



# Hurricane Idalia Briefing

5:30 PM ET




Tuesday, August 29, 2023

What has changed: Tropical Storm, Storm Surge, and Flash Flood Watches have been issued for portions of Eastern NC.



# Situation Overview



Hurricane Idalia

Hazard	Impacts	Location	Timing
 <p><b>Flooding Rain</b></p>	<p><b>Significant impacts.</b></p> <p>Significant flash flooding possible.</p>	<p>Eastern North Carolina</p>	<p>Wednesday afternoon through Thursday night.</p>
 <p><b>Tornado</b></p>	<p><b>Moderate impacts.</b></p> <p>Enhanced areas of damage.</p>	<p>Eastern NC, but especially near the southern coast.</p>	<p>Wednesday night through Friday.</p>
 <p><b>Storm Surge &amp; Inundation</b></p>	<p><b>Moderate impacts.</b></p> <p>Localized inundation, moderate beach erosion, ocean overwash.</p>	<p>Oceanside: the entire coast. Soundside: Outer Banks from Buxton through Ocracoke, Downeast Carteret, Neuse, Pamlico, and Pungo Rivers.</p>	<p>Wednesday night through Friday.</p>



# Situation Overview

Hurricane Idalia

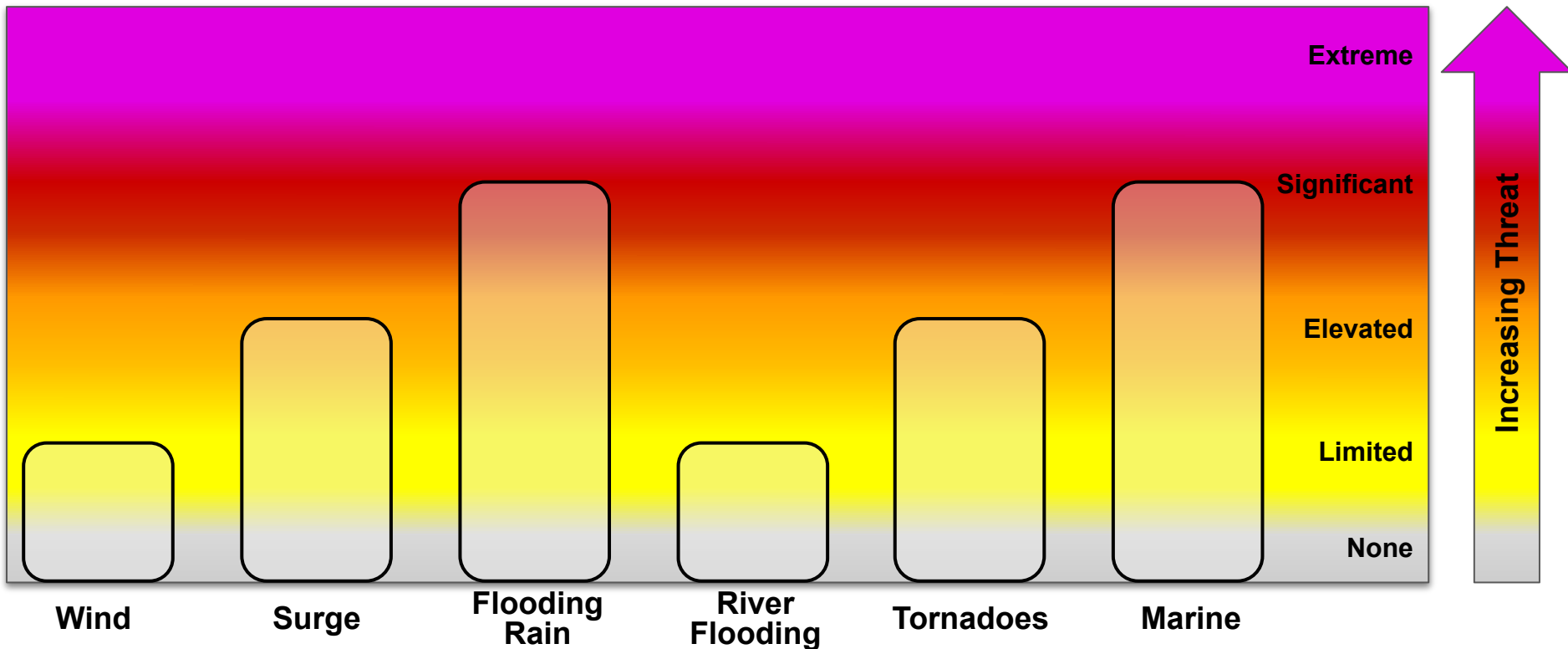
Hazard	Impacts	Location	Timing
 A black and white icon of a tree being blown over by a strong wind, with a hand pointing towards the tree.	<p><b>Limited impacts.</b></p> <p>Scattered power outages.</p>	<p>Especially along the coast and Outer Banks.</p>	<p>Thursday morning through Friday.</p>
 A black and white icon of a large, curling wave crashing over a rocky shore.	<p><b>Significant impacts.</b></p> <p>Large dangerous seas, tropical storm force winds will produce life threatening conditions to mariners.</p>	<p>All coastal waters and Sounds.</p>	<p>Wednesday through Friday.</p>



