HURRICANE IAN BRIEFING

5:00 PM ET
Thursday, September 29, 2022

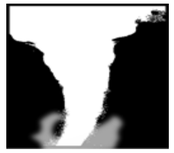
What has changed: No big changes with this update. The track with Ian continues to shift slightly east. If this trend continues, higher winds may be possible over part of our area.

Next Briefing: Friday, September 30, by 8 AM EDT

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

Situation Overview

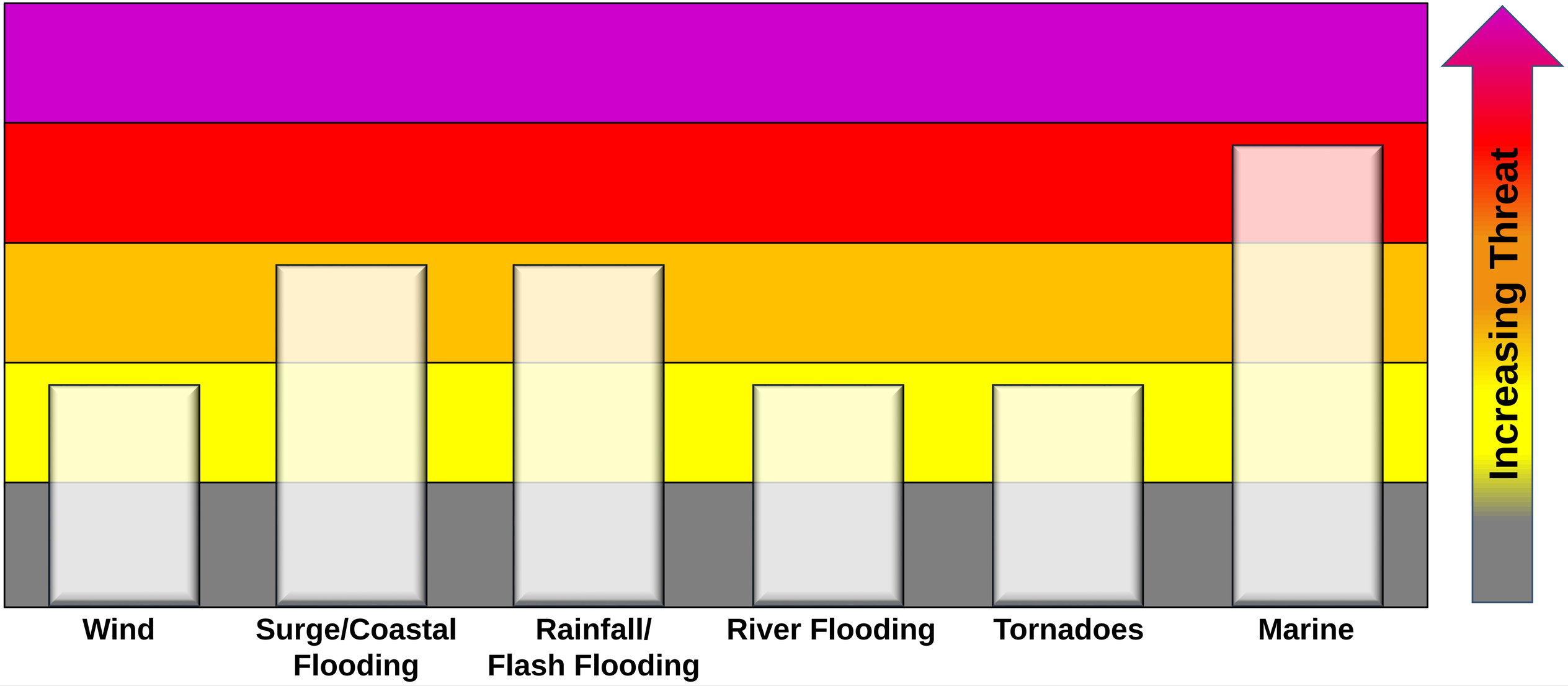
Hurricane Ian

Hazard	Impacts	Location	Timing
Coastal Flooding/ Inundation	Long duration event resulting in 2-4 ft of inundation above ground level along low lying areas. Highest confidence especially along the Neuse River.	Greatest potential across southern/western Pamlico Sound, Neuse & Bay Rivers, Pamlico River. Other areas include Oceanside OBX, Core Sound, Bogue Sound, Oceanside Crystal Coast.	Through Friday night.
Flooding Rain	Potential for flash flooding due to heavy tropical rains, minor river flooding possible.	All of Eastern NC.	Late Tonight through Friday night.
Wind	Strong NE winds will persist over an extended period, may cause isolated tree damage and power outages.	All of Eastern NC.	Through Friday night.
 Tornado	A few tornadoes possible.	All of Eastern NC.	Late Tonight through Friday.
Marine	Strong winds and large/dangerous seas 6 to 15 feet.	Coastal waters and eastern sounds/tidal rivers.	Through Sunday.

