



Severe Weather Briefing

For Eastern North Carolina

March 5, 2025
7:59 AM

Decision Support Briefing #4

Important Updates

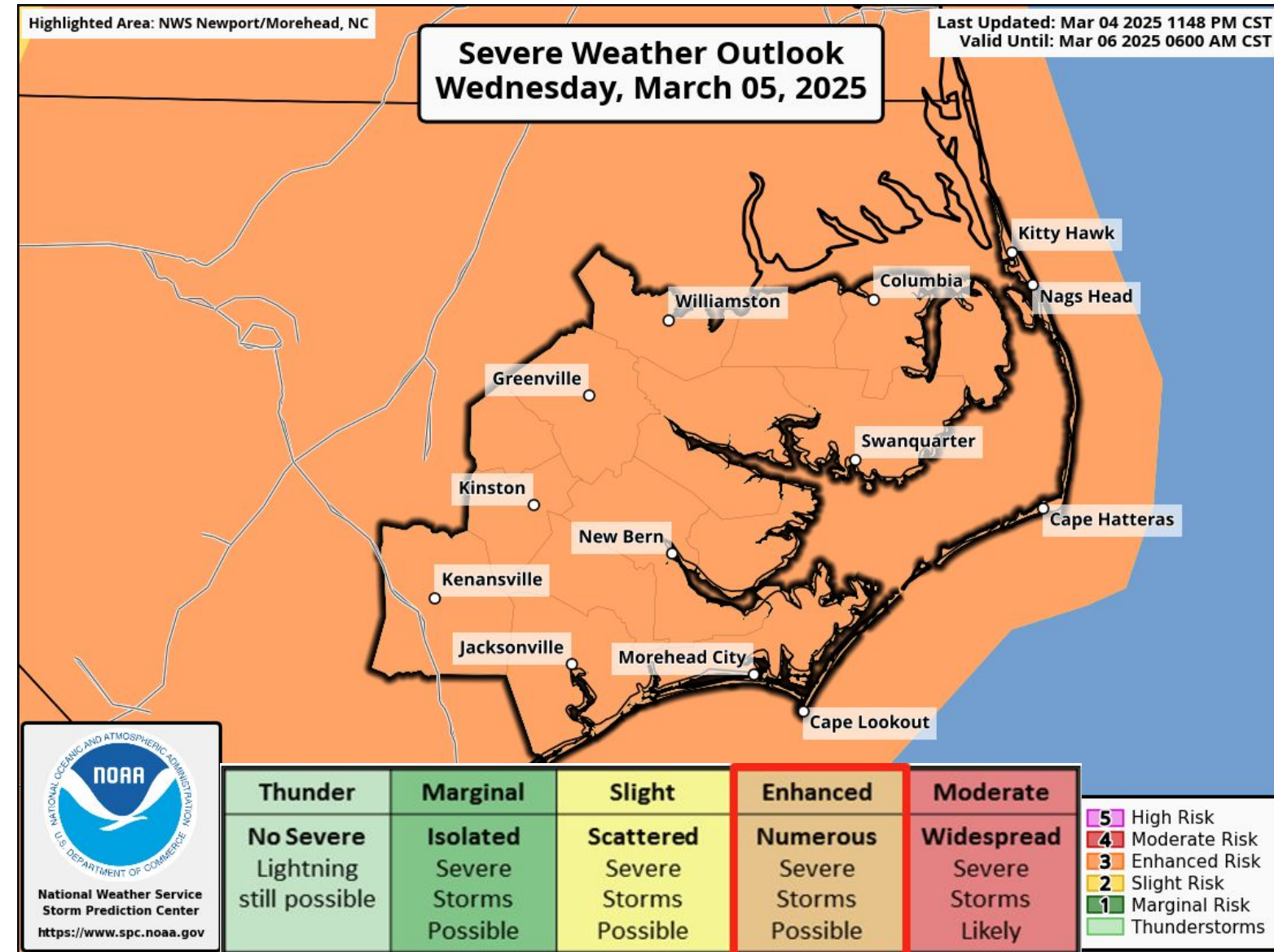


Timing of severe weather **has been refined**

Severe wind gusts and tornado threat **remains unchanged**

Expected wind strength behind the front on Thursday has **increased**. Monitoring for minor coastal flooding impacts to sound-side Outer Banks tomorrow night.

