



# Hurricane Isaias

(pronounced “ees-ah-EE-ahs”)

## Briefing for northeast South Carolina and southeast North Carolina

### **What has changed:**

- ✓ Slower arrival of impacts
- ✓ Include potential peak wave heights, sustained wind, and wind gust graphics

**7:00 AM EDT**

**Saturday August 1, 2020**

*Prepared by: WFO Wilmington, NC*

**Next Briefing: Saturday August 1, Noon EDT**

*Disclaimer: The information contained within is time-sensitive. Do not use after Noon Saturday Aug 1, 2020*

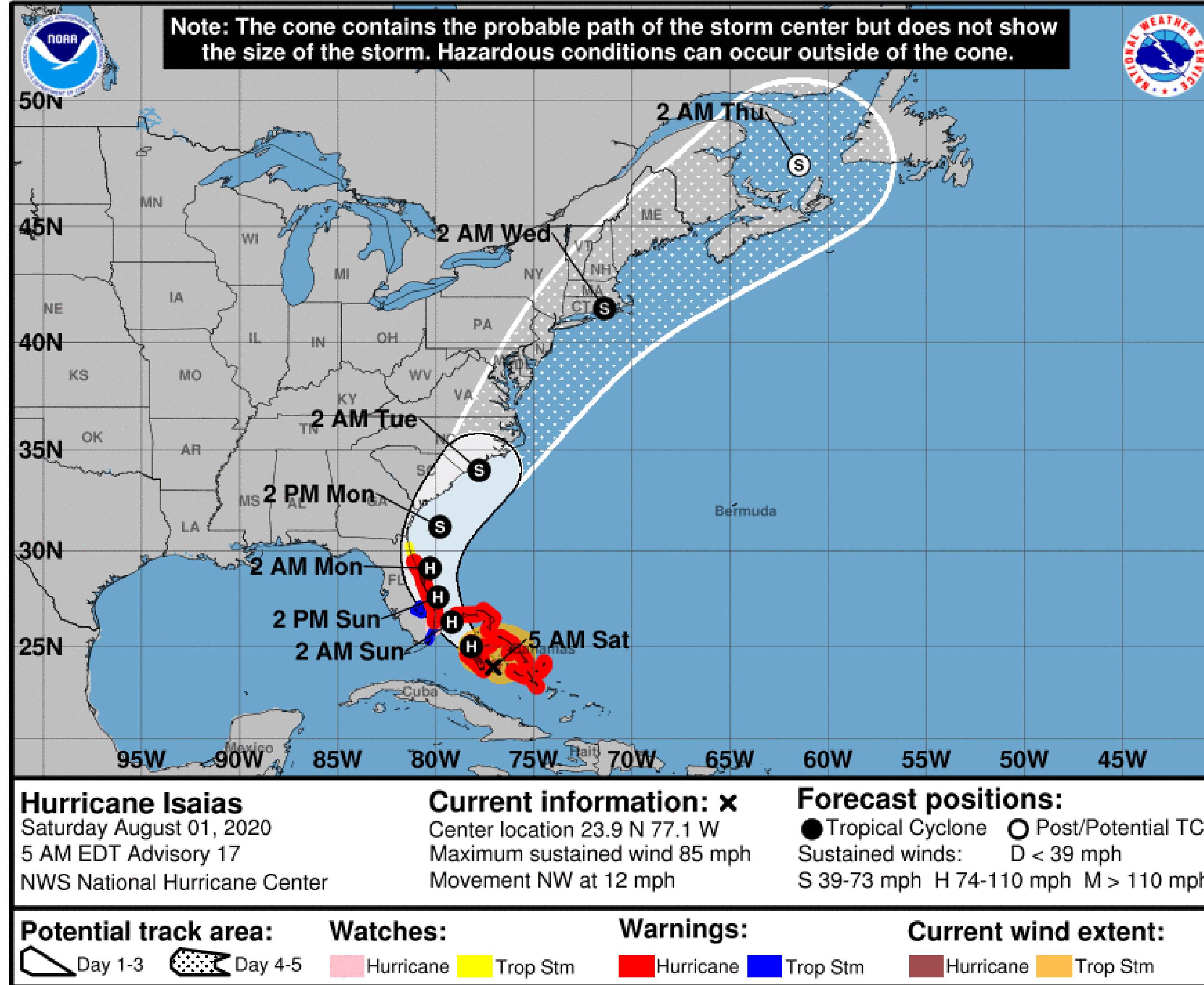
# Situation Overview

## Hurricane Isaias



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

- Track forecast 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
- Impacts are likely for the Carolinas given this forecast track. Most likely arrival of tropical storm force winds is Monday evening for northeast SC and Monday night for southeast NC.