Threat Levels

Hurricane Ian

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

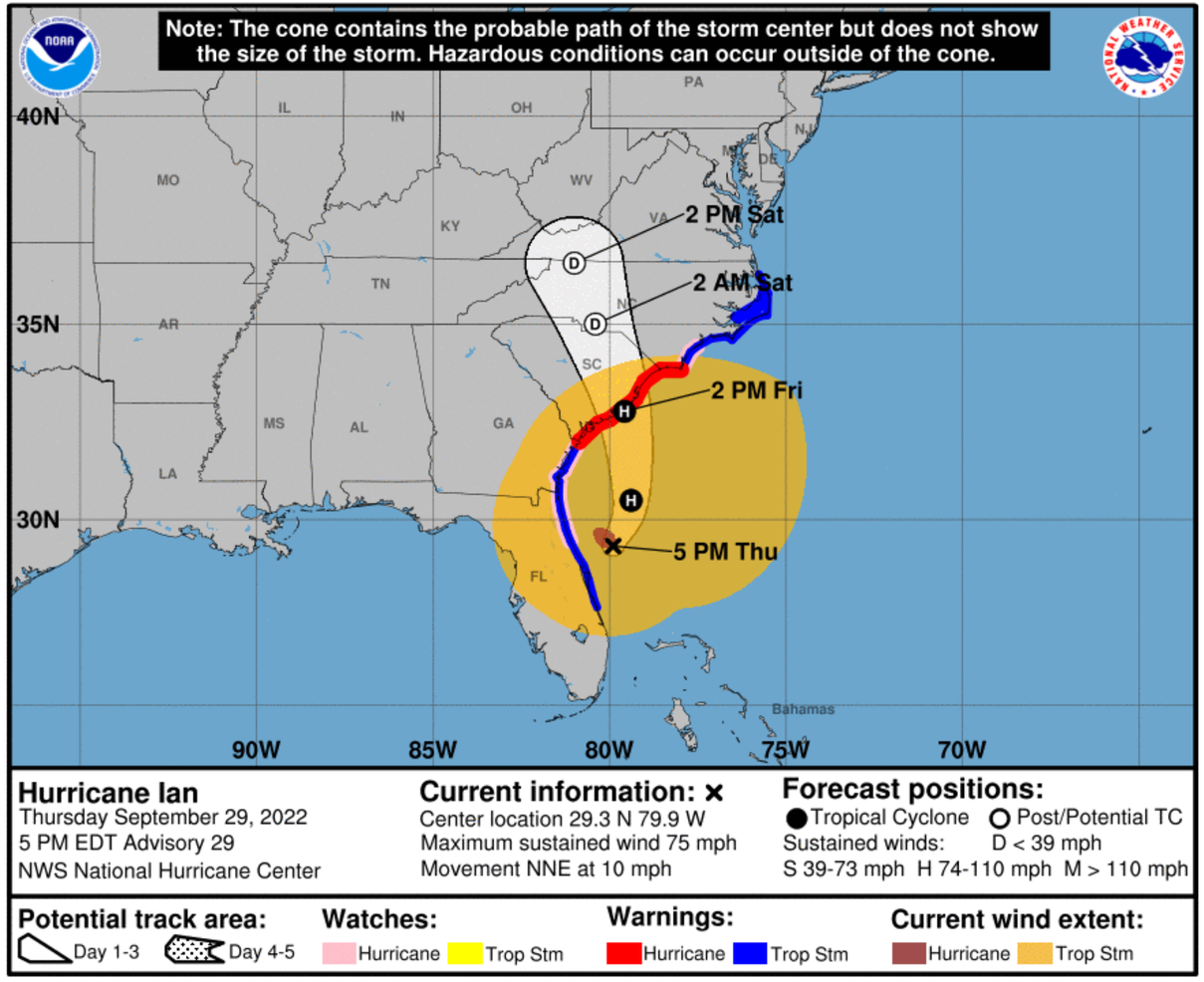


Last Updated: 9/29/2022 5:13 PM

National Weather Service – Morehead City, NC

Situation Overview

Hurricane Ian

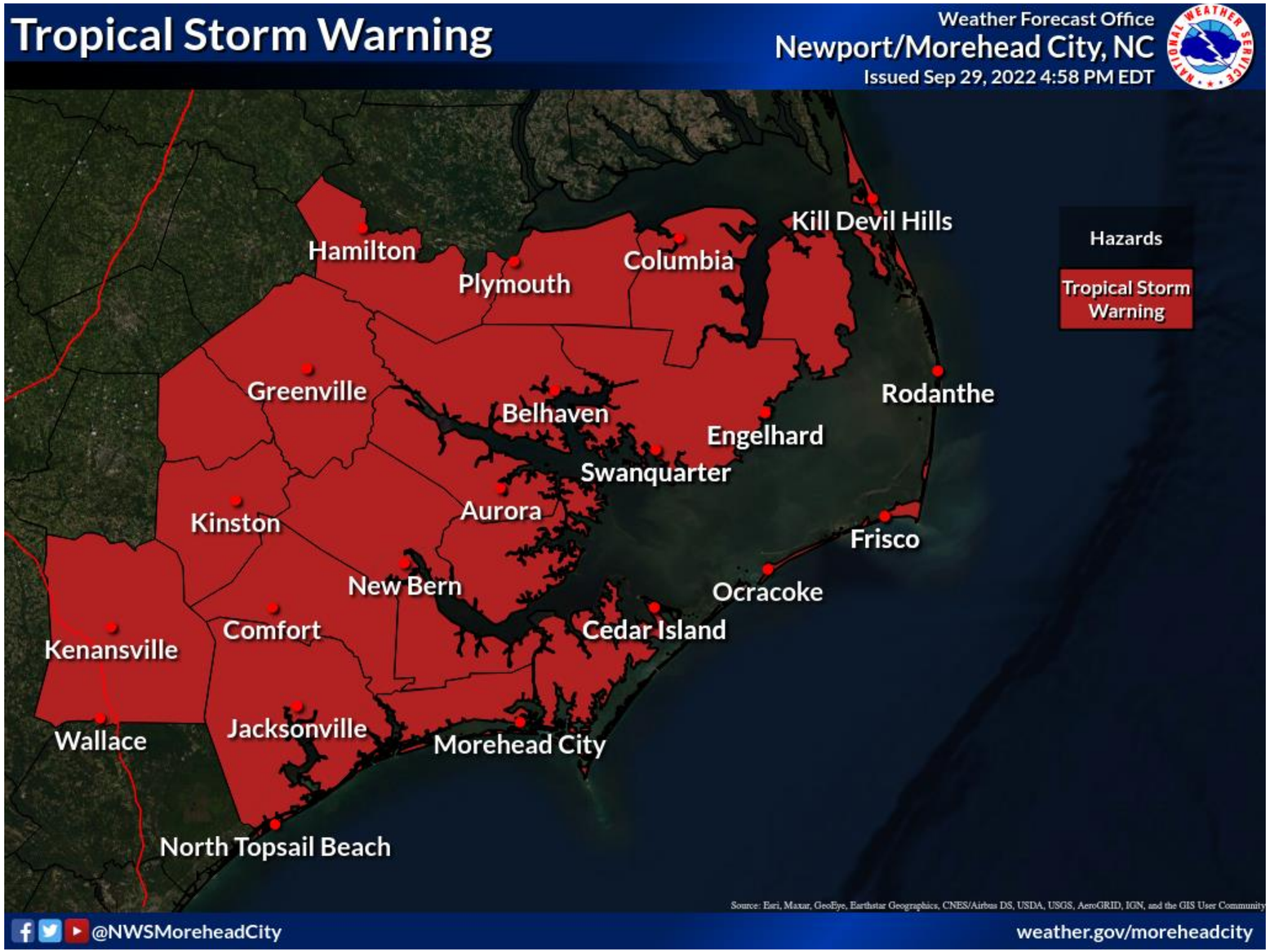


***NOTE**: Do not focus on the exact track.*
Impacts can occur well outside the area enclosed by the cone.

- This will be a prolonged impact of wind, rain, and elevated water levels.
- We are already experiencing higher than normal water levels due to a persistent, strong northeast winds.
- These winds will eventually shift to the southeast as Ian approaches the South Carolina coast Friday.
- Ian has a VERY LARGE wind field. Remember that impacts can occur WELL away from the center of the storm regardless of where it makes landfall.

