



# HURRICANE IAN BRIEFING

5:00 PM ET  
Wednesday, September 28,  
2022

**What has changed:** Tropical Storm WATCH issued up through Cape Lookout, additional surge/coastal flood graphics have been added.



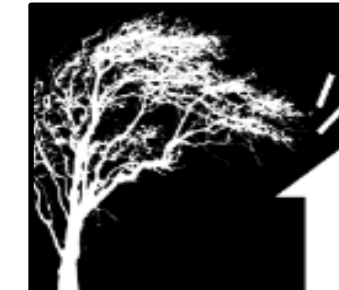

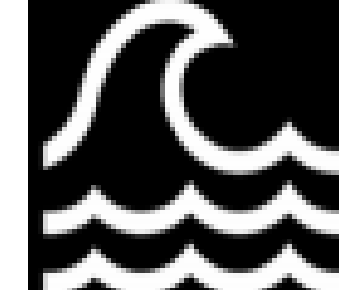
**Next Briefing:** Thursday, September 29, by 8 AM EDT

*Disclaimer: The information contained within is time-sensitive. Do not use after 5:00 am EDT Thursday.*



# Situation Overview

Hurricane Ian

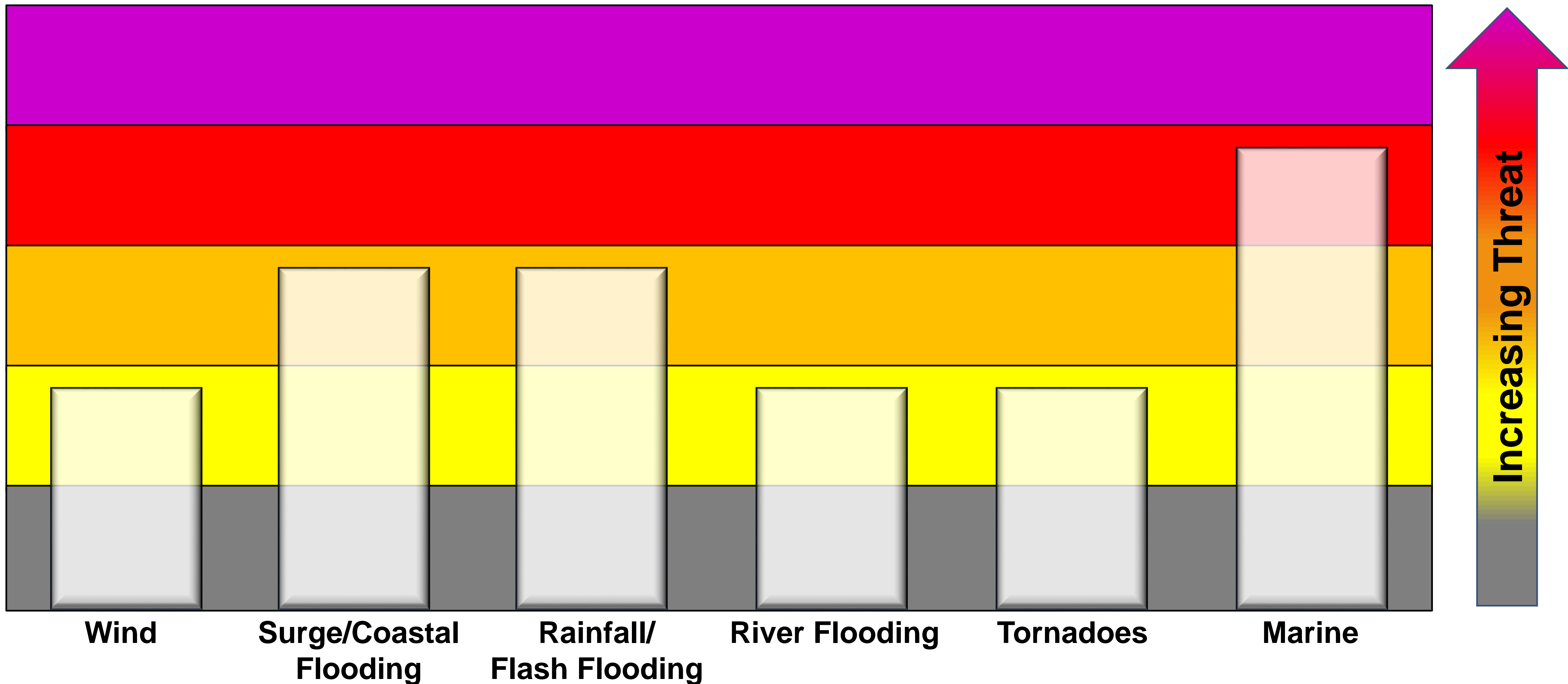
Hazard	Impacts	Location	Timing
 <b>Coastal Flooding/Inundation</b>	<b>Long duration event resulting in 1-3 ft AGL of inundation along low lying areas. 2 to 4 feet possible especially up the Neuse River.</b>	<b>Greatest potential across southern/western Pamlico Sound, Neuse &amp; Bay Rivers, Pamlico River. Other areas include Oceanside OBX, Core Sound, Bogue Sound, Oceanside Crystal Coast</b>	<b>Thursday through Saturday.</b>
 <b>Flooding Rain</b>	<b>Potential for flash flooding due to heavy tropical rains, minor river flooding possible.</b>	<b>All of Eastern NC.</b>	<b>Thursday evening through early Saturday morning.</b>
 <b>Wind</b>	<b>Strong NE winds will persist over an extended period, may cause isolated minor issues.</b>	<b>Coastal NC</b>	<b>Thursday through Saturday.</b>
 <b>Tornado</b>	<b>A few tornadoes possible.</b>	<b>All of Eastern NC.</b>	<b>Friday through Saturday.</b>
 <b>Marine</b>	<b>Strong winds and large/dangerous seas 6 to 15 feet.</b>	<b>Coastal waters and eastern sounds/tidal rivers</b>	<b>Thursday Morning through Sunday.</b>



