

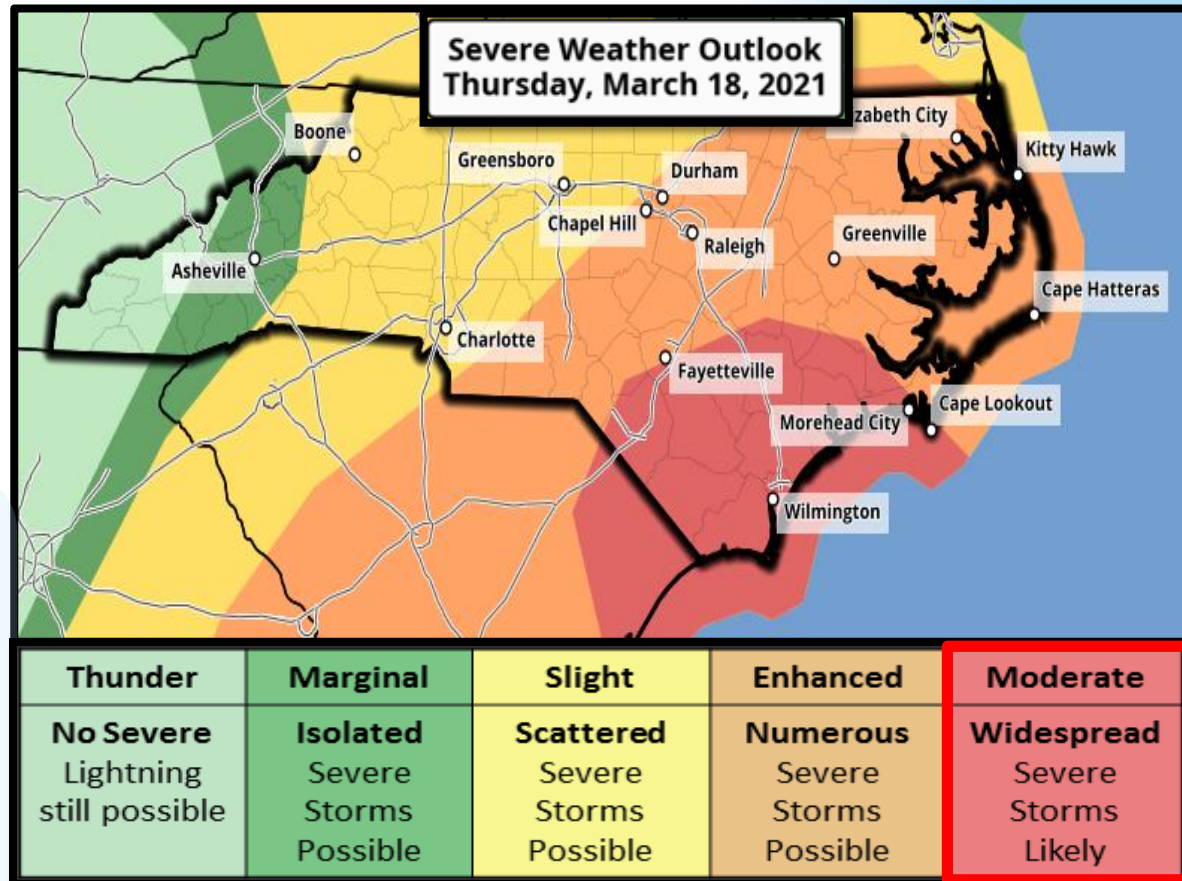
# Severe Weather Outbreak

Impacts: Severe Weather, Coastal Flooding, Gusty Winds



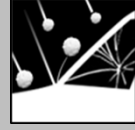


## Decision Support Briefing # 3

As of: 530 AM  
March 18<sup>th</sup>, 2021  
What Has Changed?

