



# Hurricane Idalia Briefing

for northeast South Carolina and southeast North Carolina

7:00 PM EDT

Tuesday, Aug 29, 2023

## What has changed:

- Tropical Storm Warning now in effect for Williamsburg, Georgetown, Horry, Coastal Brunswick, Coastal New Hanover, & Coastal Pender Counties
- Tropical Storm Warning for coastal waters from Surf City to South Santee River out 20 nautical miles.
- Flash Flood Watch for Southeast North Carolina and Northeast South Carolina Wednesday Afternoon through Thursday
- Added Mostly Likely Time of Arrival for Tropical Storm Winds.



# Situation Overview

## Hurricane Idalia

- Hurricane Idalia is forecast to make landfall as a major hurricane along the west coast of FL on Wednesday morning. The storm will move toward the northeast somewhere near the SC coast Wednesday night to near southeast NC during Thursday morning.
- Impacts across northeast SC and southeast NC will be greatly determined by the eventual track of Idalia, and as of right now the primary impacts are expected to be from flooding rainfall and possibly a few tornadoes. Overall, the impacts include:
  - Heavy rainfall and flooding
  - A few tornadoes and waterspouts
  - Potential for some storm surge
  - Gusty winds exceeding 40 mph (tropical storm force)
  - Strong rip currents from Hurricane Franklin off to the east and from Idalia
  - Hazardous maritime conditions



# Situation Overview

## Hurricane Idalia

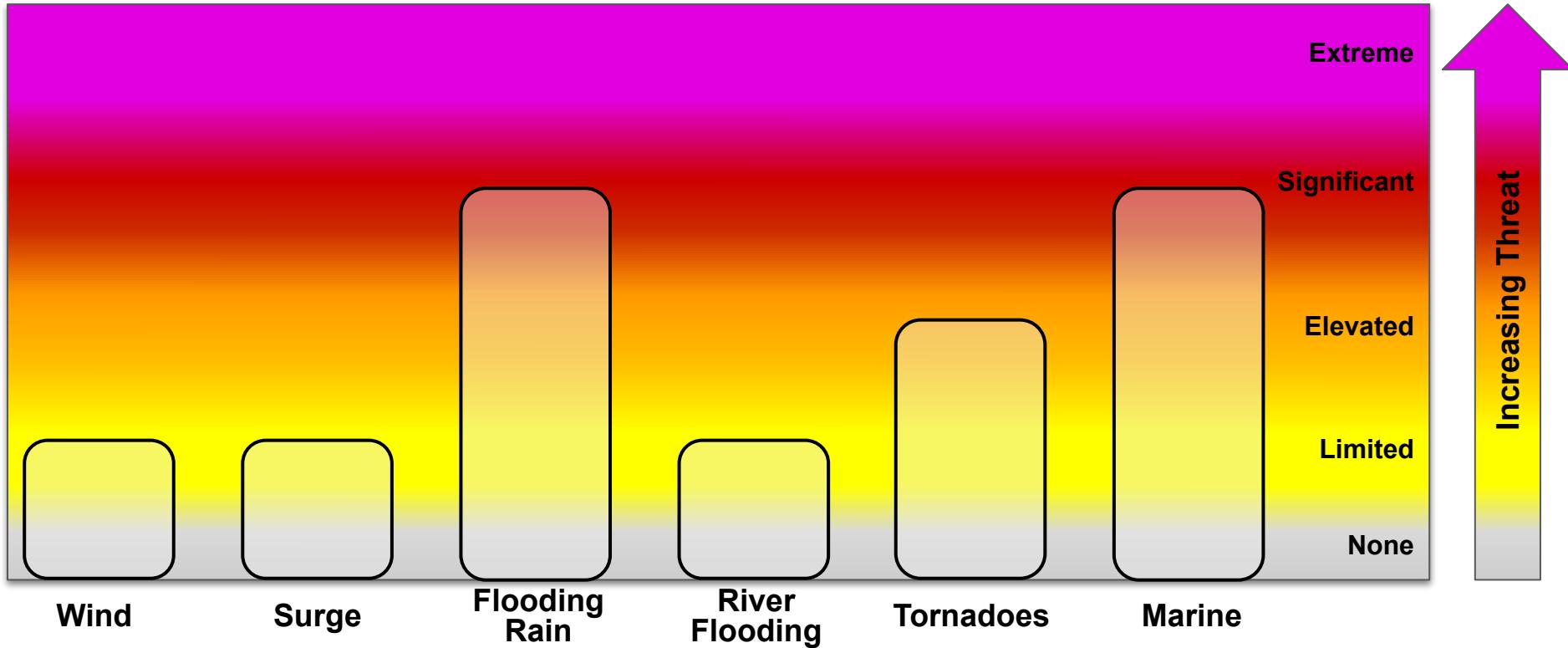
Hazard	Impacts	Location	Timing
	<b>Wind</b> A few downed limbs/weakened trees are possible along with isolated power outages	Coastal areas south of Cape Fear have the greater potential for tropical storm force winds at this time	Wednesday night into Thursday
	<b>Storm Surge &amp; Inundation</b> Coastal inundation of 1-3'	Low elevation coastal areas that are prone to tidal flooding	Especially around high tides <ul style="list-style-type: none"><li>Wednesday 8:00 pm</li><li>Thursday 8:00 am</li></ul>
	<b>Flooding Rain</b> Flooding, especially of low-lying and poor drainage areas is likely	All areas in southeast NC and northeast SC have the potential for flooding	Wednesday into Thursday
	<b>Tornado</b> A few tornadoes and waterspouts are possible	Areas in southeast NC and northeast SC have the potential for a few tornadoes	Wednesday into Wednesday night
	<b>Marine</b> Rough seas are expected from the combined swells from Franklin and waves generated by Idalia	All coastal and offshore waters	Tuesday through Thursday