# Threat Levels

Hurricane Ian

For information on specific hazards in this area, please go to <https://www.weather.gov/srh/tropical?office=mhx>

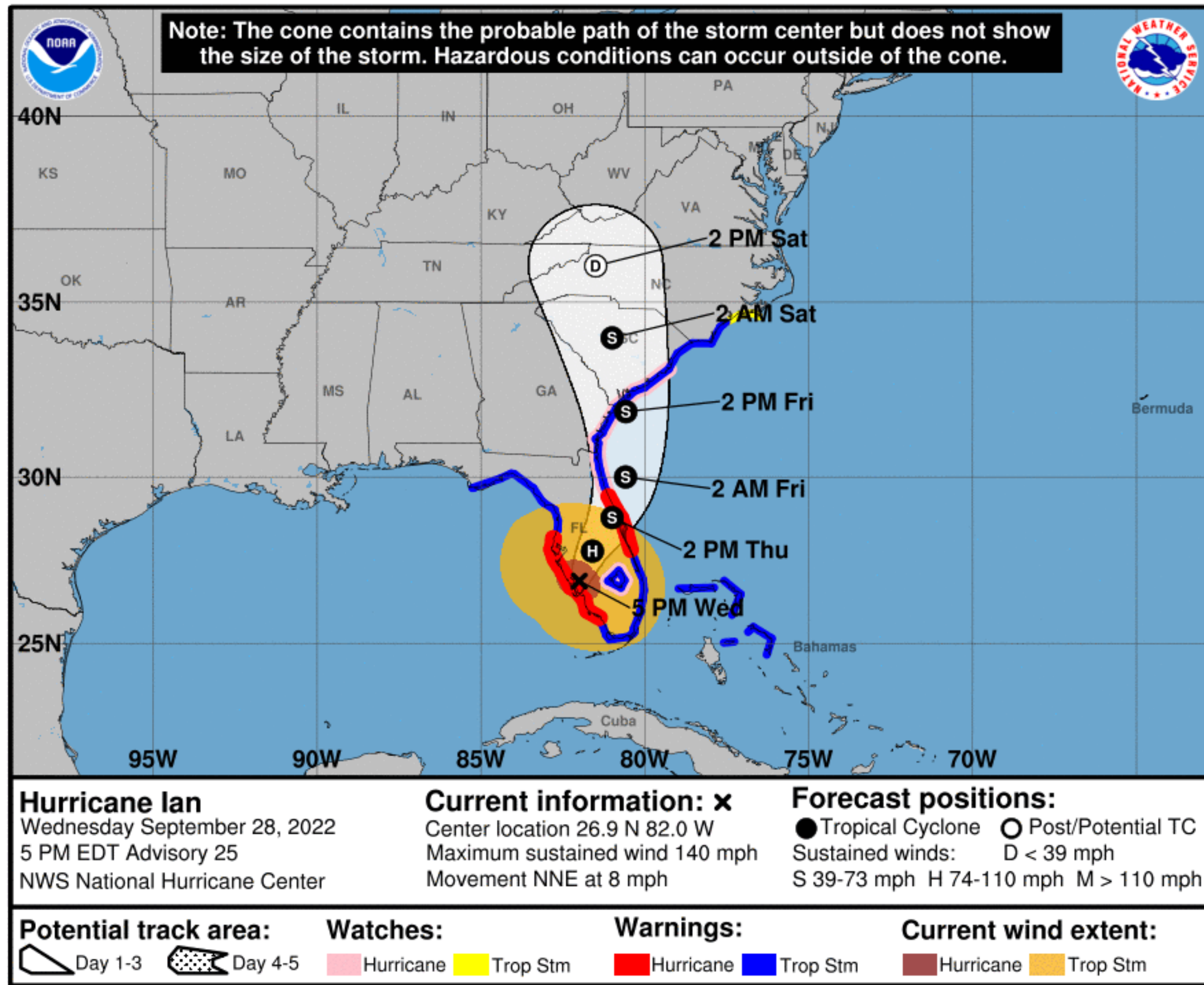






# Situation Overview

## Hurricane Ian



- This will be a prolonged impact of wind, rain, and elevated water levels.
- Impacts well away from the center of Ian will impact our area through the end of the week and into the weekend.
- A stalled front off the NC coast and strong high pressure to the north will help contribute to the impacts across Eastern NC well east of the track of Ian.