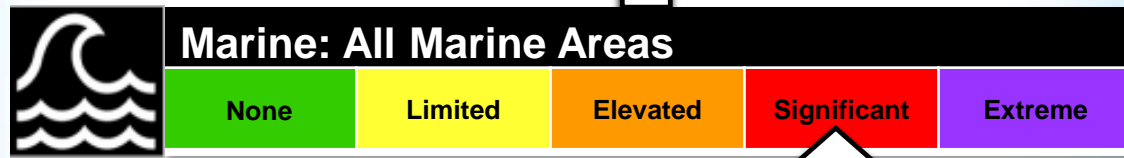
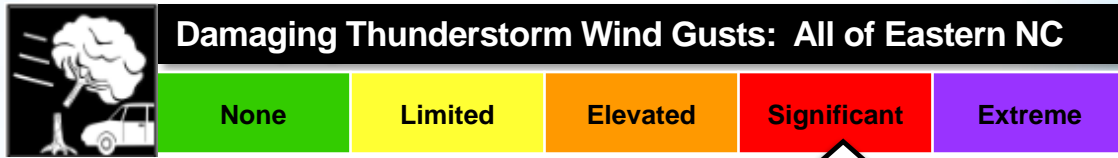
- ✓ Moderate Risk trimmed back
- ✓ Wind Advisories Issued
- ✓ Coastal Flood Watch Issued
- ✓ Gale Warnings Issued for Friday into the Weekend



# Main Points

Hazard	Impacts	Location	Timing
<b>Damaging Thunderstorm Wind Gusts</b> 	Localized downed trees and powerlines, and isolated structural damage associated with the strongest storms.	All of eastern North Carolina	This afternoon into early tonight
<b>Tornadoes</b> 	Localized areas of enhanced damage with significant damage to property and infrastructure.	All of eastern North Carolina	This afternoon into early tonight
<b>Hail</b> 	Localized areas of structural and crop damage associated with the strongest storms.	All of eastern North Carolina	This afternoon into early tonight
<b>Coastal Flooding</b> 	Minor to moderate inundation of low lying areas. Beach erosion and possible ocean overwash for NE-facing beaches in the Northern Outer Banks.	Locations adjacent to southern portions of Pamlico Sound, Neuse River. Ocean overwash northern Outer Banks.	Friday afternoon through at least Saturday
<b>Marine</b> 	Very strong winds & dangerous seas.	All marine areas around eastern North Carolina.	This afternoon through Sunday night

