



Disclaimer: The information contained within is time-sensitive.

Hurricane Milton Briefing

6:00 AM

Wednesday, October 9, 2024

**** Tropical Storm Watch Upgraded to Warning for Georgia Coast and South Carolina Coastal Waters ****





Situation Overview

October 9, 2024
5:30 AM

- Milton remains a category 5 hurricane early this morning with weakening and expansion of the wind field expected over the next several days.
- Local impacts of concern:
 - Storm surge/coastal flooding
 - Gusty winds (mainly along the coast)
 - Dangerous marine conditions





Situation Overview

October 9, 2024
5:30 AM



- **Current conditions:** Dangerous CAT 5, with max sustained winds of 160 mph!
- **Movement:** Expected to continue to accelerate to the northeast today, make landfall on the west coast of Florida late tonight, then proceed off the east-central FL Coast Thursday.
- **Milton's wind field** will rapidly expand as it approaches Florida.

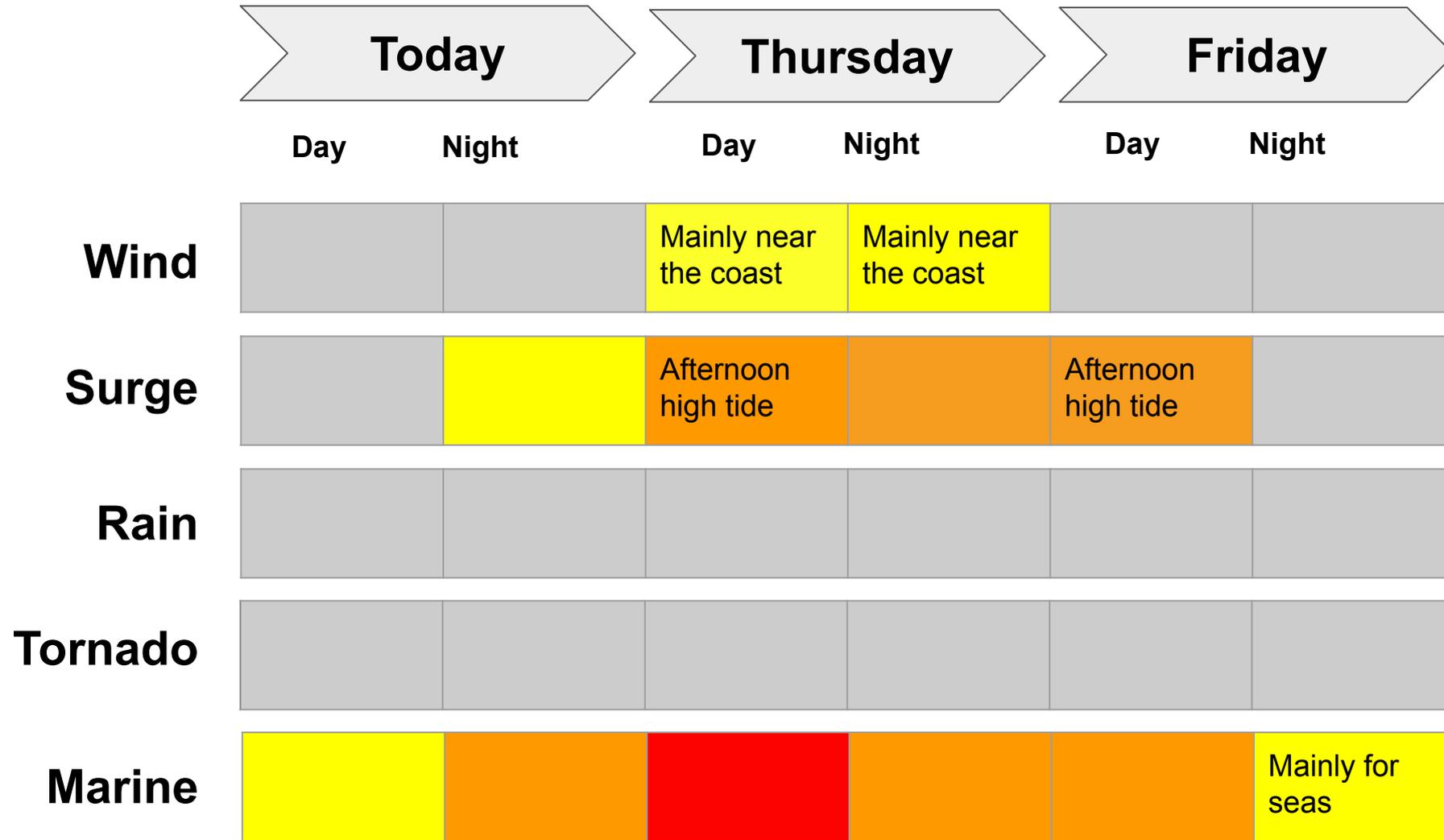




Threat Levels - Max Values for the Storm

October 9, 2024
5:30 AM

****UPDATES****: Removed Rainfall Flooding Threat



Effects and Impacts Legend

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





Situation Overview

October 9, 2024
5:30 AM

Hazard	Impacts	Location	Timing
 <p>Wind</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>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 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>Flooding Rain</p>	<p>No significant, widespread freshwater flooding impacts are expected</p>	<p>N/A</p>	<p>N/A</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 tonight through Thursday night</p>



