



Tropical Storm Idalia Briefing

7:00 AM




Thursday, Aug 31, 2023

What has changed:
Flash Flood Warnings in effect.
Tornado threat ending this morning.



Situation Overview


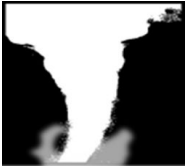
Tropical Storm Idalia

Hazard	Impacts	Location	Timing
 Flooding Rain	Significant impacts. Significant flash and urban flooding. Up to moderate river flooding.	Eastern North Carolina	Through today for flash and urban flooding. Through the weekend for river flooding.
 Storm Surge & Inundation	Moderate impacts. Localized inundation, moderate beach erosion, ocean overwash.	Oceanside: the entire coast. Soundside: Outer Banks from Buxton through Ocracoke, Downeast Carteret, Neuse, Pamlico, and Pungo Rivers.	Peaking this afternoon through Friday.
 Wind	Limited impacts. Scattered power outages.	Especially along the coast and Outer Banks.	Early this morning through Friday.



Situation Overview

Tropical Storm Idalia

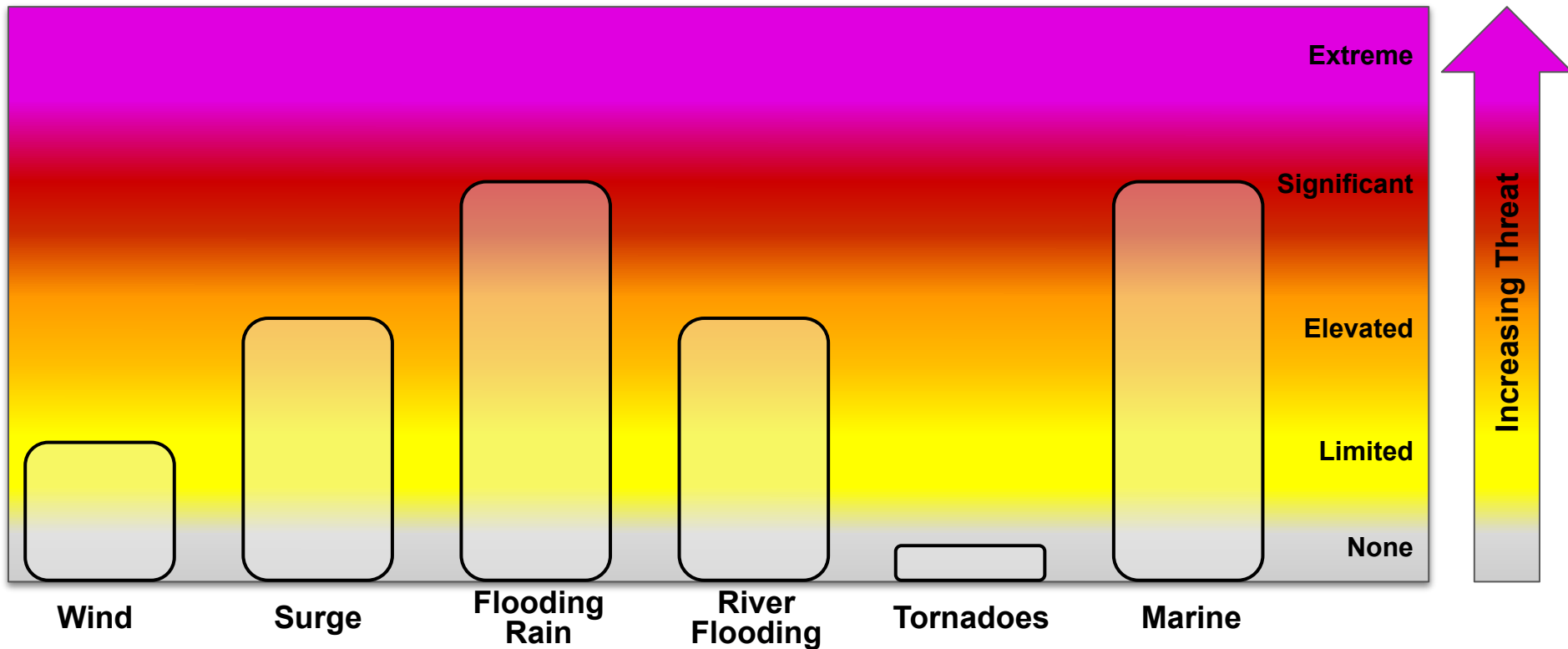
Hazard	Impacts	Location	Timing
 Marine	Significant impacts. Large dangerous seas, tropical storm force winds will produce life threatening conditions to mariners.	All coastal waters and Sounds.	Through Friday.
 Tornado	Threat has ended.	Threat has ended.	Threat has ended.