- The threat of rip currents remains high for area beaches as forerunner swells affect the coast.
- A more west track would lead to more rainfall and tornado impacts while a track farther east would result in with less impacts.
- Given the current track, conditions should begin to improve for the area during Tuesday as the storm exits toward the Mid-Atlantic coast.

# Situation Overview

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Hazard	Impacts	Location	Timing
Wind 	Potential for wind impacts is increasing. Downed trees/limbs and some power outages a possibility.	Especially coastal areas of Northeast SC and southeast NC	Monday night into early 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

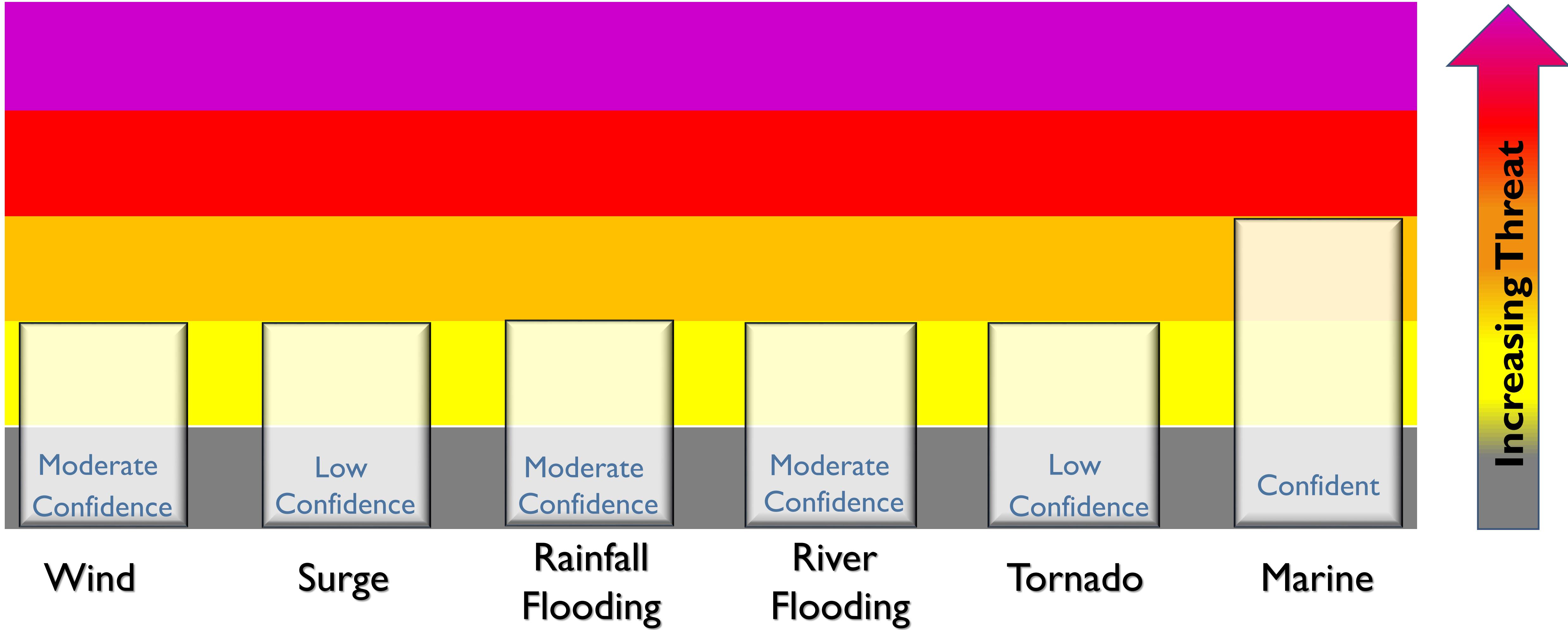
# Threat Levels

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# Tropical Storm Wind Speed Probabilities

