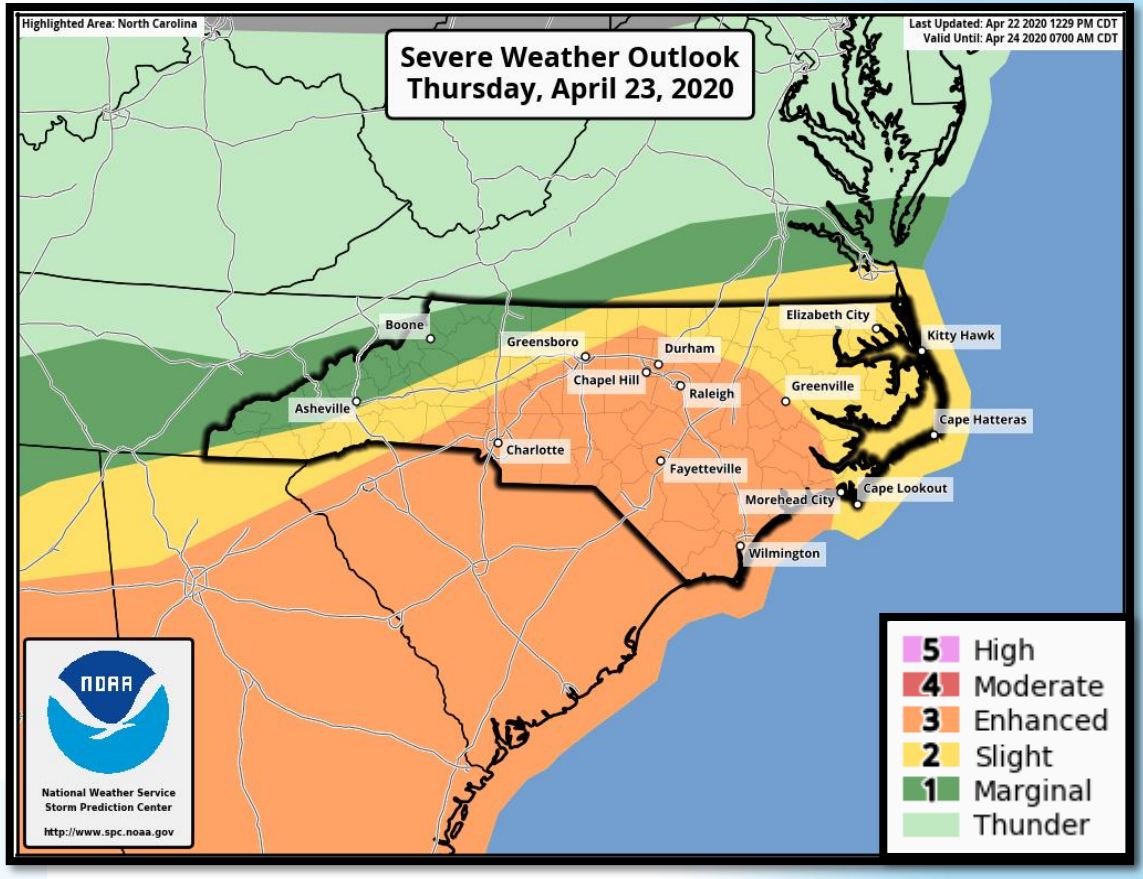
Potential Severe Weather Event

Decision Support Briefing # 1

As of:
430 pm Wednesday, April 22nd



What Has Changed?

✓ *This is the first briefing*

Main Points

Hazard	Impacts	Location	Timing
Damaging Thunderstorm Wind Gusts	Localized downed trees and powerlines, and isolated structural damage associated with the strongest storms.	All of eastern North Carolina	Thursday evening through Friday morning.
Tornadoes	Localized areas of enhanced damage with significant damage to structures and infrastructure.	All of eastern North Carolina	Thursday evening through Friday morning.
Strong Sustained Winds	Strong southerly winds could lead to minor wind damage and power outages along the coast.	Coastal North Carolina	Thursday afternoon through Friday morning.
Coastal Flooding/ High Surf	Minor inundation of very low lying areas. Minor beach erosion for beaches south of Cape Hatteras.	Beaches south of Cape Hatteras and soundside OBX north of Buxton to Roanoke Island.	Thursday evening through Friday afternoon.
Marine	Very strong winds and dangerous seas. Conditions will be hazardous to all mariners.	All marine areas around eastern North Carolina.	Thursday afternoon through Friday afternoon.