Tornado Watch Issued for Portions of Eastern North Carolina





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Tornado Watch Issued for Portions of the Carolinas

- Current Tornado Watch for region highlighted in yellow until 1PM
- Tornado Watch likely to expand further east later this morning


Tornado Watch

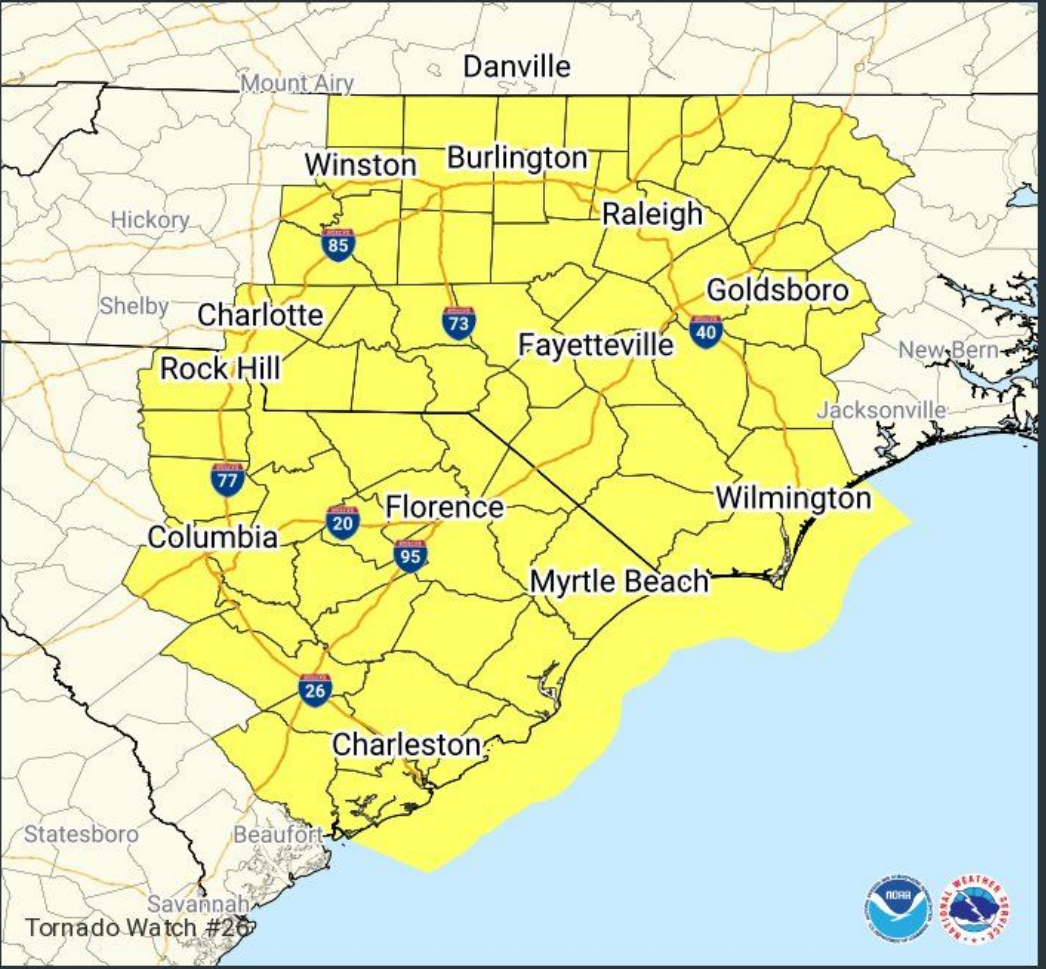
Valid Until
1:00 PM EST Wednesday
March 5, 2025



Threat Information

-  **TORNADOES**
A Couple Tornadoes Possible
-  **HAIL**
Isolated Hail Up To Half Inch Size Possible
-  **WIND**
Scattered Gusts Up To 70 MPH Likely