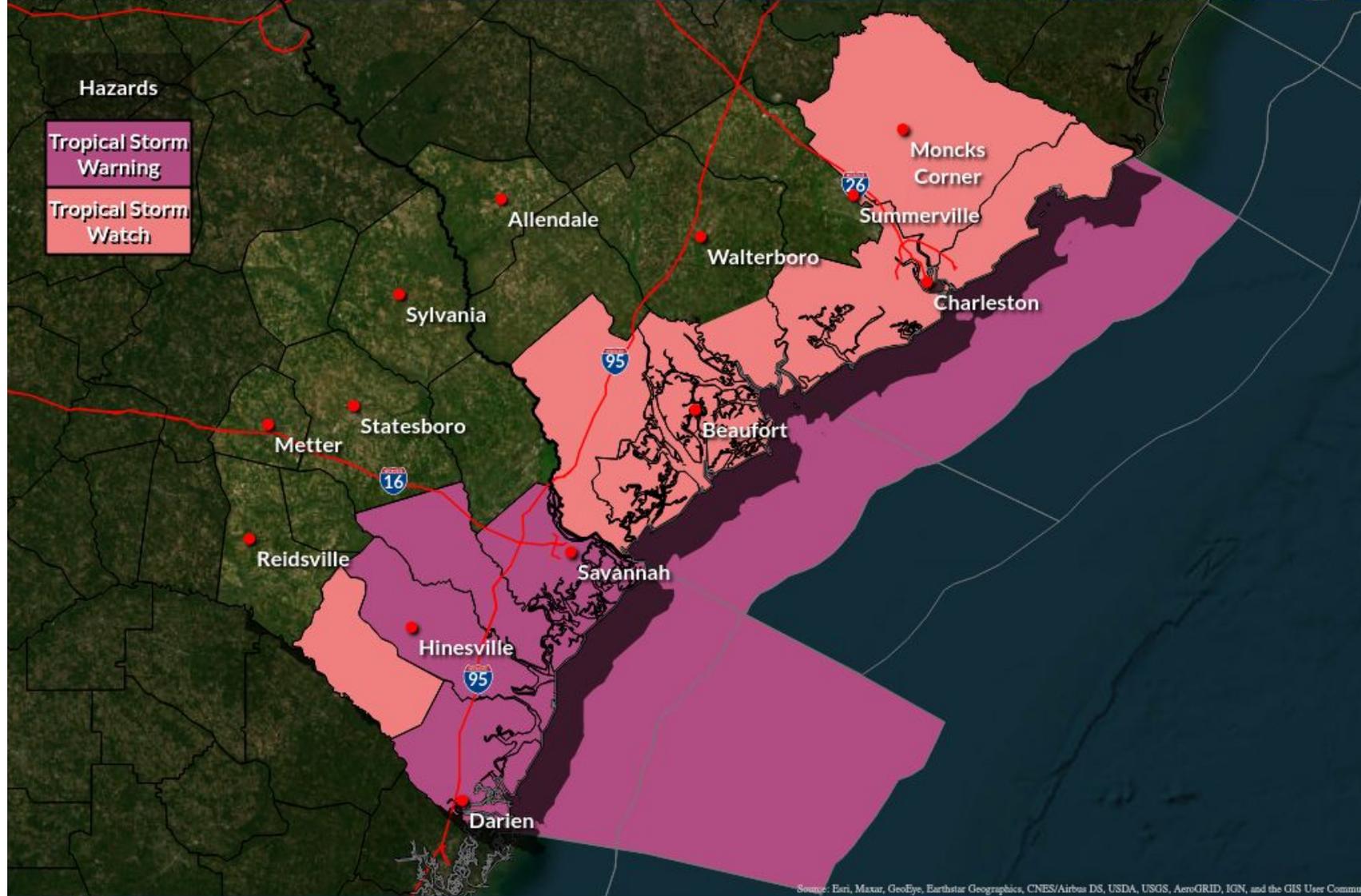
Tropical Storm Watch/Warning

Tropical Storm Watches/Warnings

through Thursday Night

Weather Forecast Office
Charleston, SC

Issued Oct 09, 2024 5:49 AM EDT



NWSCharlestonSC

weather.gov/chs

