



TROPICAL STORM NICOLE BRIEFING

5 AM ET

Wednesday, November 9,
2022

What Has Changed: Tropical Storm Watch upgraded to Tropical Storm Warning along coast.

Next Briefing (webinar): Wed, Nov 9, 2022 @ 11:30 AM EST

Disclaimer: The information contained within is time-sensitive. Do not use after 11 PM EDT Tuesday.



Situation Overview

Tropical Storm Nicole

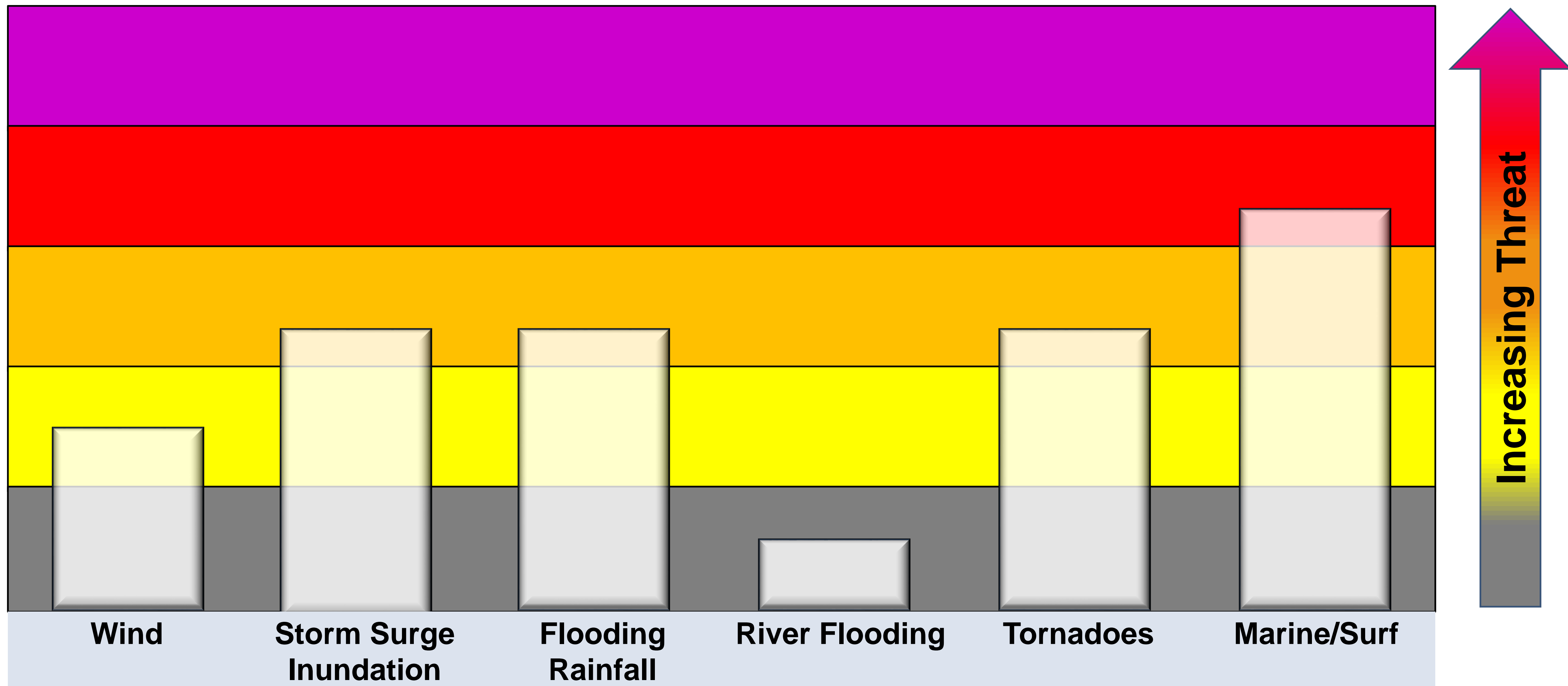
- **Primary Impacts:**
 - Coastal flooding; dangerous storm surge inundation possible
 - Locally heavy rainfall, mainly Thursday and Thursday night
 - Isolated tornadoes possible Thursday into Friday
 - Dangerous marine conditions
 - Beach erosion, dangerous surf and rip currents
 - Tropical storm force winds/wind gusts, especially near the coast and across Atlantic waters