Potential Exposure

-  Population: 10,726,871
Schools: 2513
Hospitals: 170



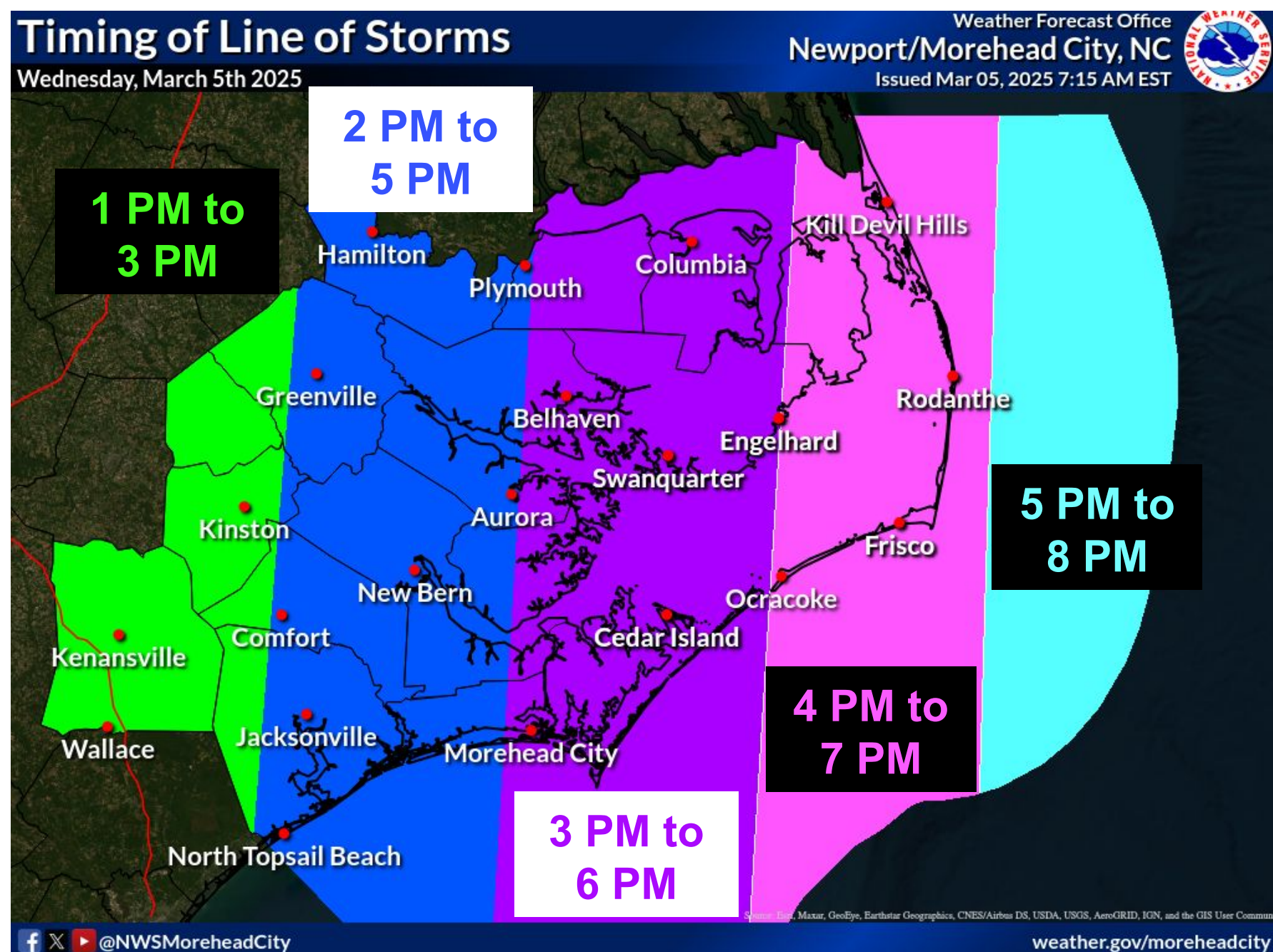




Severe Thunderstorms Wednesday

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- **Damaging winds** - Thunderstorms and heavy showers have the potential to produce wind gusts in excess of 60 mph.
- **A Couple Tornadoes** - A couple brief tornadoes could be embedded within a line of thunderstorms moving west to east.
- **Marine Thunderstorms** - There will be a risk of waterspouts and strong wind gusts.

