



# HURRICANE DORIAN BRIEFING

6:00 AM EDT

Monday, September 2, 2019

Prepared by: *WFO Newport/Morehead City, NC*

**What has changed:** Confidence continues to increase that Eastern NC will see significant impacts from Dorian.

**Next Briefing:** 6:00 PM EDT Monday

**Disclaimer:** The information contained within is time-sensitive. Do not use after 6:00 PM EDT Monday.




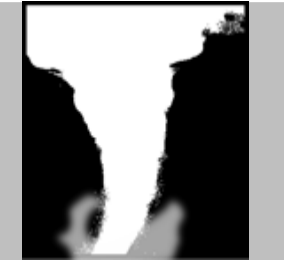

# Situation Overview

Hurricane Dorian



Newport/Morehead City, NC

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Hazard	Impacts	Location	Timing
<b>Flooding Rain</b> 	Prolonged periods of heavy rainfall could lead to flash flooding	Anywhere across eastern North Carolina but based on current track highest threat is along and east of Highway 17	Wednesday into Friday
<b>Storm Surge/ Inundation</b> 	There is the potential for life threatening storm surge inundation	Anywhere along the coast of eastern North Carolina	Wednesday night through Friday
<b>Wind</b> 	There is the potential for life threatening winds/wind damage	Anywhere across eastern North Carolina but based on current track highest threat is along the coast	Wednesday night through Friday
<b>Tornado</b> 	There is the potential for increased tornado activity	Anywhere across eastern North Carolina	Wednesday night through Friday
<b>Marine</b> 	Very dangerous to extreme marine conditions are likely	All coastal and nearshore waters	Wednesday through Saturday



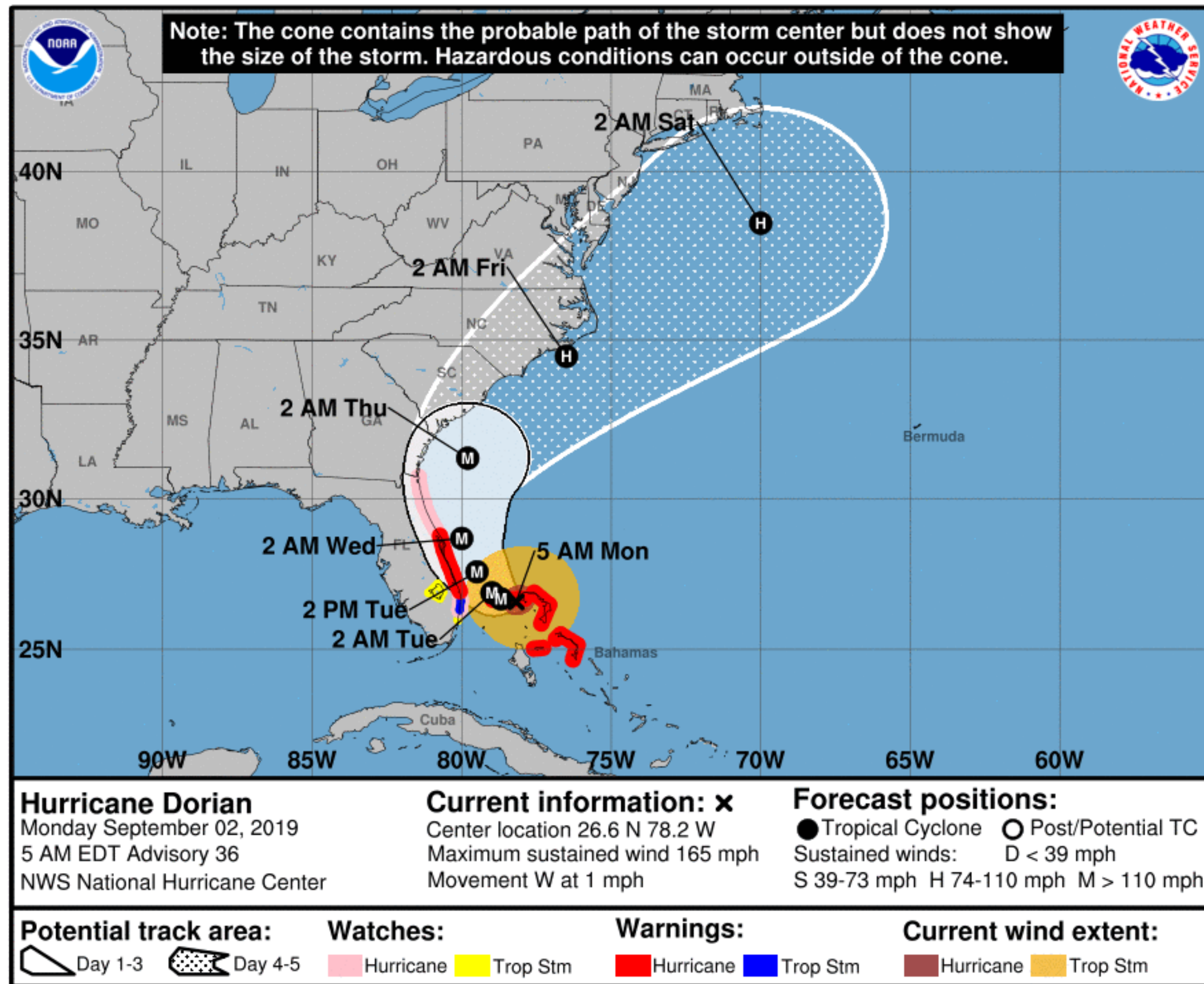
# Situation Overview

## Hurricane Dorian



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**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

### Immediate Concerns to Eastern North Carolina

- High risk for rip currents and hazardous seas continue into next weekend.

