



Disclaimer: The information contained within is time-sensitive.

Briefing

6 AM

Tuesday, September 24, 2024

PTC 9 Forming in the Northwest Caribbean





Situation Overview

September 24, 2024
5:06 AM

- PTC 9 is expected to strengthen into a tropical storm today over the NW Caribbean
- Expect confidence in track and local level of impacts to increase later today/Wednesday
- This storm is expected to be large and have impacts reaching well outside of the Track Cone of uncertainty, especially over the eastern side of the system, which covers our region!
- Potential Impacts include: tropical storm force winds, elevated tides/storm surge, isolated tornadoes, periods of heavy rainfall, and high surf

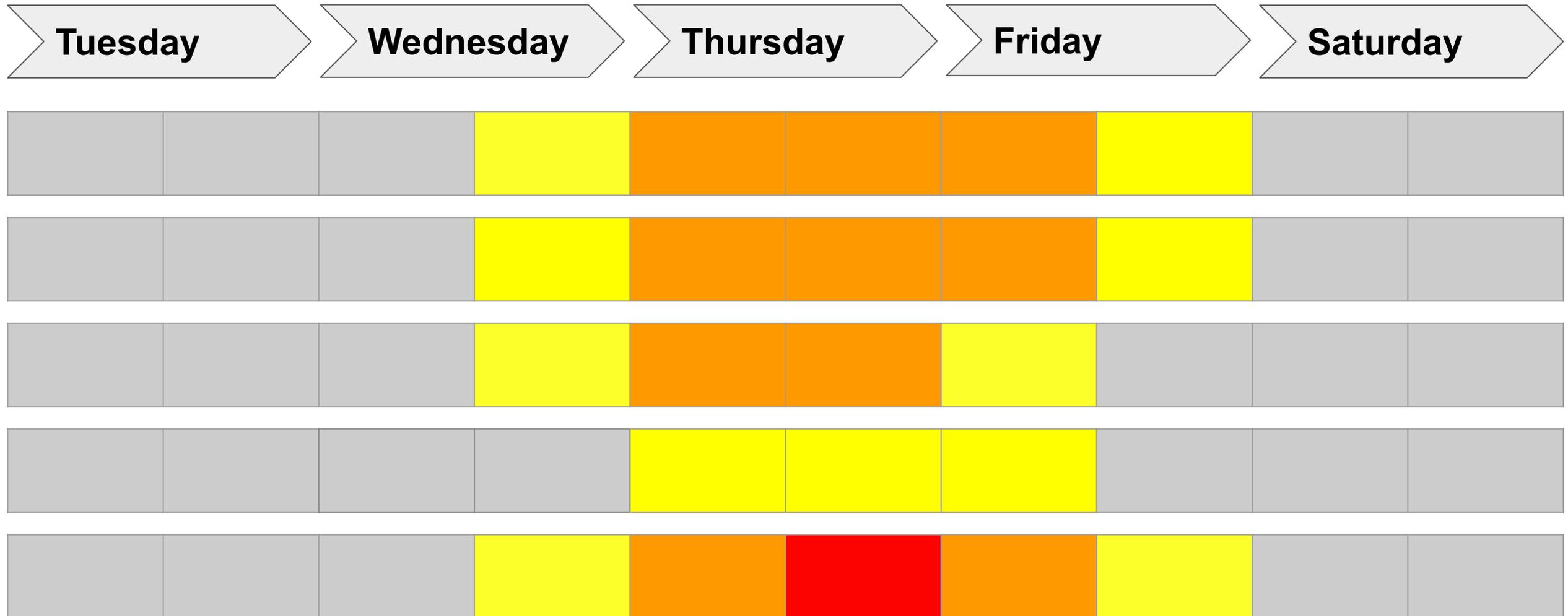




Threat Levels - *Max Values for the Storm*

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NOTE: Timing of Impacts Likely to Change



