

# Strong Cold Front

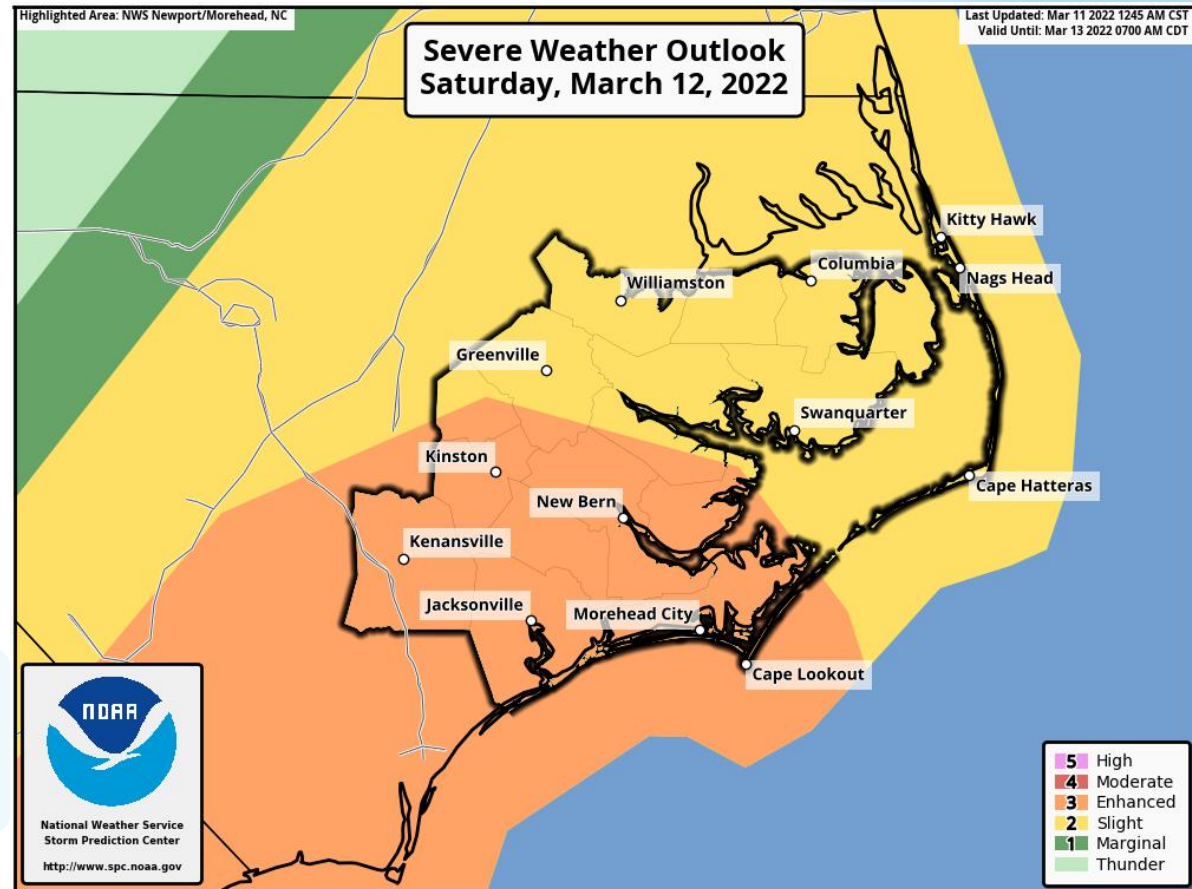
Impacts: Severe Weather, Coastal Flooding, Gusty Winds

## Decision Support Briefing # 1






As of: 7 AM  
March 11, 2022

What Has Changed?