### Upcoming Concerns to Eastern North Carolina

- Increasing confidence we will see direct impacts as early as sometime Wednesday, with impacts most likely Thursday and Friday.
- Increasing confidence in Dorian's forecast track but significant changes are still possible.

### Key Takeaways

- Don't focus on the track alone. Impacts will occur well away from the center. Remember the category of the storm is **ONLY** related to wind, it says nothing about the impact of rain, surge, etc.
- Now is the time to complete your hurricane preparedness plans.

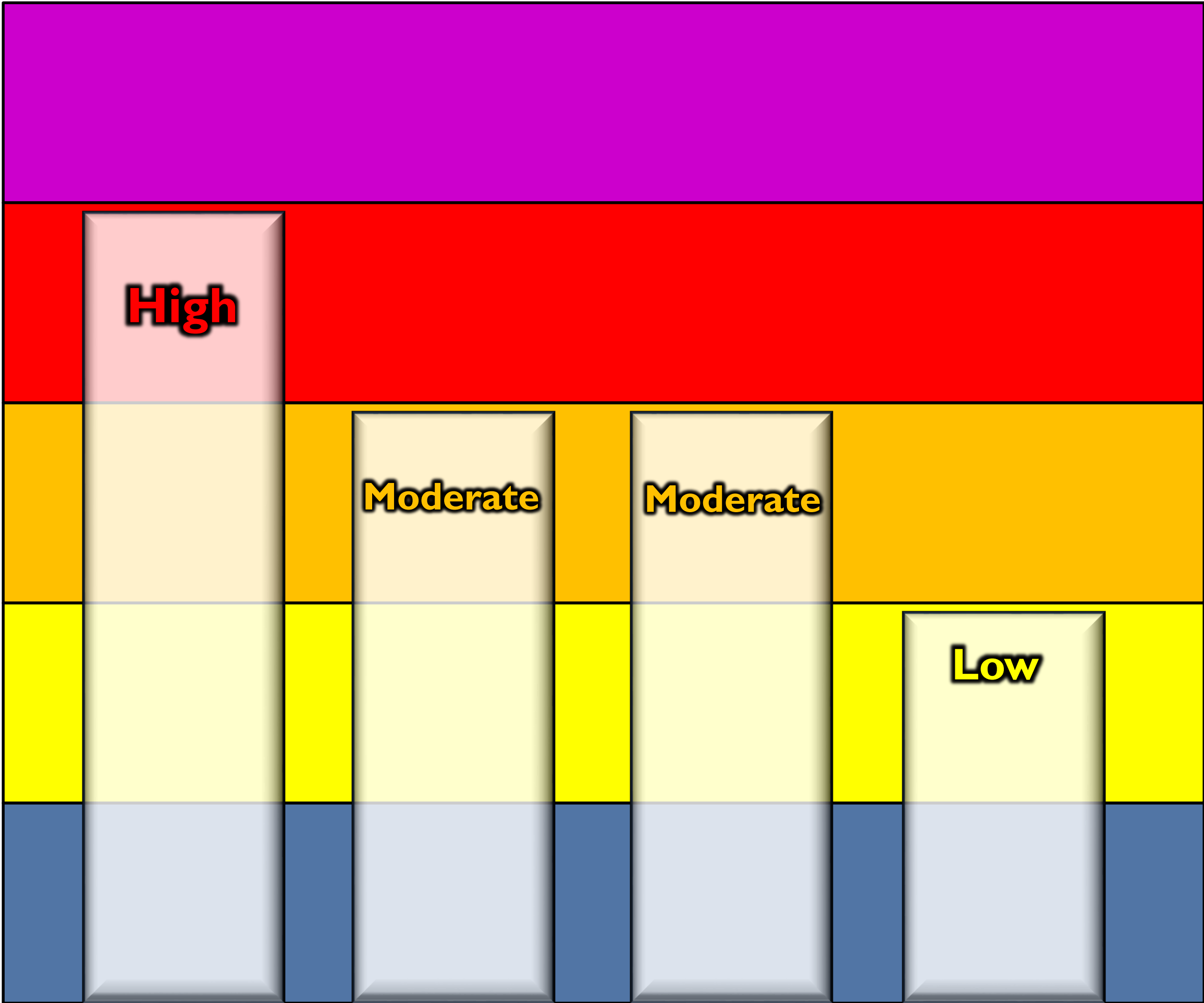
# Threat Levels

Hurricane Dorian

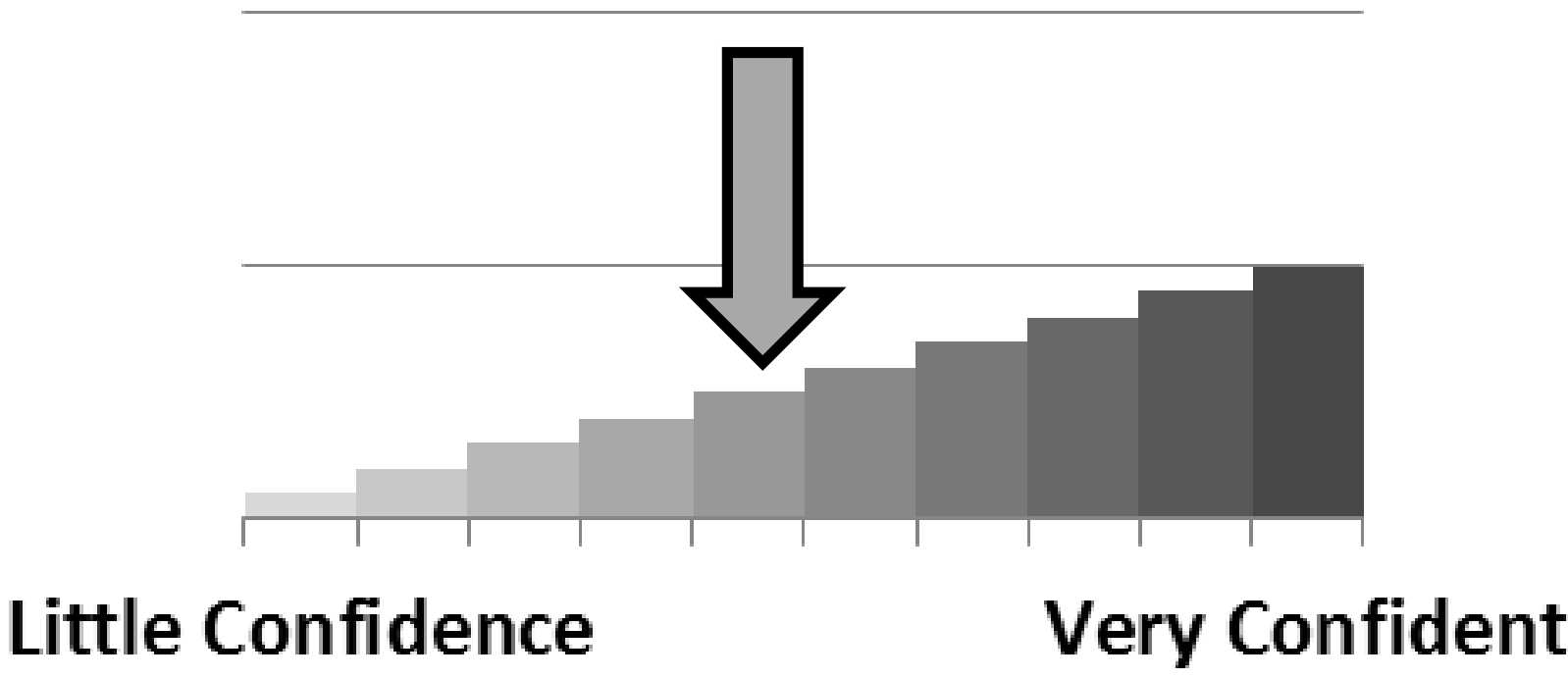


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## Forecast Confidence



Confidence continues to increase that there will be prolonged heavy rainfall in eastern NC. Confidence remains low in other threats which are highly track-dependent.

For information on specific hazards in this area, please go to [weather.gov/mhx/tropical](https://www.weather.gov/mhx/tropical)