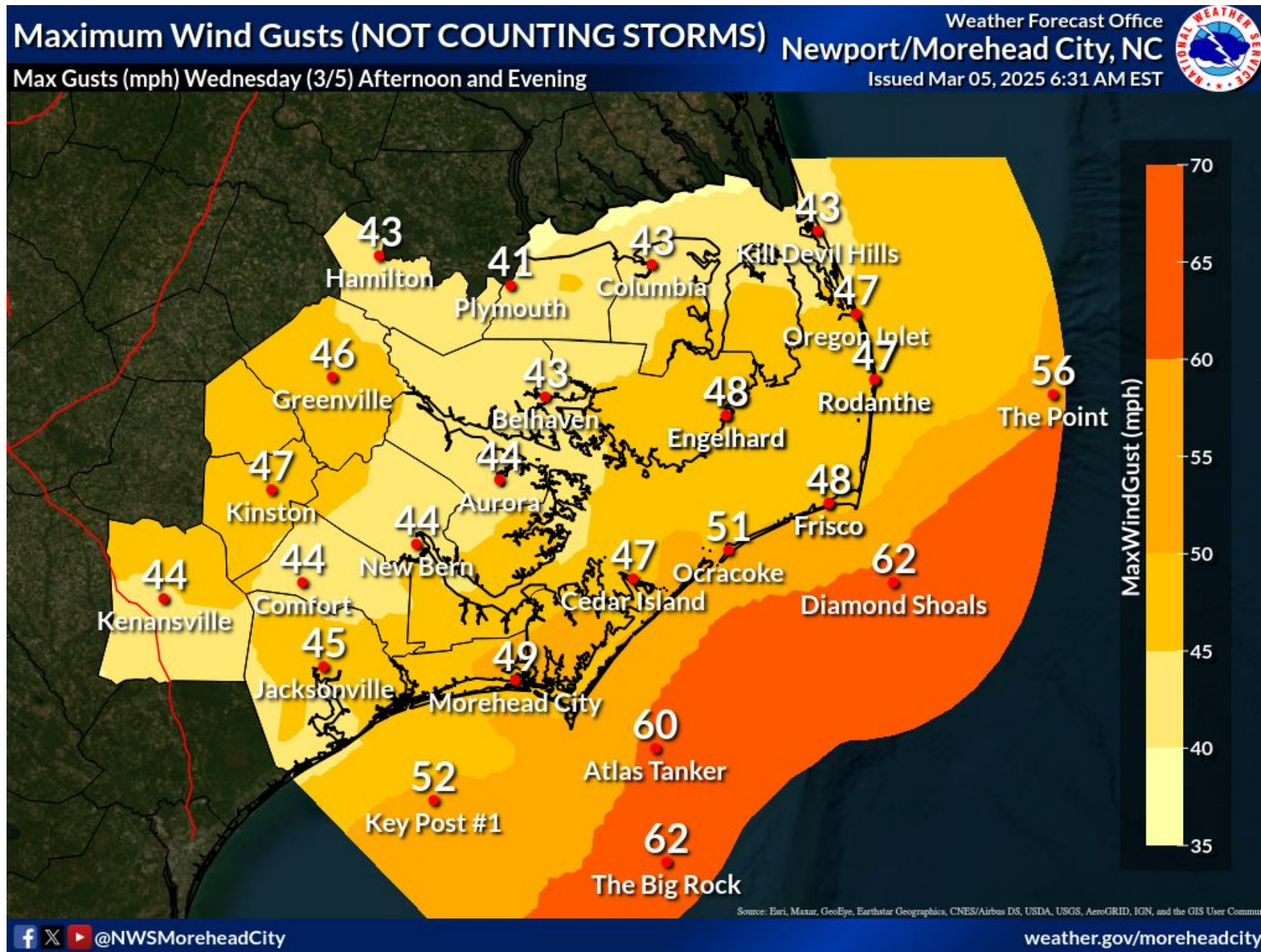




Strong Wind Potential

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- Strong winds from the south increase through Wednesday morning, peaking in the afternoon
- Can lead to tree damage, power outages, hazardous travel on bridges or for large vehicles
- Winds weaken behind the line of thunderstorms