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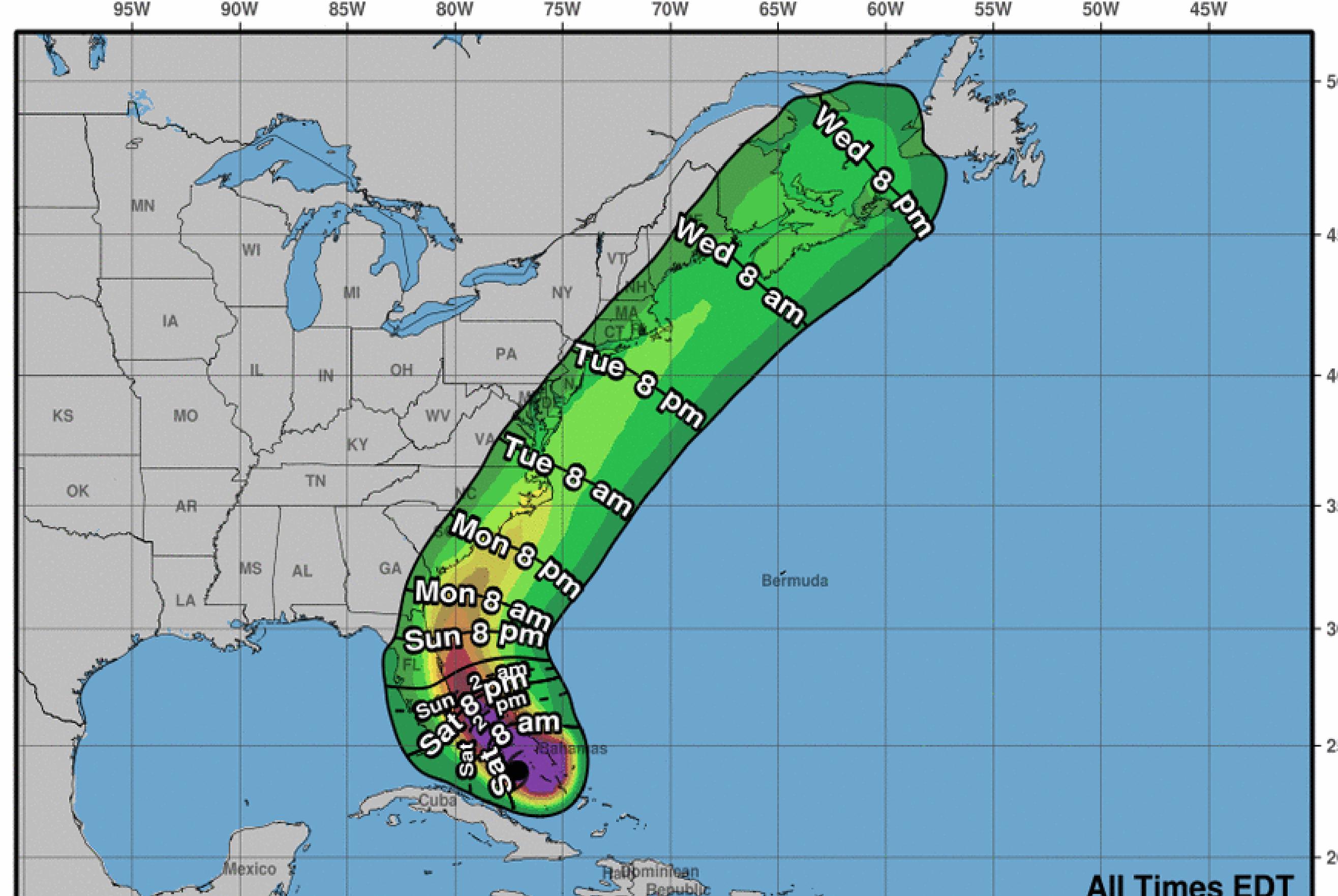


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## Most Likely Arrival Time of Tropical-Storm-Force Winds



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Sat. Aug. 1, 2020 5 am EDT  
Advisory 17

Storm Location &  
Wind Speed

$< 34 \text{ kt (39 mph)}$	$34-63 \text{ kt (39-73 mph)}$	$\geq 64 \text{ kt (74 mph)}$
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5-day chance of receiving sustained 34+ kt (39+ mph) winds

5	10	20	30	40	50	60	70	80	90	100
%										

- 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 late afternoon Monday or Monday evening for northeast SC and Monday night for southeast NC.