Threat Levels

Tropical Storm Nicole

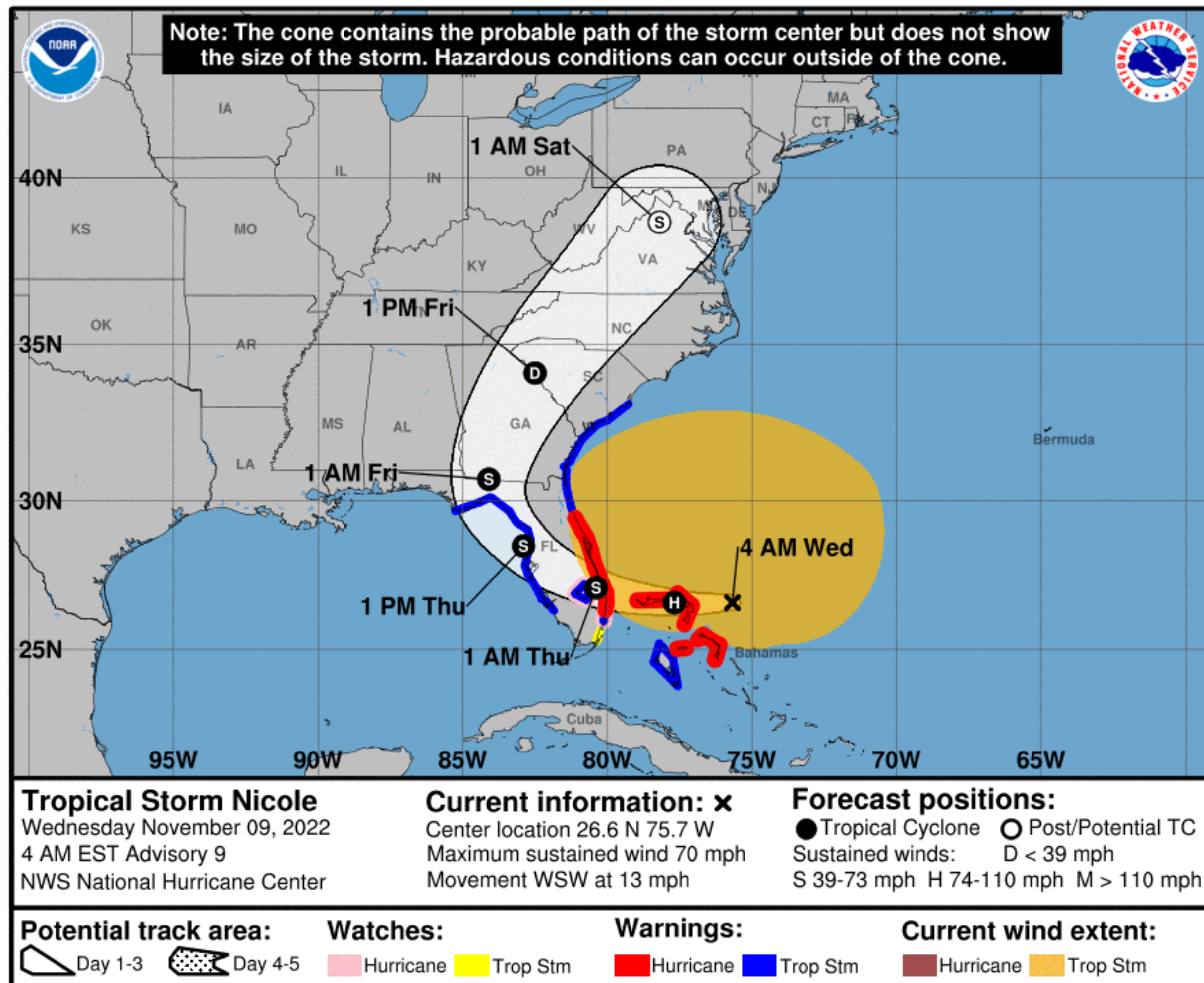
For information on specific hazards in this area, please go to <https://www.weather.gov/chs/tropical>





Situation Overview

Tropical Storm Nicole



- After landfall in Florida, Nicole still expected to recurve toward the northeast late week.