# Threat Levels

Hurricane Idalia

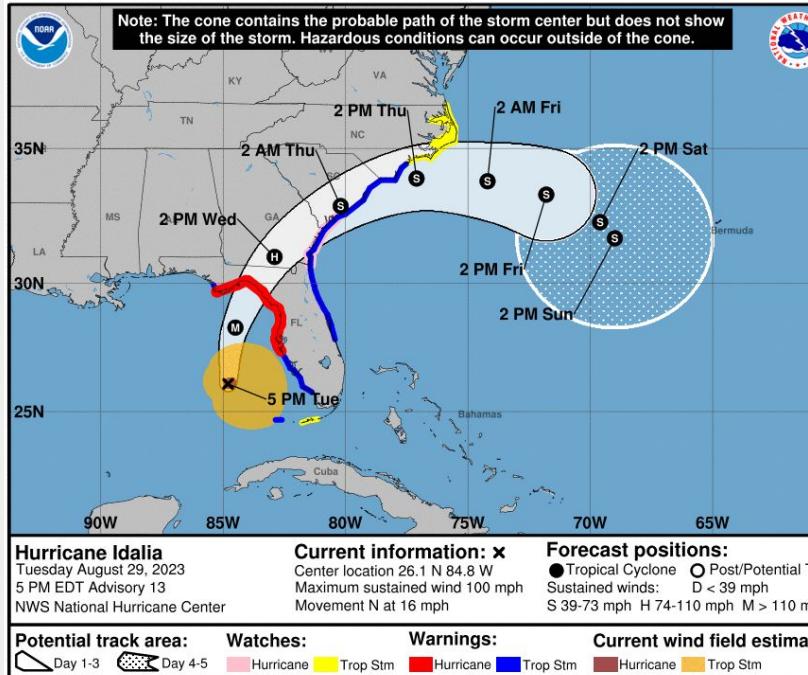
For information on specific hazards in this area, please go to: <https://www.weather.gov/ilm/tropical>





# Situation Overview

## Hurricane Idalia



**NOTE:** Do not focus on the exact track.

Impacts can occur well outside the area enclosed by the cone.

- Idalia is now a category 2 hurricane and is forecast to make landfall as a major hurricane along the west coast of Florida on Wednesday.
- Idalia should be at tropical storm strength as it moves near the Carolina coast on late Wednesday night into Thursday.
- Tropical storm warnings are now in effect for portions of northeast SC and southeast NC.



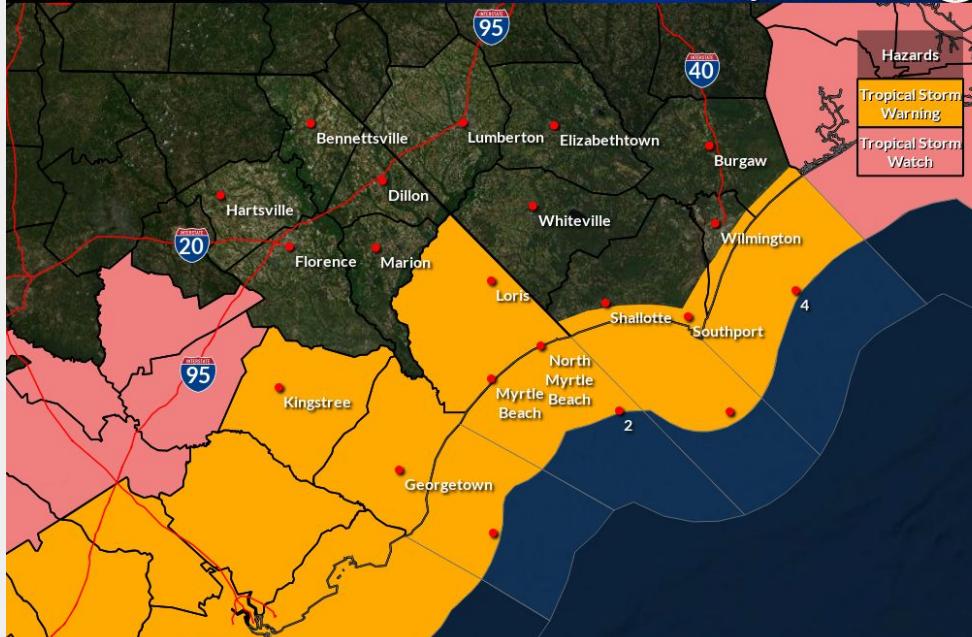
# Watches & Warnings

## Hurricane Idalia

### Tropical Storm Watches and Warnings

Hurricane Idalia

Weather Forecast Office  
Wilmington, NC  
Issued Aug 29, 2023 6:45 PM EDT



- A Tropical Storm Warning is now in effect for portions of northeast SC and southeast NC. The watch includes:
  - coastal Pender
  - coastal New Hanover
  - coastal Brunswick
  - Horry
  - Georgetown
  - Williamsburg
  - Adjacent coastal waters