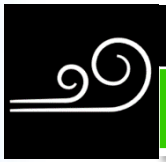
Summary of Greatest Impacts

Damaging Thunderstorm Wind Gusts: All of Eastern NC

None	Limited	Elevated	Significant	Extreme

Tornadoes: All of Eastern NC

None	Limited	Elevated	Significant	Extreme

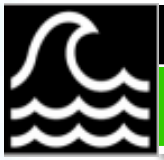


Strong Sustained Winds: Coastal NC

None	Limited	Elevated	Significant	Extreme

Coastal Flooding: Coastal NC

None	Limited	Elevated	Significant	Extreme



Marine: All Marine Areas

None	Limited	Elevated	Significant	Extreme

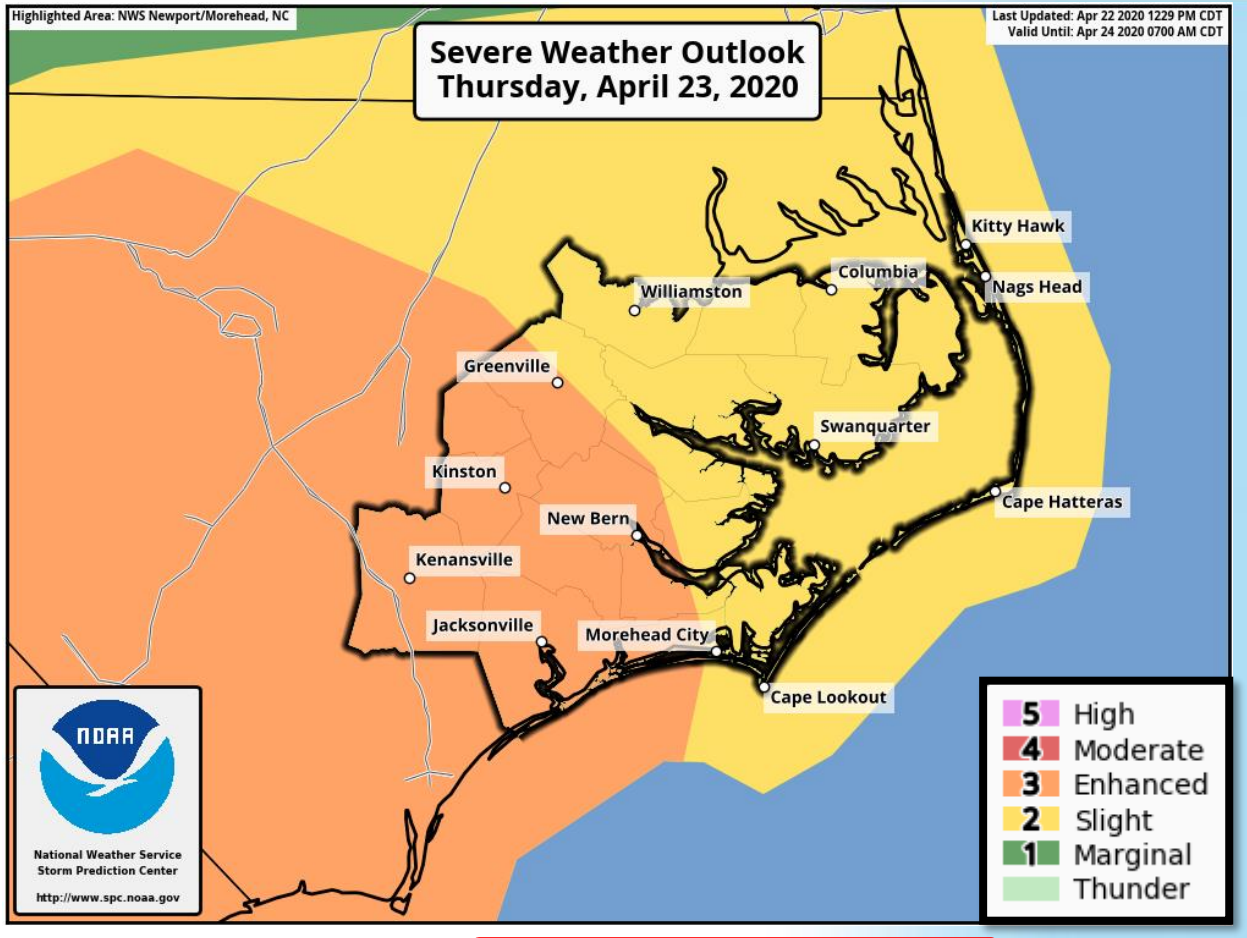
*****Enhanced Risk for areas in Orange (3/5 on Severe Weather Threat Scale)*****

