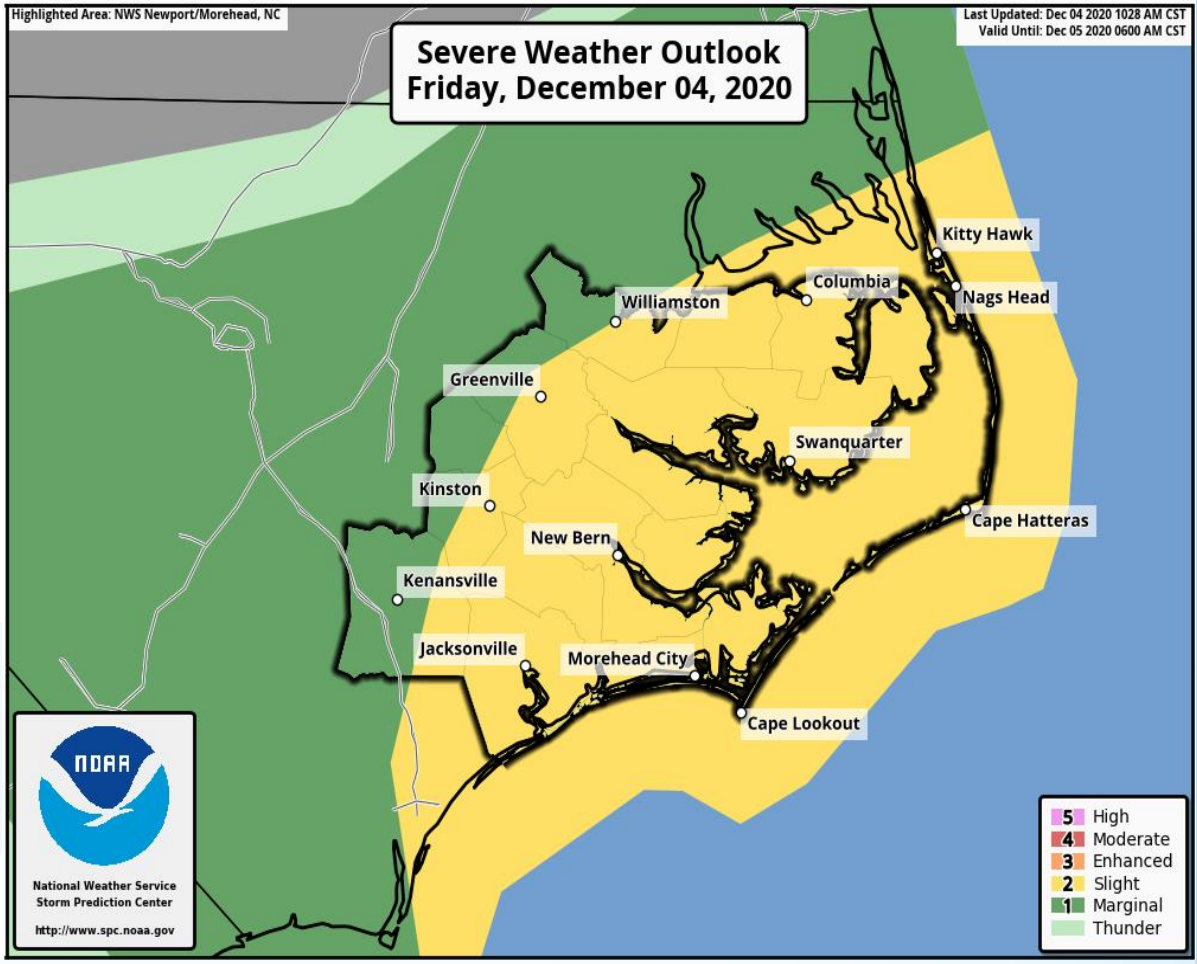
Severe Thunderstorms, Strong Winds & Coastal Flooding

Decision Support Briefing # 2

As of: 4 PM December 4th, 2020

What Has Changed?

