

# TIMELINE & KEY TAKEAWAYS

September 2, 2019 – 5PM



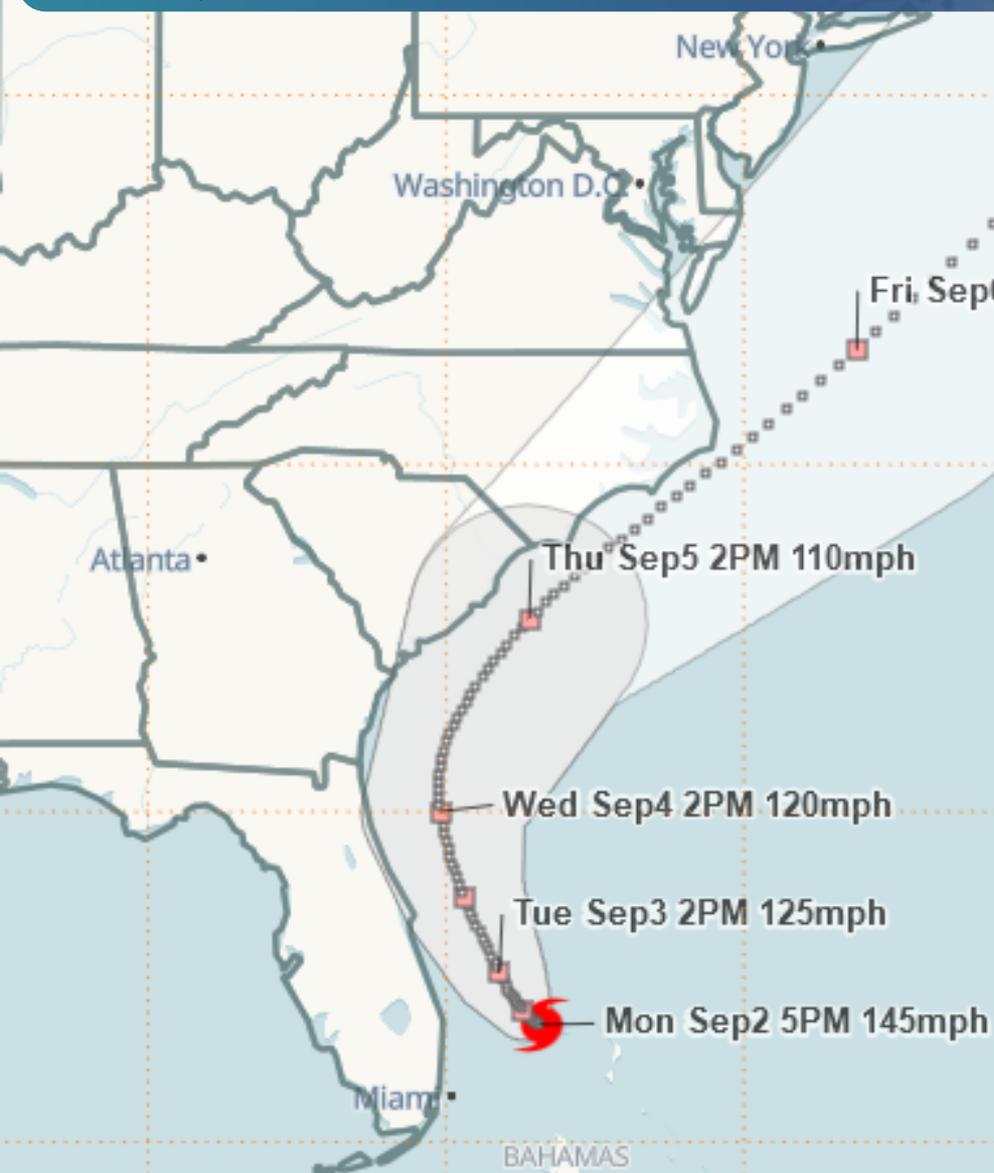
TUE	WED	THU	FRI	SAT
Isolated to widely scattered showers and thunderstorms possible for portions of eastern NC. Rainfall amounts <1" are anticipated.	Light rain may begin with the outer bands as Dorian approaches the NC Coast. Tropical Storm Force winds are most likely to arrive late Wednesday night.	The greatest impacts from Hurricane Dorian are expected Thursday into Friday. The heaviest rains are expected Thursday through early Friday. Life-threatening inundation will be possible sound side, along the coast, and adjacent rivers. The center of Dorian is expected to be NE of the coast by early Friday afternoon.		Conditions continue to improve with mostly sunny skies. Heavy surf is possible.

