



# Tropical Storm Idalia Briefing

11:30 AM

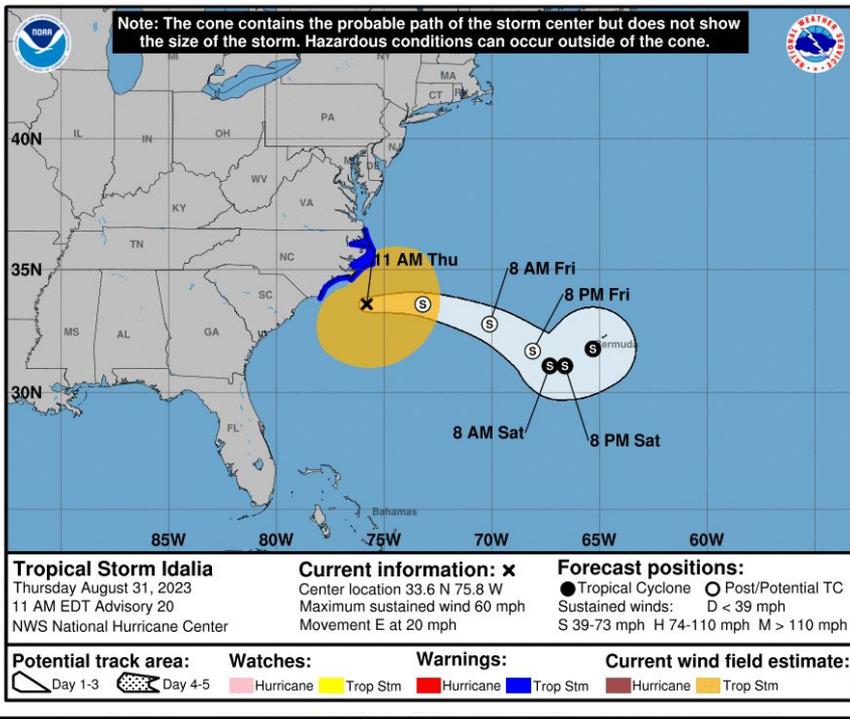
Thursday, Aug 31, 2023

What has changed:  
No major changes. This will be our final briefing.



# Situation Overview

## Tropical Storm Idalia



- 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.