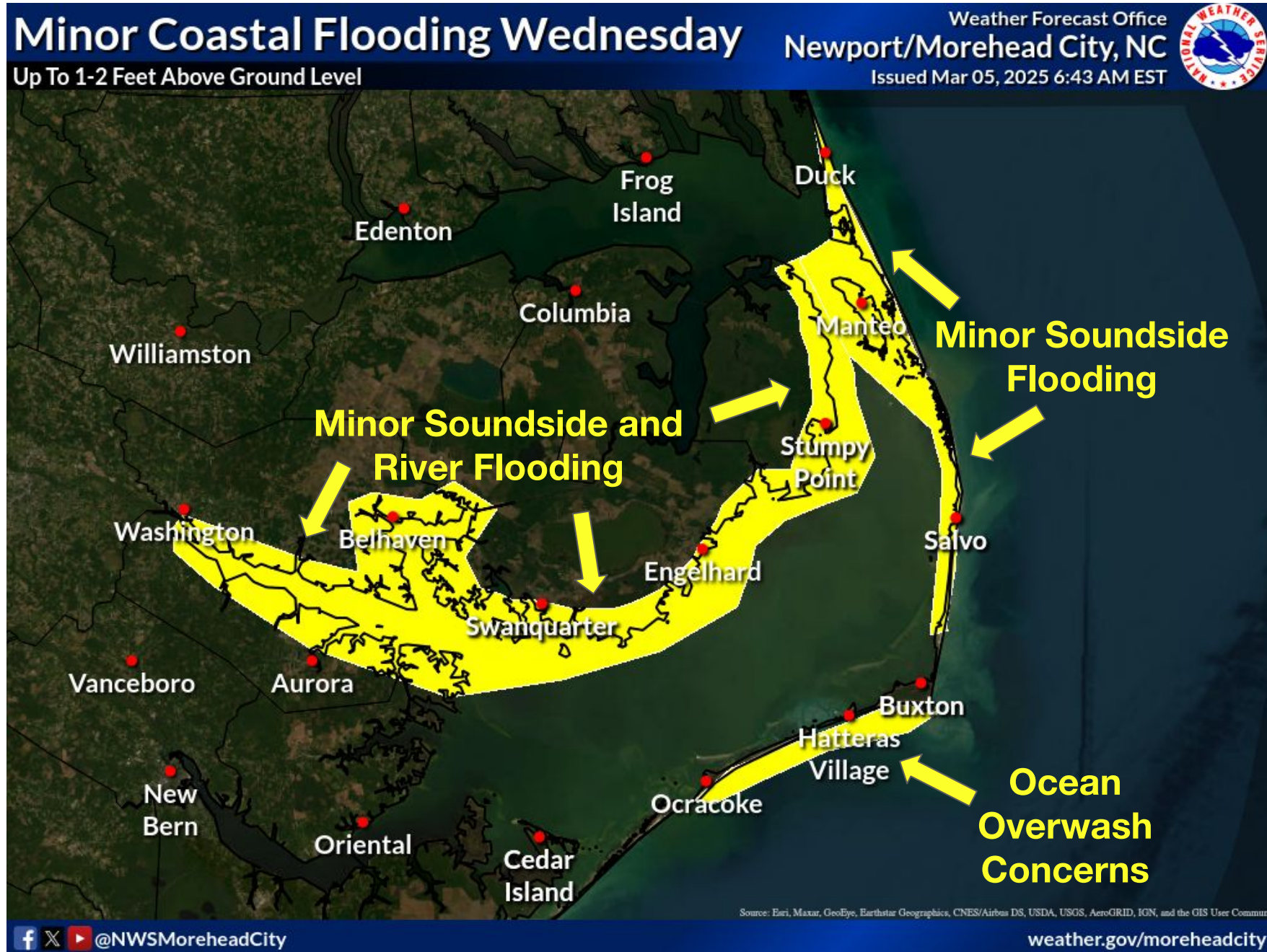




Coastal Flooding

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- Minor soundside coastal flooding (**1 to 2 feet above ground level**) from late this morning into this evening with prolonged strong southerly winds
- South and southeast facing beaches with vulnerable dune structures could see oceanside overwash