Timing:

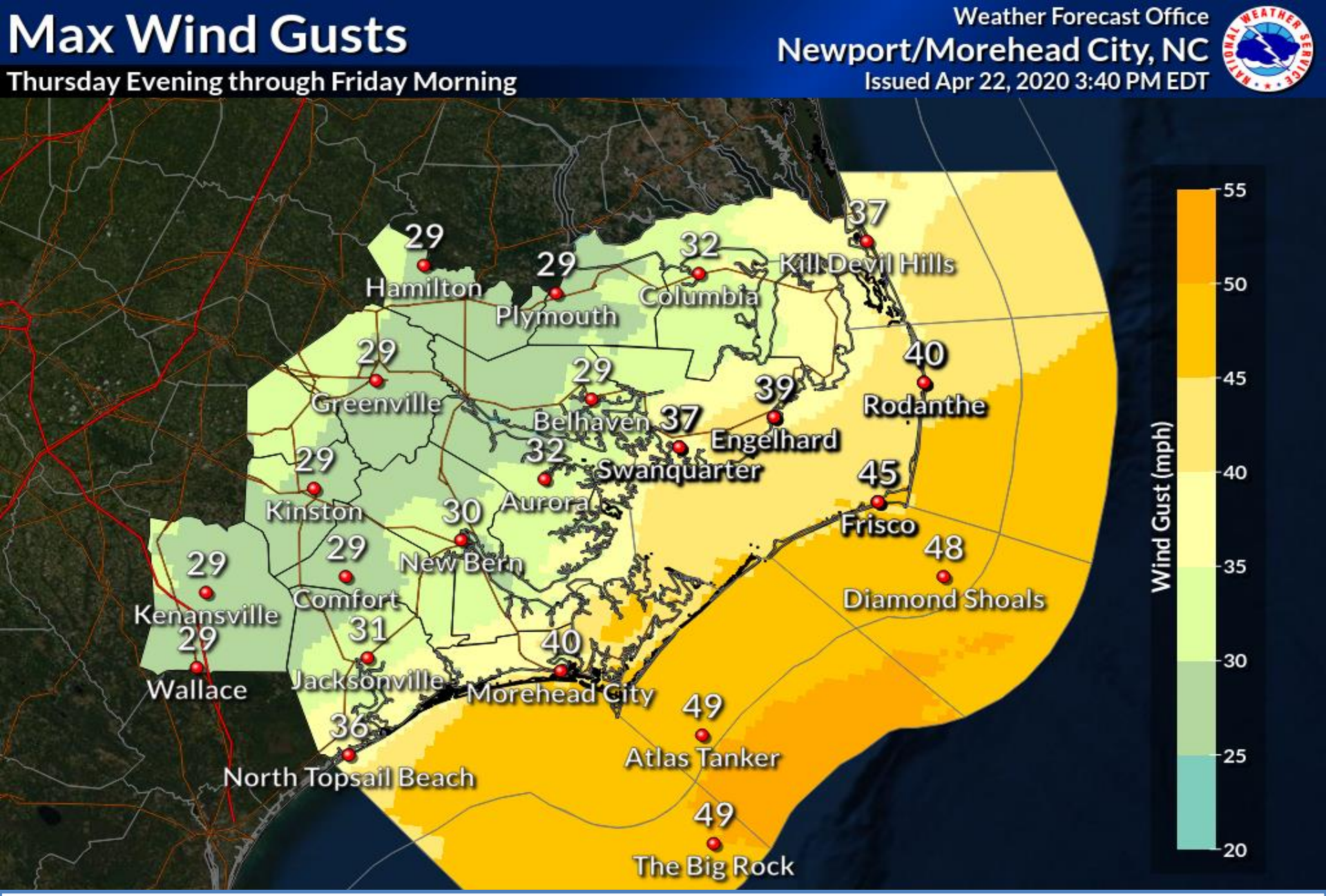
- ✓ Thursday evening through Friday morning

Impacts:

- ✓ **Strong, damaging winds** in thunderstorms could lead to structural issues, trees down/uprooted, and power outages.
- ✓ **Tornadoes possible**, resulting in areas of enhanced damage.
- ✓ **Large Hail** in the strongest storms.