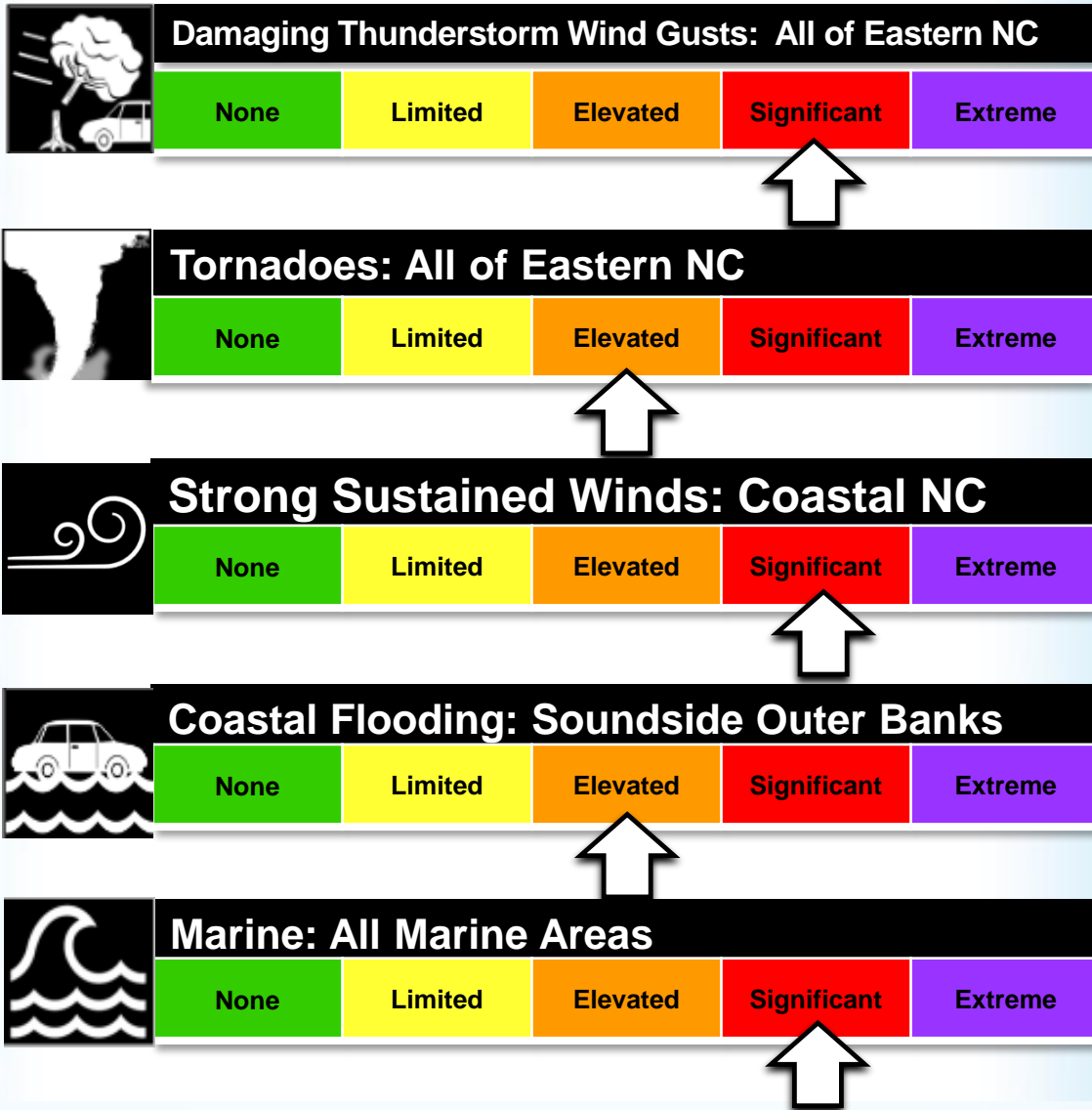
✓ *First briefing*



# 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	Early Saturday morning through Saturday afternoon
<b>Tornadoes</b> 	Localized areas of enhanced damage with significant damage to structures and infrastructure.	All of eastern North Carolina	Early Saturday morning through Saturday afternoon
<b>Strong Sustained Winds/Gusts</b> 	Strong SW winds shifting to the NW could lead to isolated wind damage and isolated power outages.	Coastal North Carolina, especially OBX	Saturday morning through Saturday night
<b>Coastal Flooding</b> 	Minor inundation (up to 2 ft agl) of low lying areas. Beach erosion and possible ocean overwash between Ocracoke and Oregon Inlet.	Soundside Outer Banks	Saturday morning through Saturday evening
<b>Marine</b> 	Very strong winds & dangerous seas. Low water levels possible for the Neuse, Pamlico and Pungo Rivers	All marine areas around eastern North Carolina.	Saturday through Saturday night

