



Potential Tropical Cyclone Sixteen Briefing

7:30 AM

Friday, Sep 22, 2023




What has changed:

Tropical Storm Warnings expanded to include Duplin County.
Rainfall amounts unchanged, but we focused where the main flooding threat is.



Situation Overview



Potential Tropical Cyclone Sixteen

Hazard	Impacts	Location	Timing
 Storm Surge & Inundation	Moderate impacts: Up to 2-5 ft of inundation could result in flooding of some very low-lying roadways and properties.	All of coastal eastern NC, with greatest confidence around the lower Pamlico and Neuse Rivers. Also soundside Outer Banks.	Now through Saturday night.
 Wind	Moderate impacts: Tropical storm force winds could result in scattered tree damage and power outages.	All of eastern North Carolina with the strongest winds extending from the Cape Lookout area across the OBX.	Now through Saturday.
 Flooding Rain	Moderate impacts. Widespread 3-5 inches, with localized amounts around 7 inches, will could produce localized flash flooding, especially for urban and poor drainage areas.	Flash flooding threat extends across all of eastern NC, with greatest rainfall amounts expected along and east of US Hwy 17.	Now through Saturday.



Situation Overview

Potential Tropical Cyclone Sixteen

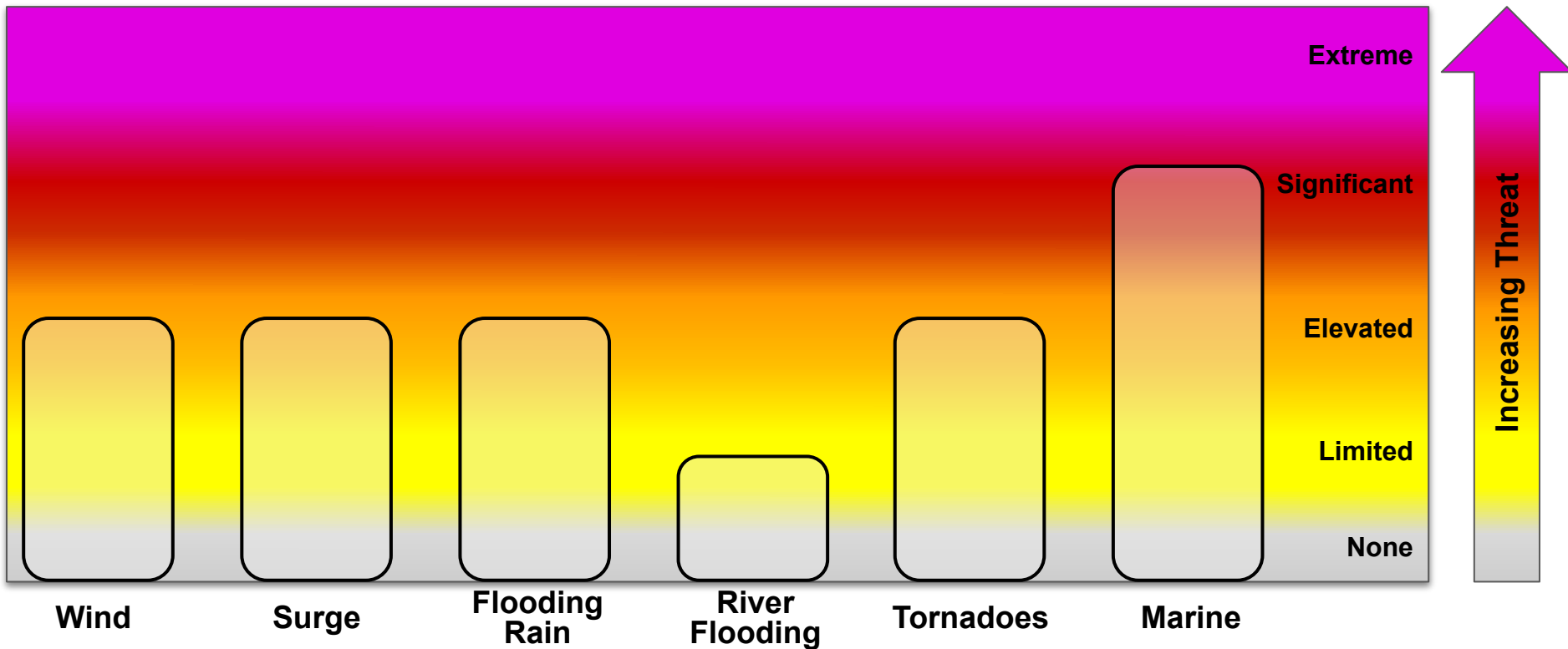
Hazard	Impacts	Location	Timing
 <p>Tornado</p>	<p>Moderate impacts: Several tornadoes are possible. A few places may experience tornado damage, along with power and communications disruptions.</p>	Coastal North Carolina	Friday through Saturday.
 <p>Marine</p>	<p>Significant impacts: Large dangerous seas, tropical storm force winds will produce life threatening conditions to mariners.</p>	All of NC coastal waters and sounds.	Friday morning through Saturday night.



