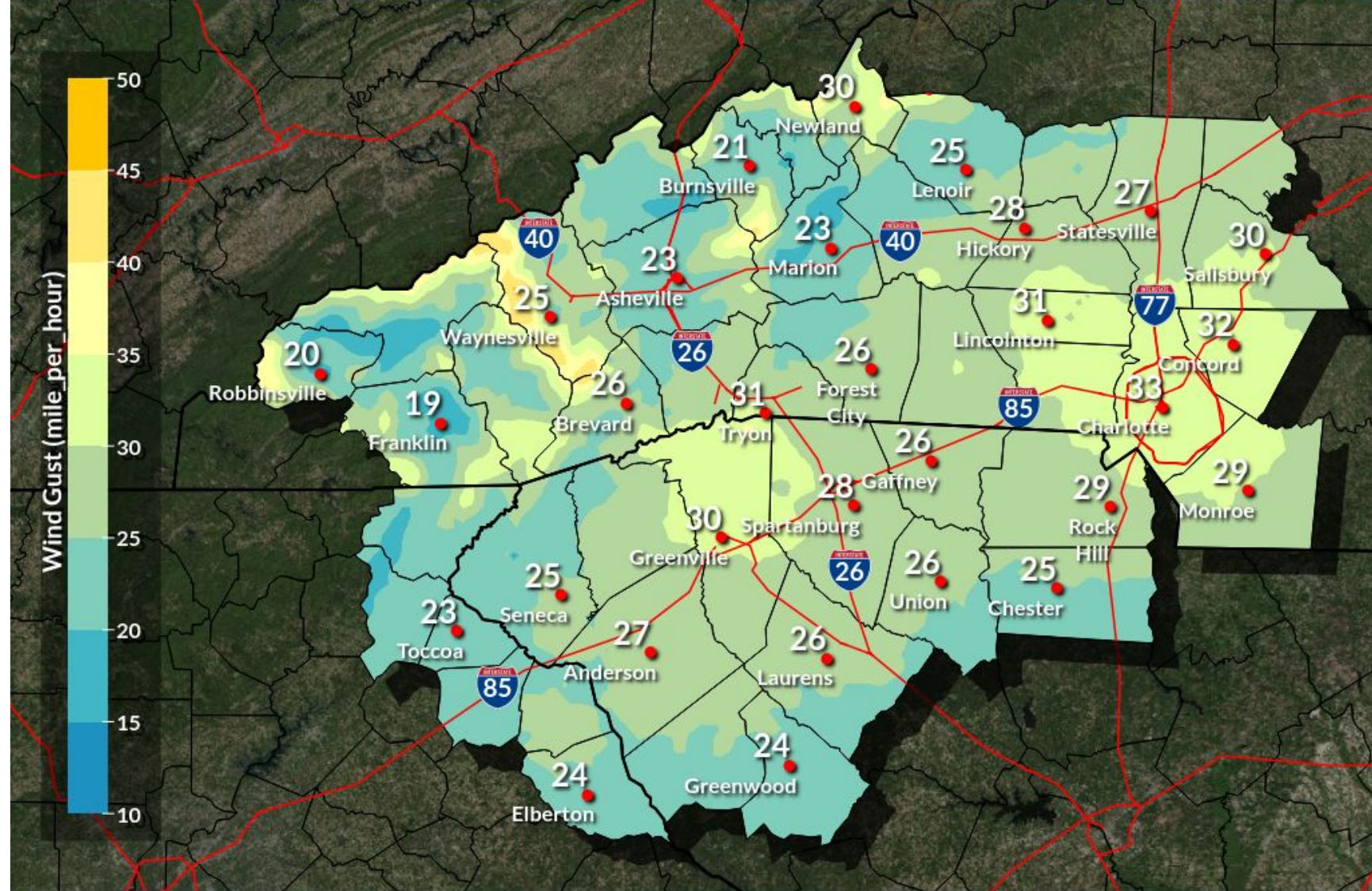
Hazard Details

- The weather pattern Thursday will support the development of gusty winds even where no precipitation is occurring. These winds are not directly attributable to Arthur.
- Gusts of 35-45 mph are possible in high elevations late tonight and Thursday morning.
- Sustained winds of 15-20 mph are likely throughout the area much of the day Thursday, with peak gusts of 25-35 mph during the afternoon, particularly over the Piedmont.
- Breezy winds Friday but with gusts generally below 25 mph, perhaps higher over the NC mountains.

Peak Wind Gust

Thursday 8 AM Through Friday 8 AM EDT

Weather Forecast Office
Greenville-Spartanburg
Issued Jun 17, 2026 2:27 PM EDT



Facebook and X: @NWSGSP

weather.gov/gsp



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

National Weather Service
Greenville-Spartanburg, SC



Contact and Next Briefing Information

For the western Carolinas and northeast Georgia



Briefing Webpage

→ weather.gov/gsp/brief



Next Briefing

→ By 5 AM Thursday, June 18

→ Method: PDF



Disclaimer

→ Information contained in this briefing is time-sensitive

→ **Do Not Use After: 1 AM Thursday, June 18**



Contact Information

Web

→ weather.gov/gsp

Phone

→ 864-848-3859

Email

→ nws.er.gsp.met@noaa.gov

Facebook

→ <https://facebook.com/NWSGSP/>

X

→ <https://x.com/NWSGSP>