# Summary of Greatest Impacts

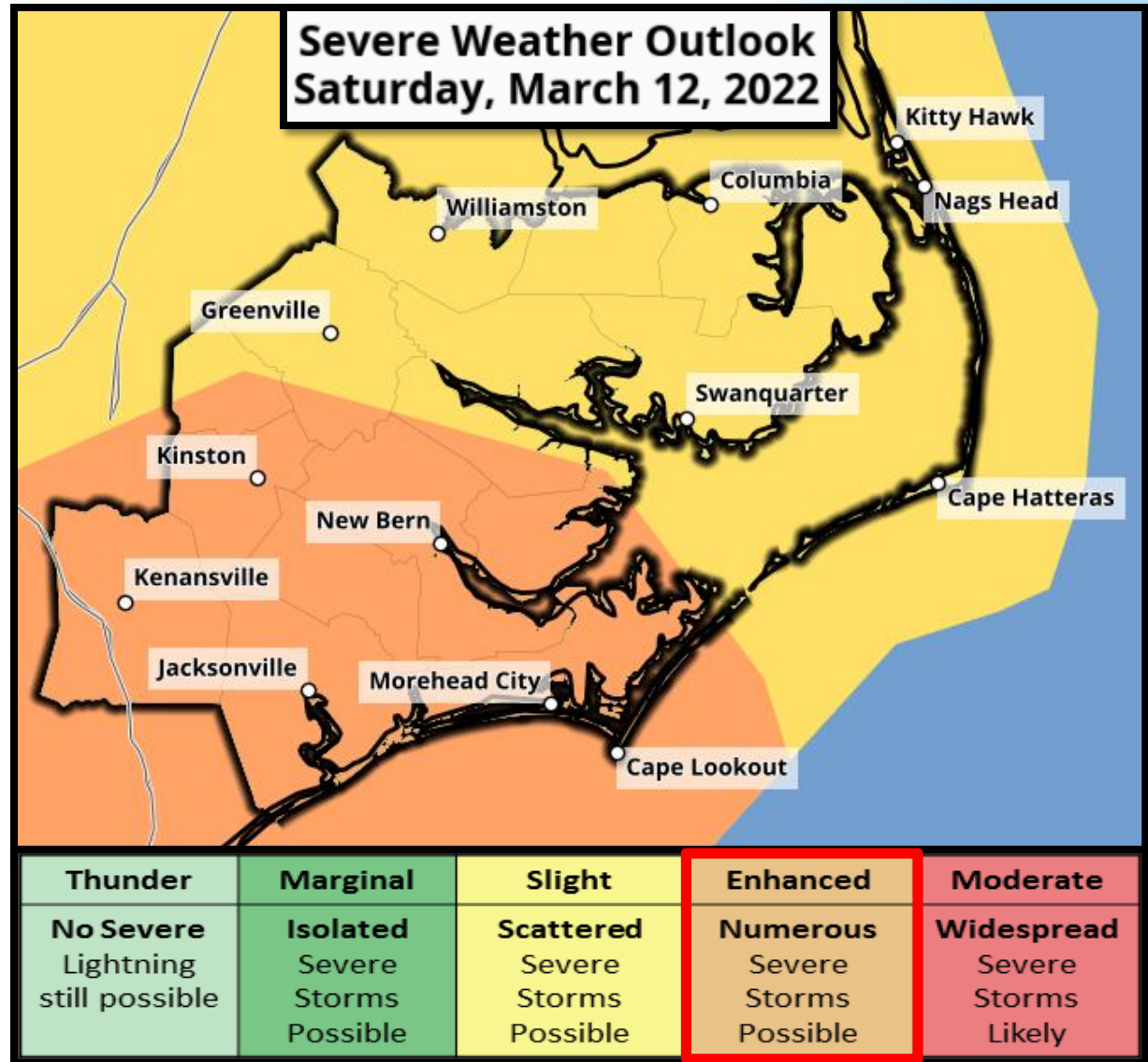


**Timing:**

Early Saturday morning through Saturday afternoon

**Impacts:**

- ✓ **Strong, damaging winds** in thunderstorms could lead to structural damage, trees down/uprooted, and power outages.
- ✓ **A few tornadoes are possible**, resulting in areas of enhanced damage.



