

Strong Cold Front Saturday

Decision Support Briefing # 4
As of 7 AM Fri, March 31st, 2023





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



What Has Changed?

- ***Wind Advisories and Gale Warnings Issued***
- ***More specifics on coastal impacts detailed***

Main Points

Hazard	Impacts	Location	Timing
Strong Winds 	Gusty winds could blow down any unsecured objects. Tree limbs could be blown down and a few power outages could result.	All of Eastern NC	Saturday from sunrise into the evening.
Severe Weather 	A few stronger to severe storms could bring locally enhanced wind damage.	All of Eastern NC	Saturday late morning through late afternoon
Coastal Flooding/ Large Surf 	<p><i>Minor Coastal Flooding:</i> 1-3 ft of inundation of very low lying roads, parking lots, and properties.</p> <p><i>Large Surf and Beach Erosion:</i> Minor overwash of very vulnerable dunes and very dangerous swim conditions.</p>	<p><i>Minor Coastal Flooding:</i> Areas surrounding the northern Pamlico Sound from Rodanthe northward.</p> <p><i>Large Surf and Beach Erosion:</i> OBX beaches south of Cape Hatteras and the Crystal Coast.</p>	Saturday afternoon through Saturday night
Marine 	Dangerous seas and strong, Gale Force winds.	All coastal waters, sounds, and rivers.	Late Friday night through Saturday night

Summary of Greatest Impacts



Strong/Gusty Winds: All of ENC

None	Limited	Elevated	Significant	Extreme
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Severe Weather: All of ENC

None	Limited	Elevated	Significant	Extreme
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Coastal Impacts: Some Coastal Areas

None	Limited	Elevated	Significant	Extreme
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Dangerous Marine Conditions: All Waterways

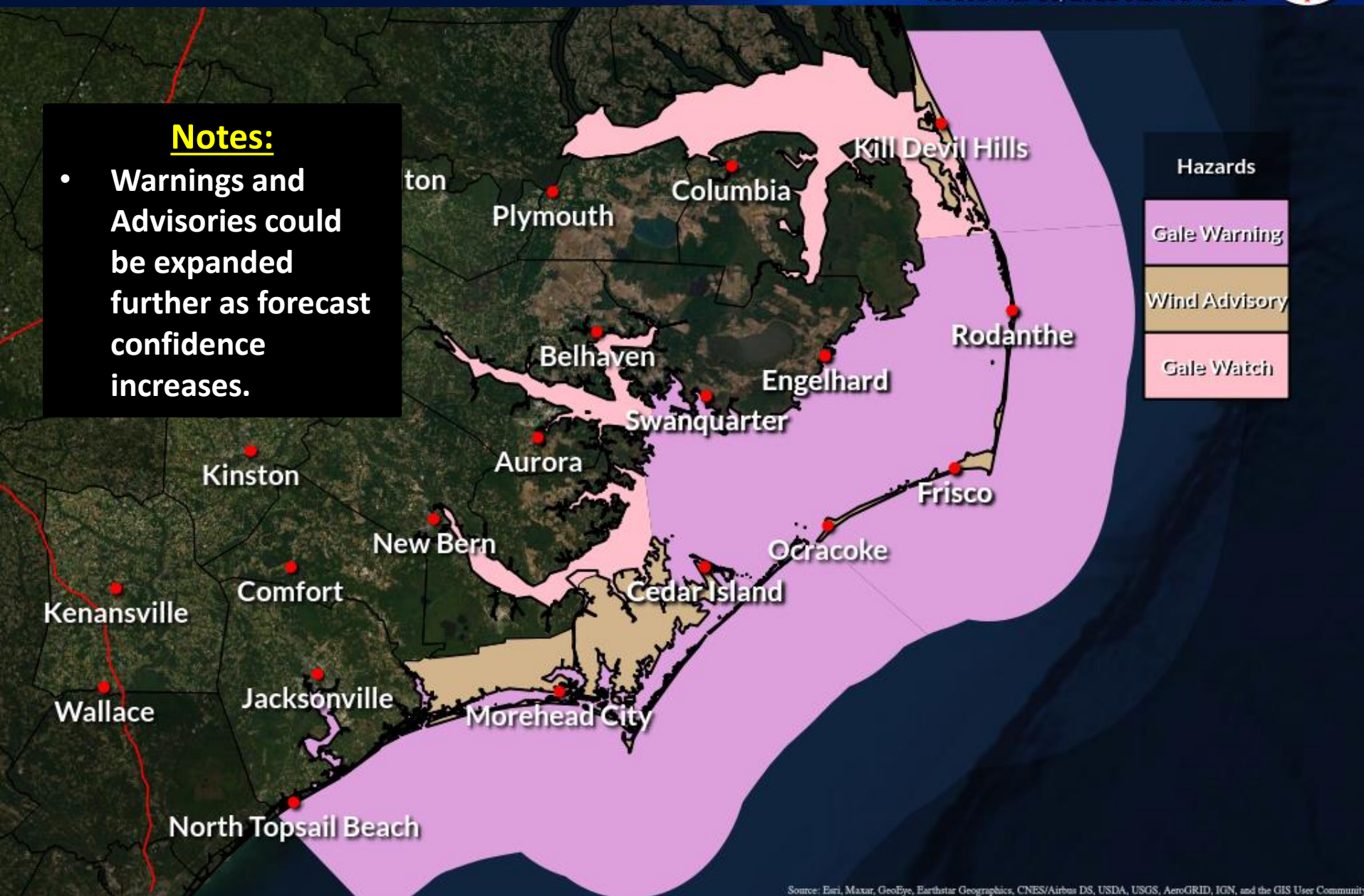
None	Limited	Elevated	Significant	Extreme
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Notes:

- Warnings and Advisories could be expanded further as forecast confidence increases.

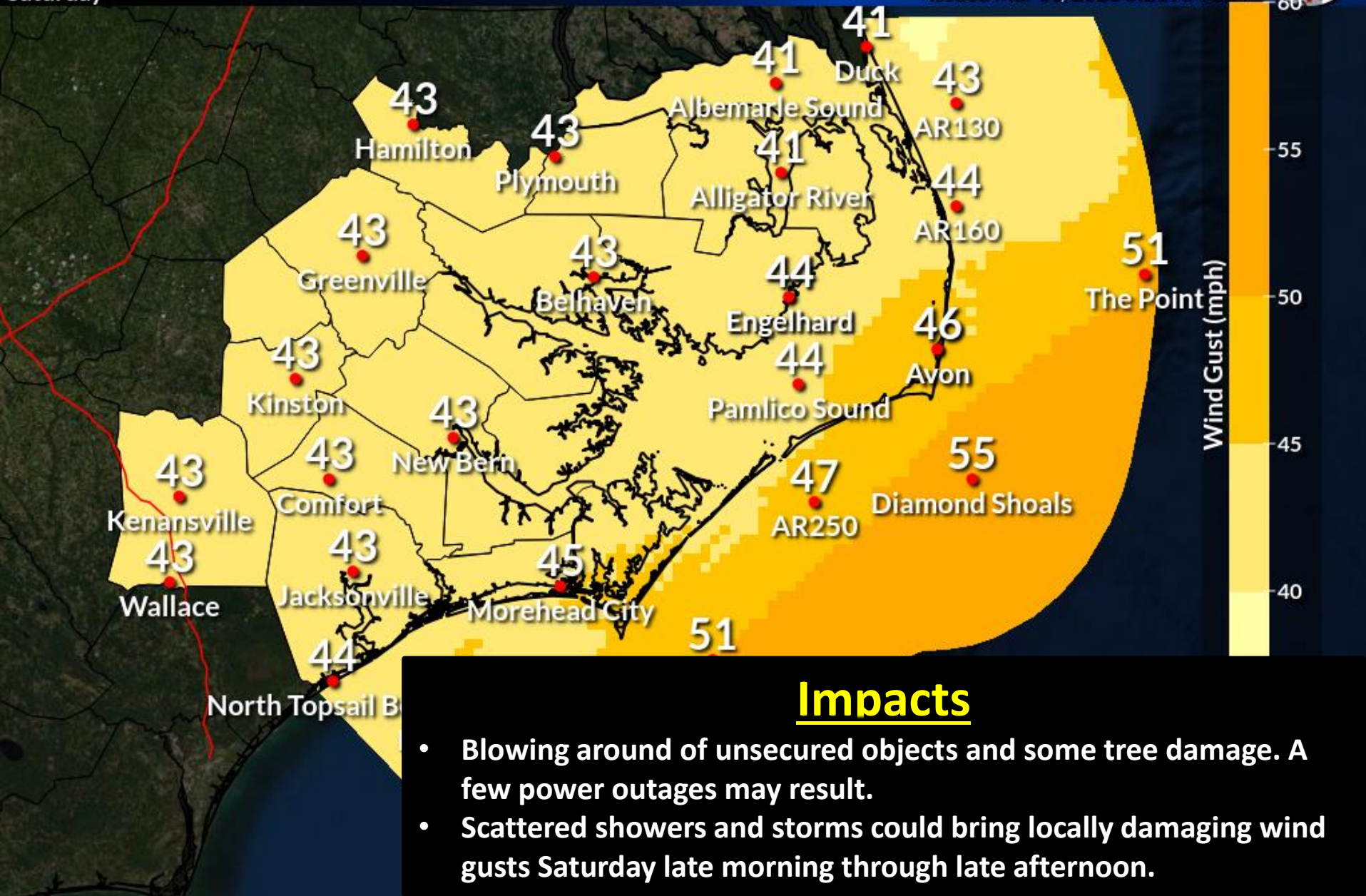


Maximum Wind Gusts

Saturday

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 31, 2023 5:21 AM EDT



Impacts

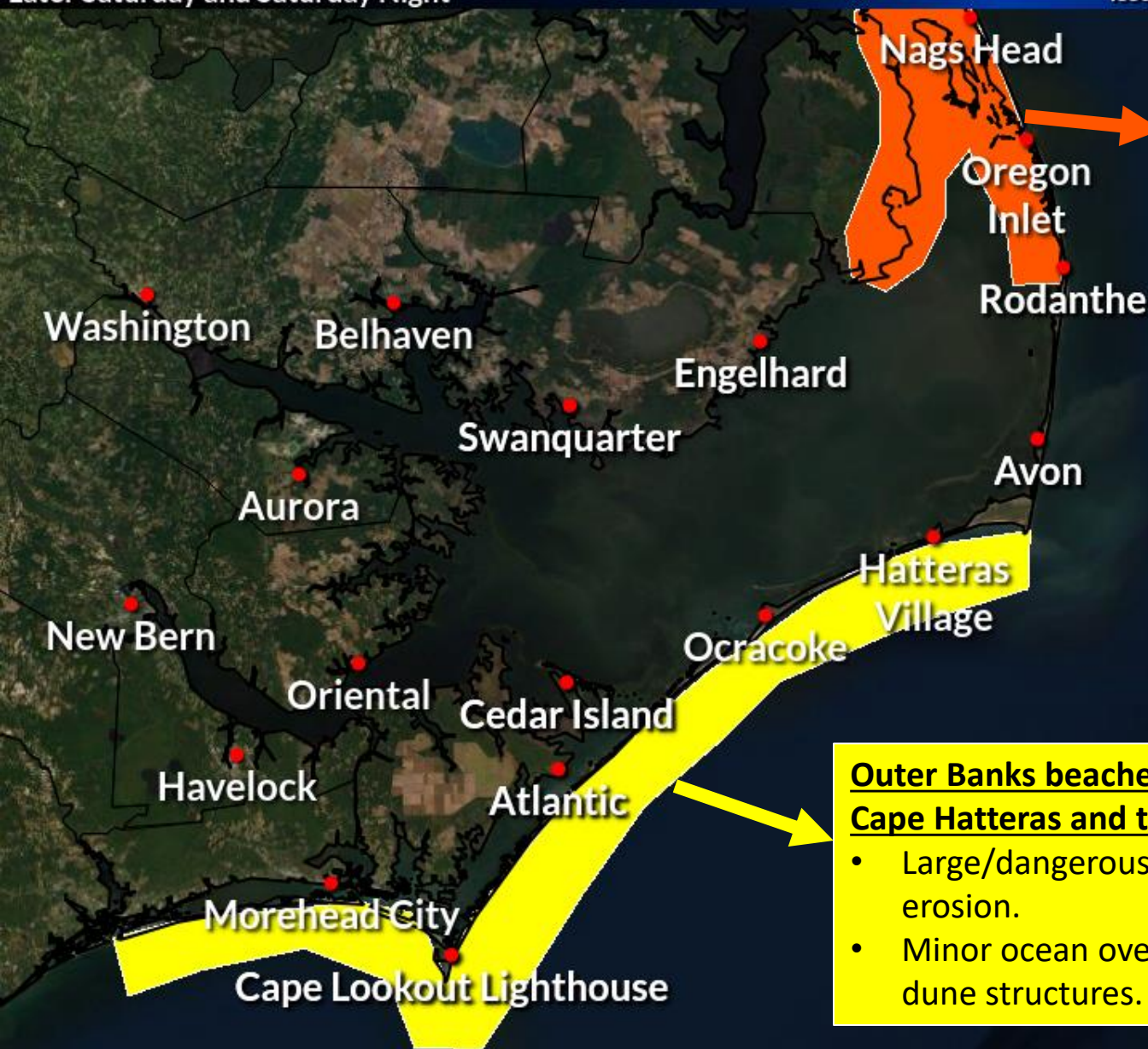
- Blowing around of unsecured objects and some tree damage. A few power outages may result.
- Scattered showers and storms could bring locally damaging wind gusts Saturday late morning through late afternoon.

Coastal Impacts

Later Saturday and Saturday Night

Weather Forecast Office
Newport/Morehead City, NC

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Soundside Outer Banks from Rodanthe to Nags Head, Roanoke Island, and mainland Dare County:

- 1-3 ft of inundation above ground level.
- Minor coastal flooding of very low lying roads, parking lots, and properties around the northern Pamlico Sound.