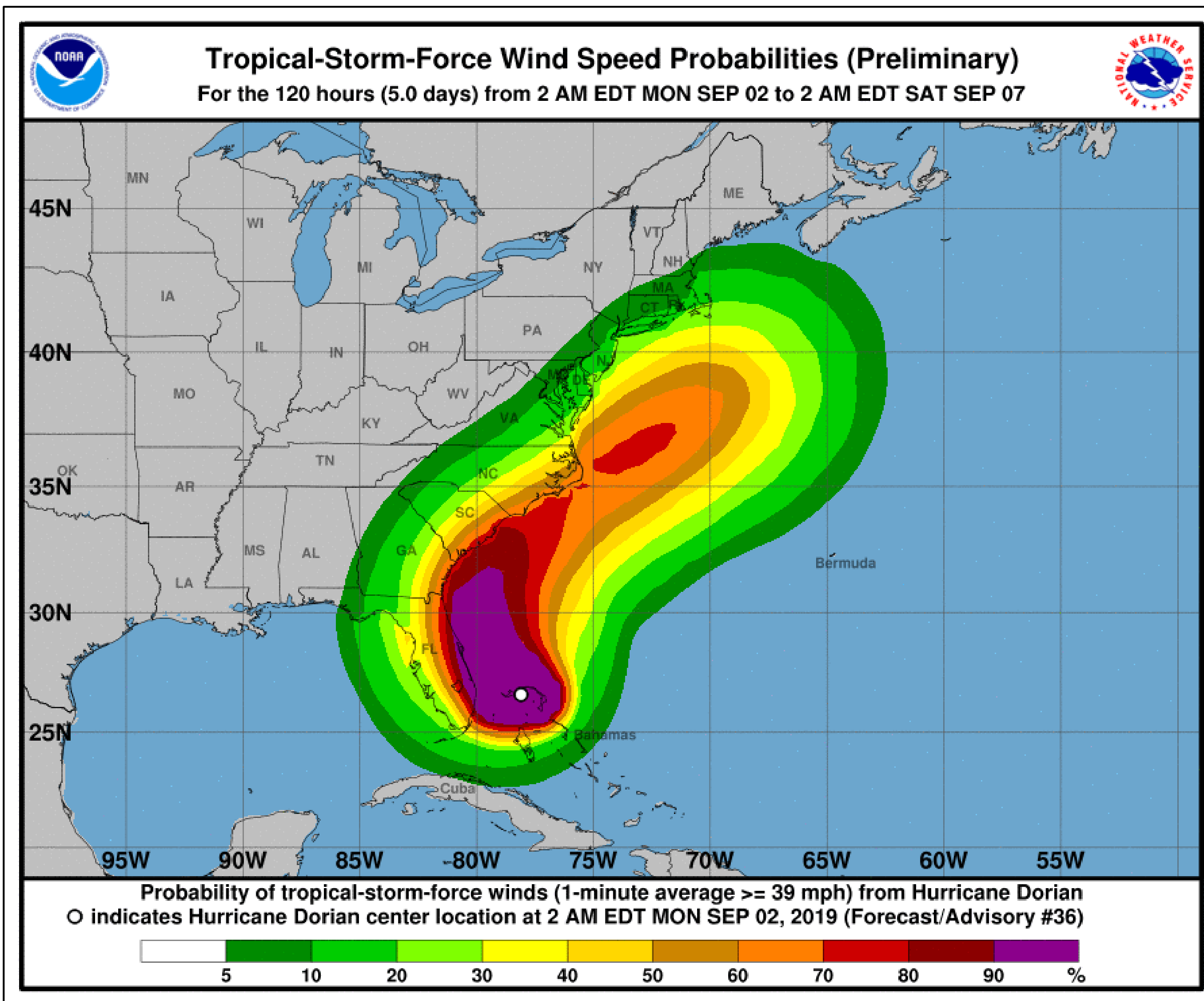
# TS Wind Speed Probabilities

Hurricane Dorian



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- The threat for tropical storm force winds locally has remained steady across much of the area, but is now likely along the immediate coast
- Tropical storm force winds may arrive as early as sometime late Wednesday night, but are most likely to arrive Thursday