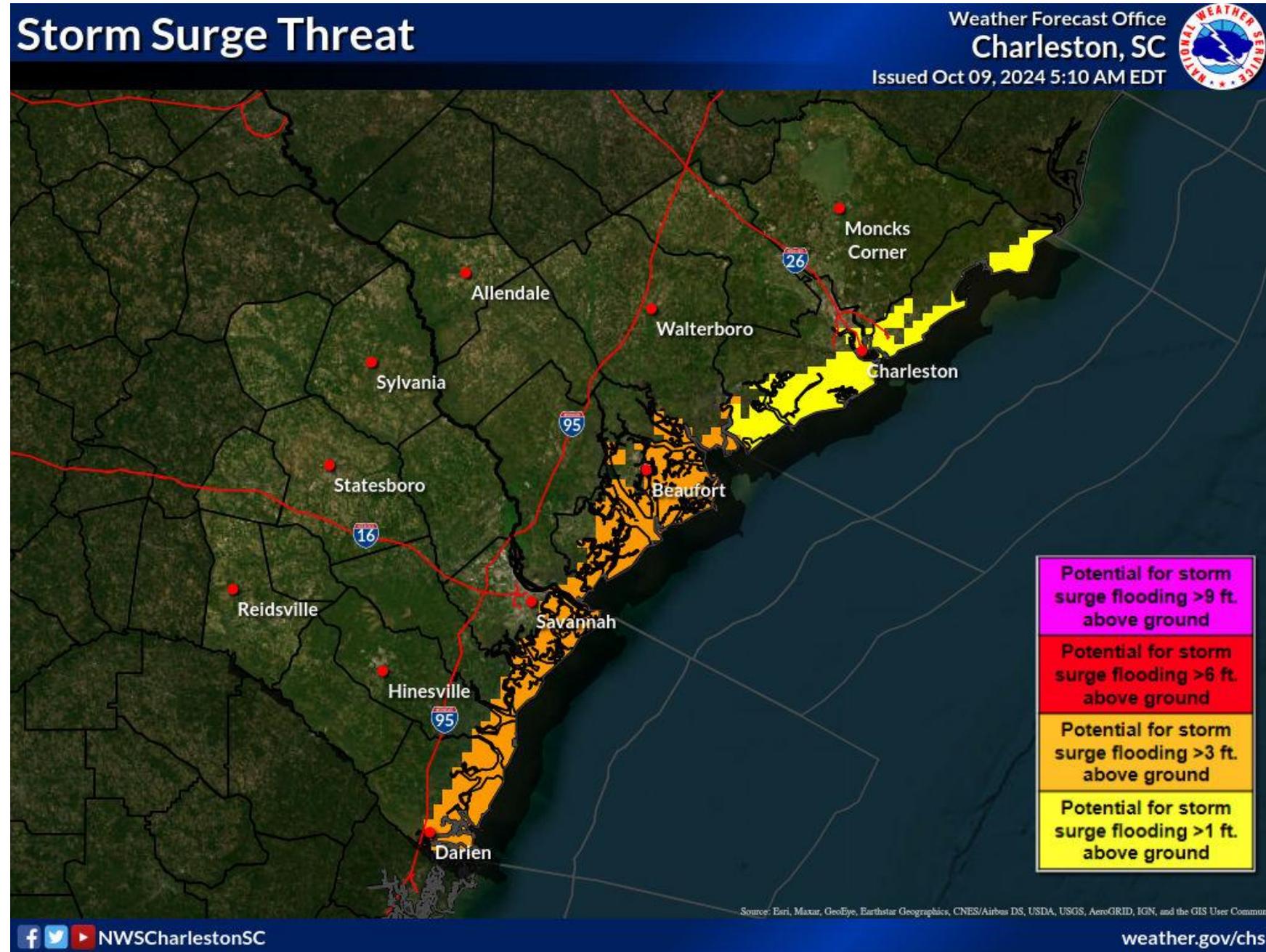
- **Tropical Storm Warning:** Georgia coast and all coastal waters.
- **Tropical Storm Watch:** Includes SC coast + Long County, Charleston Harbor
 - Best chances for Tropical Storm Force winds/wind gusts will be near the coast