# Threat Levels

Hurricane Idalia

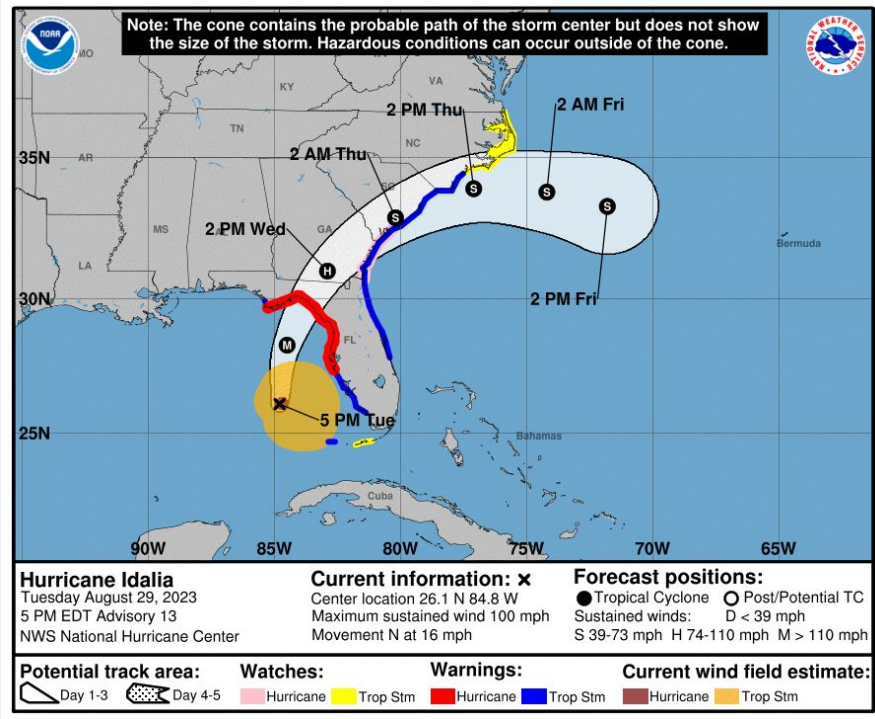
For information on specific hazards in this area, please go to: <https://www.weather.gov/srh/tropical?office=mhx>





# Situation Overview

## Hurricane Idalia



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

- Hurricane Idalia is forecast to make landfall in northwest FL on Wednesday as a Major Hurricane.
- On the current track, impacts may be felt in our area as early as Wednesday night.
- Idalia is forecast to approach Eastern North Carolina as a Tropical Storm Thursday with impacts lingering into Friday.