# Tropical Storm Wind Speed Probabilities

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- 50 knot wind speed probabilities also extend into the coastal areas of the Carolinas, while the hurricane-force wind speed probabilities are primarily focused farther south

# Wind Information

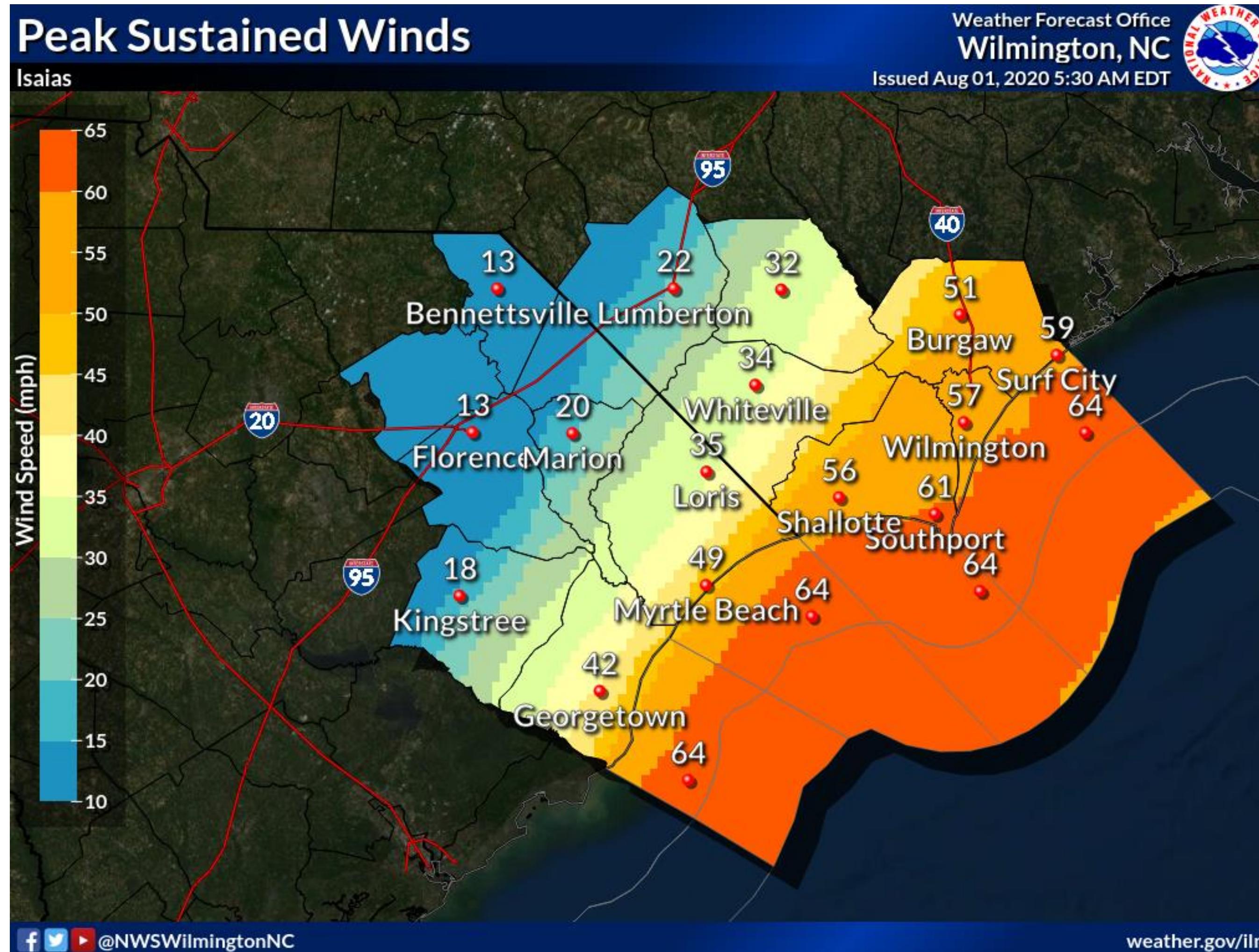
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## Peak Sustained Winds



