



Disclaimer: The information contained within is time-sensitive.

Hurricane Milton Briefing

12:30 PM

Tuesday, October 8, 2024

**** Storm Surge Inundation and Beach Erosion Likely Highest Impact ****

**** Total Rainfall Lower than Previous Forecast ****





Situation Overview

October 8, 2024
12:30 PM

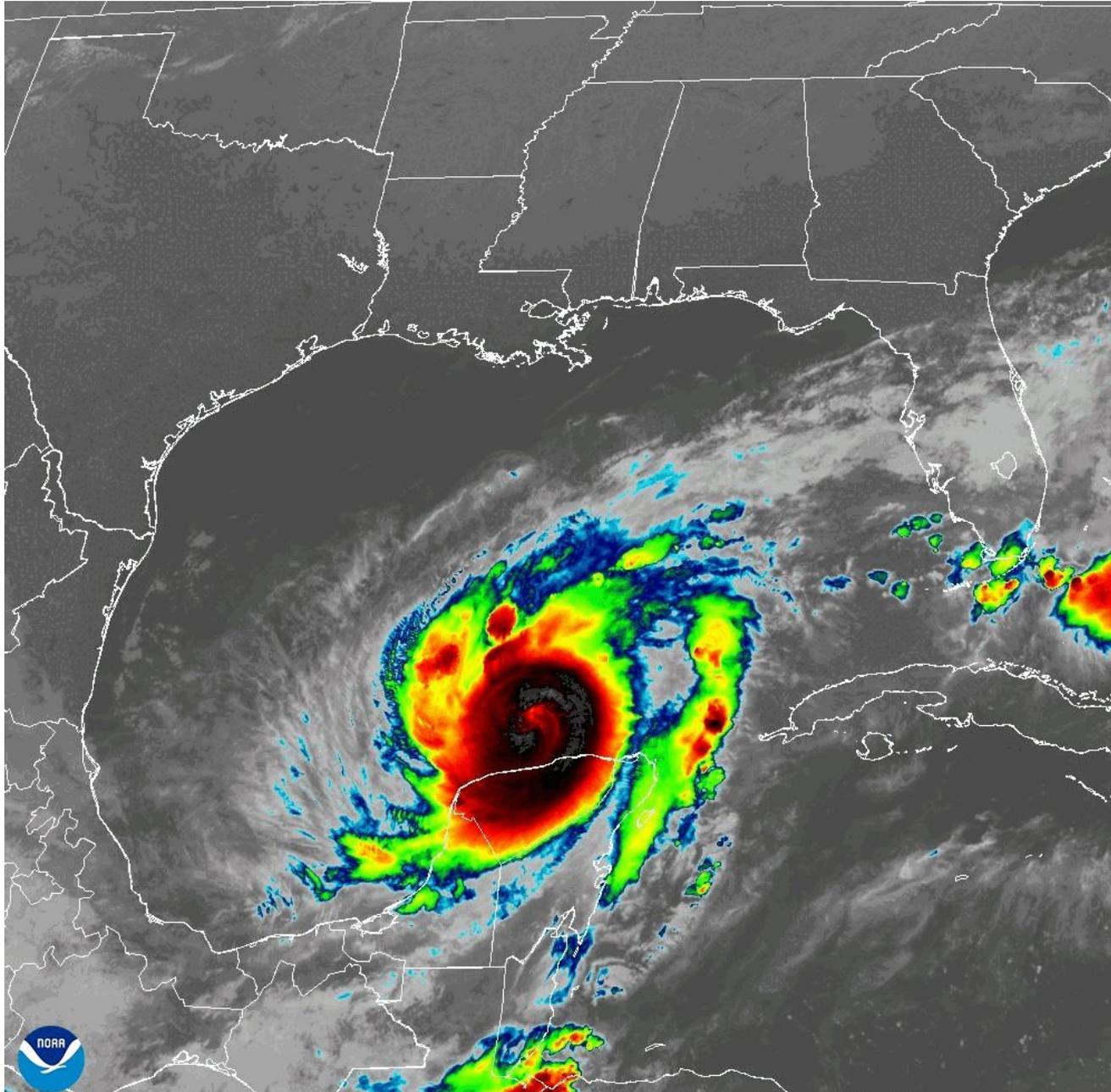
- Milton still a major, Category 4 Hurricane. Additional changes in intensity can be expected through time of landfall across west-central Florida
- The highest impacts of concern: Storm surge inundation, dangerous marine conditions
- The expanse of Milton's wind field is expected to greatly increase by later Wednesday and Thursday, reaching at least into our coastal areas and Atlantic waters





Current Satellite View

October 8, 2024
12:30 PM



08 Oct 2024 08:11Z - NOAA/NESDIS/STAR - GOES-East - Band 13 - GM

- Milton a dangerous, CAT 4 Hurricane
- Expected to begin to accelerate as it moves toward the northeast today (Tuesday) and Wednesday
- Forecasted to make landfall on the west-central FL coast late Wednesday



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

National Weather Service
Charleston, SC



Situation Overview

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- **Current conditions:** Dangerous CAT 4, with max sustained winds of 150 mph!
- **Movement:** Expected to accelerate to the northeast tonight and Wednesday, then off the east-central FL Coast Thursday
- Still expect “wobbles” in track through landfall in FL
- **Milton’s wind field** expected to expand into our area, especially Wednesday Night through Thursday