## Hurricane Dorian

- 1) **The greatest impacts are expected late Wednesday night into Friday for Coastal NC**
- 2) Significant impacts are becoming more likely across portions of eastern North Carolina:
  - Life-threatening storm surge is possible late Wednesday night - Friday
  - Heavy rainfall amounts of 5-10", with locally higher amounts up to 15"
  - Tropical Storm Force winds likely across Coastal NC
- 3) Lesser impacts are expected further inland

# HURRICANE DORIAN

September 2, 2019 – 5PM



Significant impacts from life-threatening storm surge, heavy rain, and strong winds are becoming more likely across eastern NC late Wednesday night - Friday.

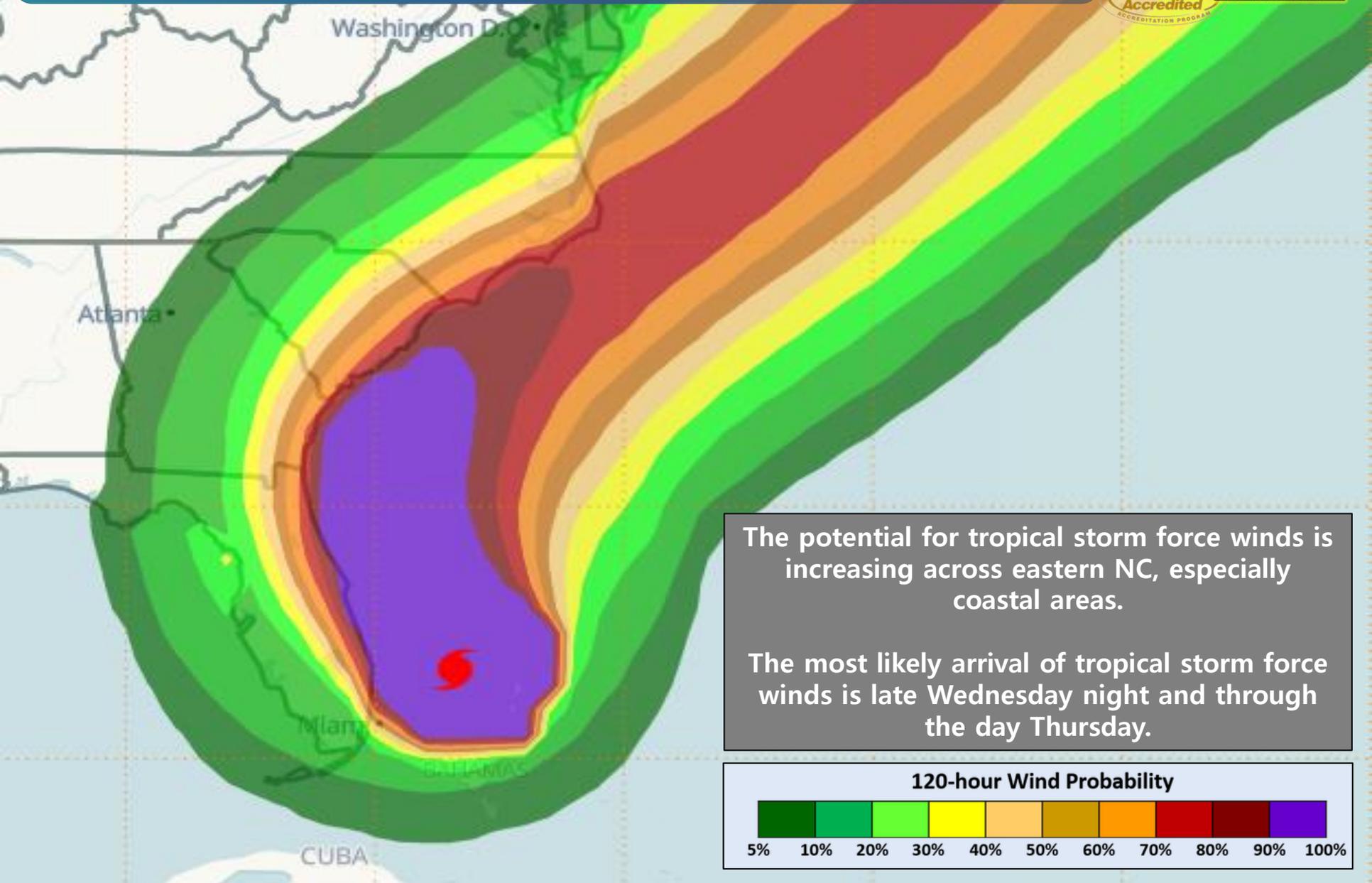
Please continue to monitor the progress of Dorian and consider personal preparations that may be needed.