Coastal Flooding Potential Thursday

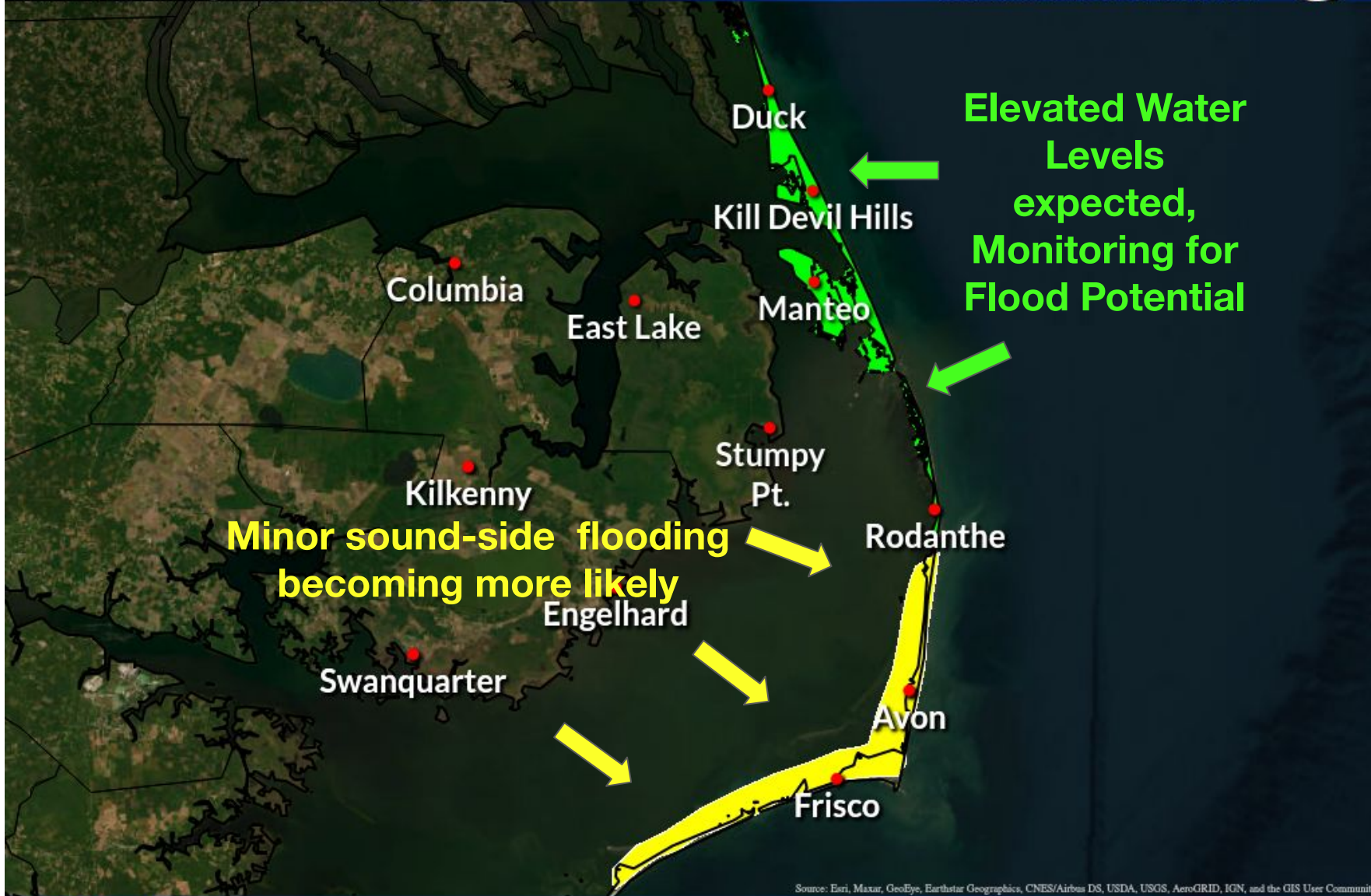
March 5, 2025
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For Eastern North Carolina

Watching For Elevated Water Levels

Around Time of High Tide Thursday Night

Weather Forecast Office
Newport/Morehead City, NC
Issued Mar 05, 2025 7:17 AM EST



@NWSMoreheadCity

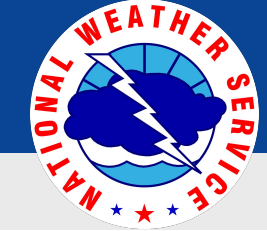
weather.gov/moreheadcity

- West to Northwesterly winds strengthen Thursday which will lead to elevated water levels late Thursday.
- Greater potential for sound-side flooding on Ocracoke and Hatteras Islands
- NOBX and Roanoke - worth watching, but have lower probability of seeing flooding