# Inland Flooding Impacts

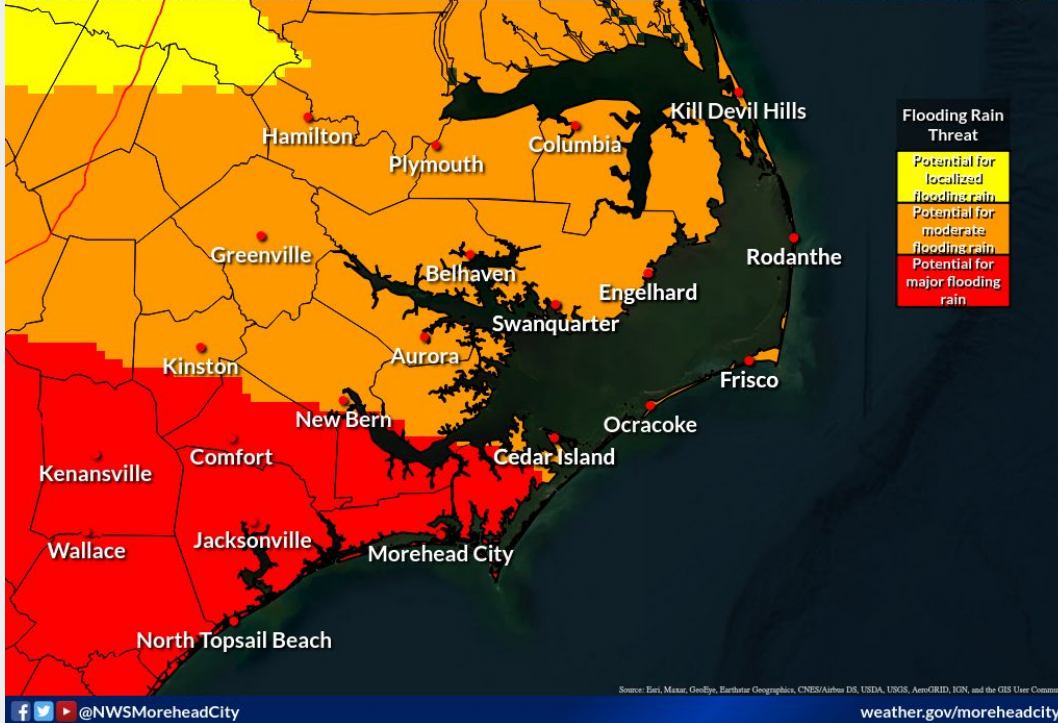
Hurricane Idalia

## Flooding Rain Threat

Wednesday afternoon through Friday

Weather Forecast Office  
Newport/Morehead City, NC

Issued Aug 29, 2023 5:28 PM EDT

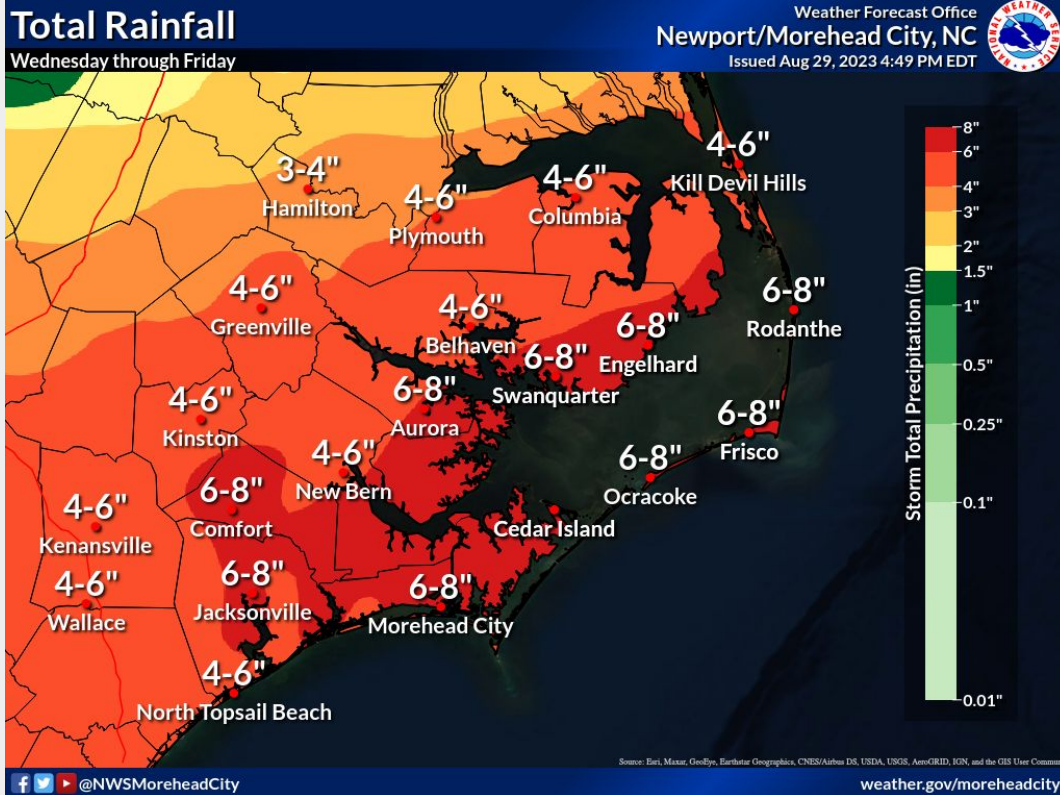


- Areas outlined in red have the greatest potential for significant flash flooding Wednesday afternoon through Thursday.



# Expected Storm Total Rainfall

Hurricane Idalia



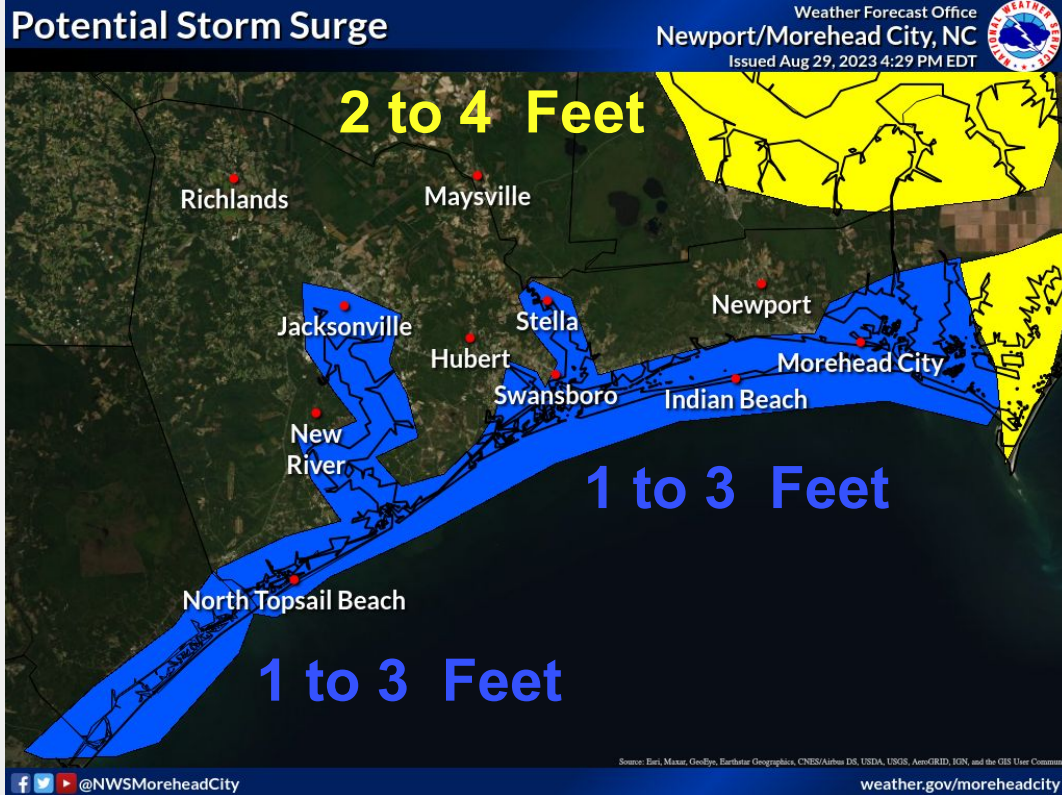
- An average of **3" to 8"** of rain will be possible across Eastern NC, with isolated totals **up to 10"** possible.
- A Flood Watch has been issued for all of Eastern North Carolina.
- There is potential for **Minor to Moderate River Flooding** from heavy rainfall.