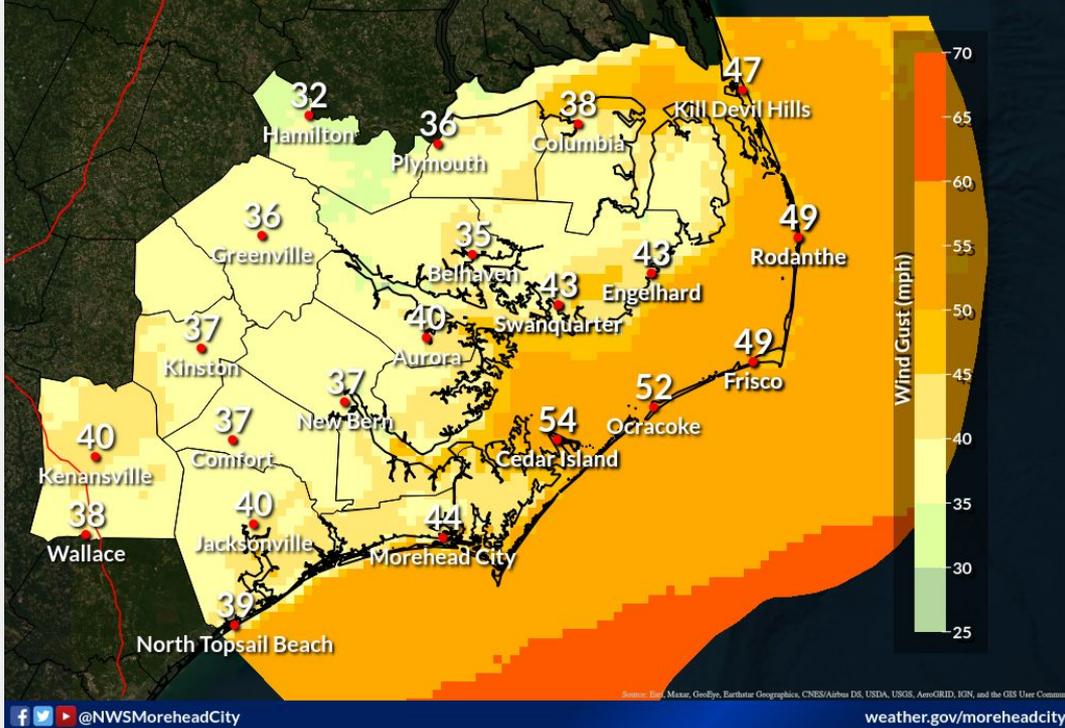
# Maximum Wind Gusts

Tropical Storm Idalia

## Maximum Wind Gusts

Through Friday

Weather Forecast Office  
Newport/Morehead City, NC  
Issued Aug 31, 2023 5:22 AM EDT



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



# Storm Surge Impacts

Tropical Storm Idalia

## Potential Storm Surge

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



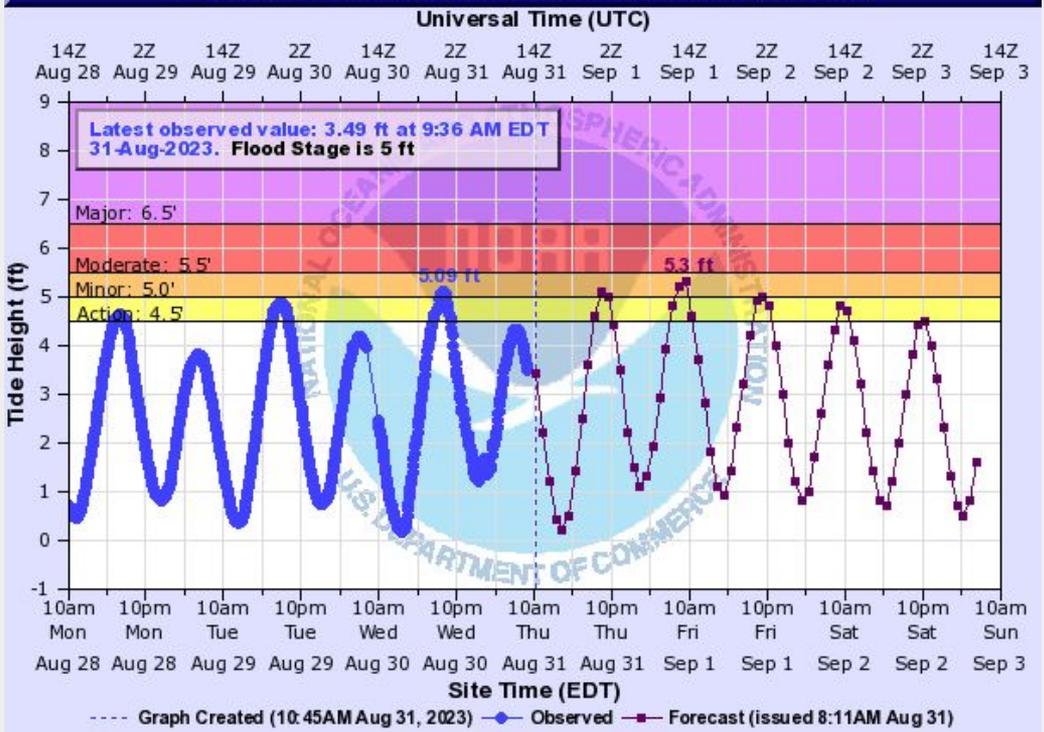
- Moderate impact  
**(Yellow shaded areas):**  
Areas of inundation with moderate damage to marinas, docks.
- Elevated impact  
**(Blue Shaded Areas):**  
Localized inundation, mainly along immediate shorelines and in low-lying spots.



# Expected River Flooding

## Tropical Storm Idalia

### ATLANTIC COAST AT BEAUFORT MARINE LAB (IN MLLW)



BFTN7(plotting HMIRG) "Gage 0" Datum: 0' | Observations courtesy of National Ocean Service

- Elevated water levels through Friday night.
- Minor inundation in low-lying areas adjacent to the sounds/water.

