



# Tropical Storm Isaias

(pronounced “ees-ah-EE-ahs”)

## Briefing for northeast South Carolina and southeast North Carolina

### What has changed:

- ✓ Updated with 5 PM NHC Forecast Info
- ✓ Isaias downgraded to a Strong Tropical Storm.
- ✓ Isaias expected to fluctuate and may reach Hurricane level again within the next 24 to 36 hours.
- ✓ Rainfall amounts were nudged upward slightly.

**6:00 PM EDT**

**Saturday August 1, 2020**

*Prepared by: WFO Wilmington, NC*

**Next Briefing: 7 AM EDT Sunday August 2 2020**

*Disclaimer: The information contained within is time-sensitive. Do not use after Midnight Sunday Aug 2, 2020*

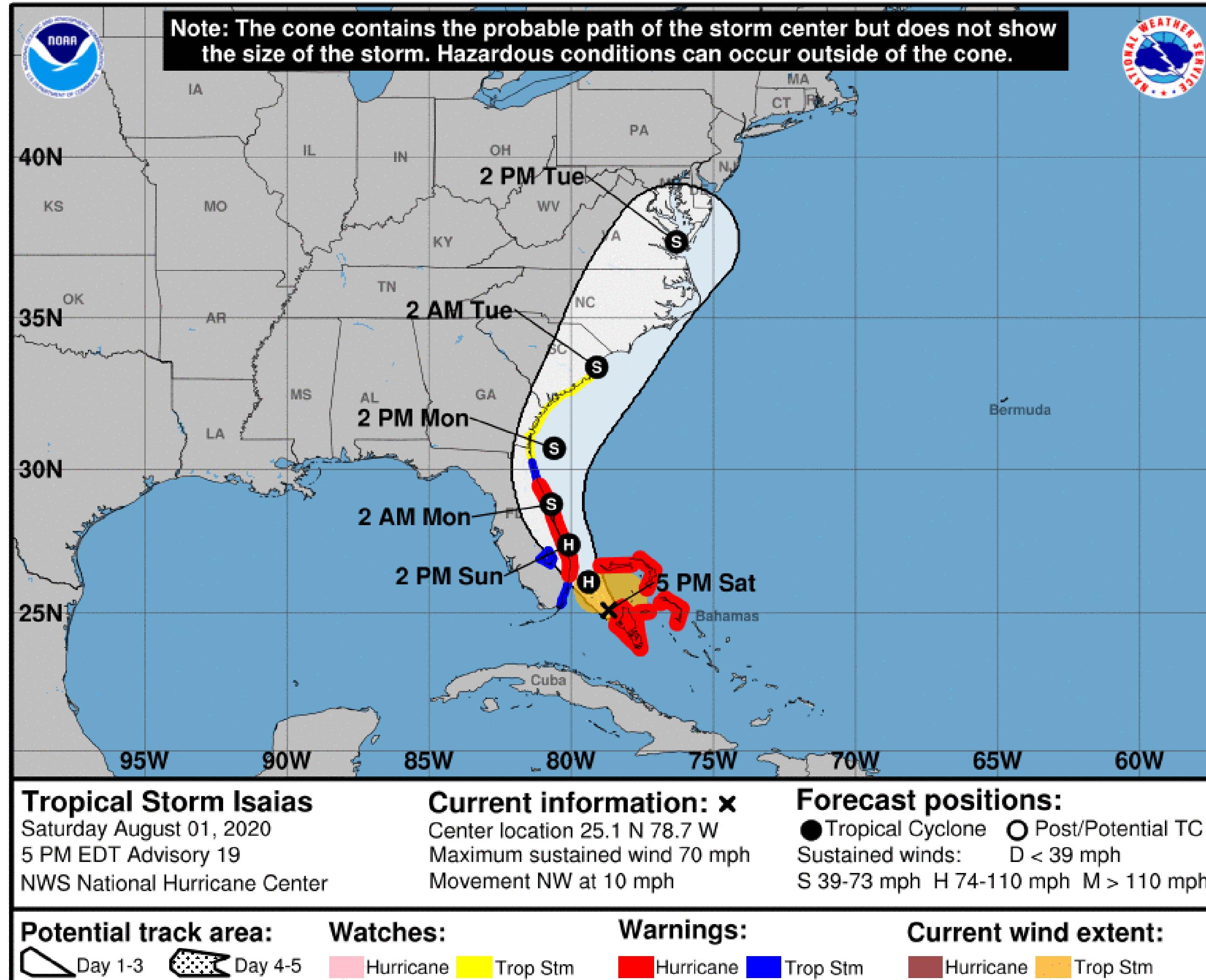
# Situation Overview

# Tropical Storm Isaias



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- The forecast track remains close to the Southeast U.S. coast with the storm's closest approach to northeast SC Monday night and southeast NC early Tuesday morning
- Some uncertainty remains with the forecast, especially the intensity given possible land interactions with FL and the Southeast U.S. coast
- Given the current track, conditions should begin to improve for the area during Tuesday as the storm exits toward the northeast.