Potential Storm Surge Impacts

October 9, 2024
5:30 AM

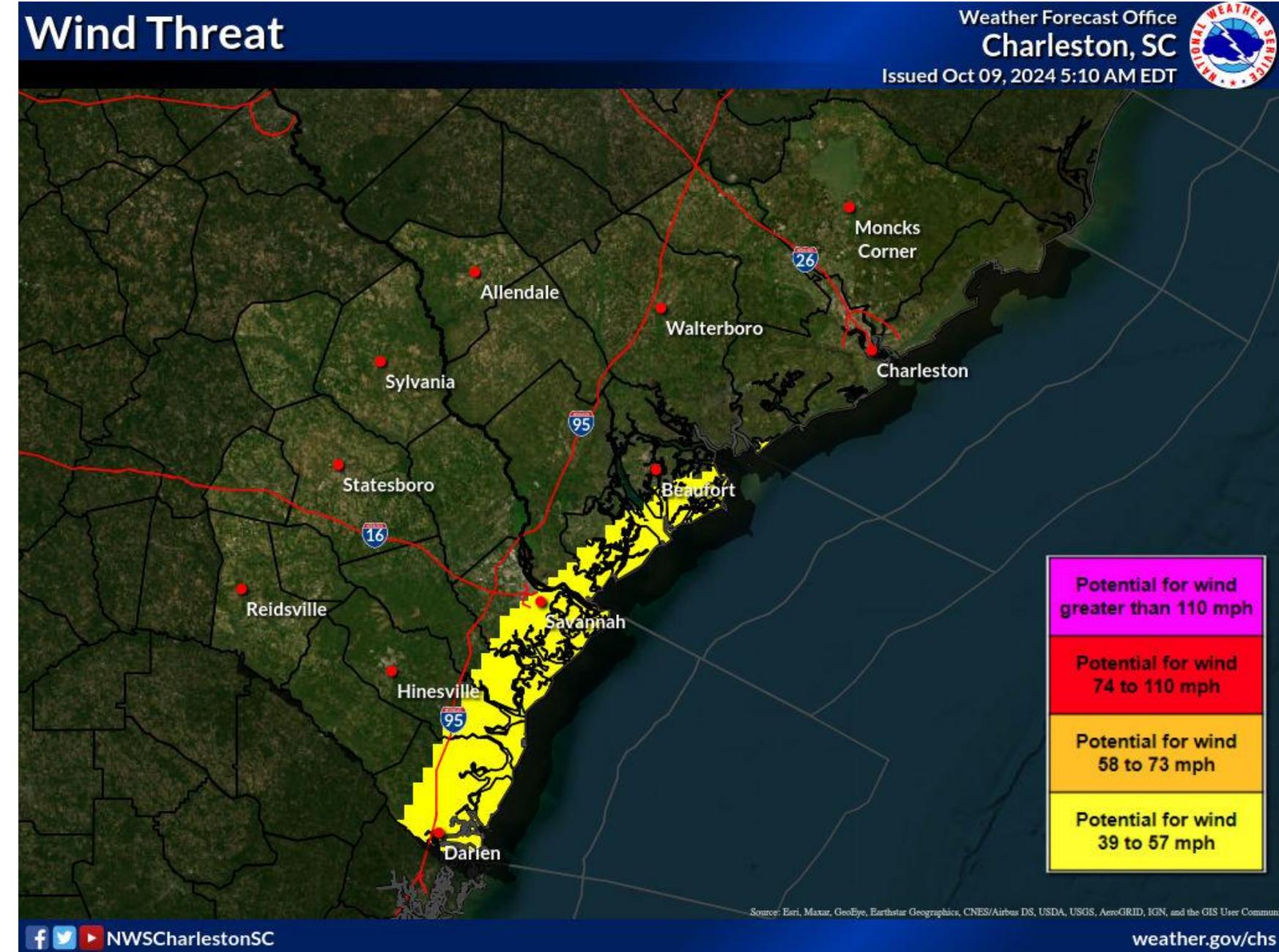


- **Storm Surge Watch Altamaha River, GA, north to Edisto Beach, SC**
 - Storm Surge Inundation of 2-4 feet above normally dry ground in/around tidal region
- **Note:** NO Storm Surge Watch in place for Charleston County, SC
- **Timing:** Highest Tide levels expected to be Thursday afternoon. *May* have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



Wind Threat / Potential Impacts

October 9, 2024
5:30 AM



- **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.
- **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