- Monitor trends with future updates

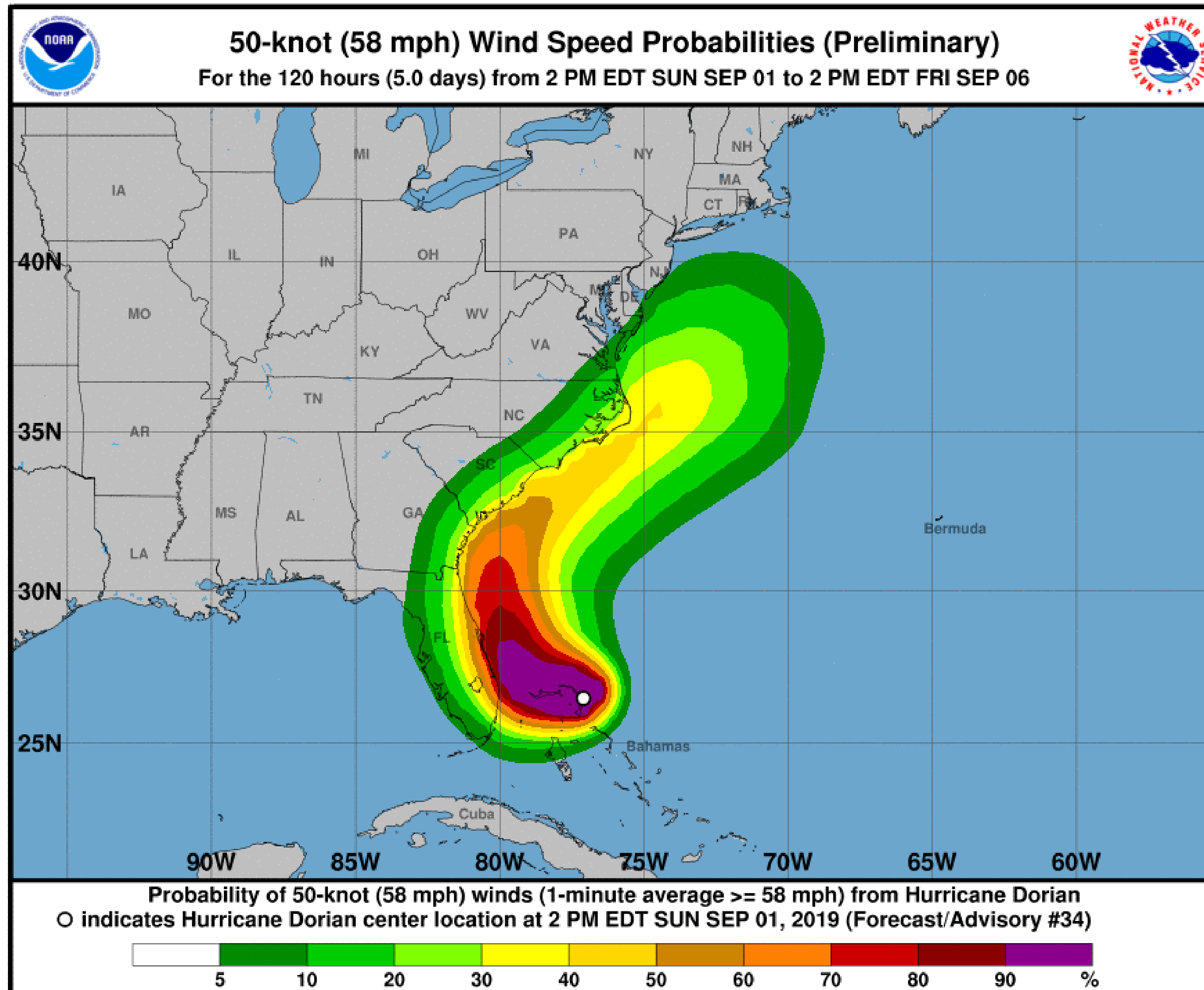
# 50 Knot Wind Speed Probabilities

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- The threat for 50 knot winds locally has remained steady and remains highest along the coast
- Probability of 50 knot winds is likely to increase as arrival time gets closer
- Monitor trends with future updates