Effects and Impacts Legend

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



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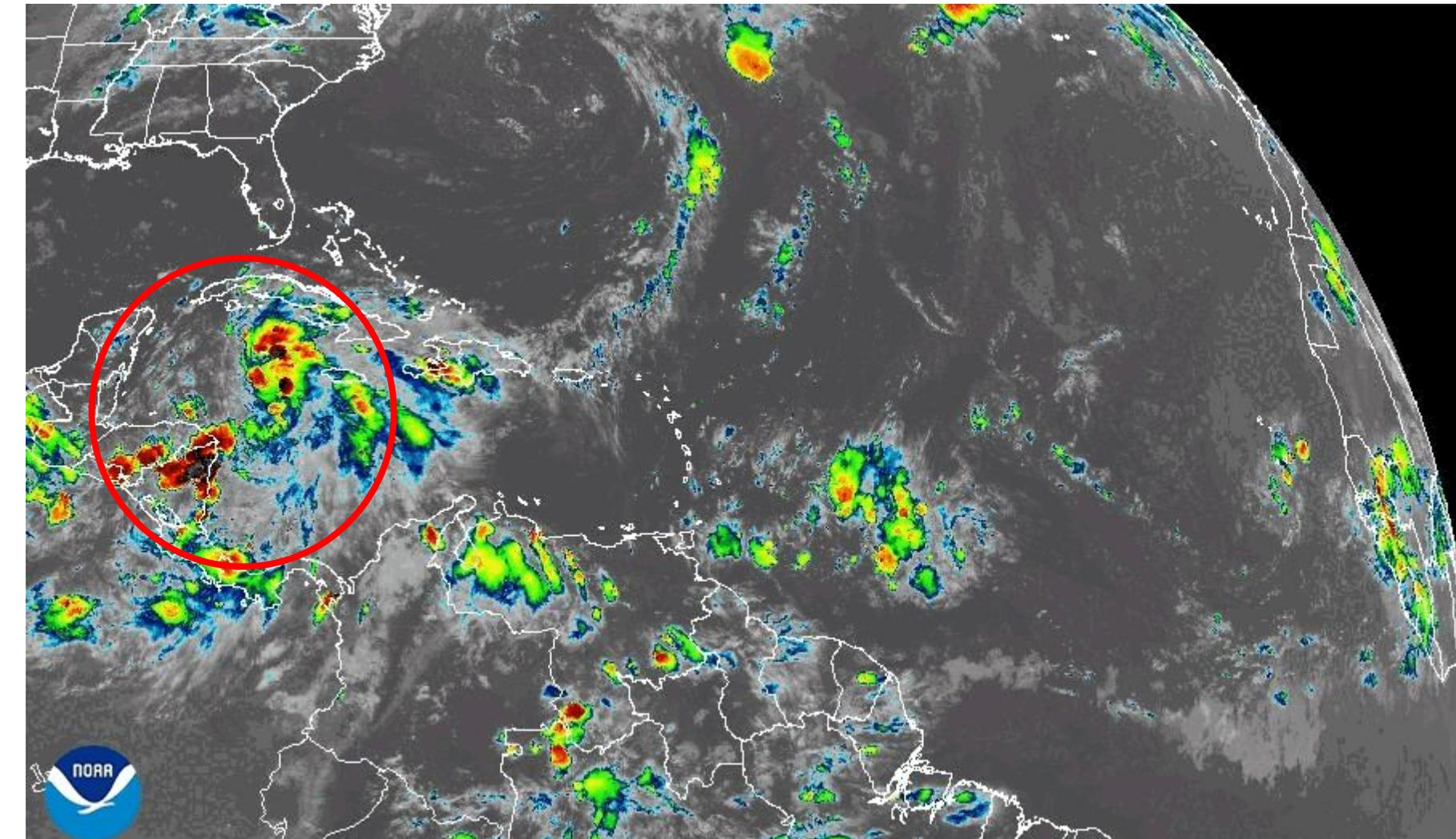
- As of 5 AM, the disturbance is becoming better organized
- Impacts expected well outside of forecast track uncertainty cone!
- PTC 9 is forecast to strengthen to a tropical storm today with additional strengthening to occur Wednesday into Thursday
- Motion: The system is expected to begin accelerating northward across the eastern Gulf of Mexico Wednesday and Thursday