Watches/Warnings/Advisories

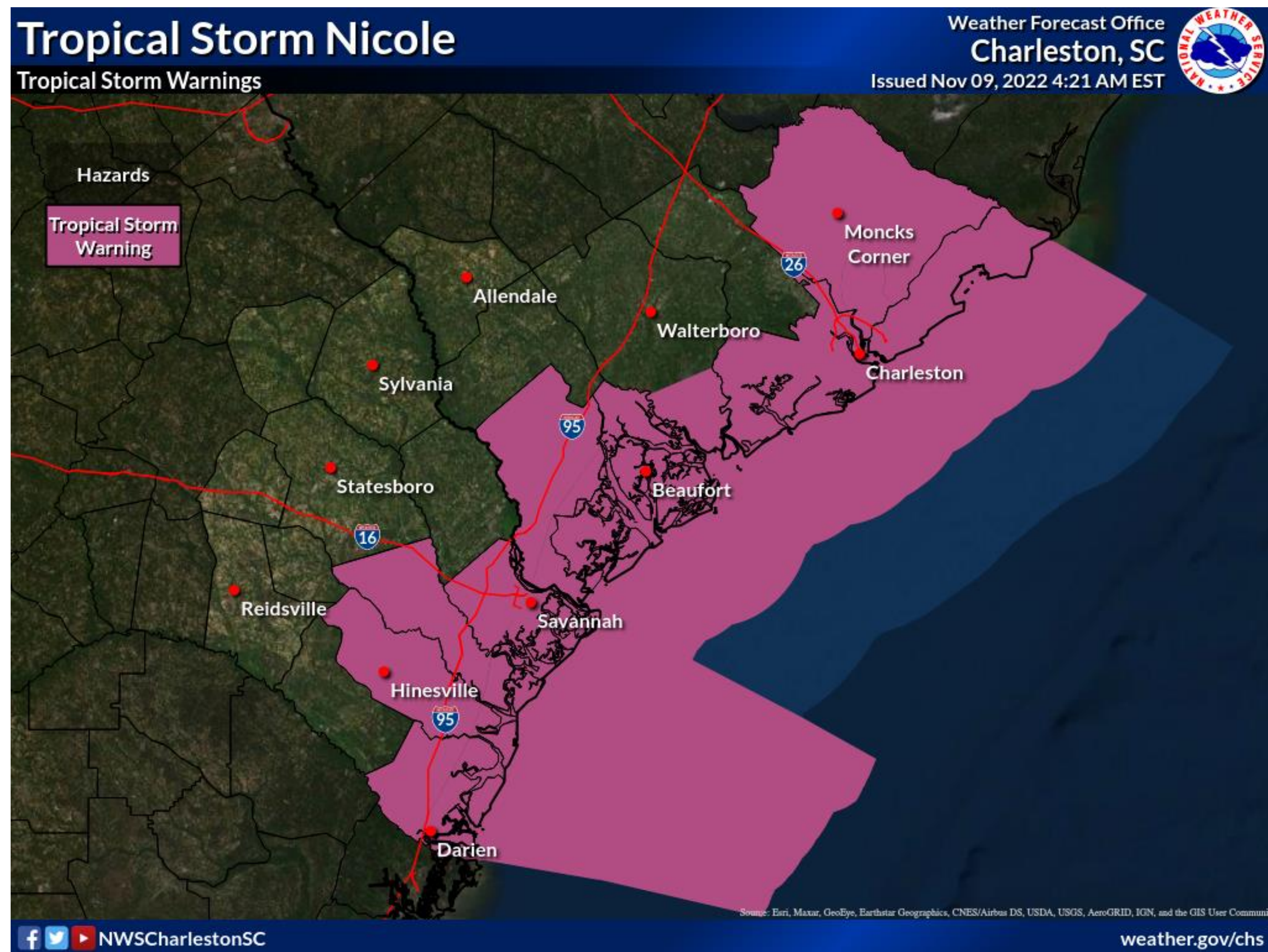
- Tropical Storm Warning for Berkeley County and for all coastal counties and Atlantic coastal waters including Charleston Harbor
- Storm Surge Watch remains in effect for coast from Altamaha Sound to South Santee River
- High Surf Advisory for entire coast

NOTE: Do not focus on the exact track as impacts can occur well outside the area enclosed by the cone!