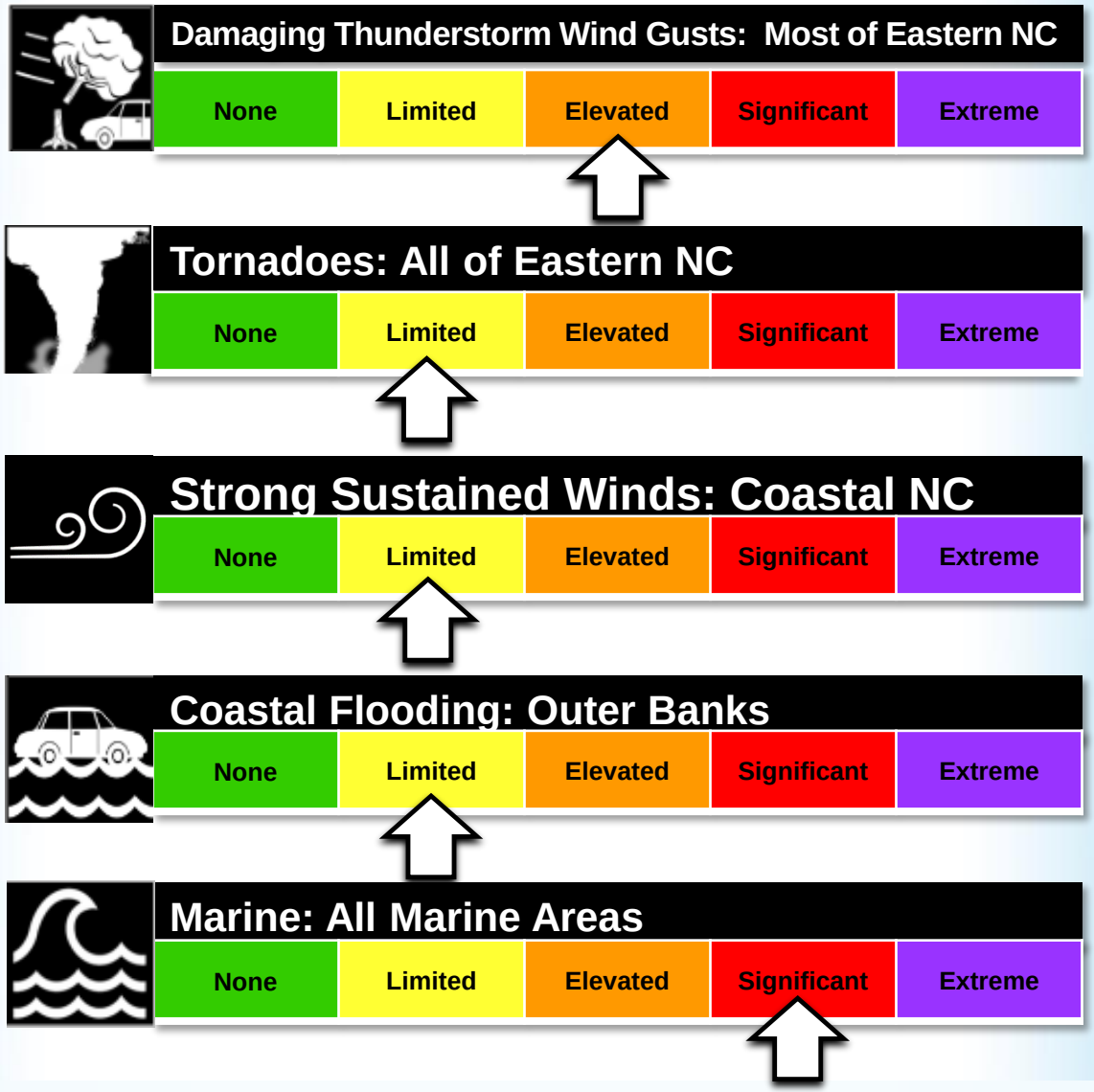
- ✓ ***Severe Threat Increased to Slight***



Main Points

Hazard	Impacts	Location	Timing
Damaging Thunderstorm Wind Gusts	Localized downed trees and powerlines, and isolated structural damage associated with the strongest storms.	Most of eastern North Carolina	Tonight into Saturday morning.
Tornadoes	Localized areas of enhanced damage with significant damage to structures and infrastructure.	Most of eastern North Carolina	Tonight into Saturday morning.
Strong Sustained Winds/Gusts	Strong SW/W winds could lead to minor wind damage and power outages along the coast.	Coastal North Carolina	Tonight through Saturday morning.
Coastal Flooding/ High Surf	Minor inundation of very low lying areas. Minor beach erosion and rough surf between Oregon Inlet and Cape Lookout.	Soundside OBX north of Ocracoke, including Roanoke Island. Oceanside overwash possible Ocracoke.	Saturday
Marine	Very strong winds & dangerous seas. Low water levels will occur in the inland rivers making navigation hazardous.	All marine areas around eastern North Carolina.	Tonight through Saturday.

