



*Disclaimer: The information contained within is time-sensitive.*

# Hurricane Milton Briefing

12:30 PM

Wednesday, October 9, 2024

**\*\* No Significant Changes from Previous Briefing \*\***





# Situation Overview

October 9, 2024  
12:30 PM

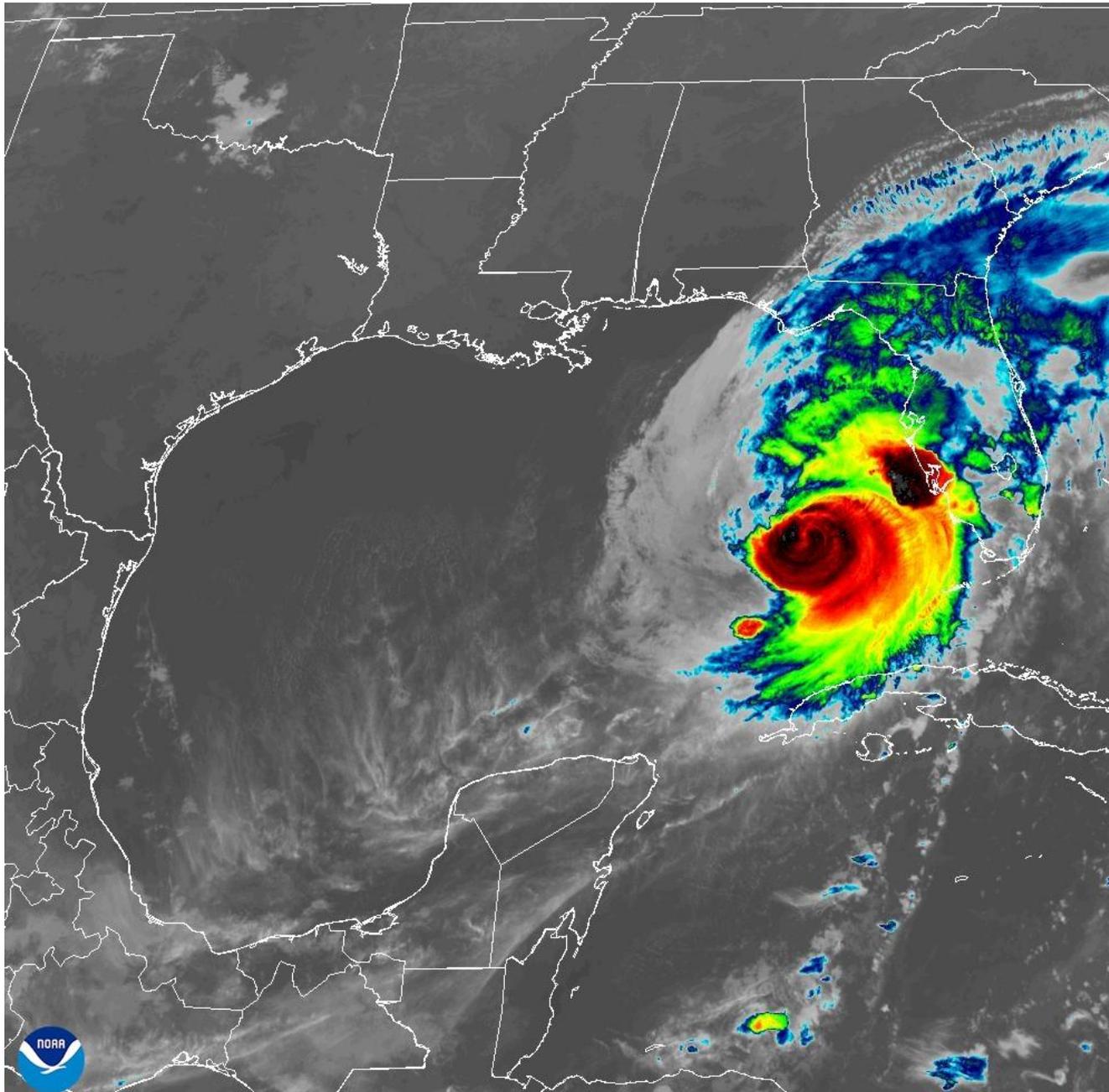
- Milton a category 4 hurricane with a slow weakening trend, and expansion of the wind field expected over the next few days
- **Local Impacts of Concern:**
  - Storm surge/coastal flooding
  - Gusty winds (mainly along the coast)
  - Dangerous marine conditions
- Improving conditions later Thursday night into Friday





# Current Satellite View

October 9, 2024  
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09 Oct 2024 14:06Z - NOAA/NESDIS/STAR - GOES-East - Band 13 - GM

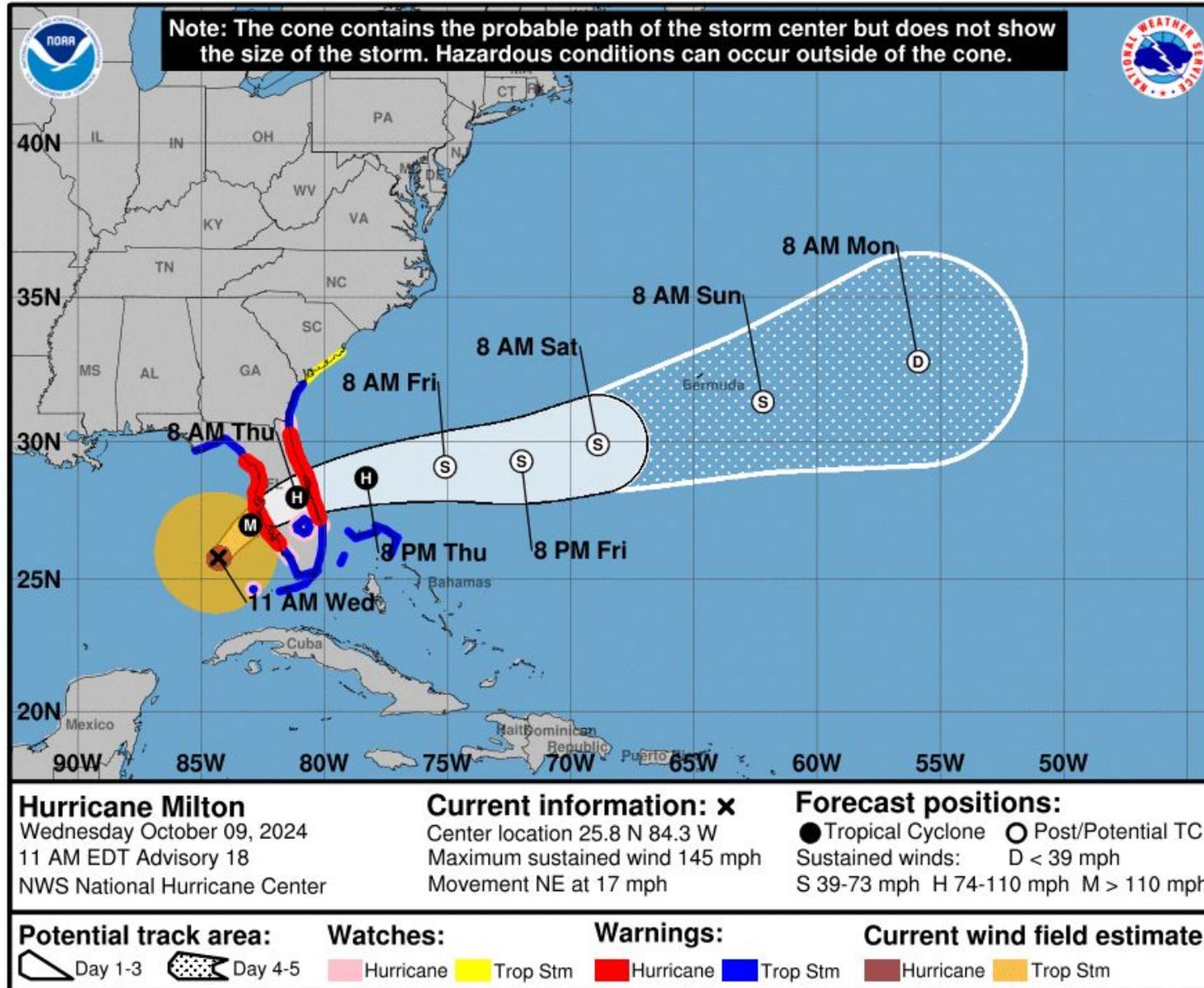
- Milton a dangerous CAT 4 Hurricane
- Now starting to accelerate toward the northeast today as it approaches the west-central Florida coast
- A slow weakening trend, along with expanding wind field to the north, over the next few days