**Hurricane Dorian [5PM MON]**  
**Location:** Approx. 105 miles E of West Palm Beach, FL  
**Max Sustained Winds:** 145 MPH  
**Movement:** Stationary  
**Min Central Pressure:** 27.76" (940 mb)

The NHC Track Forecast Cone is NOT an Impact Cone. Impacts will be felt far from the center of the storm.

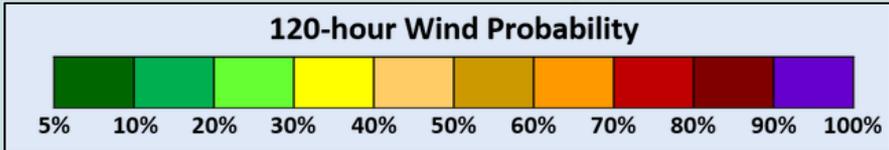
# TROPICAL-STORM-FORCE WIND SPEED PROBABILITIES

September 2, 2019 – 5PM



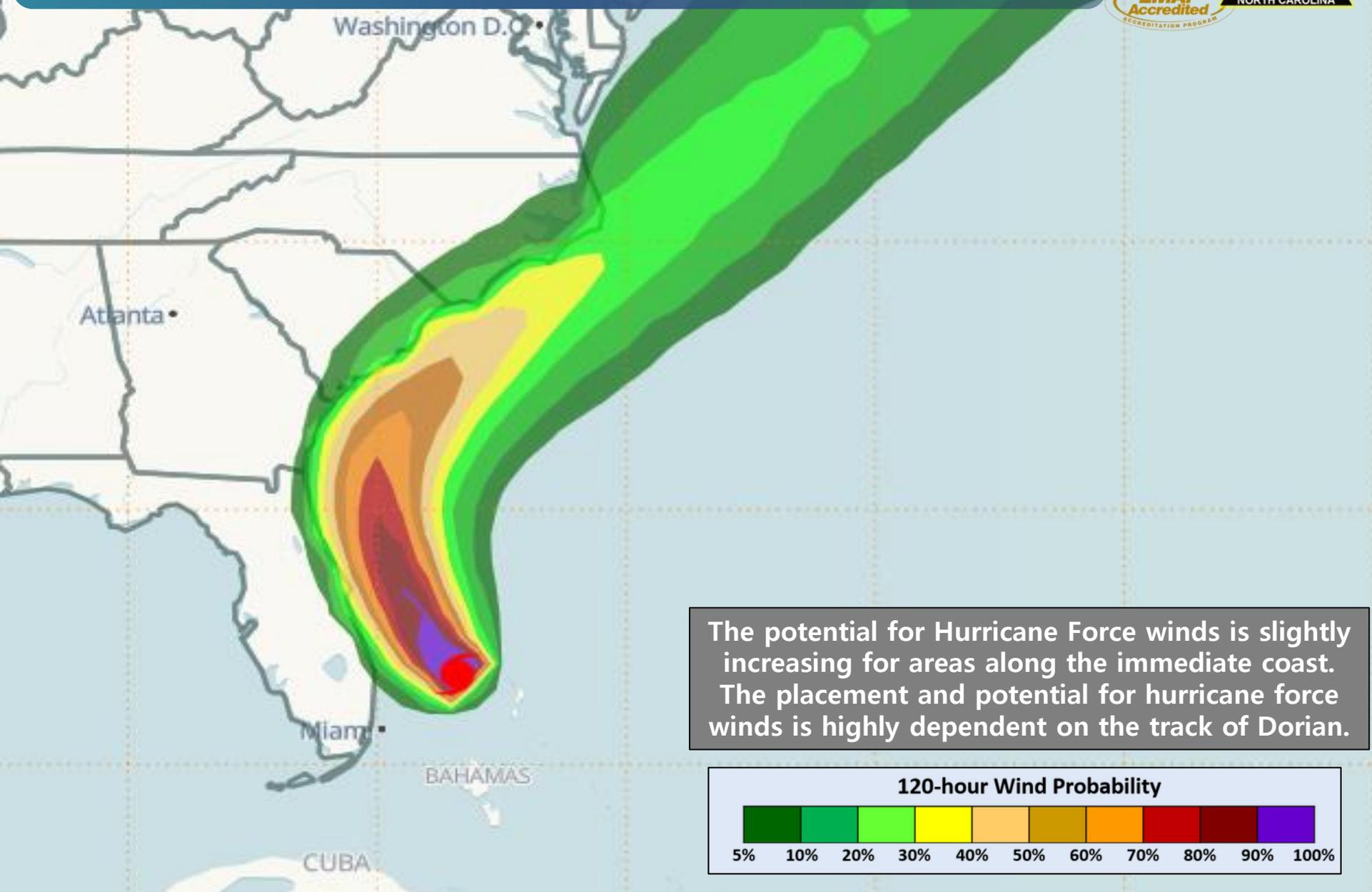
The potential for tropical storm force winds is increasing across eastern NC, especially coastal areas.