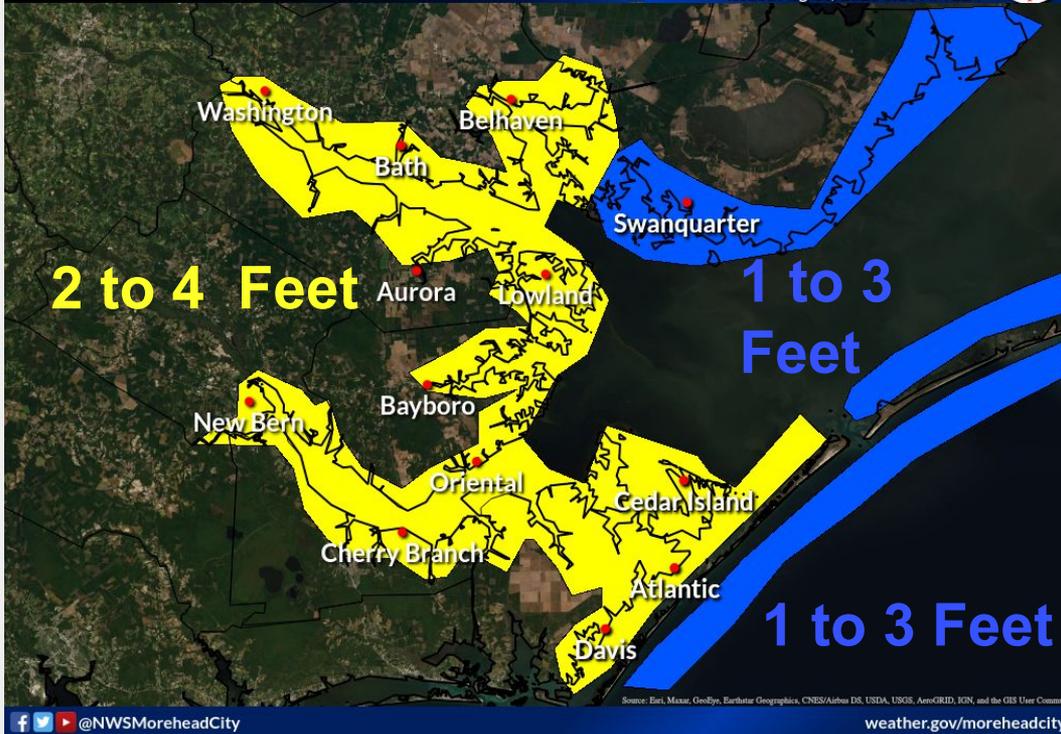


# Storm Surge Impacts

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):**

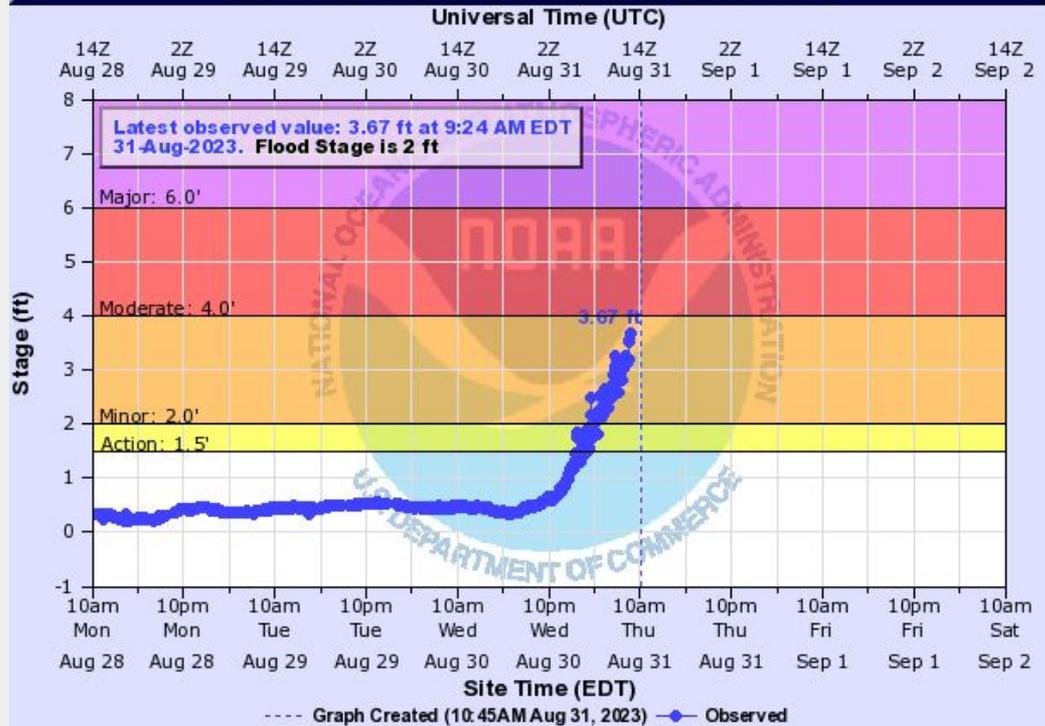
Localized inundation, mainly along immediate shorelines and in low-lying spots.