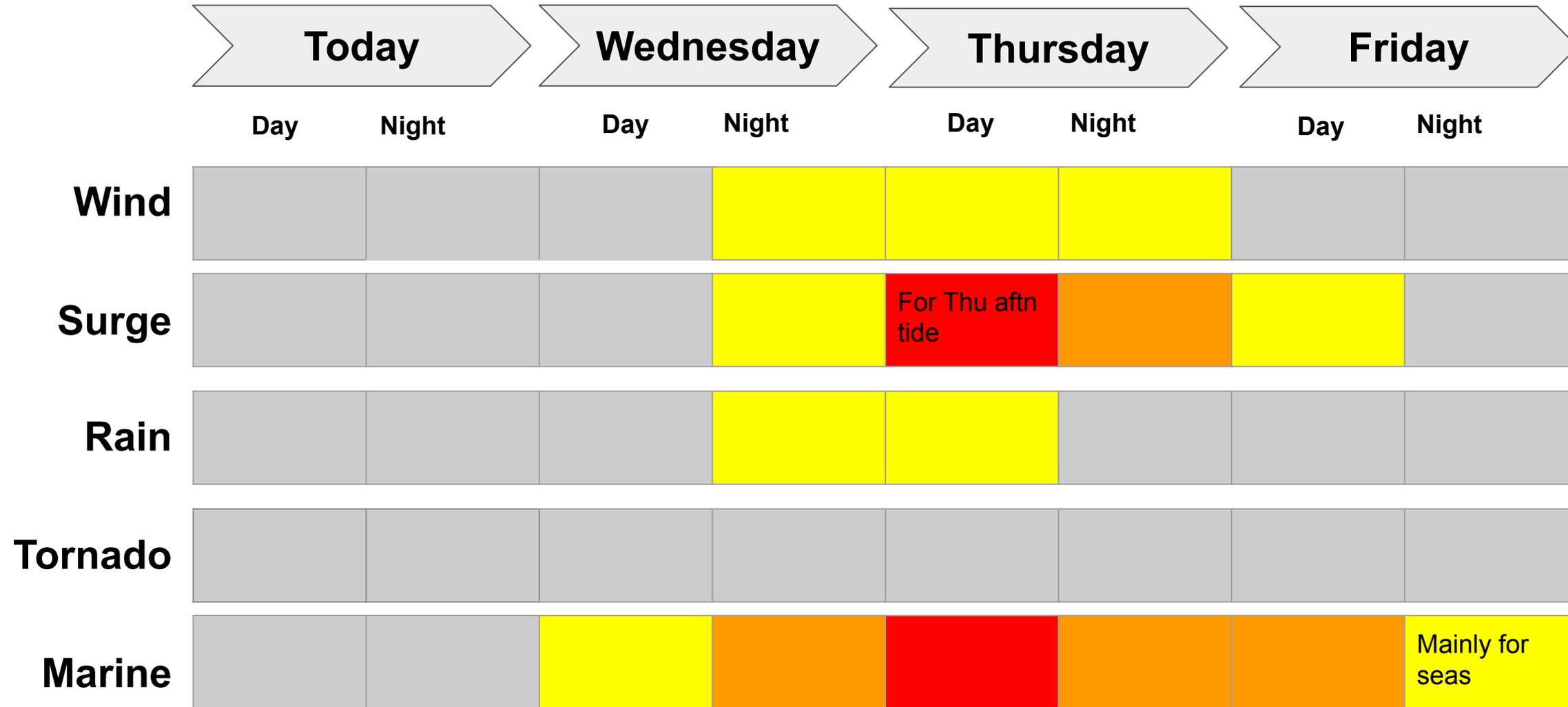




Threat Levels - Max Values for the Storm

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NOTE: Timing and Level of Impacts *May Change*



Effects and Impacts Legend

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



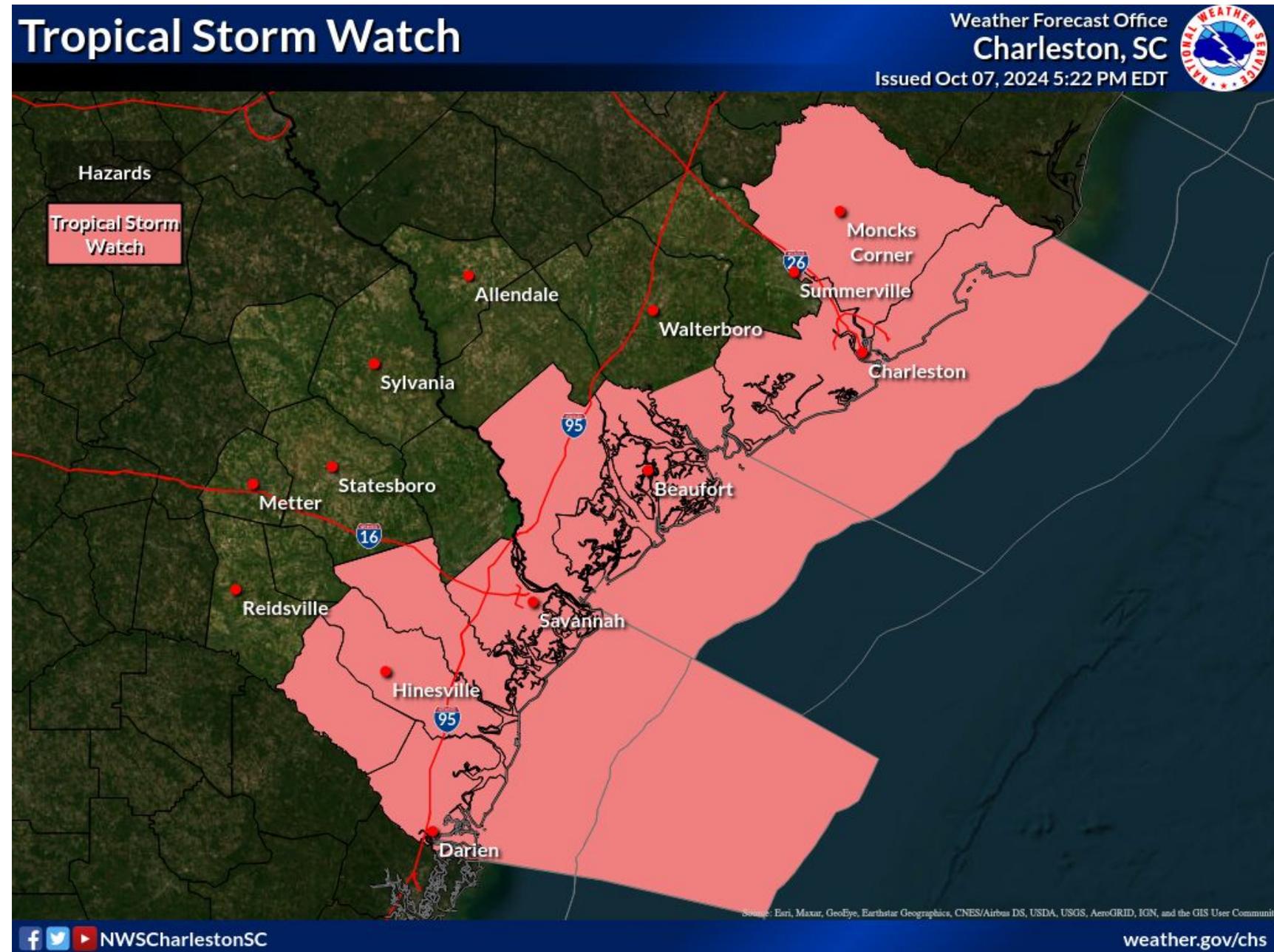
Situation Overview

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Hazard	Impacts	Location	Timing
 <p>Wind</p>	<p>TS wind/wind gusts resulting in downed and/or uprooted trees, isolated to scattered power outages, some roads impassable due to debris</p>	<p>Strongest winds closer to the coast, especially Savannah, GA to the Altamaha River</p>	<p>Mainly late Wednesday night through Thursday, possibly into Thursday evening</p>
 <p>Storm Surge and Inundation</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 see coastal flooding for Charleston County too</p>	<p>Mainly with the Thursday afternoon high tide, then possibly for the late Thursday night/early Friday morning high tide</p>
 <p>Flooding Rain</p>	<p>Isolated Flooding of roads/streets, especially in low lying, poorly drained areas along the coast. Watch for heavy rainfall during times of high tide Thursday through Friday morning</p>	<p>Heaviest rainfall mainly along the coast, from Savannah, GA, southward across our extreme southeast GA counties</p>	<p>Mainly Wednesday night through Thursday</p>
 <p>Tornado</p>	<p>No impacts from tornadoes are currently expected</p>	<p>N/A</p>	<p>N/A</p>
 <p>Marine</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 Wednesday night through Thursday night</p>