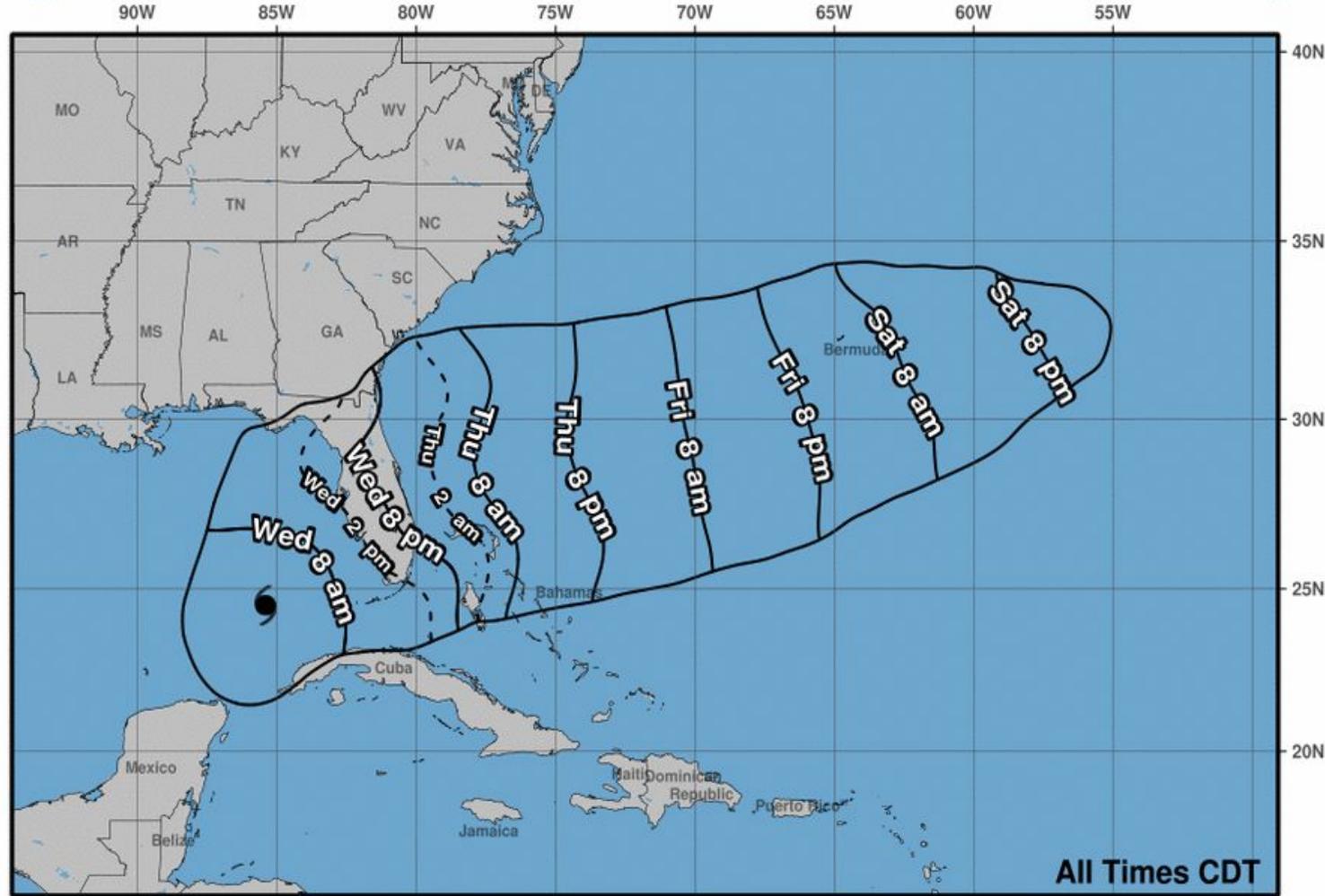




Earliest Reasonable Time of Arrival

October 9, 2024
5:30 AM

Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Hurricane Milton
Wed. Oct. 9, 2024 4 am CDT
Advisory 17

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)

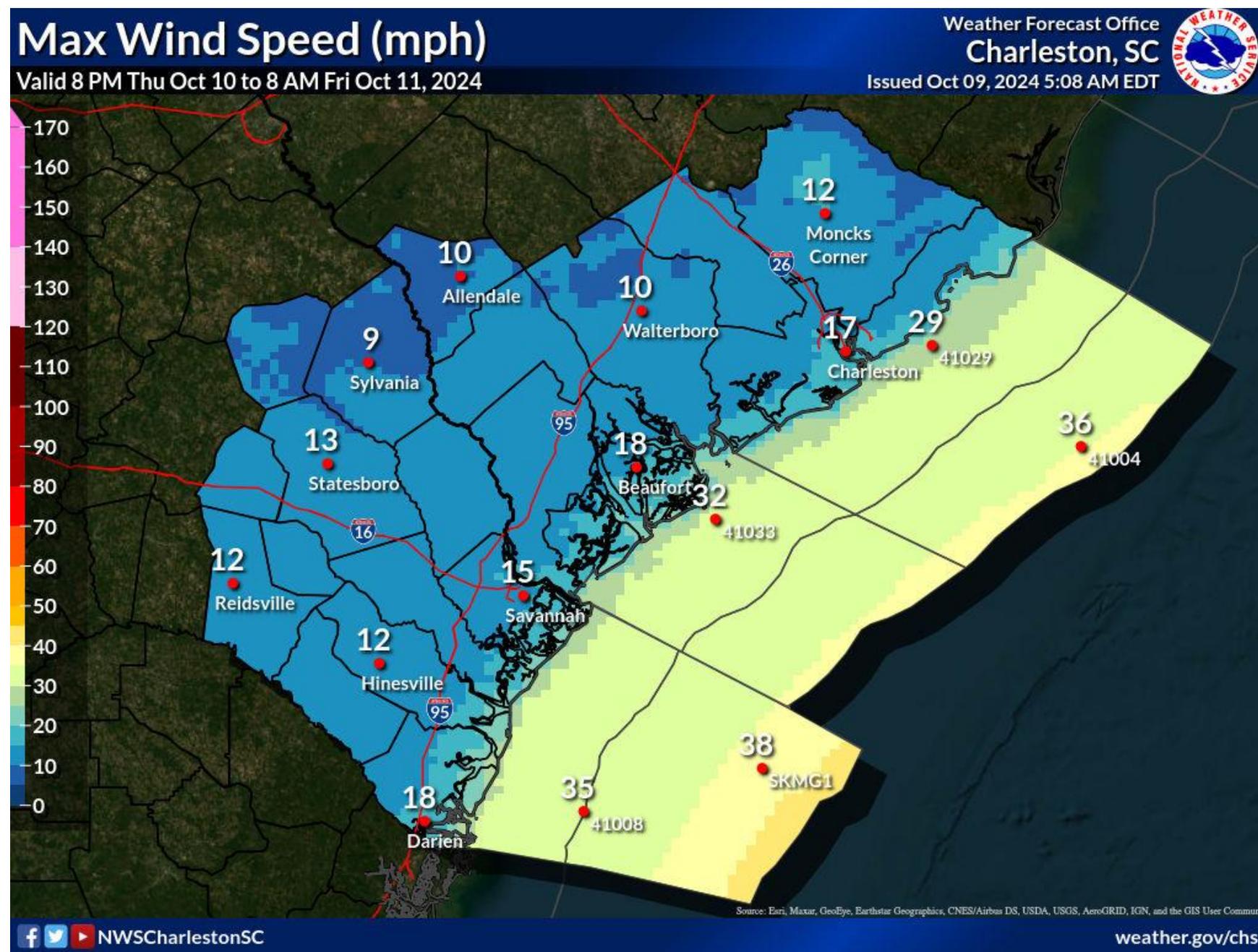
- **Earliest Arrival of Tropical Storm Force winds:**
 - Southeast GA - Wednesday night
 - Southeast SC - Late Wednesday night
- However, Most Likely time (not shown) for Tropical Storm Force Winds:
 - Southeast GA - Early Thursday morning
 - Southeast SC - Thursday afternoon