Tropical Storm Warnings

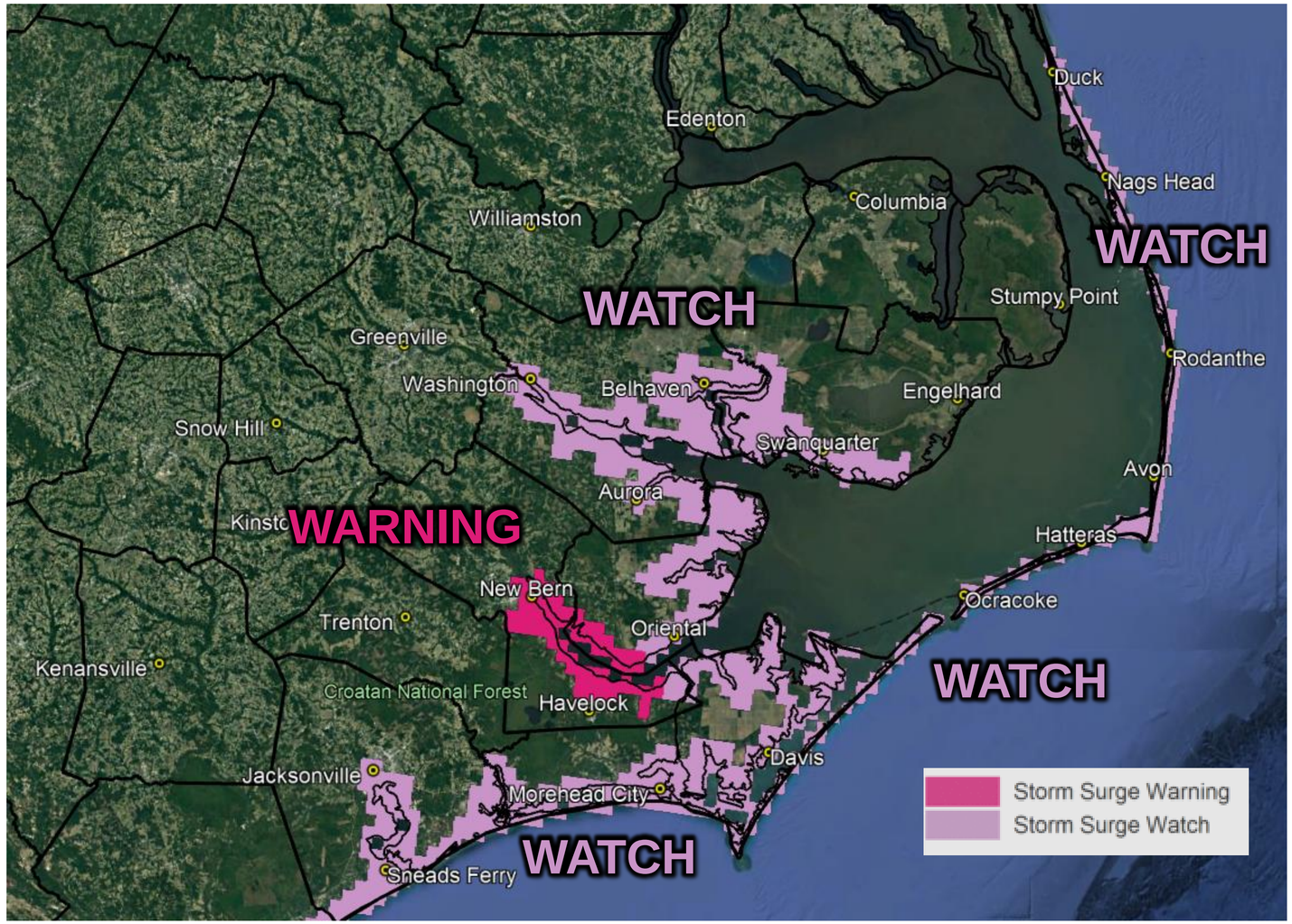
Hurricane Ian



- A Tropical Storm WARNING remains in effect for the entire area.

Storm Surge WATCH/Warning

Hurricane Ian

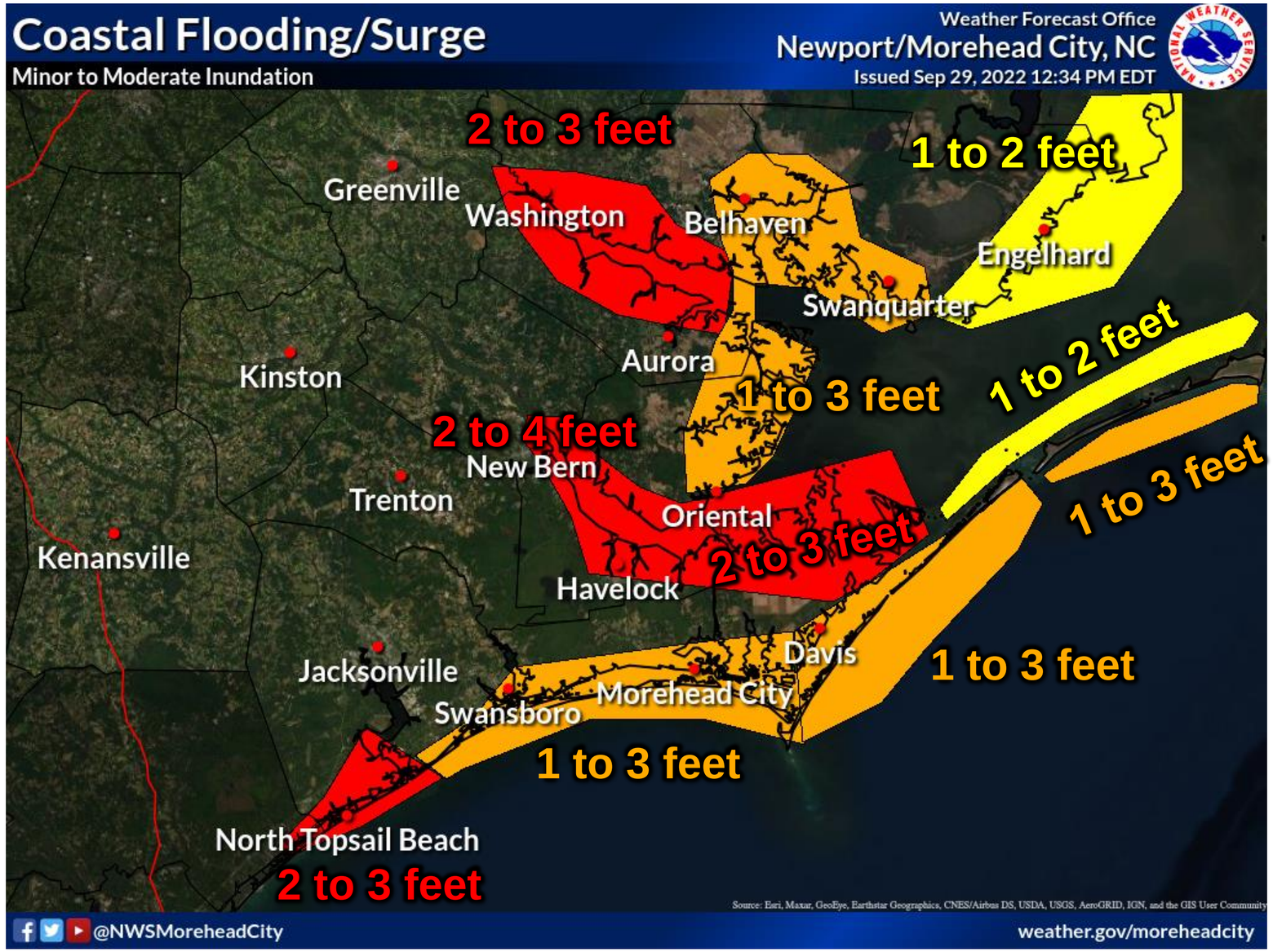


- Storm Surge WARNING in effect for the Neuse River. Higher confidence of 2 to 4 feet of inundation.

- Storm Surge WATCH in effect from Surf City to Duck. Also along the western Pamlico Sound, including the Pamlico, Pungo and Bay Rivers. Lower confidence of 2 to 4 feet of inundation.