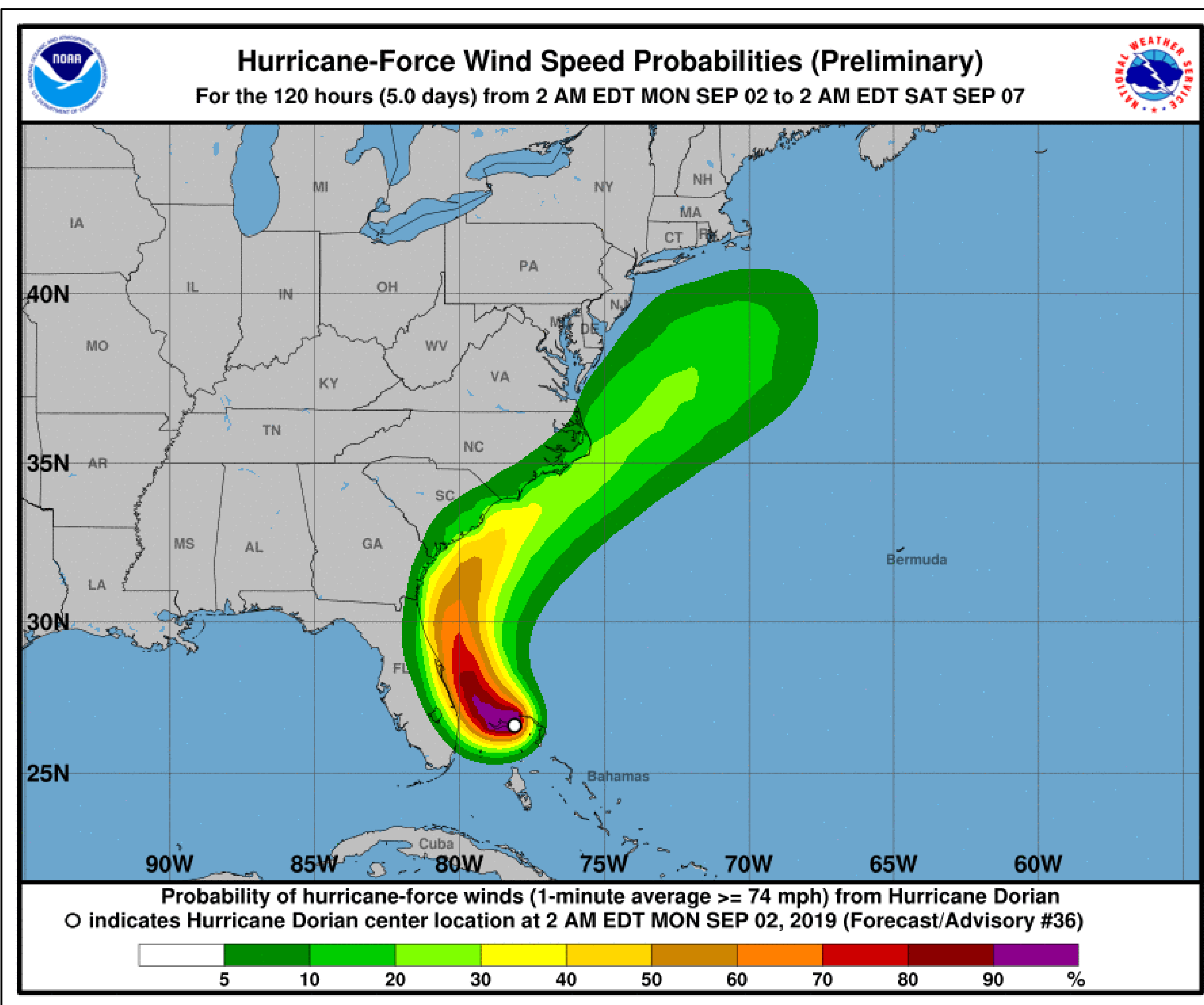
# Hurricane Wind Speed Probabilities

Hurricane Dorian



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- The threat for hurricane force winds locally has remained the same with the highest threat along the immediate coast
- Probability of hurricane force winds may increase as arrival time gets closer
- Monitor trends with future updates