Tropical Storm Watch/Warning



- **Tropical Storm Watch:** Includes entire coast + Long County, Atlantic waters, Charleston Harbor
- Area: Mainly for the immediate coast





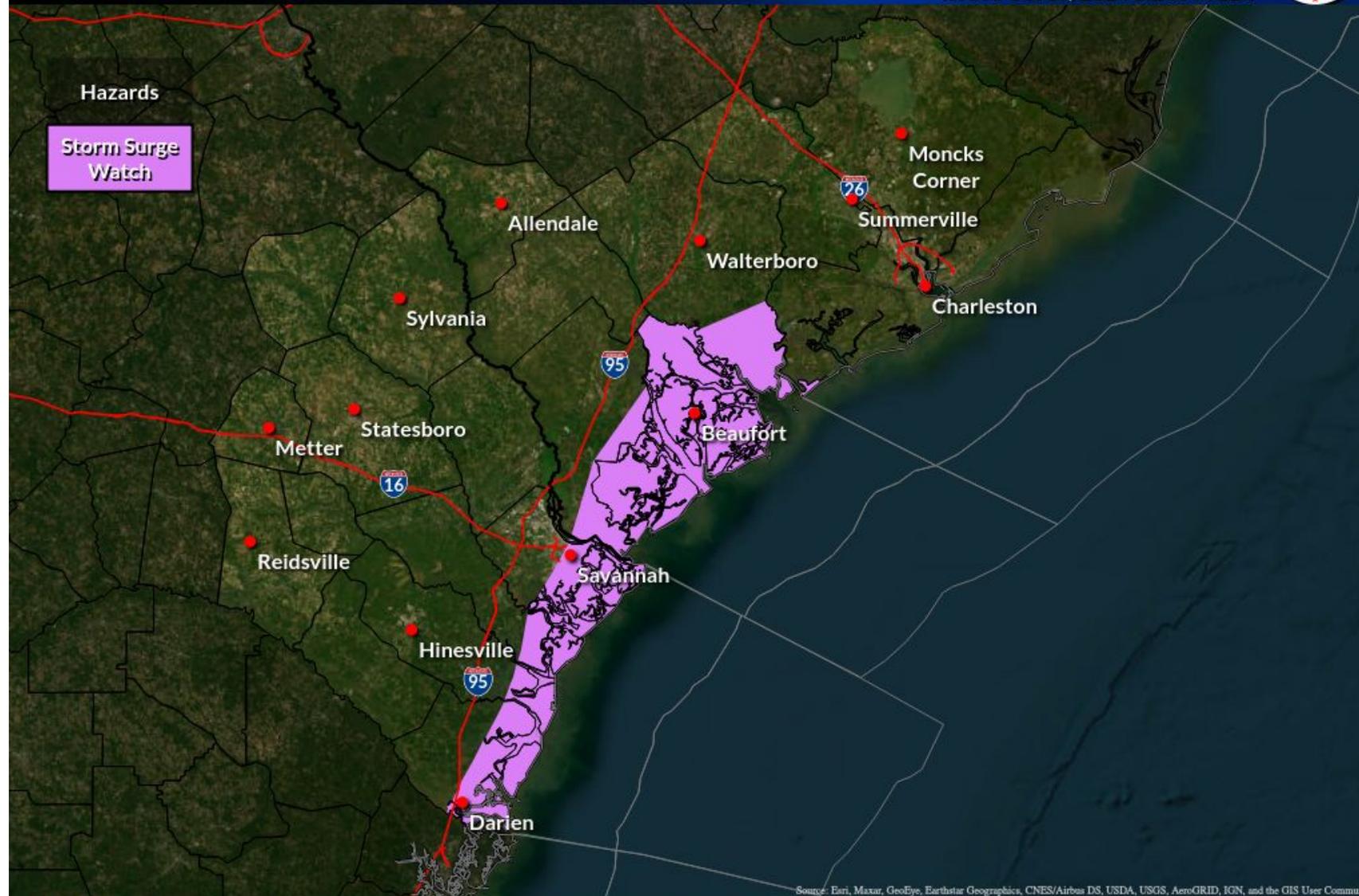
Storm Storm Watch

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12:30 PM

Storm Surge Watch

Weather Forecast Office
Charleston, SC

Issued Oct 07, 2024 5:24 PM EDT



- **Storm Surge Watch:** 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

NWSCharlestonSC

weather.gov/chs



National Oceanic and
Atmospheric Administration

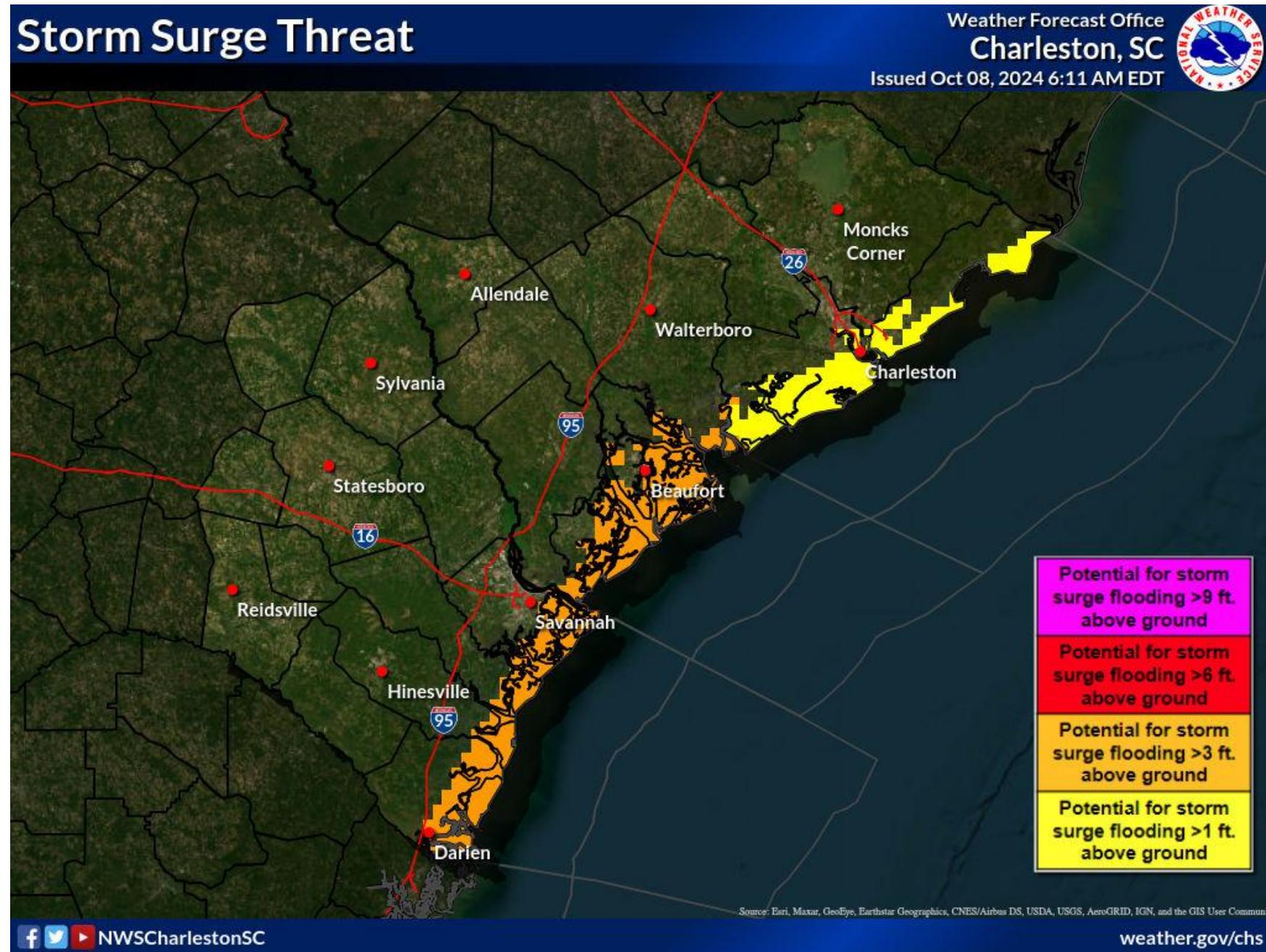
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Potential Storm Surge Impacts