# Storm Surge Impacts

Tropical Storm Idalia

## PAMLICO SOUND AT CEDAR ISLAND (IN MLLW)



CTIN7(plotting HGIRG) "Gage 0" Datum: n/a | Observations courtesy of NC Department of Public Safety

- Water levels will continue to rise into the afternoon.
- **Period of highest impact is now into early evening.**
- Elevated water levels through Friday night.



# 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



- 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).

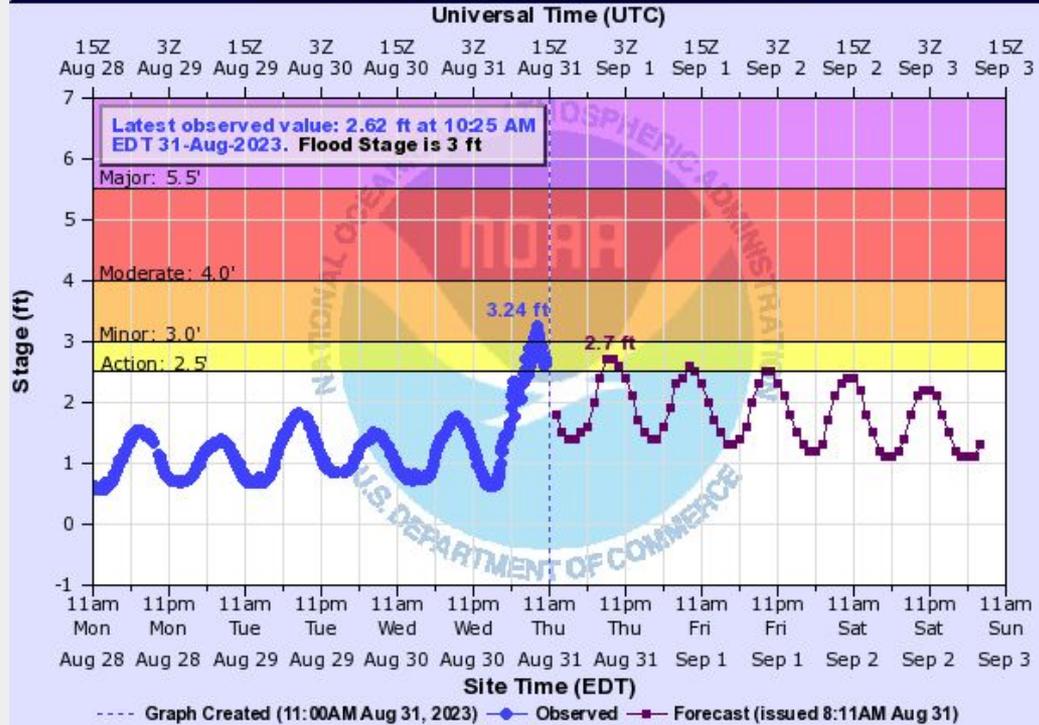
Moderate beach erosion.