# Watches & Warnings

## Hurricane Idalia

### Flood Watches

Hurricane Idalia

Weather Forecast Office  
Wilmington, NC

Issued Aug 29, 2023 6:47 PM EDT



Hazards

Flood Watch

Small Stream  
Flood Advisory



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- A Flood Watch is in effect for all of Northeast South Carolina and Southeast North Carolina.



# Wind Threat / Potential Impact

## Hurricane Idalia

\*This graphic accounts for the latest forecast and includes a reasonable safety margin to account for any forecast deviation. It represents the potential impacts to prepare for.

### Wind Threat

Hurricane Idalia

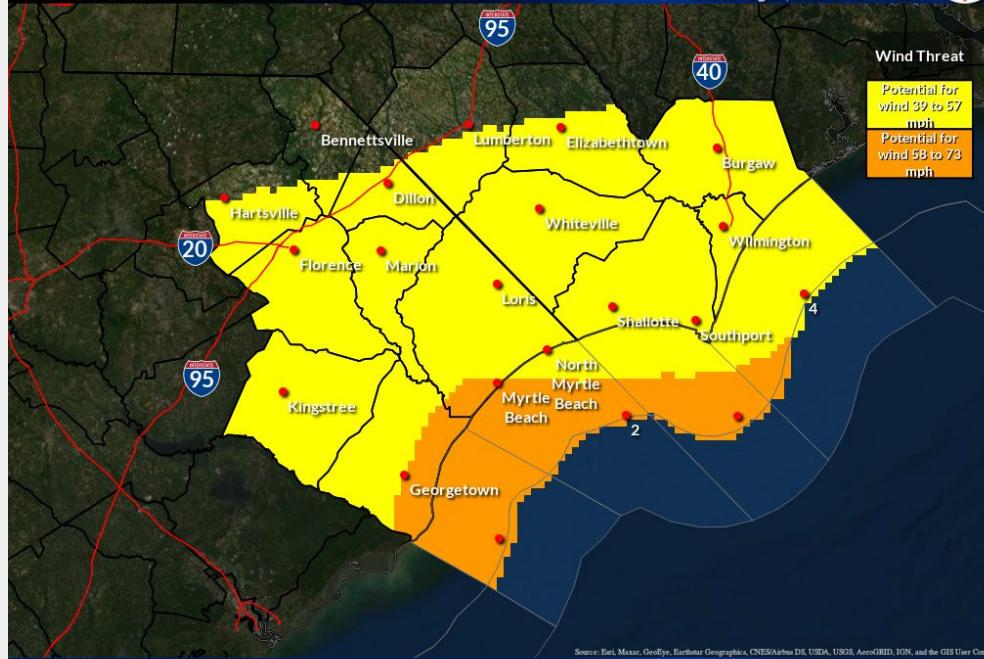
Weather Forecast Office  
Wilmington, NC  
Issued Aug 29, 2023 5:41 PM EDT



#### Wind Threat

Potential for wind 39 to 57 mph

Potential for wind 58 to 73 mph



Last updated: 8/29/2023 6:30 PM EDT

There is a potential for:

- Low to Moderate wind impacts are possible along portions of northeastern SC & southeastern NC.
- Impacts include: some downed limbs, downed weakened trees, and isolated power outages

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National Weather Service - Wilmington, NC



# Tropical Storm Wind Speed Probabilities

## Hurricane Idalia



Idalia may bring tropical storm force winds (39 mph or greater) to portions of northeast SC and southeast NC

- Chances for tropical storm force winds are about 3 in 10 along the I-95 corridor.
- Chances for tropical storm force winds are about 6 in 10 along the coast, especially south of Cape Fear.
- These winds are most likely to occur Wednesday night into Thursday.