**NOTE:** Do not focus on the exact track.  
 Impacts can occur well outside the area enclosed by the cone.





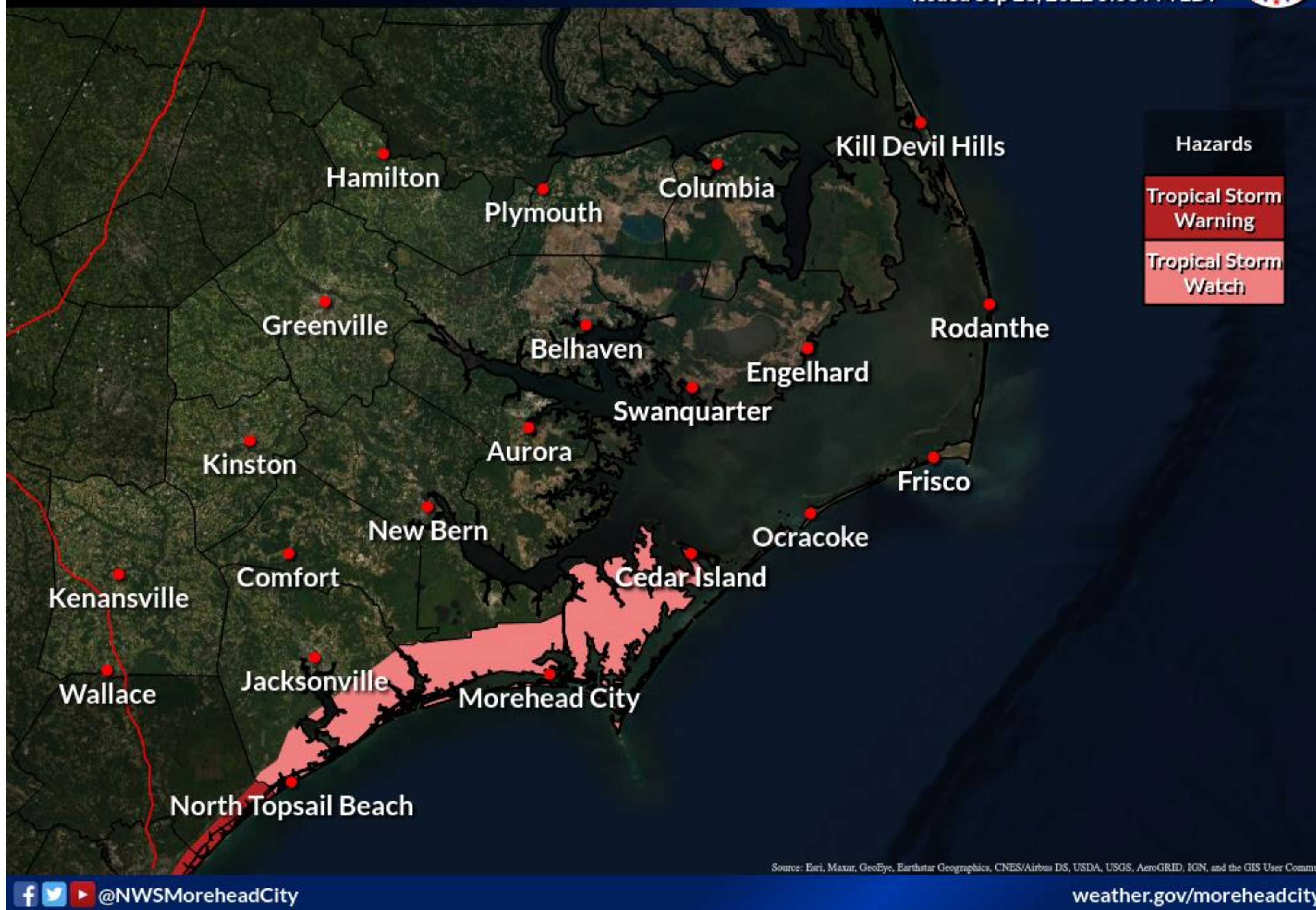
# Tropical Storm Warnings

Hurricane Ian

## Tropical Storm WATCH

Weather Forecast Office  
Newport/Morehead City, NC

Issued Sep 28, 2022 5:03 PM EDT



- A Tropical Storm WATCH has been issued south of Downeast Carteret.





