

Coastal Low to Impact Eastern NC through Friday

Decision Support Briefing # 3
As of: 4 PM Friday, Mar 27, 2024





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



What Has Changed?

- *This is the first full briefing*

Main Points

Hazard	Impacts	Location	Timing
Wind 	<p>Minor damage to trees, outdoor items, and power lines</p> <p>Isolated power outages possible</p> <p>Hazardous driving conditions for high-profile vehicles</p>	<p>The greatest threat of wind impacts is along the coast</p>	<p>The strongest winds will occur Thursday afternoon through Thursday night</p>
Coastal Flooding 	<p>Minor inundation likely</p> <p>Large surf will bring beach erosion and the potential for significant overwash in vulnerable areas</p>	<p><i>Coastal Flooding</i> – Soundside locations of Ocracoke and Hatteras Islands</p> <p><i>Ocean overwash</i> – Hatteras Island, Northern Outer Banks, Northern Ocracoke Island</p>	<p>Thursday evening through Friday</p>
Heavy Rainfall 	<p>Flash flooding possible</p> <p>Water level rises on streams, rivers, and creeks</p> <p>Ponding of poor drainage and urban areas</p>	<p>All of Eastern NC</p>	<p>Heaviest rainfall will occur from late tonight through early Thursday afternoon</p>
Marine 	<p>Hazardous winds and seas</p>	<p>All Eastern NC coastal waters, rivers, and sounds</p>	<p>The strongest winds will occur Thursday through Friday</p>