# Summary of Greatest Impacts

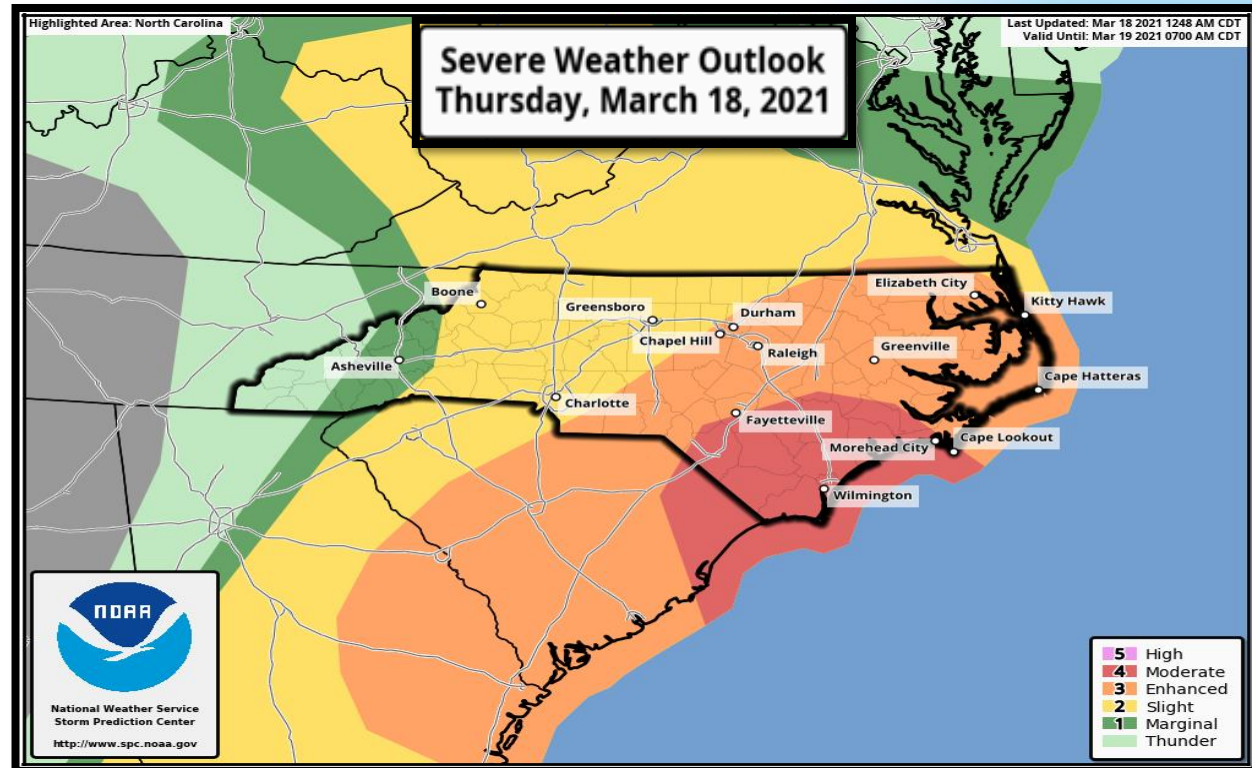


**Timing:**

This afternoon into early tonight

**Impacts:**

- ✓ **Strong, damaging winds** in thunderstorms could lead to structural damage, trees down/uprooted, and power outages.
- ✓ **Tornadoes, with a few potentially strong, are possible**, resulting in areas of enhanced to significant damage.
- ✓ **Hail of 1" or greater**, resulting in possible damage to property