# Storm Surge/Coastal Flooding

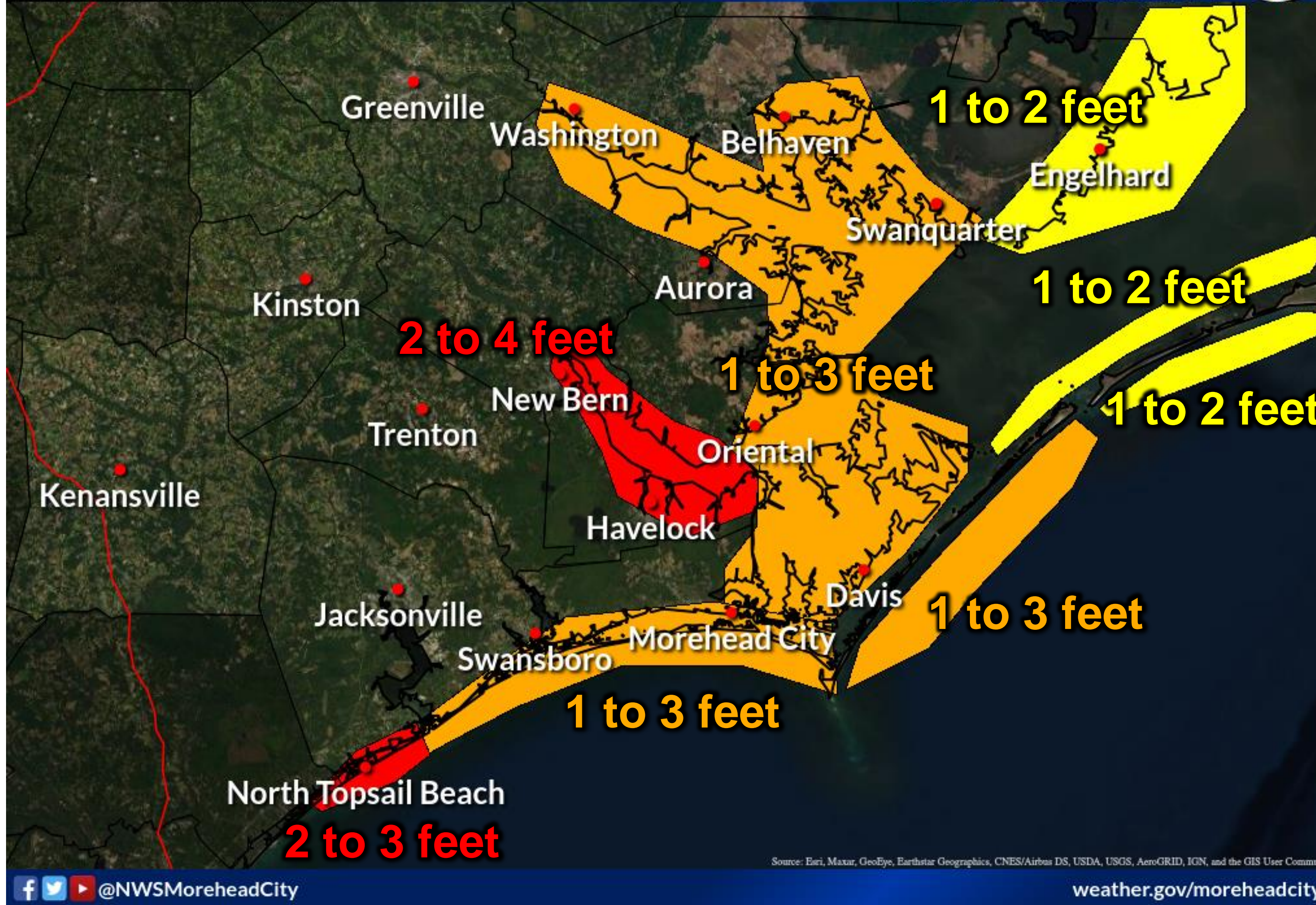
Hurricane Ian

## Coastal Flooding/Surge

Minor to Moderate Inundation

Weather Forecast Office  
Newport/Morehead City, NC

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- Long duration strong Northeast to East winds will produce minor to moderate coastal flooding
- **2-4 feet** of inundation possible in low lying areas along the Neuse River
- **1-3 feet** of inundation possible in low-lying areas; southern and western Pamlico Sound, Bay, Pamlico & Pungo Rivers.
- **2 to 3 feet** possible near North Topsail Beach