Threat Levels

Potential Tropical Cyclone Sixteen

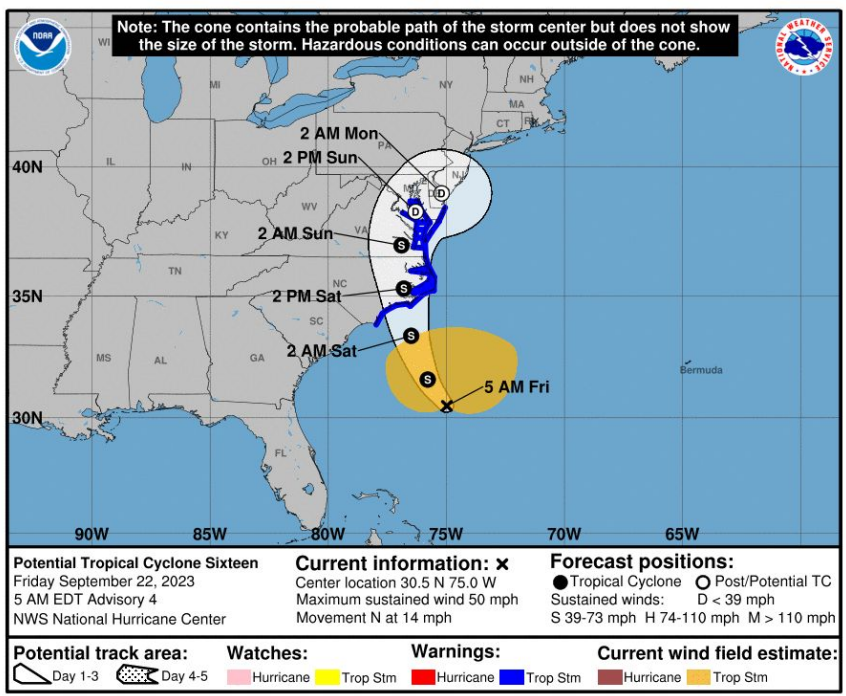
For information on specific hazards in this area, please go to: <https://www.weather.gov/srh/tropical?office=mhx>





Situation Overview

Potential Tropical Cyclone Sixteen



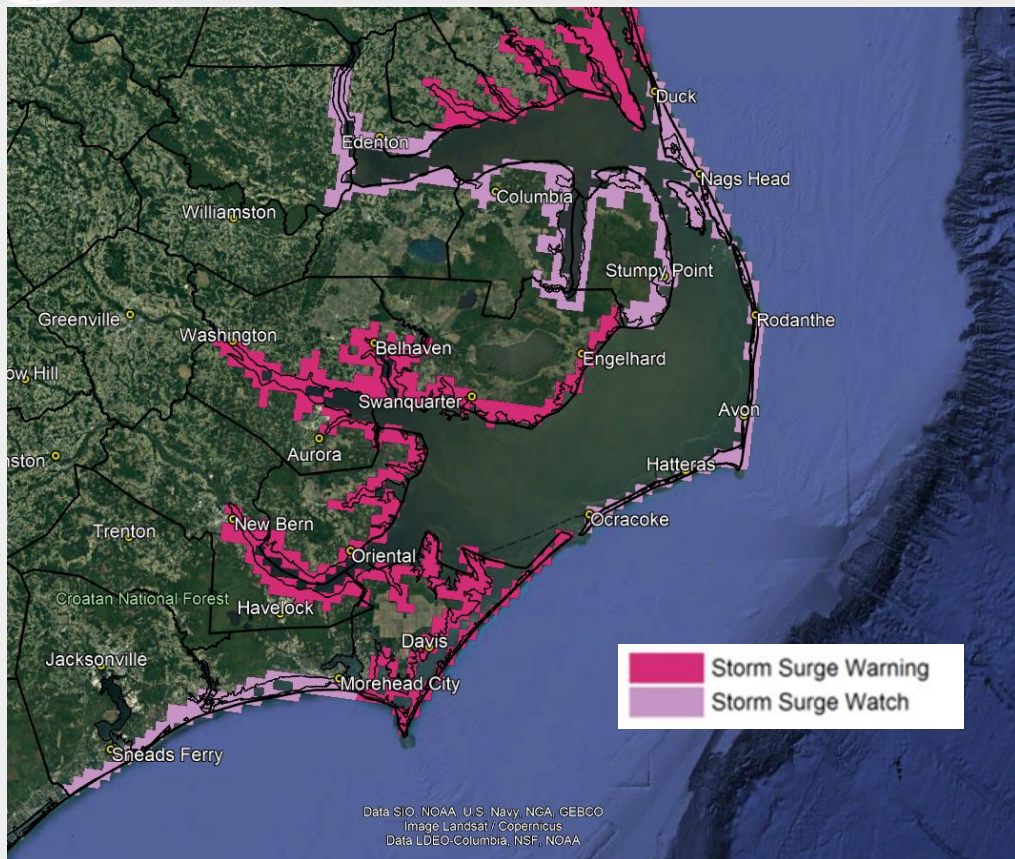
NOTE: Do not focus on the exact track.
Impacts can occur well outside the area enclosed by the cone.