Situation Overview

Tropical Storm Nicole

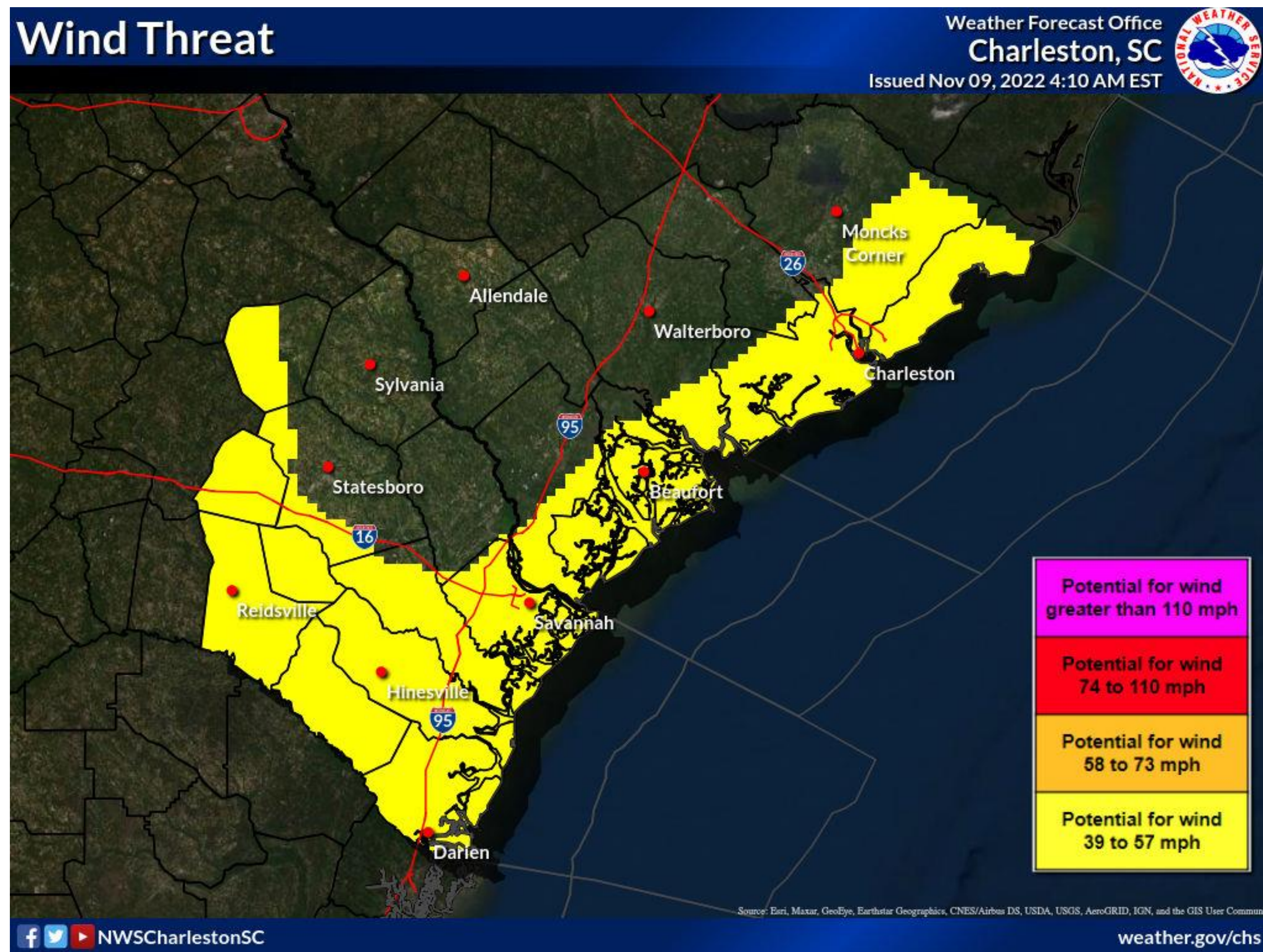


- Tropical Storm Watches have been upgraded to Tropical Storm Warnings on land



Wind Threat & Potential Impacts

Tropical Storm Nicole



Main Threat Area:

- Close to the coast and perhaps well inland
- Highest winds/gusts along the immediate coast

Main Threat Timing:

- Coastal Areas: Today into Friday
- Inland: Late Thursday into Friday as Nicole passes over or west of this area

Main Potential Impacts:

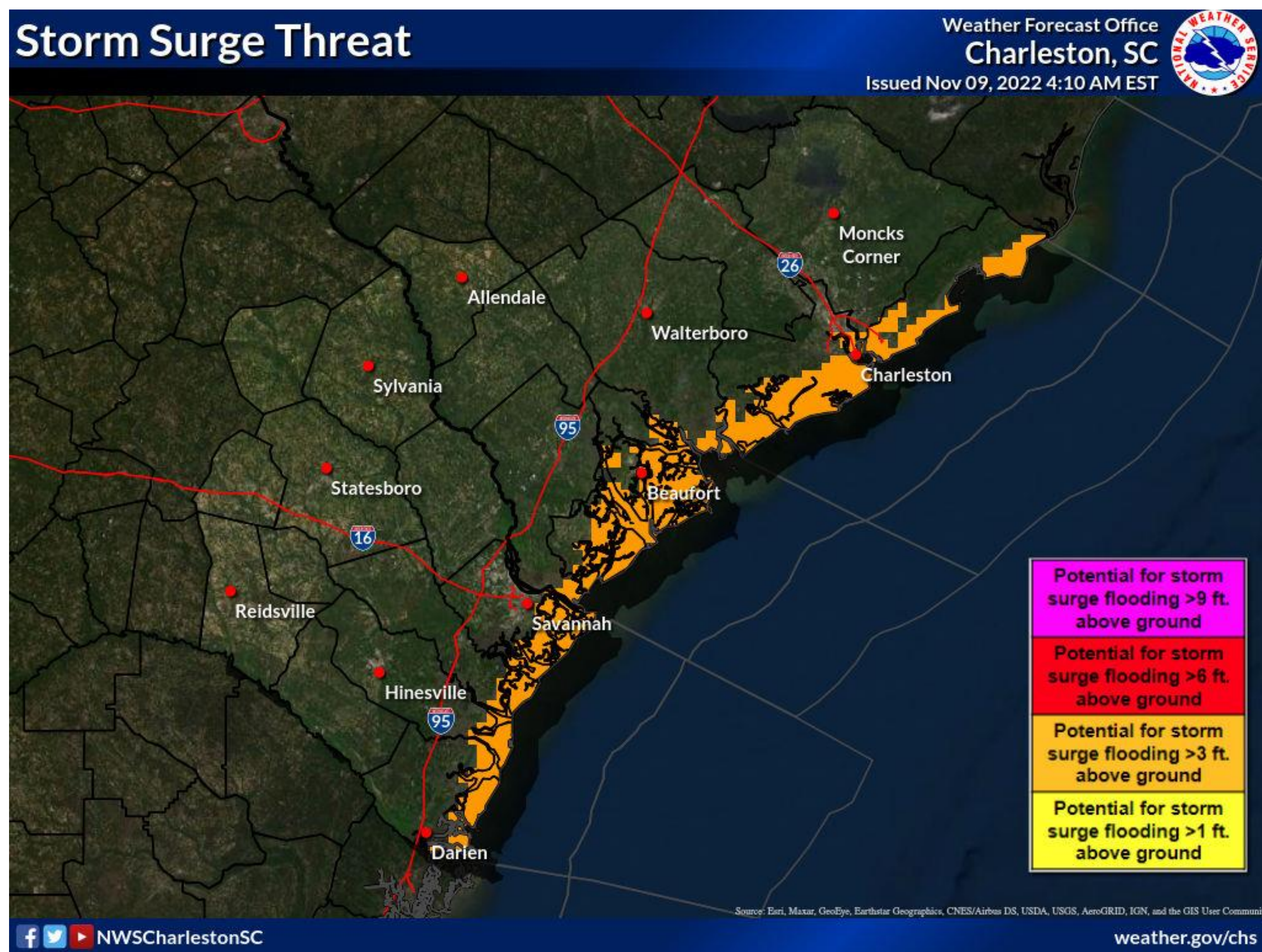
- Scattered trees down and power outages
- Some minor property damage
- [Additional Potential Impact Statements](#)