Storm Surge/Coastal Flooding

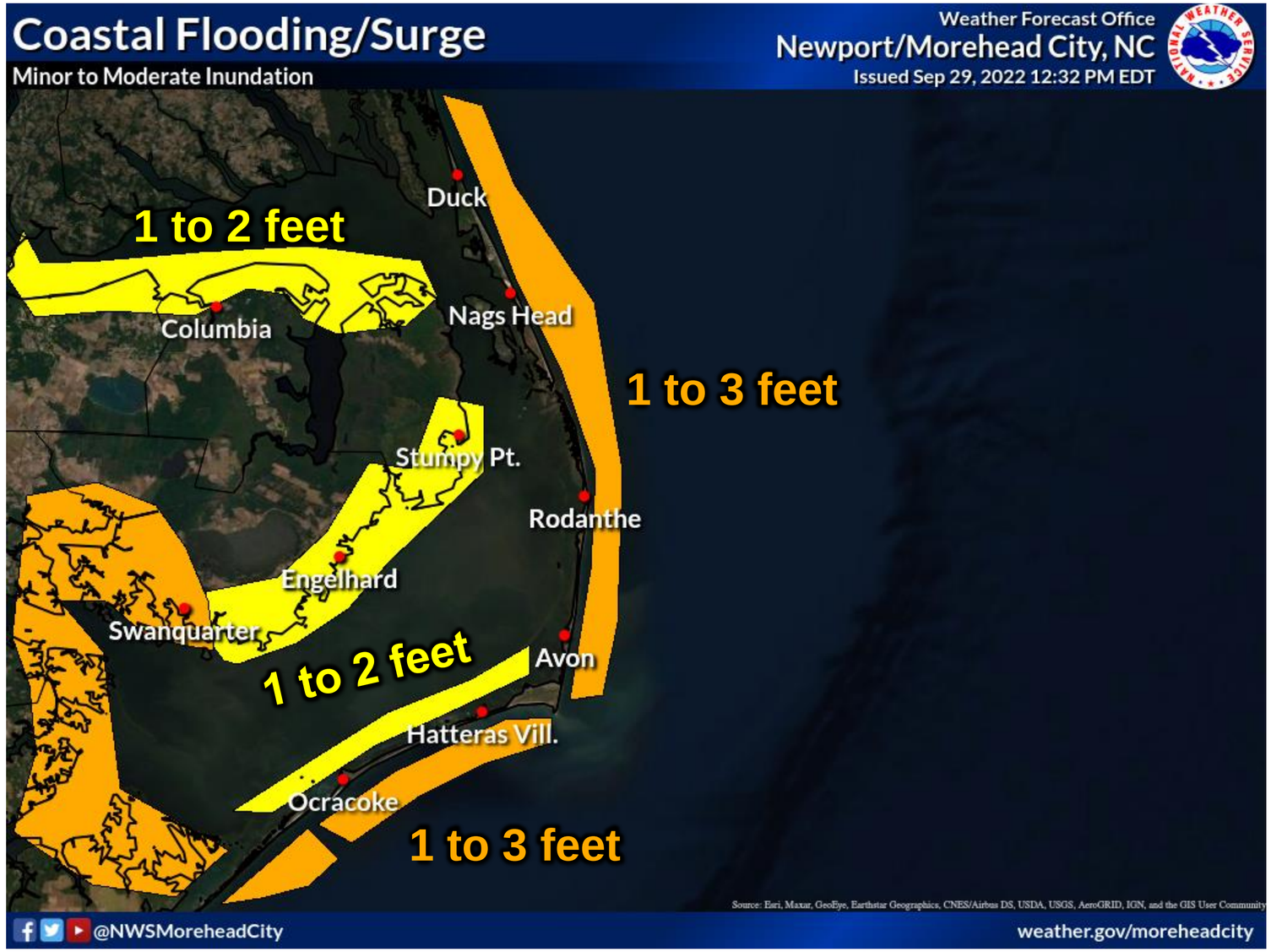
Hurricane Ian



- Minor to moderate coastal flooding
- **2 to 4 feet** of inundation possible for low lying areas along the Neuse River.
- **2 to 3 feet** possible near North Topsail Beach, Downeast Carteret and along the Pamlico River.
- **1 to 3 feet** of inundation possible for low-lying areas; southern and western Pamlico Sound, Bay & Pungo Rivers, and Oceanside Ocracoke Island.

Storm Surge/Coastal Flooding

Hurricane Ian



- Long duration of strong Northeast to East winds will produce minor to moderate coastal flooding. Winds shift to the southeast during the day Friday.

- Elevated water levels will occur over multiple tide cycles through Saturday.