# Most Likely Time of Arrival

## Hurricane Idalia



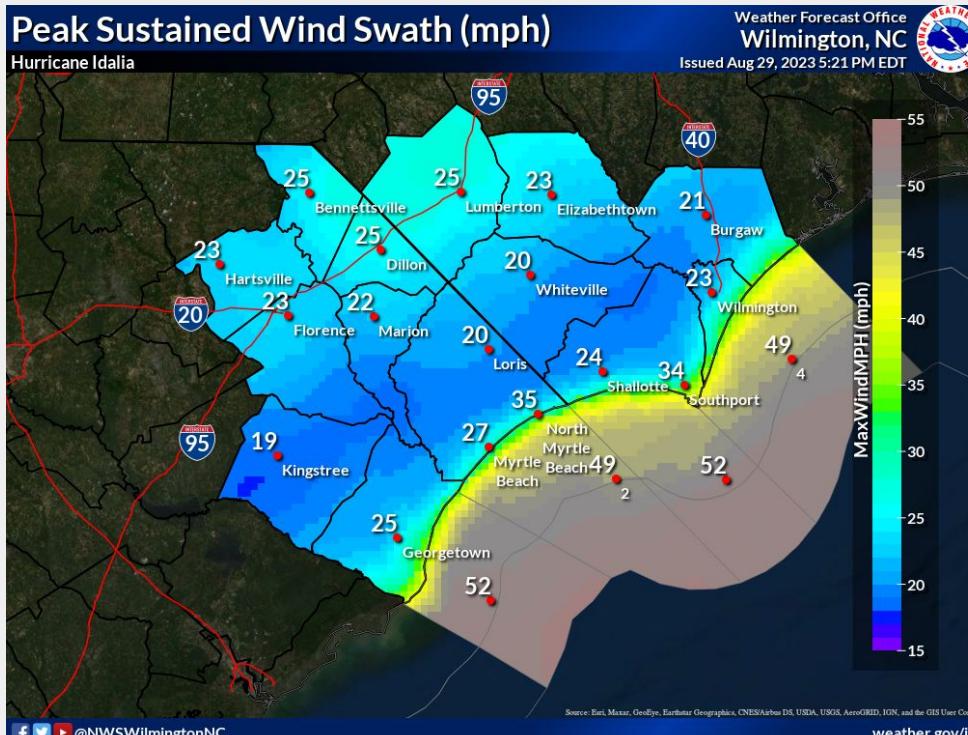
- The most likely time of arrival of tropical storm force winds across northeast SC is late Wednesday night, and early Thursday morning for southeast NC.



# Peak Sustained Wind Swath (mph)

## Hurricane Idalia

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



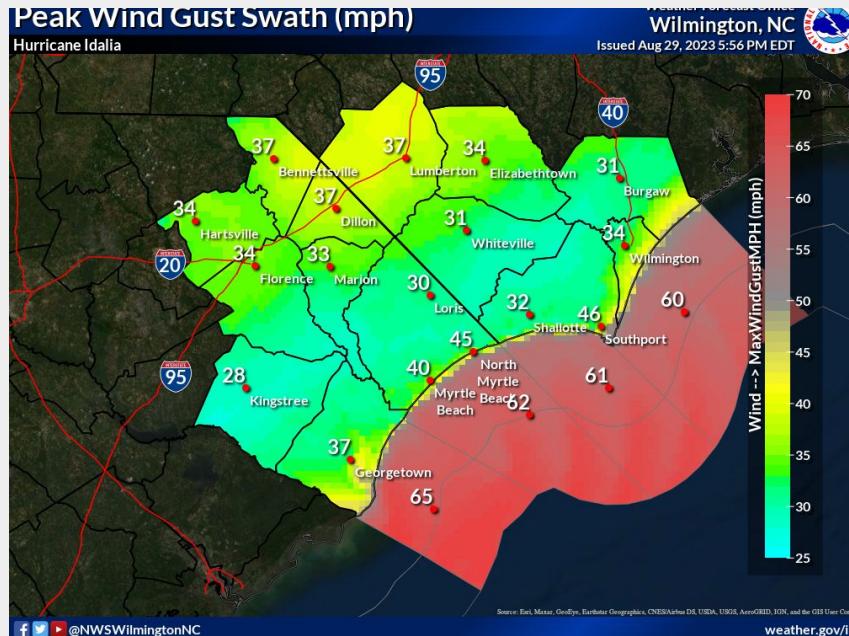
- Sustained winds of 30 to 40 mph are possible along the immediate coastal areas.
- Sustained winds of generally 20 to 30 mph are expected across much of northeast SC and southeast NC.
- Winds are expected to be highest late Wednesday night into Thursday.