# Situation Overview

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- **Current conditions:** Dangerous CAT 4, with max sustained winds of 145 mph!
- **Movement:** Expected to continue to accelerate to the northeast today, making landfall as a Major Hurricane on the west coast of Florida late tonight, then off the east-central FL Coast Thursday
- **Milton's wind field** beginning to expand to the north and west as it approaches Florida

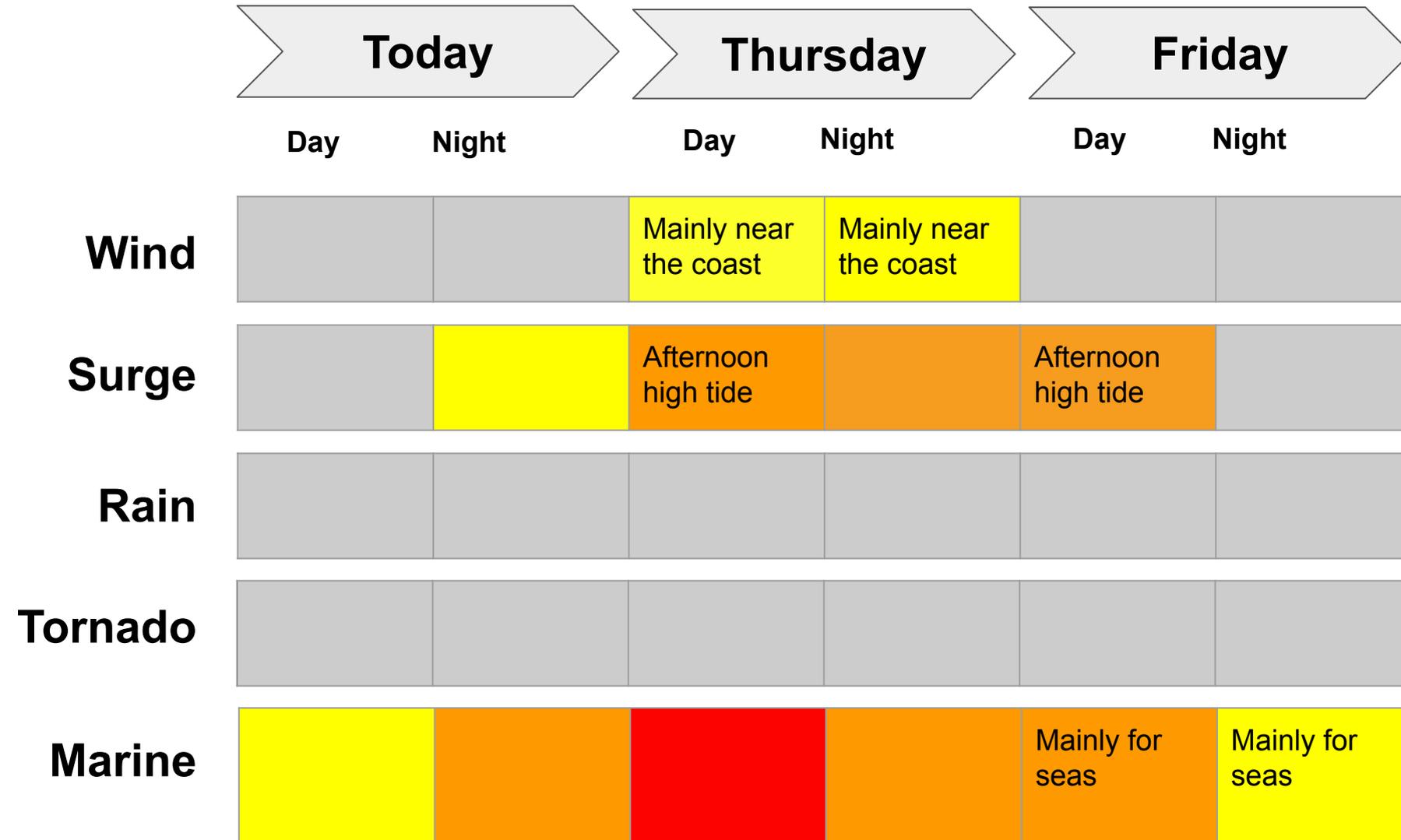




# Threat Levels - Max Values for the Storm

October 9, 2024  
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**\*\*UPDATES\*\***: Threat levels little/no changed from previous briefing



**Effects and Impacts Legend**

- Little to No Impact
- Minor Impact
- Moderate Impact
- High Impact
- Extreme Impact



# Situation Overview

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**\*\*UPDATES\*\***: Threat levels remain unchanged from previous briefing

Hazard	Impacts	Location	Timing
 <p><b>Wind</b></p>	<p>TS wind/wind gusts resulting in some downed and/or uprooted trees, isolated to scattered power outages, some roads maybe impassable due to debris</p>	<p>Strongest winds closer to the coast, especially Savannah, GA to the Altamaha River</p>	<p>Mainly late tonight through Thursday, possibly into Thursday evening</p>
 <p><b>Storm Surge and Inundation</b></p>	<p>Moderate to High impacts from inundation possible. Flooding of some coastal roads and structures possible</p>	<p>Highest threat area from Edisto Beach, SC, southward to the Altamaha River. However, could also get coastal flooding for Charleston County</p>	<p>Mainly with the Thursday afternoon high tide, then again possibly for the late Thursday night and Friday afternoon high tides</p>
 <p><b>Flooding Rain</b></p>	<p>No significant, widespread freshwater flooding impacts are expected</p>	<p>N/A</p>	<p>N/A</p>
 <p><b>Tornado</b></p>	<p>No impacts from tornadoes are currently expected</p>	<p>N/A</p>	<p>N/A</p>
 <p><b>Marine</b></p>	<p>Dangerous seas and tropical storm force winds/wind gusts with life-threatening conditions, especially for smaller crafts</p>	<p>Entire marine area from the Altamaha River, GA to the South Santee River, SC. Tropical Storm force wind gusts also possible within Charleston Harbor</p>	<p>Mainly late tonight through Thursday night</p>