Threat Levels

Tropical Storm Idalia

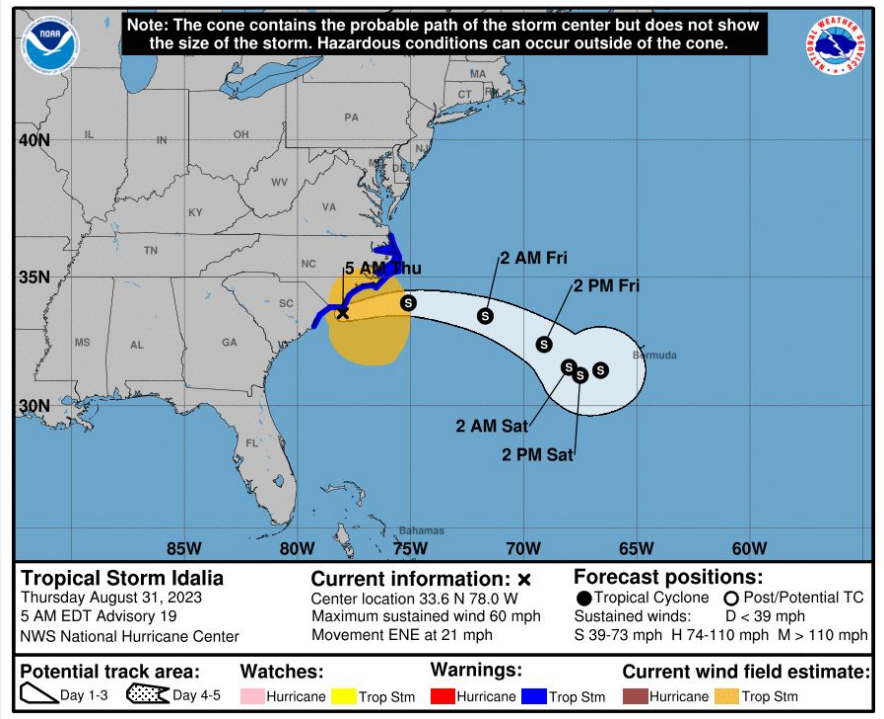
For information on specific hazards in this area, please go to: <https://www.weather.gov/srh/tropical?office=mhx>





Situation Overview

Tropical Storm Idalia



- Tropical Storm Idalia will move near the North Carolina coastline early this morning.
- Impacts will continue into Friday, even as Idalia moves away from our area.
- This is a good reminder that impacts can occur well away from the center of the storm or forecast “cone”.