Current Satellite View

September 24, 2024
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24 Sep 2024 00:00Z - NOAA/NESDIS/STAR - GOES-East - Band 13

- Disorganized area of showers/thunderstorms over the west/northwest Caribbean associated with PTC 9
- The disturbance continues to become better organized and is expected to become a tropical storm today





Tropical Storm Wind Speed Probabilities

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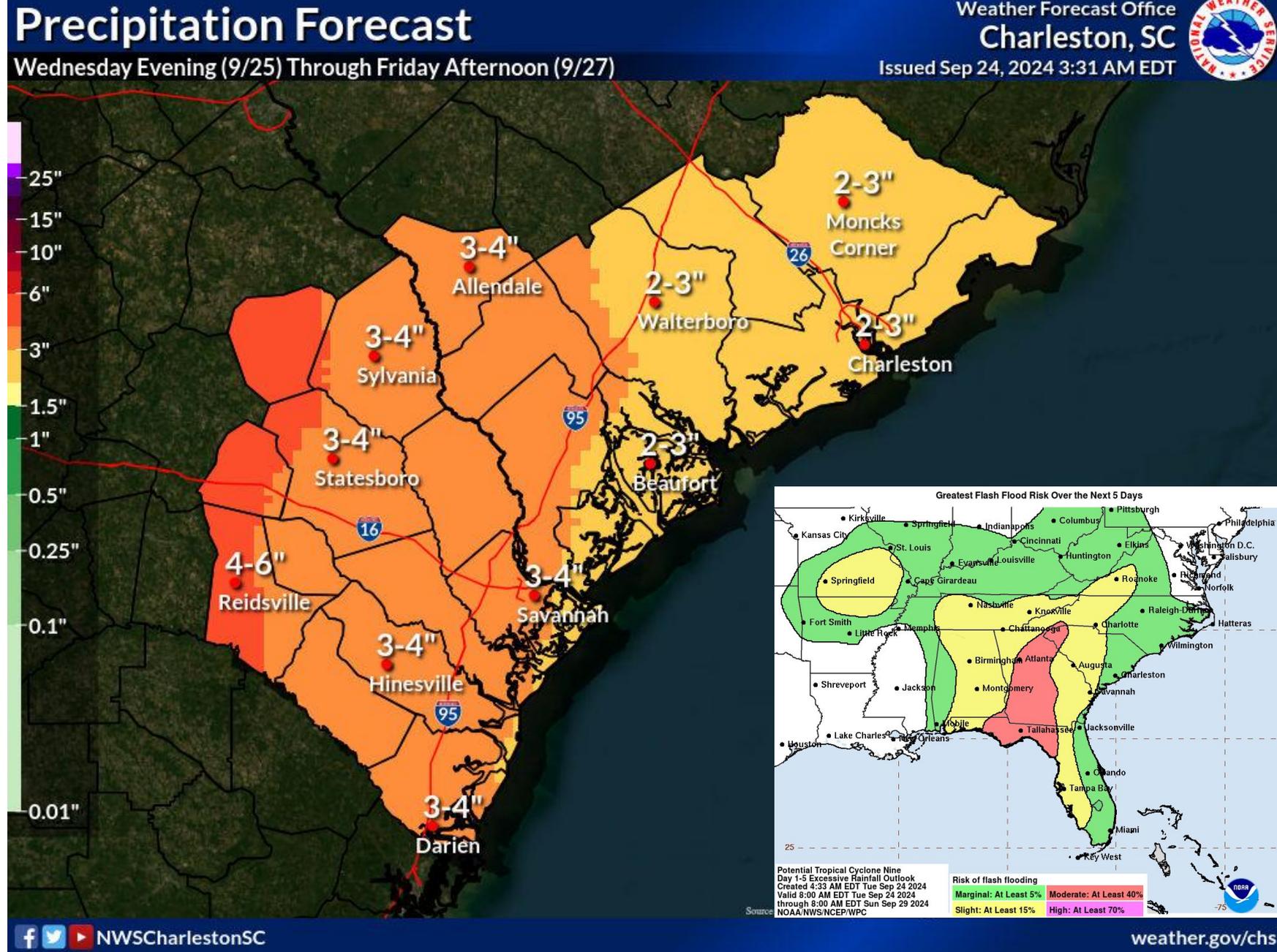
- Over the next few days: Watch trends for Tropical Storm Force (TS) Wind probabilities
- TS Winds may begin as early as Thursday afternoon and into Friday
- Uncertainty on timing of TS winds still moderate to high
- Currently there are NO probabilities for Hurricane Force winds in our area, BUT watch trends





