

Strong Cold Front Saturday

Decision Support Briefing # 5
As of 5 PM Fri, March 31st, 2023





Briefing applies to the
Morehead City/Newport, NC
Area Only



What Has Changed?

- *Wind Advisories and Gale Warnings Expanded to All of Eastern NC*
- *Coastal Flood Advisory Issued for Soundside Flooding*

Main Points

Hazard	Impacts	Location	Timing
Strong Winds 	<p>Gusty winds could blow down any unsecured objects. Tree limbs could be blown down and a few power outages could result.</p>	<p>All of Eastern NC</p>	<p>Saturday through Early Evening.</p>
Severe Storms 	<p>A couple strong or marginally severe storms could bring locally enhanced wind damage. Chance for thunderstorms is 20%</p>	<p>All of Eastern NC</p>	<p>Saturday Afternoon</p>
Coastal Flooding 	<p>1-2 ft of inundation of low lying roads, parking lots, and properties.</p>	<p>Soundside Outer Banks north of Avon to Kill Devil Hills.</p>	<p>Saturday Afternoon through Saturday Night</p>
Marine 	<p>Dangerous seas and strong, Gale Force winds.</p>	<p>All coastal waters, sounds, and rivers.</p>	<p>Through Saturday night</p>

Summary of Greatest Impacts



Strong/Gusty Winds: All of ENC



Severe Storms: All of ENC, 20% Chance



Coastal Impacts: Soundside N Outer Banks



Dangerous Marine Conditions: All Waterways

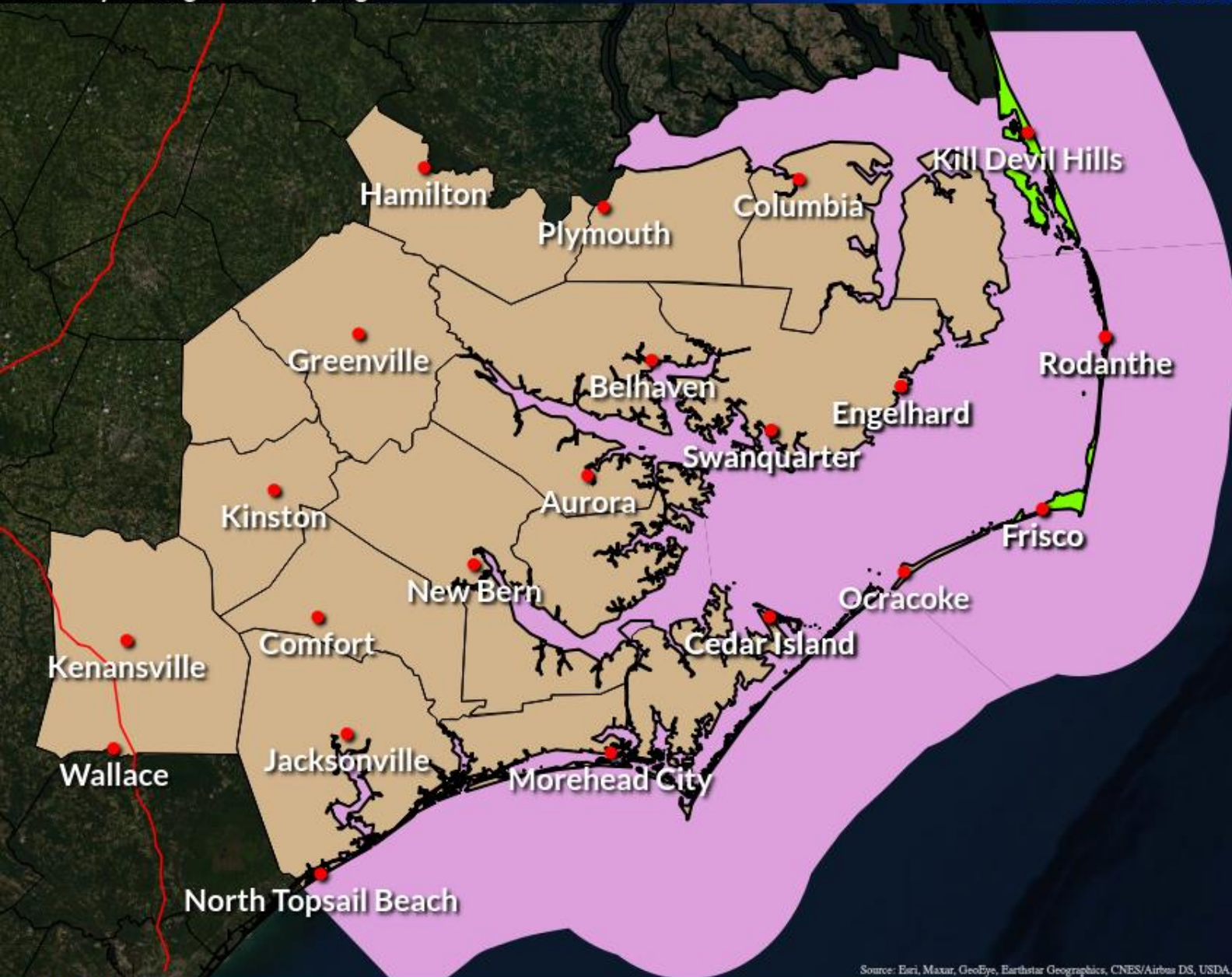


Current Warnings and Advisories

Saturday through Saturday Night

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 31, 2023 4:42 PM EDT



Hazards

Gale Warning

Coastal Flood
Advisory

Wind Advisory

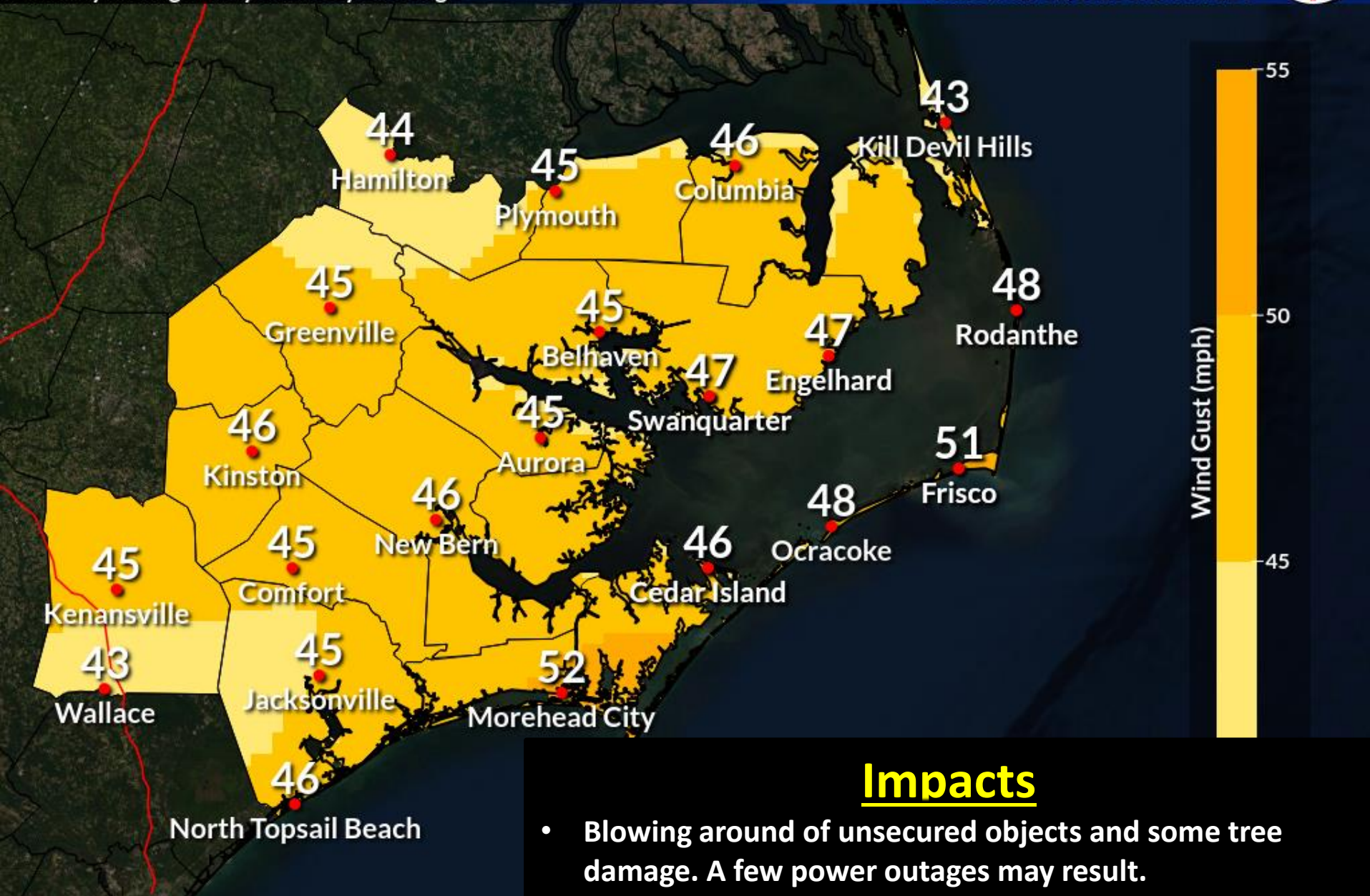
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Wind Gusts

