

Coastal Flooding, Heavy Rain, and Wind Threats Through Sunday

Decision Support Briefing # 5
As of: 300 PM Friday, May 26th, 2023




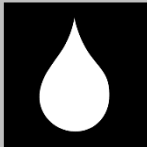
Briefing applies to the
Morehead City/Newport, NC
Area Only



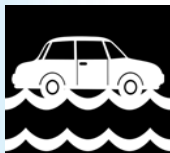
What Has Changed?

- *Timing of heavy rain slowed down a bit, otherwise no major changes*

Main Points

Hazard	Impacts	Location	Timing
Coastal Flooding 	<p>Coastal Flooding: Elevated water levels, Inundation of low lying areas (see maps for specifics)</p> <p>Ocean Overwash: Large, dangerous surf is expected, leading to beach erosion and some overwash in vulnerable areas</p>	<p>Soundside Coastal Flooding: Southwest Pamlico Sound, Neuse, Bay and Pamlico Rivers and tributaries</p> <p>Oceanside Overwash: Some overwash Oregon Inlet to Cape Hatteras</p>	<p>Coastal Flooding: Moderate to locally major impacts through early Monday</p> <p>Ocean Overwash: Around the times of high tides today through late Saturday night</p>
Rainfall Amounts 	<p>Travel impacts and flooding of poor drainage areas</p>	<p>All of Eastern NC but especially from along the Crystal Coast from Morehead City westward through near Wallace, Jacksonville.</p>	<p>Heaviest rain falls through Sunday morning</p>
Winds 	<p>Isolated power outages, small limbs down, hazardous driving conditions for high-profile vehicles</p>	<p>Outer Banks, Crystal Coast and along and near the Pamlico/Albemarle Sounds</p>	<p>Strongest winds through Saturday evening</p>
Marine & Rip Currents 	<p>Large, dangerous seas Gale to Storm Force winds will produce life-threatening conditions to mariners</p>	<p>All marine areas, with strongest winds coastal waters south of Cape Hatteras</p>	<p>Through at least Monday</p>