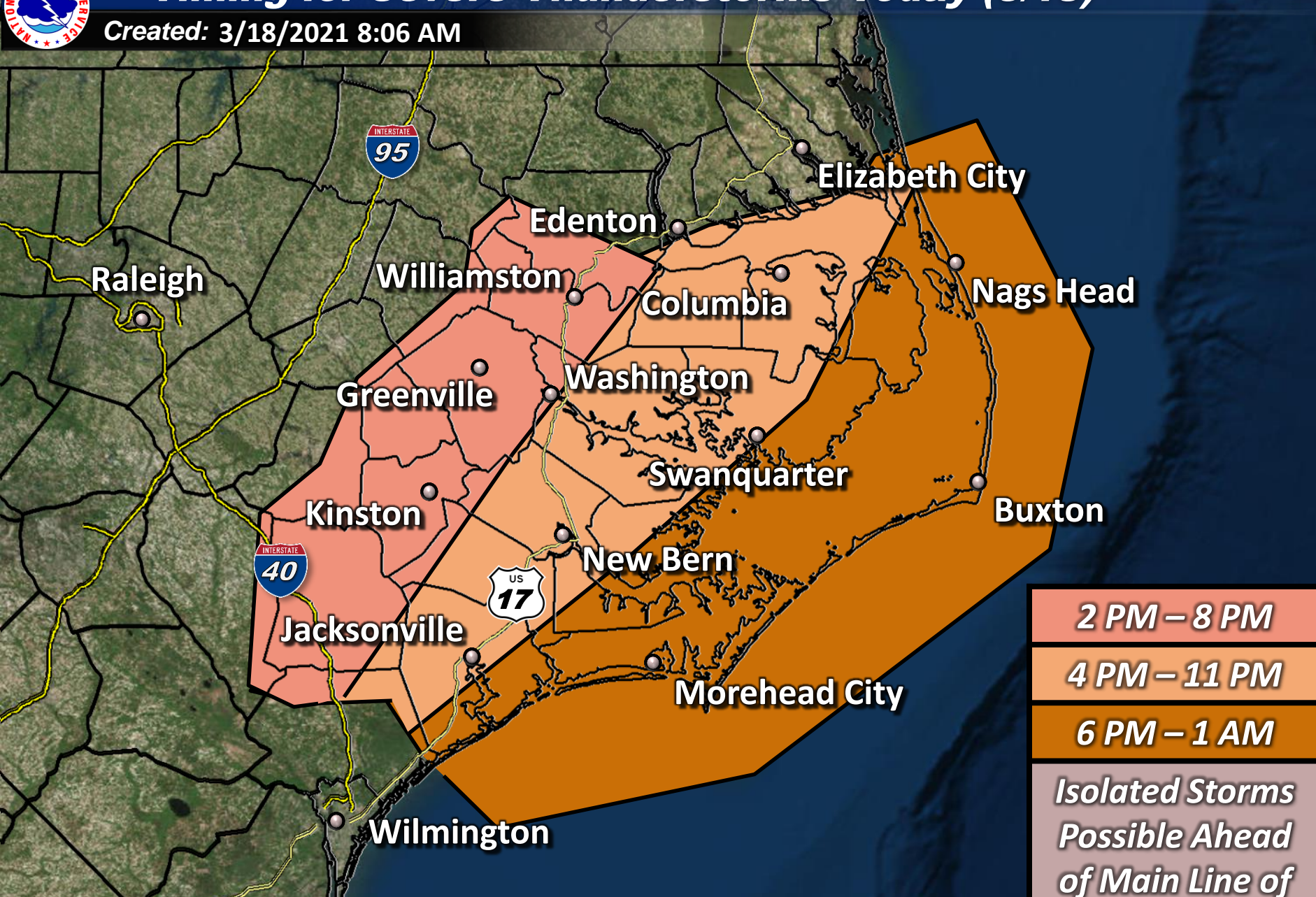


Thunder	Marginal	Slight	Enhanced	Moderate
No Severe Lightning still possible	Isolated Severe Storms Possible	Scattered Severe Storms Possible	Numerous Severe Storms Possible	Widespread Severe Storms Likely



# Timing for Severe Thunderstorms Today (3/18)

Created: 3/18/2021 8:06 AM



<i>2 PM – 8 PM</i>
<i>4 PM – 11 PM</i>
<i>6 PM – 1 AM</i>
<i>Isolated Storms Possible Ahead of Main Line of Storms</i>