**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.

- The potential for the highest sustained winds is along coastal areas, especially the Cape Fear coastal locations
- Areas with the highest winds can expect some downed trees and 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

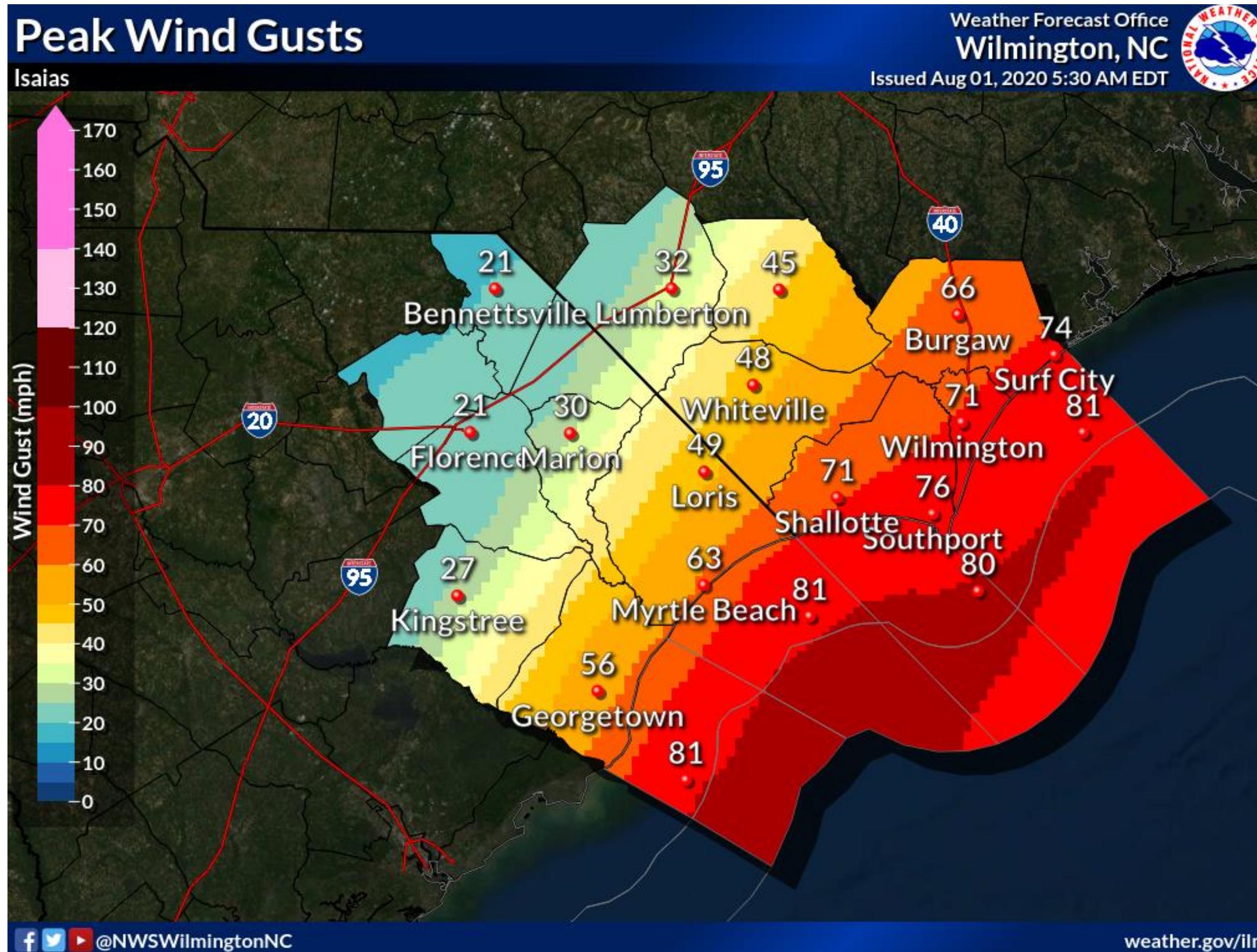
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## Peak Wind Gusts



- Some coastal areas are expected to have the potential for wind gusts in excess of 60 mph
- Based on the latest forecast wind gusts to hurricane force are possible along the Cape Fear coast.