Summary of Greatest Impacts



Coastal Flooding: See Maps to Follow

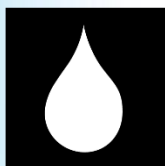
None

Limited

Elevated

Significant

Extreme



Rainfall/Flooding: See Maps to Follow

None

Limited

Elevated

Significant

Extreme



Wind: See Maps to Follow

None

Limited

Elevated

Significant

Extreme



Marine: All Marine Areas

None

Limited

Elevated

Significant

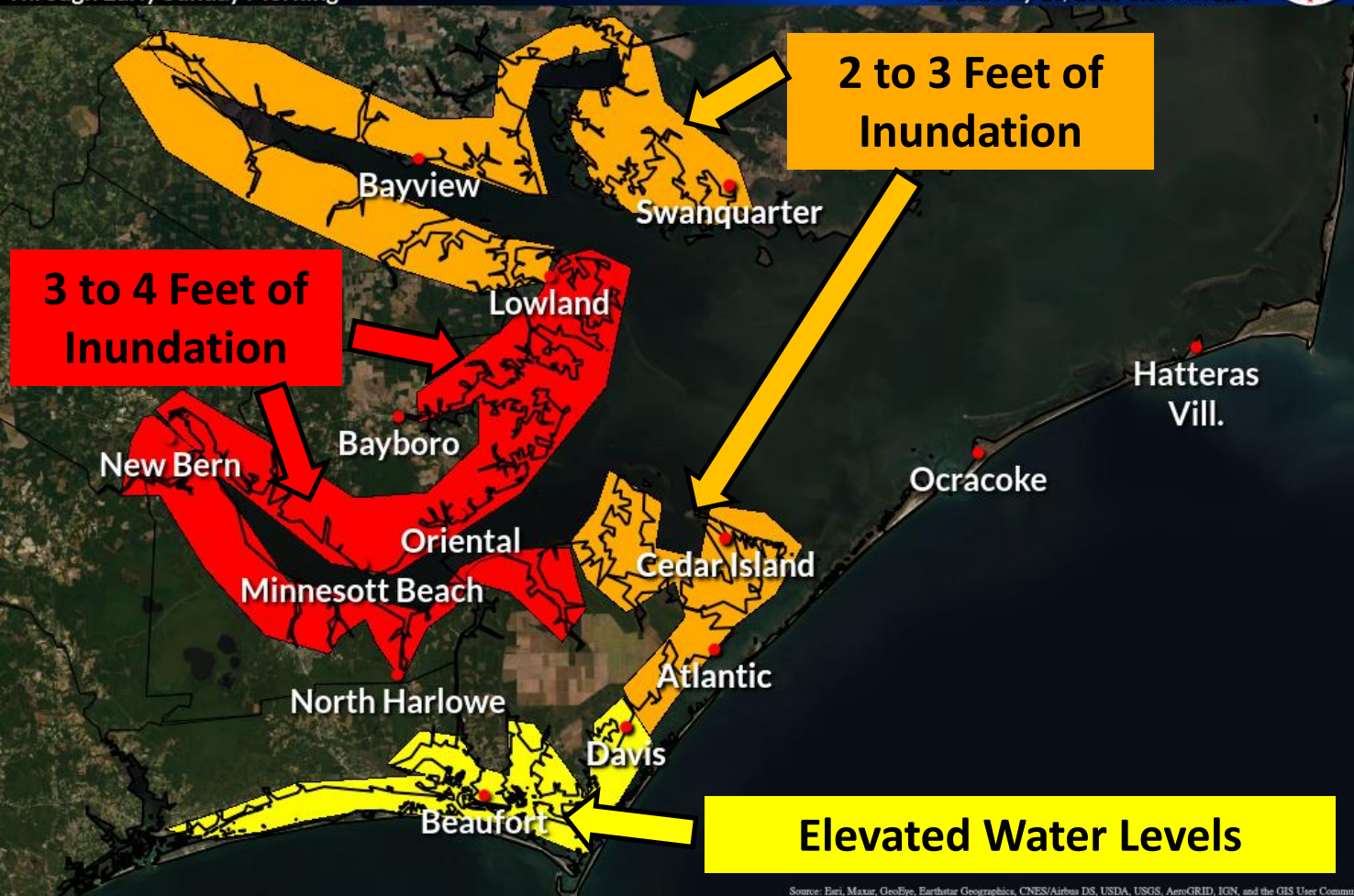
Extreme



Coastal Flooding

Through Early Sunday Morning

Weather Forecast Office
Newport/Morehead City, NC



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Impacts:

Flooding expected in low lying areas near the river/sounds. Some road closures possible.

Greatest Concern:

Neuse River/Pamlico Sound (areas in red)