**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

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Hazard	Impacts	Location	Timing
Wind 	Potential for wind impacts remain the same. Downed trees/limbs and some power outages a possibility.	Especially coastal areas of Northeast SC and southeast NC	Monday evening into Tuesday morning
Storm Surge/ Inundation 	Some minor coastal inundation and erosion possible	Beaches of Northeast SC and southeast NC	Especially around high tide Monday night
Flooding Rain 	Some flooding possible, especially near poor drainage and low-lying flood prone locations	Northeast SC and southeast NC	Monday Night into Tuesday morning
Tornado 	A few tornadoes possible	Primarily coastal areas of Northeast SC and southeast NC	Monday night
Marine 	Hazardous marine conditions and increasing threat of rip currents	All waters coastal and nearshore waters, and beaches	Rip current threat continues early next week. High seas/wind highest Monday night into early Tuesday morning

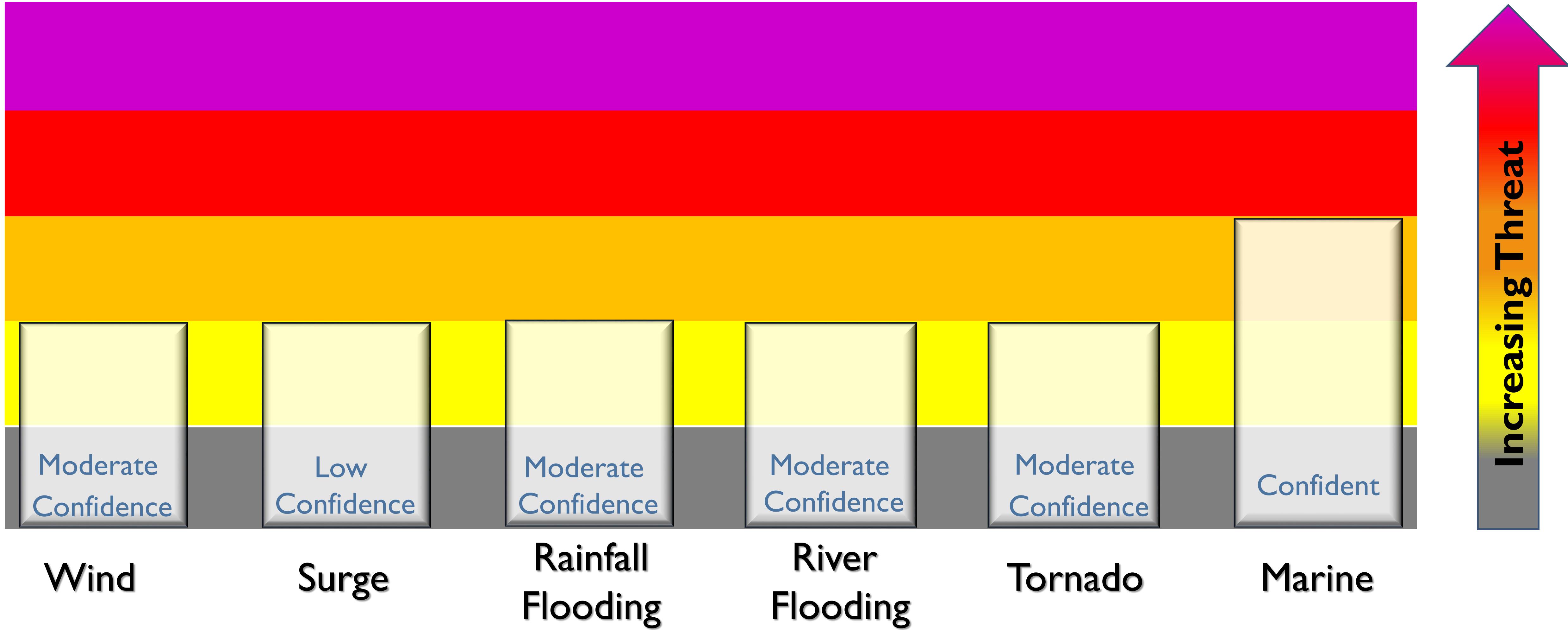
# Threat Levels

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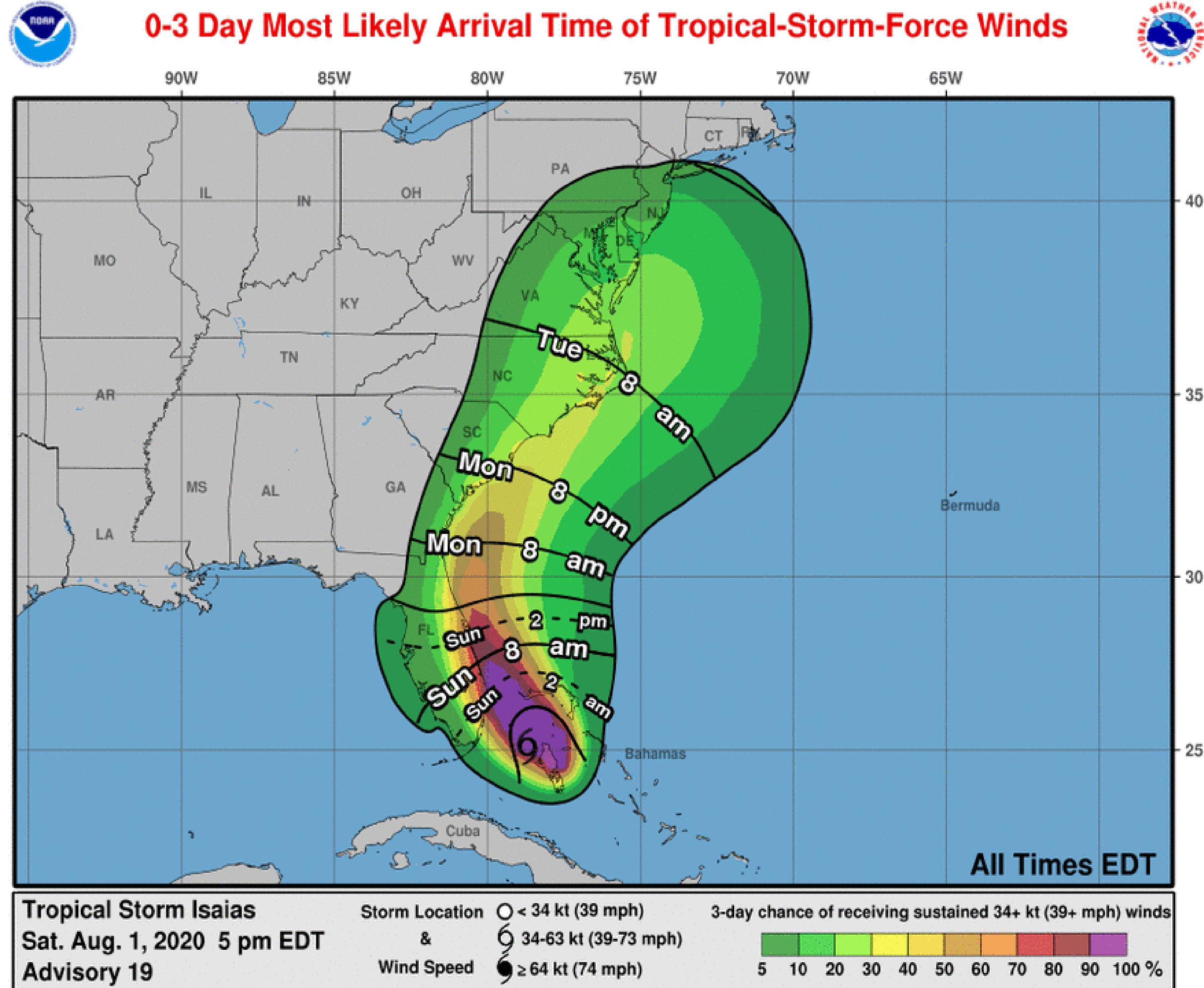
# Tropical Storm Wind Speed Probabilities