Summary of Greatest Impacts

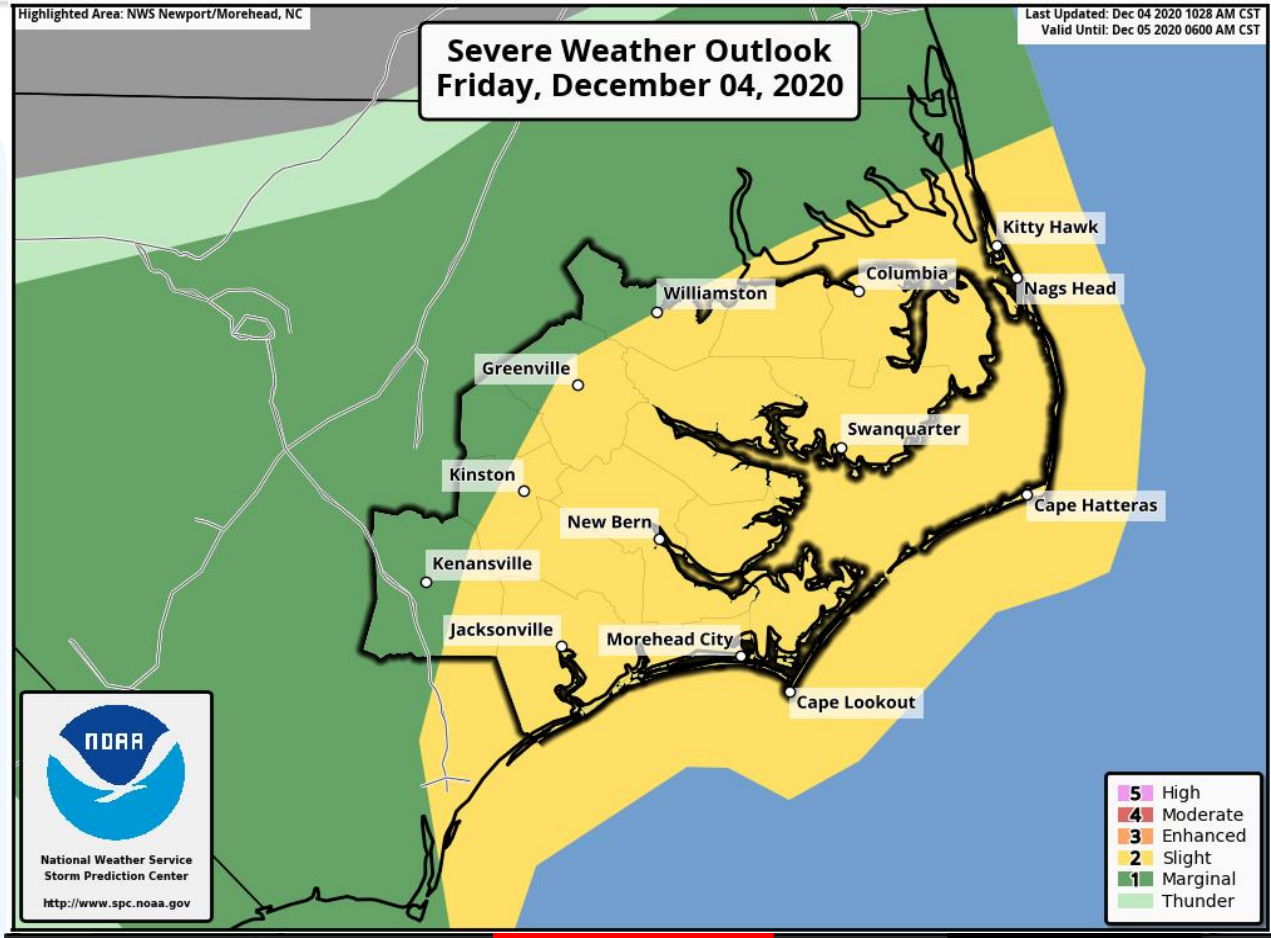


Timing:

- ✓ Tonight into Tomorrow Morning

Impacts:

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



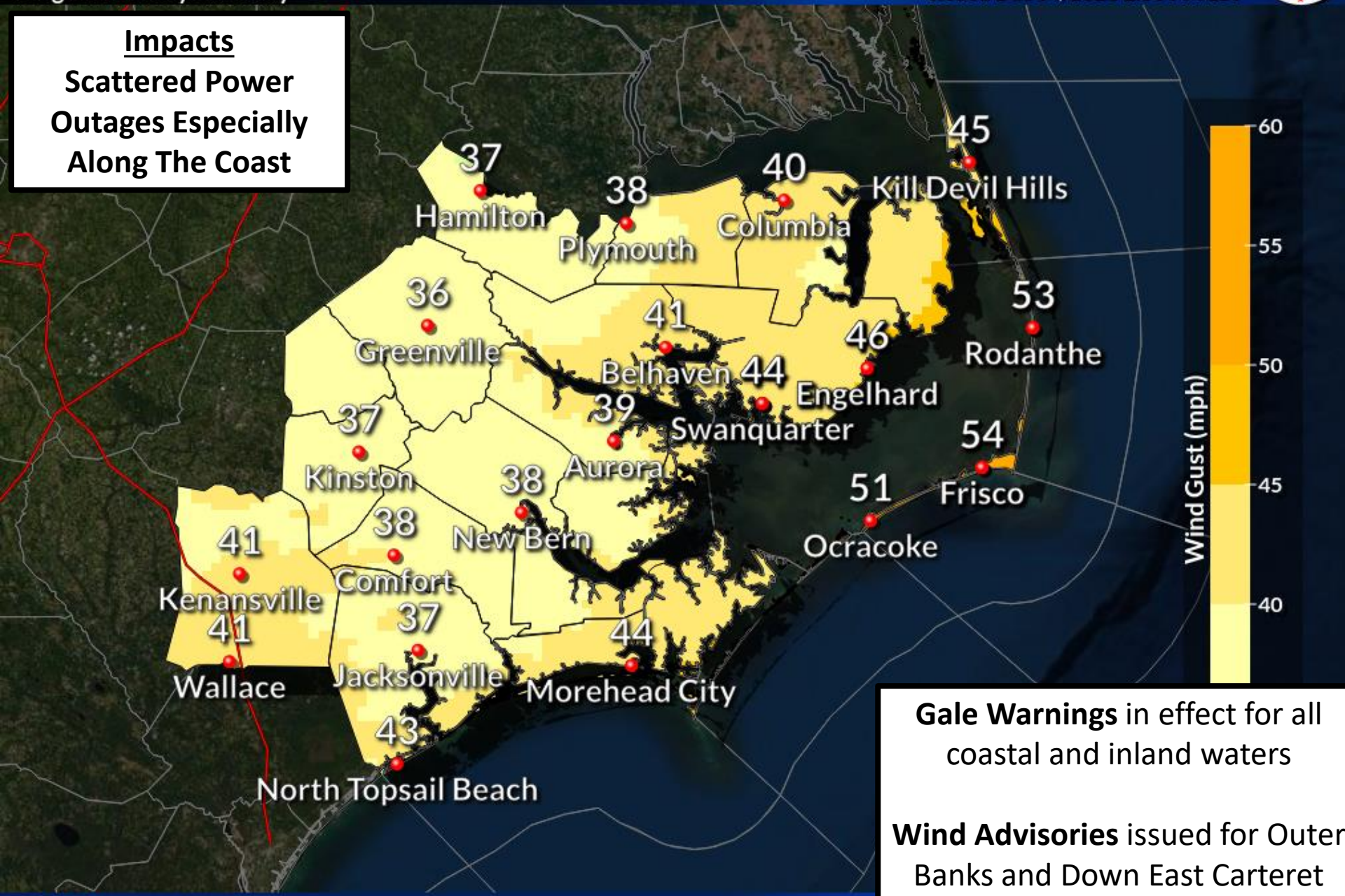
Thunder	Marginal	Slight	Enhanced	Moderate
No Severe Lightning still possible	**Isolated** Severe Storms Possible	**Scattered** Severe Storms Possible	**Numerous** Severe Storms Possible	**Widespread** Severe Storms Likely

Forecast Maximum Wind Gusts

Tonight and early Saturday

Weather Forecast Office
Newport/Morehead City, NC
Issued Dec 04, 2020 2:50 PM EST