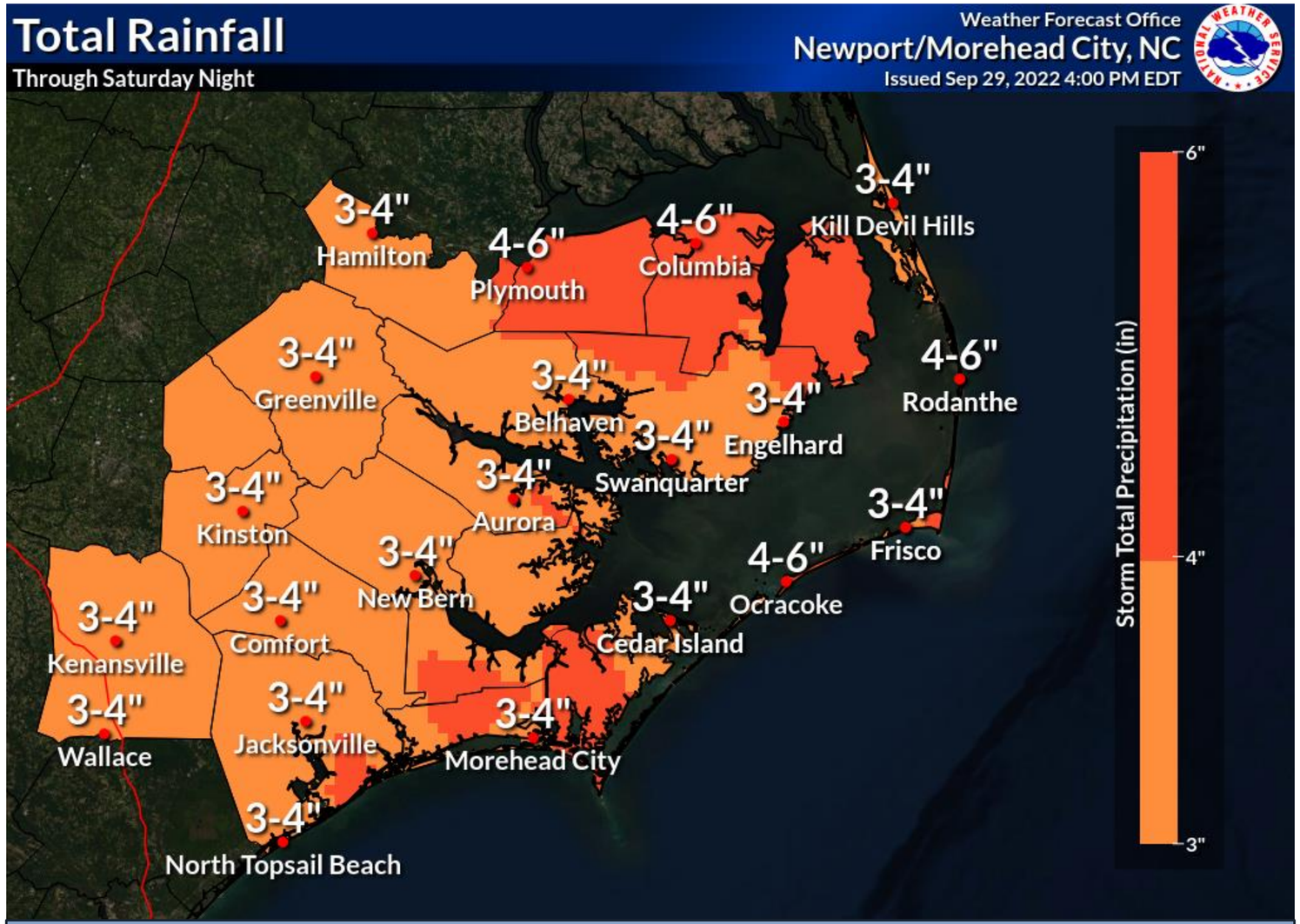
- Ocean overwash possible especially in areas that experienced a loss of dunes over the past few weeks.

- **1 to 3 feet** of inundation possible in low-lying areas; Oceanside Outer Banks (including Hatteras and Ocracoke Island).

- **1 to 2 feet** possible Soundside Ocracoke and Hatteras Island, southern Albemarle Sound.