# Peak Wind Gust Swath (mph)

## Hurricane Idalia

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



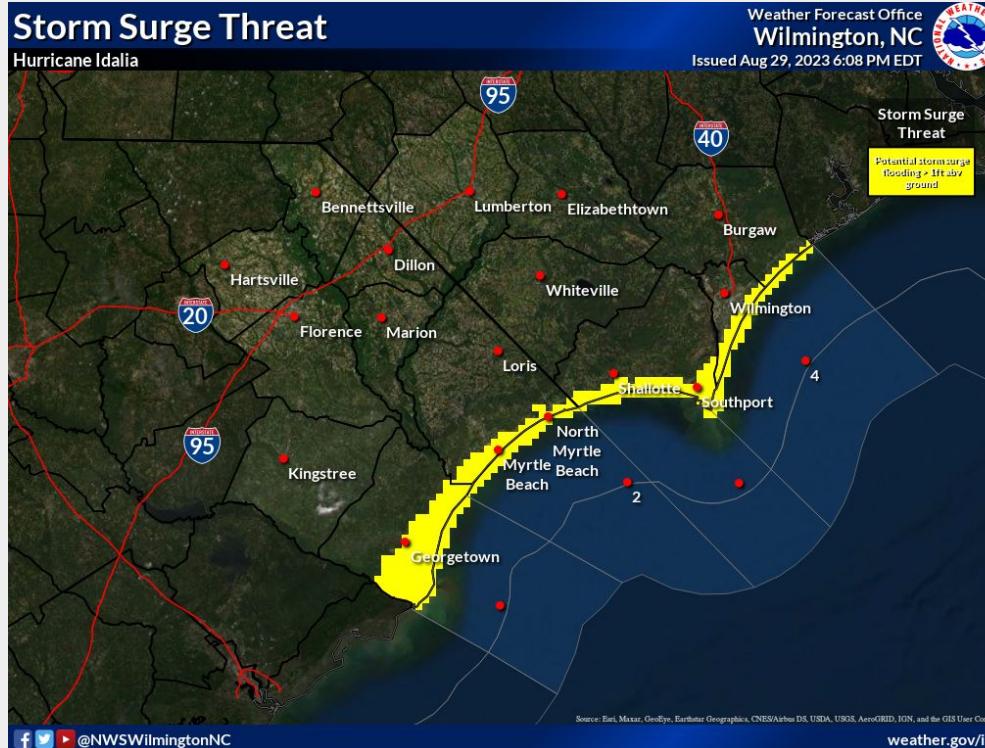
- Wind gusts of 40 to 50 mph are expected along the immediate coastal areas.
- Elsewhere across inland northeast SC and inland southeast NC gusts to 30 to 40 mph are expected.
- Winds are expected to be highest late Wednesday night into Thursday.



# Potential Storm Surge Impacts

## Hurricane Idalia

\*This graphic accounts for the latest forecast and includes a reasonable safety margin to account for any forecast deviation. It represents the potential impacts to prepare for.



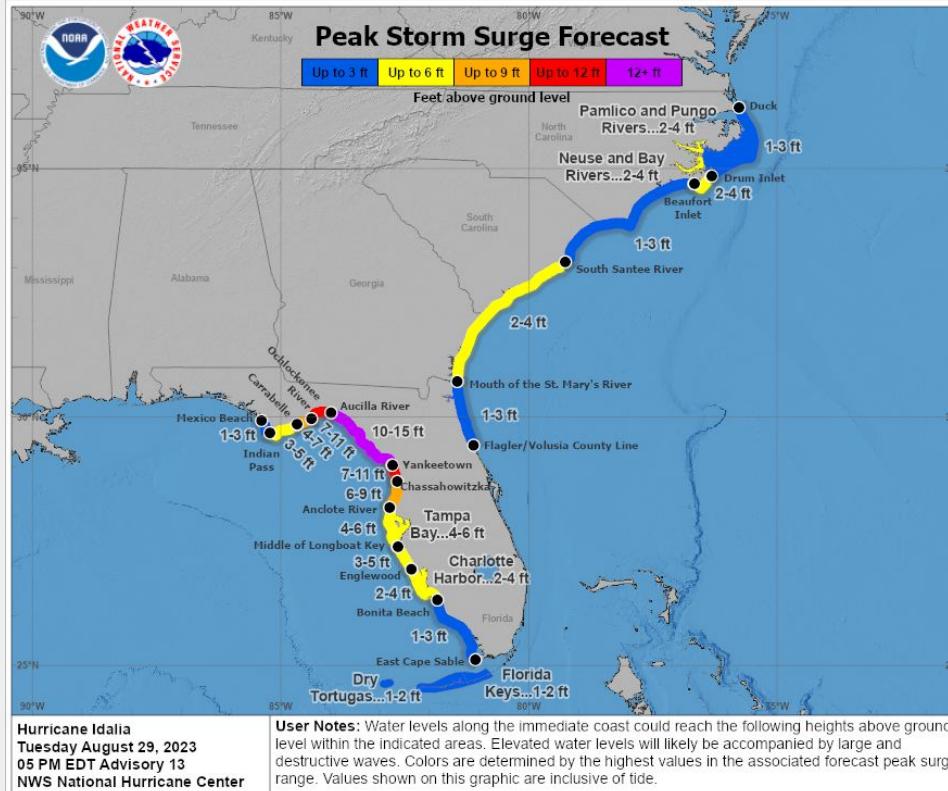
There is a potential for:

- Low impacts from storm surge flooding along the coast of northeastern SC & southeastern NC.
- Low end surge impacts include: ocean over-wash with water reaching the dunes, and flooding of low-lying prone locations along the shoreline, and tidal creeks. Some roads near tidal areas may become flooded.



# Peak Storm Surge

## Hurricane Idalia



- Overall, storm surge inundation of 1 to 3 feet above ground level is expected.
- The highest potential for storm surge flooding will be associated with high tide Wednesday night, and possibly lingering surge with high tide Thursday morning.