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



Inland Flooding Impacts

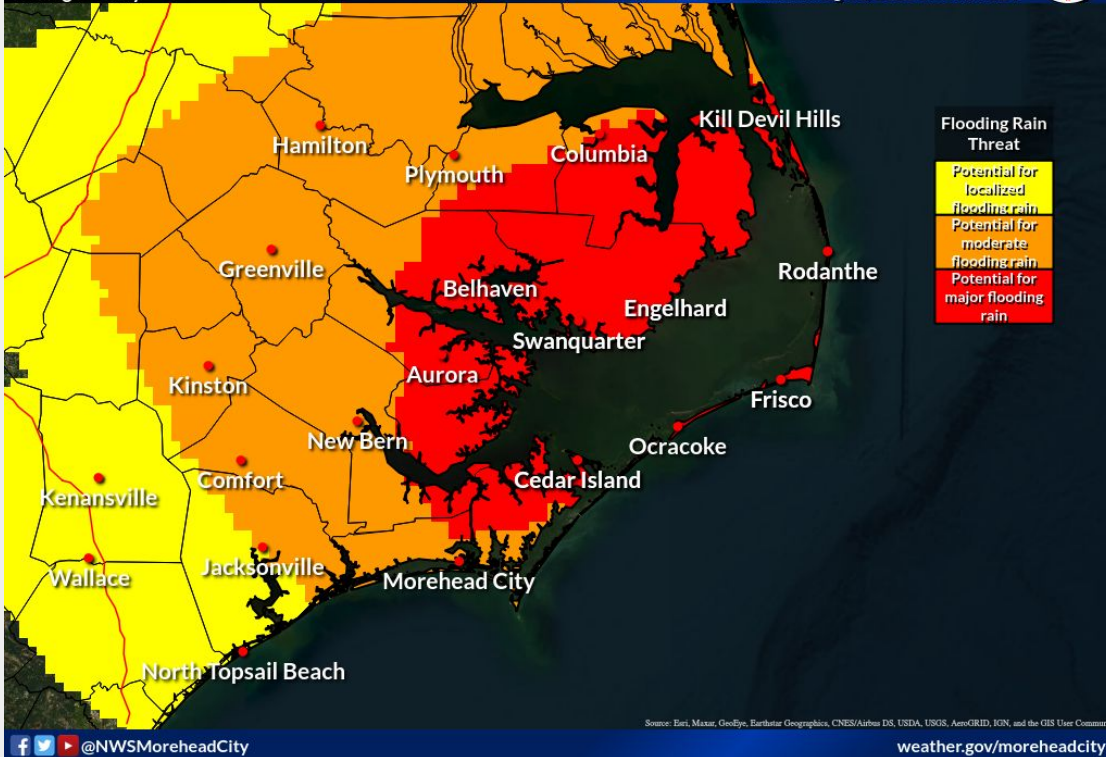
Tropical Storm Idalia

Flooding Rain Threat

Through Friday

Weather Forecast Office
Newport/Morehead City, NC

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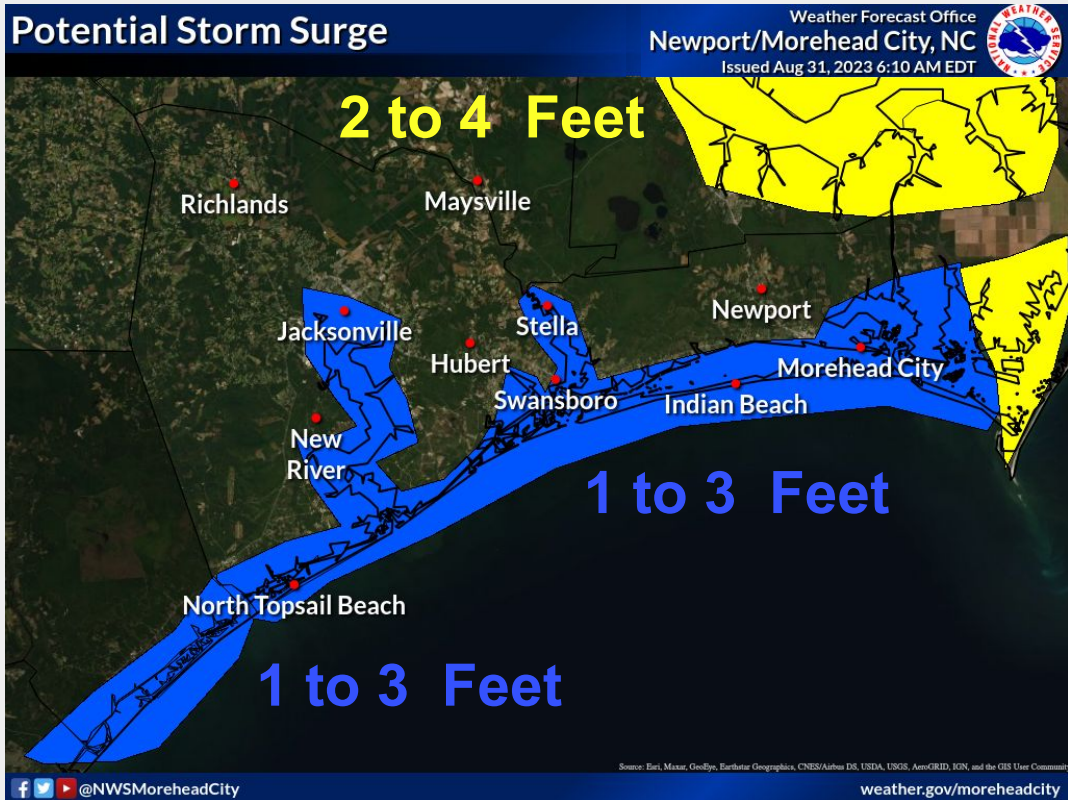