Saturday through Early Saturday Evening

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 31, 2023 5:17 PM EDT



Impacts

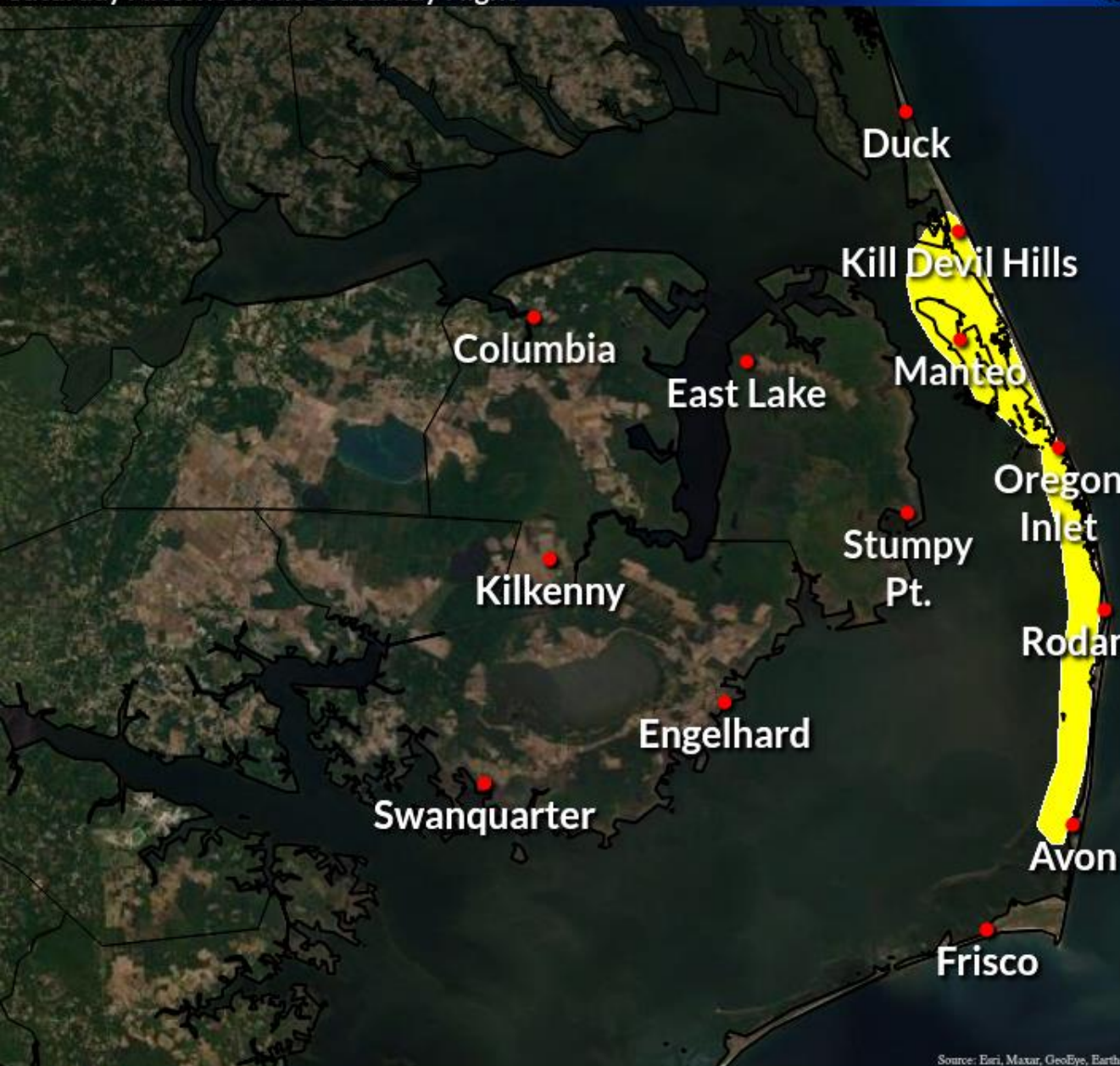
- Blowing around of unsecured objects and some tree damage. A few power outages may result.

Minor Soundside Flooding

Saturday Afternoon into Saturday Night

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 31, 2023 4:04 PM EDT



Soundside Outer Banks from Avon to Kill Devil Hills, Roanoke Island:

- 1-2 ft of inundation above ground level.
- Minor coastal flooding of low lying roads, parking lots, and properties around the northern Pamlico Sound, Roanoke, and Croatan Sounds.

