



Tropical Storm Isaias

(pronounced “ees-ah-EE-ahs”)

Briefing for northeast South Carolina and southeast North Carolina

What has changed:

- ✓ Storm Surge Warning – Cape Fear South to South Santee River
- ✓ Storm Surge Watch – Surf City to Cape Fear
- ✓ Hurricane Watch for Pender, New Hanover, Brunswick, Horry, and Georgetown counties.
- ✓ Tropical Storm Warnings continues for all areas except Darlington and Marlboro counties.
- ✓ Incorporated 5 PM EDT NHC Advisory information

6:00 PM EDT

Sunday August 2, 2020

Prepared by: WFO Wilmington, NC

Next Briefing: 7:30 AM EDT Monday August 3 2020

Disclaimer: The information contained within is time-sensitive. Do not use after 12:00 AM EDT Monday Aug 2, 2020

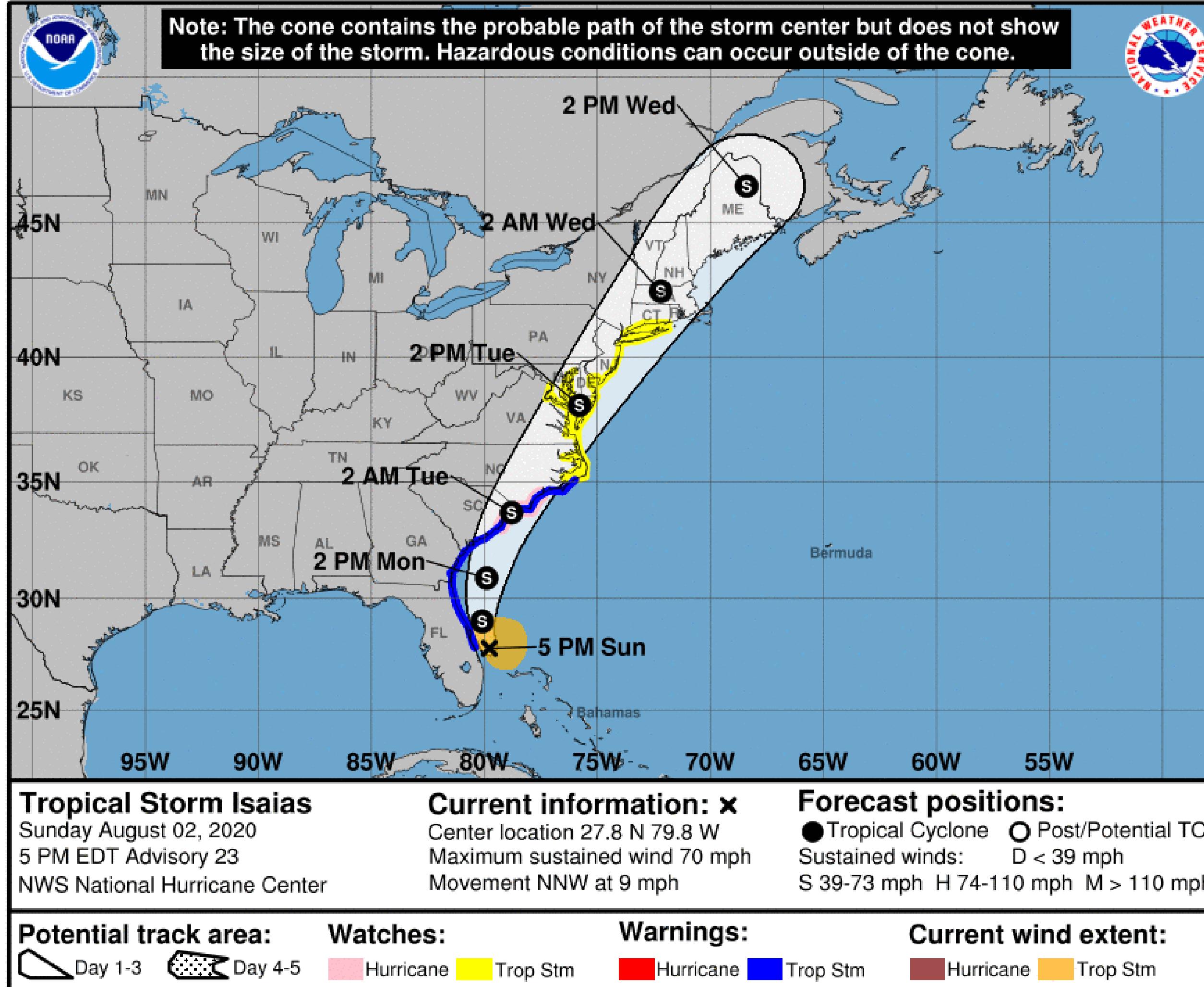
Situation Overview

Tropical Storm Isaias



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- The forecast track remains very close to the southeast U.S. coast and the storm will lift quickly away to the Mid-Atlantic coast during Tuesday and into New England Tuesday night into Wednesday morning
- The current track will bring the greatest impacts to the area for northeast SC and southeast NC Monday night into early Tuesday morning.
- A slight increase in forecast winds of 70 mph could bring Hurricane Winds along the coast, thus a Hurricane Watch was raised for the coastal counties.
- Conditions should begin to improve for the area during Tuesday as the storm quickly exits

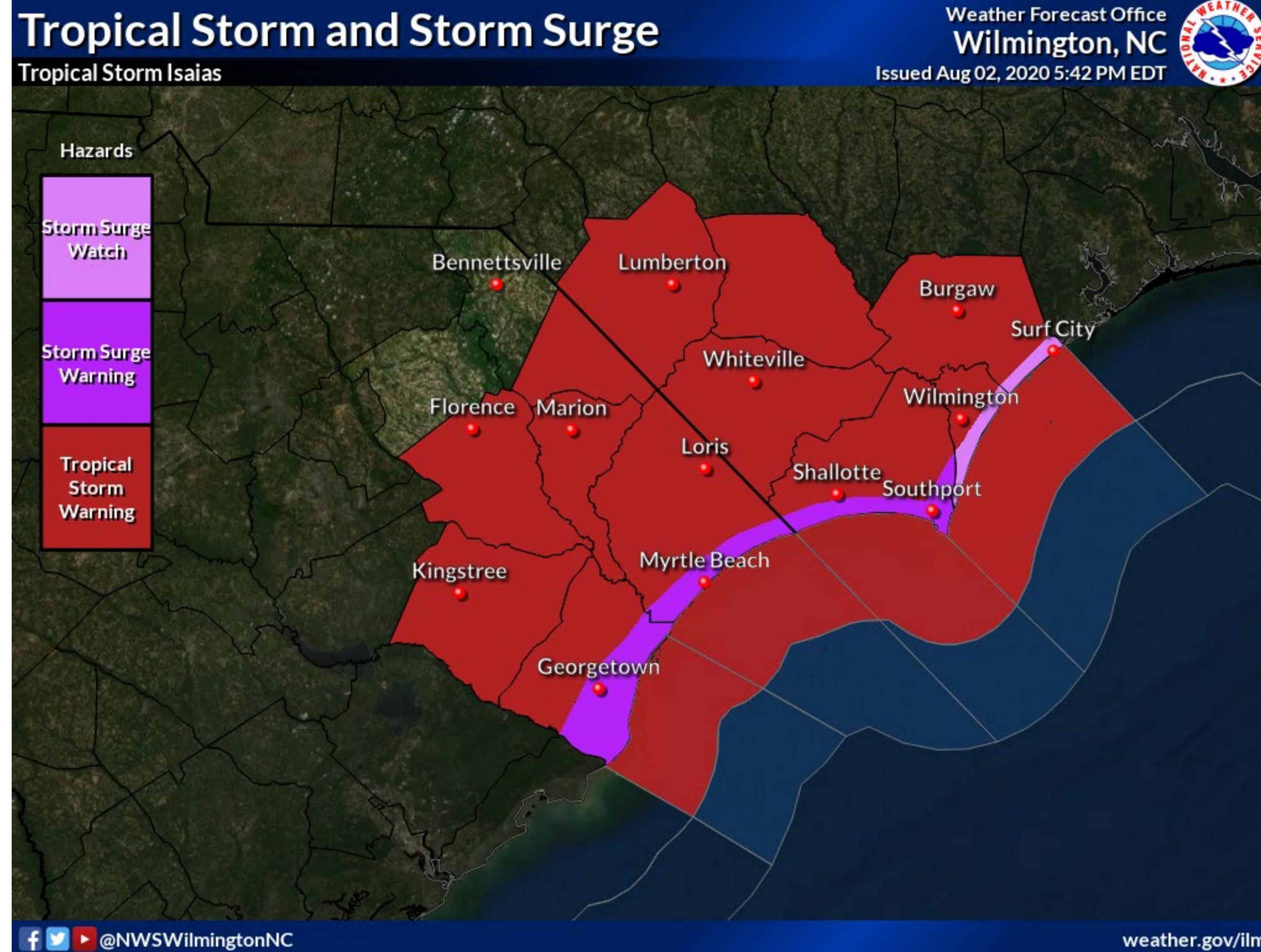
Watches & Warnings

Tropical Storm Isaias



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- A Tropical Storm Warning is in effect for all areas except Marlboro and Darlington counties
- A Storm Surge Warning is in effect for Brunswick, Horry, and Georgetown counties.
- A Storm Surge Watch is in effect for Pender and New Hanover counties.