Impacts
Scattered Power Outages Especially Along The Coast



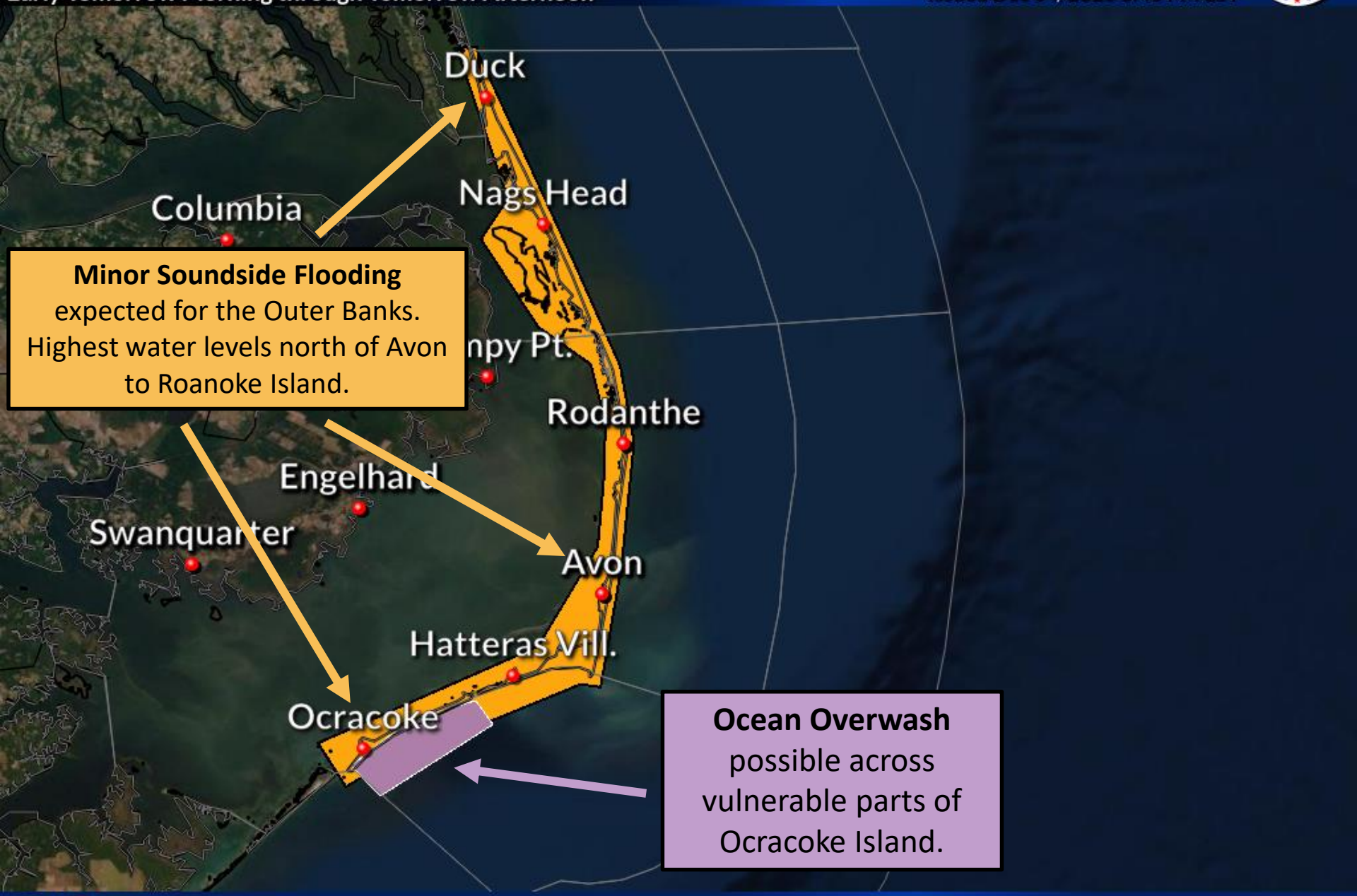
Gale Warnings in effect for all coastal and inland waters