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

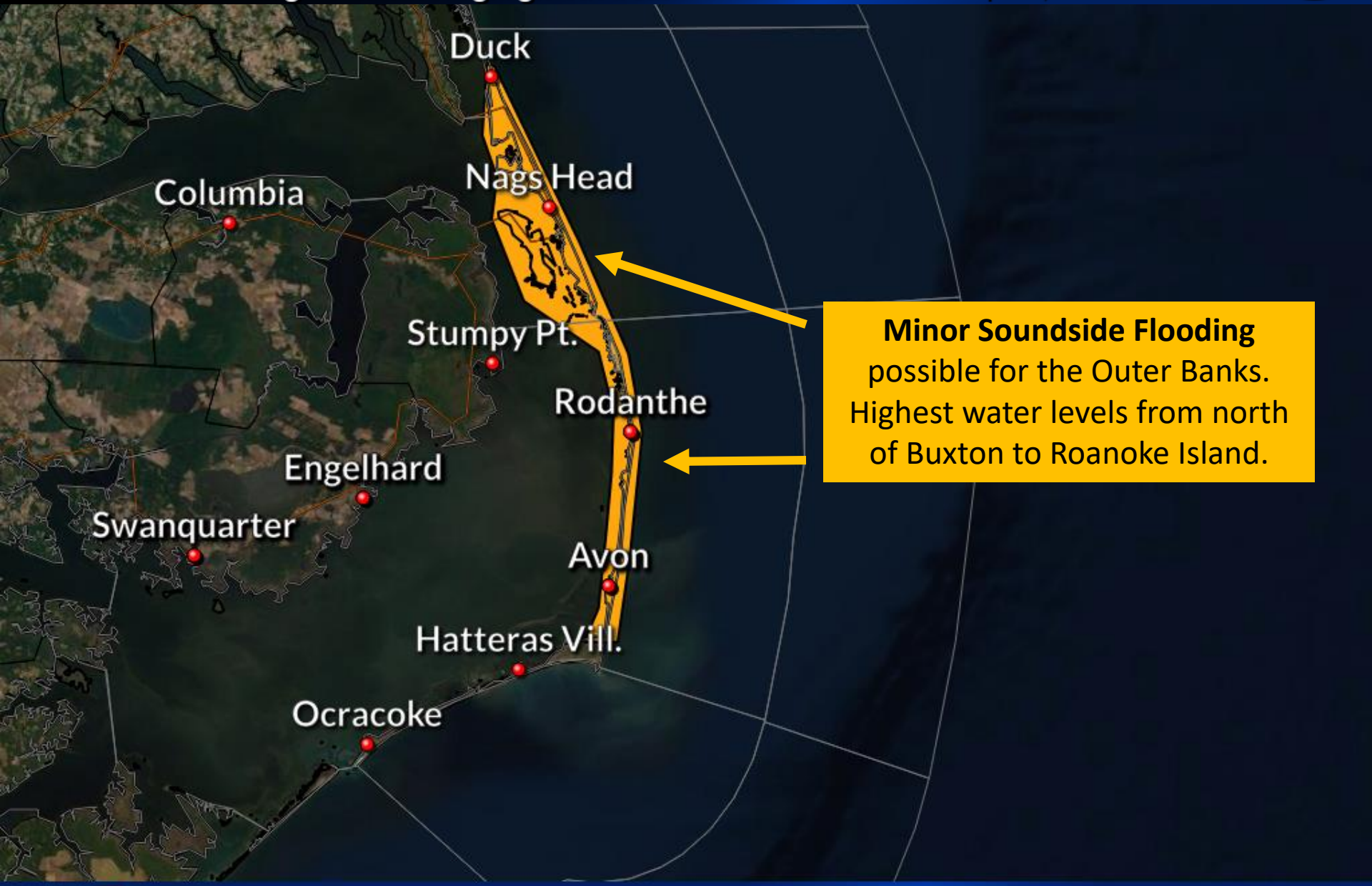


Wind Advisory issued all of Eastern NC coast.
Gale Warnings issued for all area coastal waters and Pamlico Sound.

Coastal Flooding

Minor Coastal Flooding Possible in Highlighted Areas

Weather Forecast Office
Newport/Morehead City, NC
Issued Apr 22, 2020 3:42 PM EDT