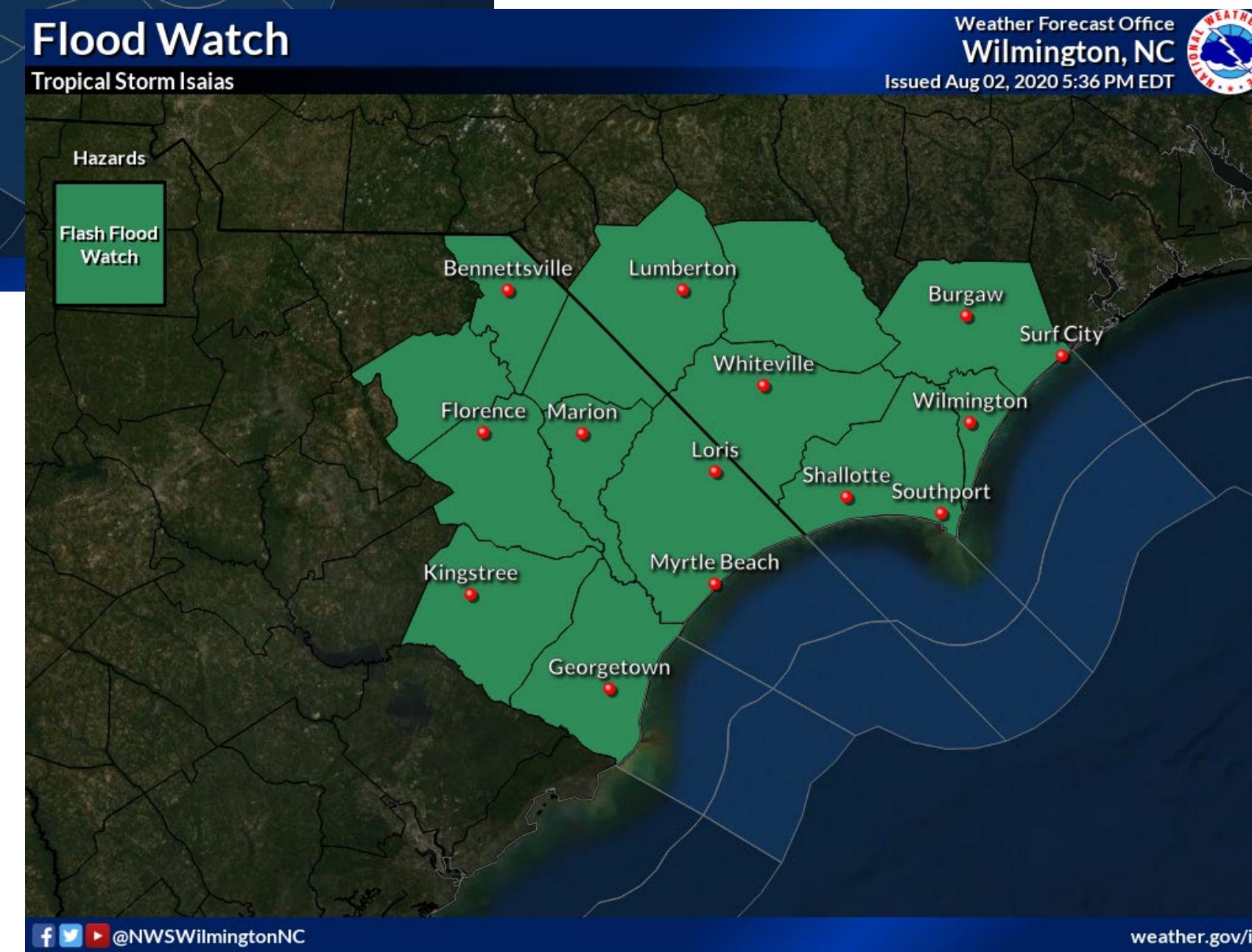
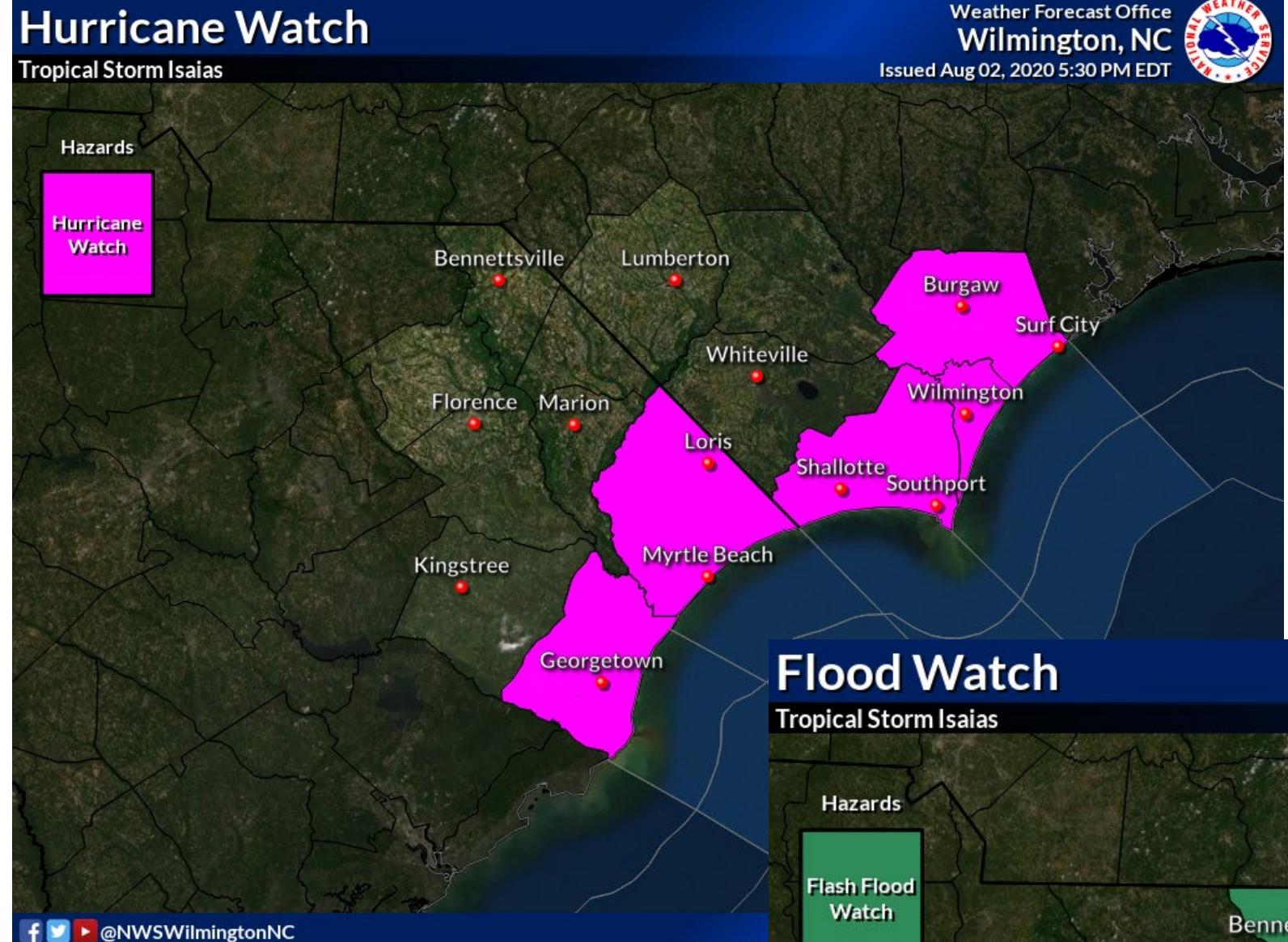
Watches & Warnings (continued)

Tropical Storm Isaias



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- As the winds of the Tropical Storm are less than 5 mph less than Hurricane criteria a Hurricane Watch was issued for the coastal counties.
- A Flash Flood Watch is in effect for all counties

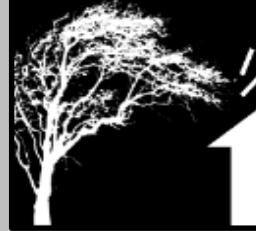
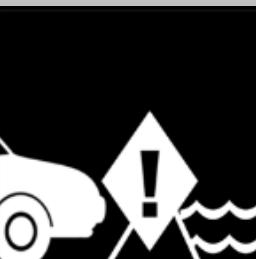
Situation Overview

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Hazard	Impacts	Location	Timing
Wind 	Potential wind impacts including minor structural damage, downed trees/limbs and scattered power outages	Most areas, but especially northeast SC coastal areas	Monday evening into Tuesday morning
Storm Surge/Inundation 	Potential storm surge impacts including some flooding of coastal roads and beach access, some damage to vulnerable coastal structures, damage to beach ramps and stairways, beach erosion	Especially northeast SC coastal areas	Especially around high tide Monday night
Flooding Rain 	Potential for moderate flooding impacts, especially near poor drainage and low-lying flood prone locations	Northeast SC and southeast NC	Monday afternoon into Tuesday morning
Tornado 	Some tornadoes possible with damage to trees, structures, and power lines	Most areas but especially coastal areas of Northeast SC and southeast NC	Monday afternoon into Tuesday morning
Marine 	Hazardous marine conditions and dangerous 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