# Max Wind Gusts (mph)

Saturday (non-thunderstorm winds)

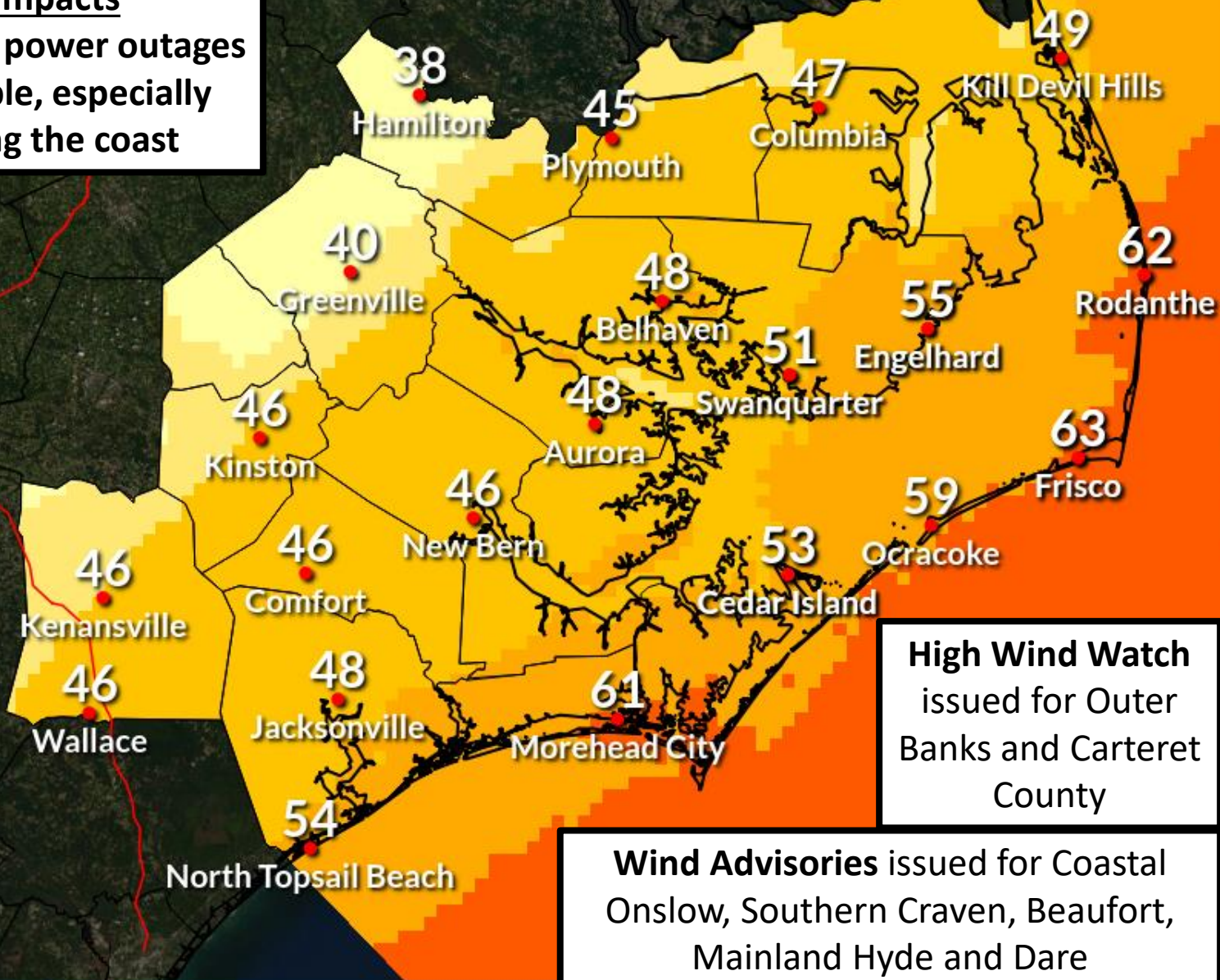
Weather Forecast Office  
Newport/Morehead City, NC