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- The probabilities for tropical storm force winds has decreased slightly across northeast SC and southeast NC
- The highest probabilities for tropical storm force winds are found along the coastal areas and higher values over the adjacent Atlantic waters.
- Most likely arrival of tropical storm force winds is Monday night for northeast SC and southeast NC.

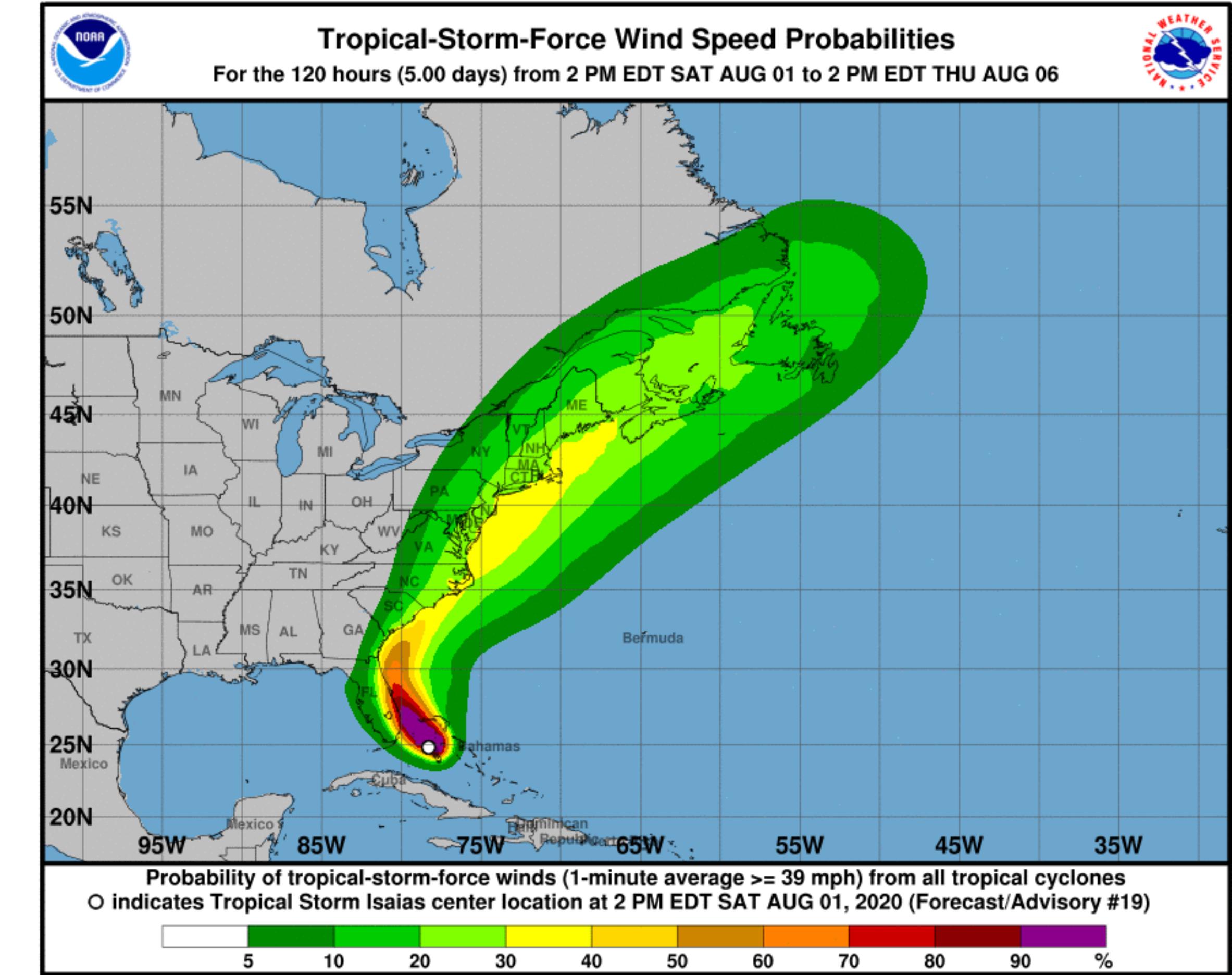
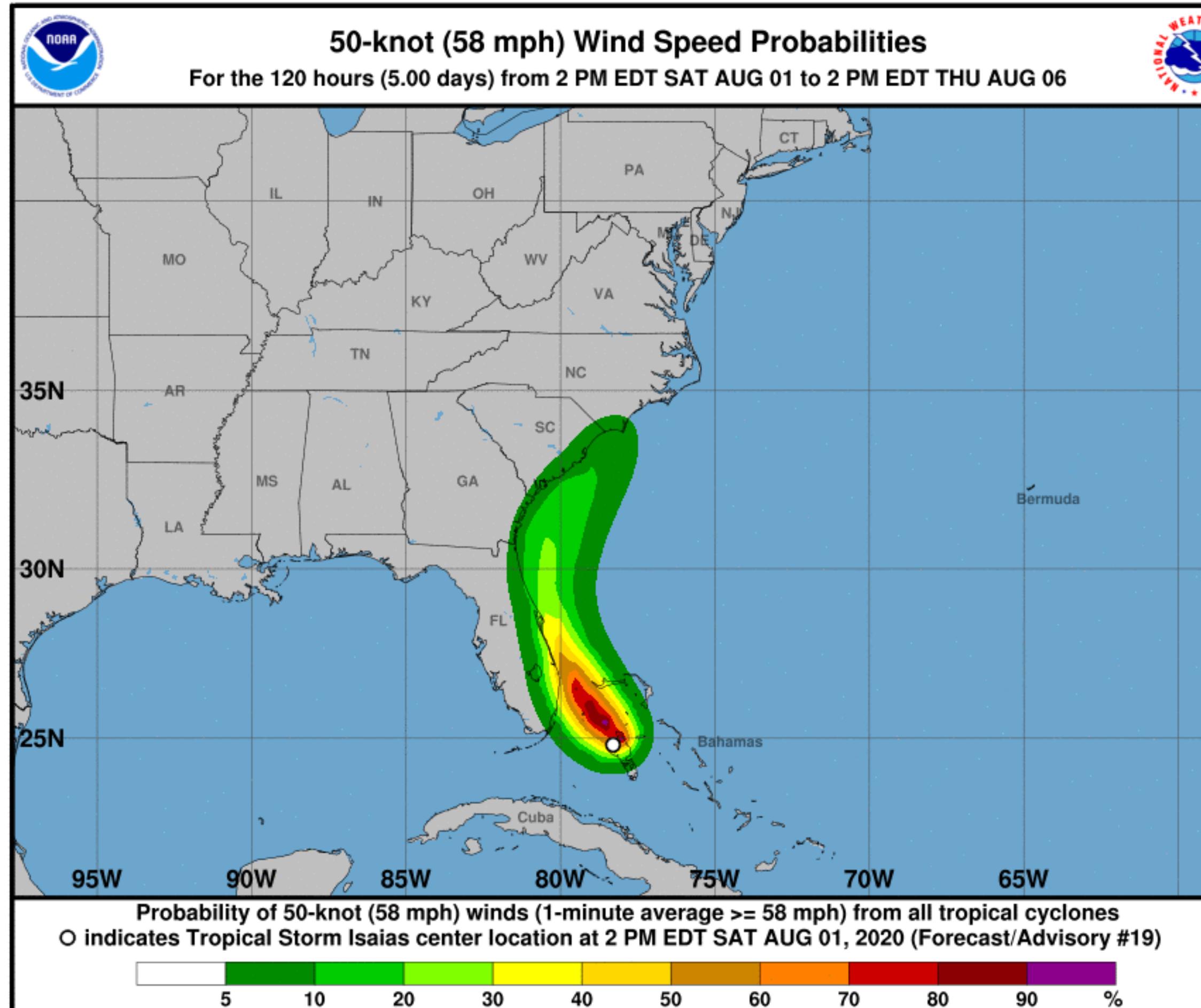
# Wind Speed Probabilities

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- 50 knot wind speed probabilities have decreased slightly and extend into primarily the coastal areas of the Carolinas, while the hurricane-force wind speed probabilities are focused over along the southeast Florida coast.