# Storm Surge/Coastal Flooding

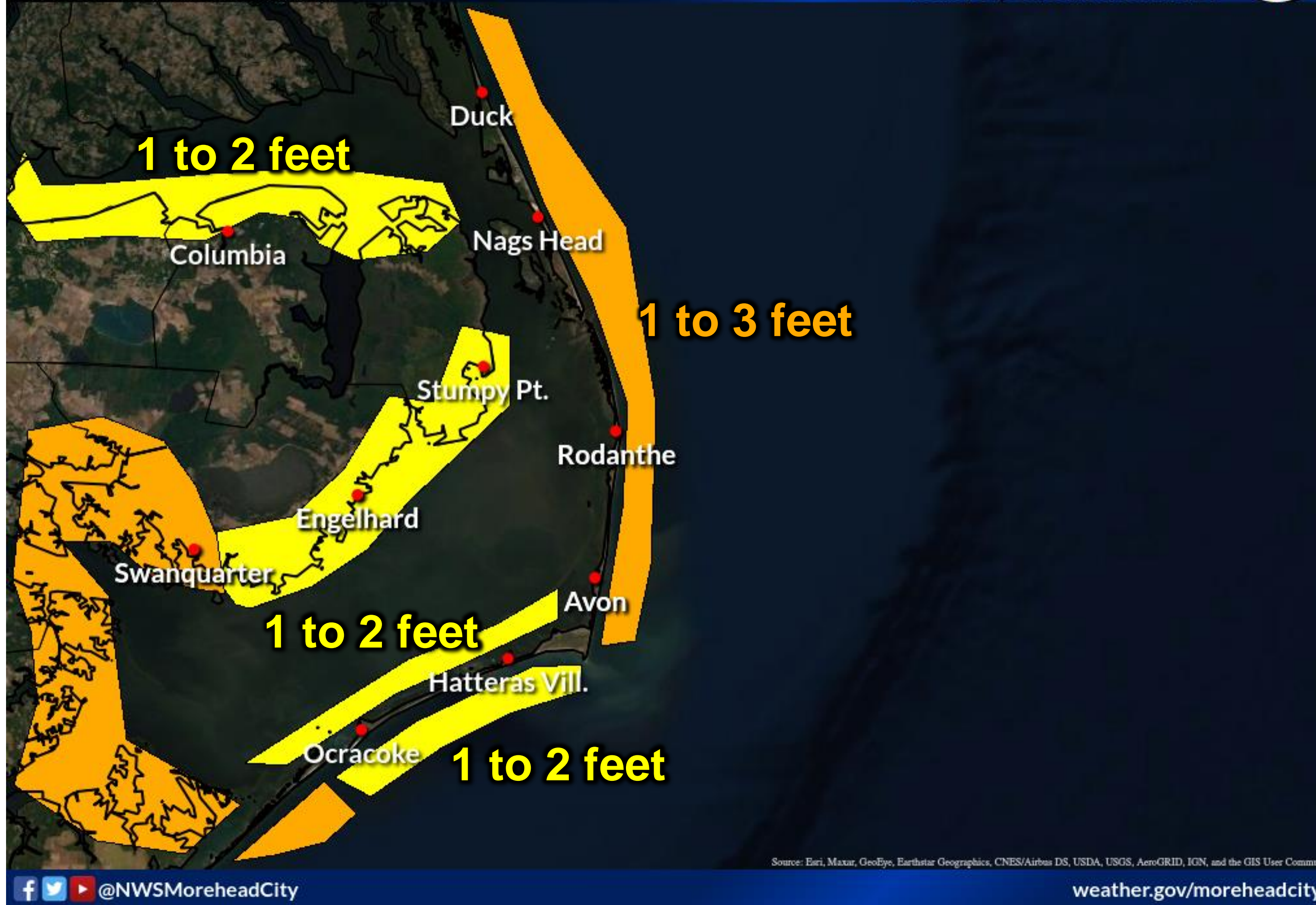
Hurricane Ian

## Coastal Flooding/Surge

Minor to Moderate Inundation

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Newport/Morehead City, NC

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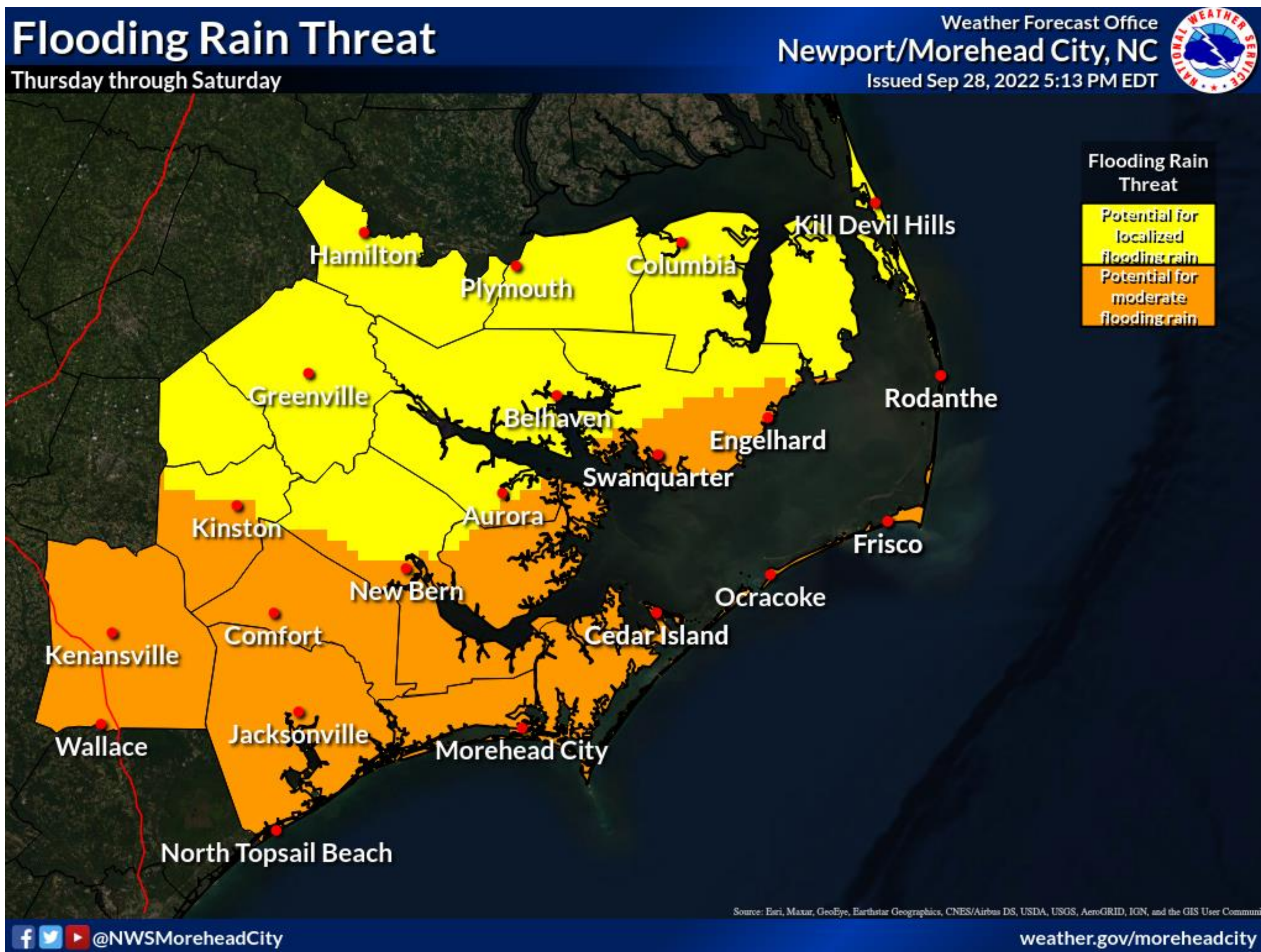
- Long duration strong Northeast to East winds will produce minor to moderate coastal flooding
- Elevated water will occur over multiple tide cycles through Saturday
- Ocean overwash possible especially in areas that experienced a loss of dunes in the past few weeks.
- **1-3 feet** of inundation possible in low-lying areas; Oceanside Outer Banks north of Cape Hatteras
- **1 to 2 feet** possible Soundside Ocracoke and Hatteras Island, southern Albemarle Sound.





# Rainfall Impacts

Hurricane Ian



- Localized flash flooding is possible.
- Peak rainfall intensity will be Friday into Saturday morning.
- Highest potential is across the far south (orange shaded areas)