# Storm Surge Impacts

## Tropical Storm Idalia

### PAMLICO SOUND AT OCRACOKE (IN MLLW)



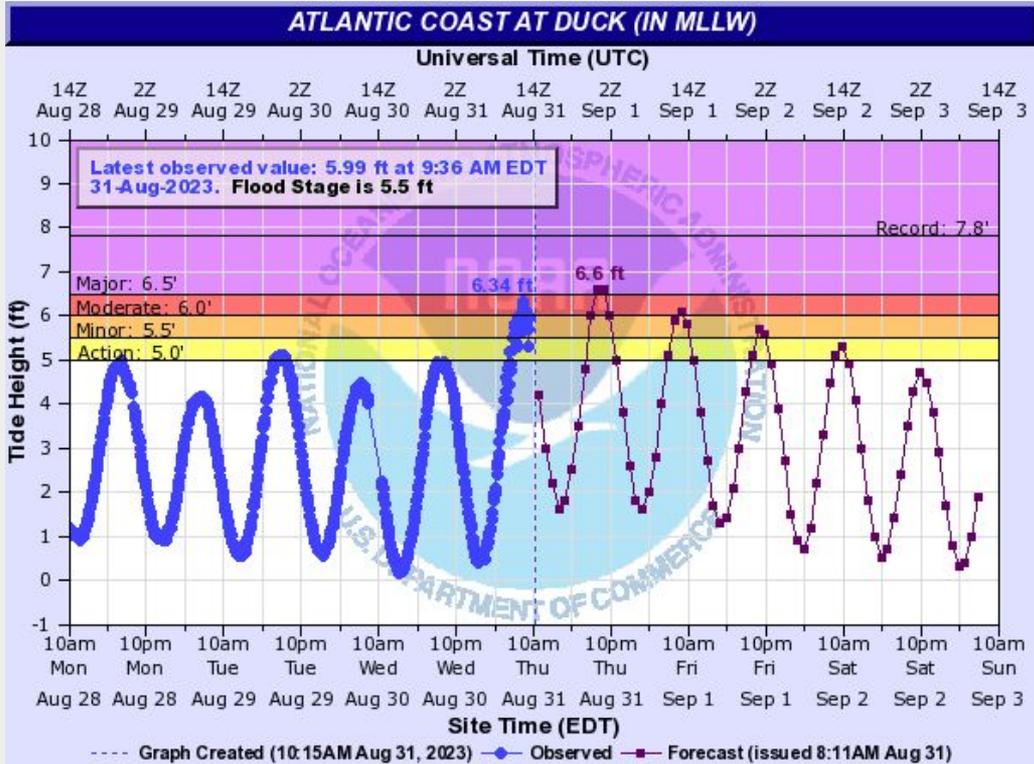
OCAN7(plotting HGIRG) "Gage 0" Datum: n/a | Observations courtesy of NC Department of Public Safety

- Winds have shifted into the north and are very strong.
- Carefully watching next high tide and wind direction through this evening.
- Water level may be close or even exceed to what we have seen already.



# Storm Surge Impacts

Tropical Storm Idalia



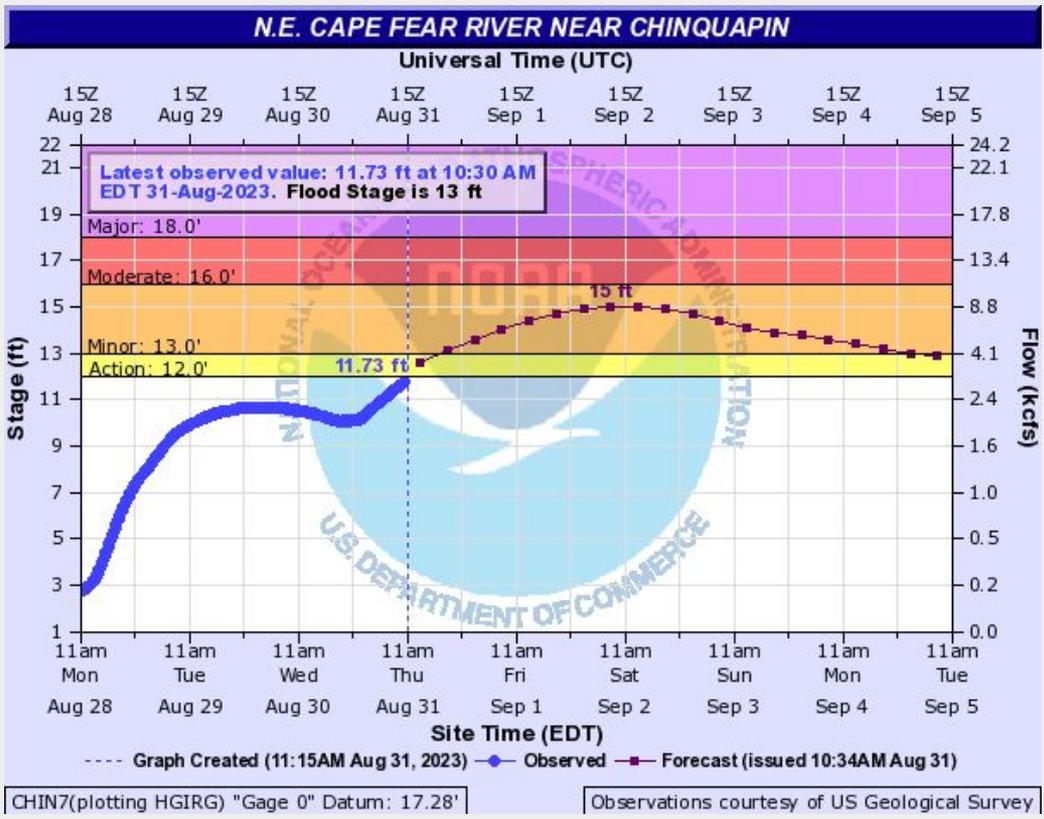
DUKN7(plotting HMIRG) "Gage 0" Datum: 0' Observations courtesy of National Ocean Service