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Newport/Morehead City, NC



Hazardous Marine Conditions

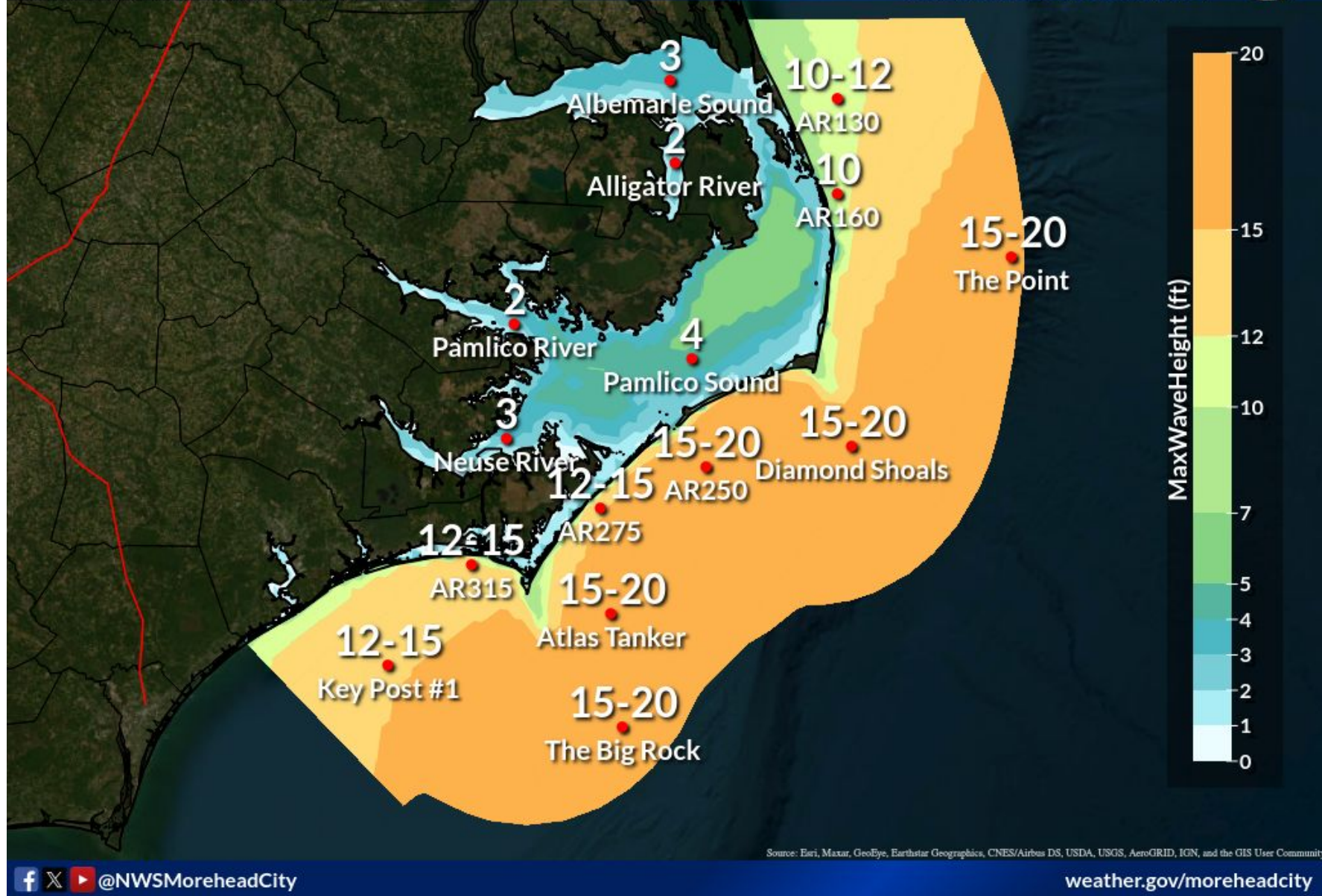
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Maximum Wave Heights

Waves Peak Wednesday Evening

Weather Forecast Office
Newport/Morehead City, NC
Issued Mar 05, 2025 6:37 AM EST



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weather.gov/moreheadcity

- Dangerous waves 10-20 ft Wednesday and Thursday
- Waves highest Wednesday afternoon through Wednesday evening
- Localized beach erosion and ocean overwash, especially for vulnerable locations and southern facing beaches.



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Newport/Morehead City, NC



Tornado Safety Infographics

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Know Where to Go When Sheltering from a Tornado



weather.gov/safety/tornado



Have multiple ways to get warnings weather.gov



INTERNET



LOCAL TV
AND RADIO



WIRELESS EMERGENCY ALERTS
AND WEATHER APPS



FROM YOUR FAMILY,
FRIENDS, AND COWORKERS



NOAA
WEATHER
RADIO





Contact and Next Briefing Information

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For National Weather Service Newport / Morehead City



Briefing Webpage

→ weather.gov/media/mhx/LatestBriefing.pdf



Next Briefing

→ This is the **final briefing** for this event



Contact Information

Web

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weather.gov/forecastpoints

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