October 8, 2024
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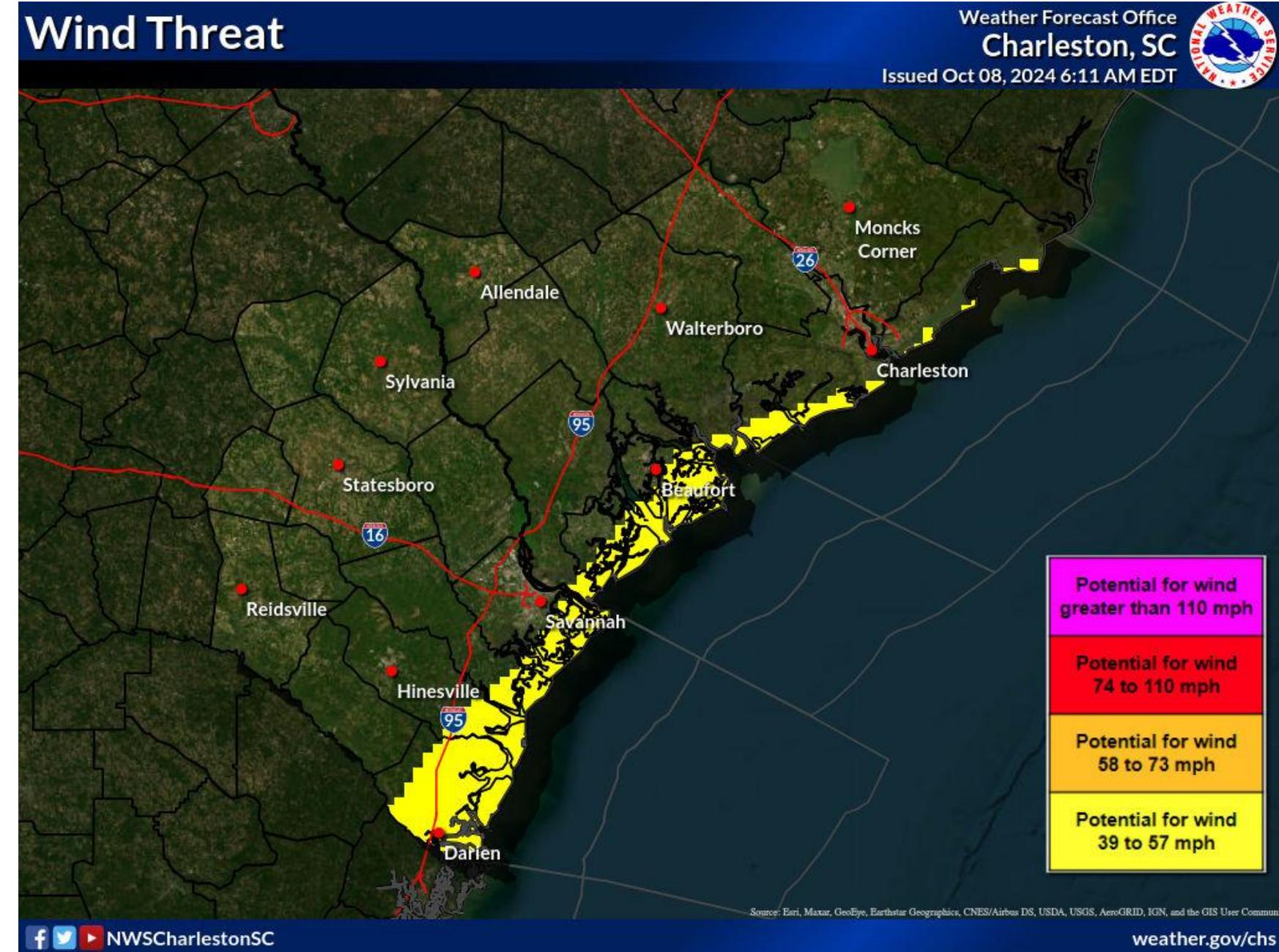
- **Storm Surge Watch Altamaha River, GA, north to Edisto Beach, SC**
 - Storm Surge Inundation of 2-4 feet above normally dry ground in/around tidal region
- **Note:** NO Storm Surge Watch in place for Charleston County, SC
- **Timing:** Highest Tide levels expected to be Thursday afternoon. *May* have another flooding tide for late Thursday night/early Friday morning high tide cycle





Wind Threat / Potential Impacts

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There is a potential for:

- Tropical Storm Force wind/wind gust, mainly for the immediate coast and Atlantic waters
- **Impacts** (mainly along the coast):
 - Isolated to scattered downed/uprooted trees, broken limbs
 - Isolated to scattered powers outages possible
 - Trees/limbs may break easier being weakened from Helene
- **Timing:** Late Wednesday night through Thursday