Expected Storm Total Rainfall

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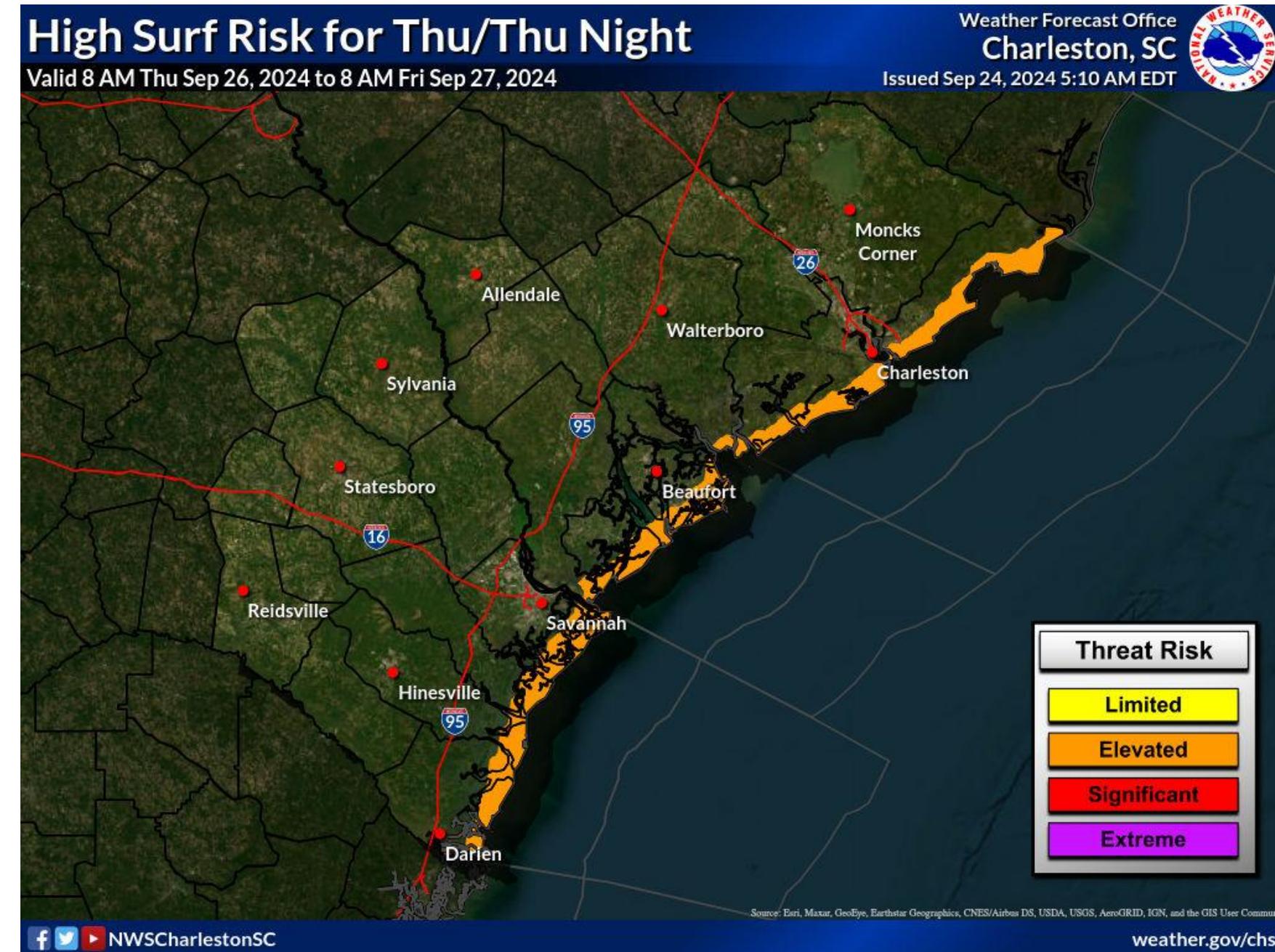
- 7 Day Rainfall Total (likely to change)
- Most of the rainfall is expected to occur Thursday into Thursday night
- WPC has much of the area in a Slight Risk of Excessive Rainfall for Thursday and Marginal Risk for Friday