**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.

# Expected Storm Total Rainfall

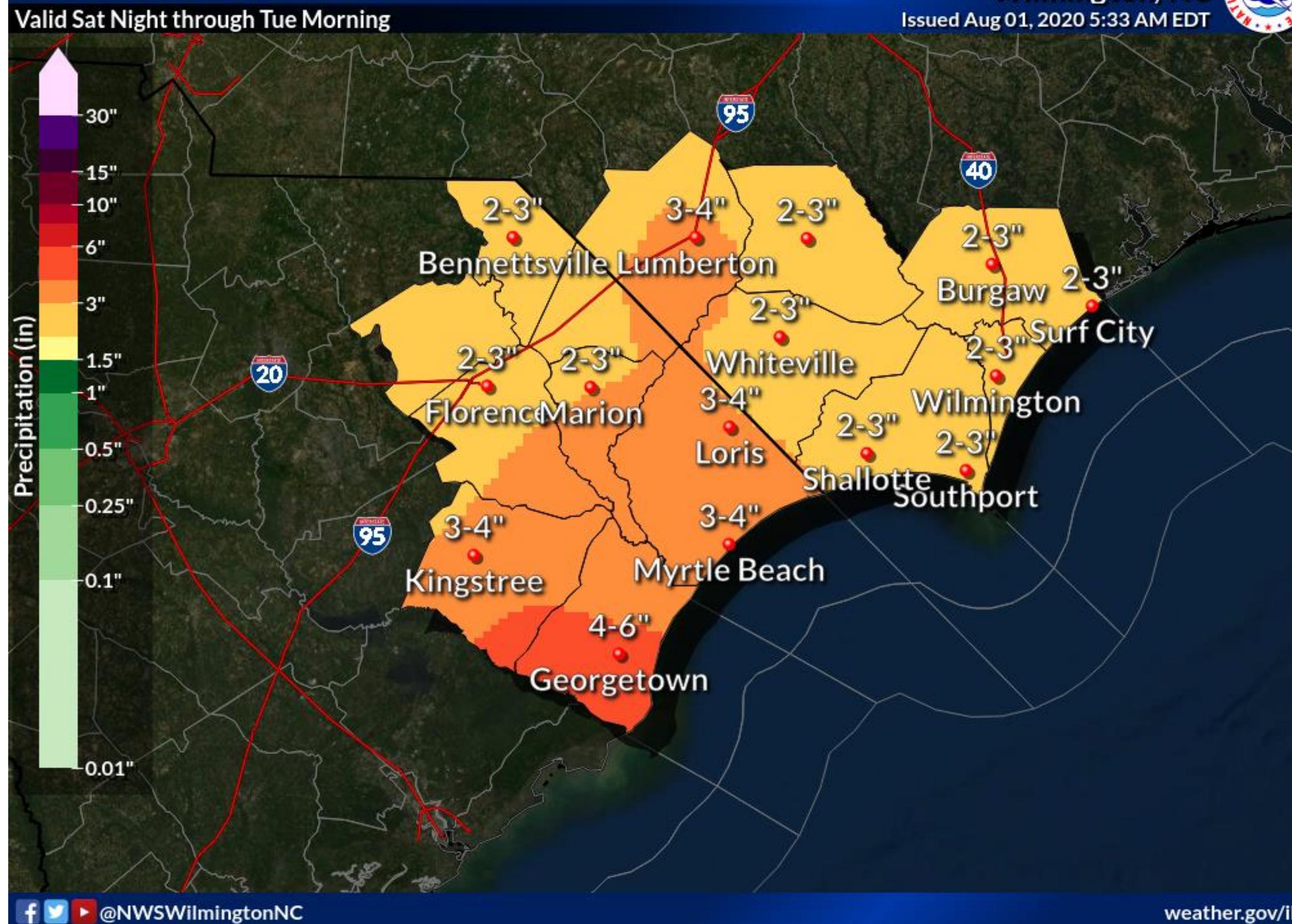
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## Potential Rainfall



