

Coastal Flooding, Heavy Rain, and Wind Threats Through Sunday

Decision Support Briefing # 4
As of: 600 AM Friday, May 26th, 2023




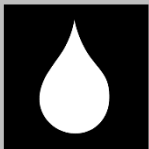
Briefing applies to the
Morehead City/Newport, NC
Area Only



What Has Changed?

- *High Surf Advisory was extended to Ocracoke Island*

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 tonight 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.</p>	<p>Heaviest rain falls from tonight through early 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 from this morning 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

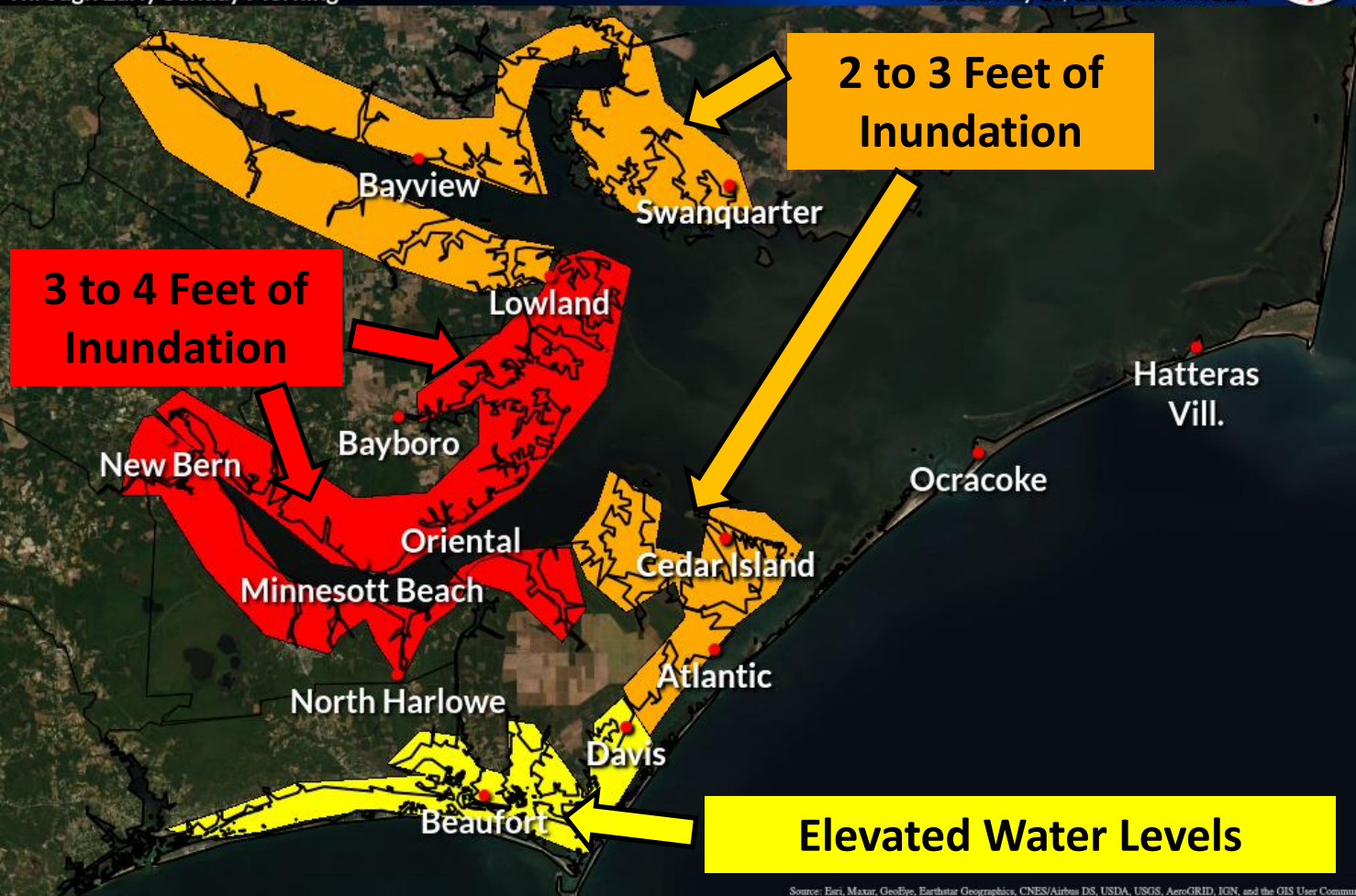
Extreme



Coastal Flooding

Through Early Sunday Morning

Weather Forecast Office
Newport/Morehead City, NC



   @NWSMoreheadCity

weather.gov/moreheadcity

Impacts:

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

Greatest Concern:

Neuse River/Pamlico Sound (areas in red)

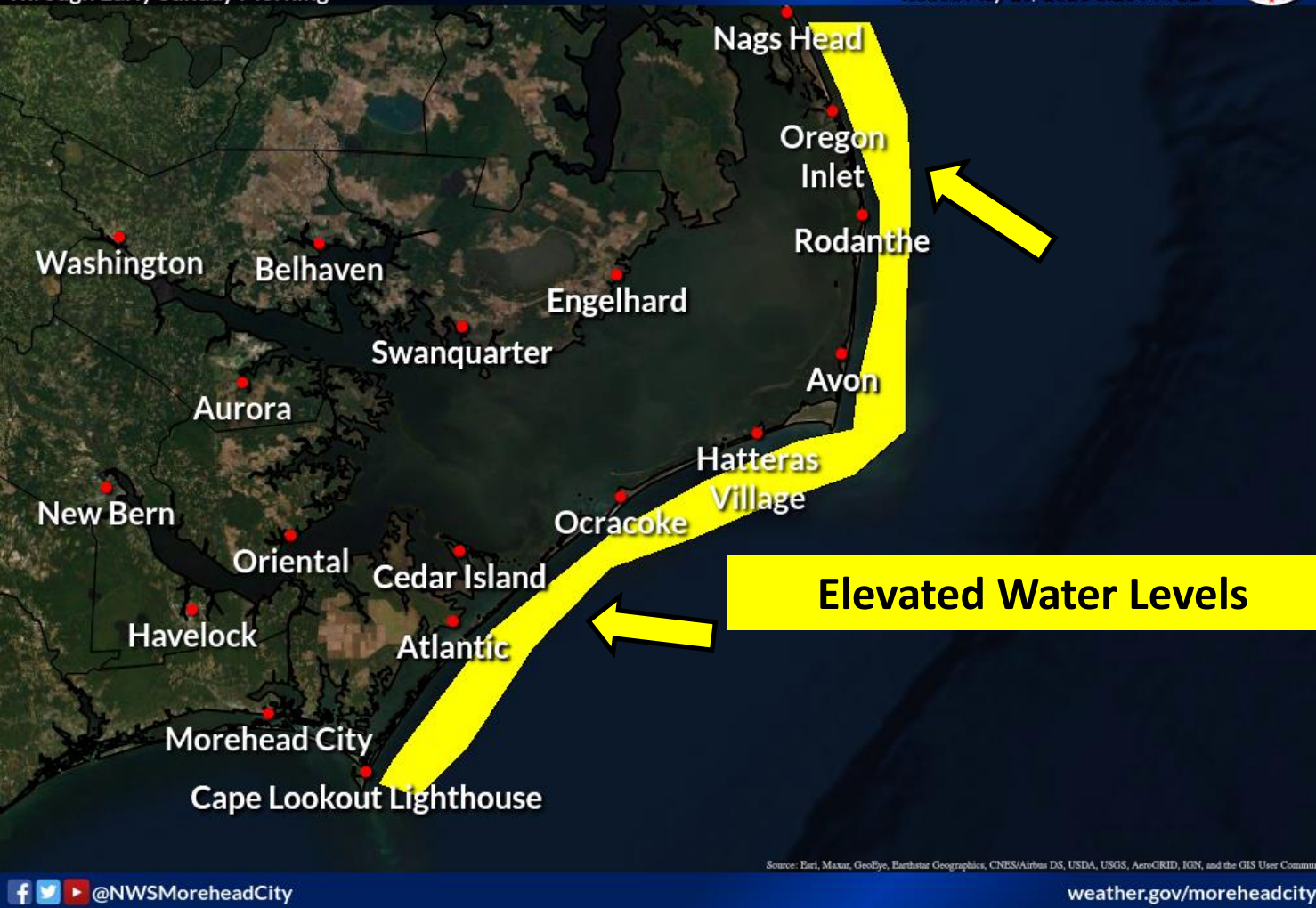
Timing:

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:

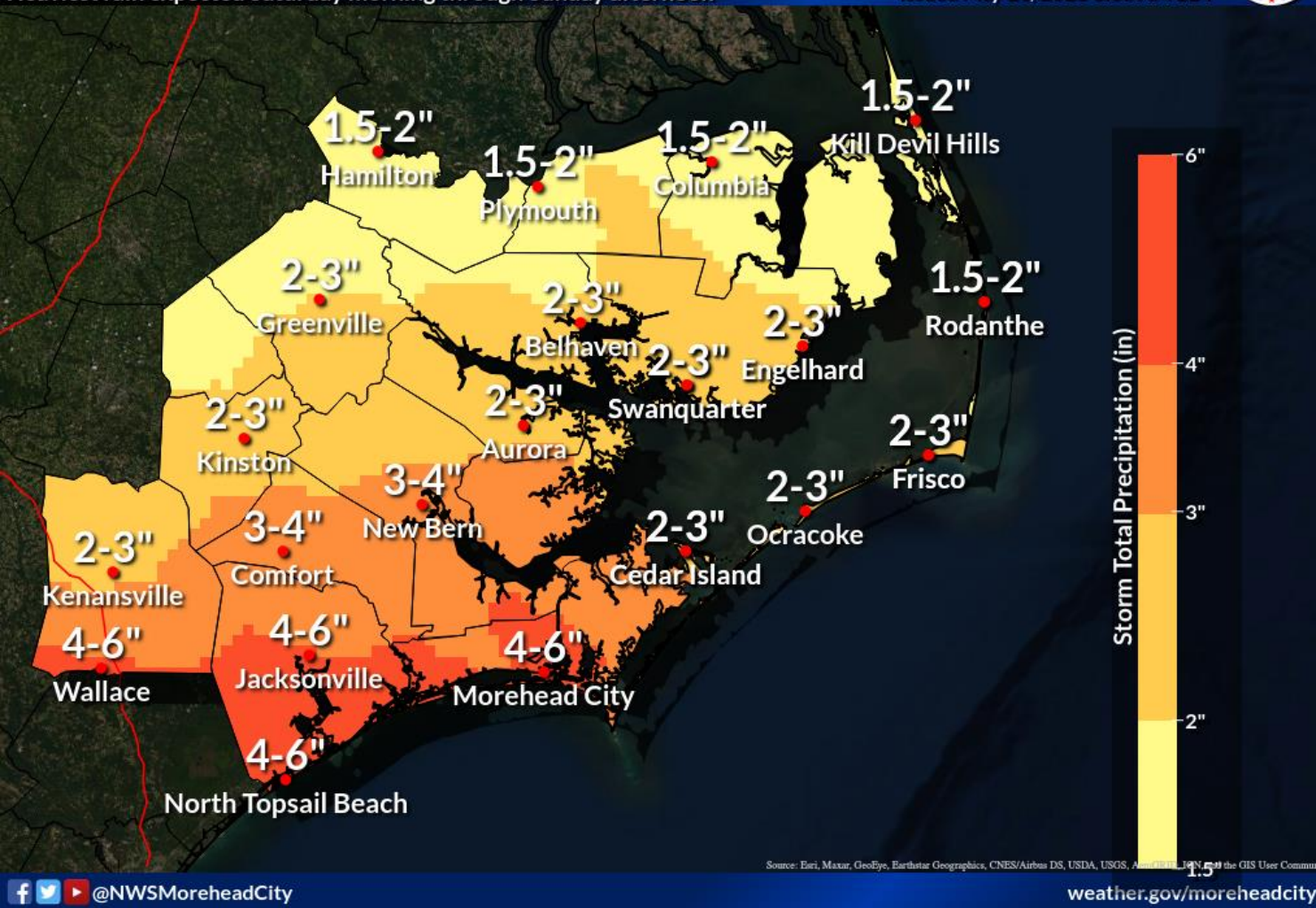
Today through early Sunday morning

Total Rainfall Through Monday

Heaviest rain expected Saturday morning through Sunday afternoon

Weather Forecast Office
Newport/Morehead City, NC

Issued May 26, 2023 3:38 AM EDT



Impacts:

Flooding possible
in low lying, poor
drainage areas

Greatest Concern:

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

Timing:

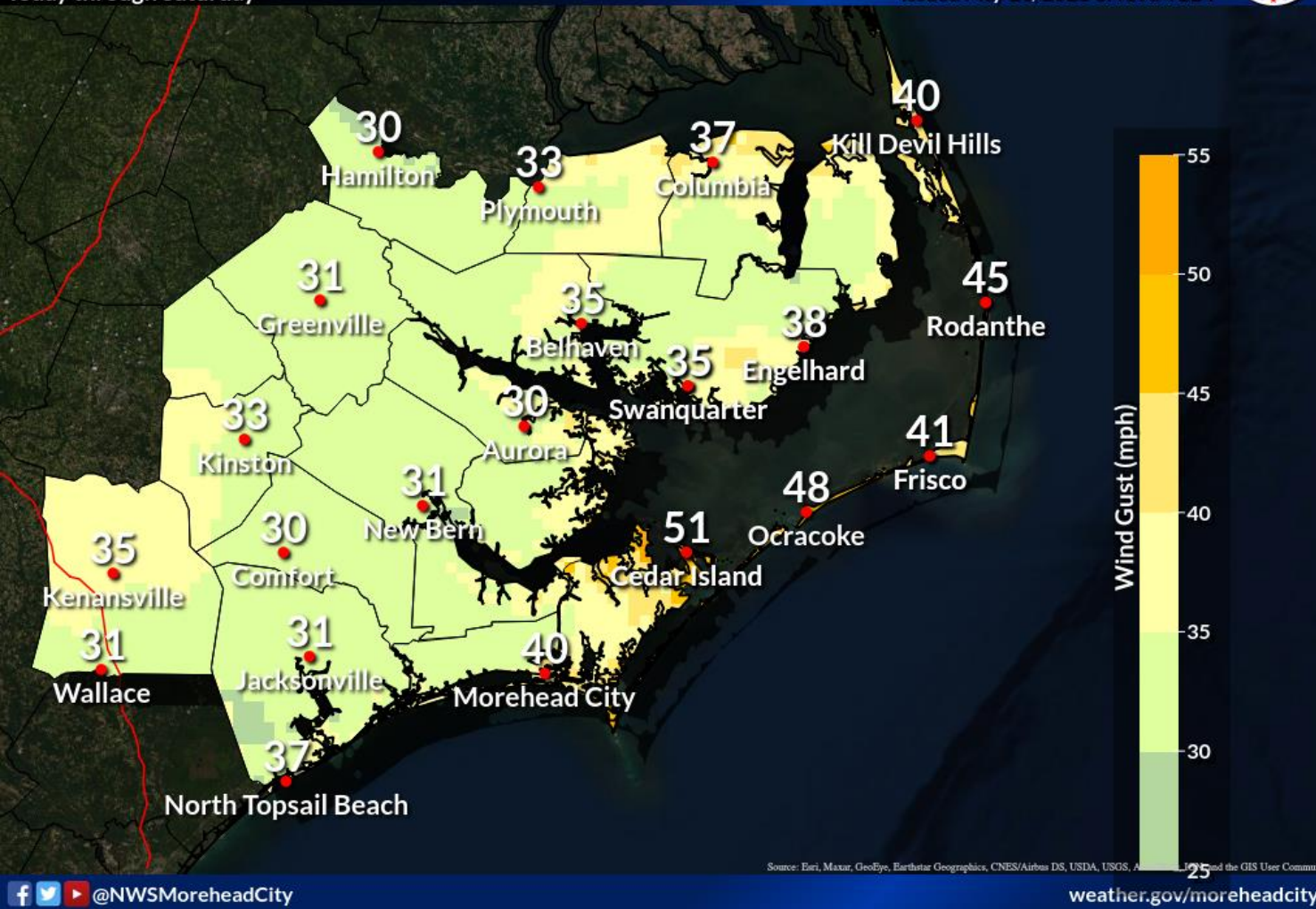
Heaviest rain falls
tonight through
early Sunday
morning

Peak Wind Gusts

Today through Saturday

Weather Forecast Office
Newport/Morehead City, NC

Issued May 26, 2023 3:41 AM EDT



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:

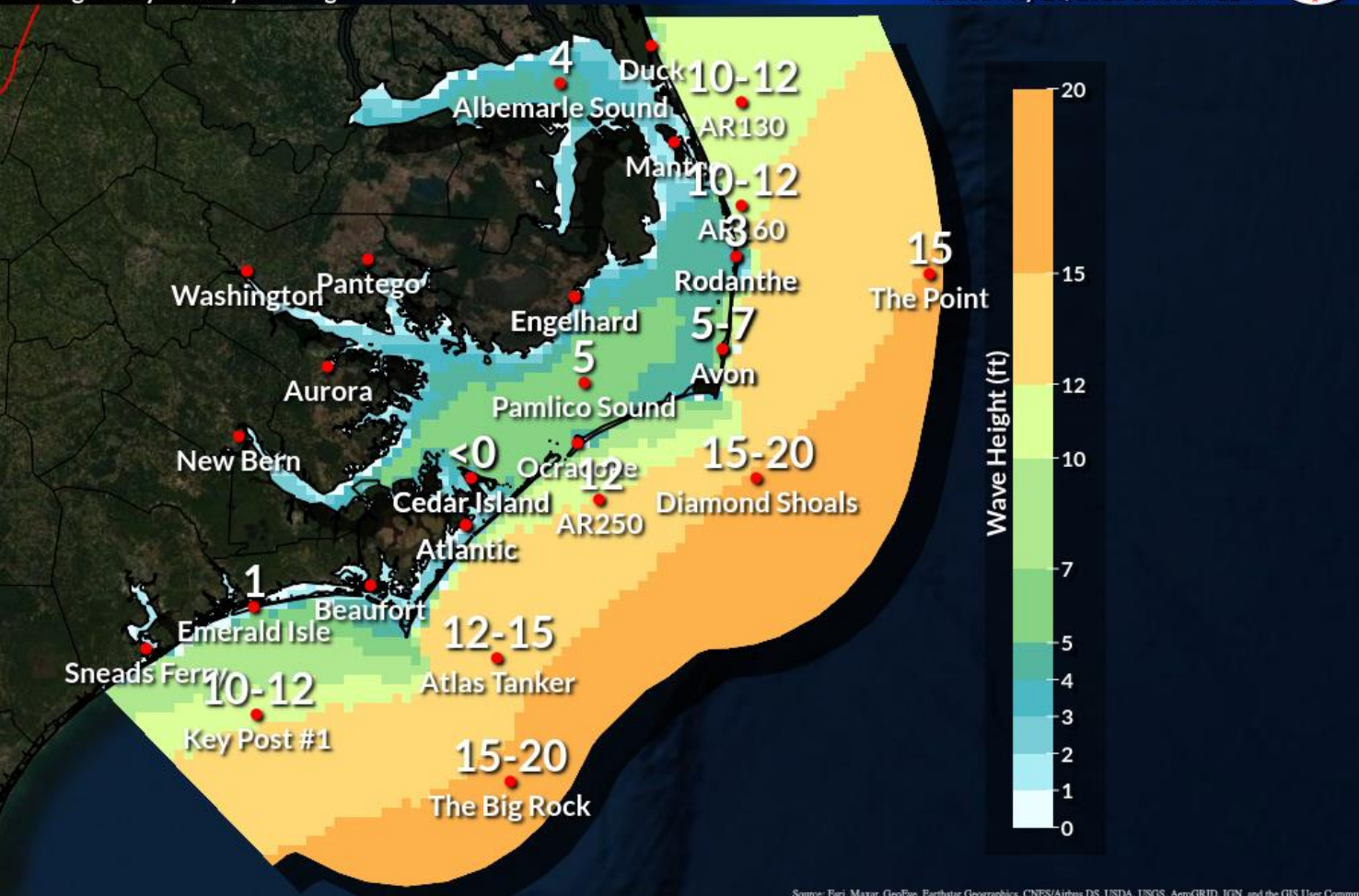
Strongest winds this afternoon through Saturday evening

Maximum Wave Heights

Through early Sunday morning

Weather Forecast Office
Newport/Morehead City, NC

Issued May 26, 2023 3:46 AM EDT



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

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weather.gov/moreheadcity

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 late this afternoon through early Sunday morning