# Potential Storm Surge Impacts

Hurricane 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.



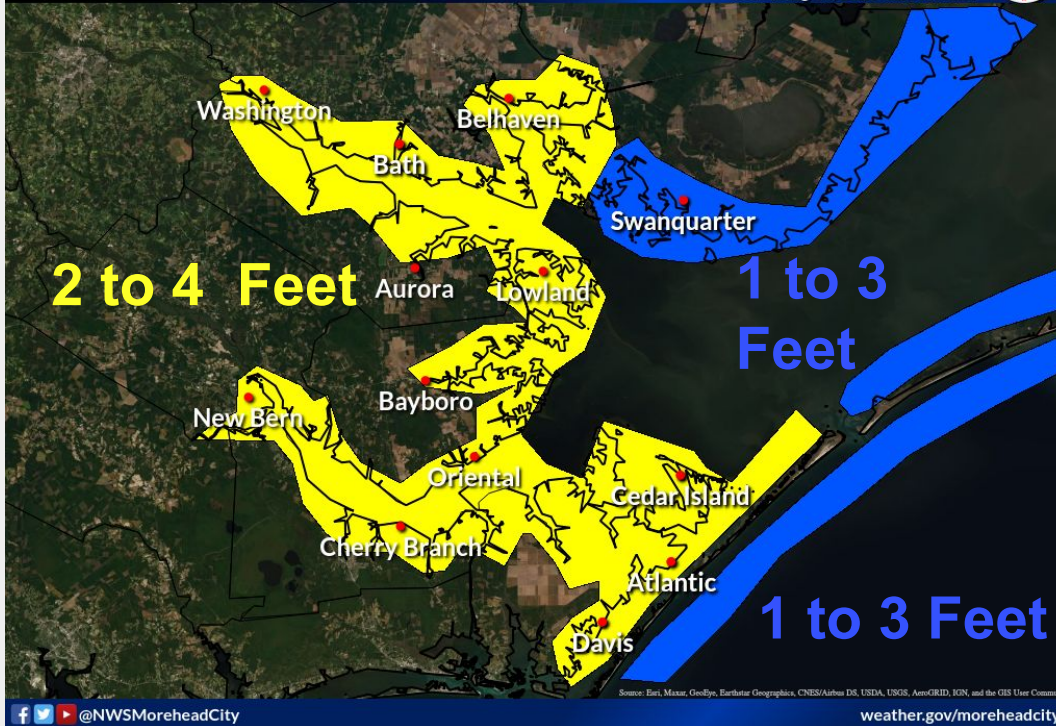


# Potential Storm Surge Impacts

Hurricane Idalia

## Peak Storm Surge Through Friday

Weather Forecast Office  
Newport/Morehead City, NC  
Issued Aug 29, 2023 4:29 PM 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

Hurricane Idalia

## Peak Storm Surge Through Friday

Weather Forecast Office  
Newport/Morehead City, NC  
Issued Aug 29, 2023 4:29 PM EDT



- Elevated impact

**(Blue Shaded Areas):**

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

Ocean overwash, possibly impacting NC-12, especially at periods of high tide.

Moderate beach erosion.