Outer Banks beaches south of Cape Hatteras and the Crystal Coast:

- Large/dangerous surf and minor beach erosion.
- Minor ocean overwash of very weak dune structures.

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

Maximum Wave Height

Saturday and Saturday Night

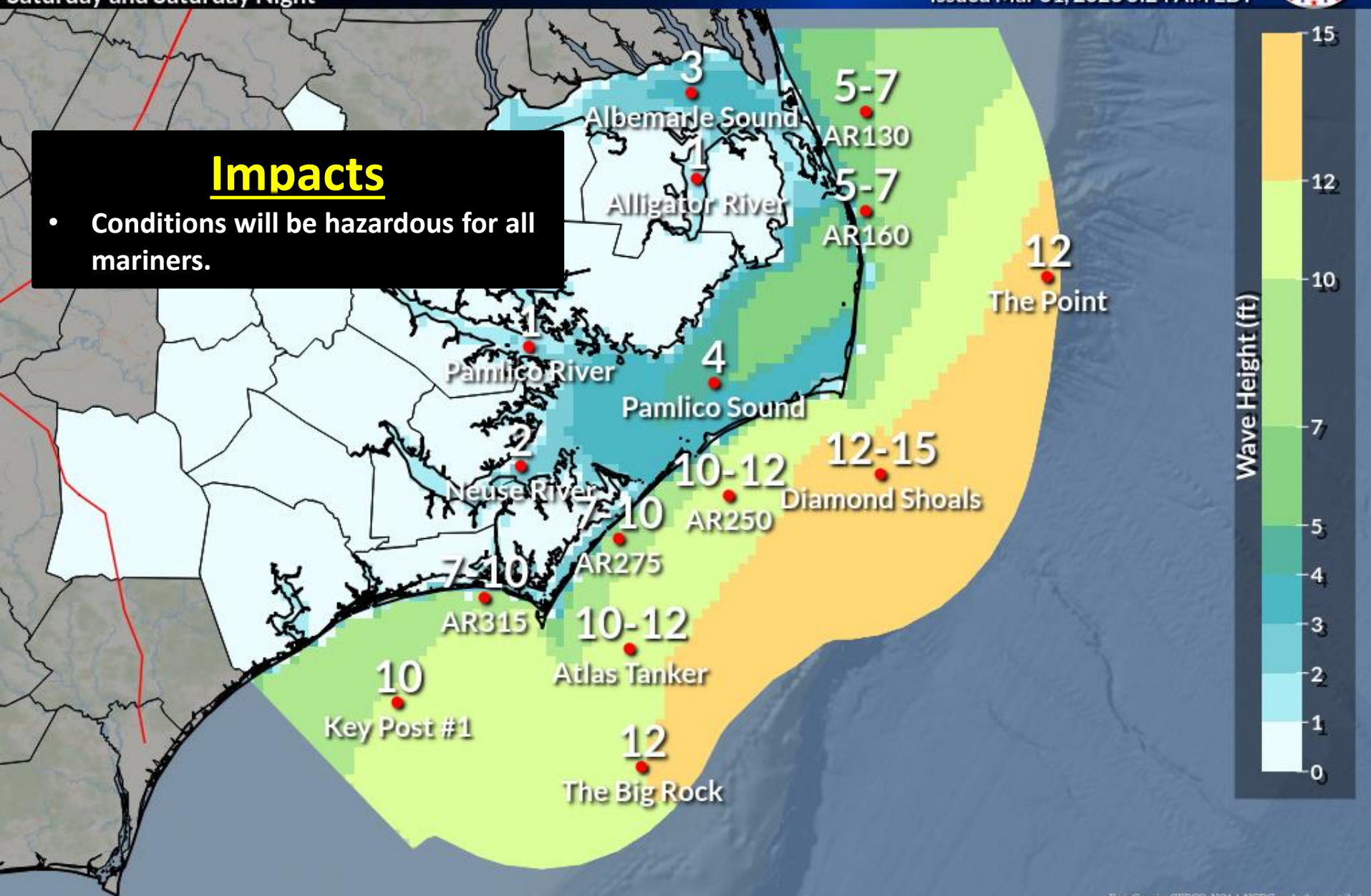
Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 31, 2023 5:24 AM EDT



Impacts

- Conditions will be hazardous for all mariners.



Eri, Garmin, GEBCO, NOAA NGDC, and other contributors

Event Summary

- ✓ Confidence is **HIGH** that strong/gusty winds and minor coastal impacts will occur, but still **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 Weather: A few strong to severe storms could bring locally enhanced wind damage.



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 this afternoon.

[Briefing Webpage](http://www.weather.gov/mhx/)



Web:

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



Phone (public):

(252) 223-5737 ext. 6



E-mail:

wxobs.mhx@noaa.gov



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