Wind Threat / Potential Impacts

October 9, 2024
5:30 AM

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



Expected Max Sustained Winds (mph):

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

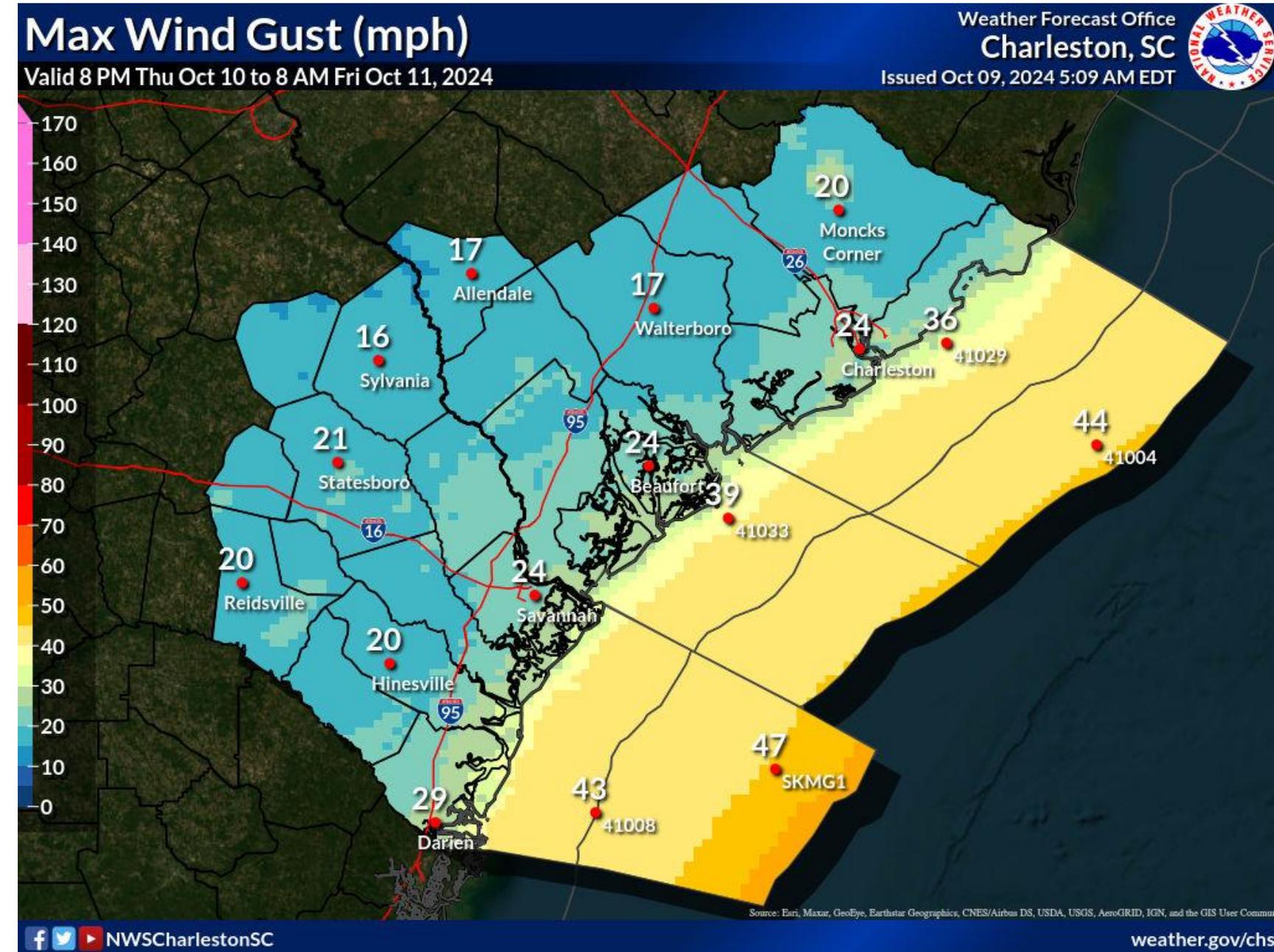




Wind Threat / Potential Impacts

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



Expected Max Winds Gusts (mph):