# Expected Storm Total Rainfall

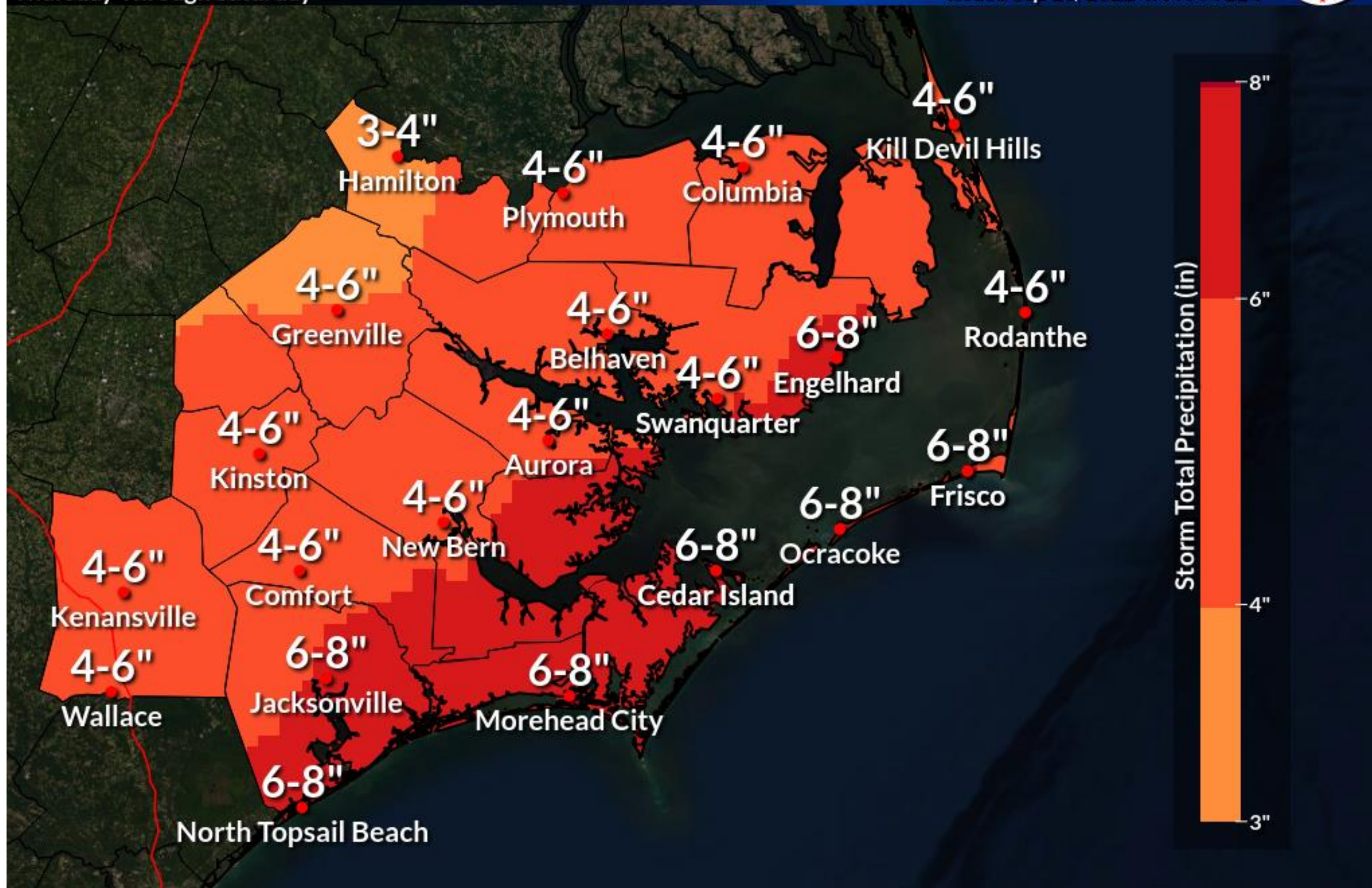
Hurricane Ian

## Total Rainfall

Thursday Through Saturday

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Newport/Morehead City, NC

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- Long duration rainfall event from Thursday night into early Saturday.
- Flash flooding is possible in the areas of heaviest rainfall.