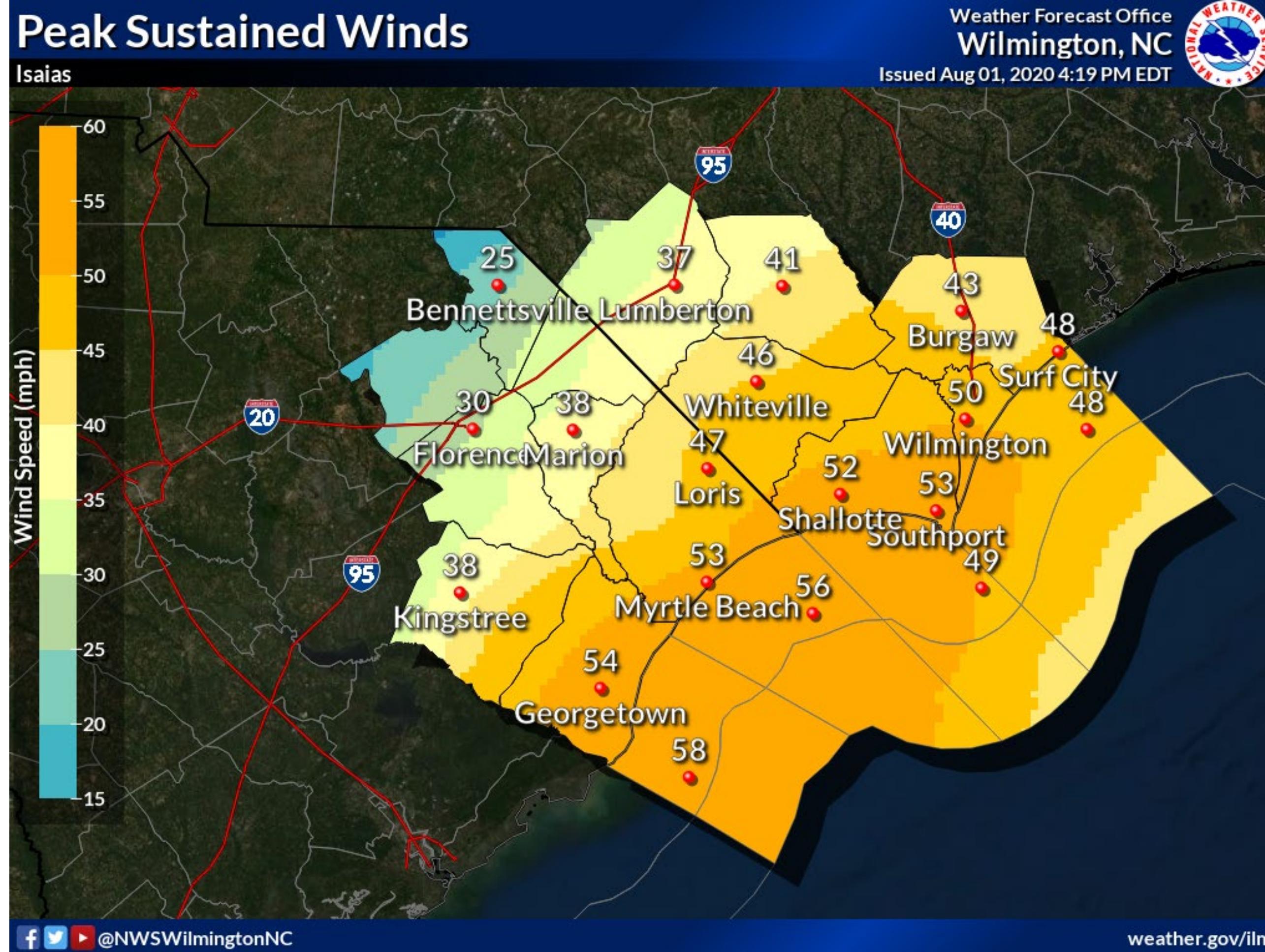
# Wind Information

## Tropical Storm Isaias



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**Note:** These winds are **highly dependent** on the storm's track and intensity. As a result, any change could result in significant differences to the peak sustained winds that occur.

- Potential sustained winds have decreased for northeast SC and southeast NC.
- The potential for the highest sustained winds remains focused along coastal areas
- Areas with the highest winds can expect downed trees/limbs, damage to fences, awnings, and unanchored mobile homes
- In addition, some power outages are possible in the areas that have the higher winds