Issued Mar 11, 2022 6:13 AM EST



## Impacts

Isolated power outages possible, especially along the coast



**High Wind Watch** issued for Outer Banks and Carteret County

**Wind Advisories** issued for Coastal Onslow, Southern Craven, Beaufort, Mainland Hyde and Dare

# Marine Hazards & Max Wave Heights

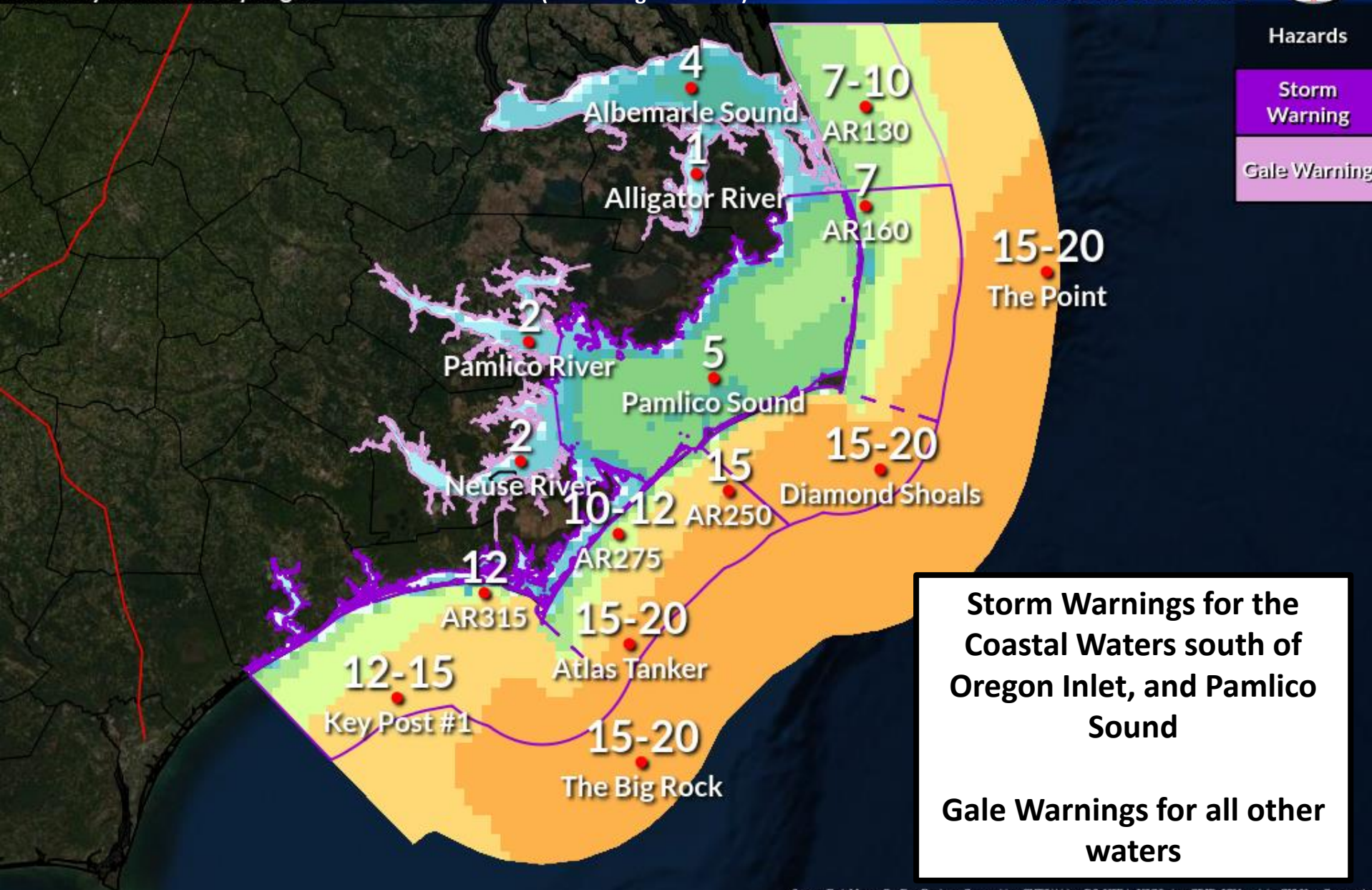
Weather Forecast Office  
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Saturday and Saturday Night

(Wave heights in feet)