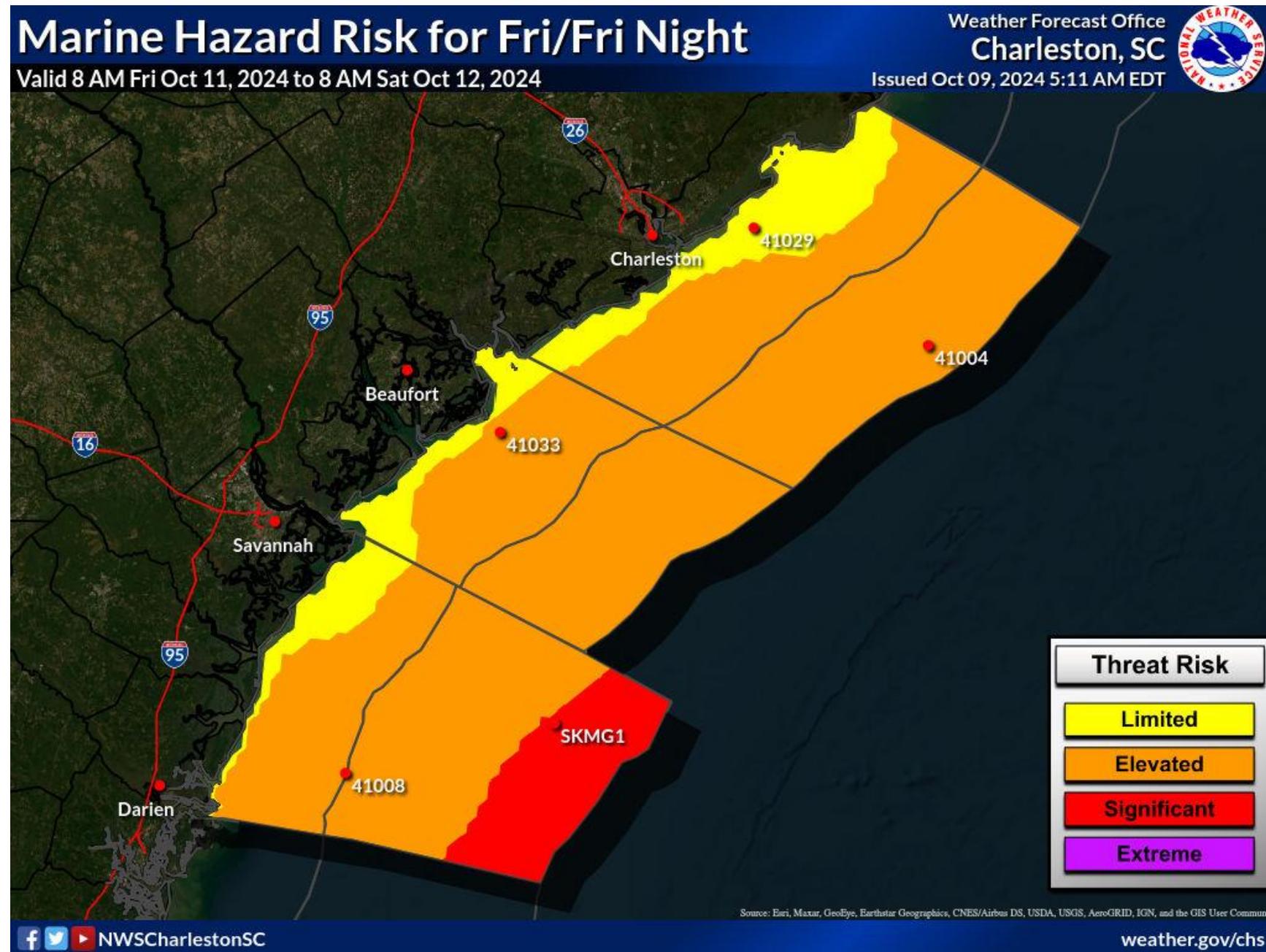
- Generally 30-40 mph, highest GA coast Savannah southward
 - Winds could be higher on elevated overpasses and bridges
- **Impacts:**
 - Isolated to scattered power outages
 - Trees downed and/or uprooted, broken tree limbs
 - Caution driving over high bridges
- **CAUTION:** Some trees/limbs may break easier due to being weakened by winds from “Helene”





Potential Marine Impacts

October 9, 2024
5:30 AM



- **Tropical Storm Force Wind/Wind Gusts:**
 - Sustained Winds: 25-35 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