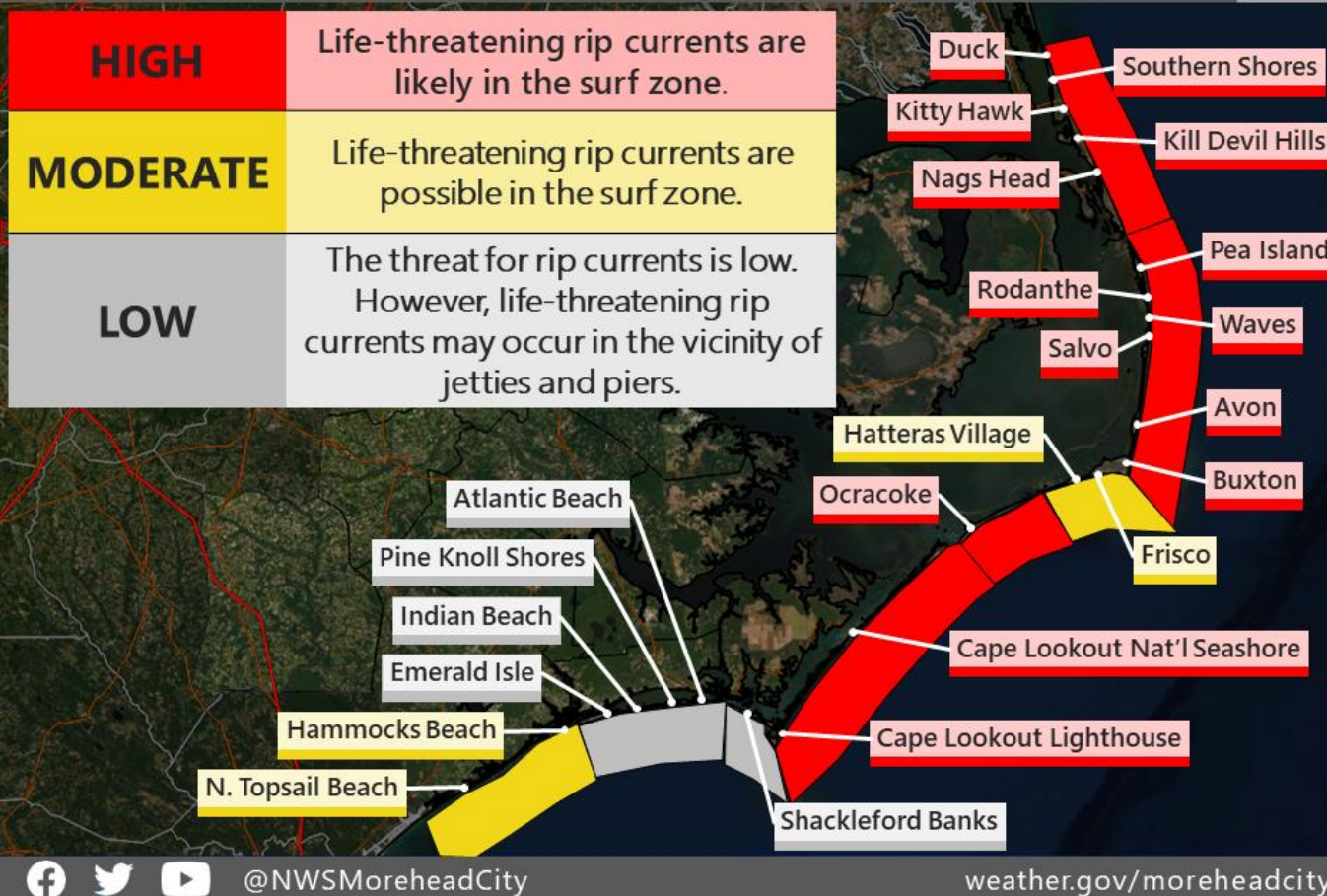
Rip Current Risk

Weather Forecast Office
Newport/Morehead City, NC



Forecast for Friday May 26, 2023

High Rip Current Risk North of Cape Lookout Today



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 4 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 late this afternoon through early Sunday morning.

Contact and Next Briefing Information



**The next briefing will be
sent out by 5 PM Friday
5/26/2023**

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



Web:

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



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