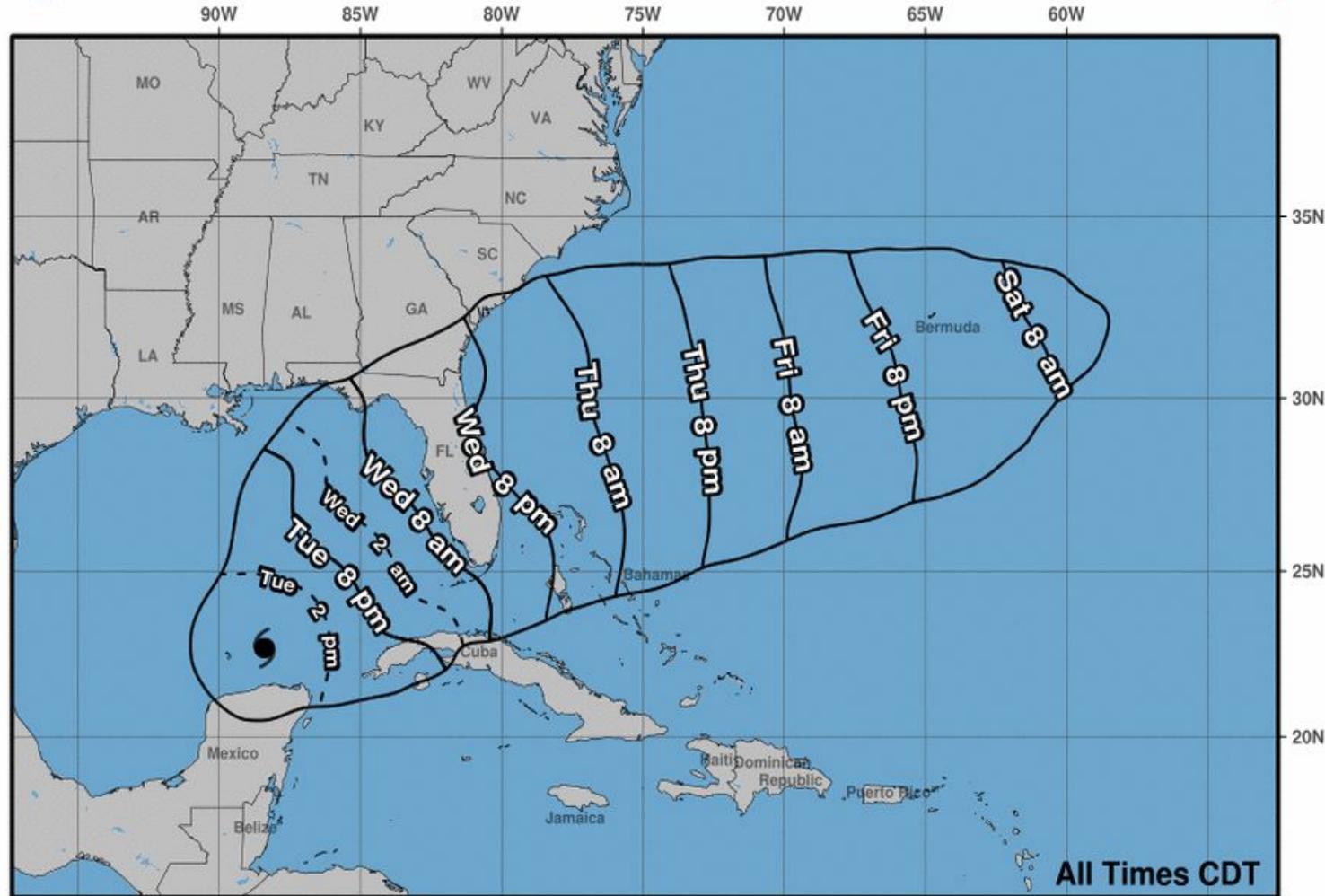


Earliest Reasonable Time of Arrival

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Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Hurricane Milton
Tue. Oct. 8, 2024 10 am CDT
Advisory 14

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)

All Times CDT

- Trend: Slower track from previous NHC Advisory(s)
- **Earliest Arrival of Tropical Storm Force winds:**
 - Southeast GA - Wednesday evening
 - Southeast SC - Wednesday night
- However, Most Likely time (not shown) for Tropical Storm Force Winds:
 - Southeast GA - Late Wednesday night/early Thursday morning
 - Southeast SC - Thursday morning/early afternoon

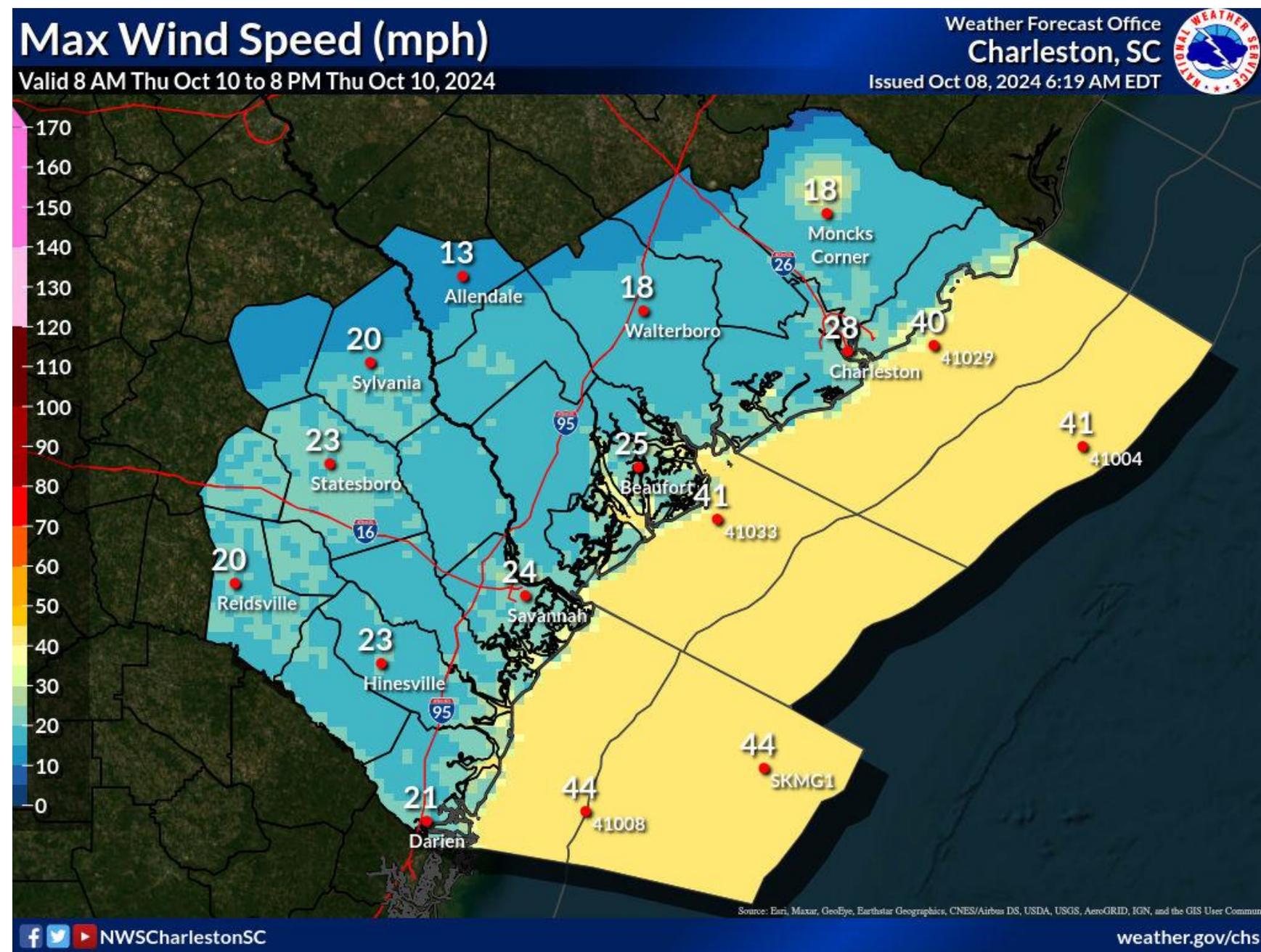




Wind Threat / Potential Impacts

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CAUTION: Exact Wind Speeds May Change with Later Forecasts