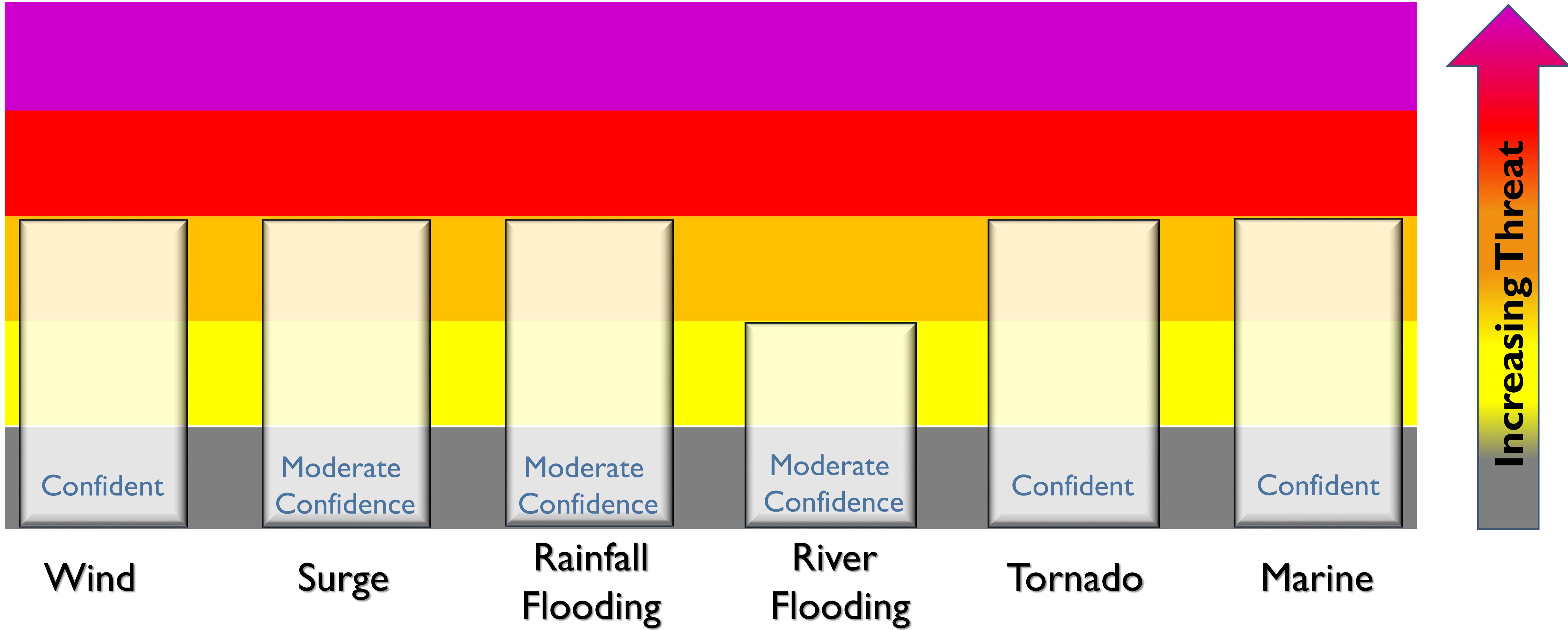
Threat Levels

Tropical Storm Isaias



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

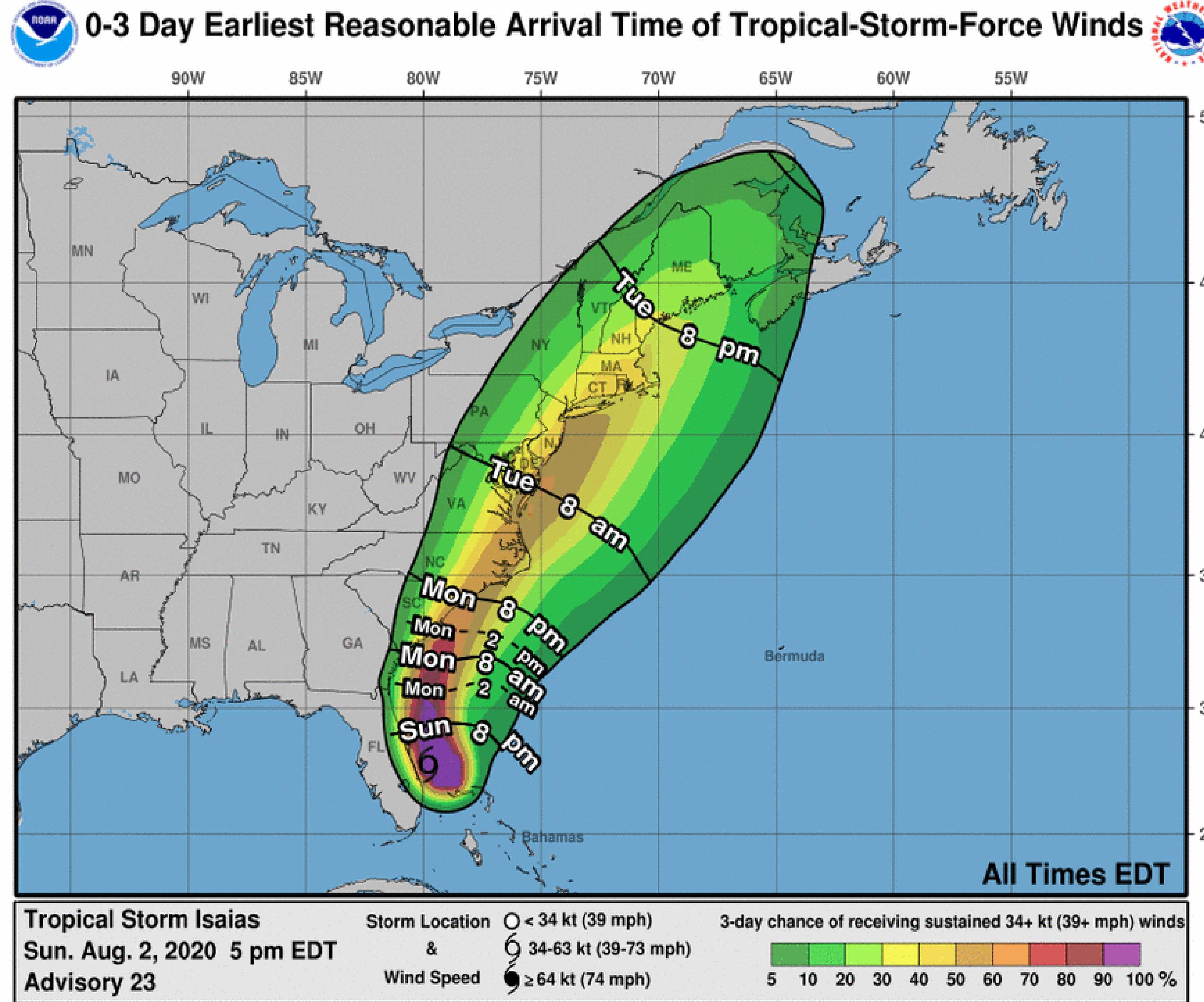
TS Wind Speed Probabilities & Arrival Times

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- The probabilities for tropical storm force winds indicate a high likelihood of tropical storm force winds, especially for southeast NC and coastal areas of northeast SC
- The most likely arrival of tropical storm force winds is Monday night for northeast SC and southeast NC.

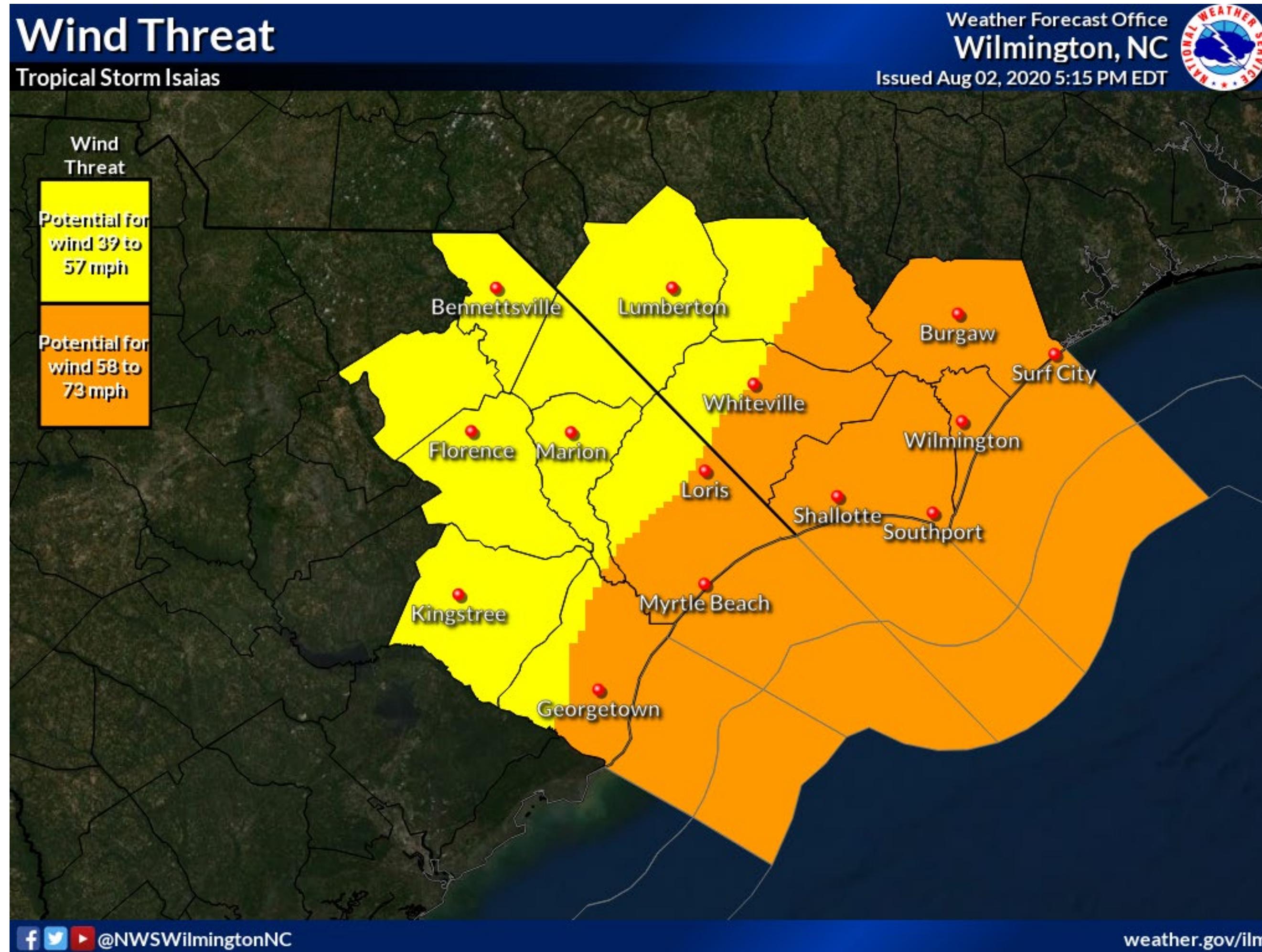
Wind Threat / Potential Impact

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There is a potential for moderate winds impacts across a large area of northeast SC and southeast NC