The most likely arrival of tropical storm force winds is late Wednesday night and through the day Thursday.

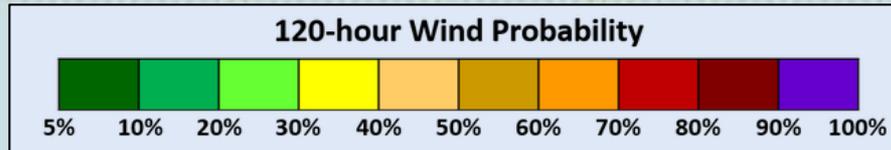


# HURRICANE-FORCE WIND SPEED PROBABILITIES

September 2, 2019 – 5PM

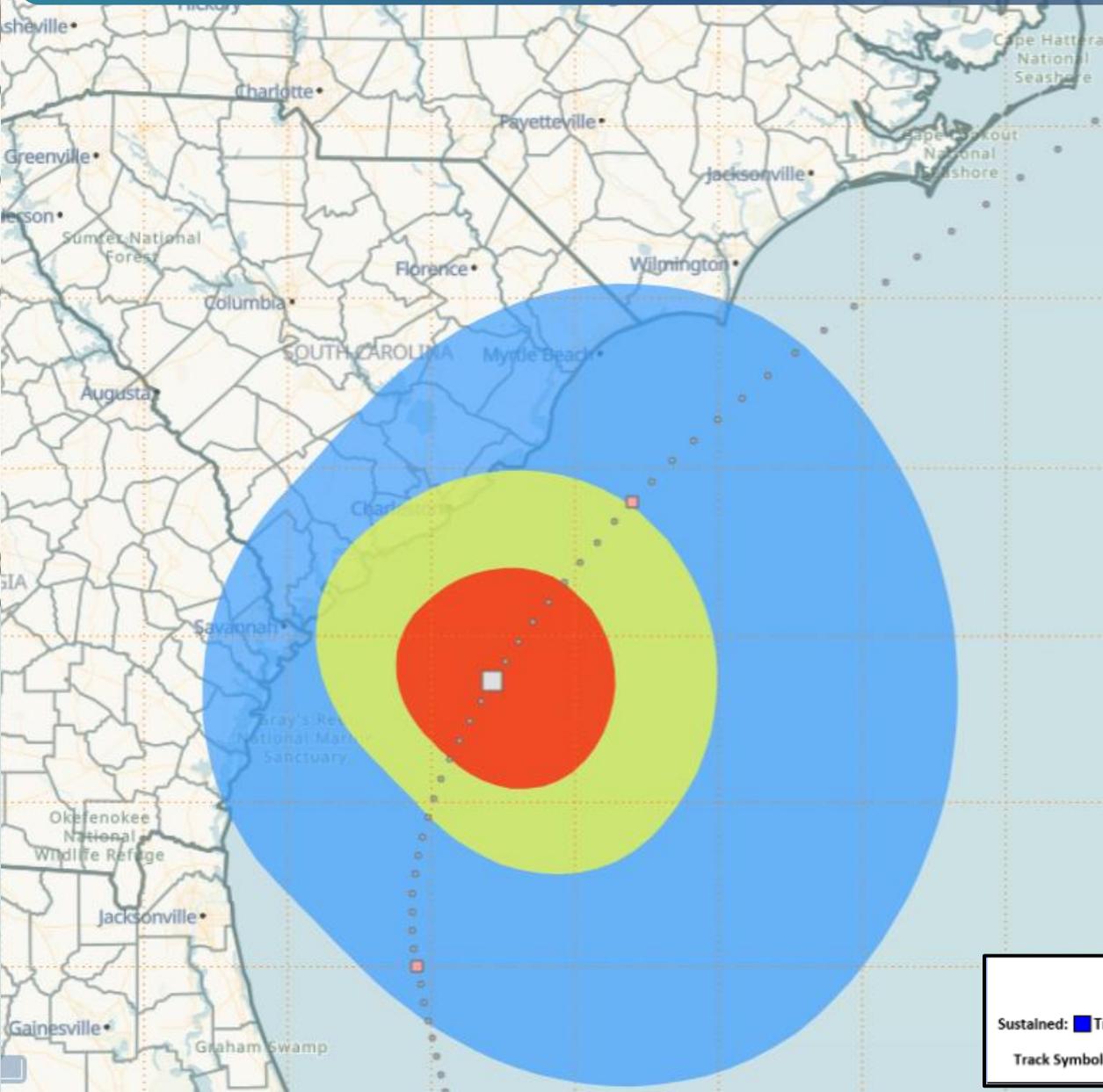


The potential for Hurricane Force winds is slightly increasing for areas along the immediate coast. The placement and potential for hurricane force winds is highly dependent on the track of Dorian.



# FORECAST WIND FIELD

## September 2, 2019 – 5PM Forecast



Tropical-Storm-Force (blue) Wind Speed extent at 5AM Thursday based off of the current forecast.

This graphic shows the areas potentially being affect by the sustained winds of tropical force (blue) and hurricane force (red).