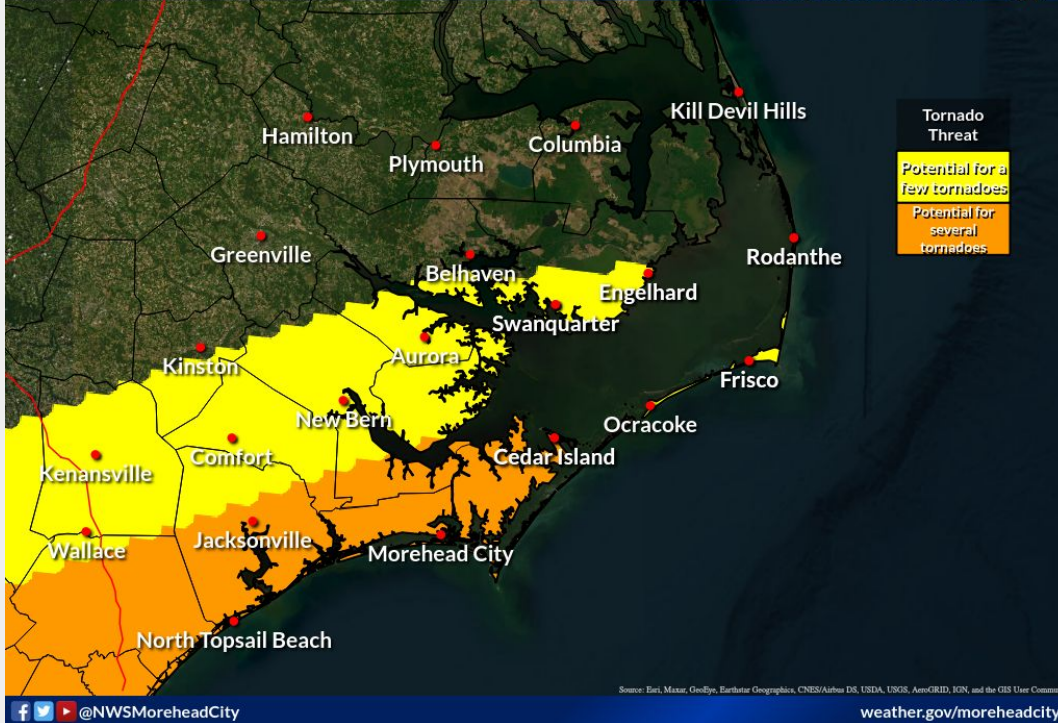
# Potential Tornado Impacts

Hurricane Idalia

## Tornado Threat

Wednesday afternoon through Thursday

Weather Forecast Office  
Newport/Morehead City, NC  
Issued Aug 29, 2023 4:52 PM EDT



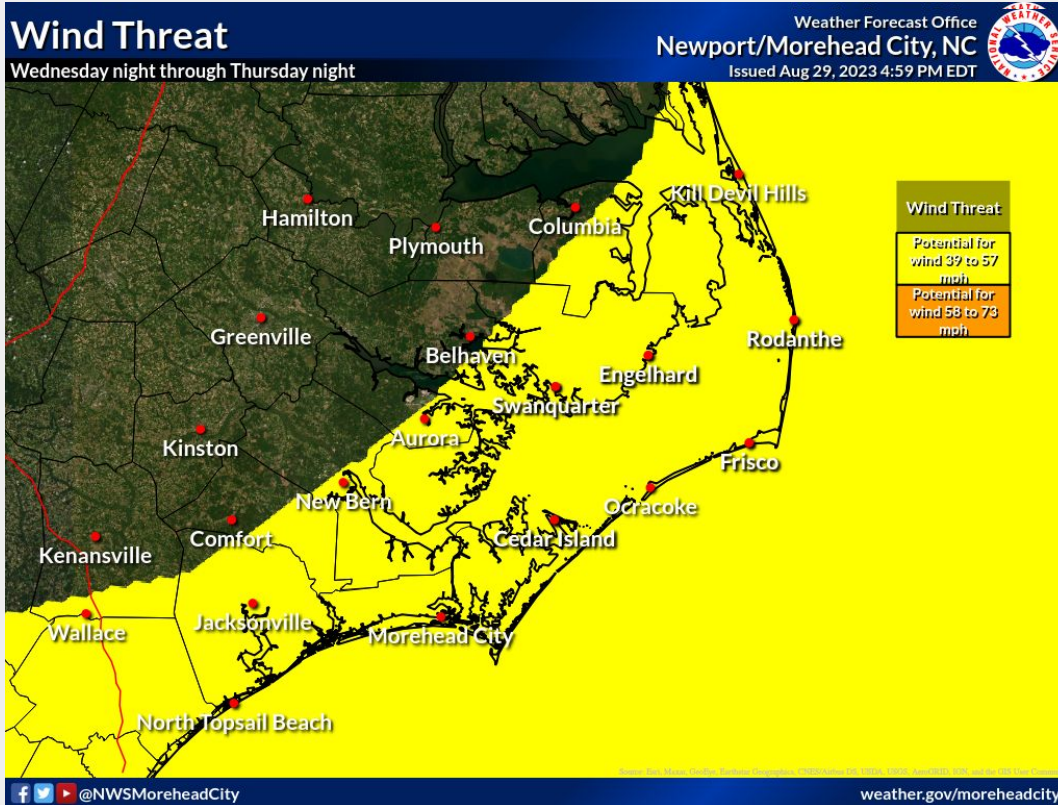
- Highest threat shaded in **Orange**
- Main threat of tornadoes will be from Wednesday afternoon through Thursday.
- Enhanced areas of damage possible.
- Nighttime tornadoes are particularly dangerous! Have multiple ways to receive warnings, and at least one that can wake you up at night!