- Low pressure off the Southeast coast could become tropical or subtropical sometime today.
- Regardless of tropical development, the low will move toward Eastern North Carolina, bringing impacts to our area today through Saturday.
- The wind field is quite large, and WILL extend far from the actual center. Remember impacts CAN and WILL occur outside of the forecast cone.



Storm Surge Watches/Warnings

Potential Tropical Cyclone Sixteen

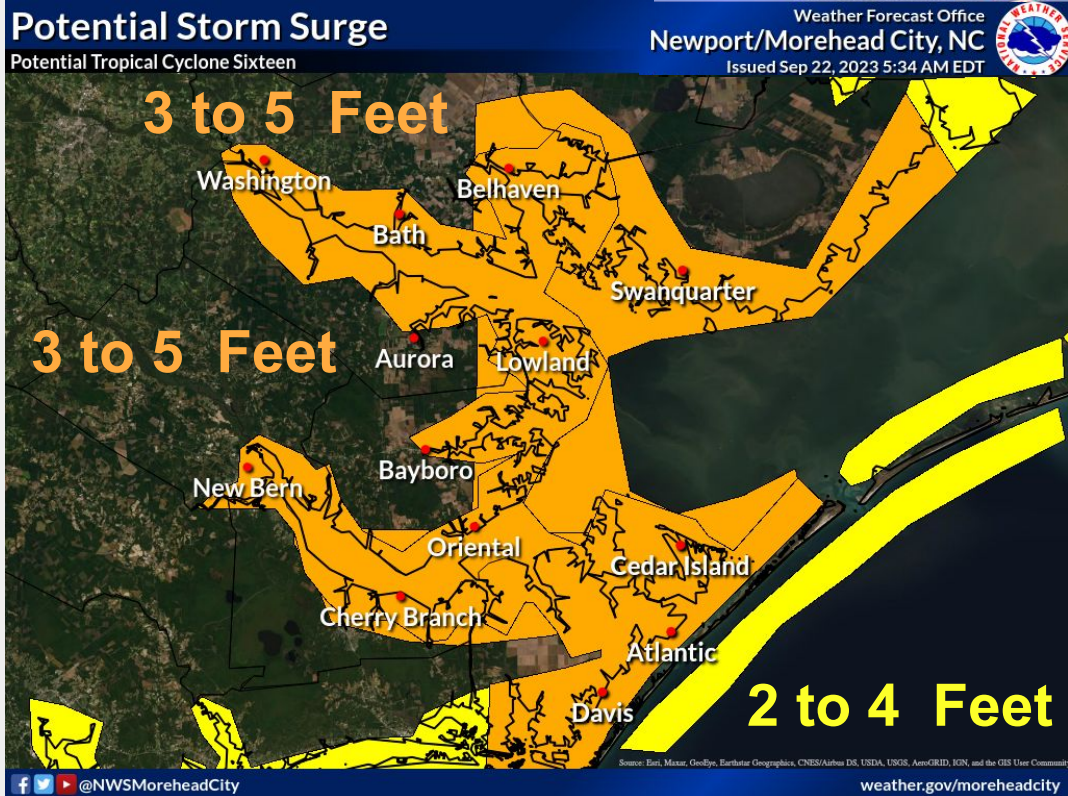


- Storm Surge Warning in effect for **Dark Pink Shaded Areas**
- Storm Surge Watch in effect for **Purple Shaded Areas**



Potential Storm Surge Impacts

Potential Tropical Cyclone Sixteen



- Moderate impact

(Orange Shaded Area):