- Areas outlined in **Red** have the greatest potential for significant flash flooding through this afternoon.
- 2 to 4 inches of rain with isolated amounts up to 6 inches are still possible across the Outer Banks and eastern portions of the mainland.
- Driving conditions may become dangerous. **Potential for road and bridge closures with some weakened or washed out.** Extreme rainfall rates could result in **urban and flash flooding which may prompt water rescues.**



Potential Storm Surge Impacts

Tropical Storm Idalia



- 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.

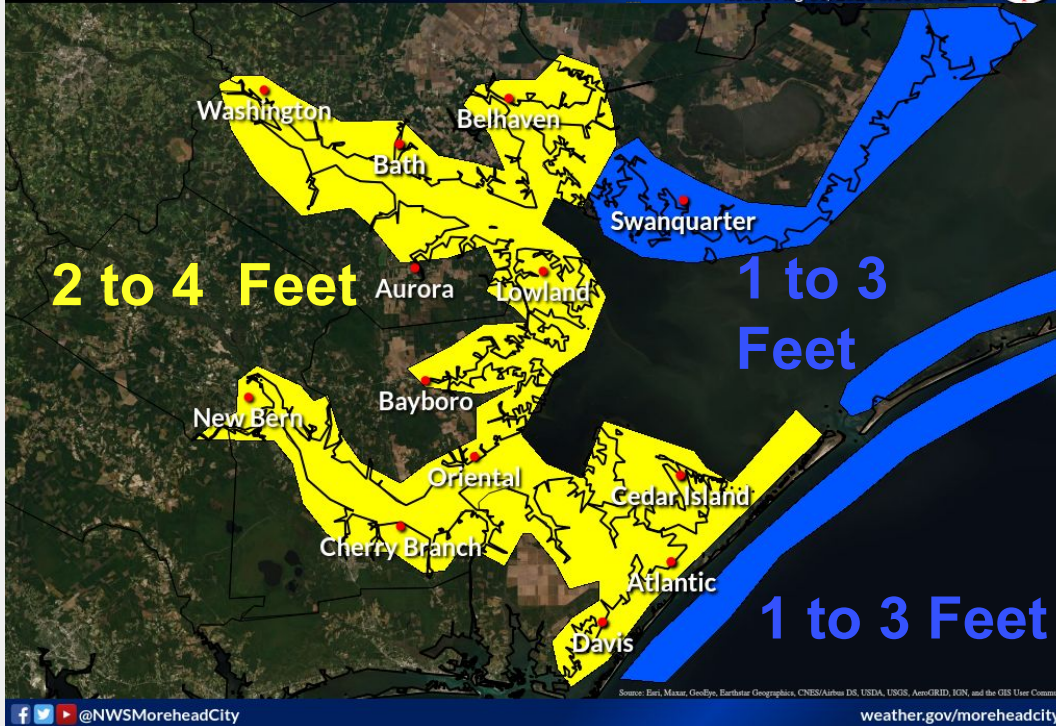


Potential Storm Surge Impacts

Tropical Storm Idalia

Peak Storm Surge Through Friday

Weather Forecast Office
Newport/Morehead City, NC
Issued Aug 31, 2023 6:10 AM EDT