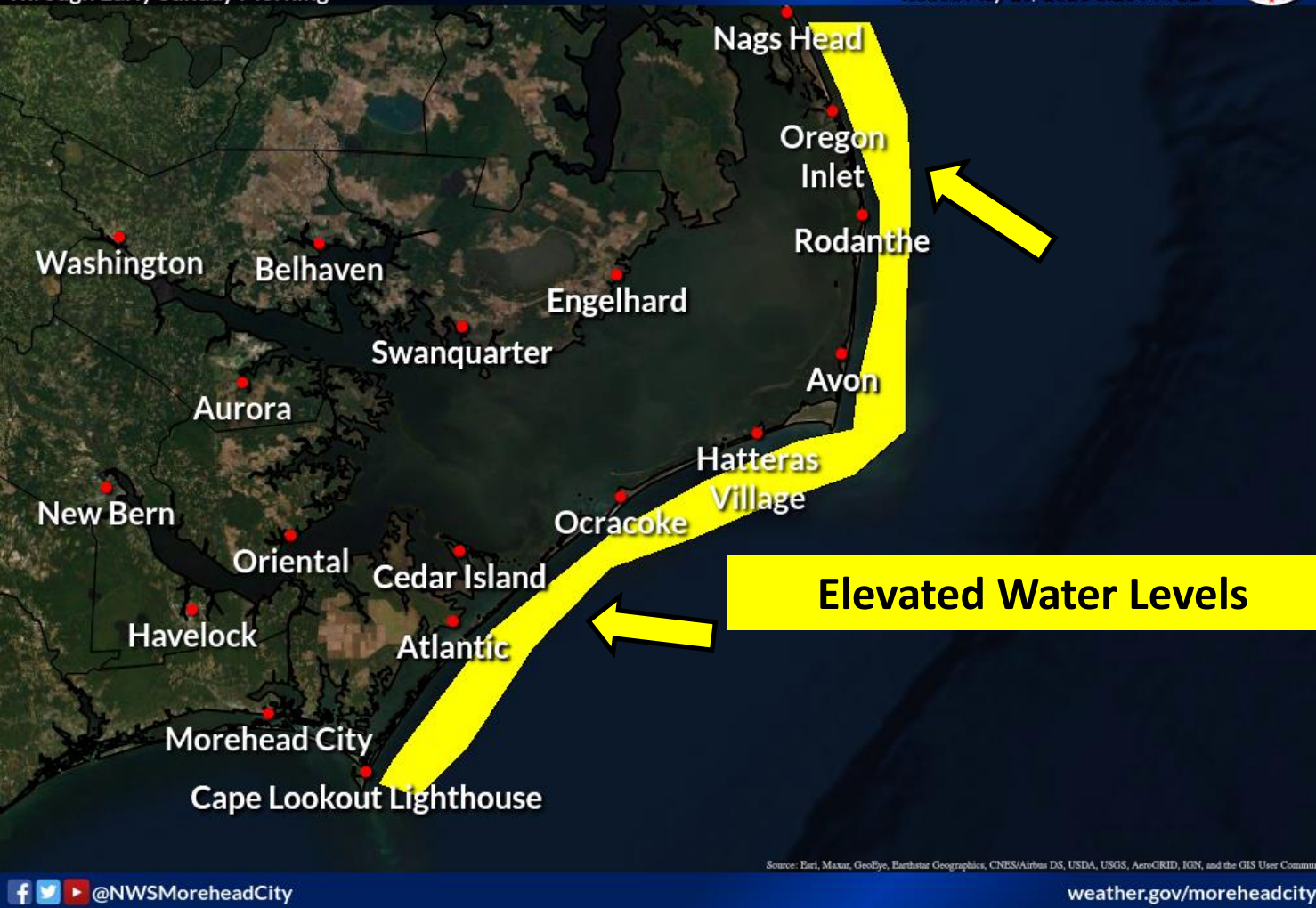
Timing:

Today through early Sunday morning

Coastal Flooding (Oceanside Only)

Through Early Sunday Morning

Weather Forecast Office
Newport/Morehead City, NC



Impacts:

Minimal overall.
Some beach erosion, minor ocean overwash possible at periods of high tide (especially on Hatteras Island)

Timing:

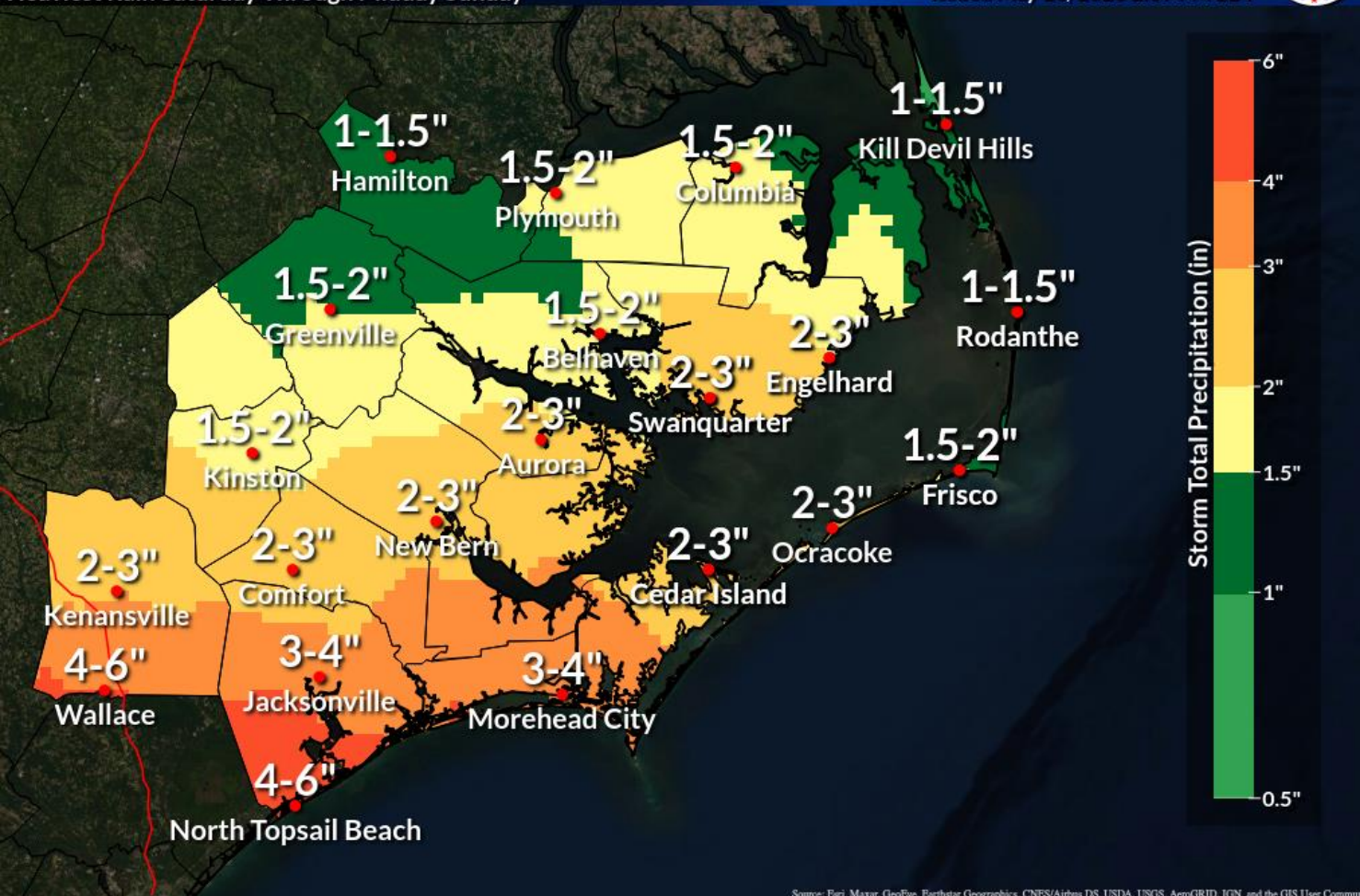
Today through early Sunday morning

Total Rainfall Through Monday

Heaviest Rain Saturday Through Midday Sunday

Weather Forecast Office
Newport/Morehead City, NC

Issued May 26, 2023 2:09 PM EDT



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

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Impacts:

Flooding possible
in low lying, poor
drainage areas

Greatest Concern:

Along the
southern coast
from Morehead
City westward,
including south
Duplin

Timing:

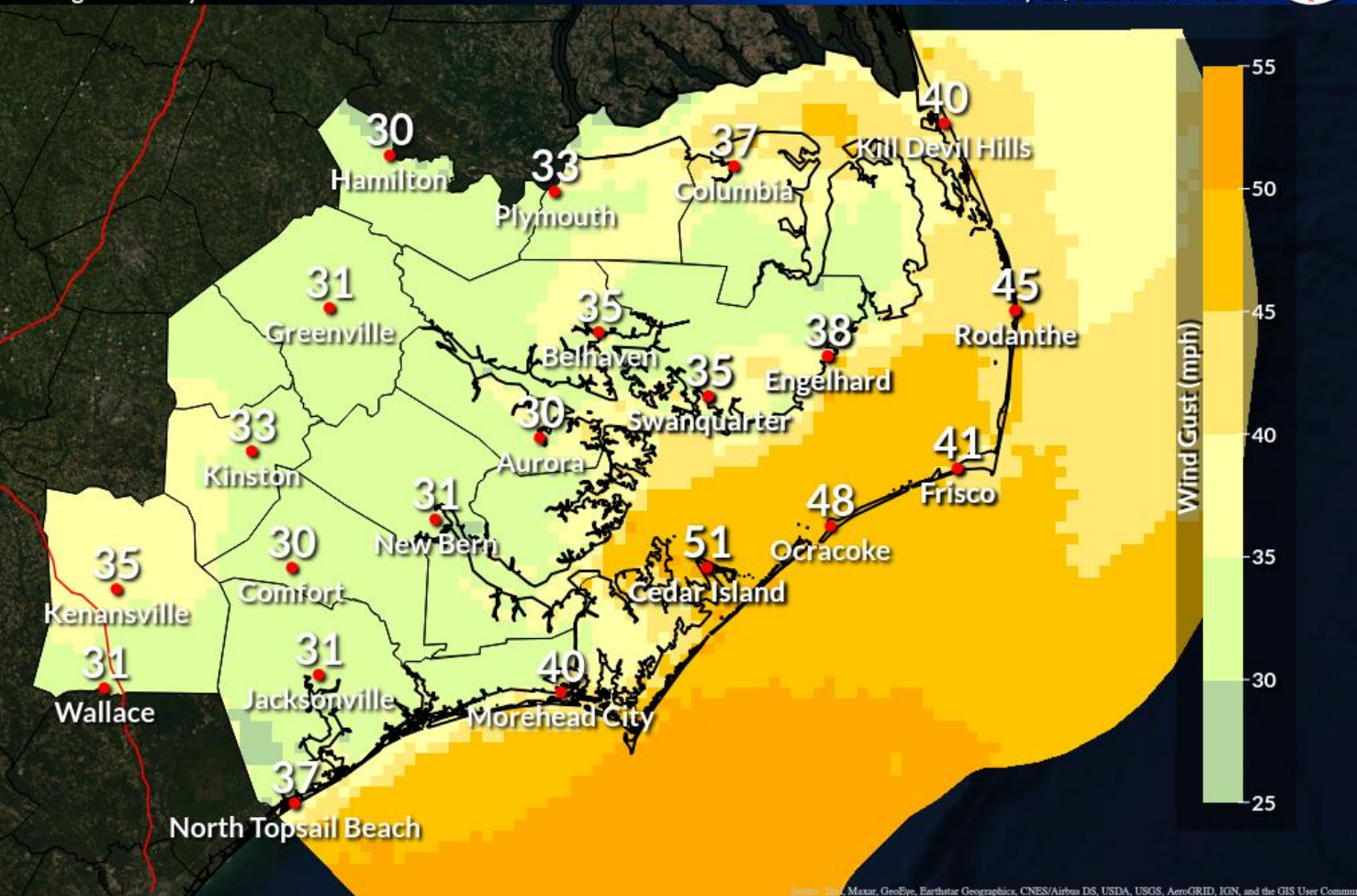
Heaviest rain falls
tonight through
early Sunday
morning

Peak Wind Gusts

Through Saturday

Weather Forecast Office
Newport/Morehead City, NC

Issued May 26, 2023 2:03 PM EDT



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

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Impacts:

Isolated power outages possible, small limbs down, difficulty driving (high profile vehicles)

Greatest Concern:

Outer Banks, Crystal Coast, Along and near Pamlico/Albemarle Sounds

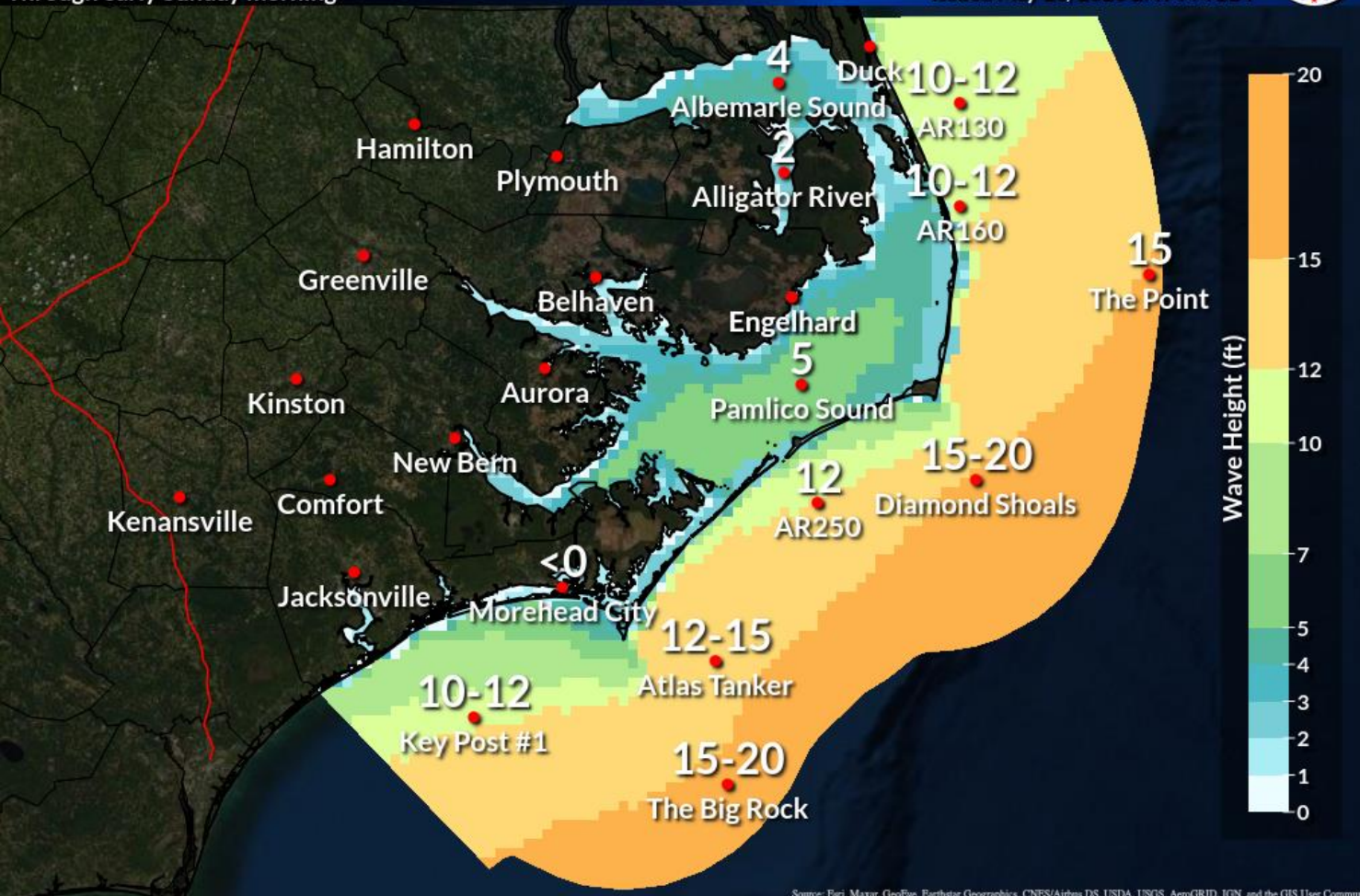
Timing:

Strongest winds this afternoon through Saturday evening

Maximum Wave Heights

Through early Sunday morning

Weather Forecast Office
Newport/Morehead City, NC
Issued May 26, 2023 2:49 PM EDT



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

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Impacts:

Life threatening seas which could capsize or damage vessels. Mariners should alter plans to avoid these hazardous conditions

Greatest Concern:

All coastal waters

Timing:

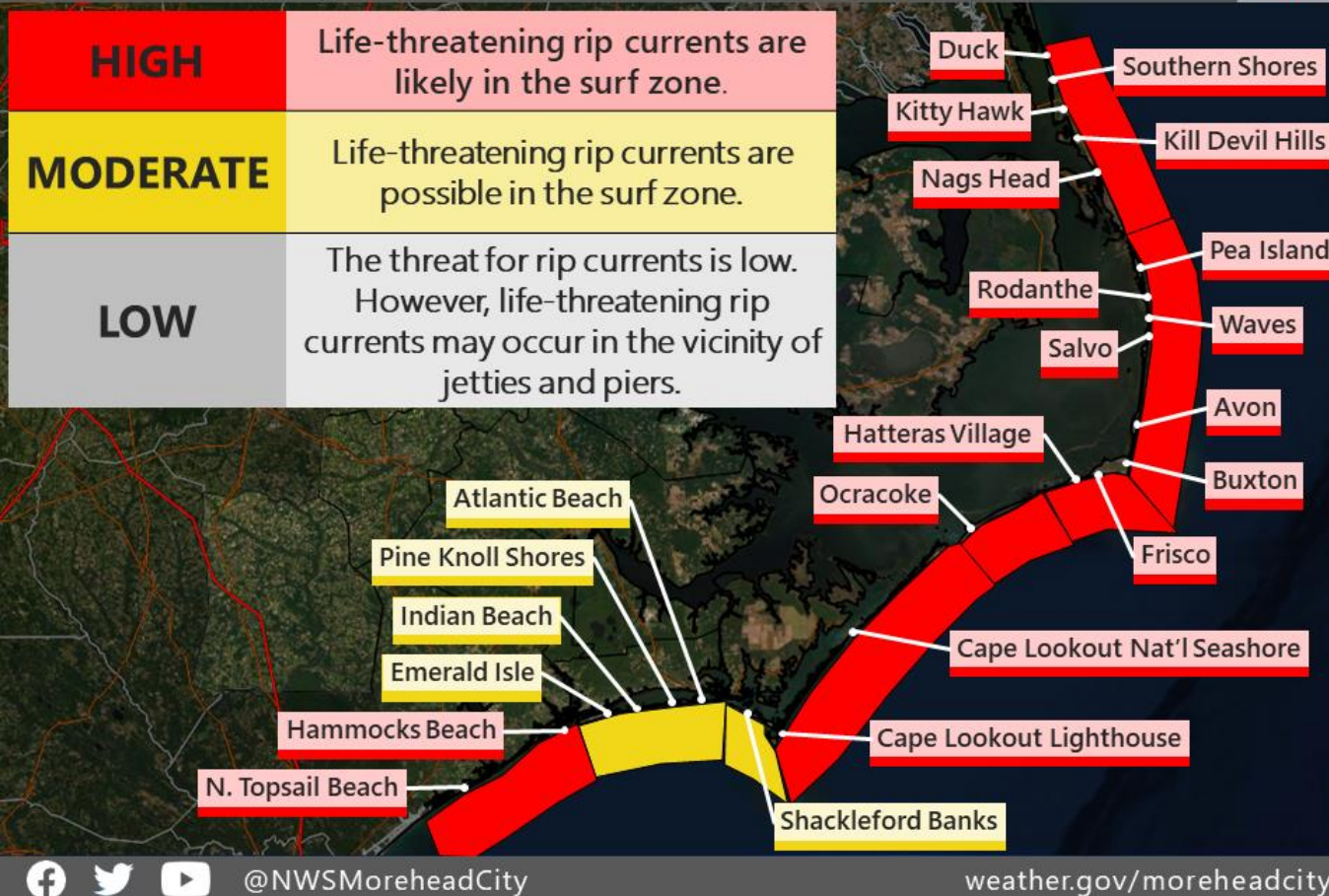
Worst conditions through early Sunday morning

Rip Current Risk

Weather Forecast Office
Newport/Morehead City, NC



Forecast for Saturday May 27th, 2023



Impacts:

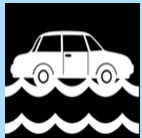
Rough surf, large breaking waves and threats for rip currents will make surf conditions dangerous through the weekend



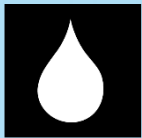
Updated Surf Forecasts: weather.gov/beach/mhx

Event Summary

- ✓ Confidence is **HIGH** that this event will occur, and we are expecting **MODERATE** impacts especially toward the coast.



Coastal Flooding: Flooding likely along Neuse, western Pamlico Sound over multiple days through late Saturday night (3 to 4 feet of inundation). 2 to 3 feet across Downeast Carteret County. Elevated water levels along Bogue Sound, due to persistent strong wind.



Ocean Overwash: Large, dangerous surf and some beach erosion is expected for beaches from Duck to Cape Lookout. Some ocean overwash is possible for vulnerable areas on Hatteras Island. This is expected to be minor.



Rainfall: A minimum of 1 to 2 inches of rain across all of eastern North Carolina, but up to 3 to 6 inches towards the Crystal Coast.



Winds: Windy conditions could cause isolated power outages, bring a few limbs down and result in hazardous driving conditions for high-profile vehicles.

Life-threatening Marine Conditions: Dangerous seas of up to 15-20 feet with Gale Force winds expected, peaking through early Sunday morning.

Contact and Next Briefing Information

This will be the last briefing. Follow our website and social media links below for updates.

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



Web:

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



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