# Forecast Max Wind Gusts

Friday through Sunday

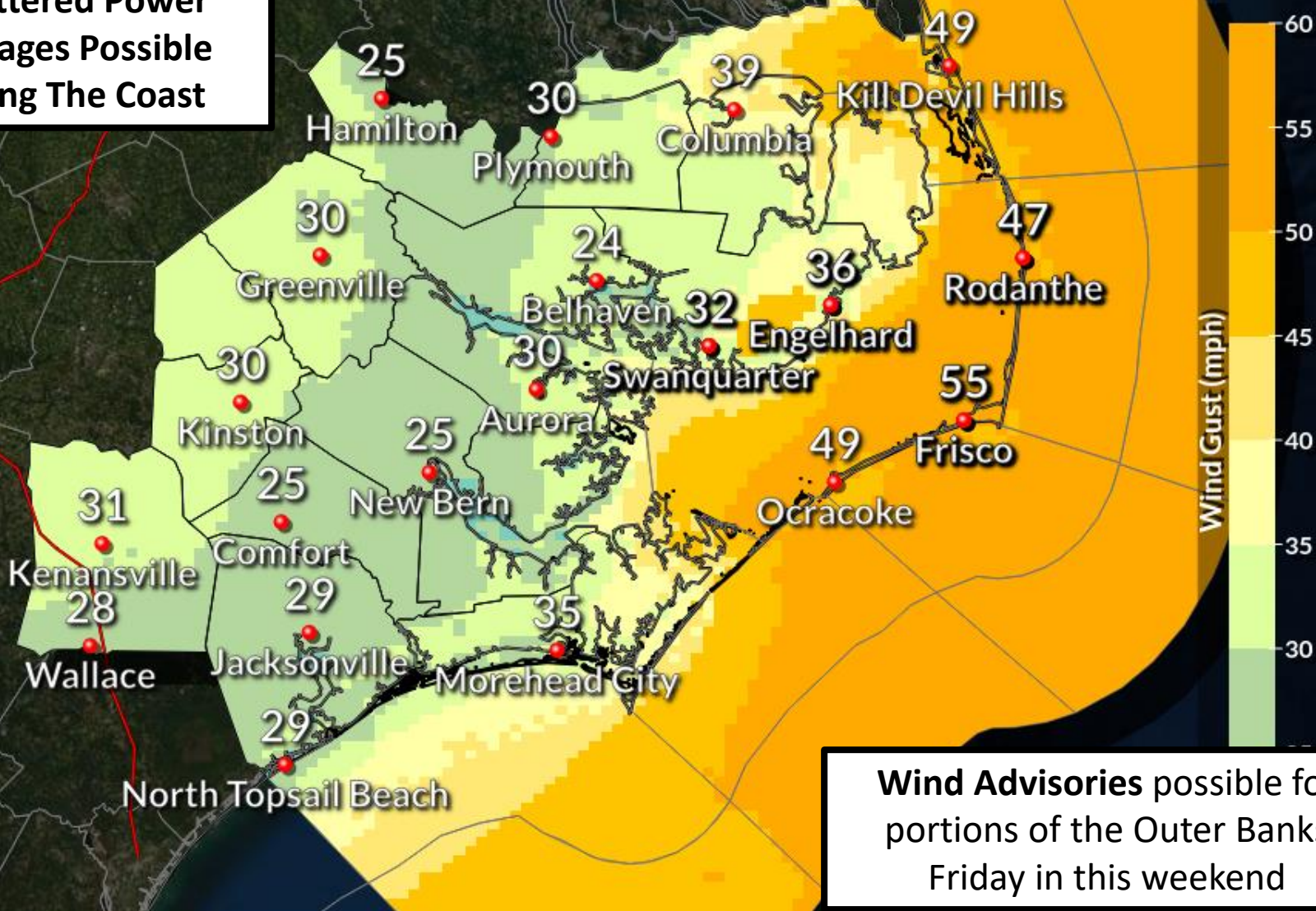
Weather Forecast Office  
Newport/Morehead City, NC