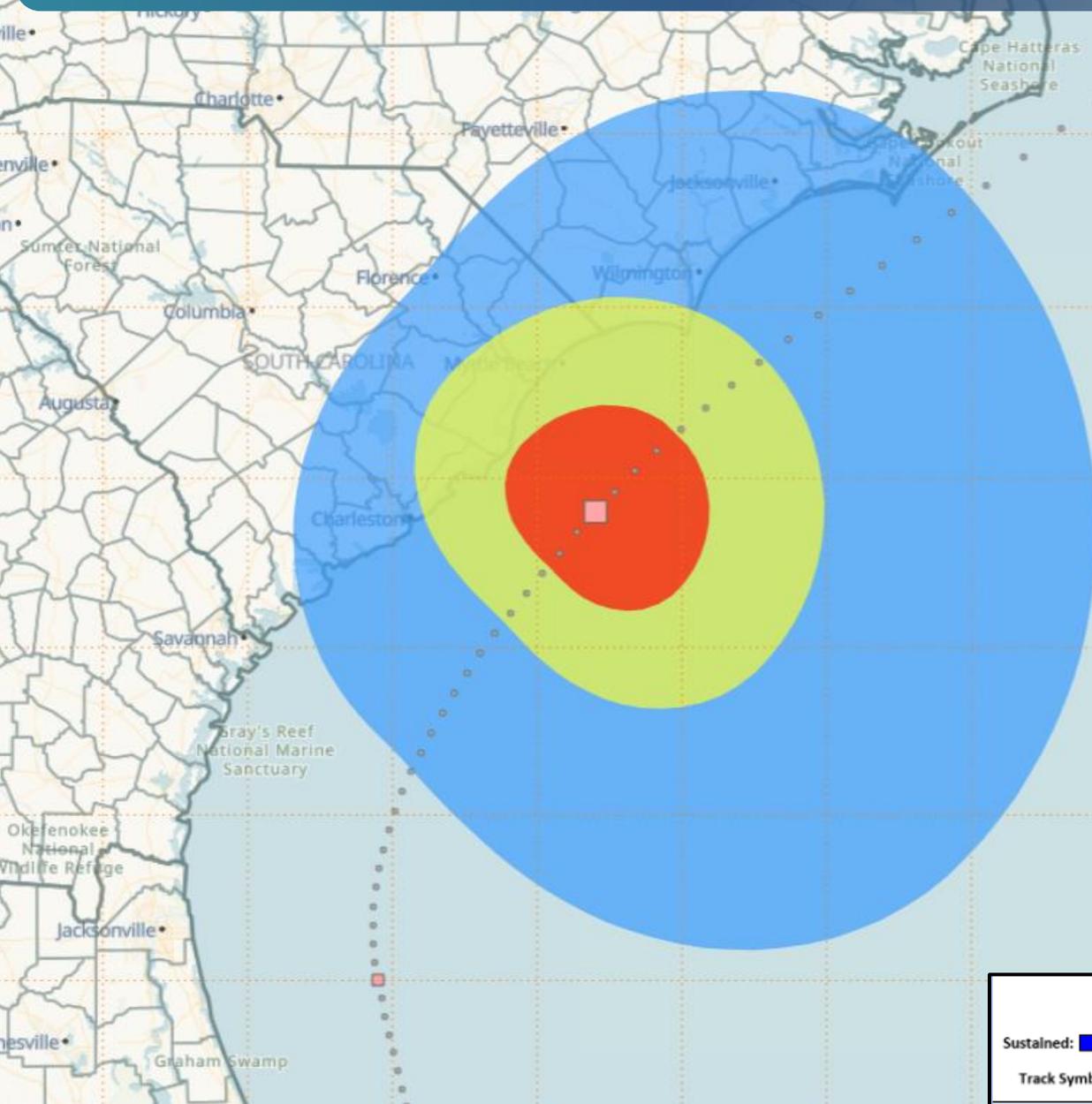
### Storm Track Wind/Symbol Key

Sustained: ■ Tropical Storm  $\geq 34$  kt/39mph ■ Strong TS  $\geq 50$  kt/58mph ■ Hurricane  $\geq 64$  kt/74mph

Track Symbols: ○ Depression ● Tropical Storm ● Hurricane ⊗ Post-Tropical × Potential-Tropical or Remnants

# FORECAST WIND FIELD

## September 2, 2019 – 5PM Forecast



Tropical-Storm-Force (blue) Wind Speed extent at 2PM Thursday based off of the current forecast.

This graphic shows the areas potentially being affect by the sustained winds of tropical force (blue) and hurricane force (red).

### Storm Track Wind/Symbol Key

Sustained: ■ Tropical Storm  $\geq 34$  kt/39mph ■ Strong TS  $\geq 50$  kt/58mph ■ Hurricane  $\geq 64$  kt/74mph

Track Symbols: ○ Depression ⊙ Tropical Storm ⊛ Hurricane ⊗ Post-Tropical ✕ Potential-Tropical or Remnants