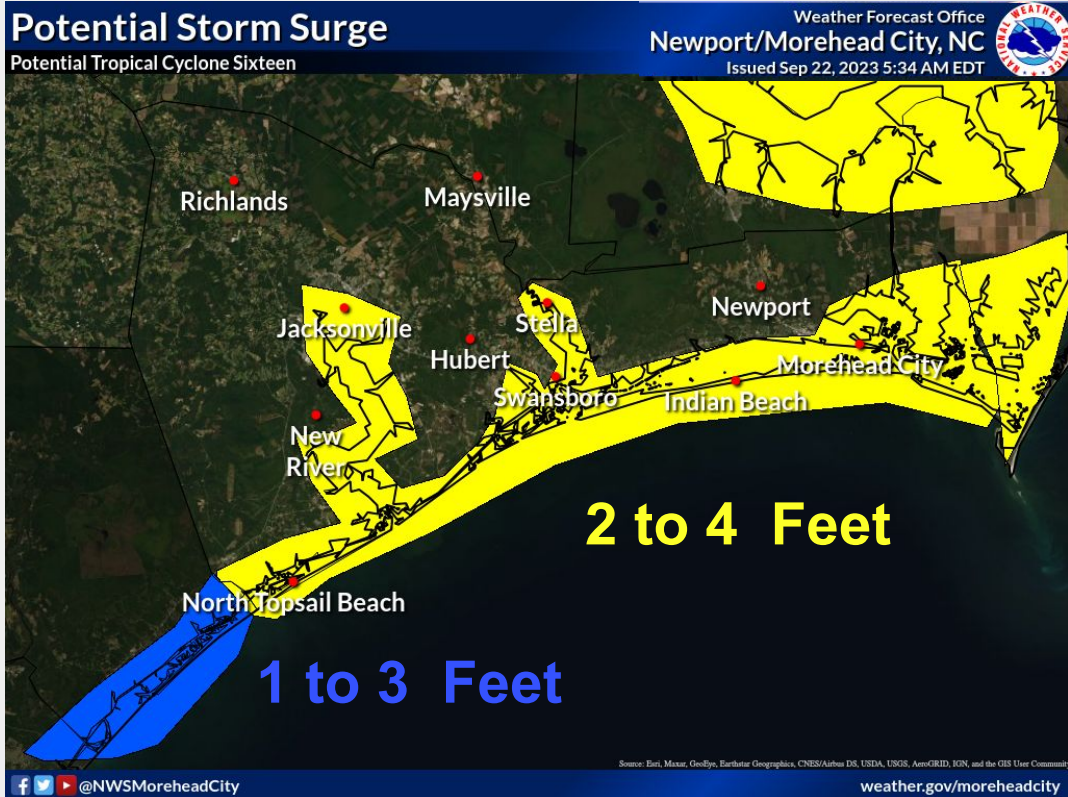
Areas of inundation with moderate damage to marinas and docks.

Sections of near-shore escape routes and secondary routes become washed out, especially in vulnerable low spots.



Potential Storm Surge Impacts

Potential Tropical Cyclone Sixteen



- Moderate impact

(Yellow shaded areas):

Areas of inundation with moderate damage to marinas, docks.

- Elevated impact

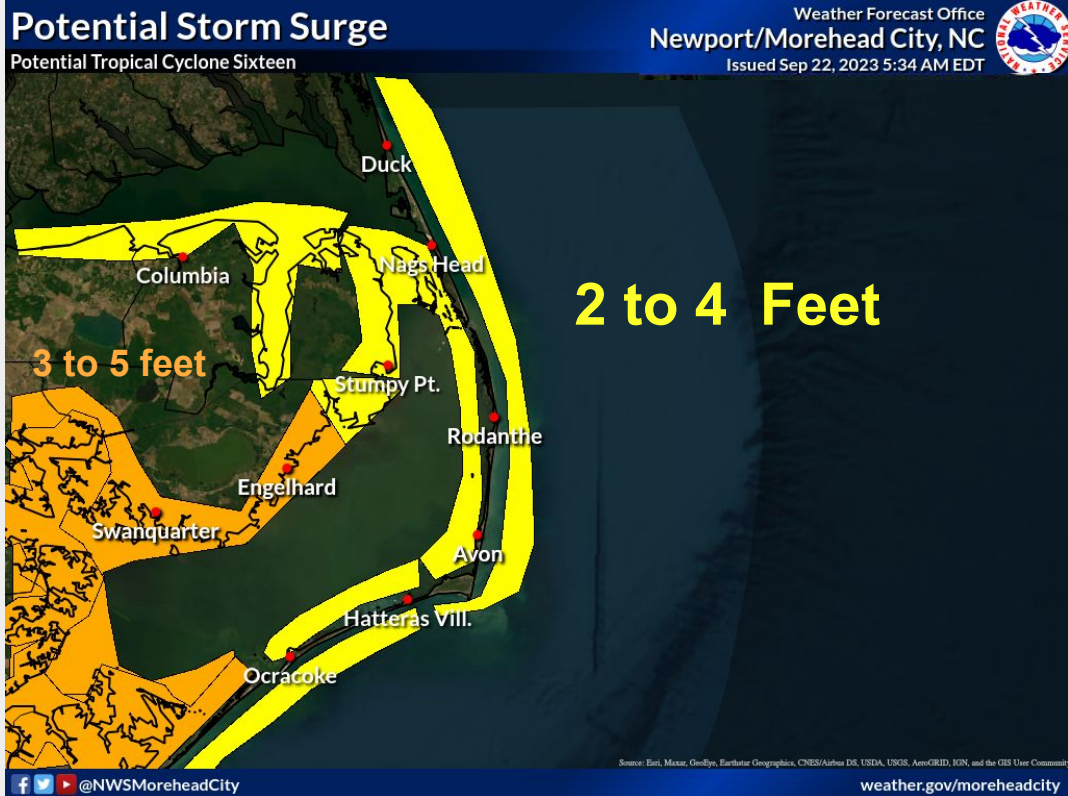
(Blue Shaded Areas):