- High tide this evening, higher than this morning.
- **Period of highest impact this evening, with overwash likely across portions of NC 12.**
- Elevated water levels through multiple tides into Saturday morning.



# Expected River Flooding

## Tropical Storm Idalia

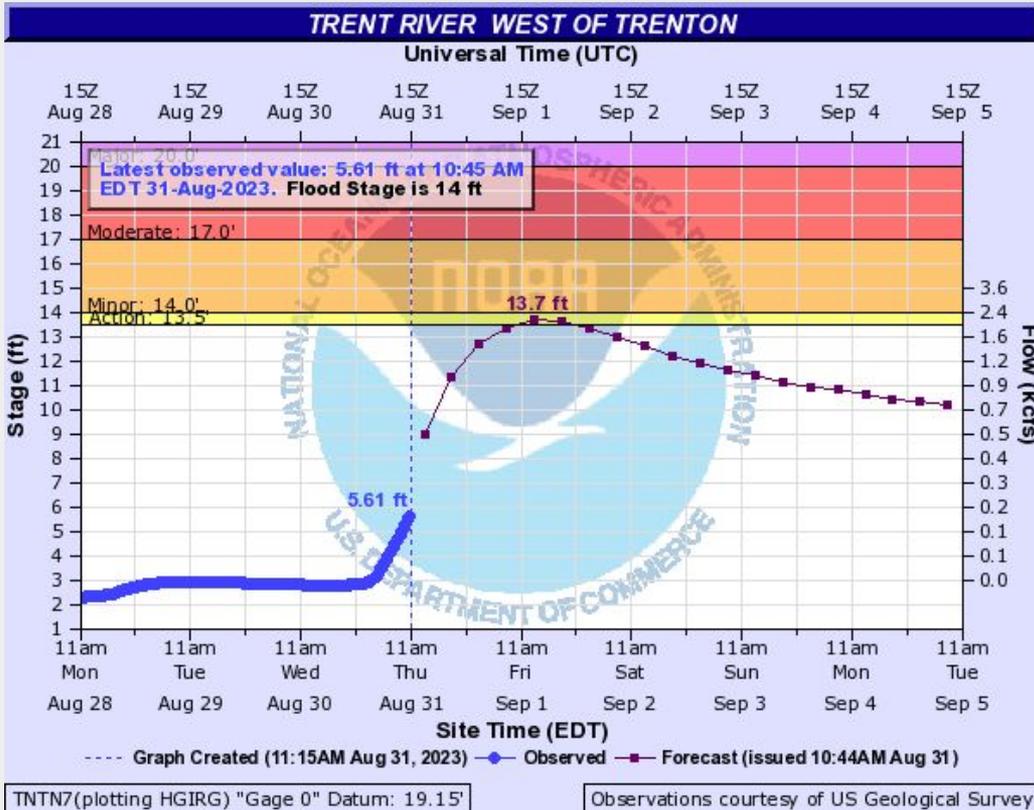


- Already elevated river levels in the NE Cape Fear basin as a result of heavy rainfall earlier this week.
- **This will introduce a greater river flood potential as a result of heavy rainfall from Idalia.**
- Forecast to crest around 15 ft. Saturday morning.



# Expected River Flooding

Tropical Storm Idalia



- Though river levels are currently below normal, the **Trent River is expected to rapidly rise through the day and into Friday.**
- Currently forecast to crest just below minor flood stage Friday morning.



# Local Resources

Tropical Storm Idalia

Next Briefing:  
Final Briefing

Call the office if you need additional help.



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



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



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