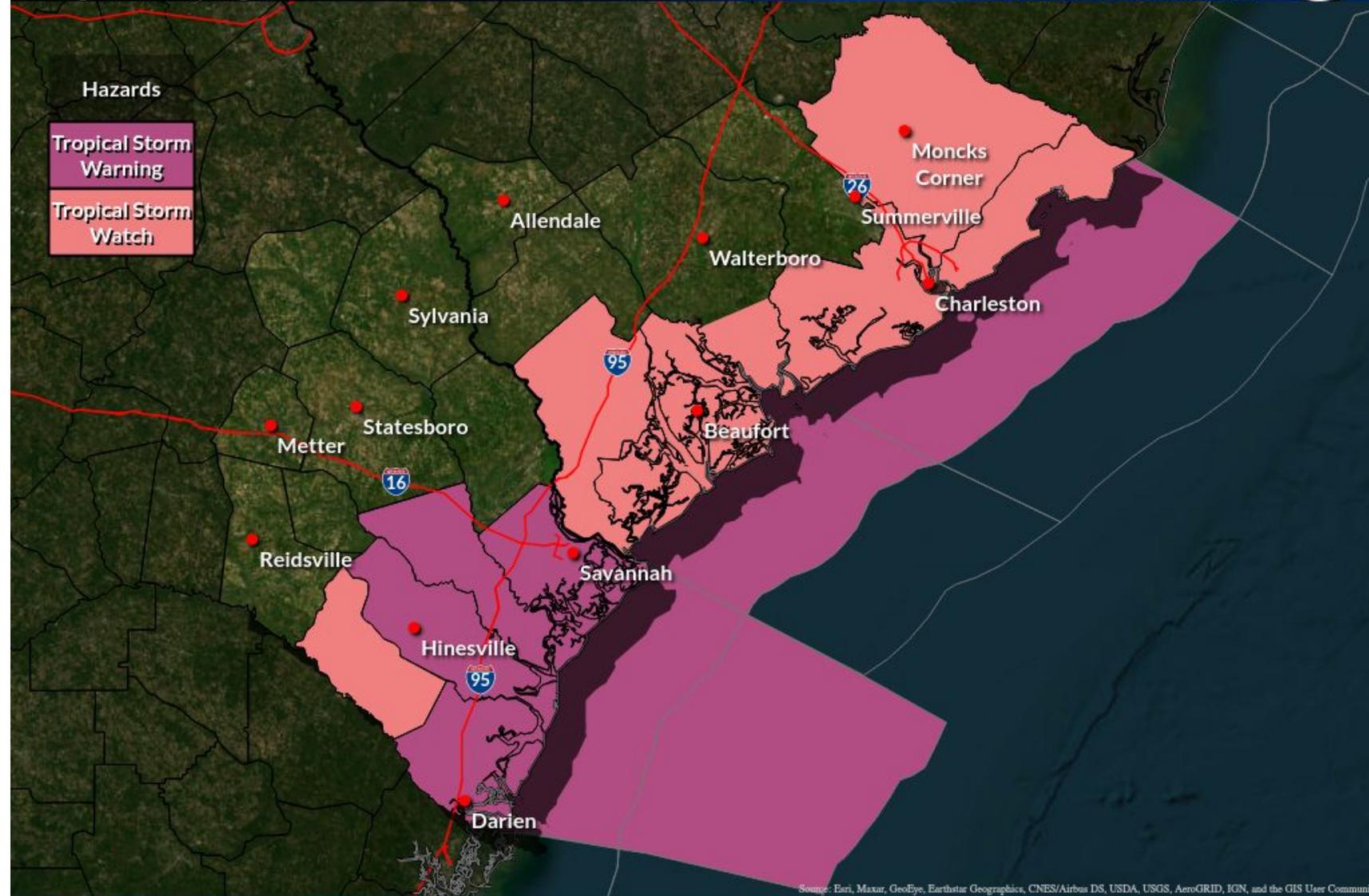
# Tropical Storm Watch/Warning

## Tropical Storm Watches/Warnings

through Thursday Night

Weather Forecast Office  
Charleston, SC

Issued Oct 09, 2024 5:49 AM EDT



NWSCharlestonSC

[weather.gov/chs](https://weather.gov/chs)

- **Tropical Storm Warning:** Georgia coast, and all Atlantic coastal waters
- **Tropical Storm Watch:** South Carolina coast + Long County, GA, Charleston Harbor
  - Best chances for Tropical Storm Force winds/wind gusts will be near the coast

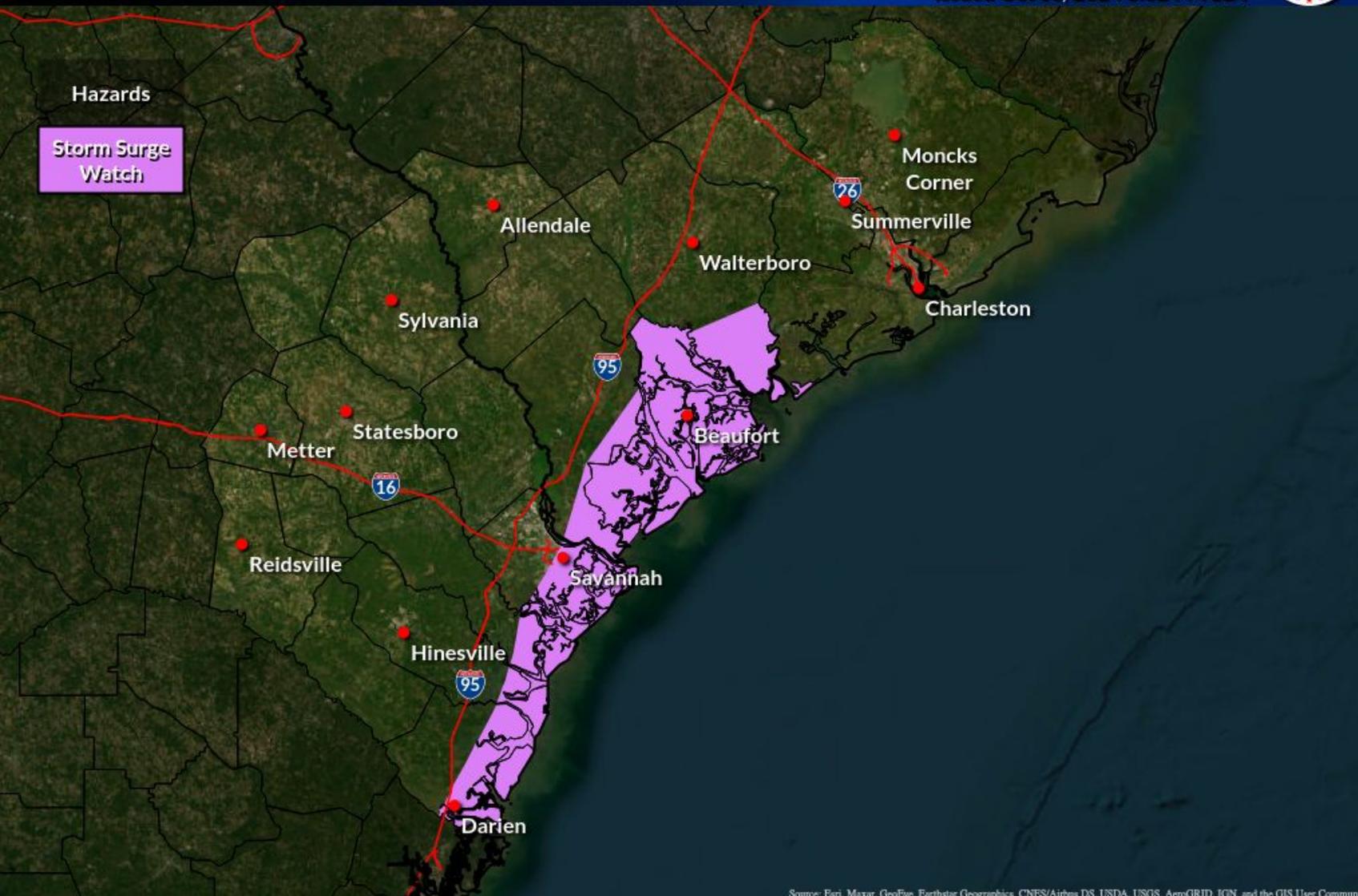


# Storm Storm Watch

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## Storm Surge Watch

Weather Forecast Office  
Charleston, SC  
Issued Oct 08, 2024 3:02 PM EDT



NWSCharlestonSC

[weather.gov/chs](https://weather.gov/chs)

- **Storm Surge Watch** remains in effect: Edisto Beach, SC, southward to the Altamaha River
- Inundation: Up to 2 to 4 feet of water above normally dry regions in/around the tidal area
- We will be deciding whether or not to upgrade this area to a Storm Surge Warning or drop it. *(Stay tuned!)*