Localized inundation, mainly along immediate shorelines and in low-lying spots.



Potential Storm Surge Impacts

Potential Tropical Cyclone Sixteen



- Moderate impact
(Yellow Shaded Areas):
- **Potential for rapid water level rises (soundside) Saturday or Saturday evening.**

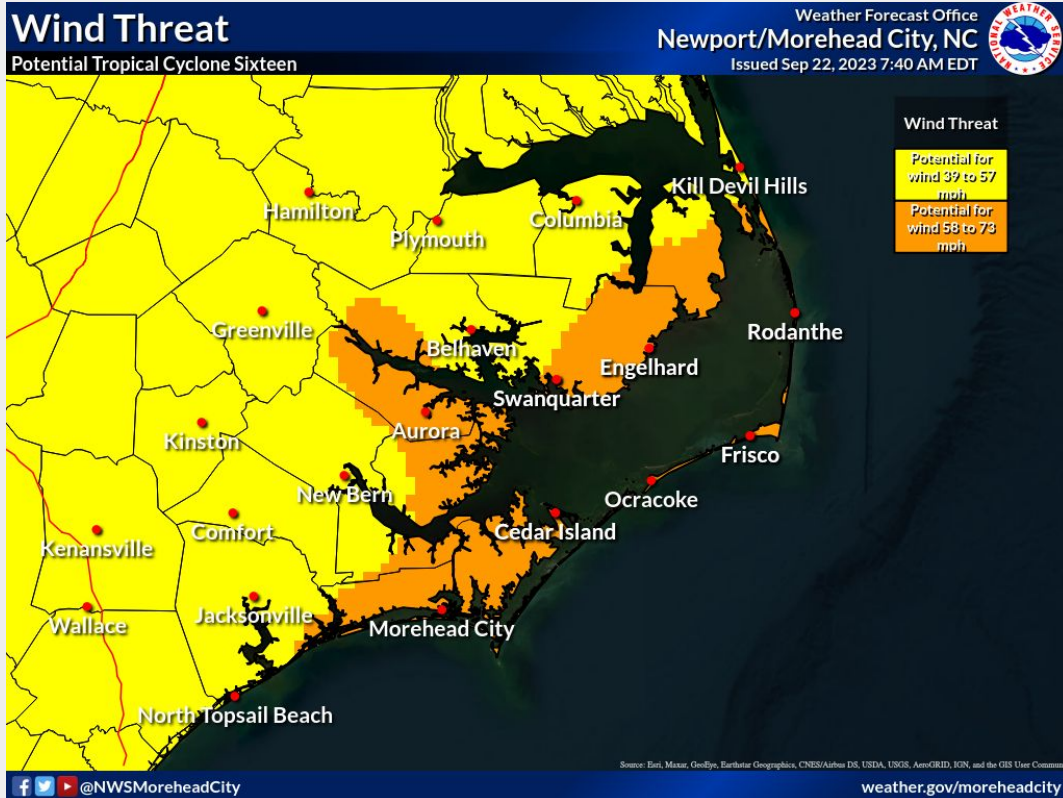
Areas of inundation with storm surge flooding accentuated by waves.

Moderate beach erosion and localized ocean over wash.



Wind Threat / Potential Impact

Potential Tropical Cyclone Sixteen



There is a potential for:

- Scattered power and communication outages.
- Highest potential will be in the **Orange Shaded** area, closer to the coast.