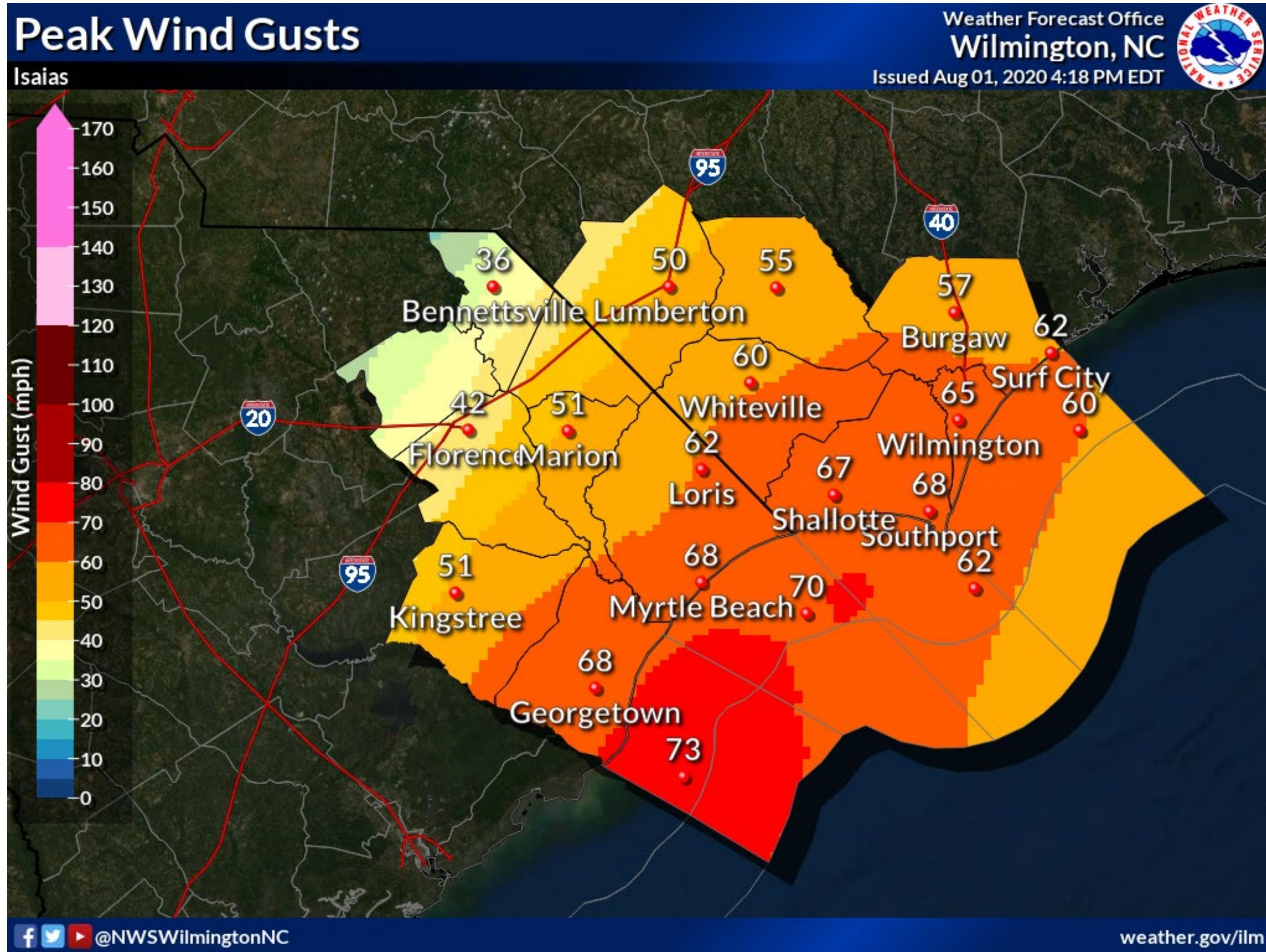
# Wind Information

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- Potential wind gusts are now expected to be slightly lower than earlier forecast along the northeast SC coast and inland areas.
- The coastal areas primarily have the greatest potential to see wind gusts to strong tropical force at this time
- Keep in mind that some uncertainty exists with the storm's intensity and track which would greatly influence winds across the area