Potential Beach Impacts

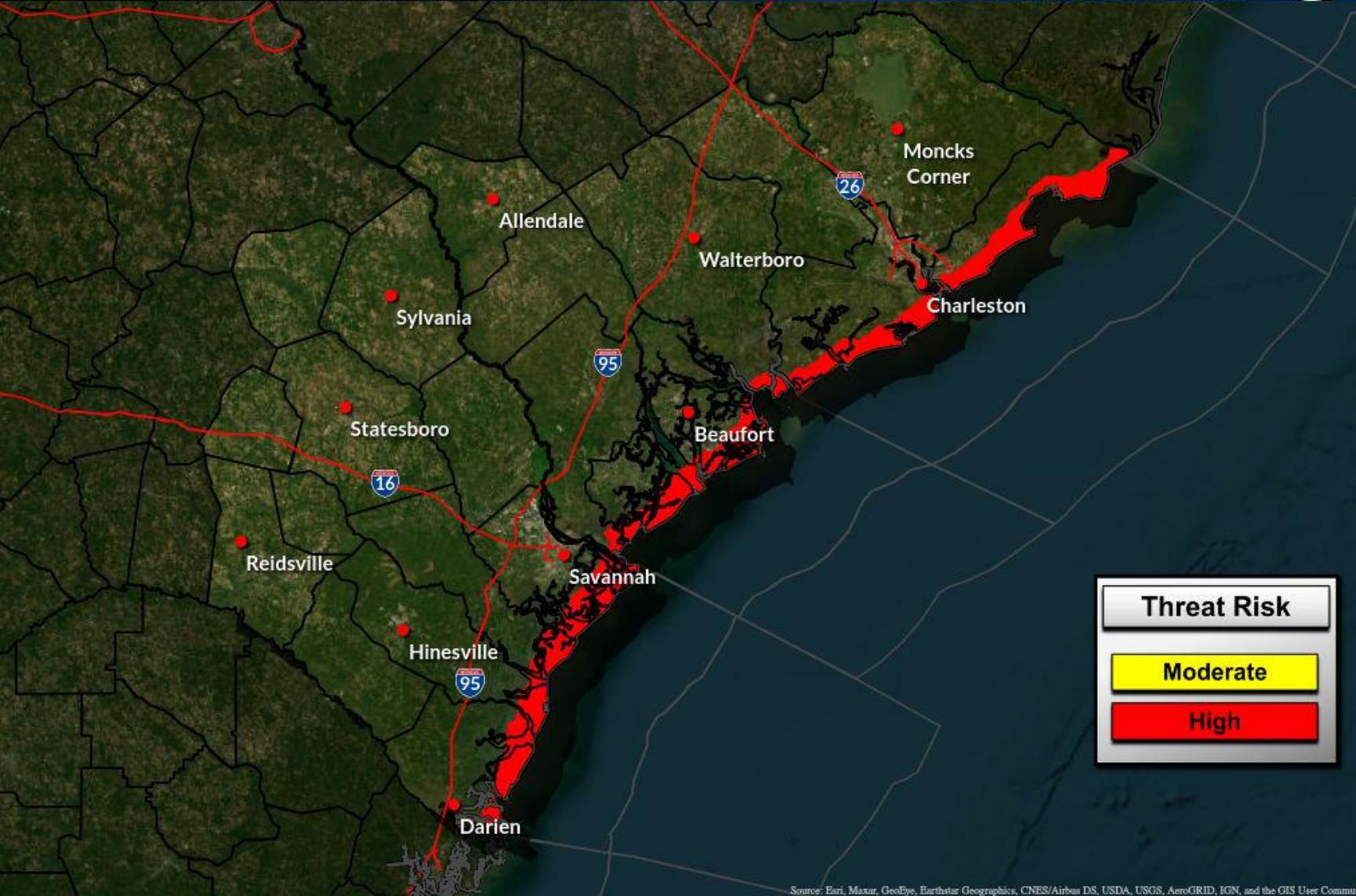
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5:30 AM

Rip Current Risk for Thu/Thu Night

Valid 8 AM Thu Oct 10, 2024 to 8 AM Fri Oct 11, 2024

Weather Forecast Office
Charleston, SC

Issued Oct 09, 2024 4:11 AM EDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWSCharlestonSC

weather.gov/chs

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 could be as high as 5 to 8 ft at the beaches



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

National Weather Service
Charleston, SC

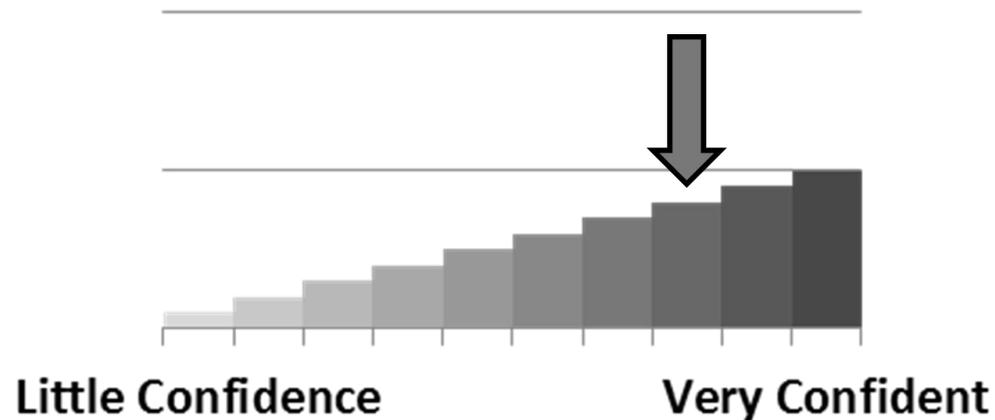


Key Take-Aways

October 9, 2024
5:30 AM

- Milton remains a dangerous, Category 5 Hurricane. Weakening, but expanding wind field expected as it impacts Florida through tonight.
- Mainly 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

12:30 PM EDT

Method: webinar