*NOTE: Graphic incorporates forecast uncertainty and represents what should be prepared for



Storm Surge Threat & Potential Impacts

Tropical Storm Nicole



Main Threat Area:

- Tidally-influenced areas across our entire SC and GA coast

Main Threat Timing:

- Today through Friday, especially during the morning high tide cycles

Main Potential Impacts:

- Dangerous storm surge inundation is possible
- Significant coastal flooding of roads/properties is likely
- Moderate to major beach erosion due to elevated tides and high surf
- [Additional Potential Impact Statements](#)

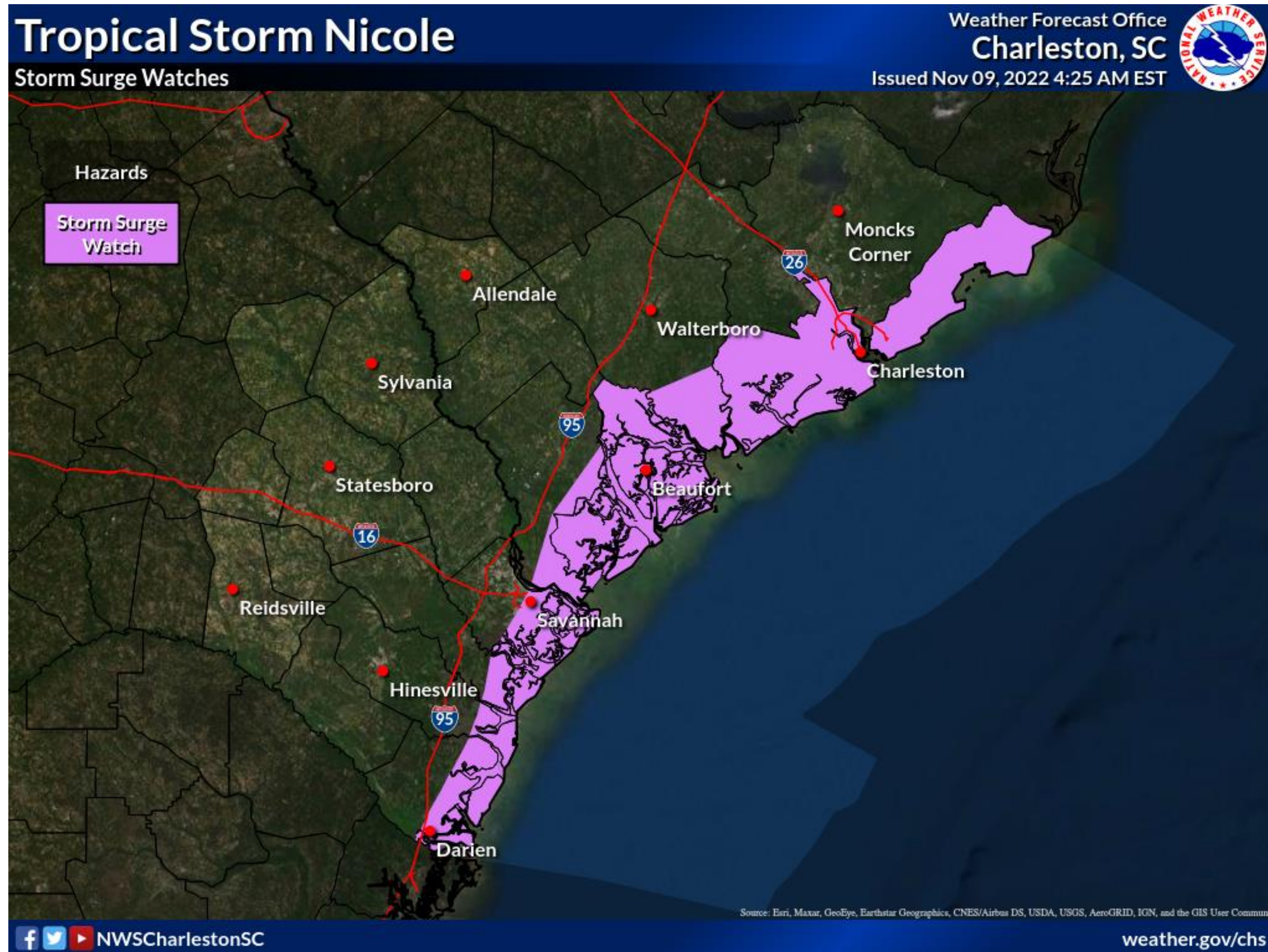
NOTE: Several rounds of elevated tides are likely (even during times of low astronomical tides) causing extended periods of flooding