Expected Storm Total Rainfall

Hurricane Ian

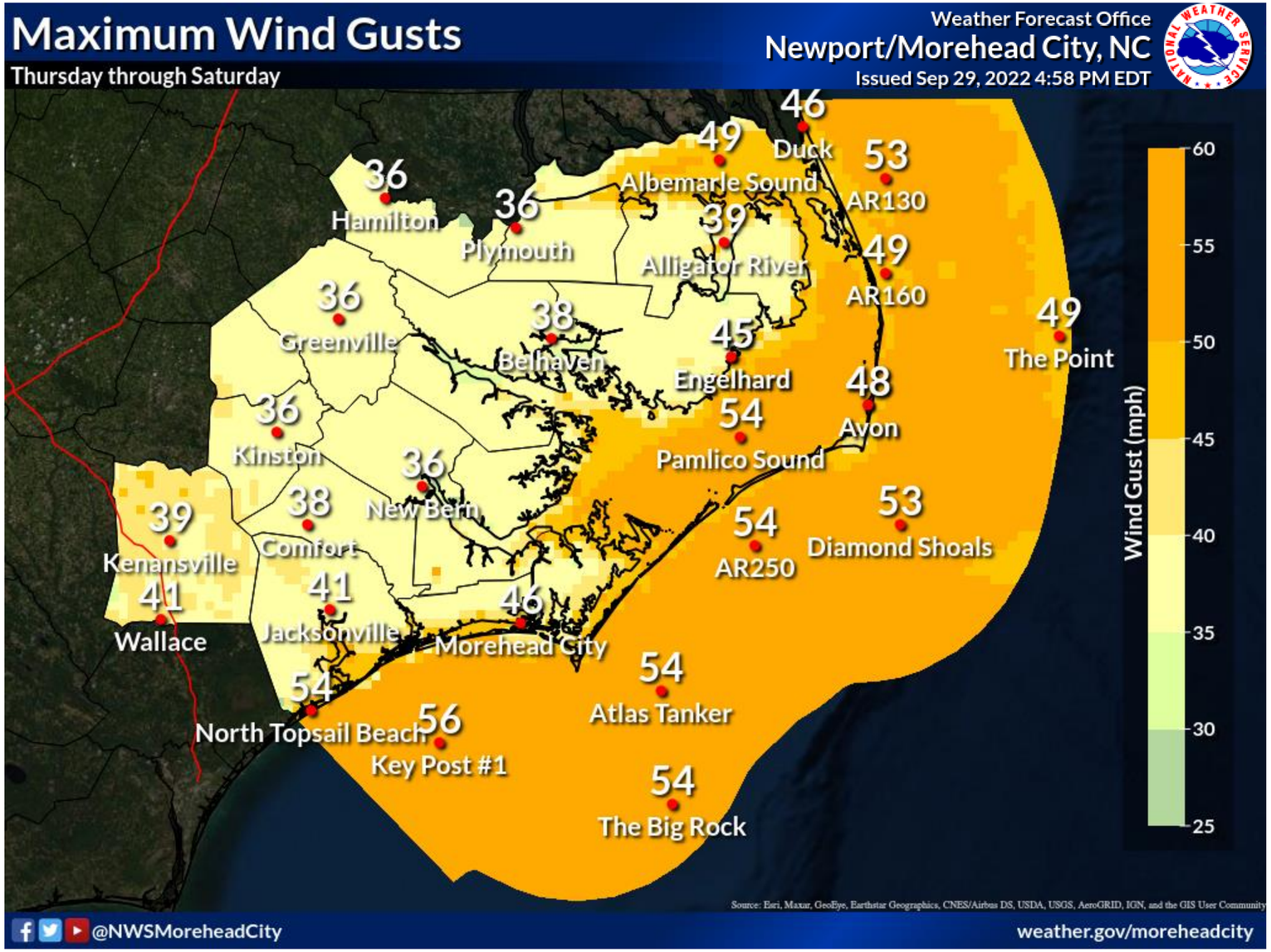


Note: Locally higher rainfall amounts possible.

- Average amounts of 3” to 4.5” expected
- Localized flash flooding is possible.
- Heaviest rain falls tonight into Friday evening.
- Flash flooding is possible in the areas of heaviest rainfall.

Maximum Wind Gusts

Hurricane Ian

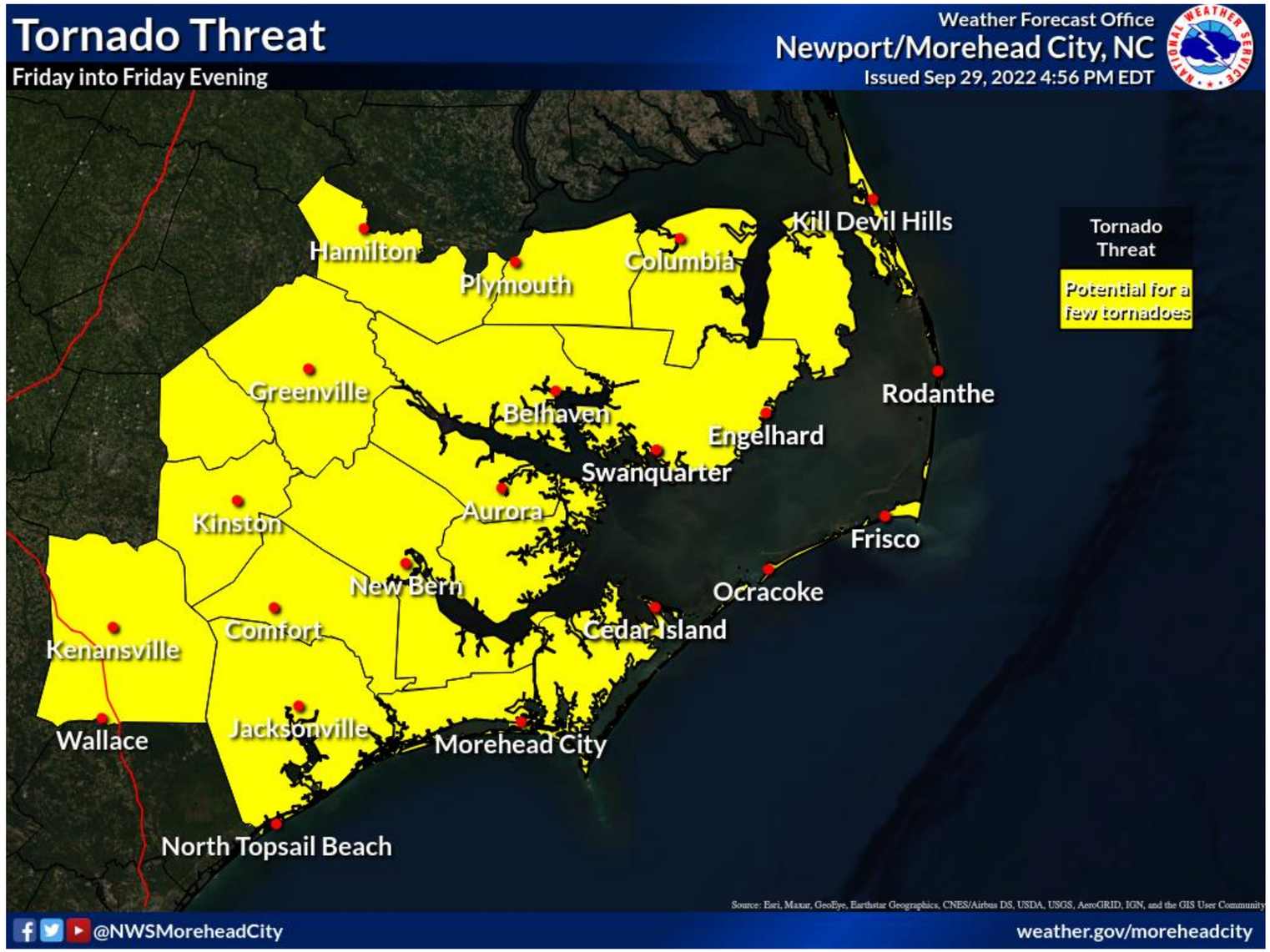


Strong northeast winds through midday Friday will continue to cause elevated water levels. Winds shift to southeast by Friday afternoon, shifting the focus of higher water.