- Moderate impact

(Yellow shaded areas):

Areas of inundation with moderate damage to marinas and docks.

- Elevated impact

(Blue Shaded Areas):

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

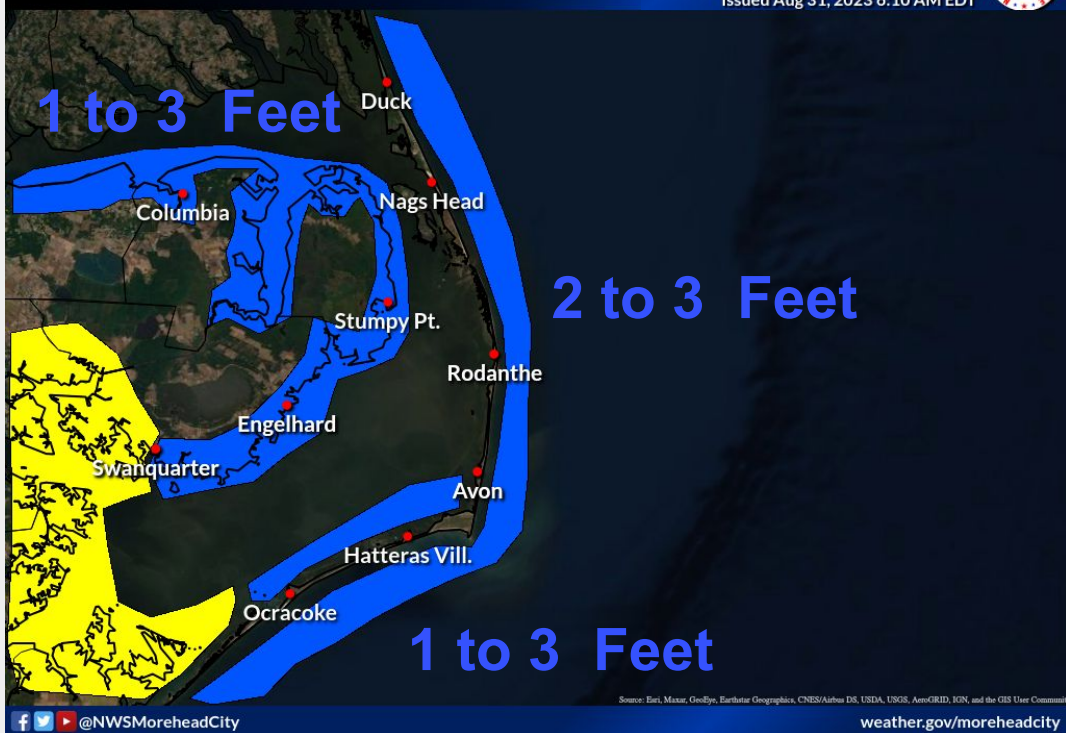


Potential Storm Surge Impacts

Tropical Storm Idalia

Peak Storm Surge Through Friday

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- Elevated impact

(Blue Shaded Areas):

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

Ocean overwash, likely impacting NC-12, especially at periods of high tide (This evening/Friday Morning).

Moderate beach erosion.