**Note: Locally higher rainfall amounts possible.**





# Prolonged Period of Northeast Winds Ahead Of Ian

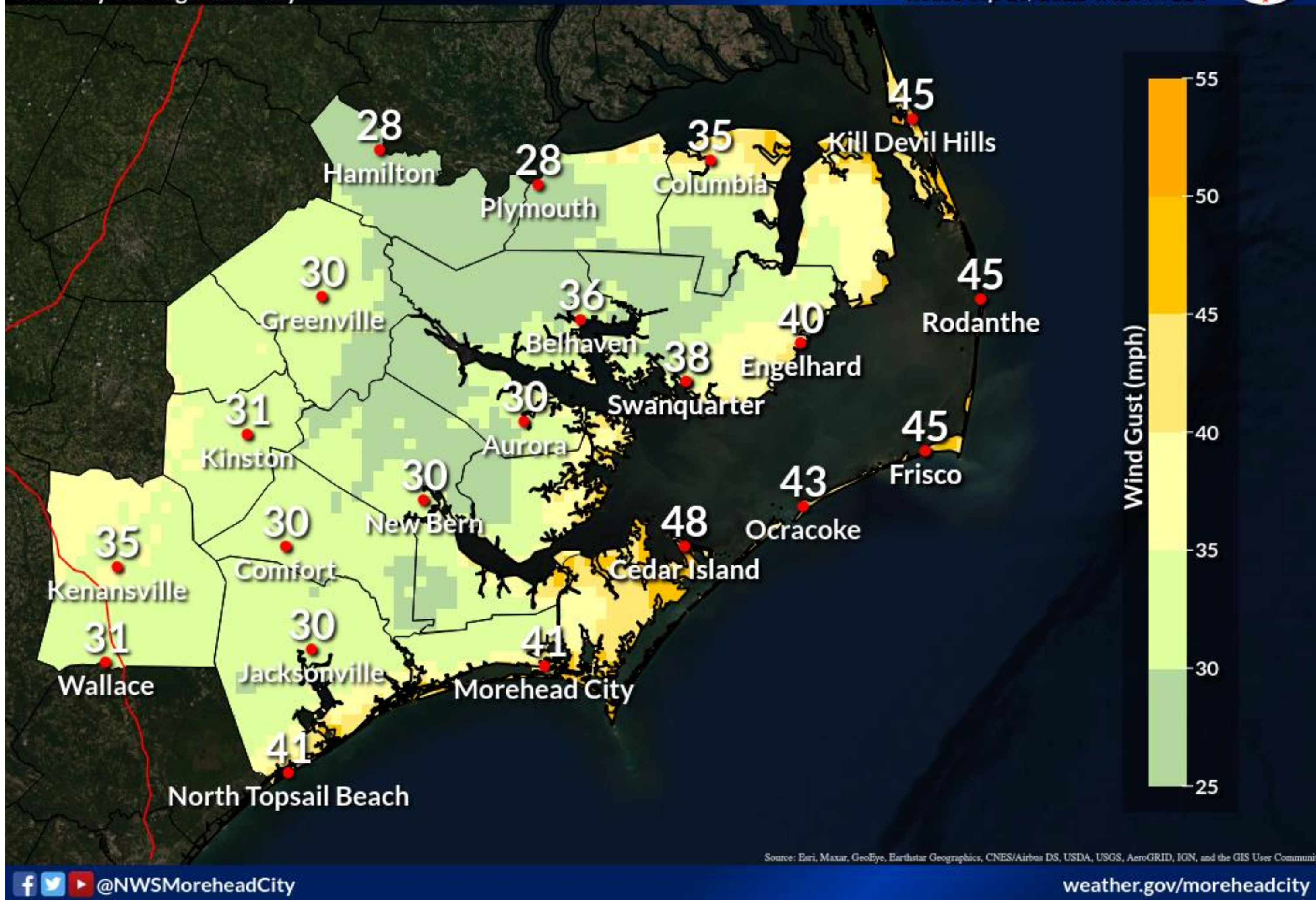
Hurricane Ian

## Max Wind Gusts

Thursday Through Saturday

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Newport/Morehead City, NC

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A prolonged period of strong northeast winds is expected Thursday through Saturday morning:

- While the entire area will be breezy, strongest winds will occur near the coast.

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





# Potential Tornado Impacts

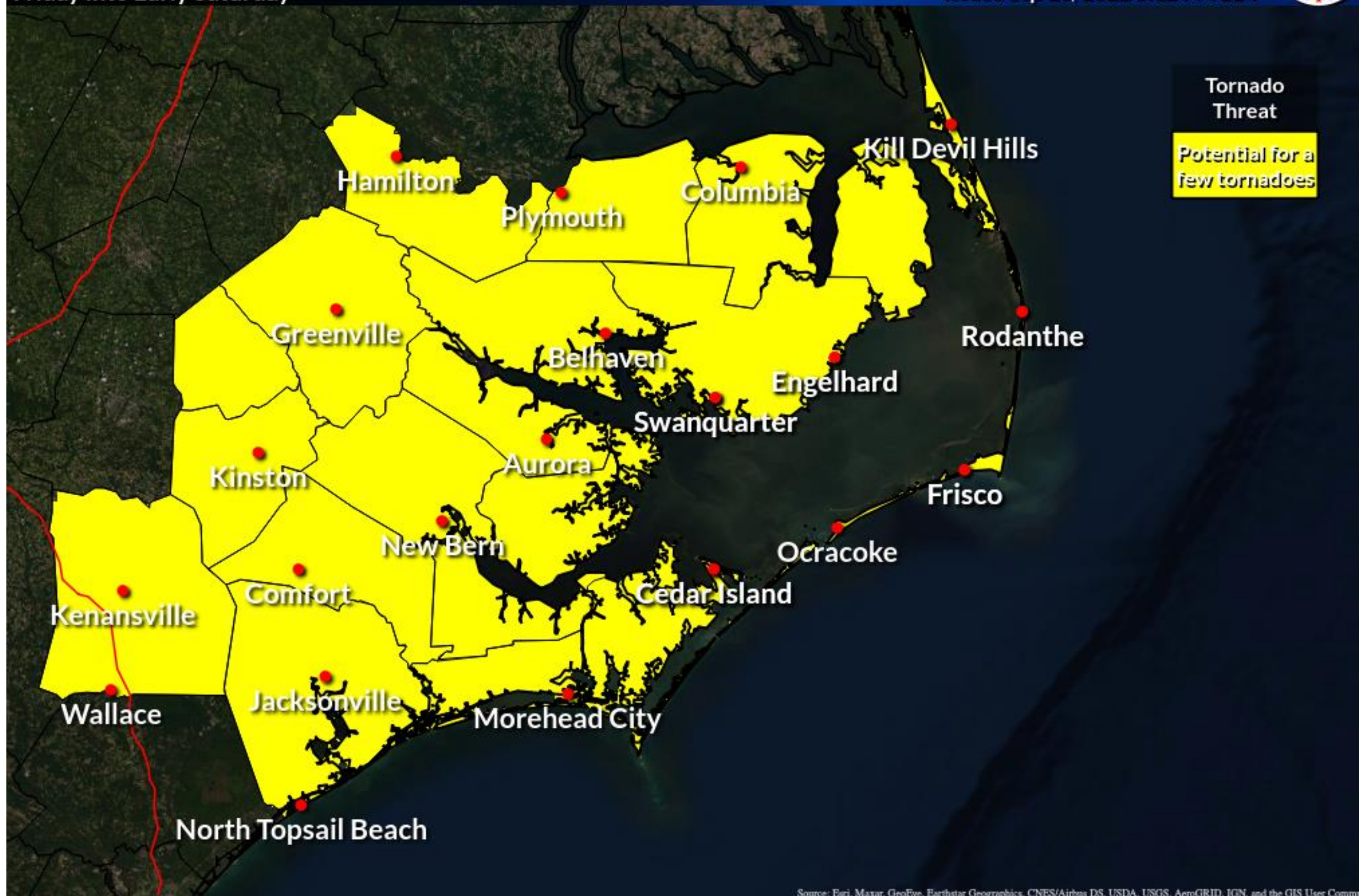
Hurricane Ian

## Tornado Threat

Friday into Early Saturday

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Newport/Morehead City, NC

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

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- A few tornadoes are possible Friday and Friday night.
- Tornado threat will likely persist into this weekend