**Note:** These winds are **highly dependent** on the storm's track and intensity. As a result, any change could result in significant differences to the peak wind gusts that occur.

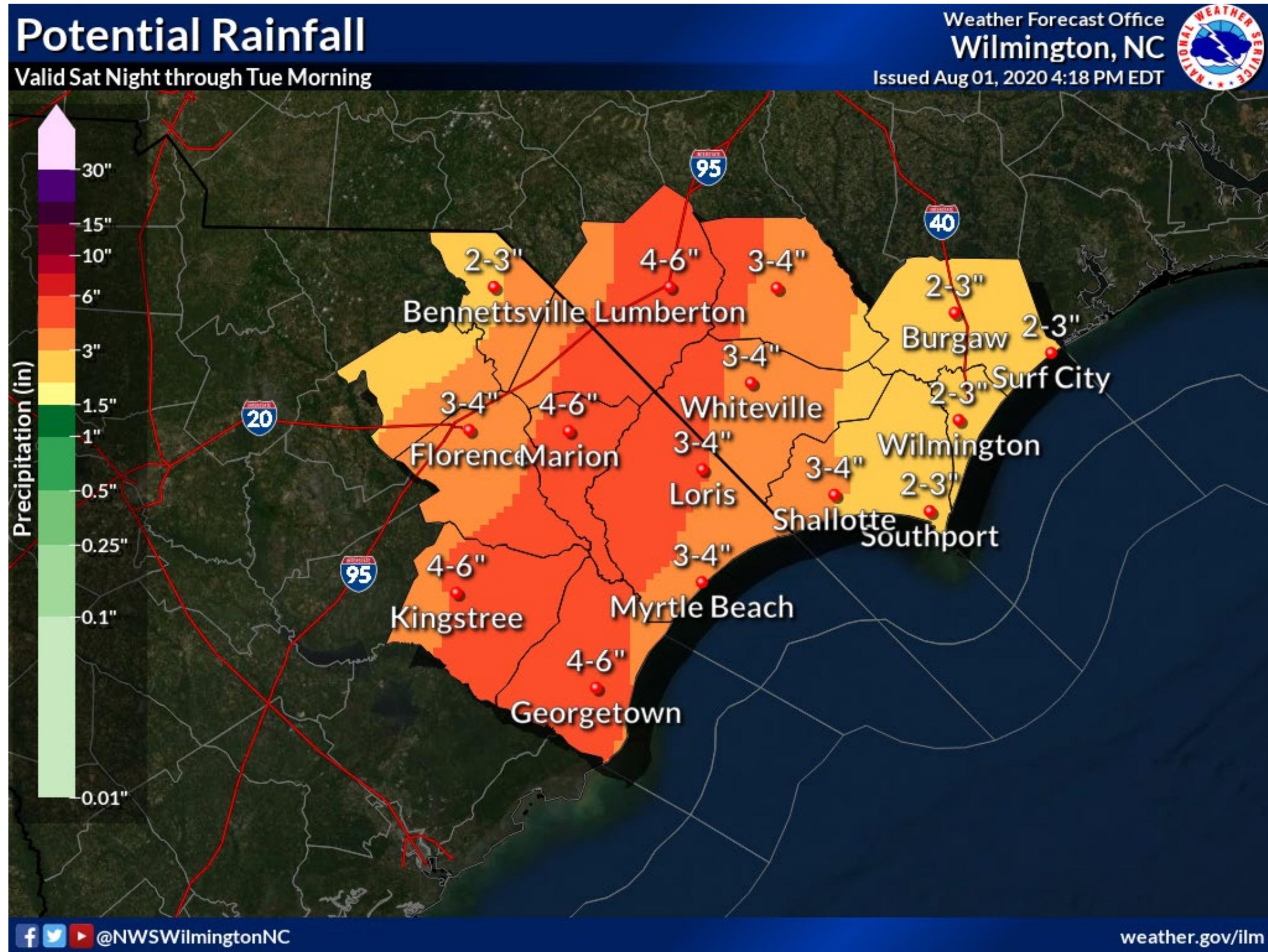
# Expected Storm Total Rainfall

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**Note:** Rainfall amounts are highly dependent on the storm's track. As a result, any change could result in significant differences to the amount, and where the highest totals occur.