Summary of Greatest Impacts



Strong Winds: See Maps to Follow

None

Limited

Elevated

Significant

Extreme



Coastal Flooding: See Maps to Follow

None

Limited

Elevated

Significant

Extreme



Heavy Rainfall: See Maps to Follow

None

Limited

Elevated

Significant

Extreme



Marine: All Marine Areas

None

Limited

Elevated

Significant

Extreme

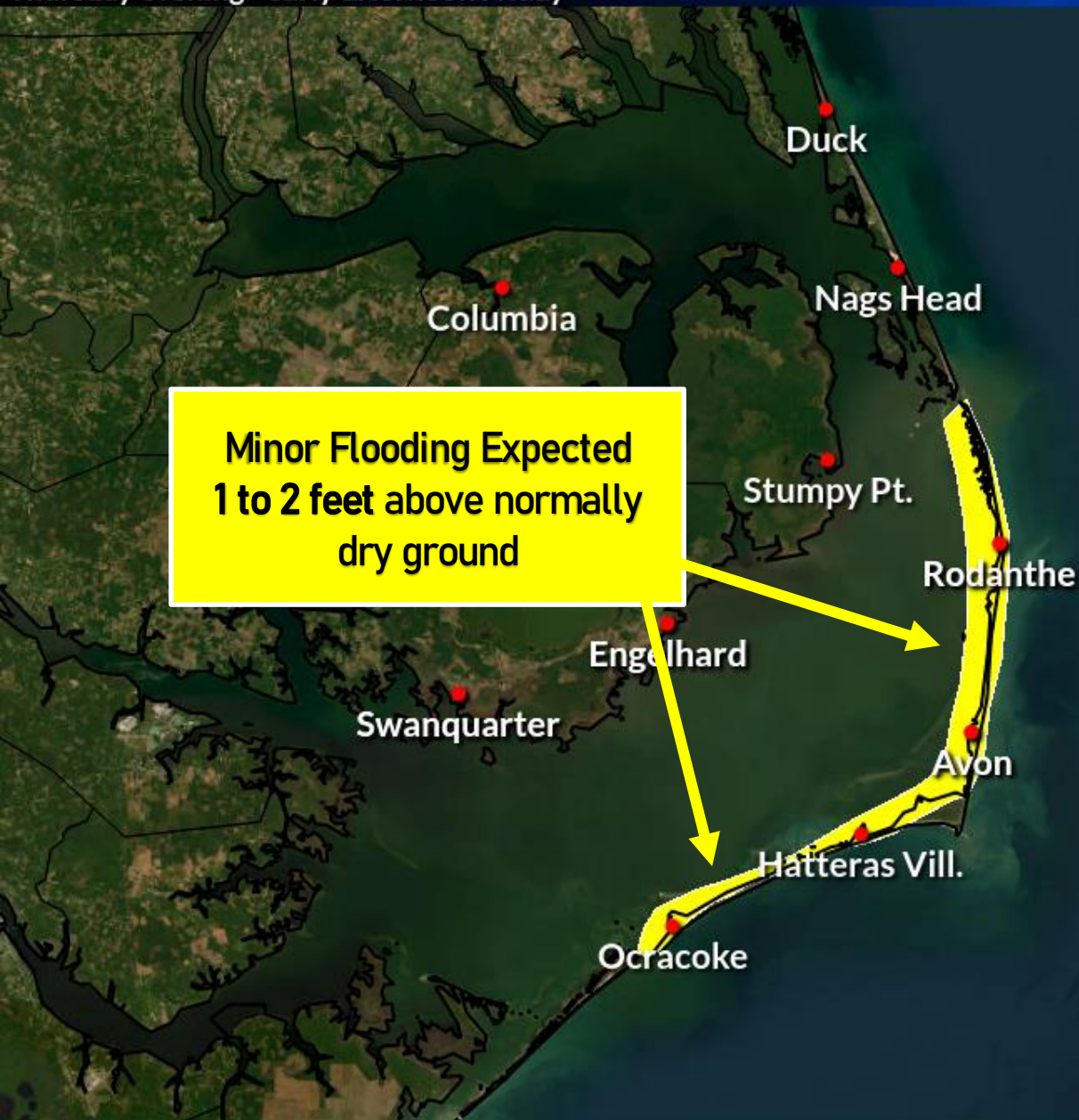


Coastal Flood Potential

Thursday evening - early afternoon Friday