Issued Mar 11, 2022 6:21 AM EST



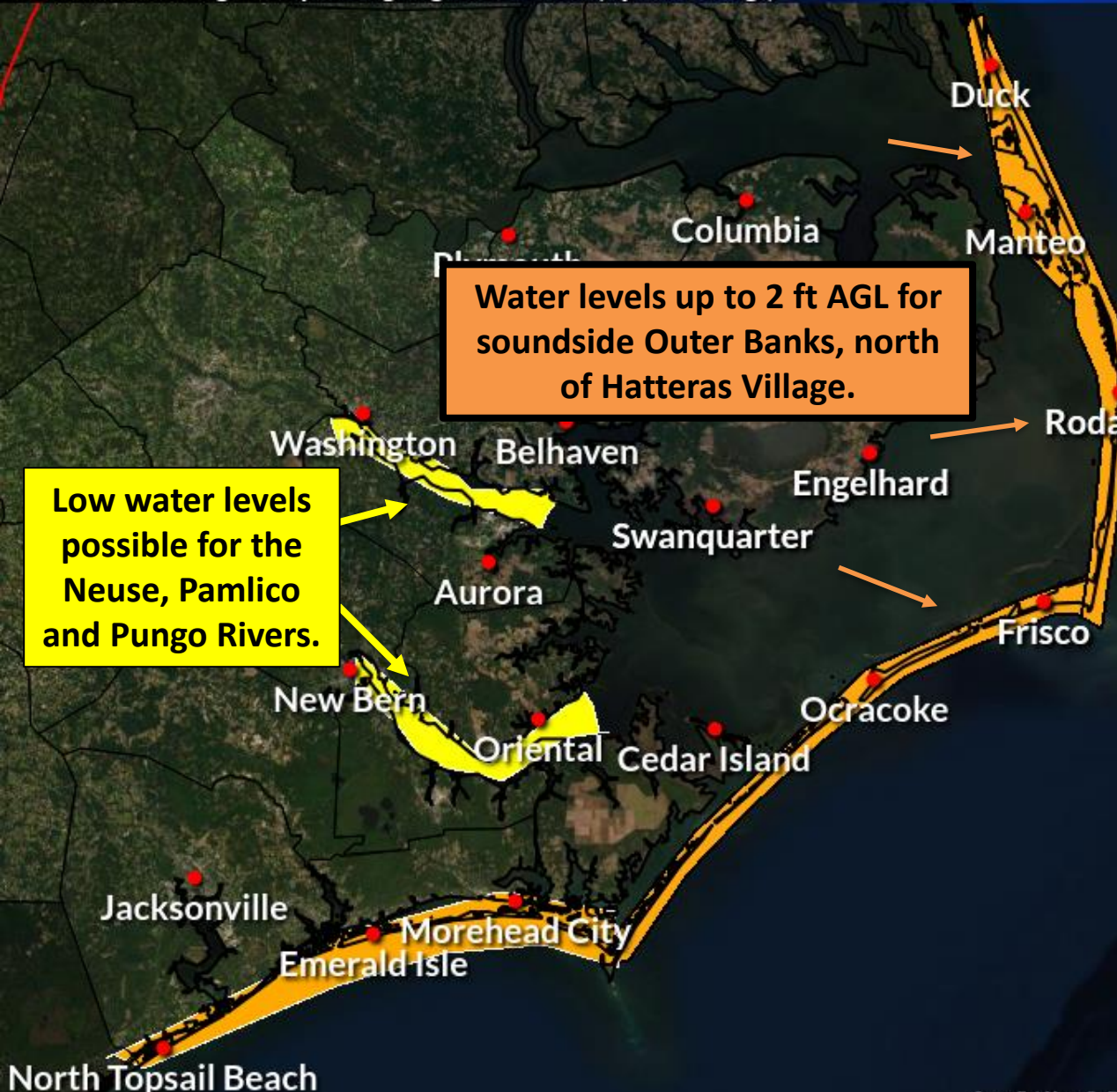
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Minor Coastal Flooding

Coastal Flooding Likely in Highlighted Areas (up to 2 ft agl)

Weather Forecast Office  
Newport/Morehead City, NC

Issued Mar 10, 2022 4:49 PM EST



Water levels up to 2 ft AGL for soundside Outer Banks, north of Hatteras Village.

Low water levels possible for the Neuse, Pamlico and Pungo Rivers.

Rough surf and minor beach erosion expected from Oregon Inlet to Surf City.

Minor ocean overwash possible between Oregon Inlet to Ocracoke.