# Inland Flooding Impacts

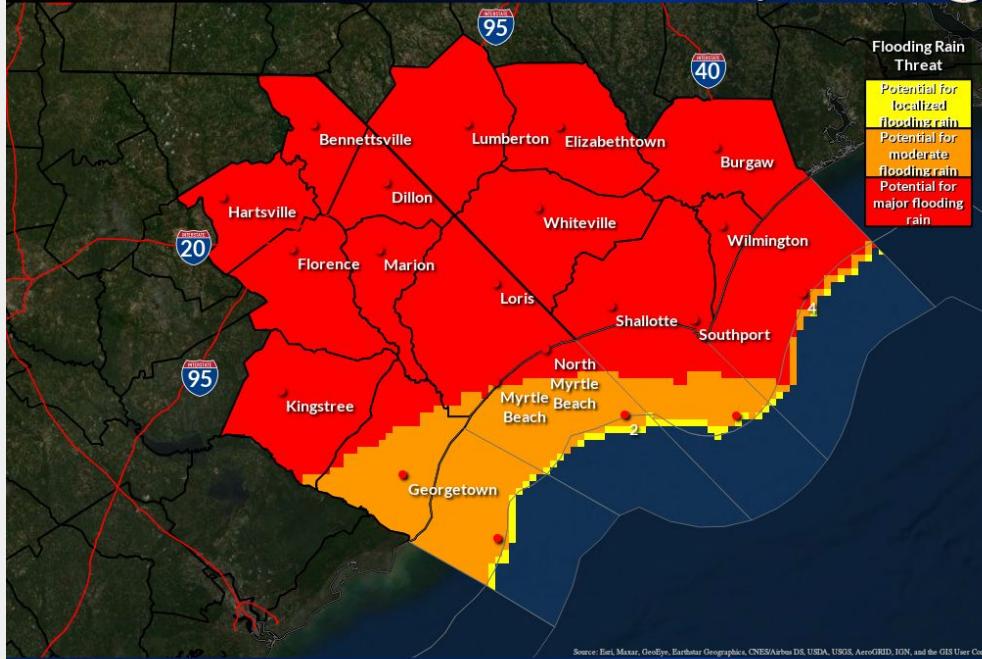
## Hurricane Idalia

\*This graphic accounts for the latest forecast and includes a reasonable safety margin to account for any forecast deviation. **It represents the potential impacts to prepare for.**

### Flooding Rain Threat

Hurricane Idalia

Weather Forecast Office  
Wilmington, NC  
Issued Aug 29, 2023 6:07 PM EDT



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Last updated: 8/29/2023 6:30 PM EDT

- There is a moderate to high potential that rainfall will create flooding across northeastern SC and southeastern NC.
- Rain associated with Idalia will begin Wednesday and last into Thursday. The heaviest amounts are expected Wednesday into Thu.
- Flooding rainfall impacts include: the inundation of low-lying prone locations and poor drainage areas. Driving conditions may become hazardous with some road closures possible.

National Weather Service - Wilmington, NC



# Expected Storm Total Rainfall

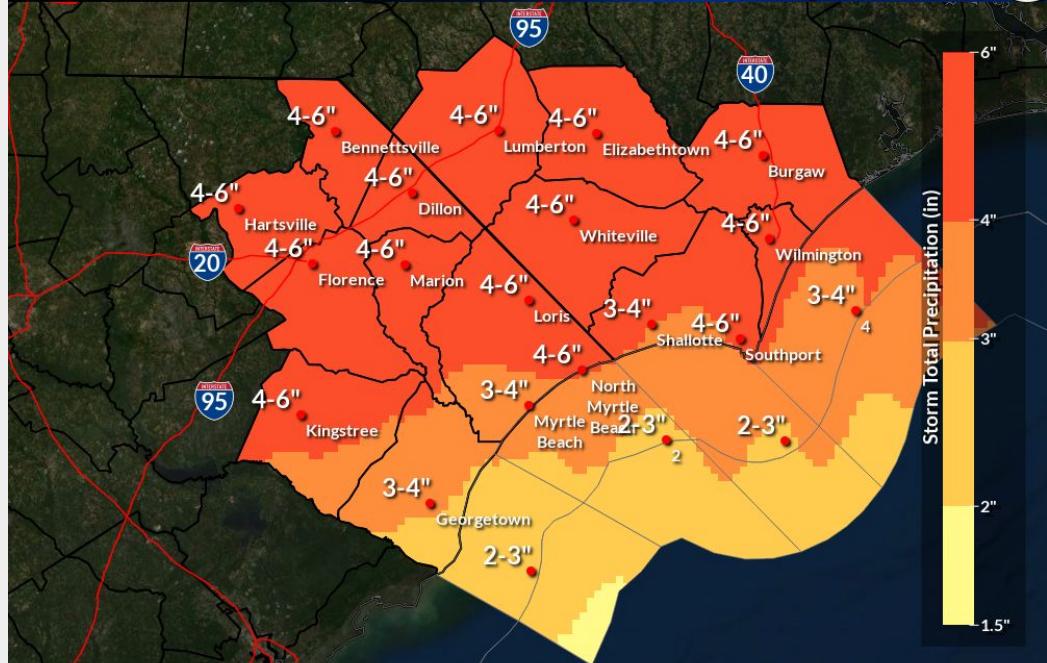
Hurricane Idalia

## Total Rainfall Expected with Idalia

Hurricane Idalia

Weather Forecast Office  
Wilmington, NC

Issued Aug 29, 2023 6:12 PM EDT



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Last updated: 8/29/2023 6:30 PM EDT