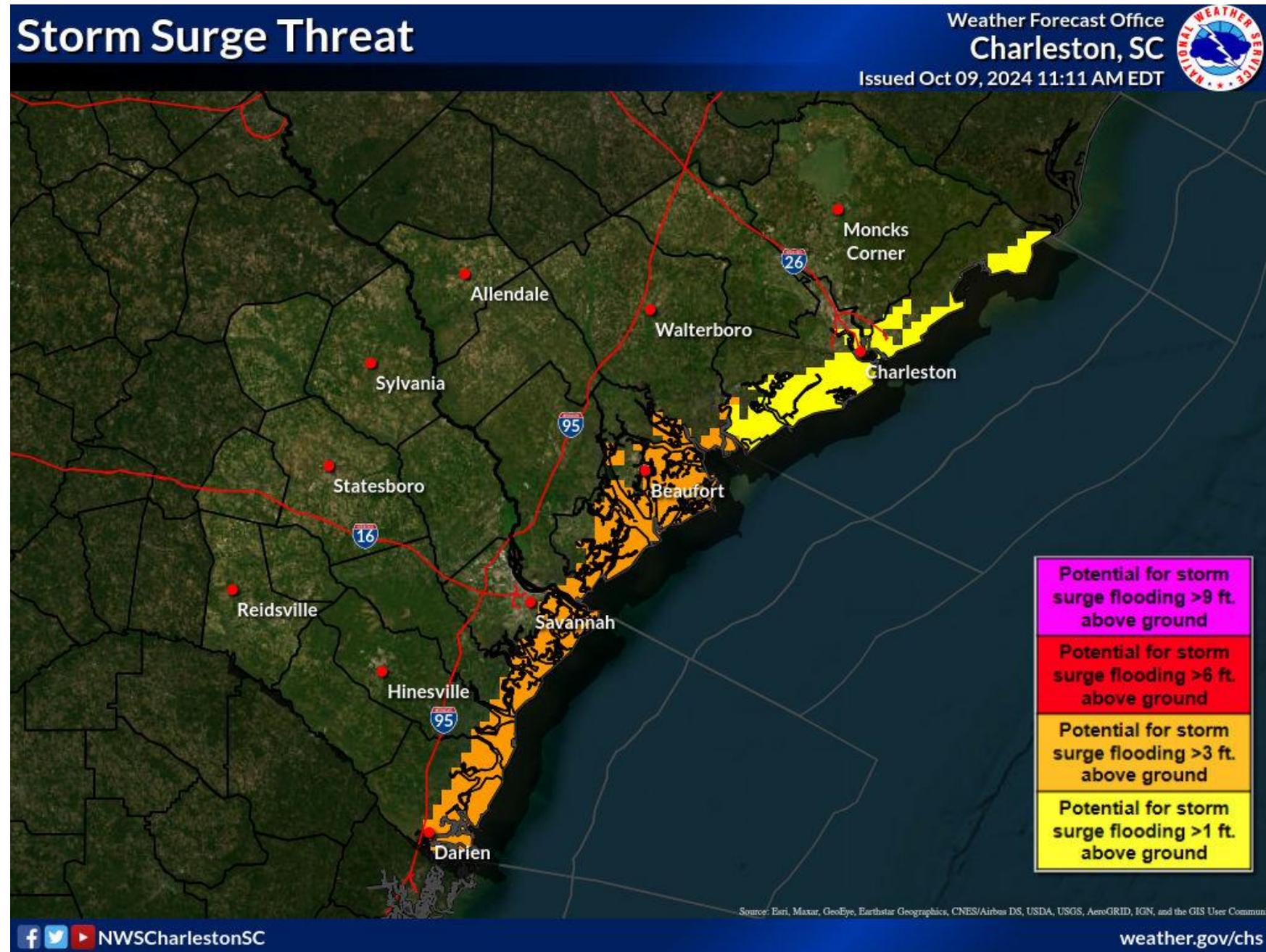
National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Charleston, SC



# Potential Storm Surge Impacts

October 9, 2024  
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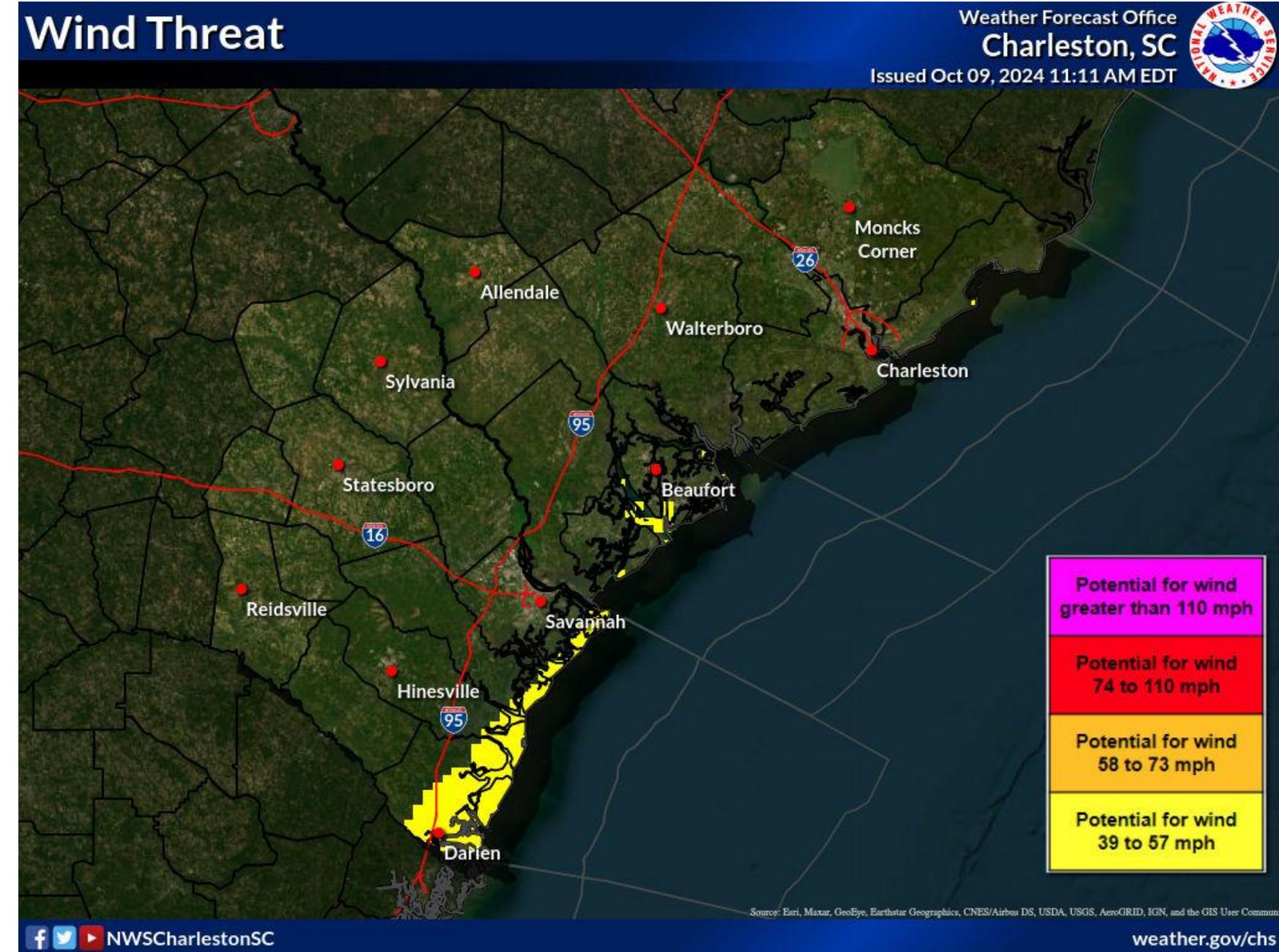


- **Storm Surge Watch** Altamaha River, GA, north to Edisto Beach, SC
  - Storm Surge Inundation of 2-4 feet above normally dry ground in/around tidal region
- **Note:** NO Storm Surge Watch in place for Charleston County, SC
- **Timing:** Highest Tide levels expected to be Thursday afternoon. *May* have additional flooding with late Thursday night and Friday afternoon high tide cycles



# Wind Threat / Potential Impacts

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- **Tropical storm force winds mainly confined to the immediate coast**, with greatest confidence along the GA coast where a Tropical Storm Warning is now in effect
- **Threat Timing:** Early Thursday morning through Thursday night
- **Impacts** (mainly along the coast):
  - Isolated to scattered downed/uprooted trees, broken limbs
  - Isolated to scattered powers outages
  - **Trees/limbs may break easier being weakened from Helene**