*NOTE: Graphic incorporates forecast uncertainty and represents what should be prepared for



Storm Surge Watch/Warning

Tropical Storm Nicole

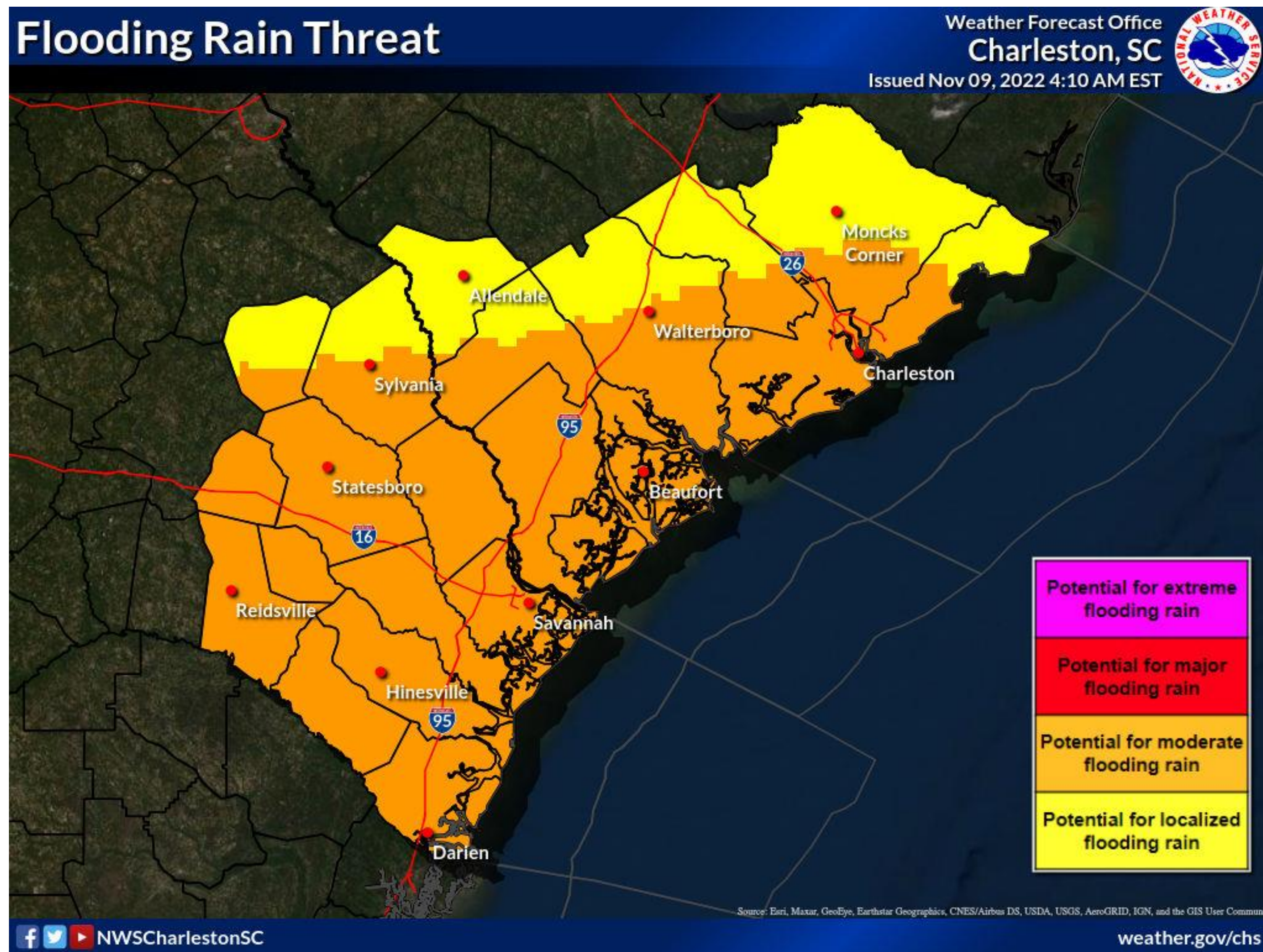


- Storm Surge Watch remains in effect for our coastline



Flooding Rainfall Threat & Potential Impacts

Tropical Storm Nicole



Main Threat Area:

- Along the coast and along/west of I-95

Main Threat Timing:

- Heaviest rainfall expected Thursday afternoon into Friday

Main Potential Impacts:

- Significant flooding of low-lying/poorly drained areas
- Heavy rain close to the times of high tide could exacerbate coastal flooding
- [Additional Potential Impact Statements](#)

*NOTE: Graphic incorporates forecast uncertainty and represents what should be prepared for