Expected Max Sustained Winds (mph):

- Generally 20-30 mph, highest near the coast
- **Impacts:** Isolated to scattered power outages, downed and uprooted trees, broken tree limbs
- **Note:** Some trees/limbs may break easier due to being weakened by winds from "Helene"

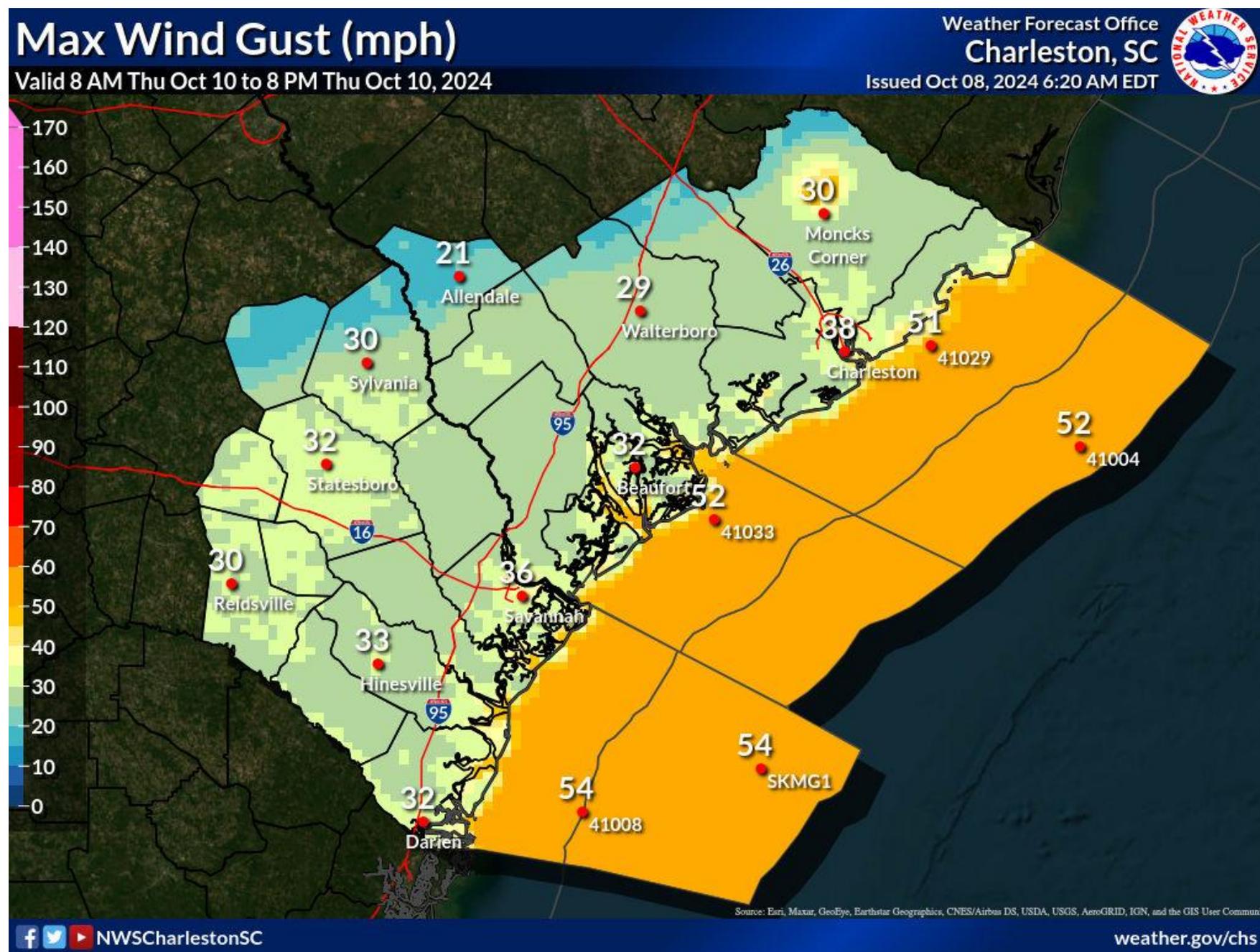




Wind Threat / Potential Impacts

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CAUTION: Exact Wind Speeds May Change with Later Forecasts



Expected Max Winds Gusts (mph):

- Generally 30-45 mph, highest near the coast
 - Winds could be higher on elevated overpasses and bridges

- **Impacts:**
 - Isolated to scattered power outages
 - Downed and uprooted trees, broken tree limbs
 - Caution driving over high bridges