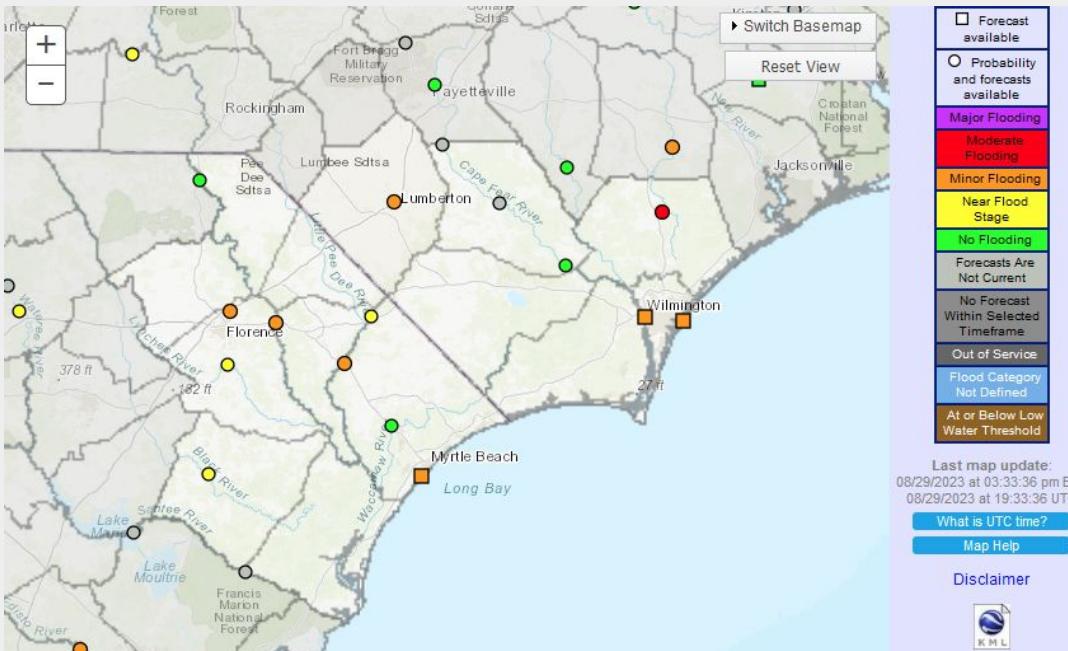
Rainfall forecasts continue to show the potential for heavy rainfall associated with Idalia.

- Overall, a swath of 4 to 6 inches of rainfall is expected across the area with a few areas receiving 2 to 4 inches.

National Weather Service - Wilmington, NC



# River Flooding Outlook Hurricane Idalia



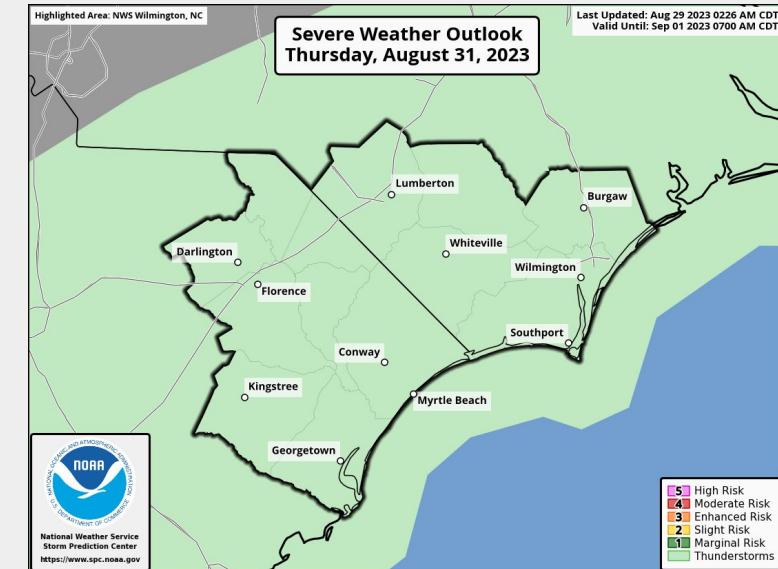
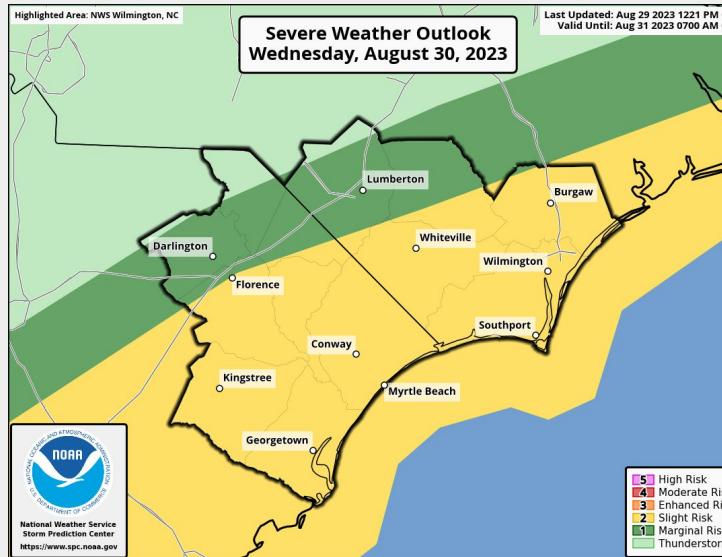
- Based on the current rainfall forecast through 2 PM Thursday, flooding is forecast late this week at the following river locations:
  - Moderate - NE Cape Fear River near Burgaw
  - Minor - Little Pee Dee at Galivants Ferry
  - Minor - Black Creek near Quinby
  - Minor - Lumber River at Lumberton
  - Minor - Pee Dee River at Pee Dee
- River flooding is possible at additional locations depending on the actual amounts and distribution of Idalia's rainfall.
- For details see:  
[https://water.weather.gov/ahps2/forecast\\_s.php?wfo=ilm](https://water.weather.gov/ahps2/forecast_s.php?wfo=ilm)