- Large swath of 3-6" rainfall amounts are expected over much of the area with 2 to 3 " amounts in the western portions of Darlington & Marlboro counties and the coastal counties of southeast North Carolina. Isolated higher amounts are possible.
- Some flooding may occur, especially at poor drainage and low-lying areas prone to flooding
- The greatest potential for flooding would be Monday night into early Tuesday morning
- Any subtle change in the track can drastically change the rainfall forecast and potential flood impacts.

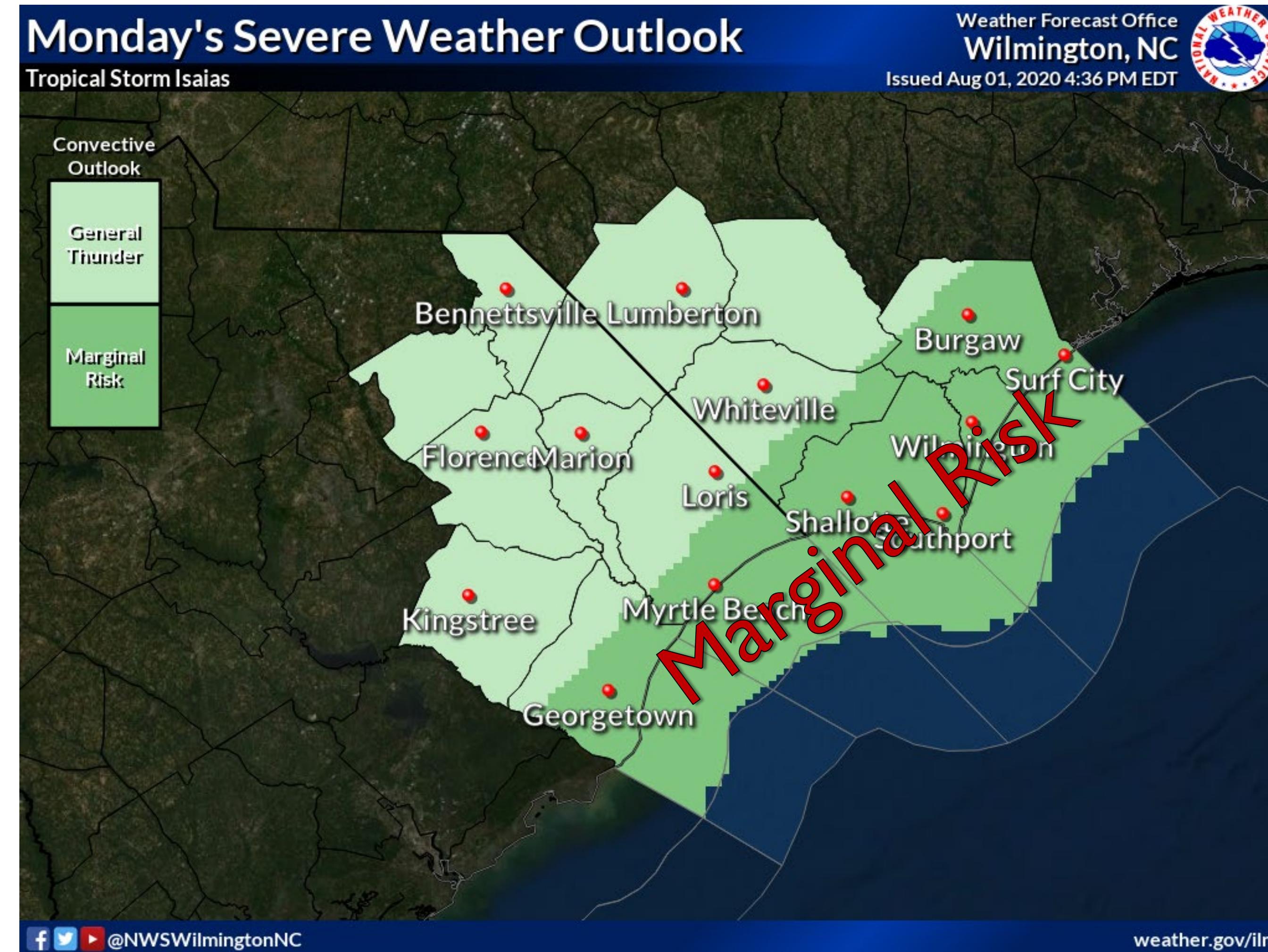
# Tornado Potential

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- There is a Marginal Risk for a few tornadoes primarily for coastal areas of the Carolinas, with the greatest threat for northeast SC and southeast NC Monday night based on the latest track.