Wind Advisories issued for Outer Banks and Down East Carteret

Coastal Flooding Impact Areas

Early Tomorrow Morning through Tomorrow Afternoon

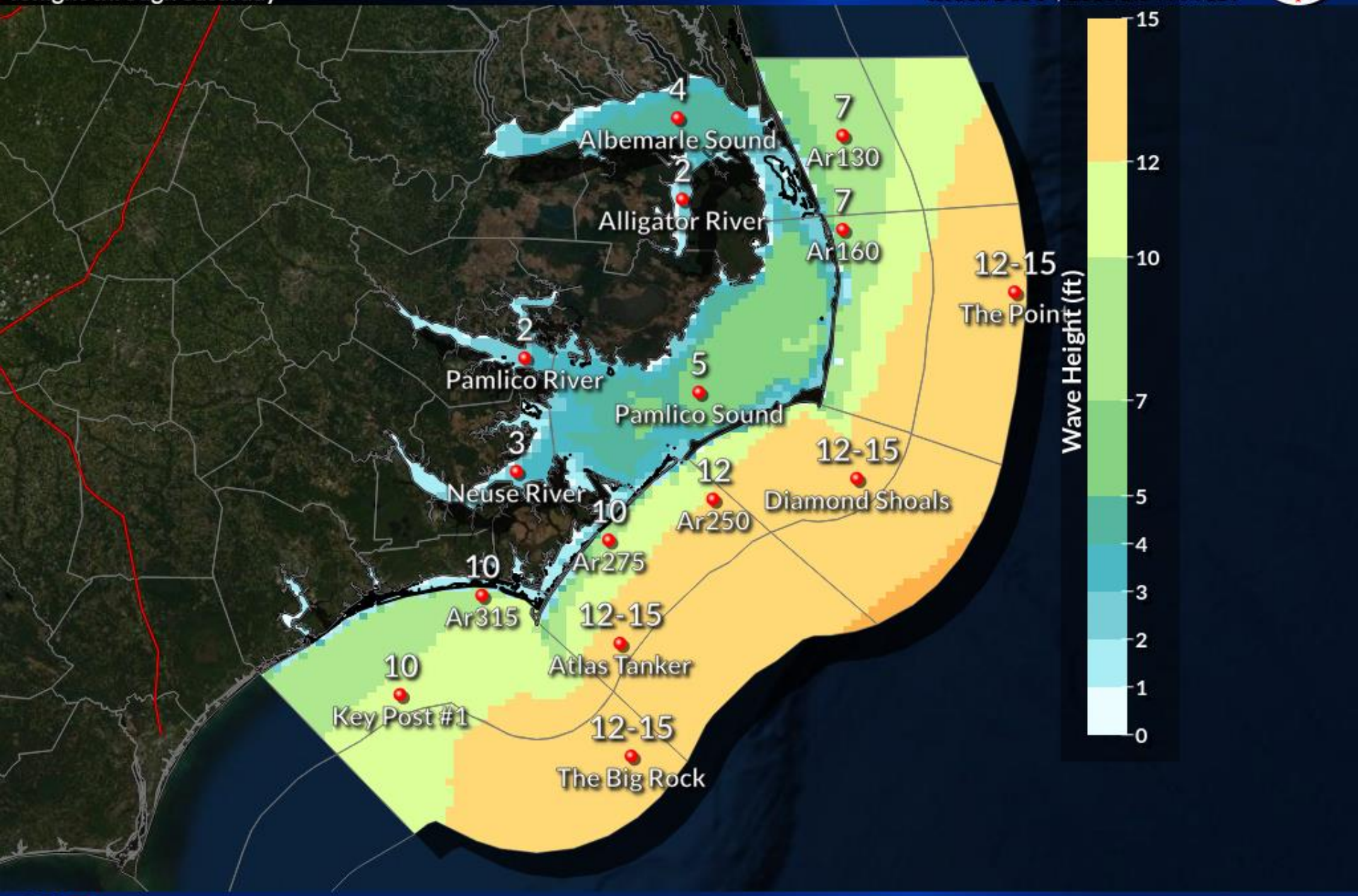
Weather Forecast Office
Newport/Morehead City, NC
Issued Dec 04, 2020 3:46 PM EST



Max Wave Heights

Tonight through Saturday

Weather Forecast Office
Newport/Morehead City, NC
Issued Dec 04, 2020 2:54 PM EST



Event Summary

Threats for <u>Severe Weather, Strong Winds, Coastal Flooding</u> *Tonight through Tomorrow Afternoon*

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

Brief, Isolated Tornadoes possible, resulting in areas of enhanced damage.

Minor coastal flooding expected for soundside OBX north of Ocracoke, including Roanoke Island. Large/powerful surf and beach erosion possible between Oregon Inlet and Cape Lookout. Ocean overwash possible for vulnerable parts of Ocracoke Island.

SW/W wind gusts up to 40-50 mph expected along the Outer Banks and Down East Carteret county.

Contact and Next Briefing Information

This is the final briefing unless forecasted conditions worsen

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