- Potential impacts include some damage to roofing and siding, along with damage to porches, awnings, carports, and sheds
- Large limbs and some trees down with scattered power outages
- Some small craft may break loose if they are not properly moored

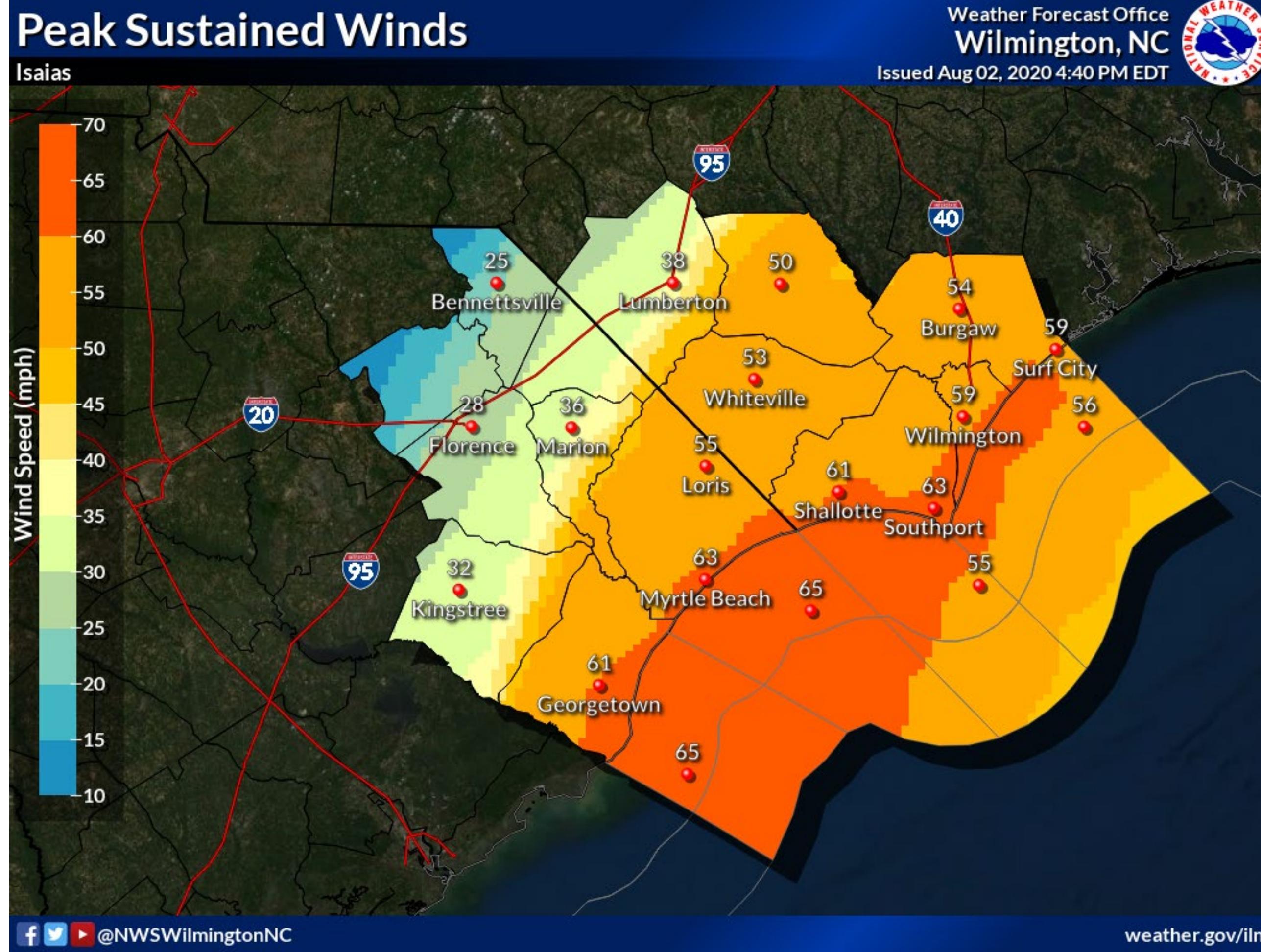
Wind Information

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- Potential sustained winds have increased some
- The potential for the highest sustained winds is along the coastal areas of northeast SC
- 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

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.

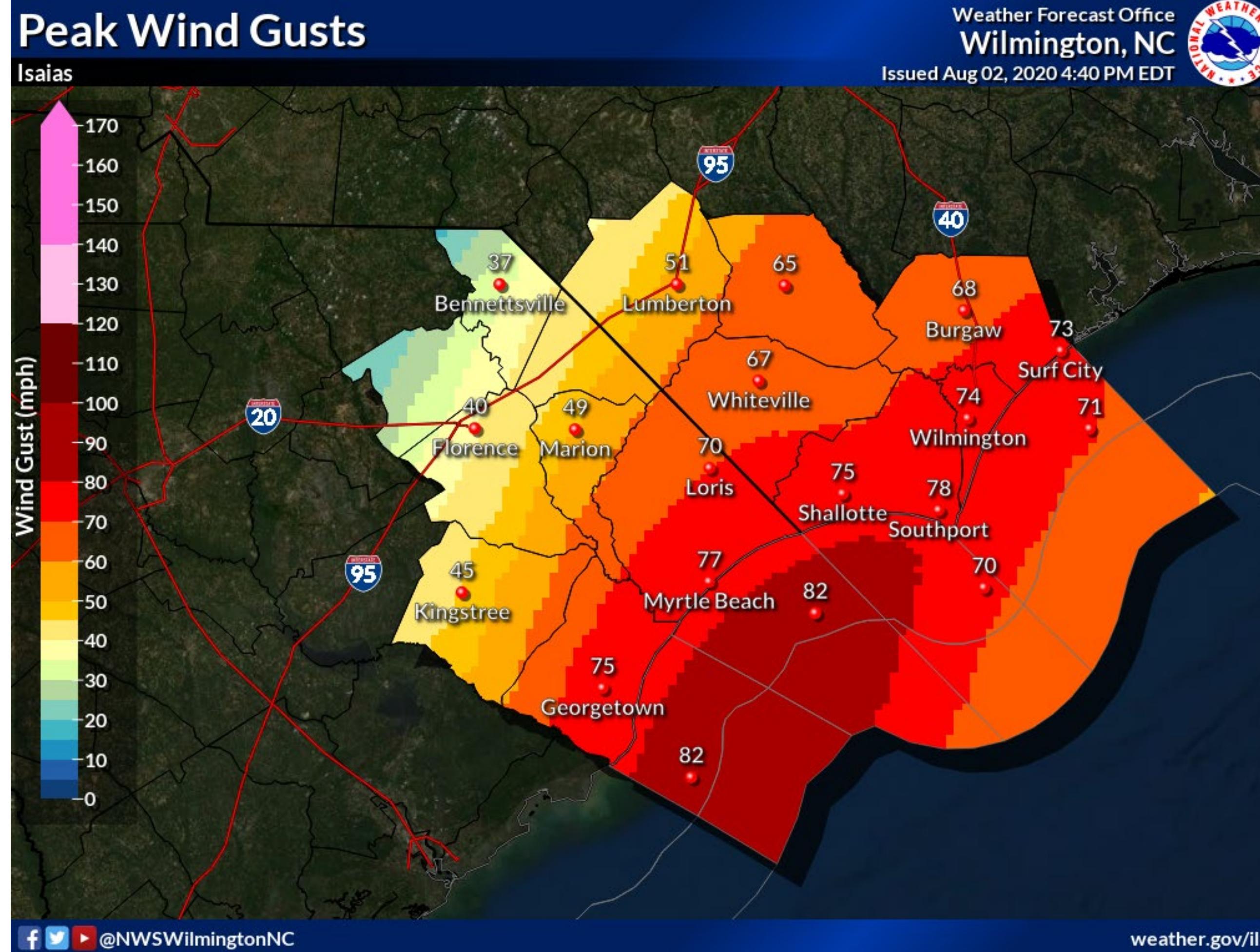
Wind Information

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- Potential wind gusts have been increased.
- The coastal areas have the greatest potential to see strong tropical storm force wind gusts.
- Keep in mind that some uncertainty exists with the storm's intensity and track which would greatly influence sustained winds and gusts 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.