# Dangerous Marine Conditions

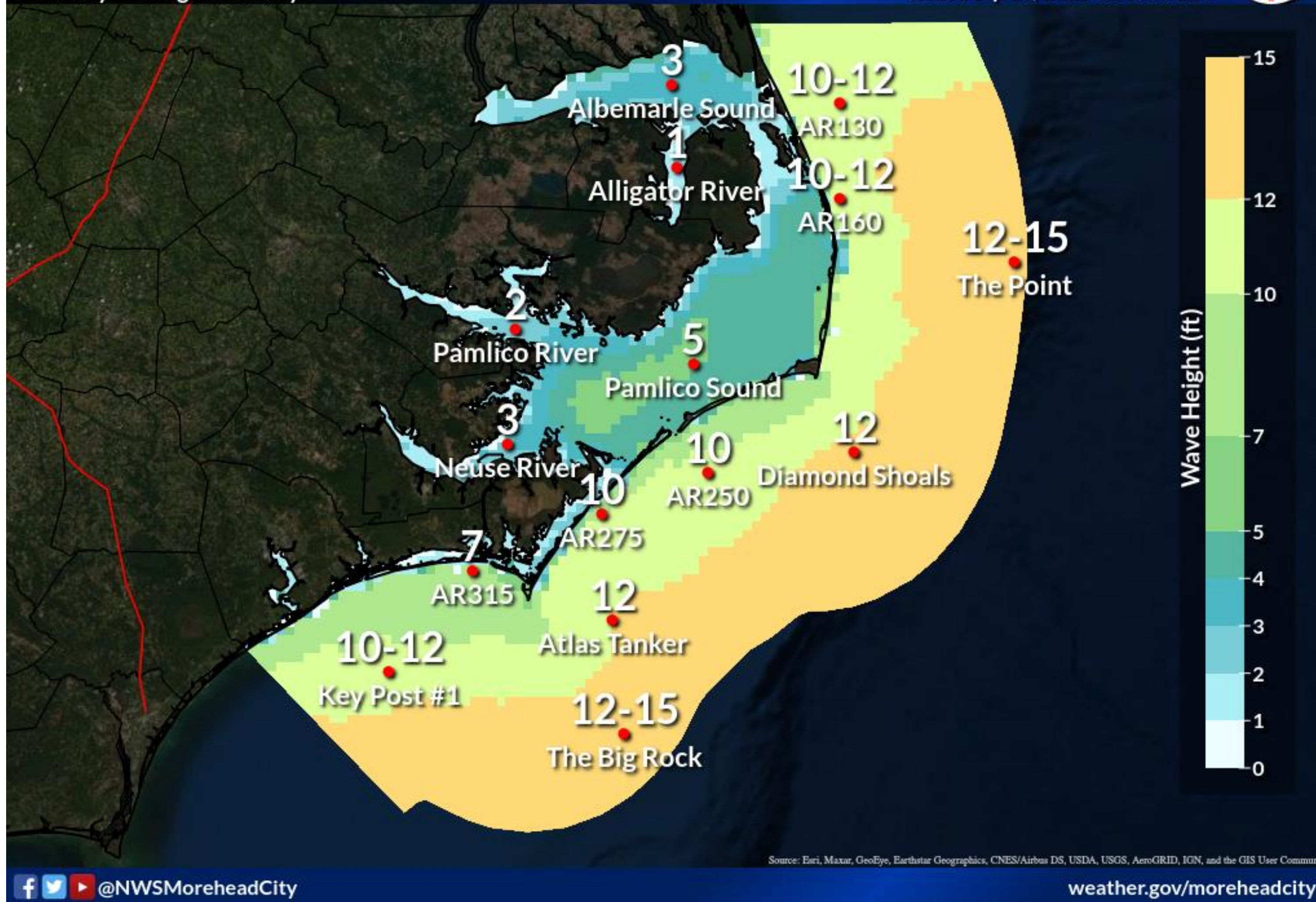
Hurricane Ian

## Max Wave Heights

Thursday Through Saturday

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Newport/Morehead City, NC

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- Dangerous seas through Saturday.
- Beach erosion is likely.
- Very dangerous beach conditions (higher threat for Rip Currents)

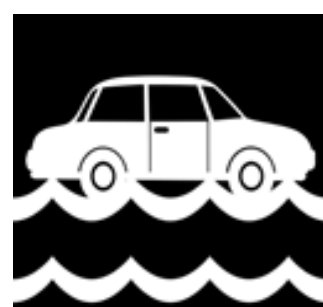




# Key Take-Aways

Hurricane Ian

Confidence is **INCREASING** that Ian will bring **MODERATE** impacts to eastern NC.



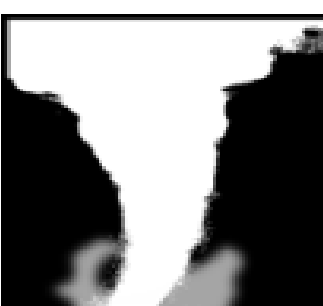
Long duration of elevated water levels. Minor to moderate coastal flooding possible through the weekend with peak values of 1-3 ft AGL possible, and up to 2 to 4 up the Neuse River.



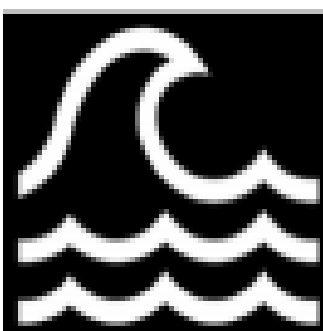
Potential for flash flooding due to heavy tropical rains, minor river flooding possible.



Prolonged period of gusty northeast/east winds Thursday through Saturday.



A few tornadoes possible Friday through Saturday.




Strong winds and large/dangerous seas 6 to 15 feet through the weekend.







# Next Briefing: Thursday by 8:00 AM ET Method: Email


 **Web:** <http://weather.gov/moreheadcity>

 **Phone:** (252) 223-5737 x6

 **E-mail:** [wxobs.mhx@noaa.gov](mailto:wxobs.mhx@noaa.gov)

 **Facebook:** NWSMoreheadCity

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For the latest graphics and information go to: [www.hurricanes.gov](http://www.hurricanes.gov) or [weather.gov/mhx/tropical](http://weather.gov/mhx/tropical)