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

Maximum Wave Height

Saturday into Saturday Night

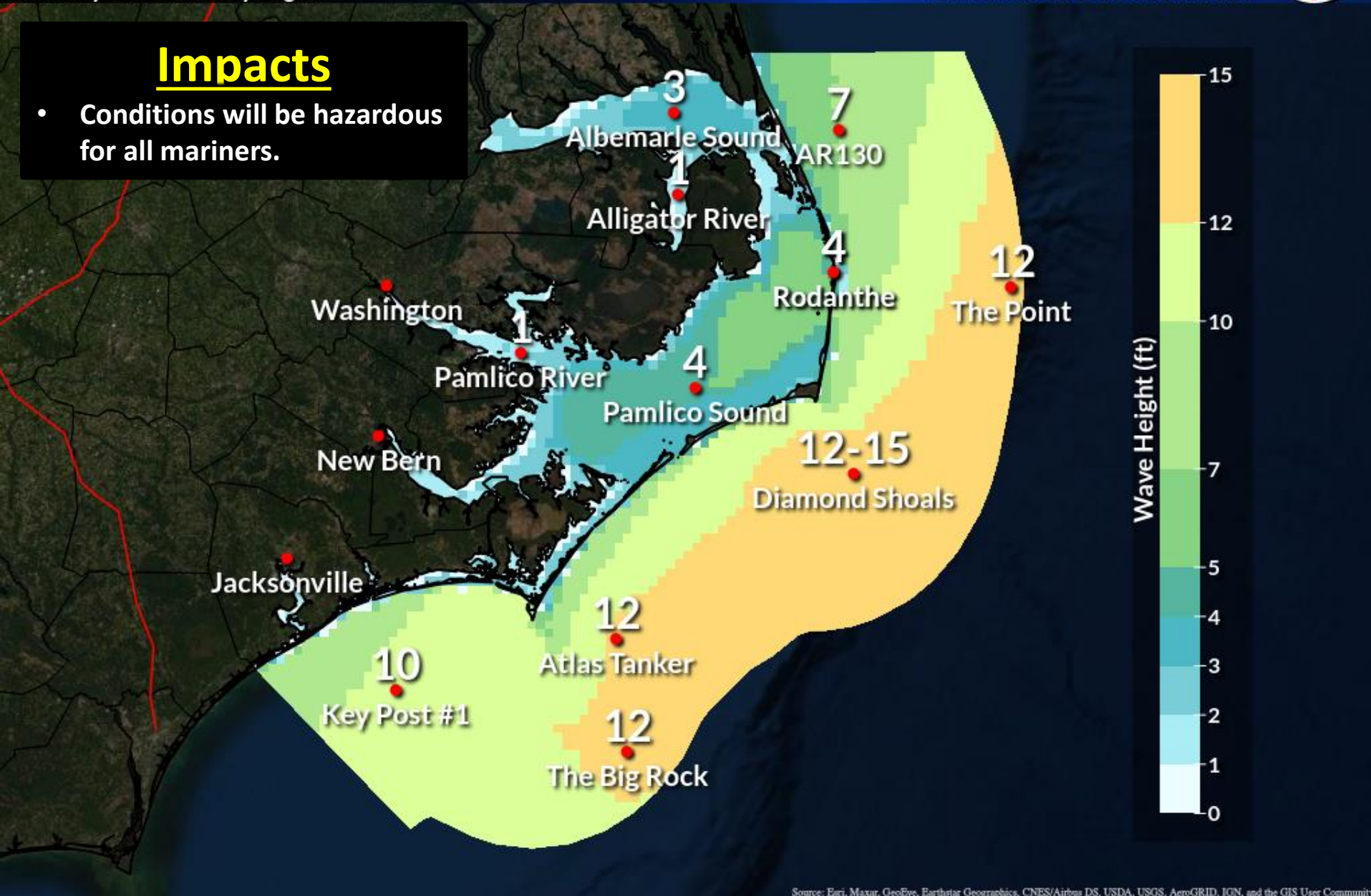
Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 31, 2023 4:21 PM EDT



Impacts

- Conditions will be hazardous for all mariners.



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

Event Summary

- ✓ Confidence is **HIGH** that strong/gusty winds and minor coastal impacts will occur, but **LOW** in the potential for severe weather.



Strong Winds: Gusty winds will blow around unsecured objects and cause some tree damage. A few power outages are possible.



Severe Storms: A few strong to marginally severe storms could bring locally enhanced wind damage. Chance of storms is 20%.



Coastal Impacts: Minor coastal flooding along the northern Pamlico Sound and dangerous surf and beach erosion south of Cape Hatteras expected.



Very Dangerous Marine Conditions: Seas 8-12+ ft and strong Gale Force winds.

Contact and Next Briefing Information



The next briefing will be issued Saturday morning if needed.

[Briefing Webpage](#)



Web:

<http://www.weather.gov/mhx/>



Phone (public):

(252) 223-5737 ext. 6



E-mail:

wxobs.mhx@noaa.gov



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