# Wind Threat / Potential Impact

Hurricane Idalia



There is a potential for:

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



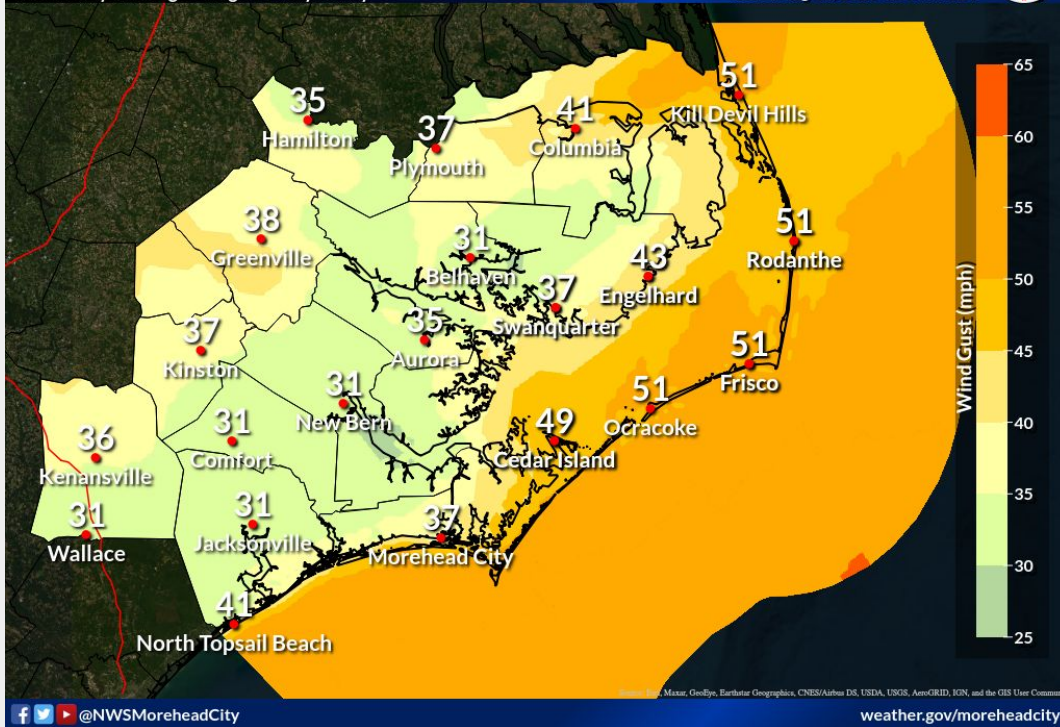
# Maximum Wind Gusts

Hurricane Idalia

## Maximum Wind Gusts

Wednesday evening through midday Friday

Weather Forecast Office  
Newport/Morehead City, NC  
Issued Aug 29, 2023 4:56 PM EDT



Note:

These winds are **highly dependent** on the storm's track and intensity. A small change could result in significant differences in wind speeds and impacts.

- Highest wind speeds expected near the coast.
- Strongest winds are anticipated Thursday through Thursday evening.

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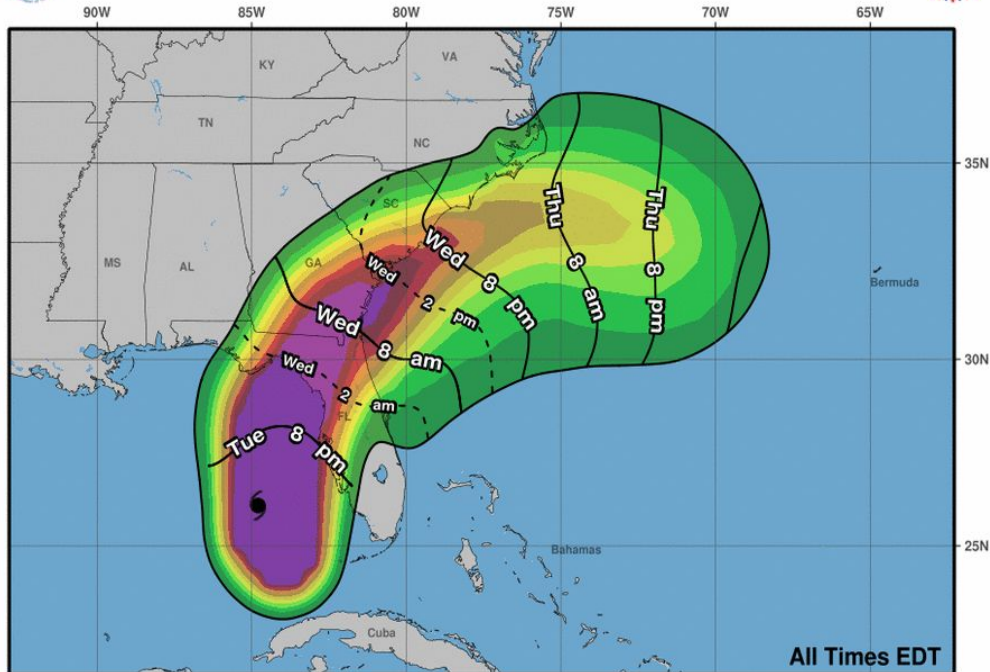
weather.gov/moreheadcity