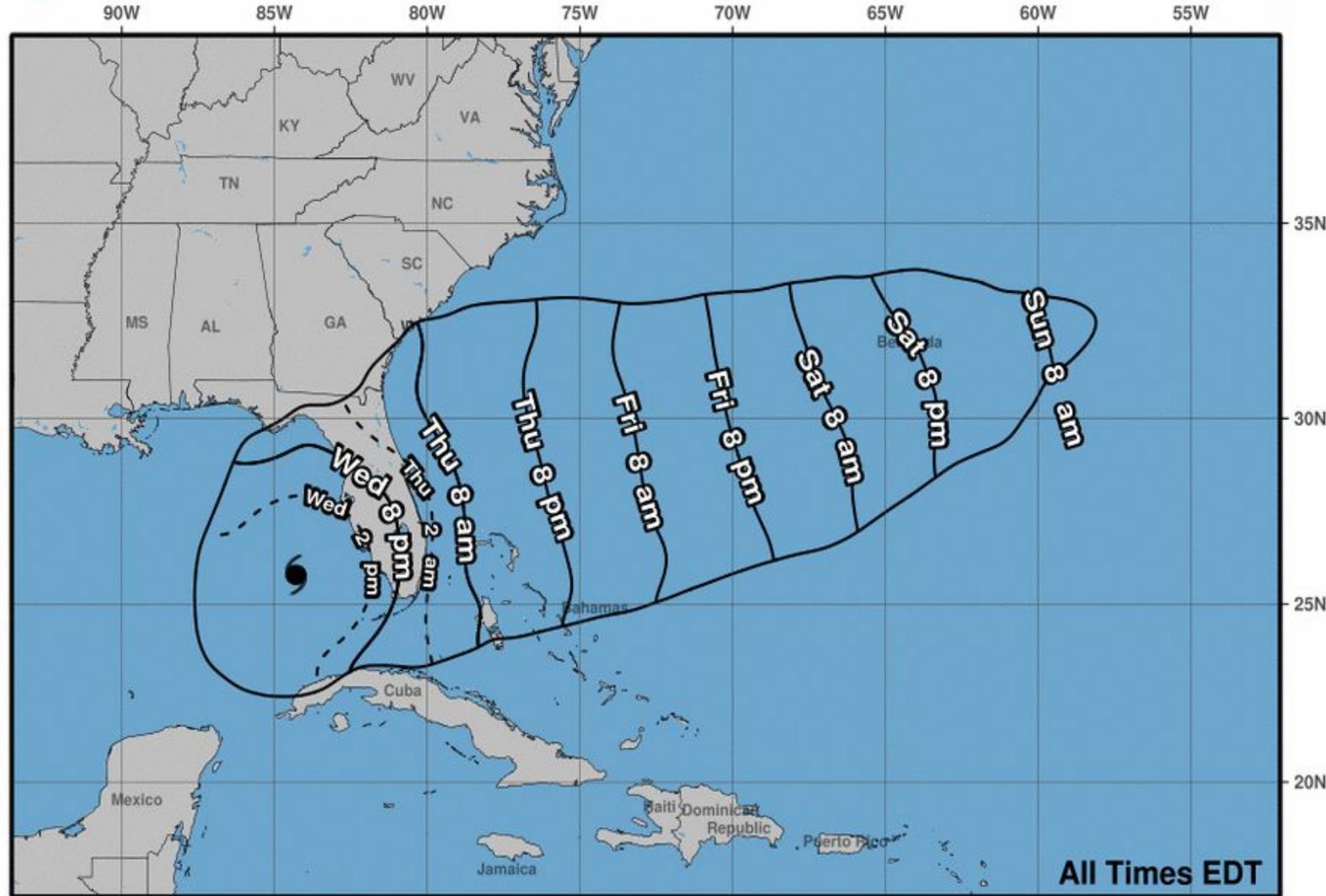


# Most Likely Time of Arrival

October 9, 2024  
12:30 PM



## Most Likely Arrival Time of Tropical-Storm-Force Winds



### Mostly Likely Arrival of Tropical Storm Force winds

- Southeast GA - Early Thursday morning
- Southeast SC - Thursday afternoon

**Hurricane Milton**  
 Wed. Oct. 9, 2024 11 am EDT  
 Advisory 18

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

NOTE: Areas within the outermost black contour have at least a 5% chance of receiving winds of 34+ kt (39+ mph)

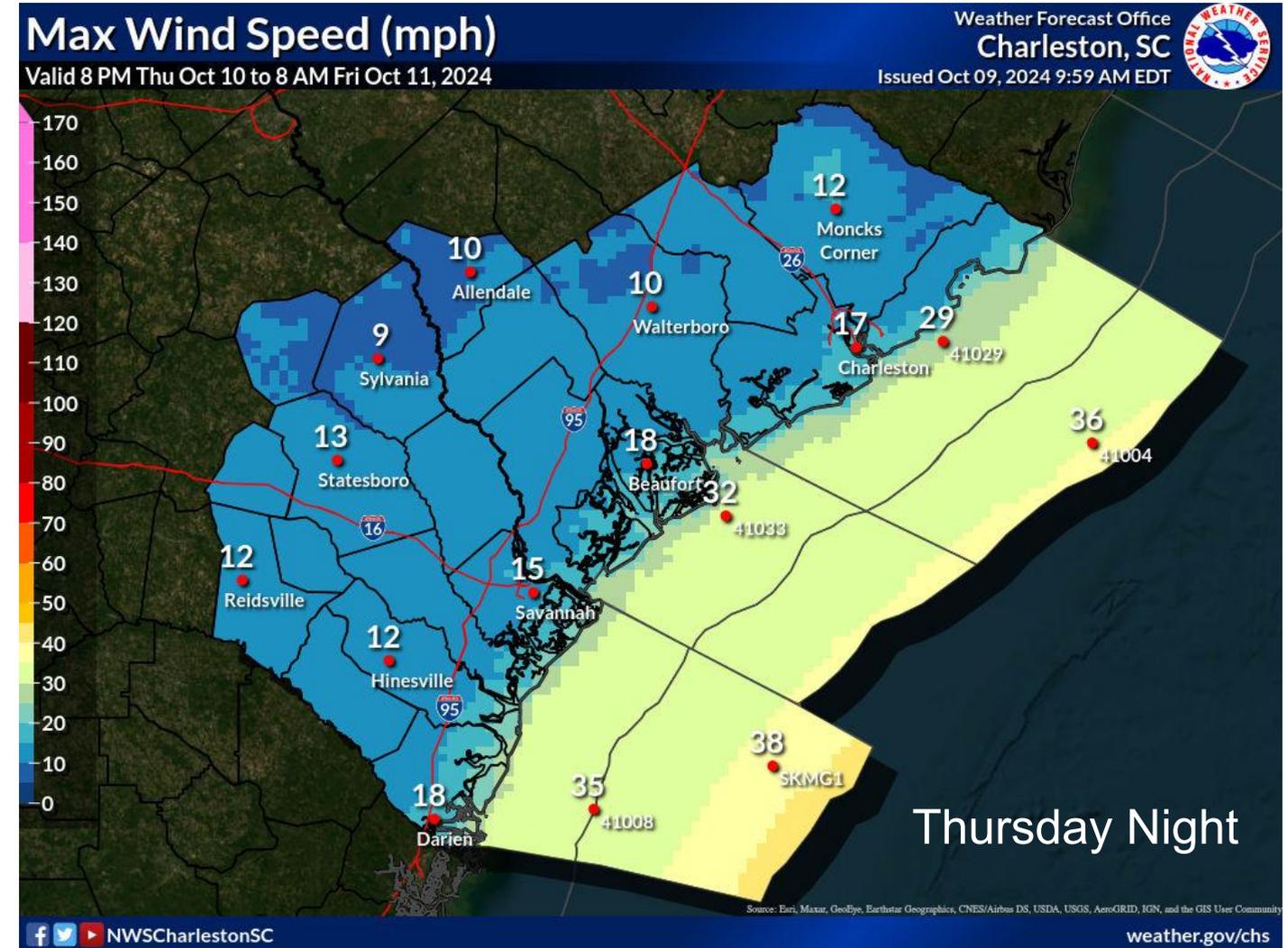
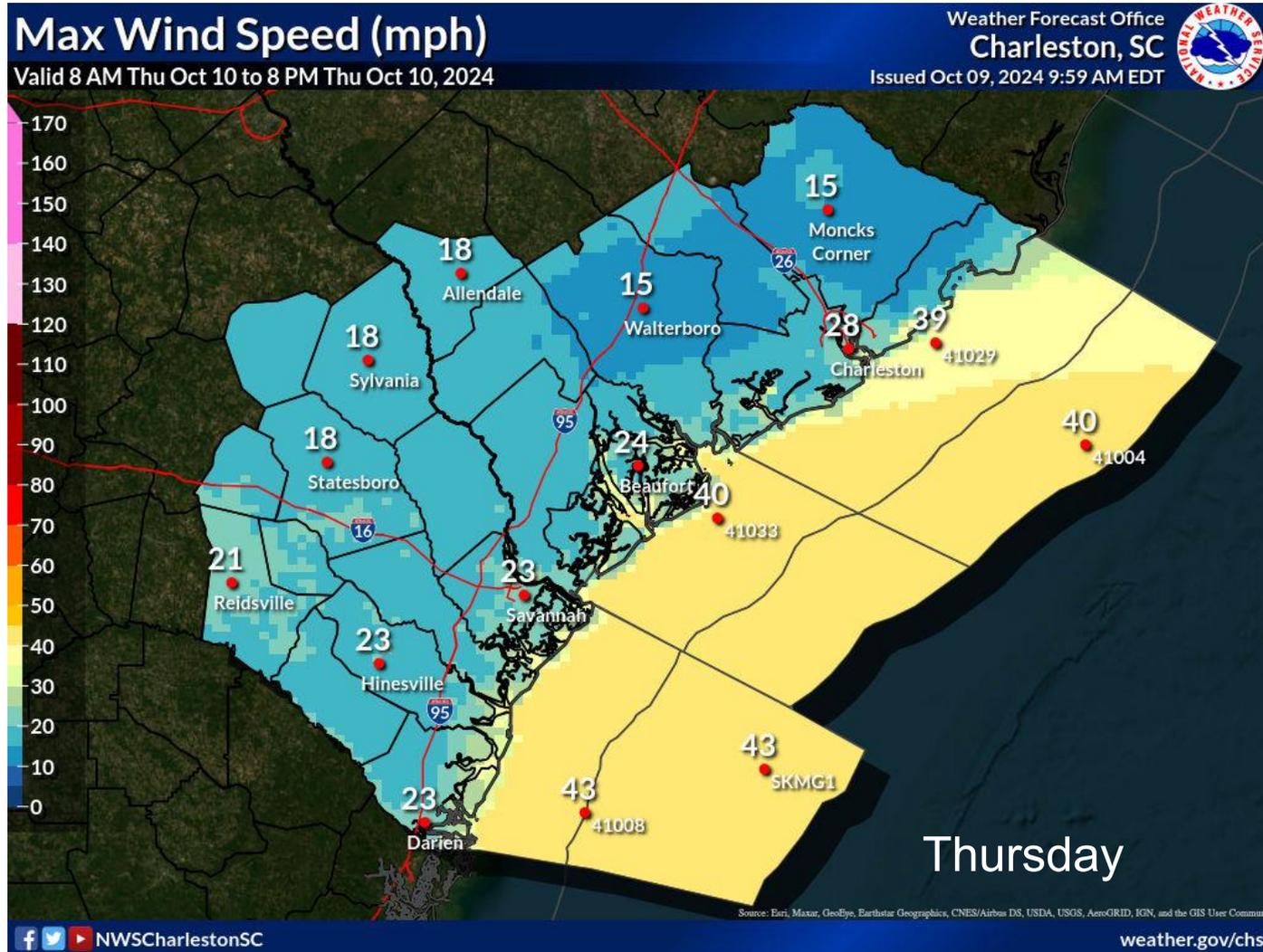