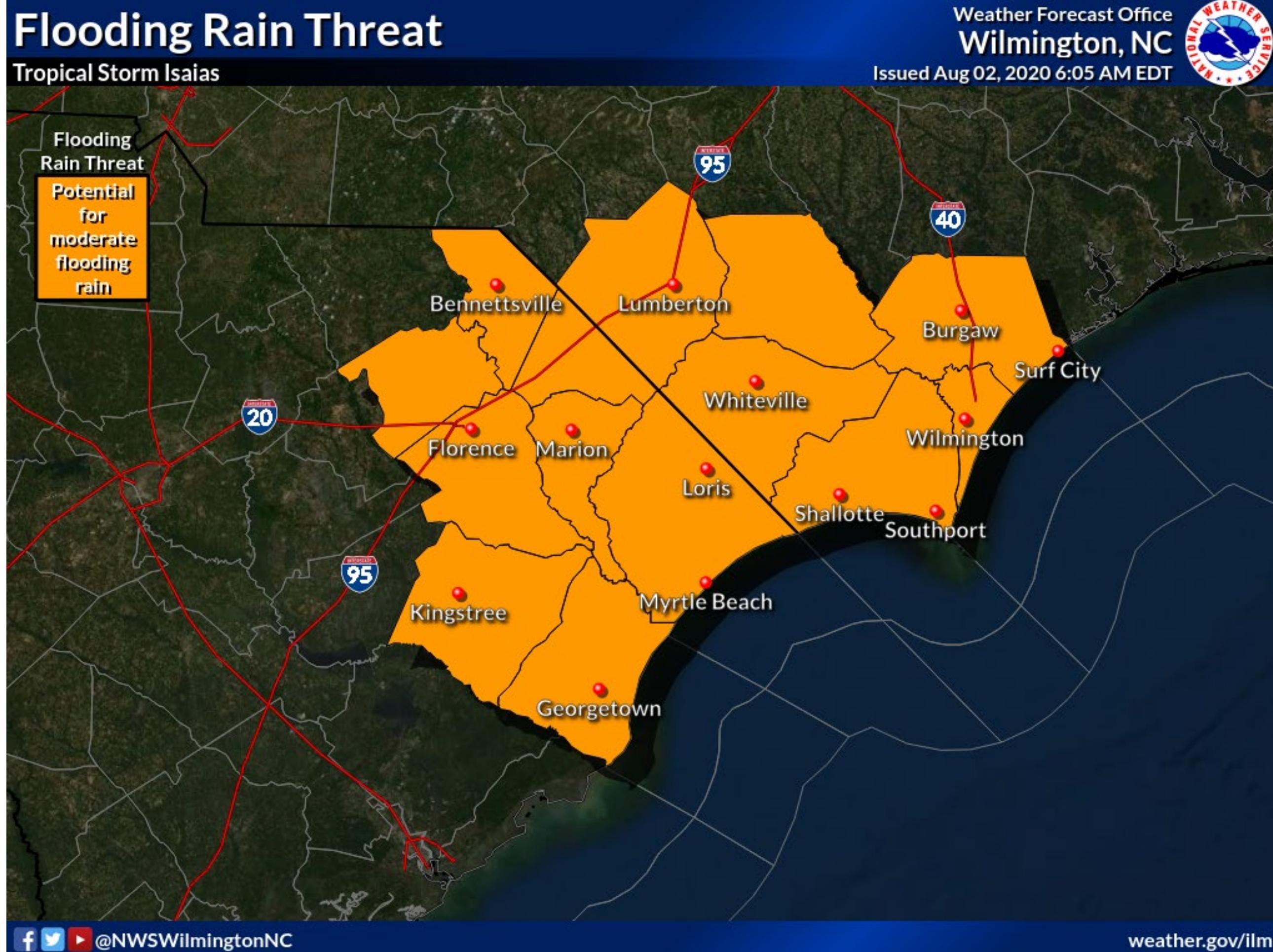
Inland Flooding Impacts

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There is a moderate threat for flooding

- Potential impacts include some low-lying areas along roads flooded, flooding near poor drainage and prone locations
- Driving conditions will become hazardous with the some road closures possible

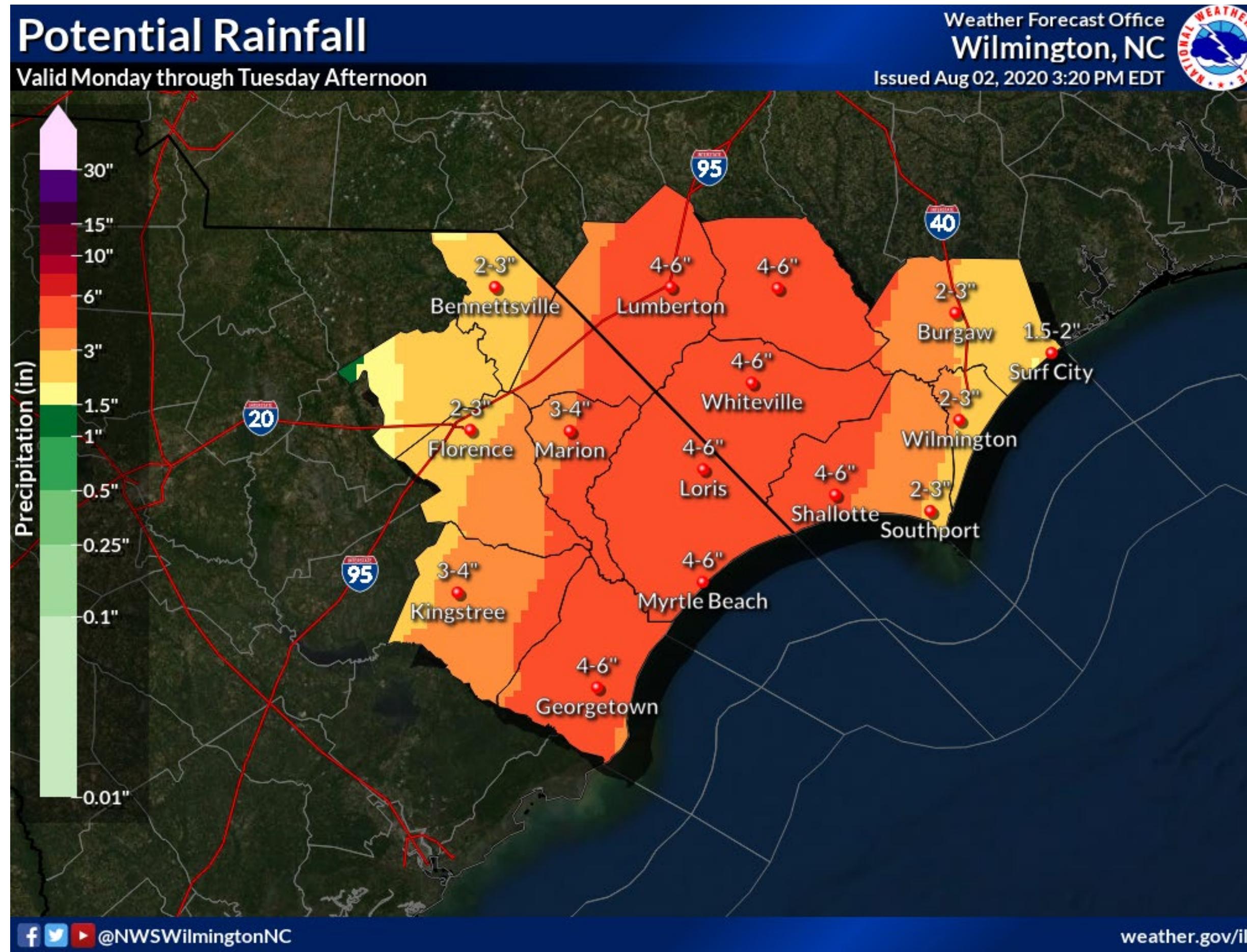
Expected Storm Total Rainfall

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- Large swath of 4-6" of rain is expected over much of the area with isolated higher amounts possible
- A Flash Flood Watch is in effect
- As a result, some flooding may occur, especially at poor drainage and other flood prone low-lying areas
- The greatest potential for flooding would be Monday night into early Tuesday morning
- Any subtle change in the track can shift the location of the axis of heaviest 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.