# Tornado Potential

## Hurricane Idalia

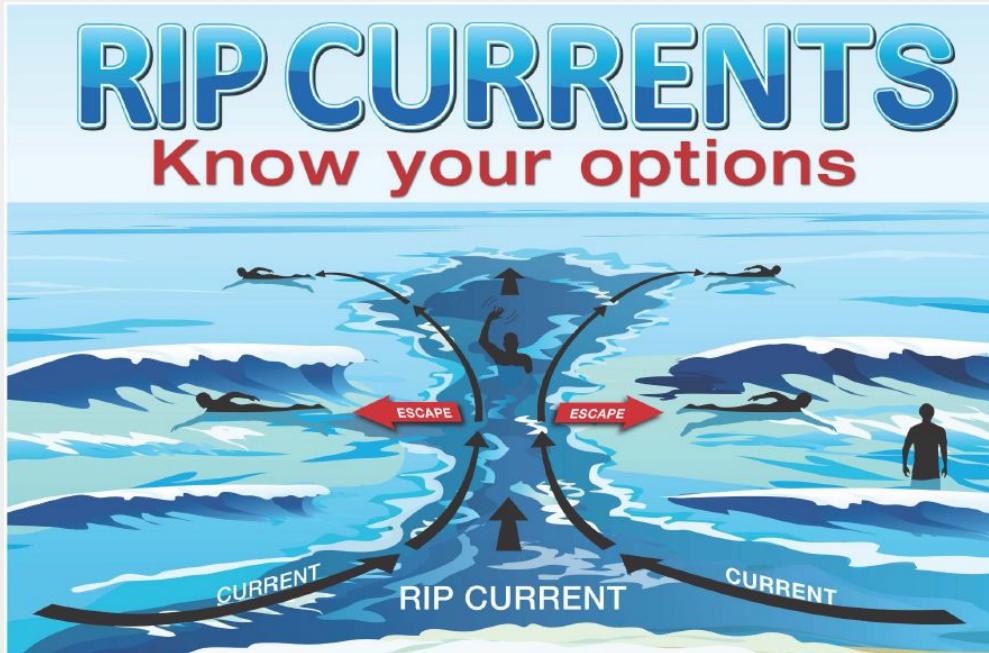
- A few tornadoes may develop in Idalia's outer rainbands Wednesday afternoon into Wednesday night. The most substantial risk is generally south of a Elizabethtown to to Florence line.





# Rip Currents and Dangerous Surf

Hurricane Idalia



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.

- Please do not forget that **dangerous rip currents** and rough surf are expected today through mid-week from distant Hurricane Franklin.
- The rip current threat will linger through the end of the week with Idalia as well.



# Key Take-Aways

## Hurricane Idalia

Confidence is moderate regarding the evolution of the event. Confidence is moderate regarding impacts.



- Impacts remain highly dependent on the track and strength of the system. However, significant wind impacts are not expected based on the current forecast.



- While some storm surge inundation is possible during high tides Wednesday night into possibly Thursday morning, significant surge related impacts are not expected at this time.



- Heavy rain is likely with Idalia and this may lead to flash flooding. Moderate river flooding along the Northeast Cape Fear River near Burgaw and Minor river flooding may develop in the wake of Idalia this weekend and early next week.



- A few tornadoes are possible as Idalia approaches our area, especially during Wednesday afternoon and Wednesday evening.



- Dangerous marine conditions (winds and seas) are expected across the coastal and offshore waters.



# Local Resources

Hurricane Idalia

Next Briefing:  
7 AM EDT Wednesday  
Method: Email



www

**Web:** <https://www.weather.gov/ilm/>



**Phone:** 910-762-4289



**E-mail:** [nws.ilm.operations@noaa.gov](mailto:nws.ilm.operations@noaa.gov)



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