Issued Mar 18, 2021 4:16 AM EDT



## Impacts

Scattered Power Outages Possible Along The Coast



Wind Advisories possible for portions of the Outer Banks Friday in this weekend

# Coastal Flood Risk

Weather Forecast Office  
Newport/Morehead City, NC

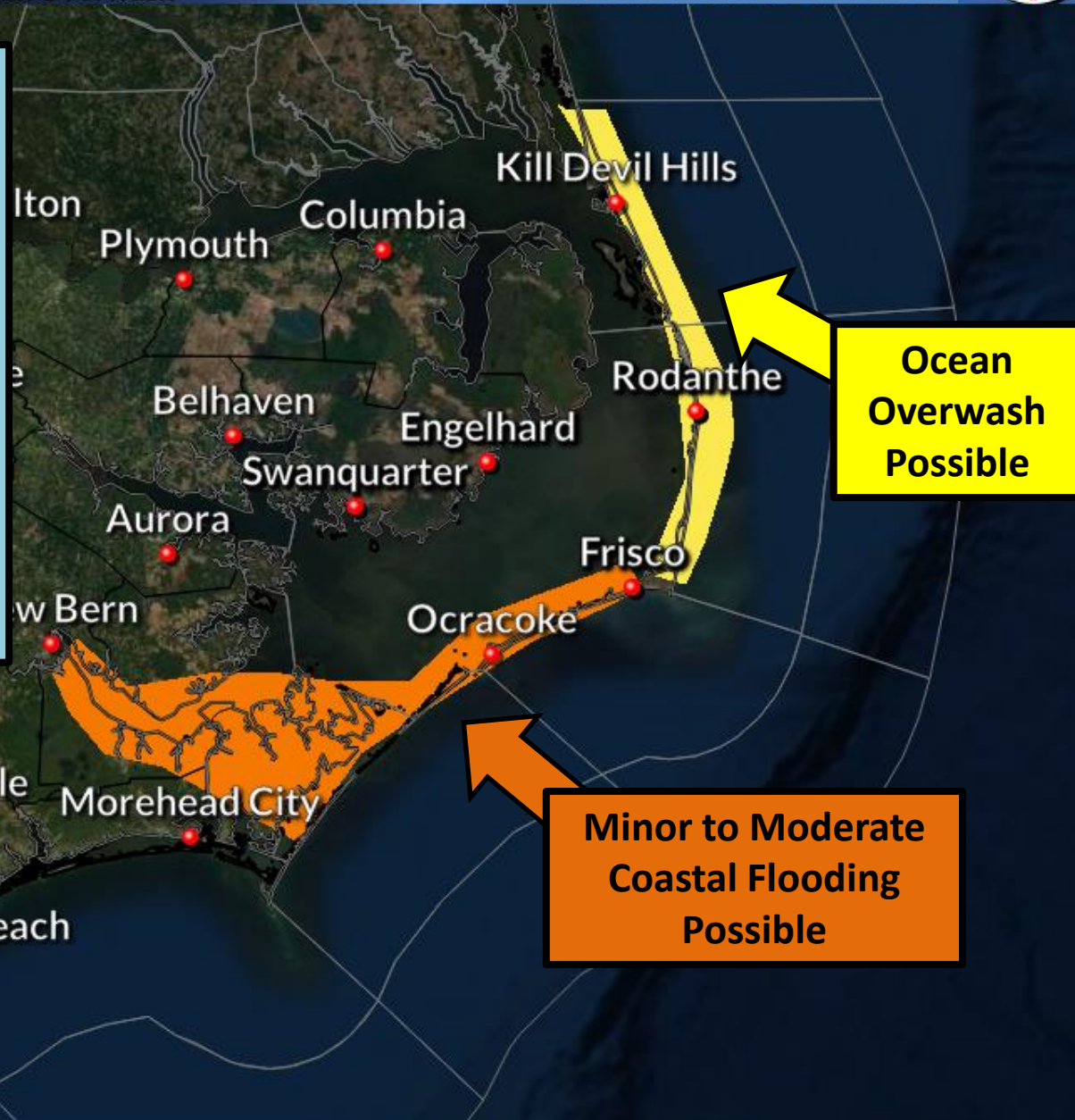


Minor to Moderate Coastal Flooding and Ocean Overwash

Issued Mar 18, 2021 4:50 AM EDT

After a cold front crosses Friday afternoon, strong northerly winds will develop resulting in **minor to locally moderate coastal flooding** for locations soundside from Buxton south to Down East Carteret.

**Ocean overwash** is possible across OBX beaches north of Cape Hatteras, especially during high tide. This threat will persist through at least Saturday.