**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 2-4" rainfall amounts are expected with areas farther south up to 4-6". 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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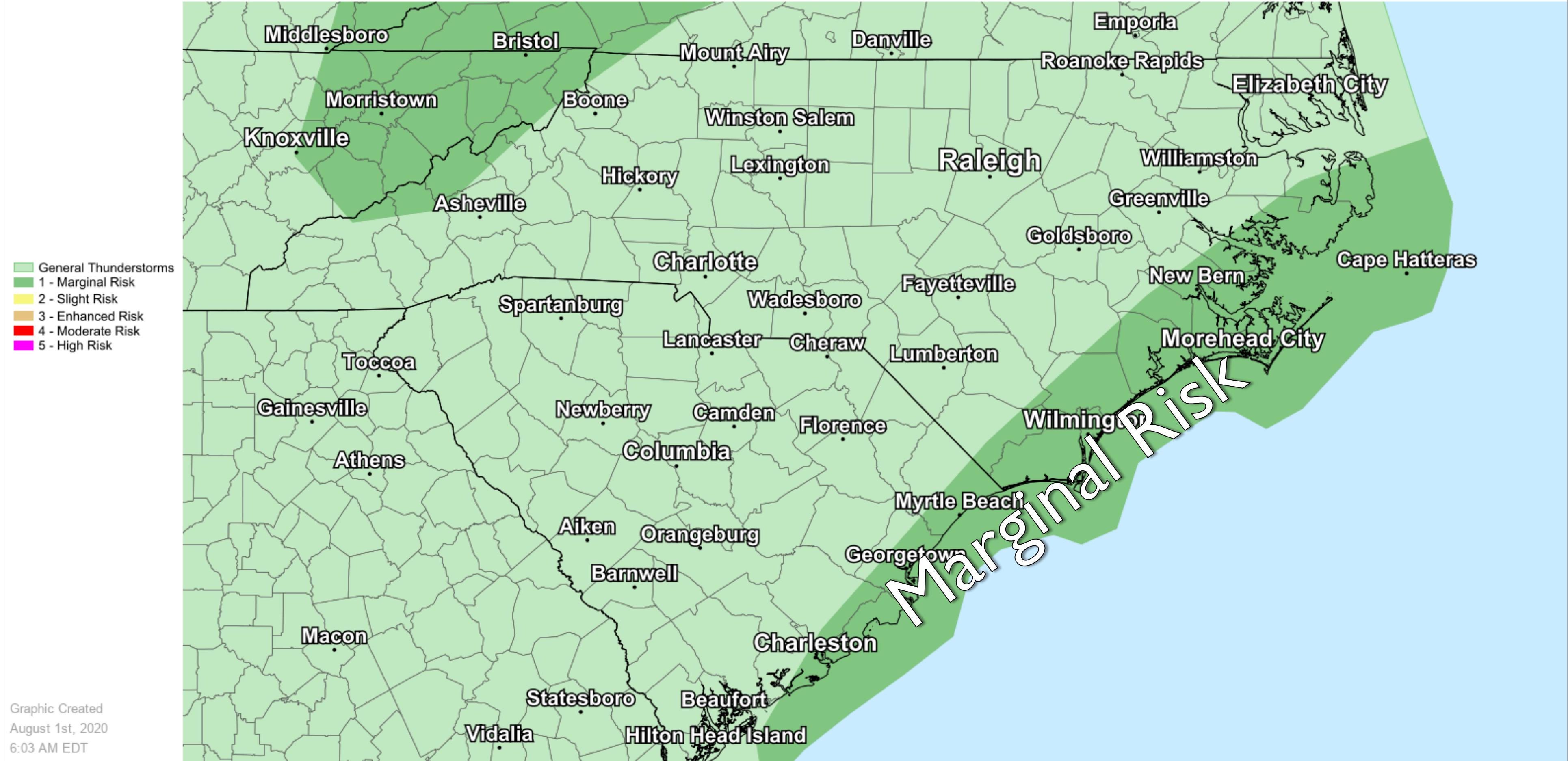


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Monday's Severe Weather Outlook