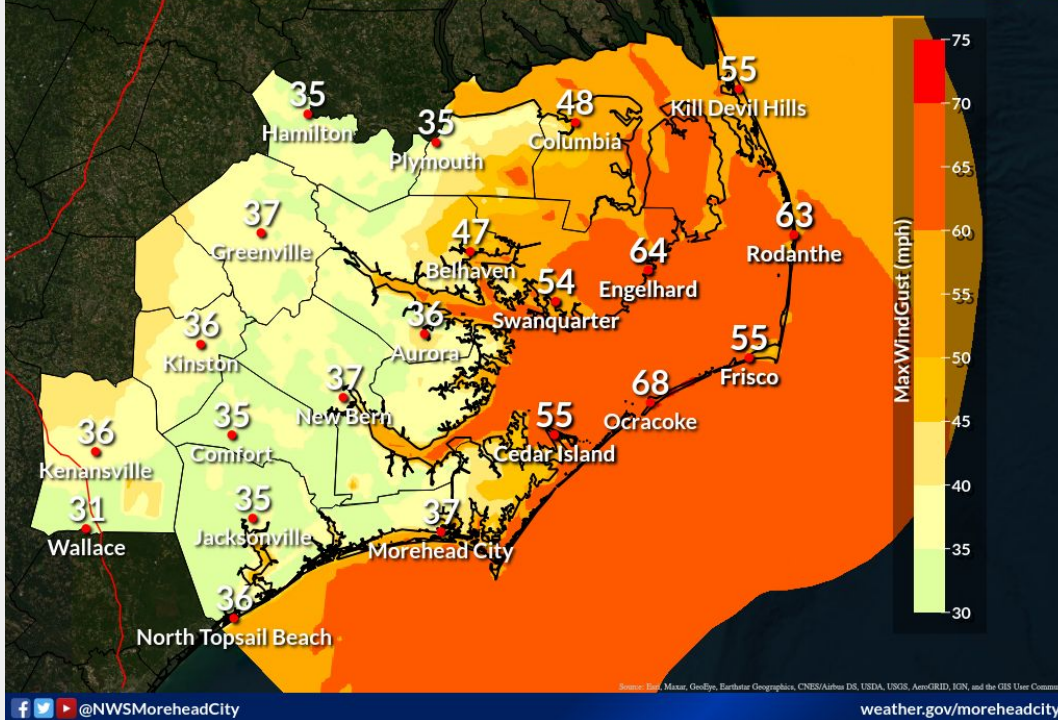
Maximum Wind Gusts

Potential Tropical Cyclone Sixteen

Maximum Wind Gusts

Potential Tropical Cyclone Sixteen

Weather Forecast Office
Newport/Morehead City, NC
Issued Sep 22, 2023 7:29 AM EDT



- Highest wind speeds expected near the coast.
- Tropical storm force winds are most likely by late morning.
- Strongest winds are expected this afternoon into Saturday.