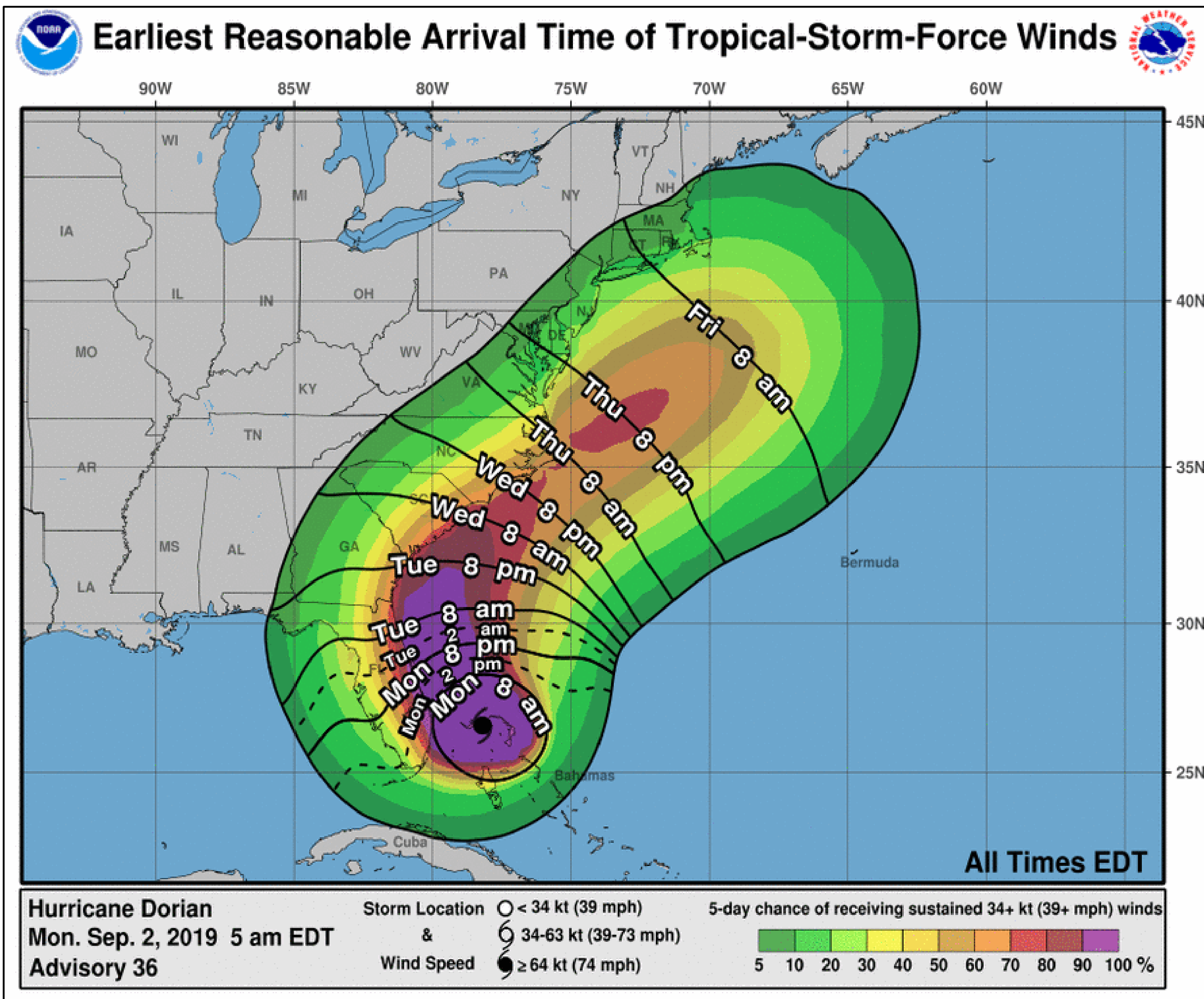
# Earliest Reasonable Time of Arrival

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- The earliest reasonable time of arrival of Tropical Storm Force Winds for Eastern North Carolina is sometime late Wednesday night
- All preparations should be completed Wednesday
- However, the most likely time this area could see Tropical Storm Force Winds will sometime Thursday