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 27, 2024 3:06 PM EDT

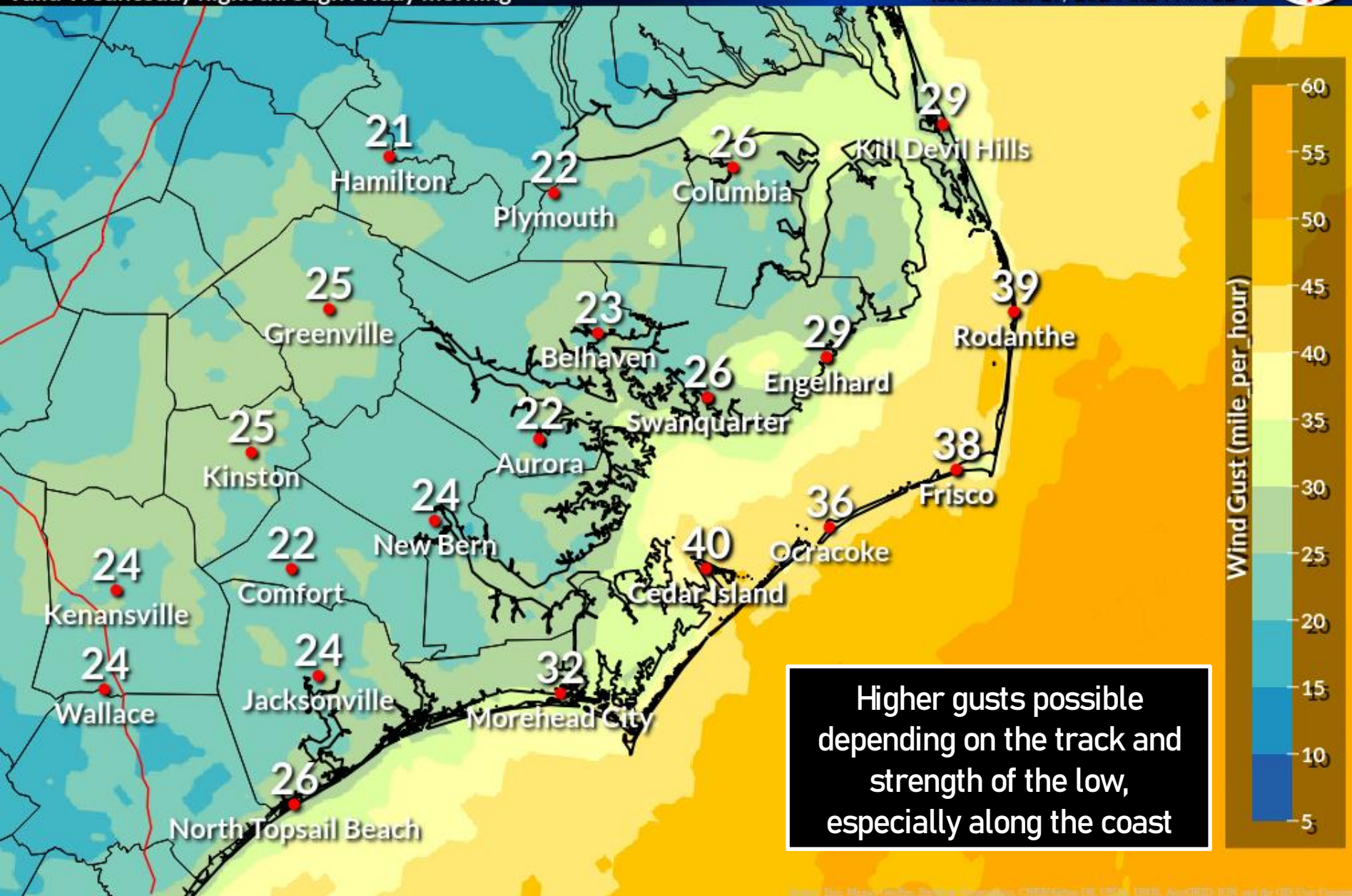


Peak Wind Gusts

Valid Wednesday night through Friday morning

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 27, 2024 3:24 PM EDT

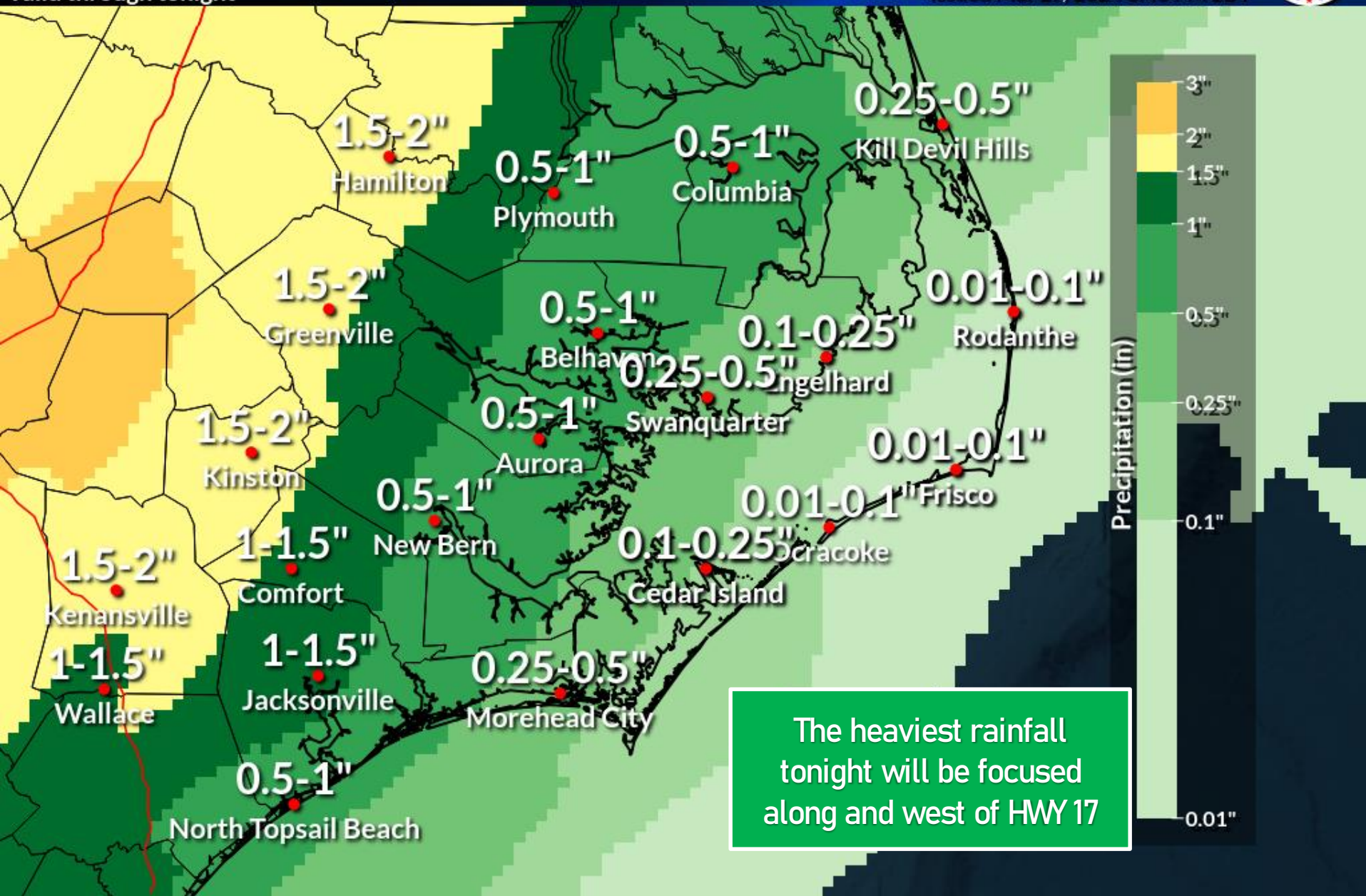