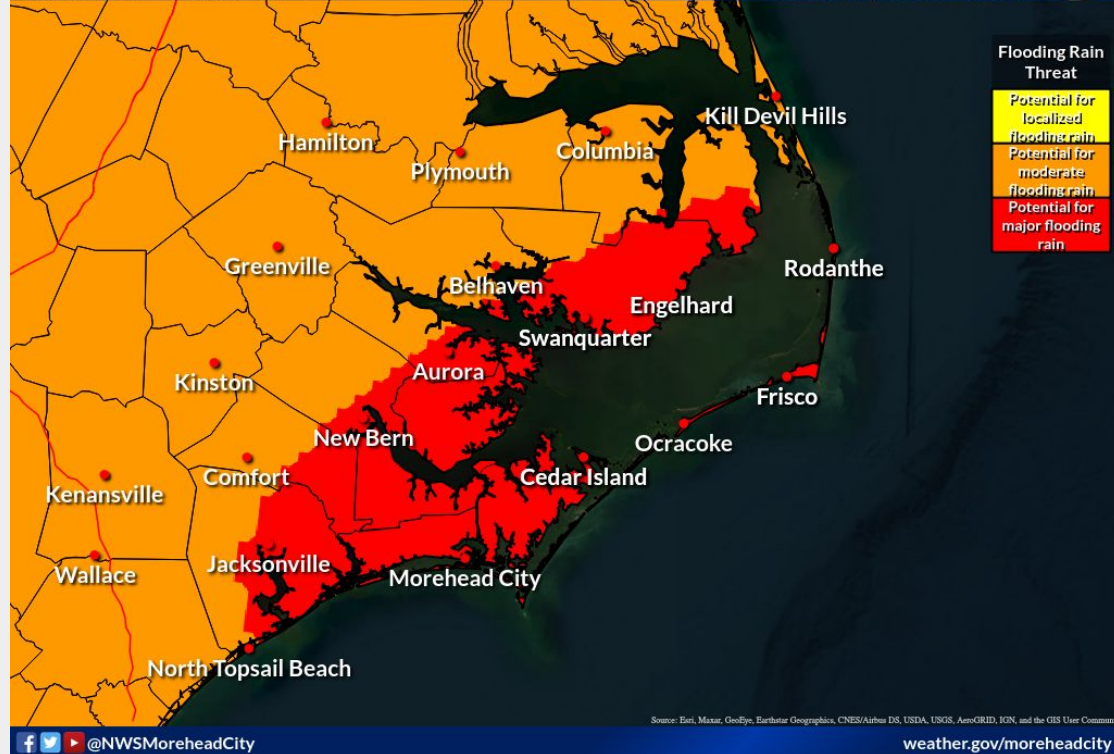
Inland Flooding Impacts

Potential Tropical Cyclone Sixteen

Flooding Rain Threat

Potential Tropical Cyclone Sixteen

Weather Forecast Office
Newport/Morehead City, NC
Issued Sep 22, 2023 5:34 AM EDT



- Areas shaded **Red** have the greatest potential for flash flooding through Saturday.
- Localized flash flooding, especially in urban and poor drainage areas.
- Do not drive through flooded roads. The majority of flood deaths are in vehicles. Turn around don't drown.



Expected Storm Total Rainfall

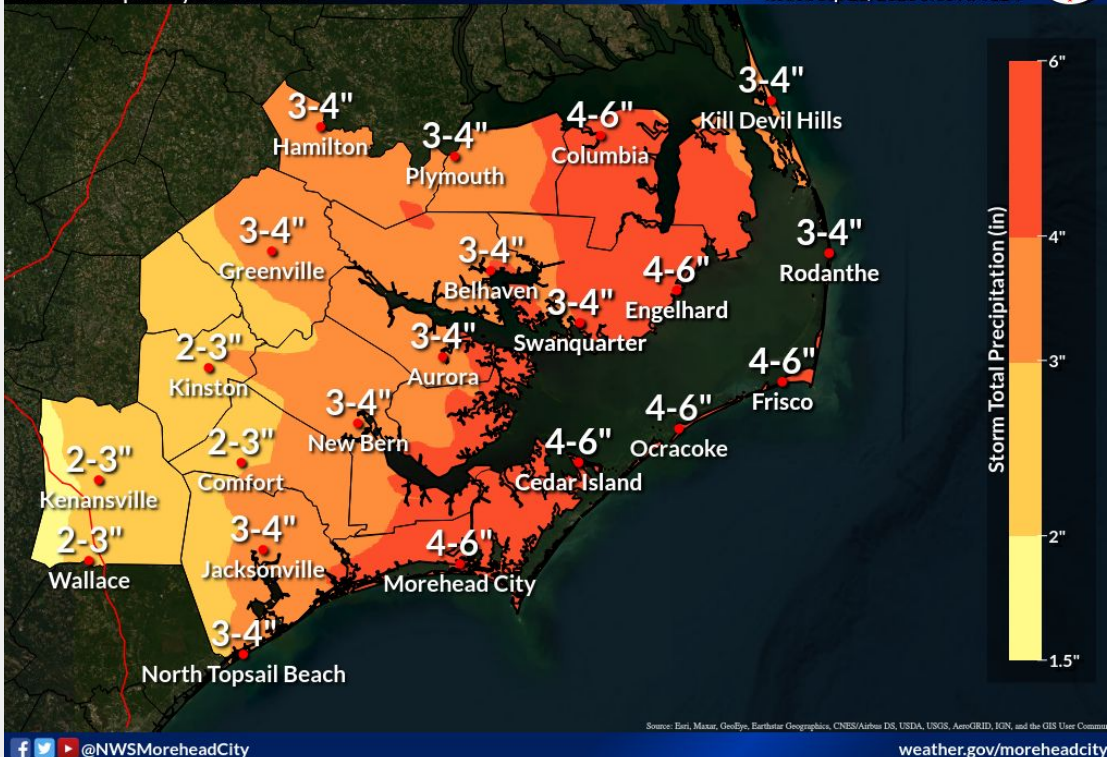
Potential Tropical Cyclone Sixteen

Total Rainfall Through Saturday

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Weather Forecast Office
Newport/Morehead City, NC

Issued Sep 22, 2023 5:35 AM EDT



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

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- Flood Watch in effect.
- An average of **3" to 5"** of rain is expected with isolated totals **up to 7"** possible.
- In the heaviest bands of rain, localized flash flooding is possible.