# Marine/Coastal Hazards

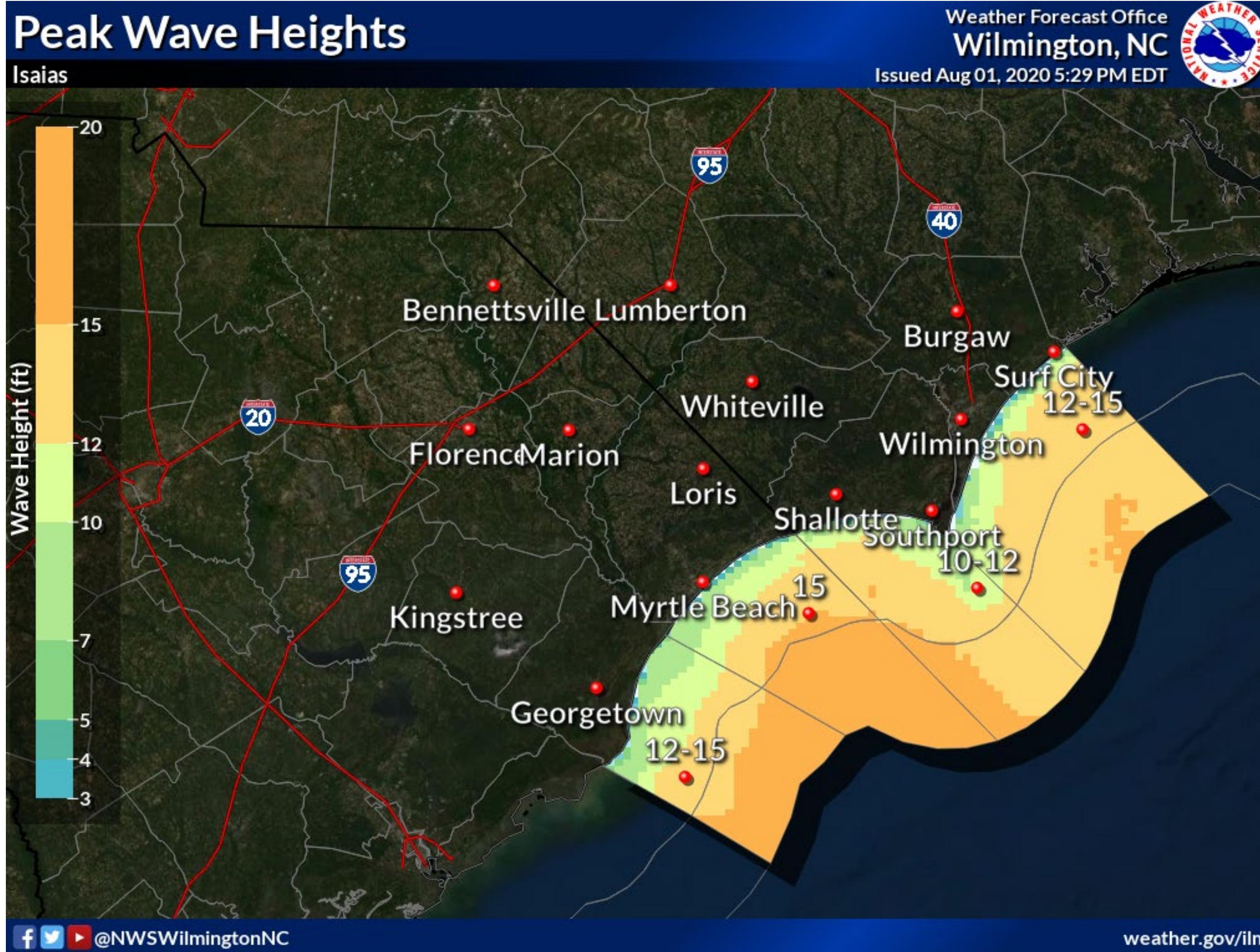
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## Peak Wave Heights



- Dangerous rip currents are expected tonight into next week as swells from Isaias increase
- Hazardous winds/seas are expected to develop for the adjacent coastal waters by Monday night
- Maritime conditions are expected to improve by Tuesday night into Wednesday

# Key Take-Aways

## Tropical Storm Isaias



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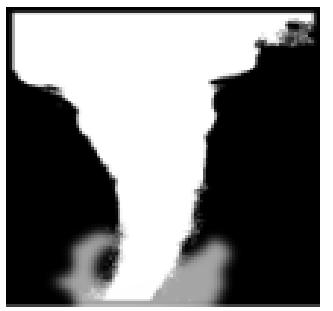
Tropical storm force winds are possible by Monday night for northeast SC and late Monday night into early Tuesday morning for southeast NC. Some wind impacts are possible as a result, especially coastal areas.



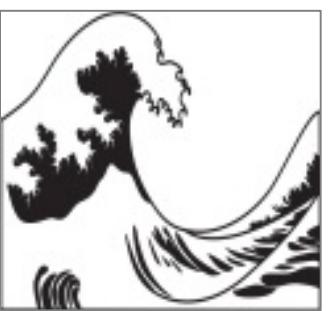
Some storm surge inundation and beach erosion are possible, especially with high tide Monday night.



Heavy rainfall is possible along with some flooding of poor drainage and flood prone areas. Currently, most areas are expected to receive 2-4" with some locally higher amounts of 4-6".



There is a marginal risk for a few tornadoes - especially along northeast SC and southeast coastal areas Monday night.



Hazardous maritime conditions will develop later this weekend and especially during Monday night across adjacent coastal waters. In addition, strong rip currents are possible today through Tuesday.



The potential for some minor river flooding will exist, but the outlook could change as the forecast rainfall is adjusted.



*The Next Briefing for northeast SC and southeast NC:  
7 AM Sunday August 2, 2020  
Method: Email*



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