Rainfall Forecast

Valid through tonight

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 27, 2024 3:40 PM EDT



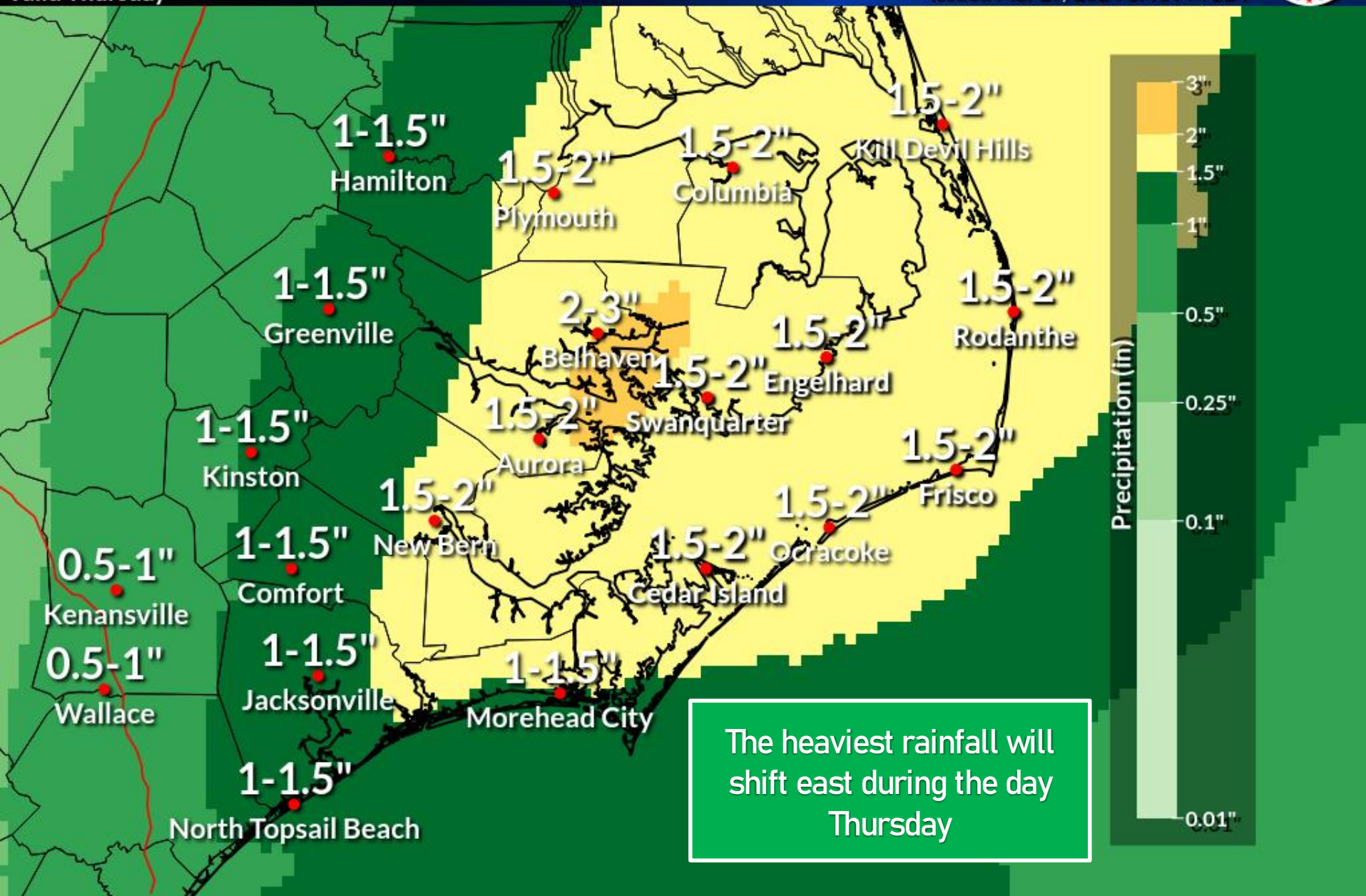
The heaviest rainfall tonight will be focused along and west of HWY 17