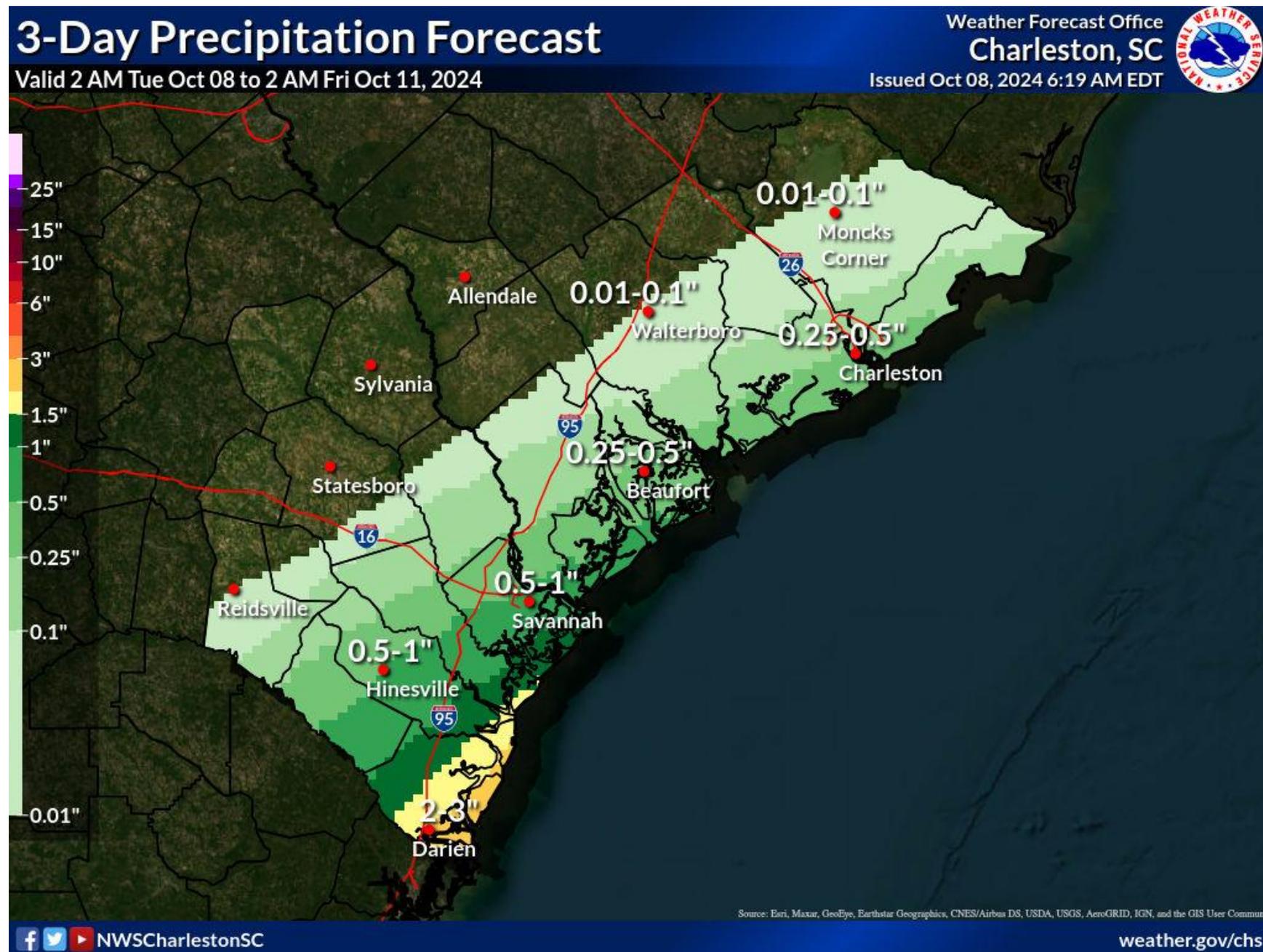
- **Note:** Some trees/limbs may break easier due to being weakened from “Helene”





Expected Storm Total Rainfall

October 8, 2024
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Wednesday night through Thursday

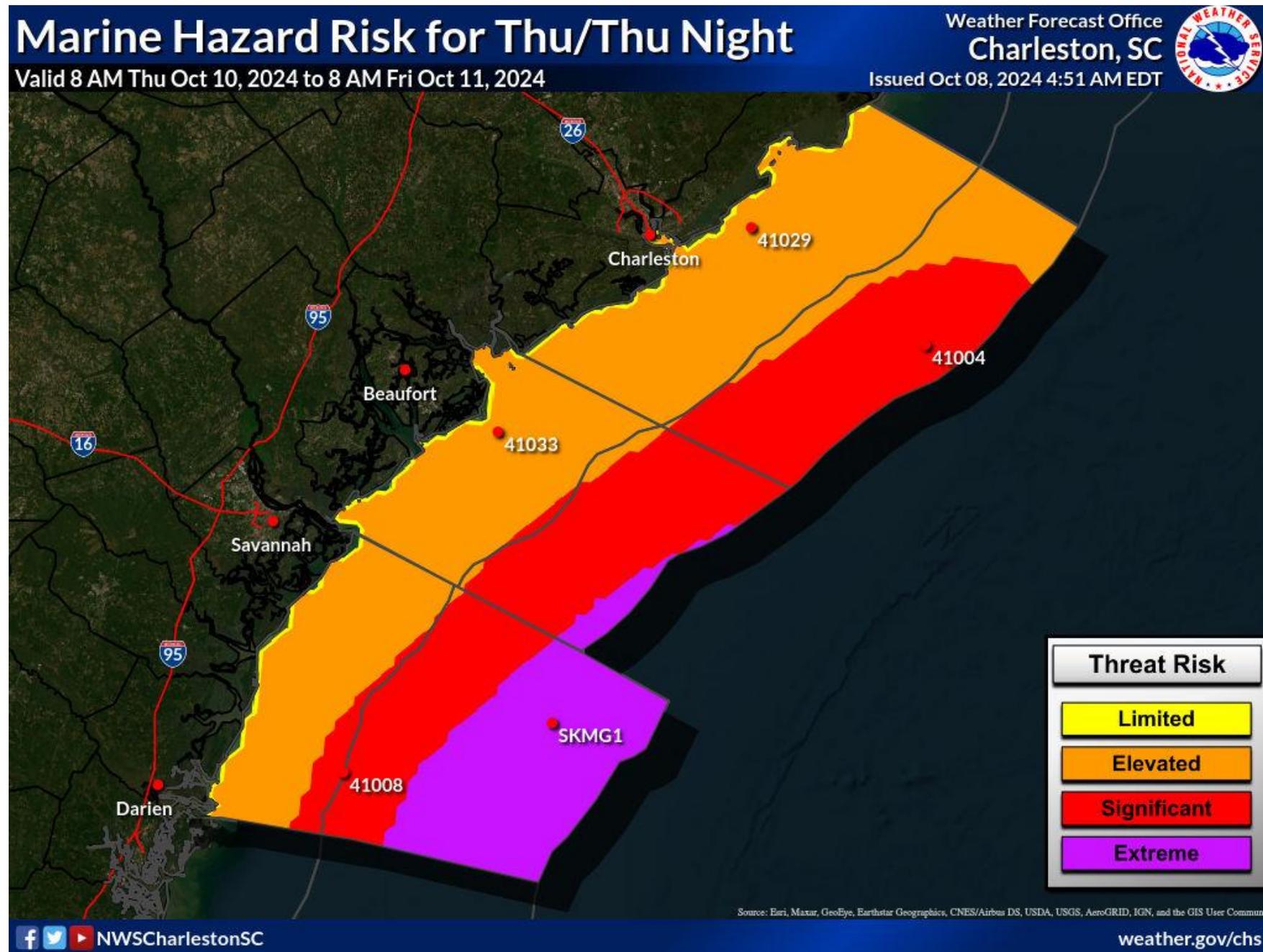
- Highest rainfall totals over southeast GA counties, from the Savannah area, southward to the Altamaha
- Locally higher amounts possible, mainly near the coastline
- There is a low risk of fresh water flooding along the coast, especially if rainfall occurs during the times of high tide