Beach Erosion and High Surf

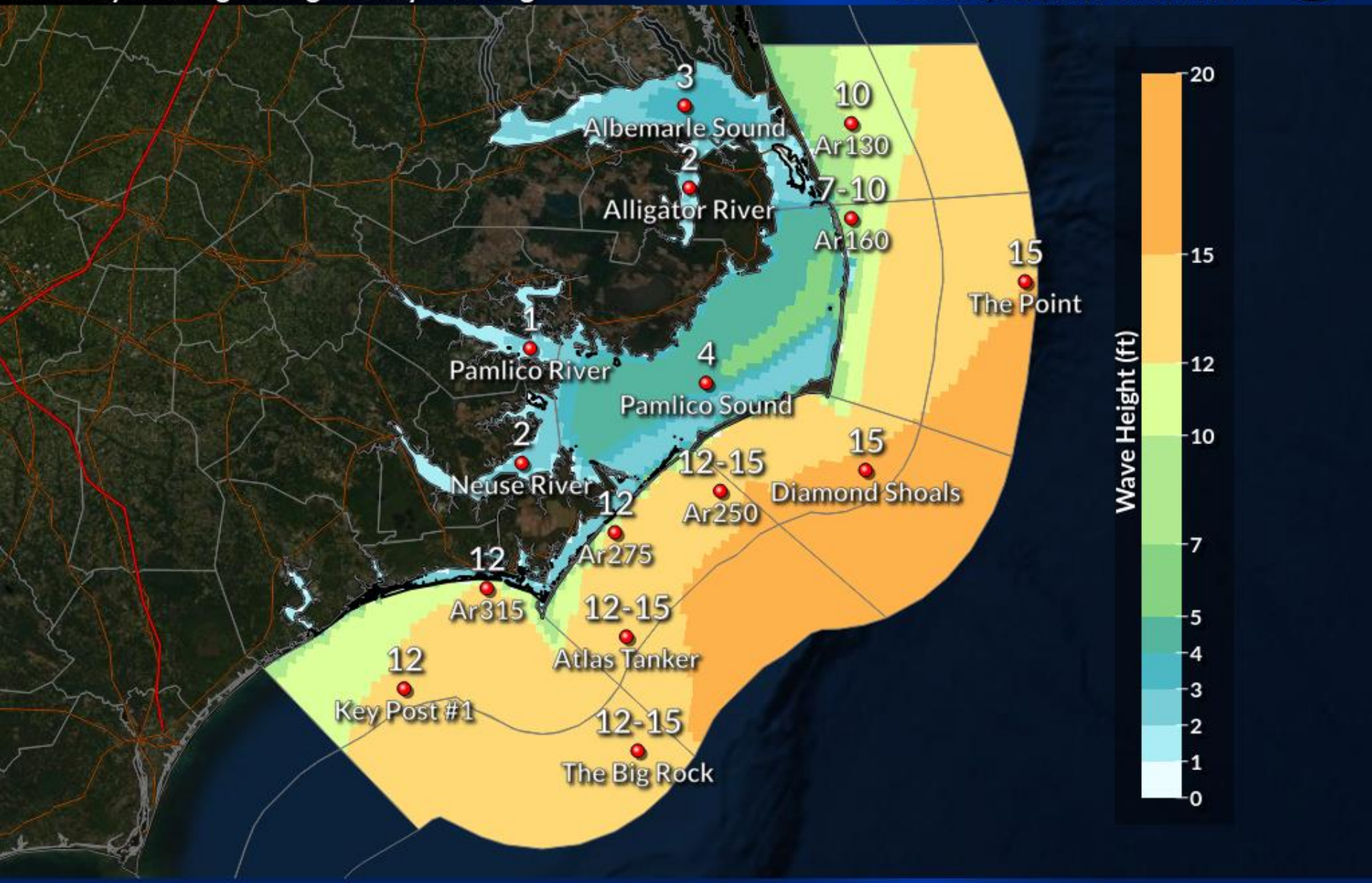
Minor Beach Erosion and High Surf Conditions Possible

Weather Forecast Office
Newport/Morehead City, NC
Issued Apr 22, 2020 3:43 PM EDT

Max Wave Heights

Thursday Evening through Friday Morning

Weather Forecast Office
Newport/Morehead City, NC
Issued Apr 22, 2020 3:46 PM EDT



Event Summary

Severe Weather Possible Thursday Evening through Friday Afternoon

- ✓ There remains a fair bit of uncertainty regarding the extent/coverage of severe storms in Eastern NC, as well as the exact timing.
- ✓ Period of greatest impact: Thursday Evening through Friday Morning

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

Tornadoes possible, resulting in areas of enhanced damage.

Large hail possible.

Coastal flooding possible soundside OBX from north of Buxton to Roanoke Island. Large/powerful surf and beach erosion possible south of Cape Hatteras.

Contact and Next Briefing Information

Next Briefing

When: *By 7 am on 4/23/2020*

Method: *E-mail*

Briefing Webpage

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Disclaimer: *The information contained within this briefing is time-sensitive, do not use after 7 am April 23rd*