Wind Threat / Potential Impact

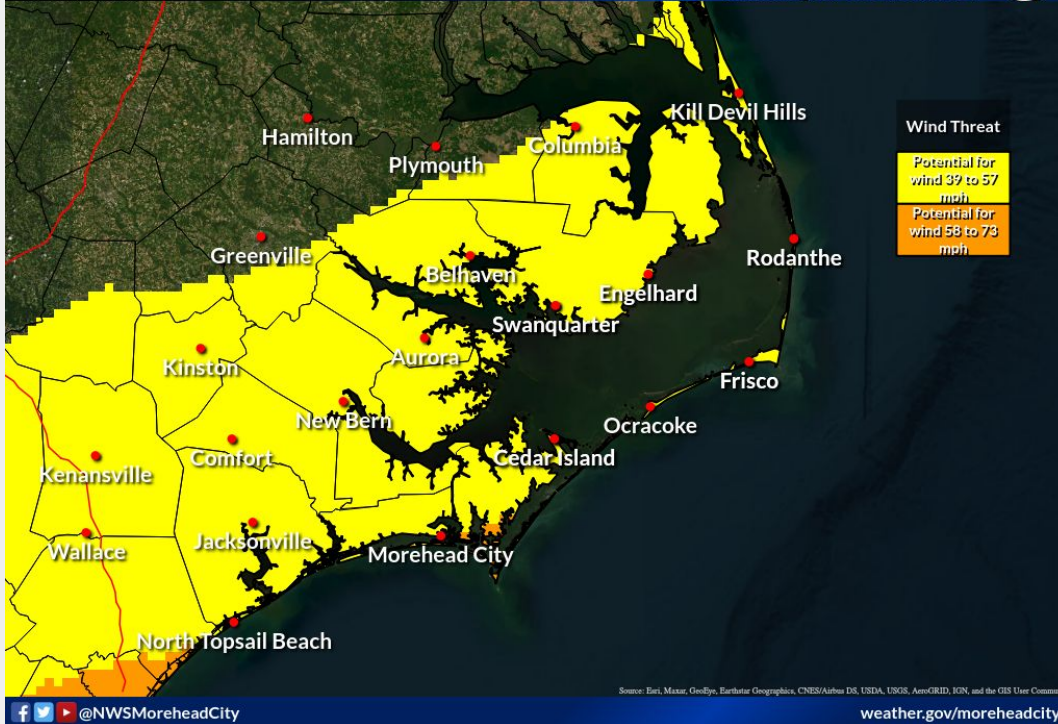
Tropical Storm Idalia

Wind Threat

Through Tonight

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There is a potential for:

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



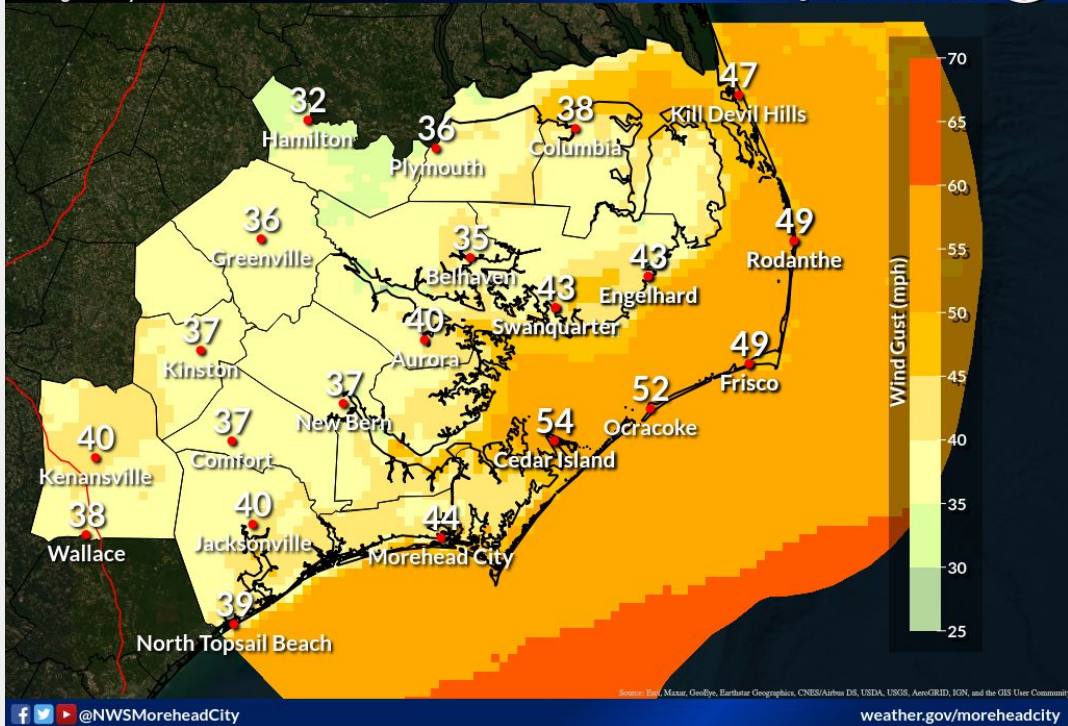
Maximum Wind Gusts

Tropical Storm Idalia

Maximum Wind Gusts

Through Friday

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- Highest wind speeds expected near the coast.
- Strongest winds are anticipated to continue through this evening.

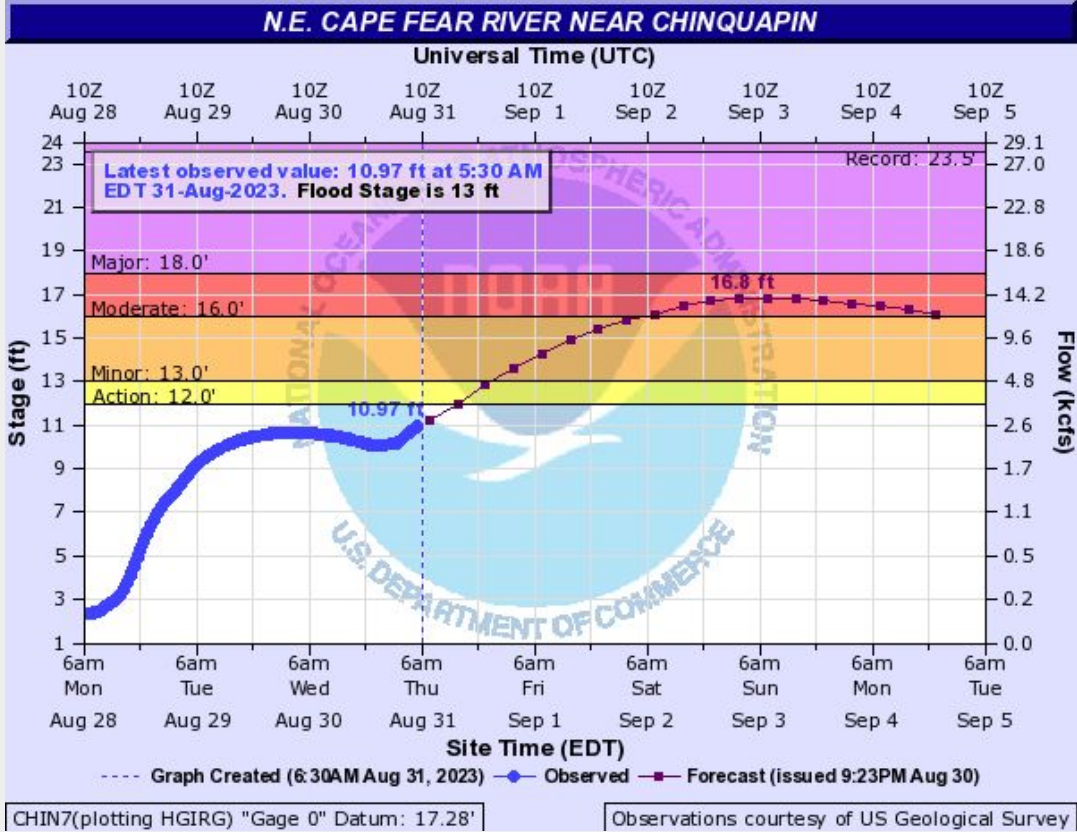
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Expected River Flooding