# ARRIVAL OF TSF WINDS

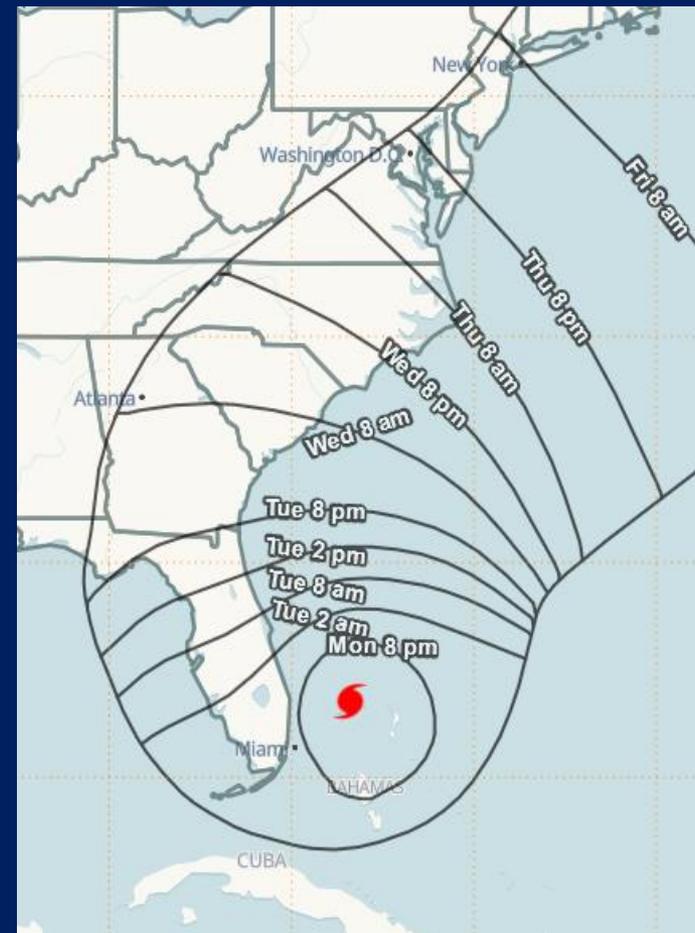
September 2, 2019 – 5PM



## Most Likely Arrival



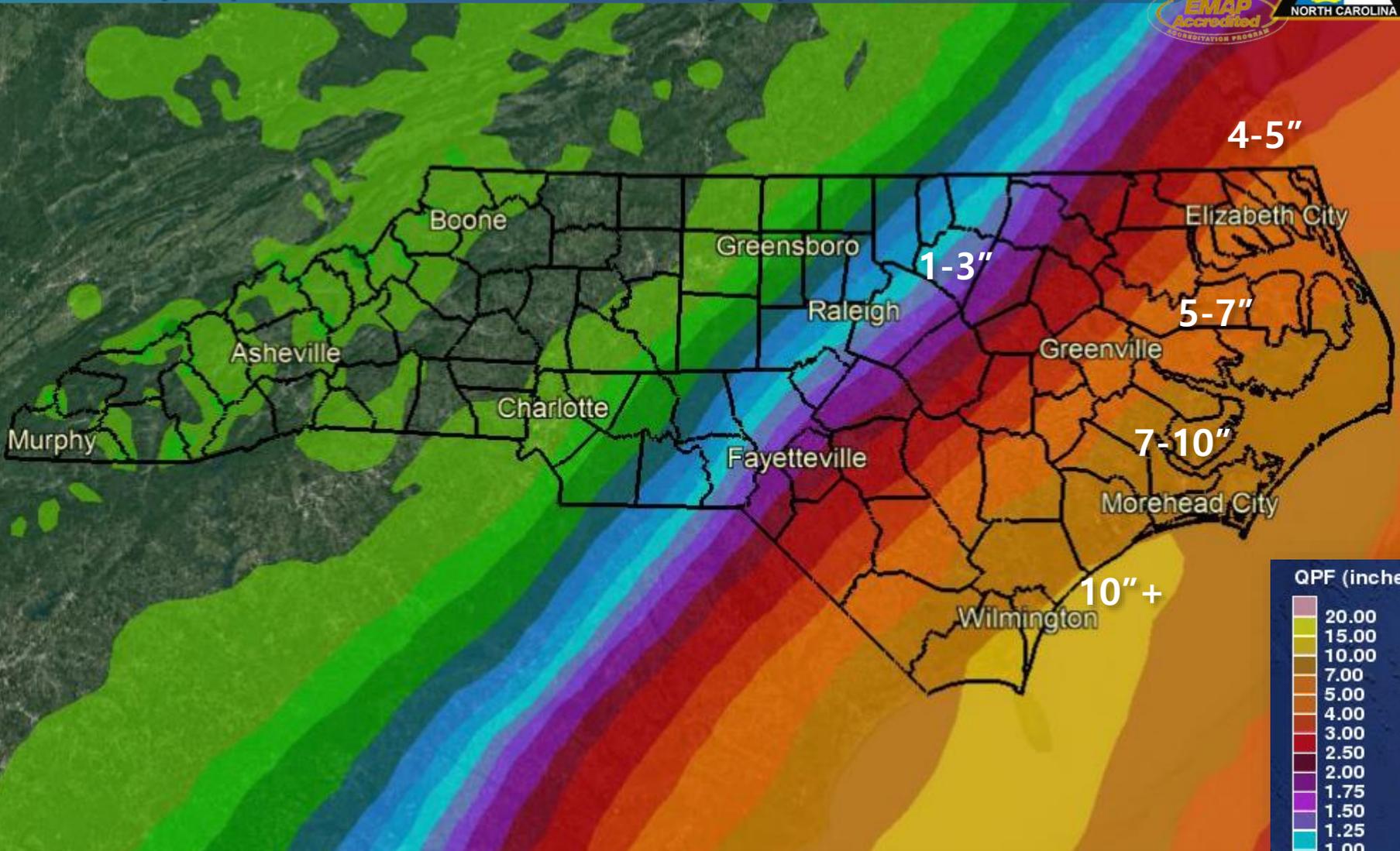
## Earliest Reasonable Arrival



The most likely arrival time of tropical storm force winds is late Wednesday night and through the day Thursday. However, tropical storm force winds could begin as early as midday Wednesday across SE NC.