Rainfall Forecast

Valid Thursday

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 27, 2024 3:41 PM EDT

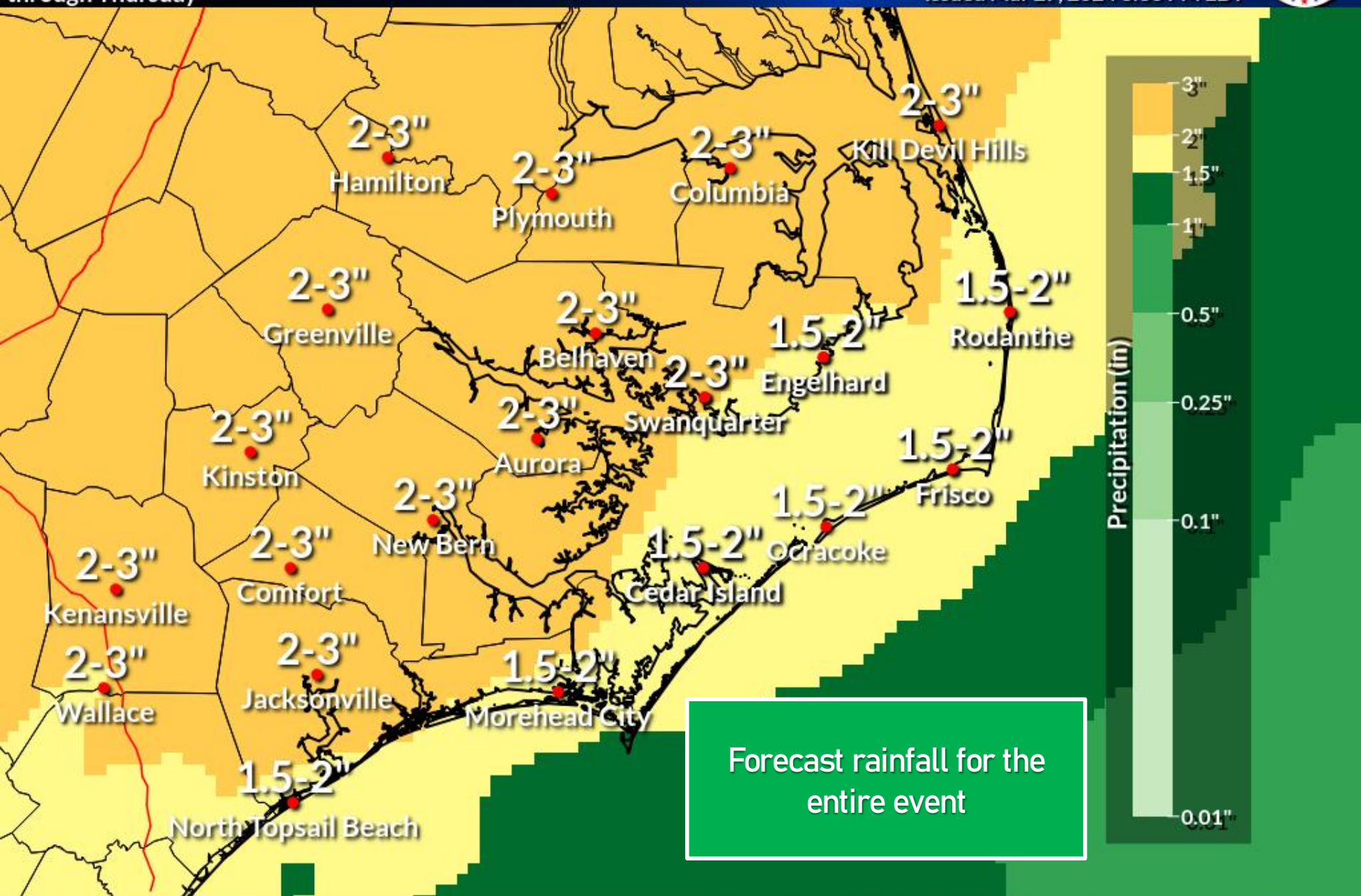


Rainfall Forecast

through Thursday

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 27, 2024 3:36 PM EDT

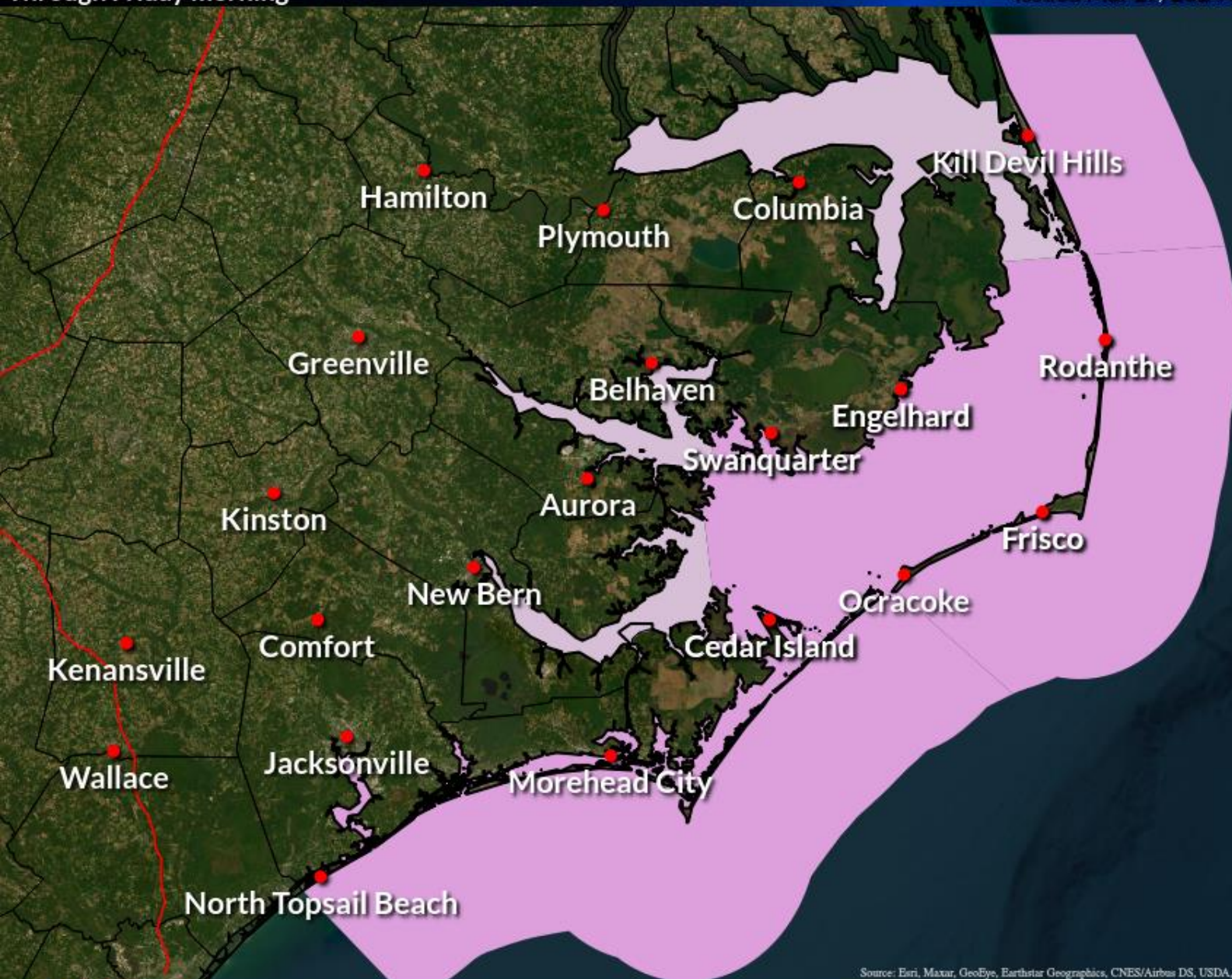


Active Marine Headlines

Through Friday morning

Weather Forecast Office
Newport/Morehead City, NC

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Hazards

Gale Warning

Small Craft
Advisory

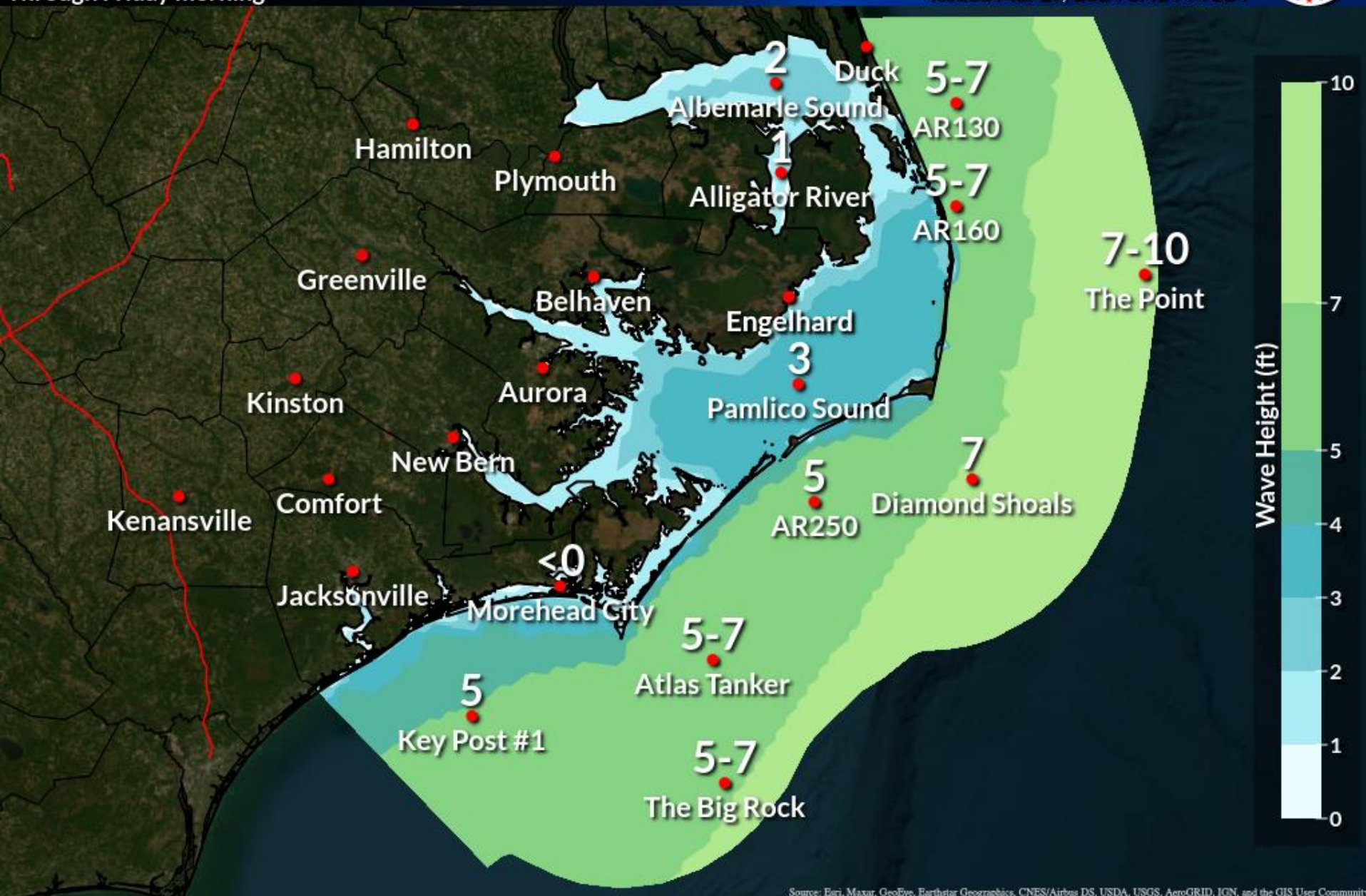
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Max Wave Height (ft.)

Through Friday morning

Weather Forecast Office
Newport/Morehead City, NC

Issued Mar 27, 2024 3:42 PM EDT



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

Event Summary

✓ Confidence is **HIGH** that this event will occur, producing **MINOR to MODERATE** impacts.



Winds: Moderately strong winds of 30-40 mph are expected, producing minor impacts, especially along the coast.



Coastal Flooding: Minor soundside flooding is expected for Ocracoke and Hatteras Islands.



Heavy Rainfall: Widespread rainfall amounts of 1-3" are expected, with amounts as high as 3-5" possible. This will lead to minor to potentially moderate impacts from flash flooding and river flooding.



Dangerous Marine Conditions: Hazardous winds and seas will occur Thursday through Friday.

Contact and Next Briefing Information



**The next briefing will be
sent out Thursday morning
3/28/2024**

[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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[NWS Newport/Morehead City](#)



Twitter:

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