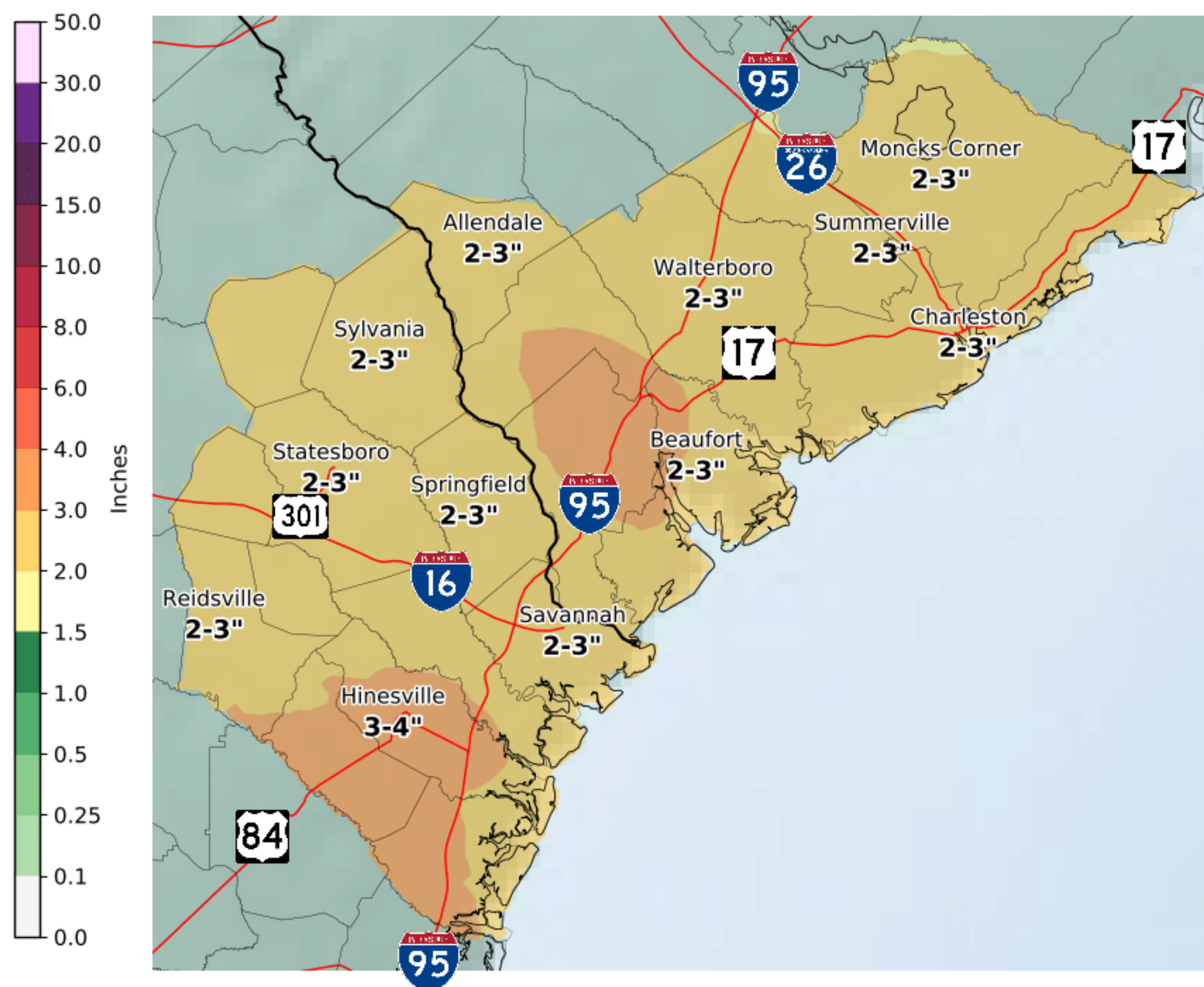


Expected Storm Total Rainfall

Tropical Storm Nicole

Precipitation Forecast

Valid: 11/09/2022 07:00 PM - 11/12/2022 01:00 AM



National Weather Service
Charleston, SC
11/09/2022 03:08 AM EST

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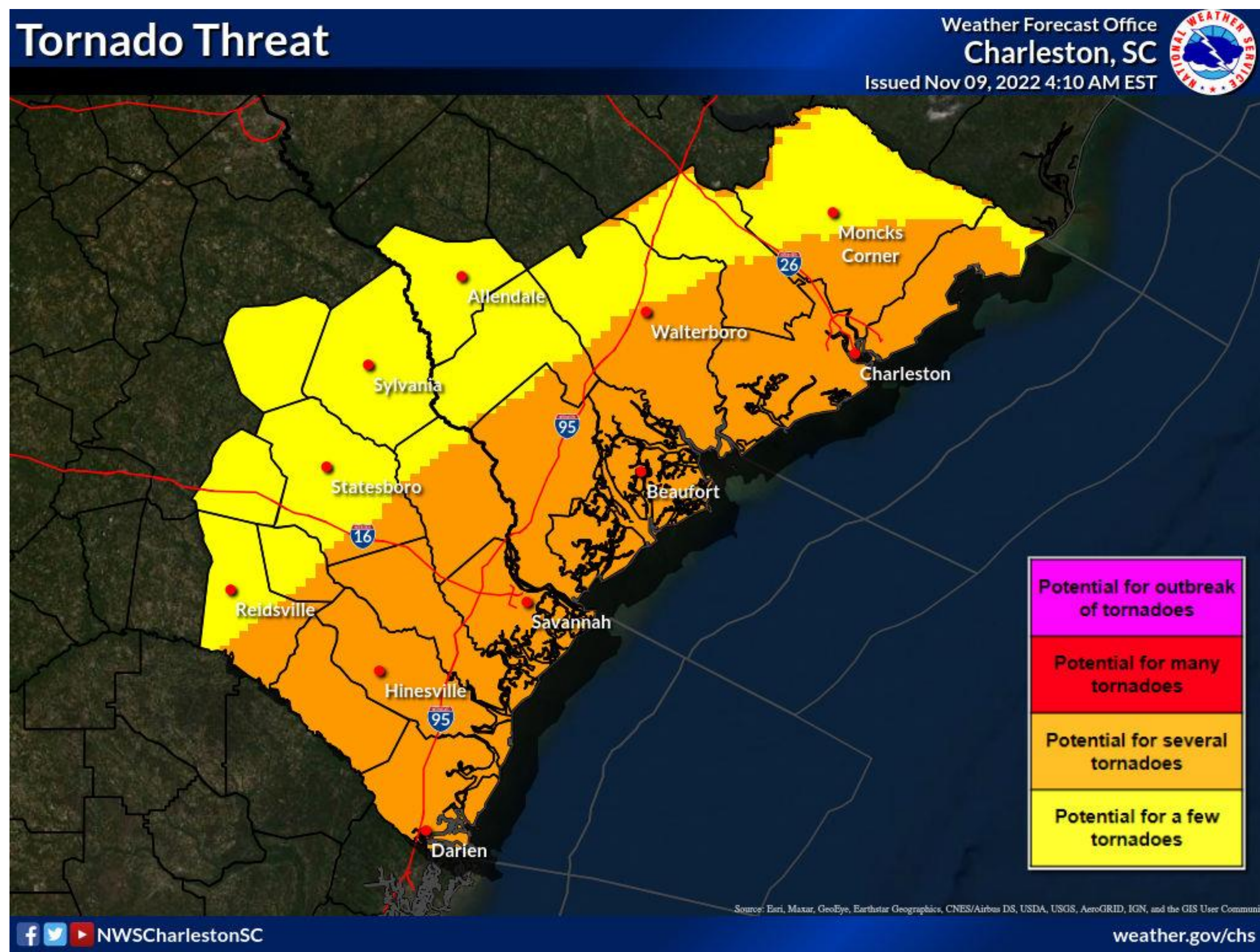
weather.gov/chs

- Storm Total rainfall forecast valid through Saturday
 - 2-3 inches likely most areas, with some areas along/west of I-95 3-4 inches. Local amounts around 5 inches possible
- Rain could be heavy at times causing at least minor flooding of low-lying and poorly drained areas
- Flooding could be enhanced in tidal urban areas like Downtown Charleston if heavy rain occurs around the times of high tide Thursday into Friday



Tornado Threat & Potential Impacts

Tropical Storm Nicole



Main Threat Area:

- The SC Lowcountry and GA Coastal Empire, especially closer to the coast
- The overall threat has increased since the previous Advisory

Main Threat Timing:

- Thursday night into Friday

Main Potential Impacts:

- Isolated damage to trees, power lines and mobile homes
- Isolated power outages
- [Additional Potential Impact Statements](#)