Potential Tornado Impacts

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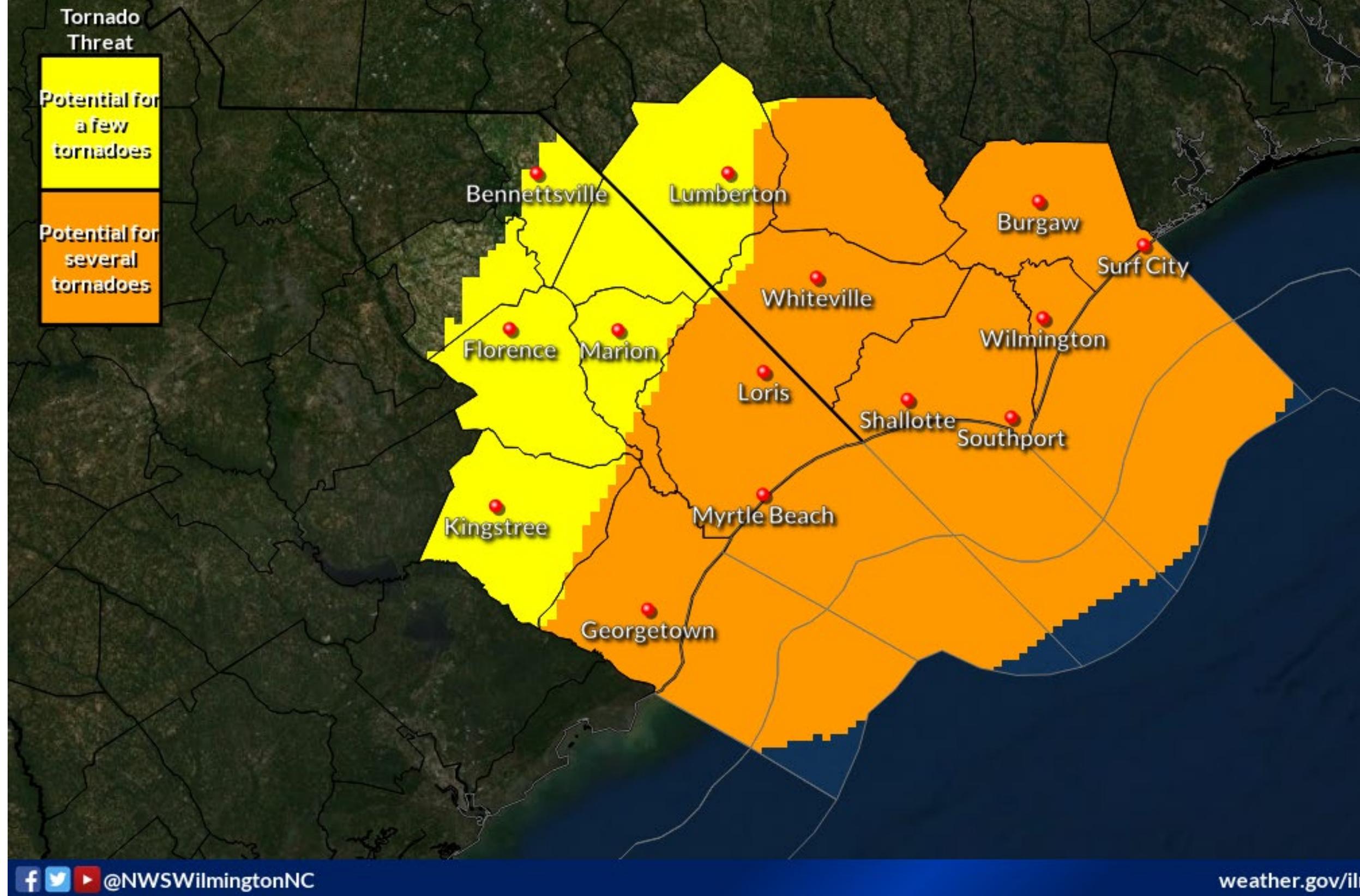
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Tornado Threat

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Weather Forecast Office
Wilmington, NC

Issued Aug 02, 2020 3:54 PM EDT



- There is a potential for a several tornadoes, especially east of a Lumberton to Marion and Kingstree line
- Tornadoes can significantly damage homes, destroy mobile homes, and uproot/snap trees

Tornado Potential

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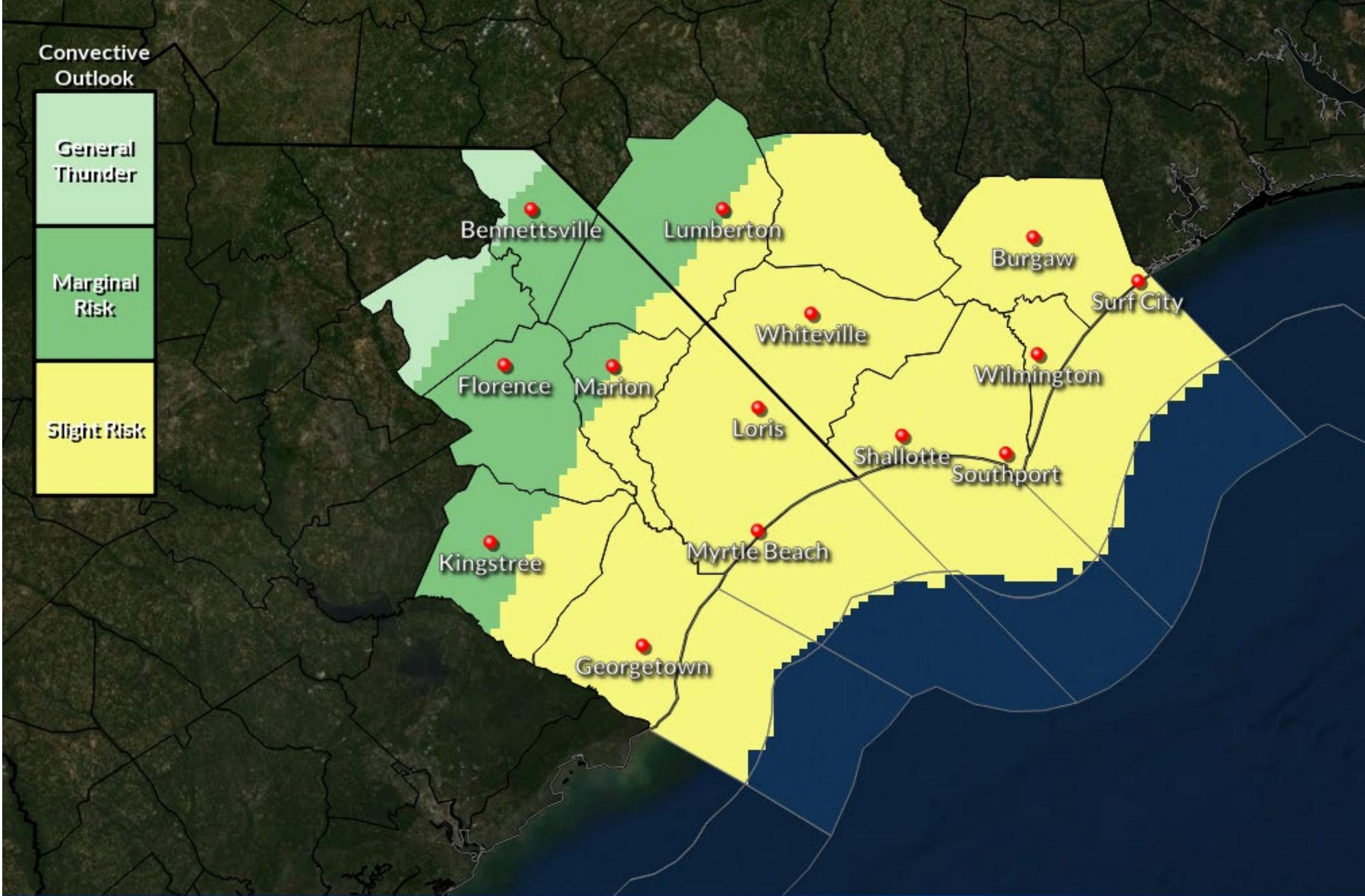


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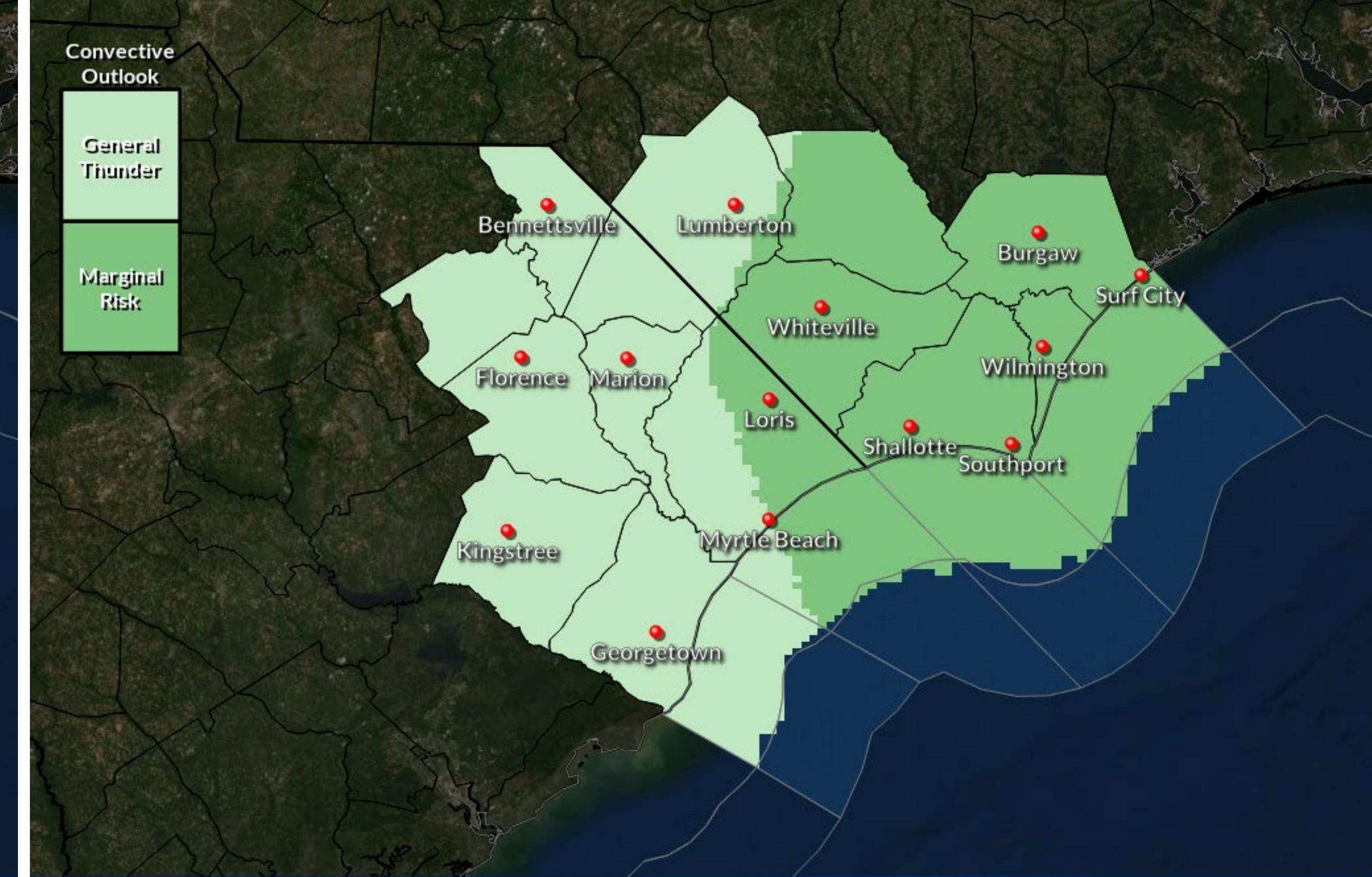
Tornado Potential