# 5-DAY RAINFALL FORECAST

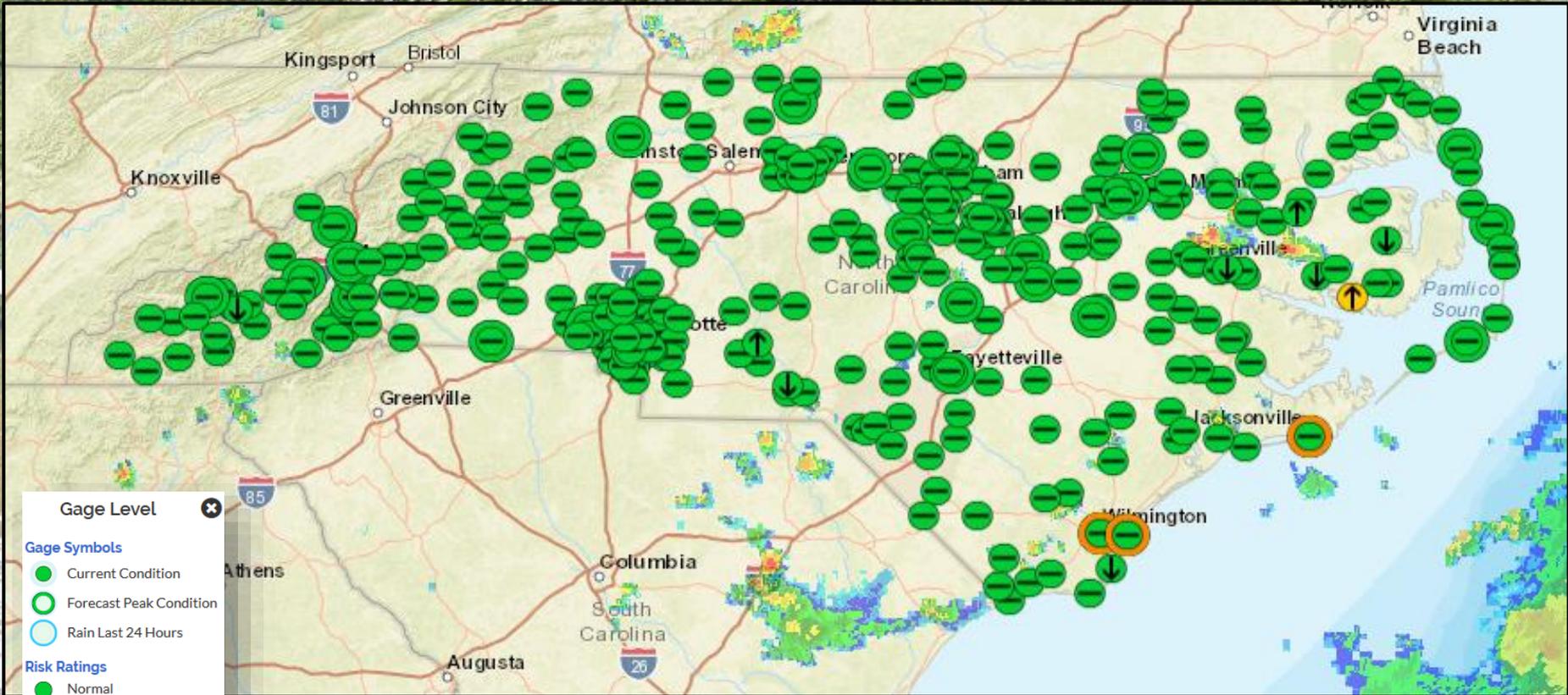
8PM Monday, September 2, 2019 – 8PM Saturday, September 7, 2019



**Rainfall amounts shown are averages, locally higher amounts are possible. Higher rainfall amounts will likely result in flash flooding and possible river flooding. The heaviest rain is expected late Wednesday night – early Friday.**

# RIVER FLOOD OUTLOOK

September 2, 2019 – 6:00PM



**Gage Level**

**Gage Symbols**

- Current Condition
- Forecast Peak Condition
- Rain Last 24 Hours

**Risk Ratings**

- Normal
- Monitor
- Minor Flooding
- Moderate Flooding
- Major Flooding
- Not Risk Rated
- Out of Service

**Trend**

- Rising
- Falling
- Constant

# HAZARDS SUMMARY: DORIAN

September 2, 2019 – 5PM



HAZARD	DETAILS	IMPACTS	TIMING
<b>Storm Surge</b>	Too early for specific details	Life-threatening storm surge inundation will be possible along the coast, sounds, and adjacent rivers.	Late Wed - Friday
<b>Inland Flooding</b>	5-10" near the coast (isolated 15") 2-6" east of I-95 <3" across central NC	Rainfall may cause life-threatening flash flooding. Greatest threat east of I-95.	Wed Night – Friday
<b>Damaging Winds</b>	Tropical Storm Force winds possible; lower chance of Hurricane Force winds - highest potential near the coast	Downed trees, widespread power outages, structure damage. Tropical Storm Force winds will most likely begin Wed evening into Thu morning.	TS Force Winds: Late Wed Night – Friday
<b>Tornadoes</b>	Tornado threat will be closely tied to the exact track of Dorian.		Wed Night – Thu Night
<b>Marine &amp; Coastal</b>	Rip currents, dangerous surf, and beach erosion likely		Monday – Friday

Threat Levels:

None

Low

Moderate

High

Extreme