Potential Tornado Impacts

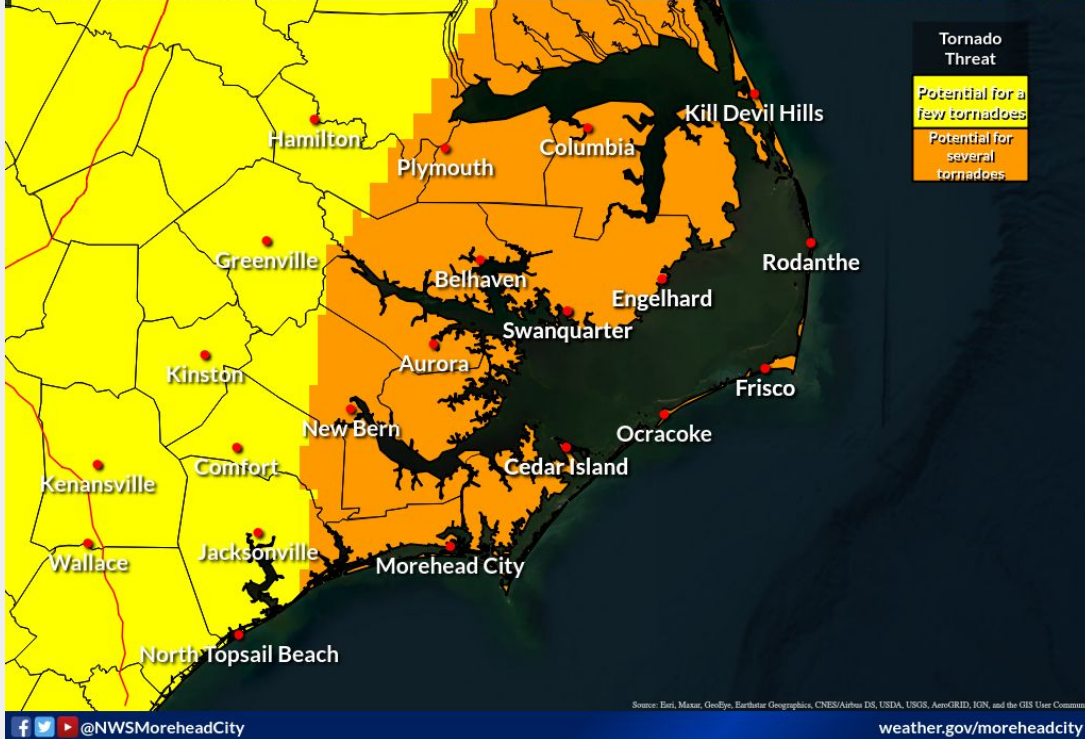
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Tornado Threat

Potential Tropical Cyclone Sixteen

Weather Forecast Office
Newport/Morehead City, NC

Issued Sep 22, 2023 7:40 AM EDT



- Highest threat in **Orange shaded areas.**
- Potential for several tornadoes in orange shaded areas.
- A few places may experience tornado damage, along with power and communications disruptions.
- **Nighttime tornadoes are particularly dangerous!** Have multiple ways to receive warnings, and at least one that can wake you up at night!



Rip Currents/Beach Erosion/Overwash

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RIP CURRENTS

Know your options

The diagram illustrates the flow of rip currents. It shows a central area where water is being pulled away from the shore, labeled "RIP CURRENT". Two arrows labeled "CURRENT" point towards this central area from the left and right. Two red arrows labeled "ESCAPE" point away from the central area towards the left and right. A person is shown in the water, with arrows indicating the direction of the rip current and the escape routes. A person is also shown standing on the beach, looking out at the water.

Rip currents are powerful currents of water moving away from shore. They can sweep even the strongest swimmer away from shore. If at all possible, swim near a lifeguard.

- **Dangerous Rip Currents are expected through the weekend.**
- Beach erosion and ocean overwash continuing through Saturday.



Key Take-Aways

Potential Tropical Cyclone Sixteen

Confidence is **HIGH** that the event will occur
Confidence is **HIGH** regarding impacts



Storm surge inundation around 2-5 ft above ground is possible across coastal areas, with greatest confidence in impacts around the lower Pamlico and Neuse Rivers.



Tropical storm force winds possible across much of the area with scattered tree damage and power outages possible.



Flood Watch now in effect. Widespread rainfall of 3-5 inches, with locally up to 7", could result in flash flooding issues, especially around urban and poor drainage areas.



Several tornadoes could bring locally enhanced damage, mainly along and east of Highway 17.



Life-threatening surf conditions and dangerous marine conditions continue through the weekend.



Local Resources

Potential Tropical Cyclone Sixteen

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630 PM Today
Method: Email



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