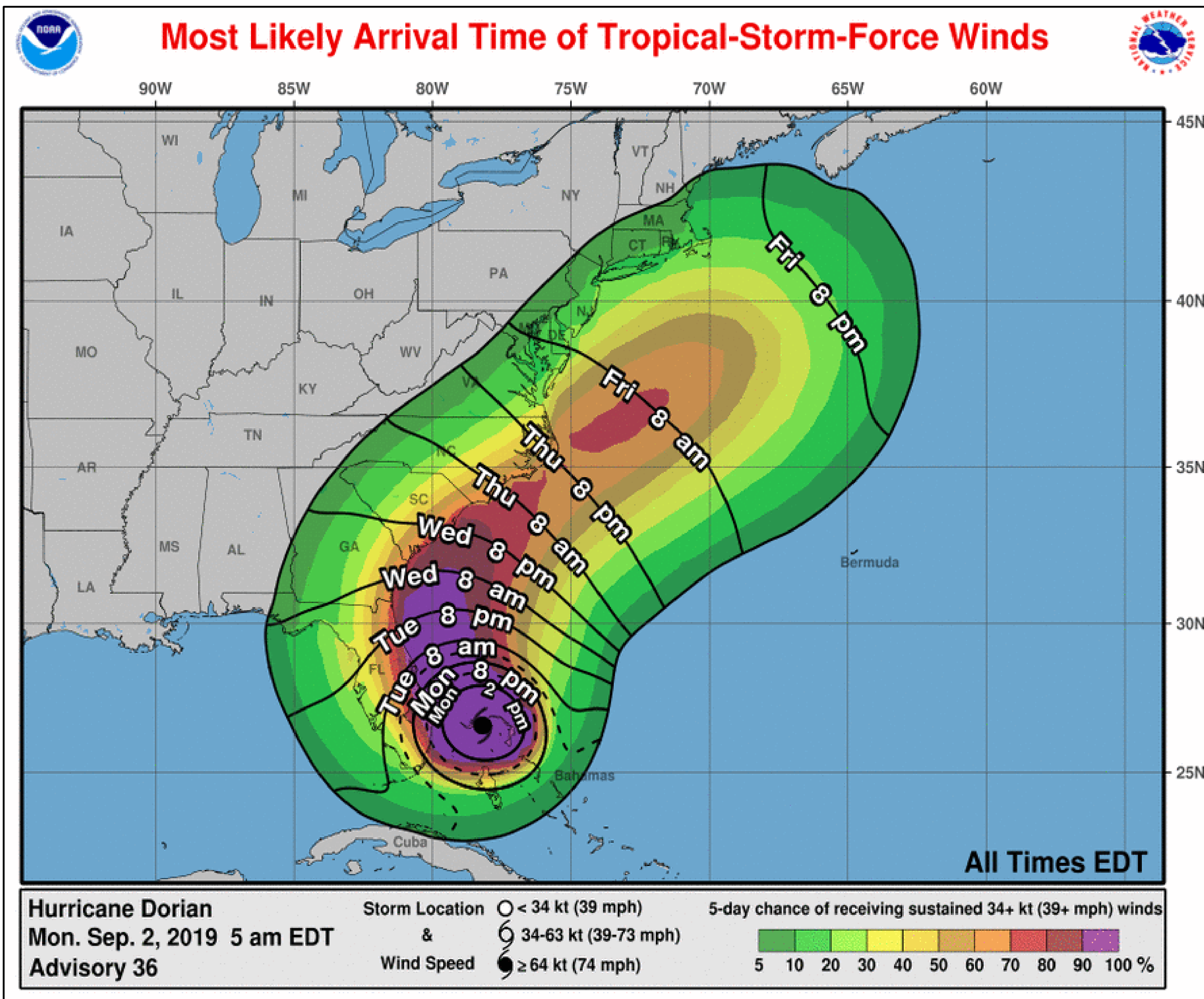
# Most Likely Time of Arrival

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- The most likely time of arrival of Tropical Storm Force Winds for Eastern North Carolina is sometime Thursday
- However, this area could see Tropical Storm Force Winds as early as sometime late Wednesday night

# Expected Storm Total Rainfall

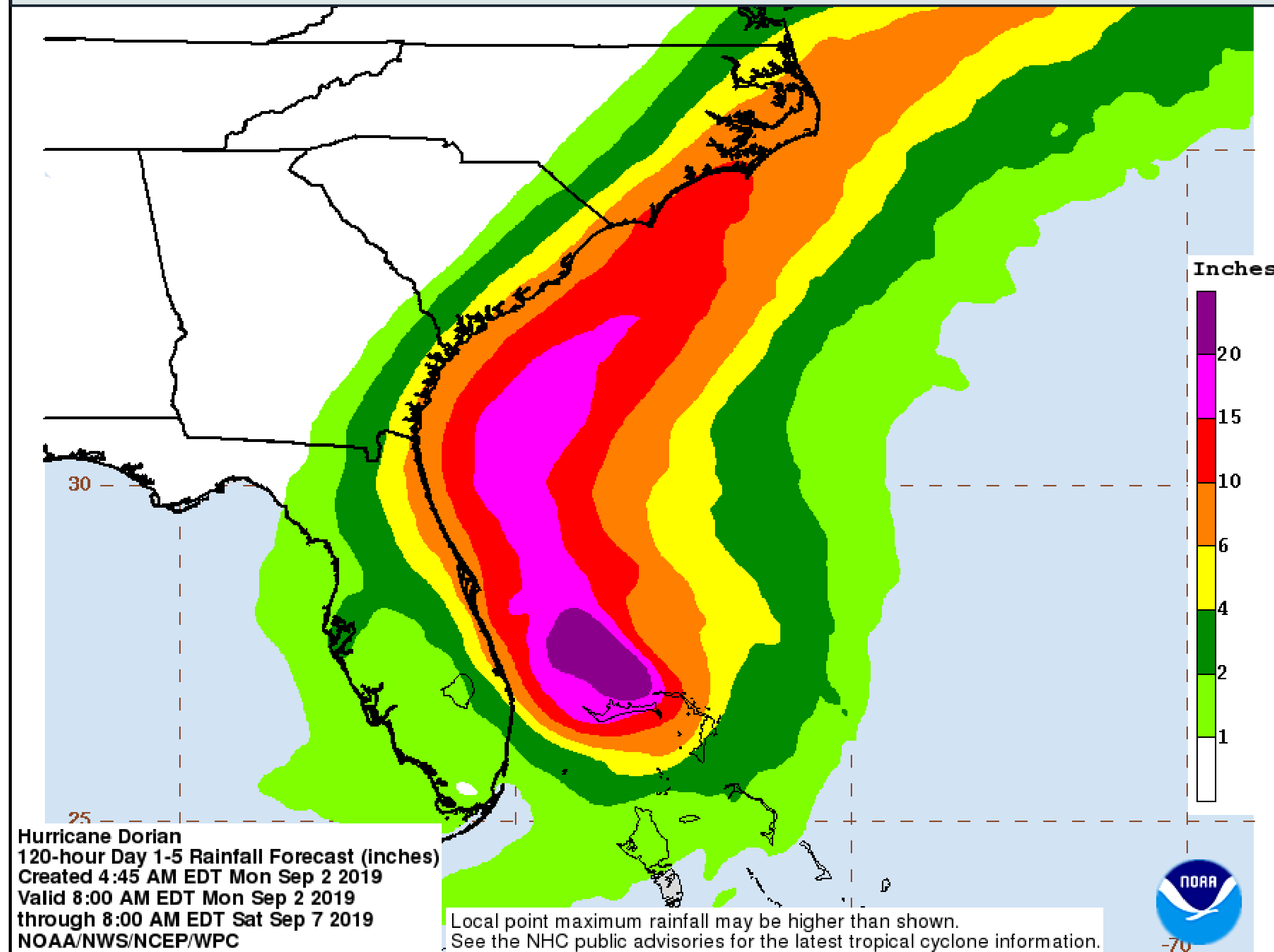
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**Note:** Locally higher amounts up to 15 inches are possible.