# Wind Threat / Potential Impacts

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**CAUTION: These Specific/Deterministic Wind Speeds May Change with Later Forecasts**



## Expected Max Sustained Winds (mph):

- Generally 20-30 mph, highest near the coast. Similar winds could occur inland, especially by Thursday afternoon
- **Impacts:** Isolated to possibly scattered power outages, some downed/uprooted trees, broken tree limbs
- **CAUTION:** Some trees/limbs may break easier due to being weakened by winds from "Helene"

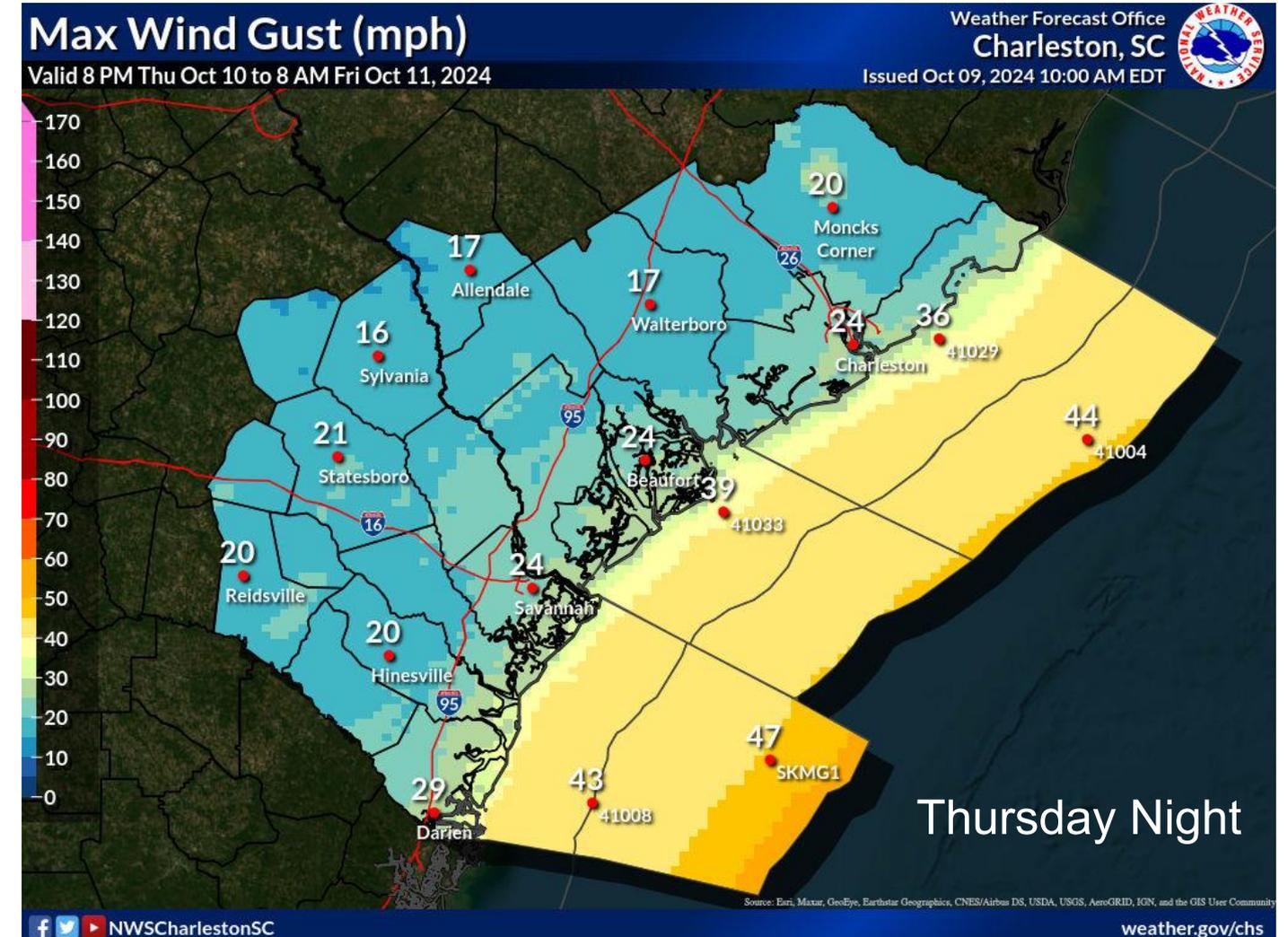
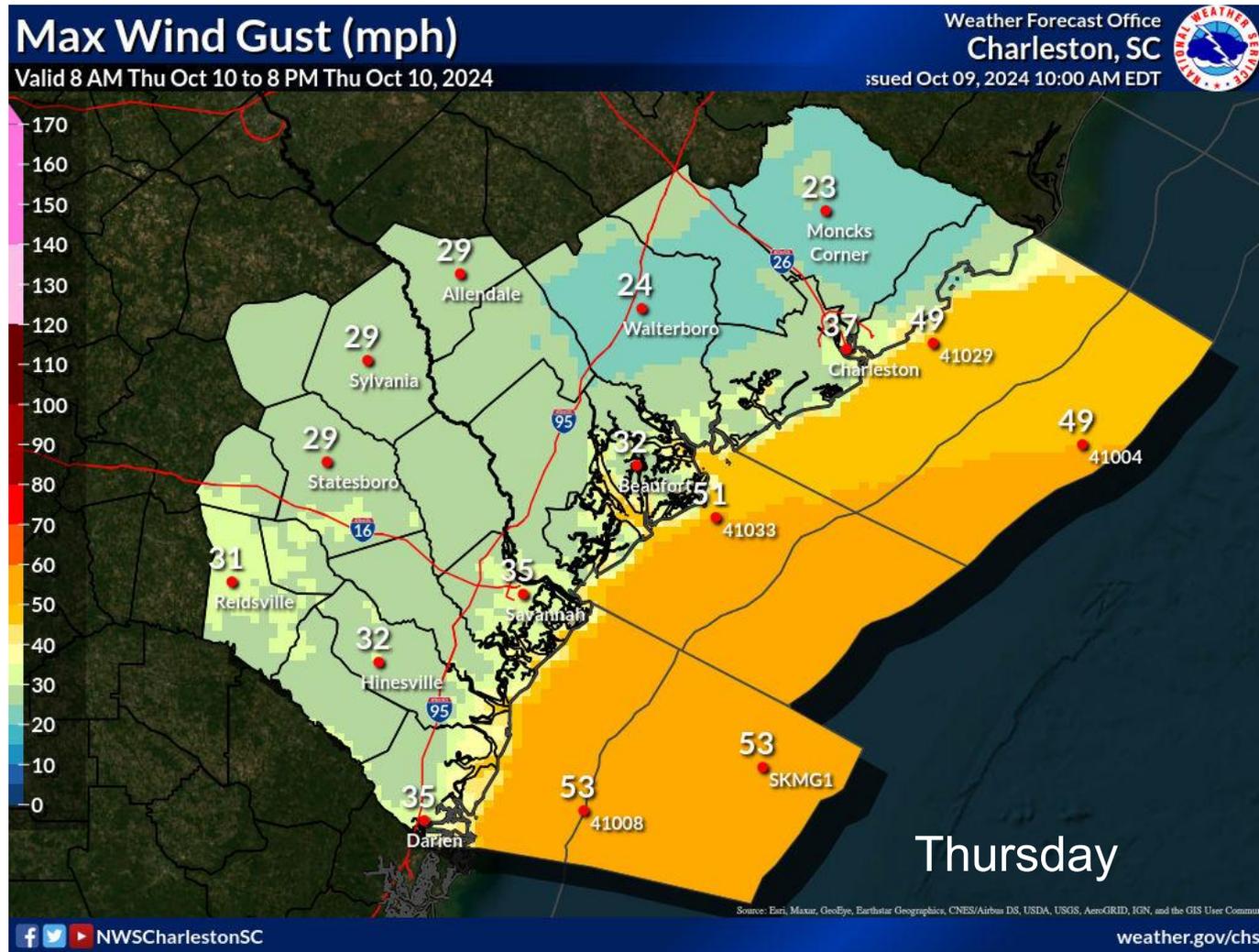