AGL=Above Ground Level

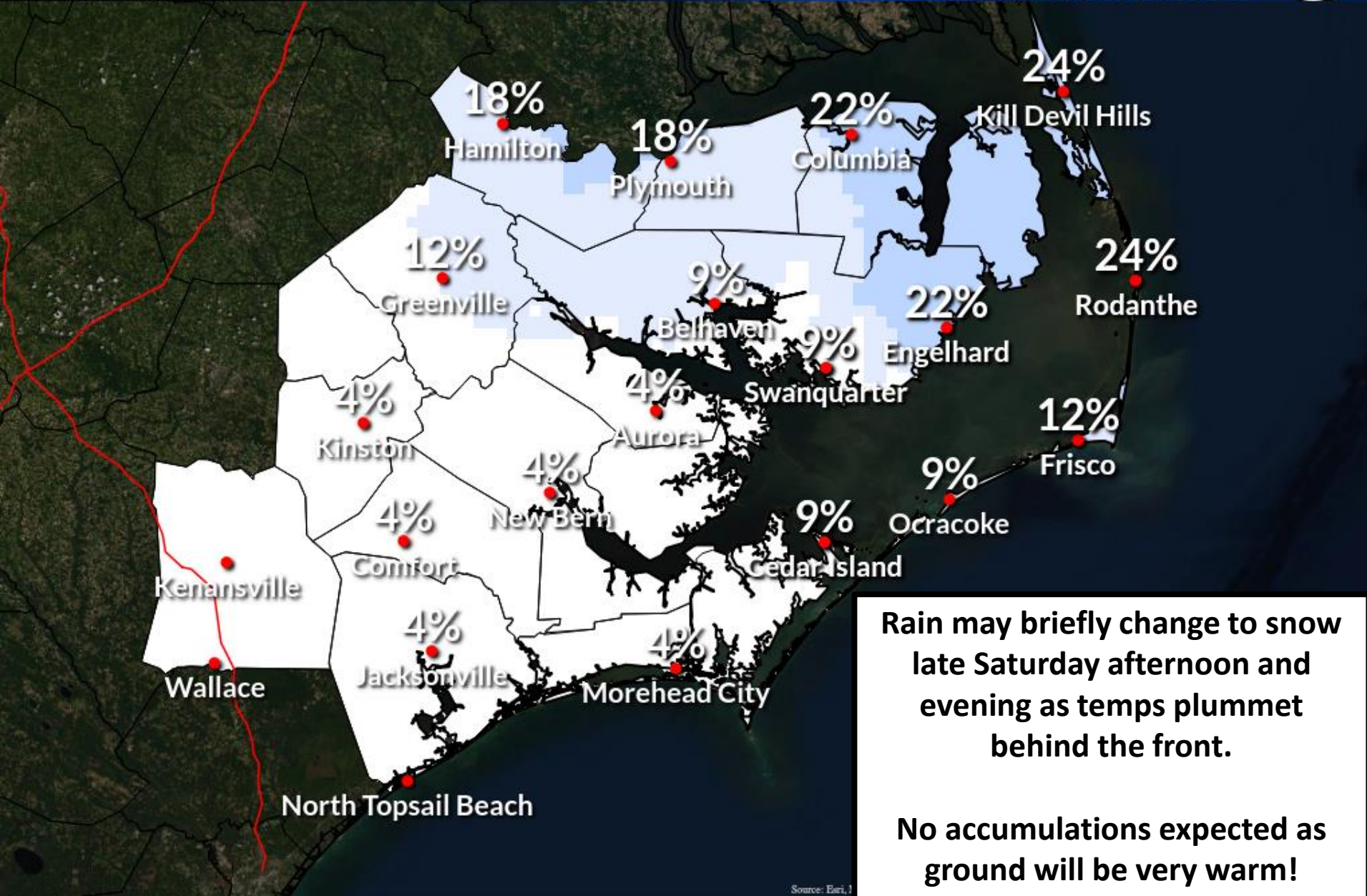
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES

# Chance that Rain Ends as Snow

No Accumulations!!!

Weather Forecast Office  
Newport/Morehead City, NC

Issued Mar 11, 2022 6:24 AM EST



**Rain may briefly change to snow late Saturday afternoon and evening as temps plummet behind the front.**

**No accumulations expected as ground will be very warm!**

Source: Eri...