- Storm Total rainfall forecast valid through Saturday morning
- Locally, most rain will occur Wednesday into Friday



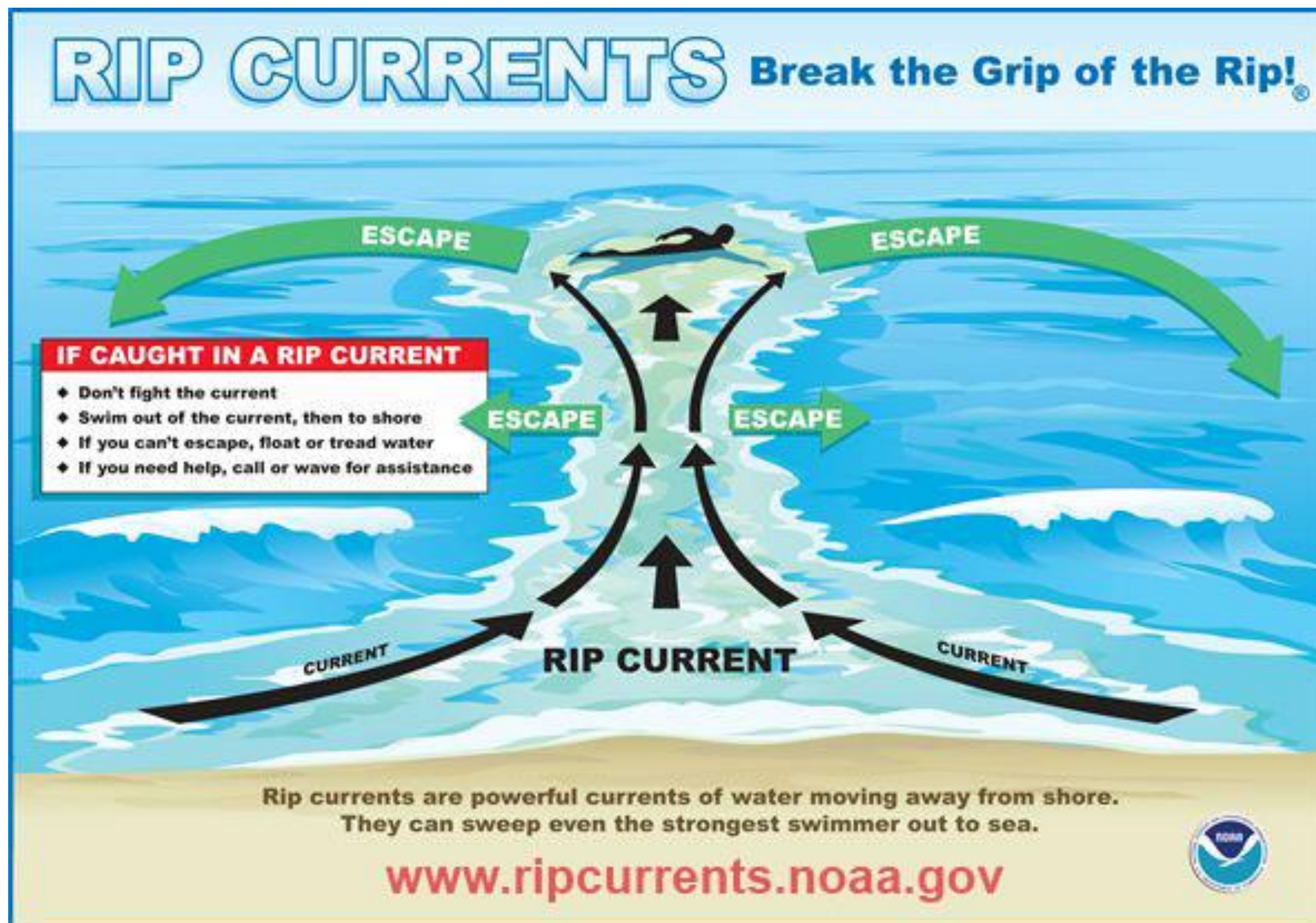
# High Risk For Rip Currents

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- Large swell from Dorian will continue to impact the Eastern NC coast this week
- High risk for rip currents will continue through the week



# Key Take-Aways

Hurricane Dorian



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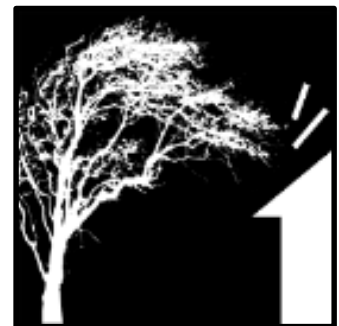
- ✓ Confidence is MODERATE that the event will occur
- ✓ Confidence is LOW regarding exact impacts



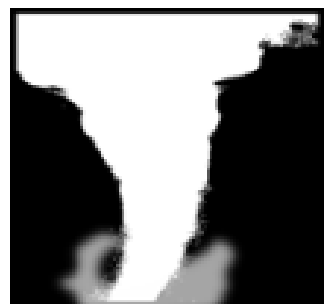
Prolonged periods of heavy rainfall could lead to flash flooding



There is the potential for life threatening storm surge inundation



There is the potential for life threatening winds/wind damage



There is the potential for increased tornado activity



Very dangerous to extreme marine conditions expected. High risk for rip currents.



## Contact and Next Briefing Information

Next Briefing:  
When: By 6:00 PM EDT Monday  
Method: E-mail



**Web:** <http://weather.gov/newport>



**Phone:** (252) 223-5737



**E-mail:** [wxobs.mhx@noaa.gov](mailto:wxobs.mhx@noaa.gov)



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*Tropical Briefing Webpage:* <http://weather.gov/mhx/tropical>



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