# Earliest Reasonable Time of Arrival

## Hurricane Idalia

0-3 Day Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Hurricane Idalia  
 Tue. Aug. 29, 2023 5 pm EDT  
 Advisory 13

Storm Location ○ < 34 kt (39 mph)  
 & ○ 34-63 kt (39-73 mph)  
 Wind Speed ● ≥ 64 kt (74 mph)

3-day chance of receiving sustained 34+ kt (39+ mph) winds  
 5 10 20 30 40 50 60 70 80 90 100 %

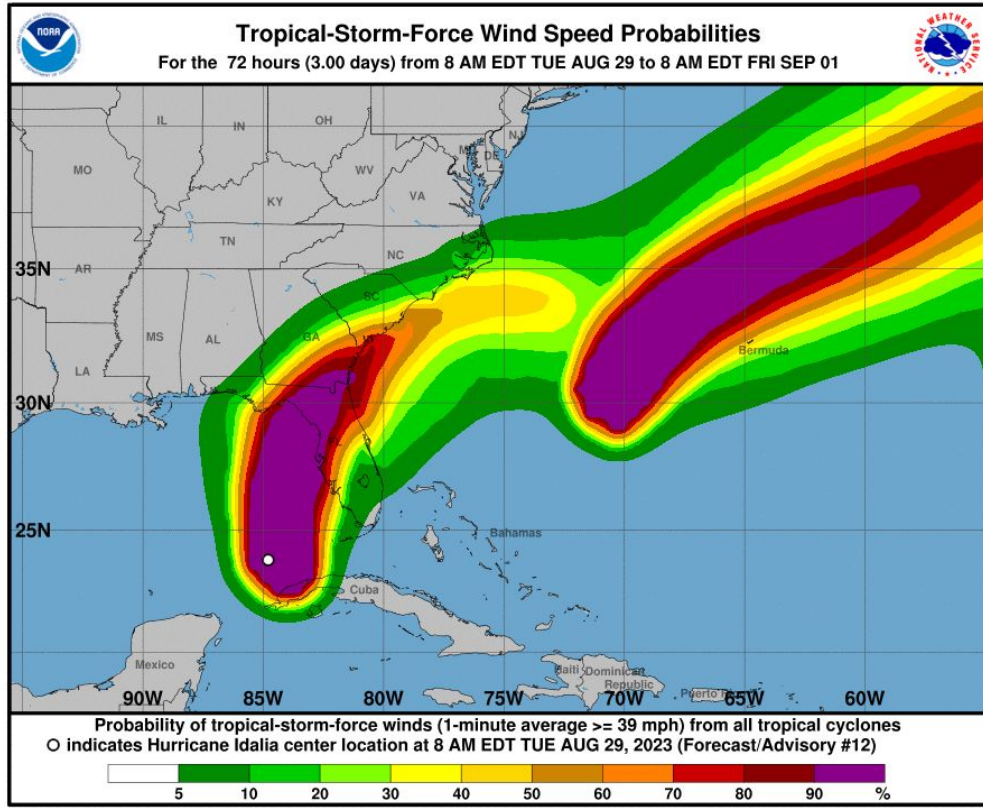
- The earliest reasonable time of arrival of Tropical Storm Force Winds for Eastern North Carolina is Wednesday night.
- **However, the most likely time** this area could see Tropical Storm Force Winds will be Thursday.