- 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

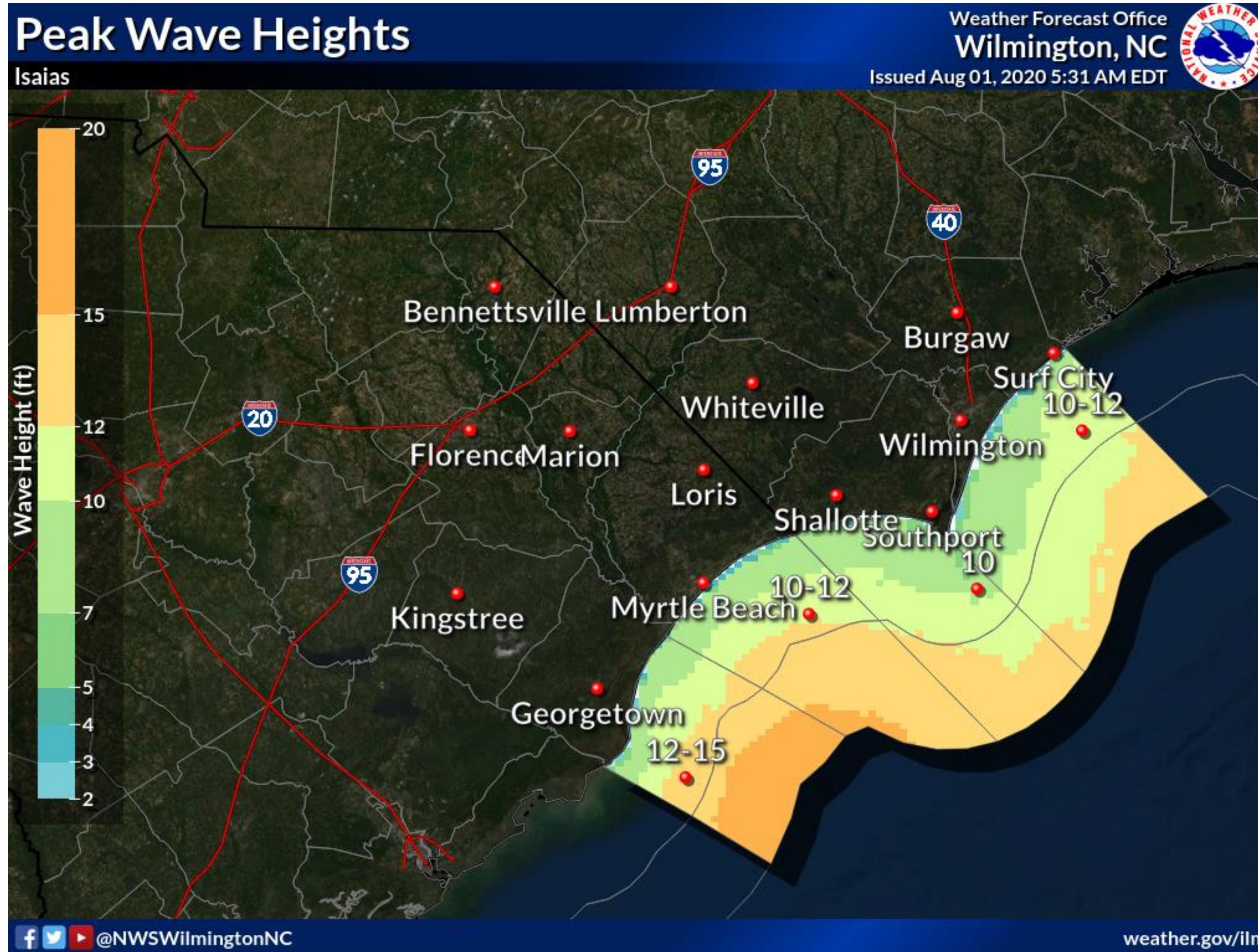
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## Peak Wave Heights



- Dangerous rip currents are expected today and 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

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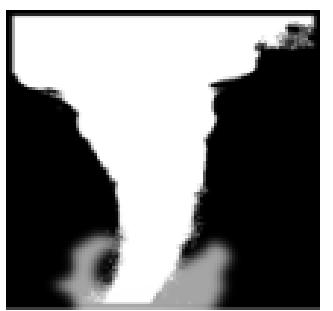
Tropical storm force winds are possible by Monday night for northeast SC and late Monday night into early Tuesday morning for southeast NC. Some wind impacts are possible as a result, especially along the coastal areas.



Some storm surge inundation and beach erosion is also 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 river flooding is low at this time, but may change on eventual storm total rainfall amounts and location of the heaviest rainfall.



*The Next Briefing for northeast SC and southeast NC:  
1130 AM Saturday August 1, 2020  
Method: Email*



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