# Wind Threat / Potential Impacts

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## Expected Max Wind **Gusts** (mph):

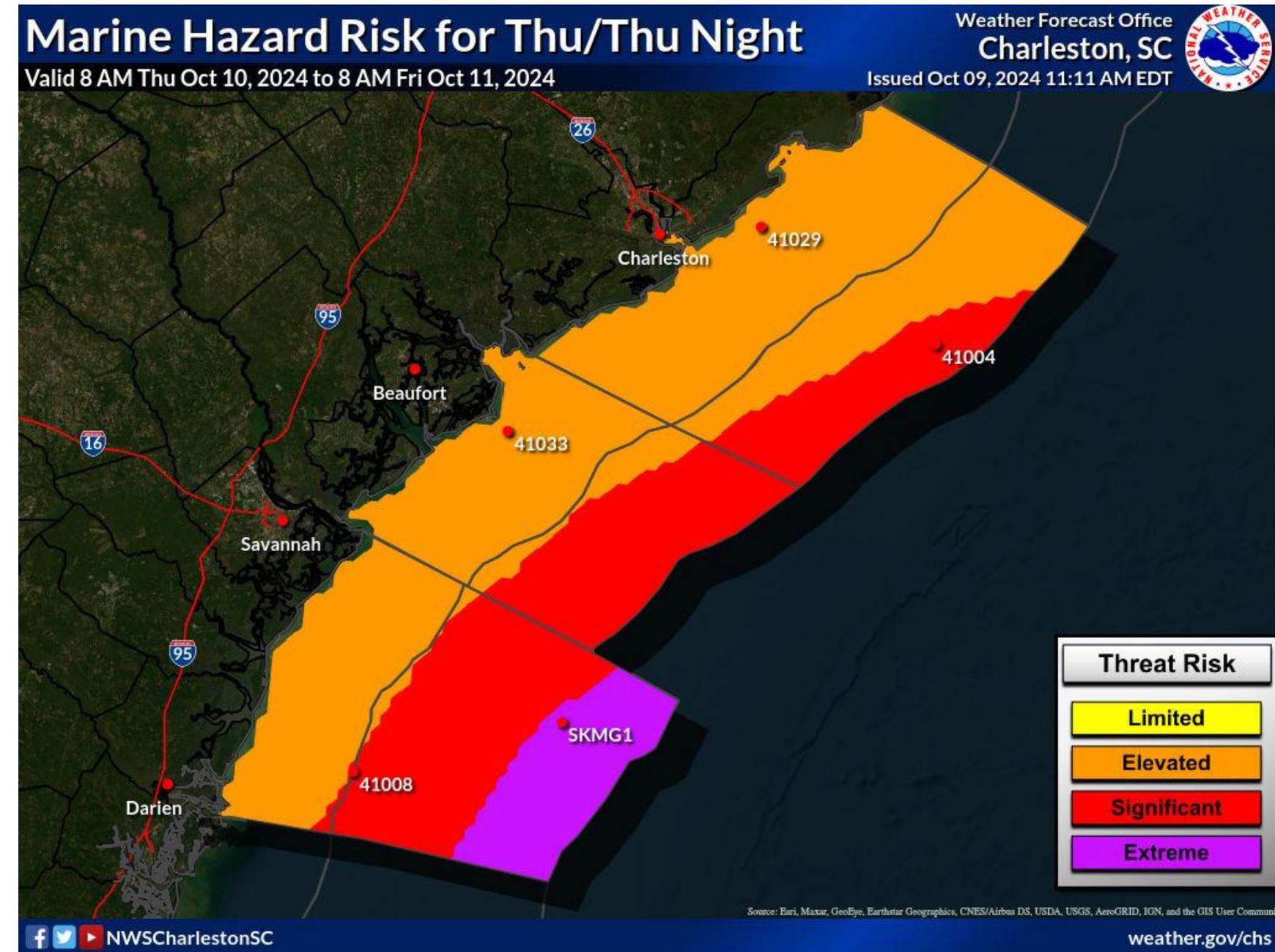
- Generally 30-45 mph, especially coastal areas | Note: Some inland areas could see similar gusts
- **Impacts:** Isolated to possibly scattered power outages, some downed/uprooted trees, broken tree limbs
- **CAUTION:** Some trees/limbs may break easier due to being weakened by winds from "Helene"