NOTE: Tropical tornadoes are typically weak and short-lived and thus may occur with little to no warning.

*NOTE: Graphic incorporates forecast uncertainty and represents what should be prepared for



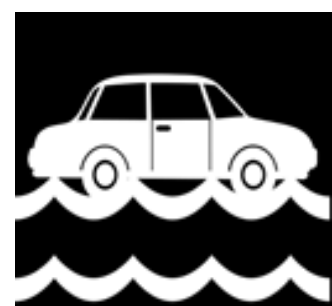
Key Take-Aways

Tropical Storm Nicole

- ✓ Confidence that Nicole will produce impacts here is HIGH
- ✓ Confidence in type and extent of impacts varies by hazard and location



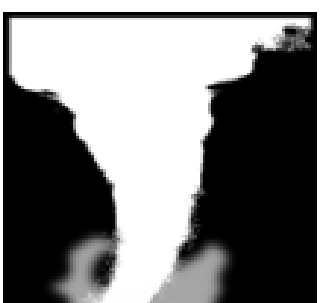
Tropical storm force winds/gusts could produce minor tree and structural damage today through Friday, especially near the coast through late week and/or within any tropical rain bands that move farther inland Thursday into Friday



Moderate to major coastal flooding likely, especially during the morning high tides today through Friday. Dangerous storm surge inundation is possible



Locally heavy rainfall flooding and at least minor flooding of poorly drained areas are possible Thursday afternoon into Friday



Isolated tornadoes are possible Thursday night into Friday



Dangerous marine/surf conditions expected today into Friday along the southern SC/northern GA coasts and over the nearby Atlantic waters