8 AM Monday through 8 AM Tuesday



Tornado Potential

8 AM Tuesday through 8 AM Monday



- There is a risk for tornadoes primarily for Monday afternoon/night (left image) primarily east of a Lumberton to Kingstree line and the risk area changes Tuesday morning (right image) into extreme northeast portions of SC and most of southeast NC coastal areas of the Carolinas

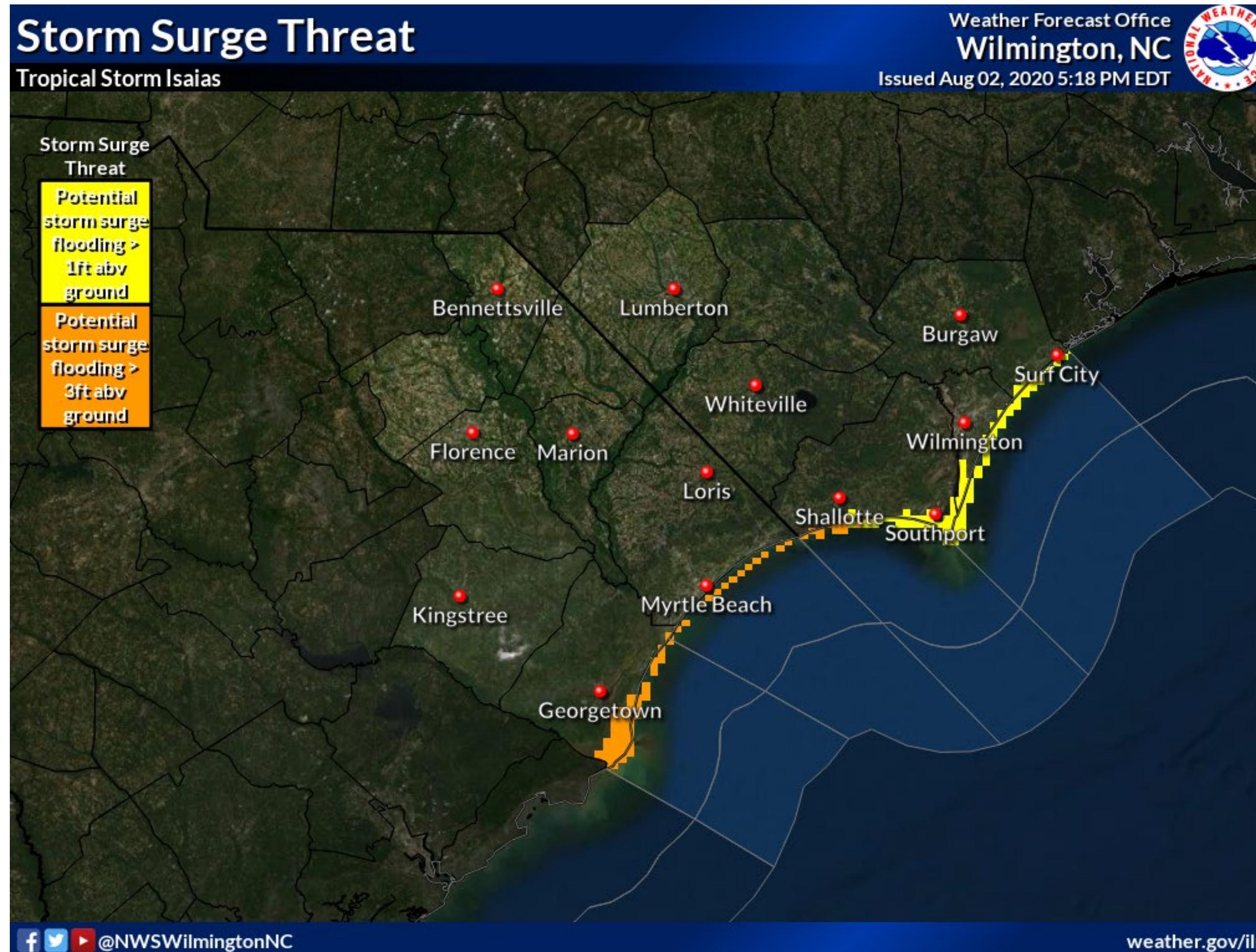
Potential Storm Surge Impacts

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There is an elevated to moderate storm surge threat along the coast from Surf City south to the South Santee River.

- Areas of storm surge inundation enhanced by breaking waves are possible along barrier islands in the moderate threat area
- Potential impacts include: flooding of some coastal roads and beach access points, beach erosion, some damage to vulnerable structures especially in areas with weakened dunes, damage to beach ramps and stairways

Storm Surge

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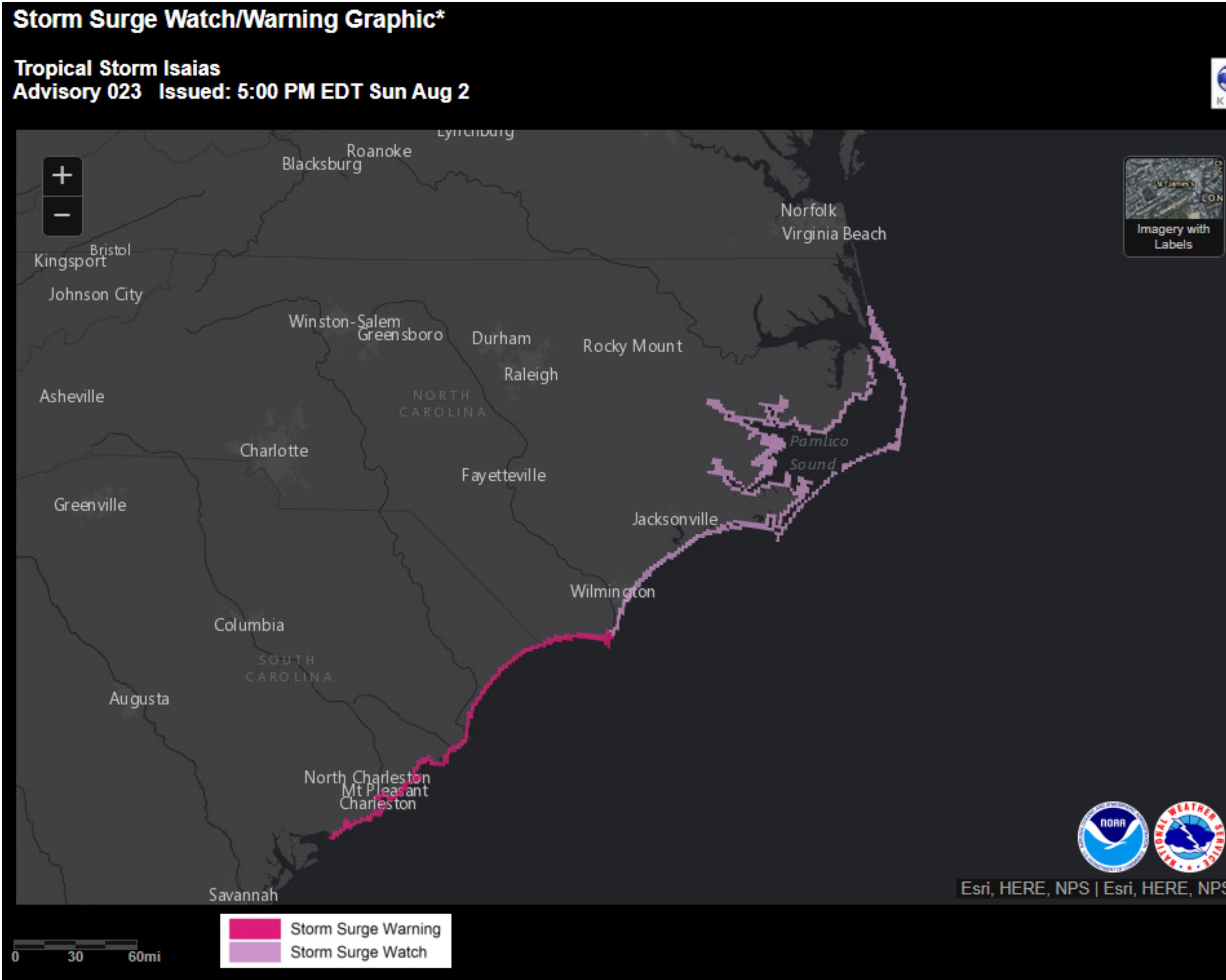


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Storm Surge Watch/Warning Graphic*

Tropical Storm Isaias
Advisory 023 Issued: 5:00 PM EDT Sun Aug 2



- Storm Surge Warning in effect from Cape Fear southward along the northeast SC coast.
- Storm Surge Watch in effect from Cape Fear northward along the southeast NC coast.
- Possibility/danger of life-threatening inundation from storm surge somewhere in the watch area within 48 hours.