**Ocean Overwash Possible**

**Minor to Moderate Coastal Flooding Possible**

# Forecast Max Wave Heights

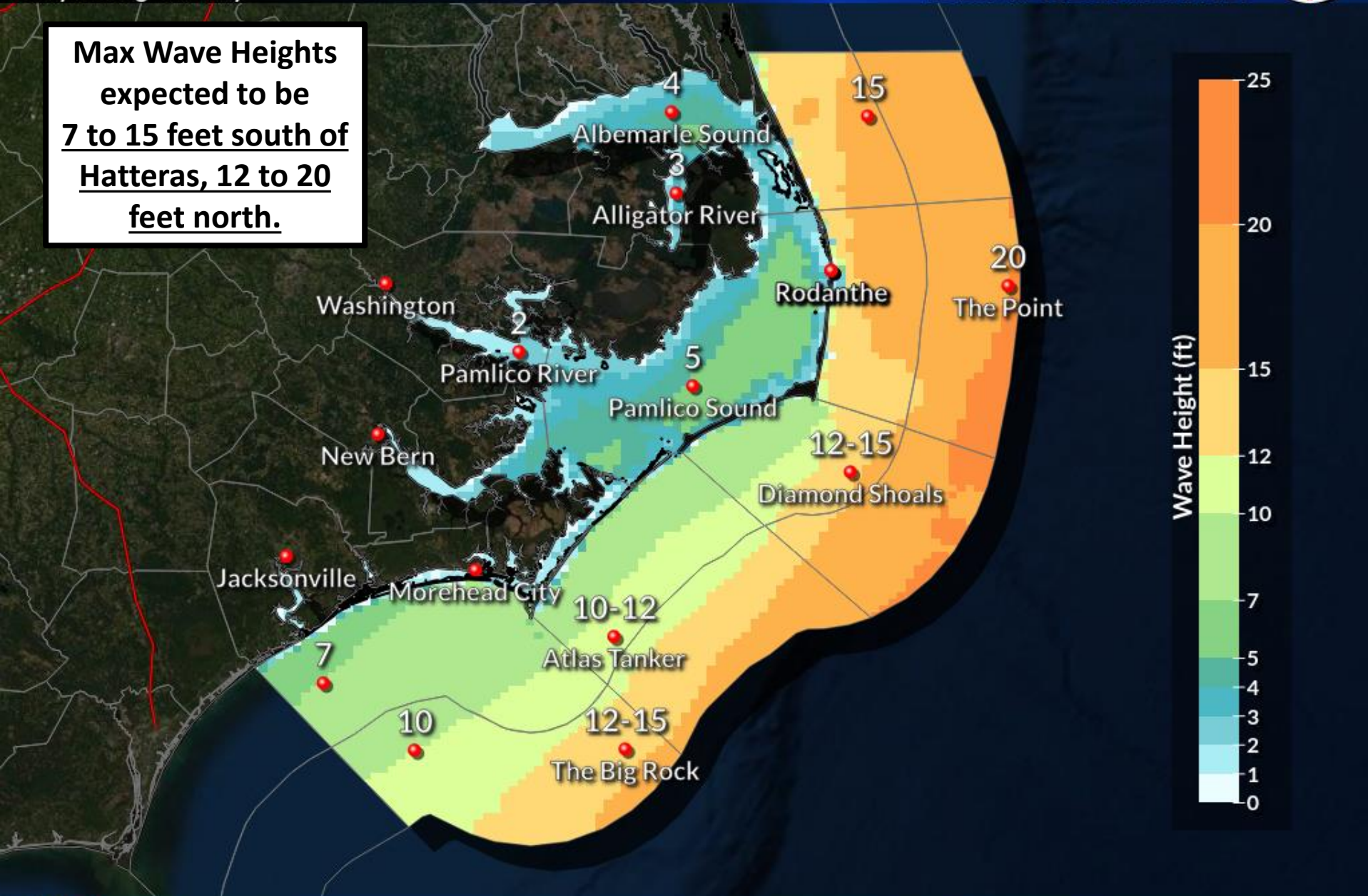
Weather Forecast Office  
Newport/Morehead City, NC



Today through Sunday

Issued Mar 18, 2021 4:13 AM EDT

Max Wave Heights  
expected to be  
7 to 15 feet south of  
Hatteras, 12 to 20  
feet north.



# Gale Force Winds this Weekend

Friday through Sunday

Weather Forecast Office  
Newport/Morehead City, NC

Issued Mar 18, 2021 4:38 AM EDT



**Gale Warnings  
Issued for all coastal  
waters and inland  
Sounds**



Gale  
Warnings

# Event Summary

## Threats for Severe Weather, Gusty Winds, Coastal Flooding *This Afternoon Through This Weekend*



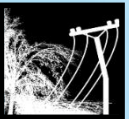
Strong, damaging winds in thunderstorms could lead to structural damage, trees down/uprooted, and power outages.



Tornadoes possible, a few possibly strong, resulting in areas of enhanced damage.



Minor to moderate coastal flooding possible for several locations adjacent to inland sounds and tidal rivers. Additionally beach erosion and possible ocean overwash will be a threat for the Northern Outer Banks.



Northerly wind gusts up to 45-50 mph expected along the Outer Banks

## Contact and Next Briefing Information



**Next Briefing: By 5 PM  
This Afternoon**



[Briefing Webpage](#)



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**Disclaimer:** *The information contained within this briefing is time-sensitive, do not use after 10 AM March 18<sup>th</sup>*