Potential Marine Impacts

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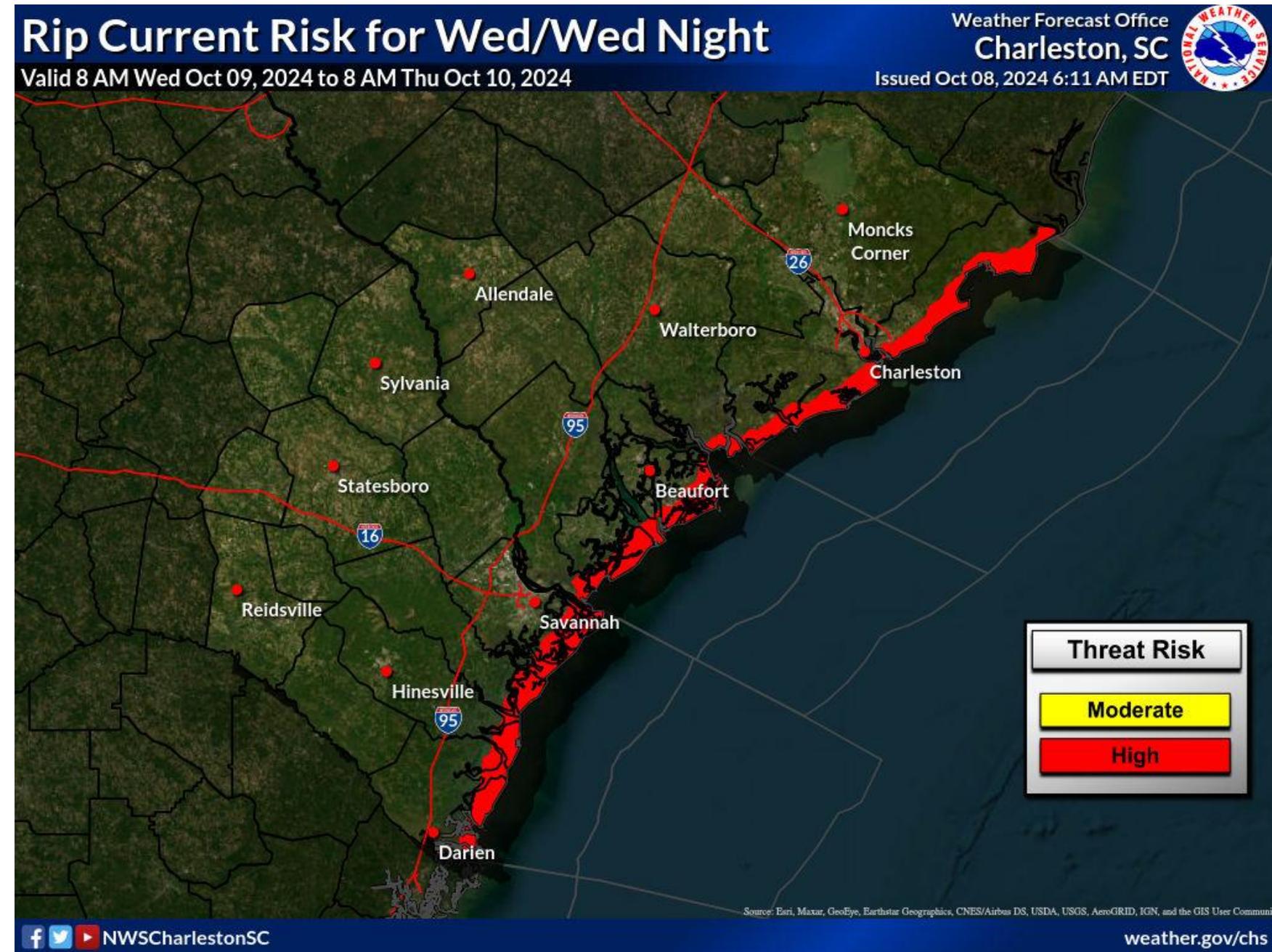
- **Tropical Storm Force Wind/Wind Gusts:**
 - Sustained Winds: 30-40 knots, Gusts 40-50 knots (highest beyond 20 nm)
 - Strongest winds/wind gusts most likely within heavy rainband
- **Dangerous Seas/Waves:**
 - Seas building to 8-14 feet out 20 nm and 14-18 feet from 20-40 nm Thursday and Thursday night
- Decreasing Winds/Seas Later Thursday night





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 Wednesday night through Friday morning
 - Breakers could be as high as 5 to 8 ft at the beaches

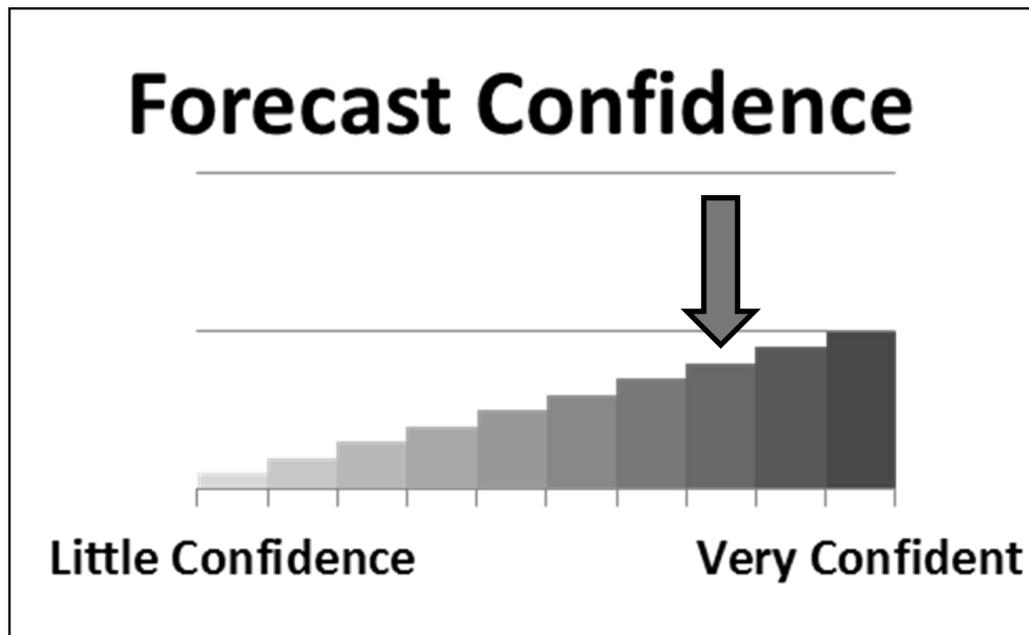




Key Take-Aways

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- Milton still a dangerous Category 4 Hurricane. Fluctuations in intensity can be expected through landfall
- The highest impact concerns continue to be potential for storm surge inundation, and dangerous marine conditions
- The expanse of Milton's wind field is expected to greatly increase by Wednesday and Thursday, reaching at least our coastal areas and Atlantic marine region



Overall Storm Track Confidence: High

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





Next Briefing:

Tuesday, October 8

6:00 PM EDT

Method: email/slides