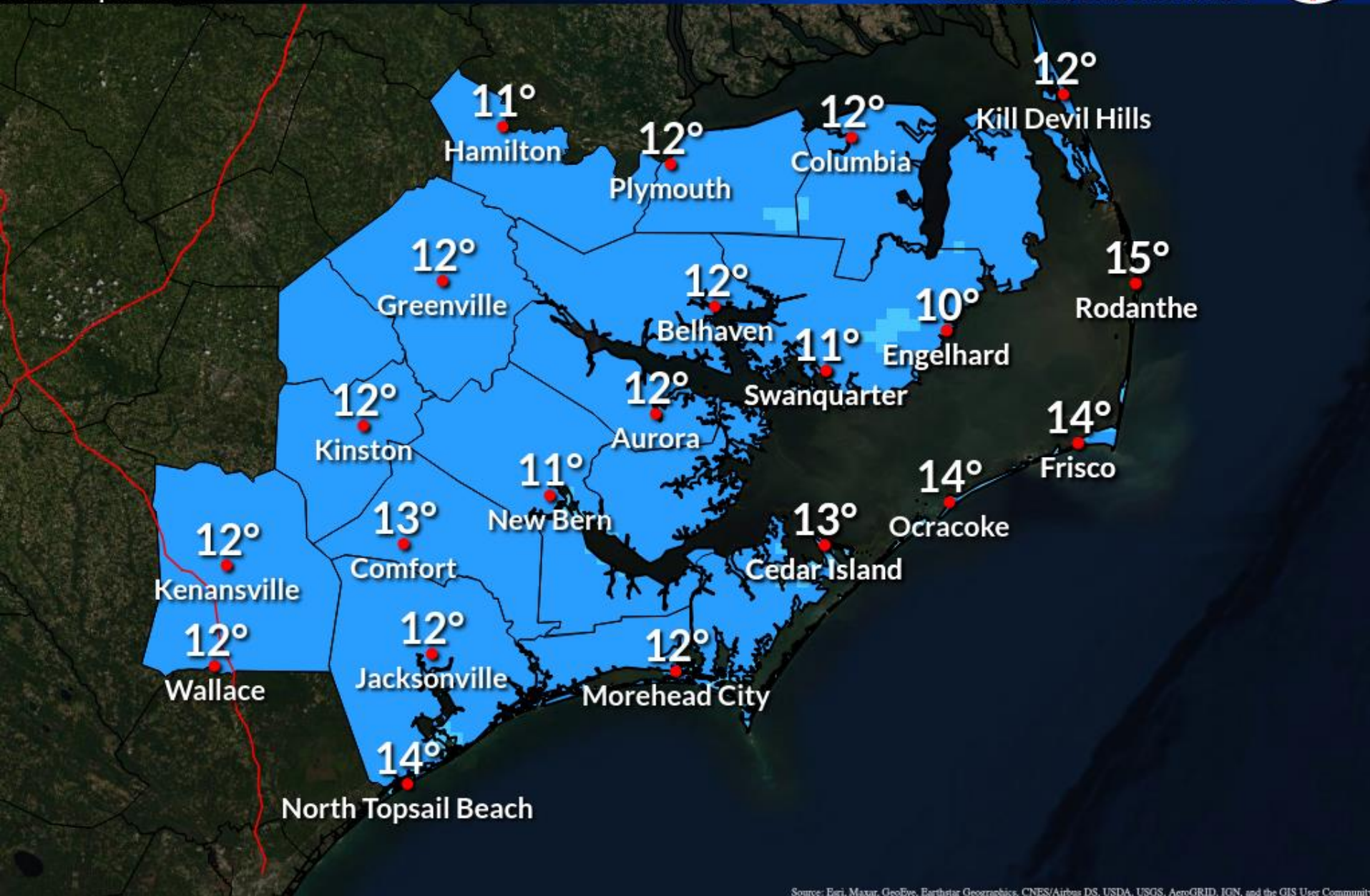


# Wind Chills Sunday Morning

Low temps in the 20s

Weather Forecast Office  
Newport/Morehead City, NC

Issued Mar 11, 2022 6:36 AM EST



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Event Summary

## Threats for Severe Weather, Strong Winds, Coastal Flooding *Early Saturday morning through Saturday afternoon*



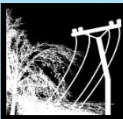
Strong, damaging winds in thunderstorms could lead to structural damage, trees down/uprooted, and power outages.



A few tornadoes are possible, resulting in areas of enhanced damage.



Minor coastal flooding expected for soundside Outer Banks. Additionally beach erosion and possible ocean overwash will be a threat from Oregon Inlet to Surf City.



Wind gusts 45-55 mph expected along the Outer Banks, with wind gusts 40-50 mph expected elsewhere along the coast.



Drastically colder weather overnight into Sunday morning with wind chills in the teens

# Contact and Next Briefing Information



**Next briefing can be expected by 5 pm today**



[Briefing Webpage](#)



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[weather.gov/moreheadcity/](http://www.weather.gov/moreheadcity/)



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**Disclaimer:** *The information contained within this briefing is time-sensitive, do not use after 5 PM March 11th*