# Potential Marine Impacts

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- **Tropical Storm Force Wind/Wind Gusts:**
  - Sustained Winds: 30-40 knots, Gusts 40-50 knots (highest beyond 20 nm)
  - Strongest winds/wind gusts occur Thursday afternoon
- **Dangerous Seas/Waves:**
  - Seas building to 8-14 feet out 20 nm and 14-18 feet from 20-40 nm Thursday and Thursday night
- Decreasing Winds/Seas Late Thursday night and into Friday morning
  - **Note:** Seas may remain at SCA levels into Saturday

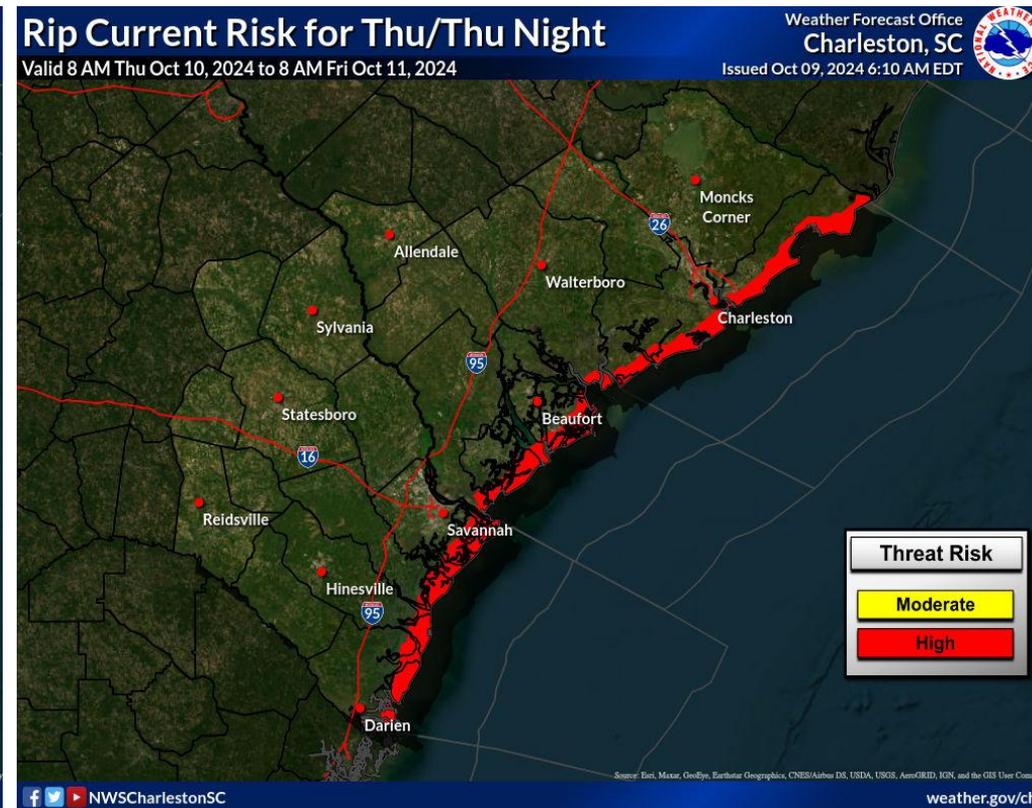
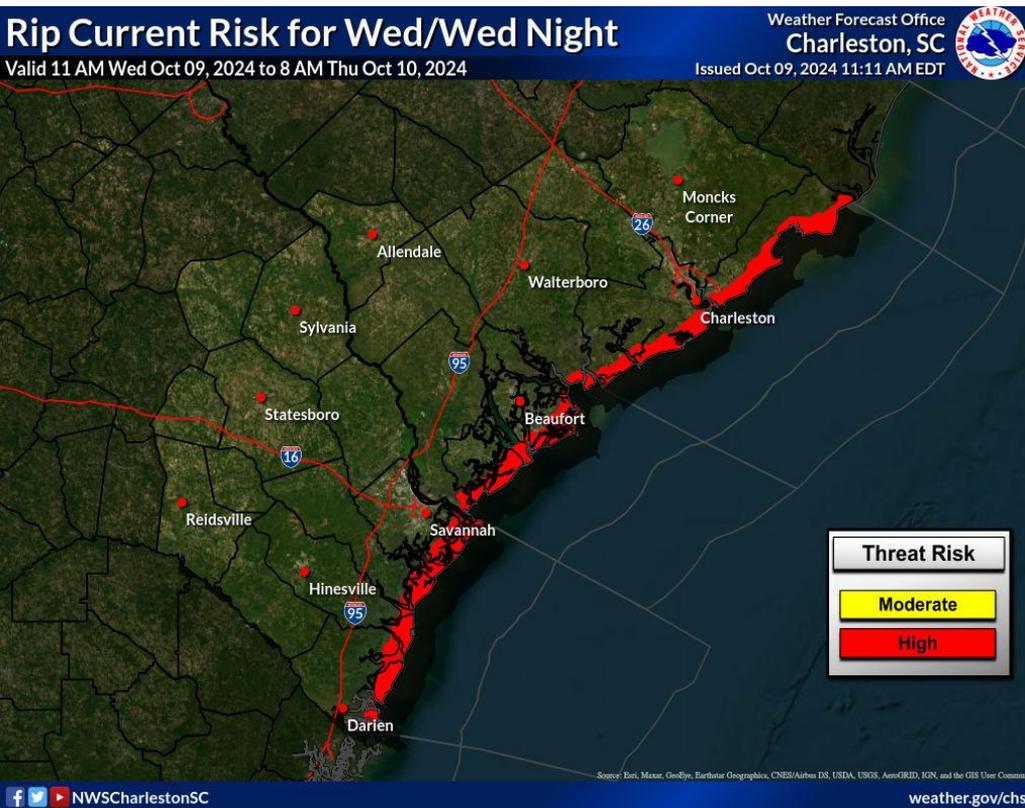




# Potential Beach Impacts

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## Beach Hazards



- **High Risk for Deadly Rip Currents** through at least Thursday night
- **High Surf and Significant Beach Erosion Likely**
  - **Timing:** mainly tonight through Friday morning
  - **Breakers:** As high as 5 to 8 ft at the beaches



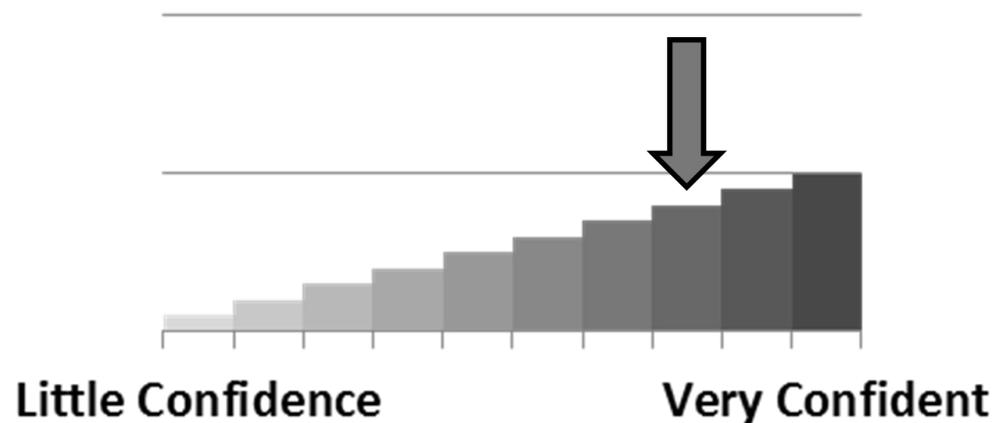


# Key Take-Aways

October 9, 2024  
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- Milton a dangerous Category 4 Hurricane. A slow weakening trend and expanding wind field expected for the next few days
- Primary Impacts: Minor to moderate storm surge inundation, dangerous marine conditions, and gusty winds along the coast are the primary impacts
- Conditions will improve later Thursday night into Friday

## Forecast Confidence



Overall Storm Track Confidence: **High**

Confidence for Local Level & Timing of Impacts: **Moderate to High**





## Next Briefing:

Wednesday, October 9

6:00 PM EDT

Method: email/slides