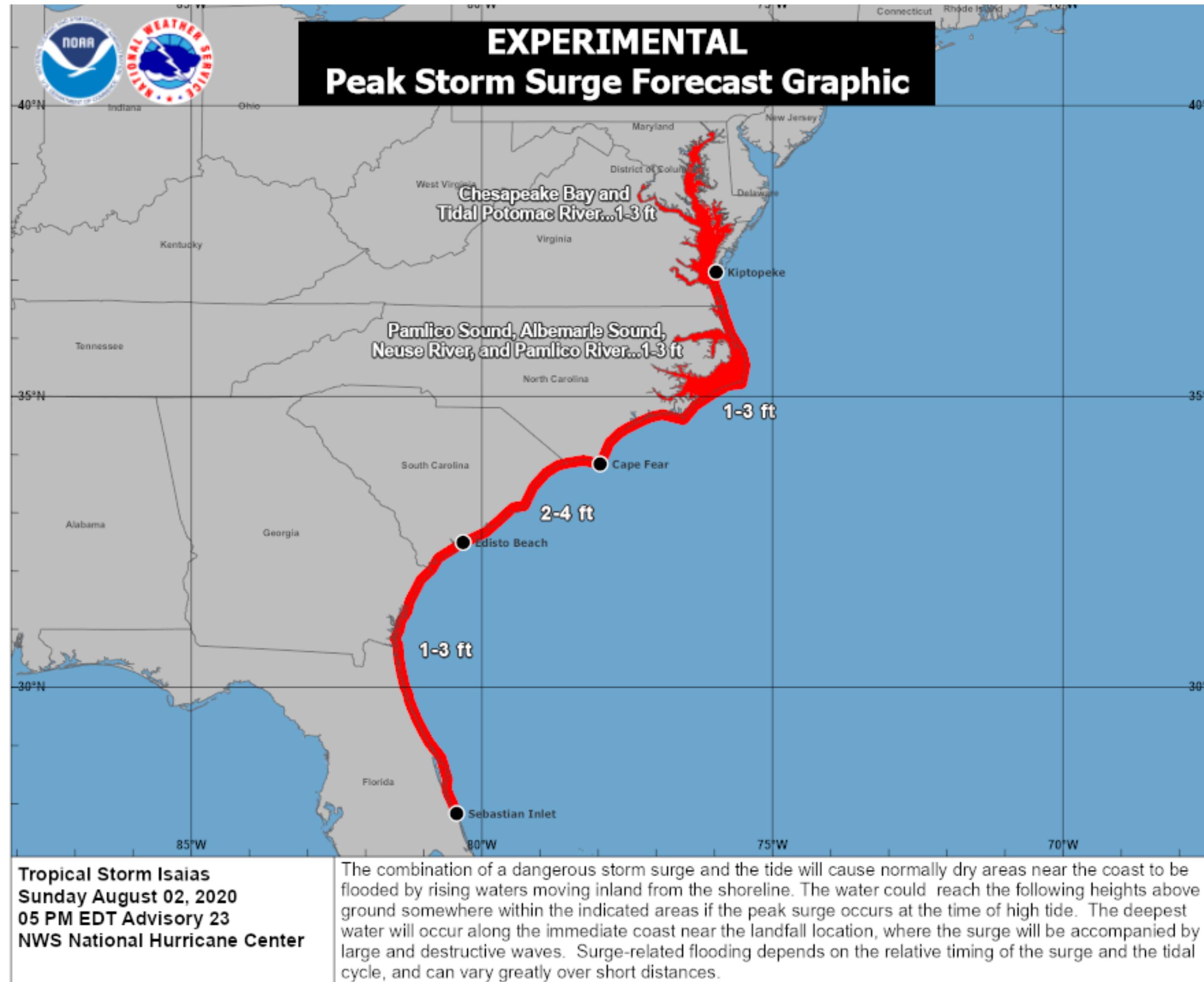
Storm Surge

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- Potential storm surge of 2-4 ft from Cape Fear southward along the northeast SC coast, and 1-3 ft from Cape Fear northward along the southeast NC coast.

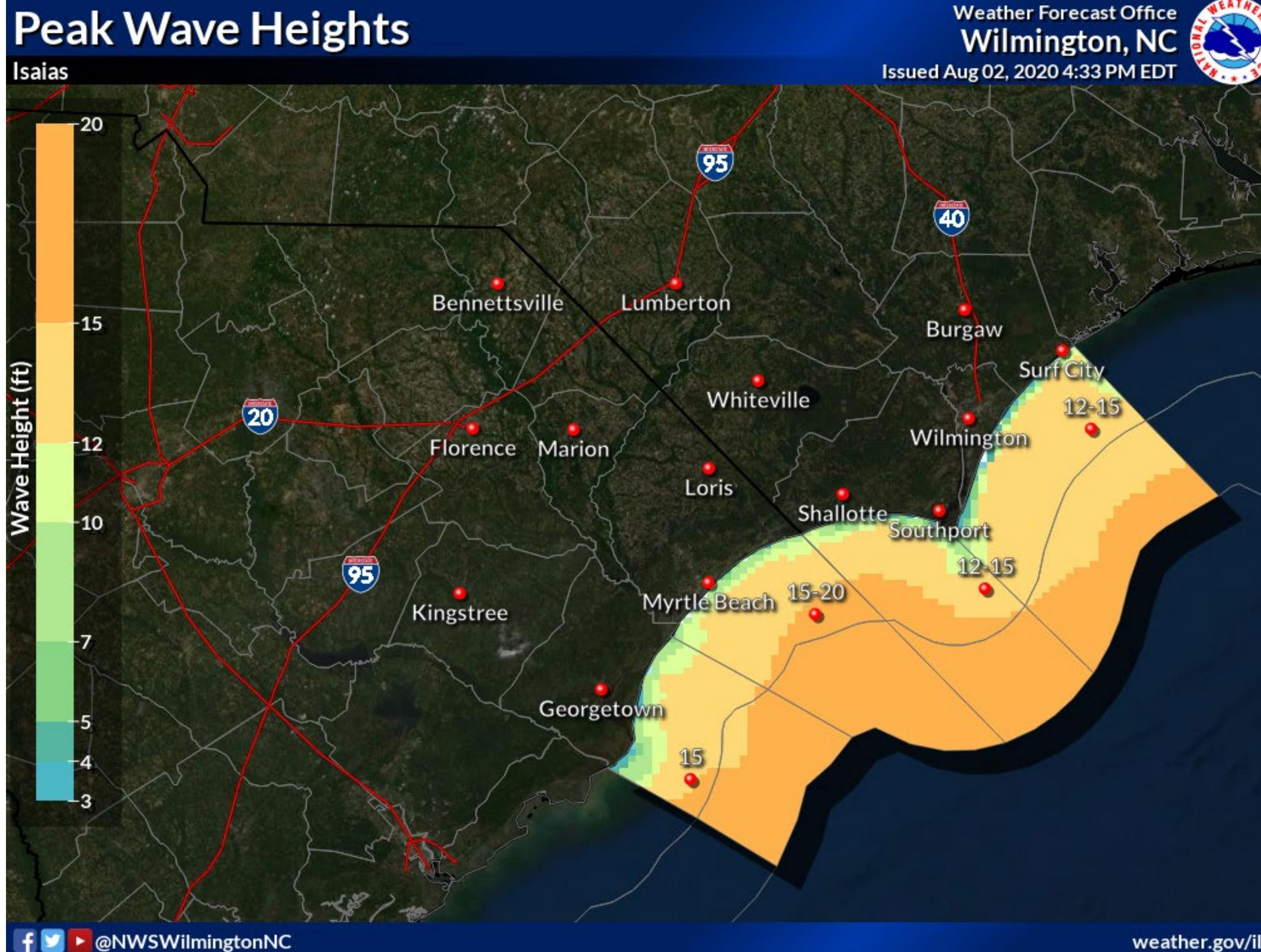
Marine/Coastal Hazards

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- Dangerous rip currents are expected through Tuesday
- Hazardous winds/seas are expected to develop for the adjacent coastal waters with the worst conditions Monday night into Tuesday morning
- Maritime conditions are expected to improve by Tuesday night into Wednesday

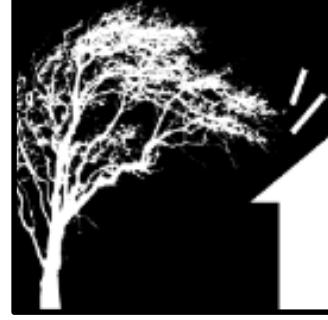
Key Take-Aways

Tropical Storm Isaias



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Tropical storm force winds are possible by Monday night for northeast SC and Monday night into Tuesday morning for southeast NC. The gusty winds could cause downed trees/limbs and some power outages.



Some storm surge inundation and beach erosion are possible, especially with high tide Monday night from Cape Fear southward to northeast SC coastal areas.



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



Some tornadoes are possible - especially Monday afternoon/night into Tuesday morning.



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.



There is some potential for minor to moderate river flooding (30% chance) – however this is dependent on where the heaviest rainfall occurs.



*The Next Briefing for northeast SC and southeast NC:
730 AM Monday August 3, 2020
Method: Email*



Web: <http://weather.gov/ilm>



E-mail: nws.ilm.operations@noaa.gov



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