Potential Beach Impacts & Storm Surge

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Potential For:

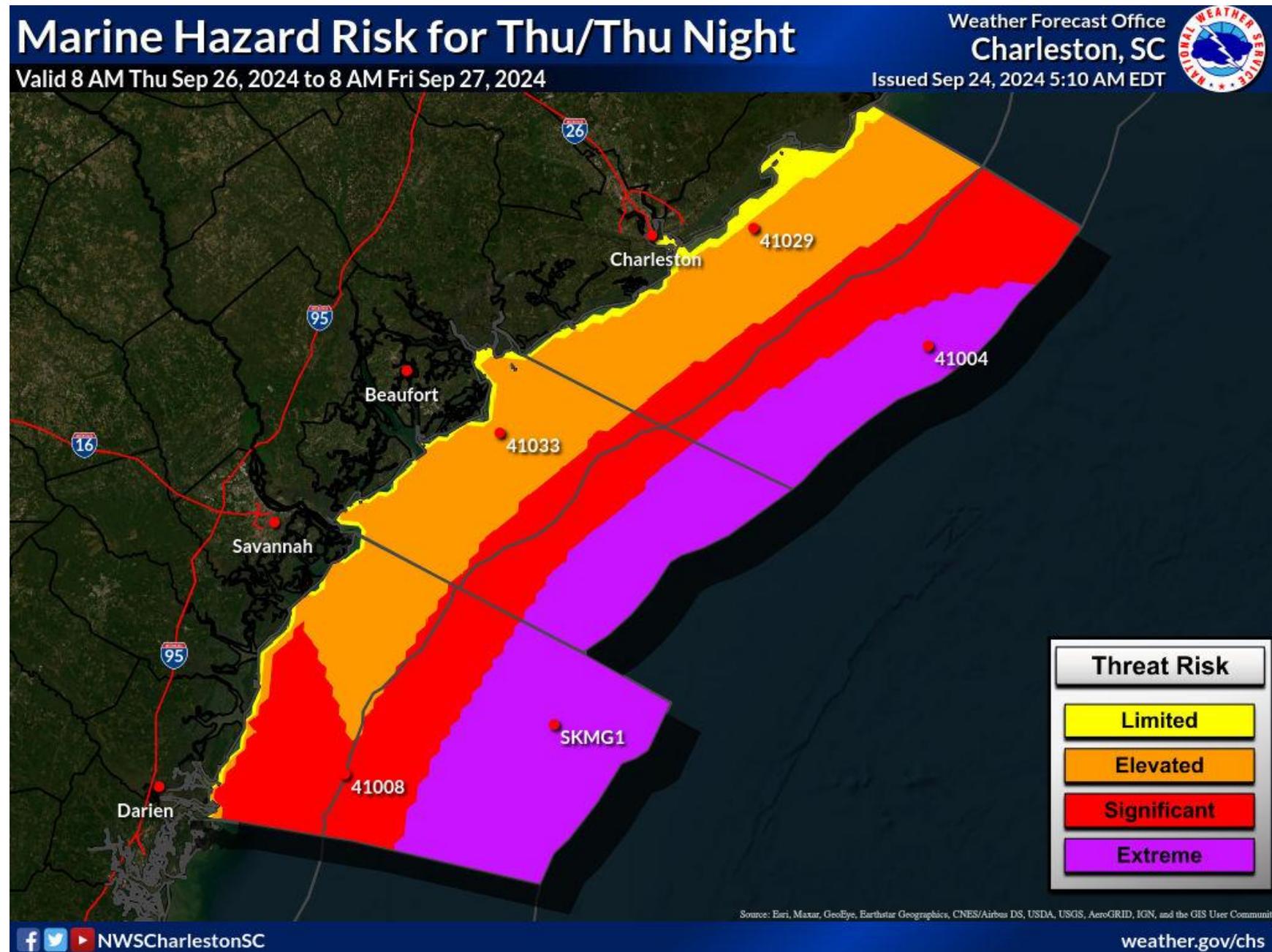
- **Beach Hazards:**
 - High surf & significant beach erosion Thursday into Friday morning
 - High risk for deadly rip currents Thursday and Friday