Tropical Storm Idalia

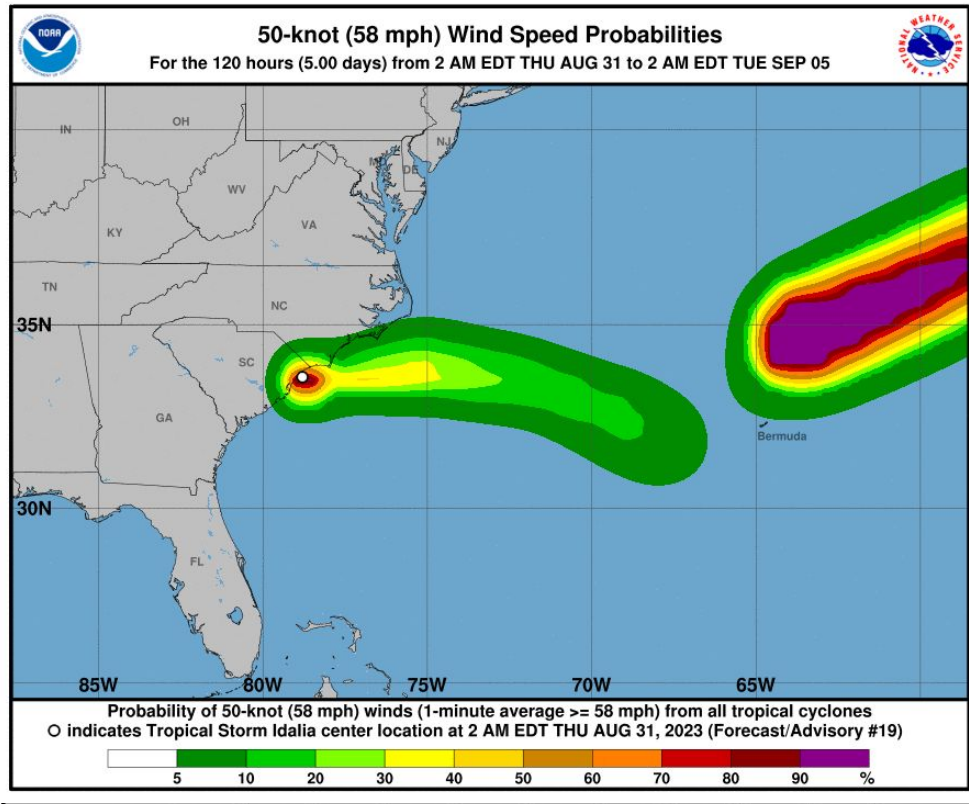


- Already elevated river levels in the NE Cape Fear basin as a result of heavy rainfall earlier this week.
- **This will introduce a greater river flood potential as a result of heavy rainfall from Idalia.**
- Forecast to crest at Moderate Flood Stage Sunday morning.



50 kt (58 mph) Wind Speed Probabilities

Tropical Storm Idalia



- A few 50 kt gusts are possible today.



Key Take-Aways

Tropical Storm Idalia

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



Significant impacts from flash/urban flooding possible - 2" to 4" more inches of rain expected with isolated 6" amounts possible over the Outer Banks and eastern NC.
Minor to Moderate River flooding possible into the weekend.



Inundation of low-lying areas possible, especially for areas adjacent to the southern Pamlico Sound including the Neuse, Bay, Pamlico, and Pungo Rivers. Also along the Outer Banks.



Tropical storm force winds ongoing especially toward the coast and Outer Banks.



Dangerous marine conditions ongoing across the coastal waters.



Tornado threat has ended.



Local Resources

Tropical Storm Idalia

Next Briefing:
6 PM Thursday
Method: Email



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