# Tropical Storm Wind Speed Probabilities

Hurricane Idalia

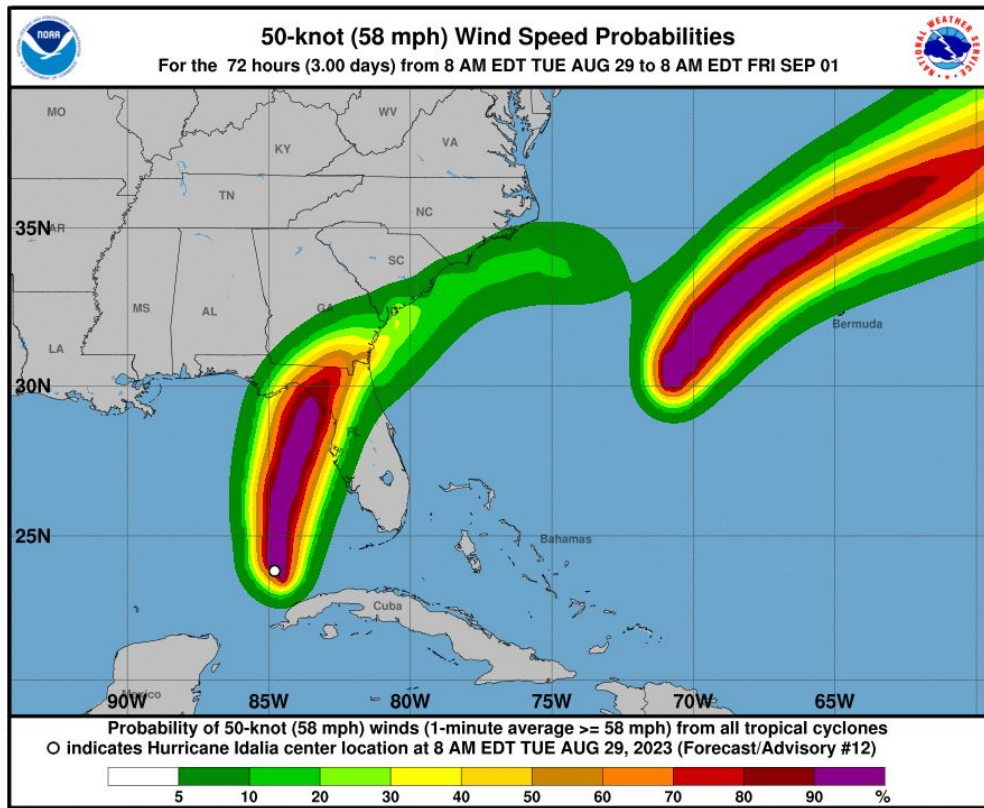


- The probability for tropical storm force winds is increasing.
- The highest probability for tropical storm force winds remains near the coast and over the southern waters.
- Tropical storm conditions could begin as early as Wednesday night.



# 50 kt (58 mph) Wind Speed Probabilities

Hurricane Idalia

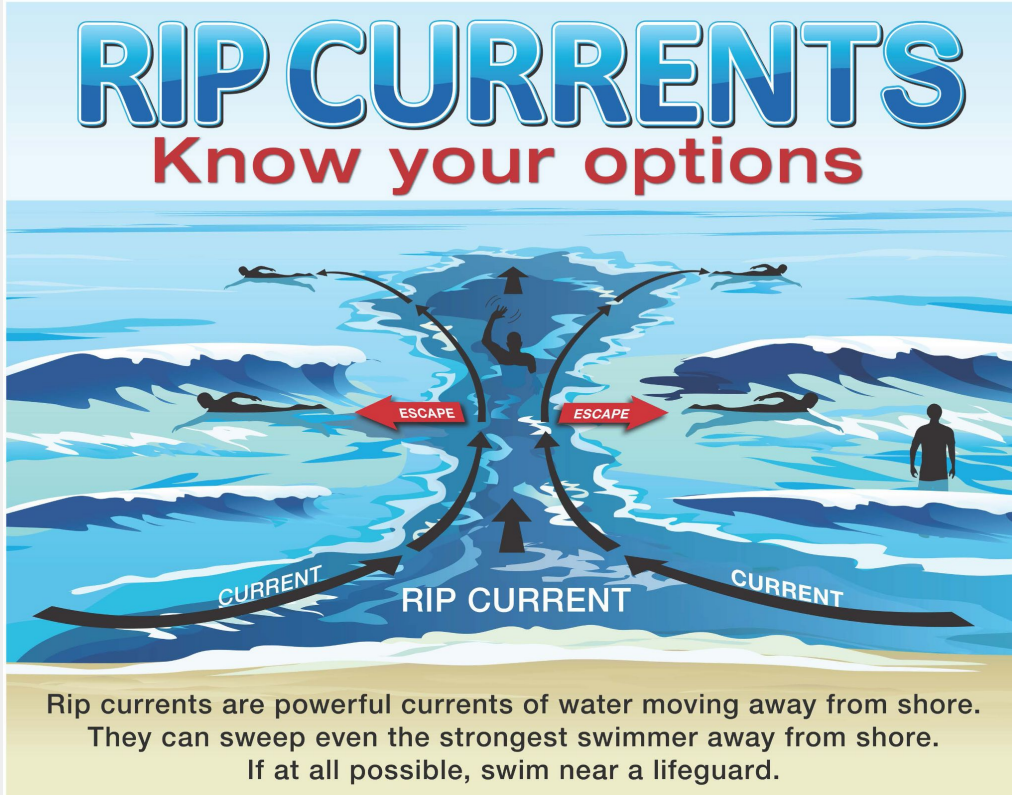


- Threat of 50 kt winds is steady.
- Highest threat remains south of Oregon Inlet.



# Rip Currents/Beach Erosion/Overwash

Hurricane Idalia



- **Dangerous Rip Currents** from distant Major Hurricane Franklin expected through mid week.
- Beach erosion and ocean overwash possible from Oregon Inlet to Cape Lookout through Wednesday.
- Rip current threat and coastal issues will linger through end of the week with Idalia.



# Key Take-Aways

Hurricane Idalia

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



Significant impacts from flash flooding possible - 3" to 8"+ of rain.



A few tornadoes are possible, which may produce enhanced areas of damage.



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



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



Dangerous marine conditions expected across the coastal waters.



# Local Resources

Hurricane Idalia

Next Briefing:  
9 AM Wednesday  
Method: Email



**Web:** [www.weather.gov/mhx](http://www.weather.gov/mhx)



**Phone:** (252) 223-5737 EXT 6



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