- **Tide/Storm Surge:**
 - Increasing tides, with moderate to high impacts from storm surge inundation (water above normally dry ground in the tidal areas)



Potential Marine Impacts

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Potential For:

- **Dangerous Seas/Waves:**
 - Seas building to 8-16 feet, especially Thursday into Thursday night
- **Tropical Storm Force Wind/Wind Gusts:**
 - Wind/Wind gusts of 40-55 mph possible for Thursday into Friday morning
 - Strongest winds likely within heavy rainbands



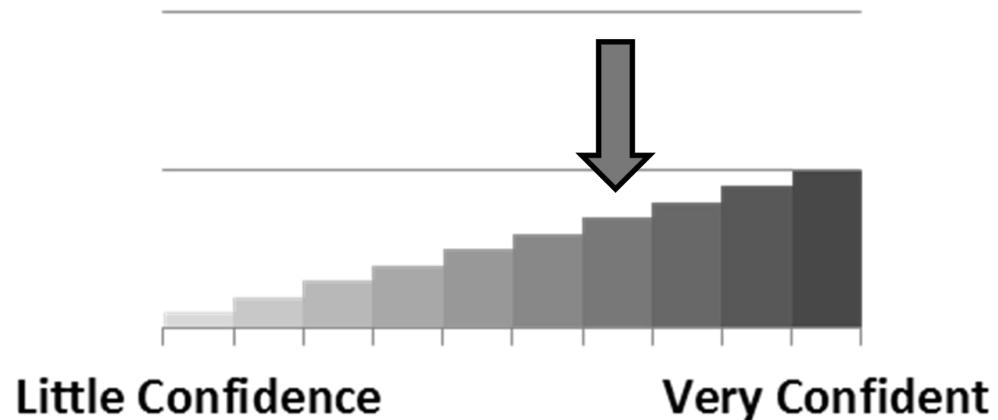


Key Take-Aways

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- Confidence is expected to increase in forecast track and level of impacts later today/Wed
- This is expected to be a large storm, with impacts reaching well beyond the track uncertainty cone
- Focus on expected impacts NOT the center line of the forecast track

Forecast Confidence



Overall Storm Formation and Track: Moderate to High Confidence

Local Level and Timing of Impacts: Moderate





Next Briefing:
Tuesday (9/24), 12 PM

Method: Webinar