- While the entire area will be breezy, strongest winds will occur near the coast.
- If the track with Ian continues to shift east, stronger winds are possible from Onslow through western Jones, Duplin and Lenoir Counties.

Potential Tornado Impacts

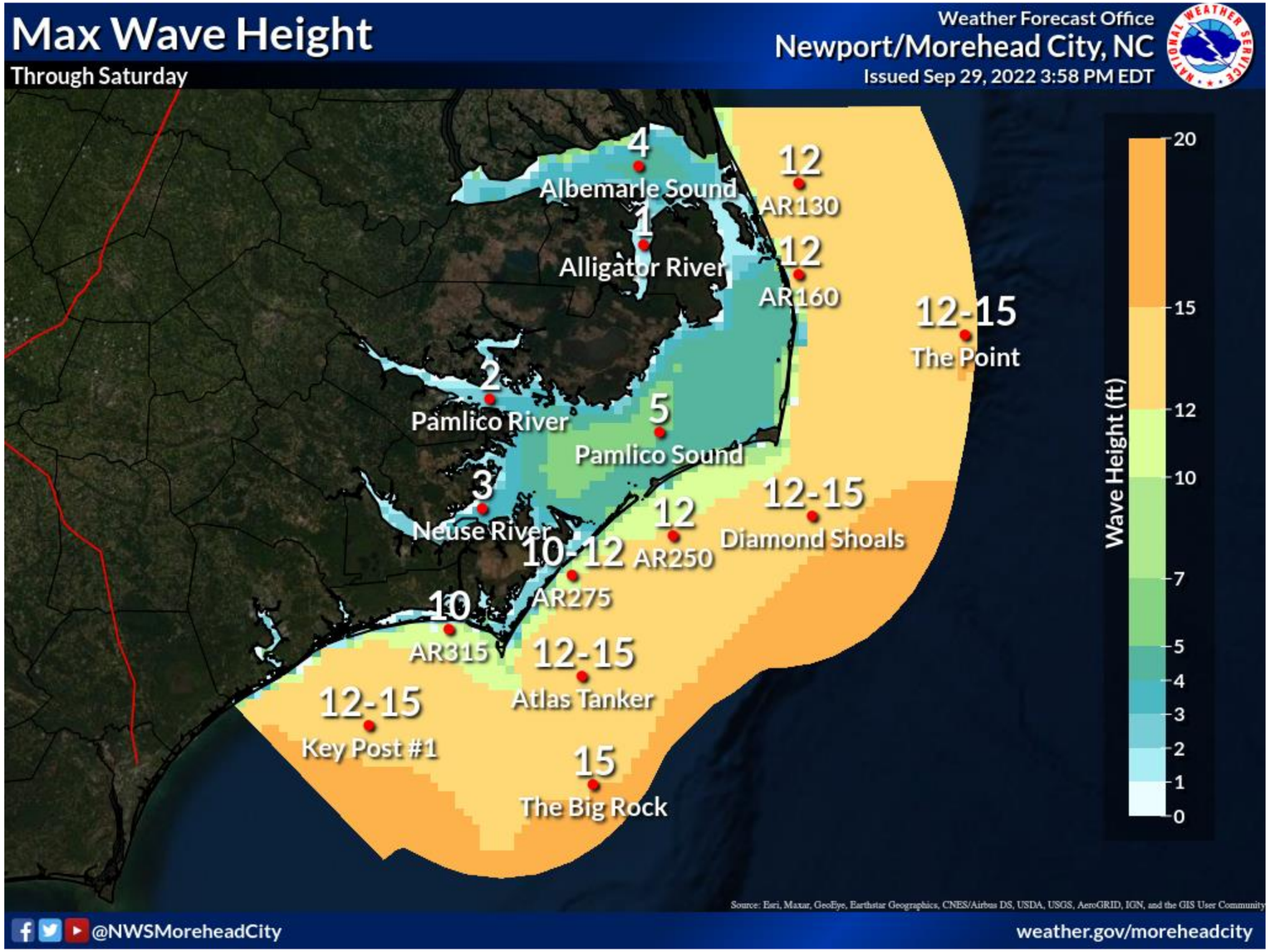
Hurricane Ian



- A few tornadoes are possible late tonight into Friday evening.
- Have multiple ways to get warnings and be able to seek shelter quickly.

Dangerous Marine Conditions

Hurricane Ian



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

Key Take-Aways

Hurricane Ian

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

Long duration of elevated water levels. Minor to moderate coastal flooding possible through Friday night with peak values of 2-4 ft above ground level. Highest confidence of 2 to 4 feet is along the Neuse River.

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

Prolonged period of gusty northeast/east winds through Friday night.

A few tornadoes possible tonight through Friday.

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

Next Briefing:
Friday by 8:00 AM ET
Method: Email

Web: http://weather.gov/moreheadcity

Phone: (252) 223-5737 x6

E-mail: wxobs.mhx@noaa.gov

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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/mhx/tropical