

# **Tropical Storm Hermine**

**September 1-3, 2016**

**Eastern North Carolina  
Threat Assessment**

**National Weather Service  
Newport/Morehead City, NC**

# Tropical Storm Hermine Key Points

- **Changes since last briefing**
  - ***A Tropical Storm Watch has been issued for the area from Oregon Inlet South, including the Pamlico Sound and most inland Counties.***
  - ***A flash flood watch has been issued for the entire area.***
- **Heavy Rain and Flash Flooding Impacts**
  - ***The area remains under a significant heavy rainfall threat.*** Regardless of exact track, ample amounts of tropical moisture will be streaming over the area and combine with a frontal boundary ahead of the Hermine resulting in moderate to heavy rains for an extended period of time.
  - Heavy rainfall and possible flash flooding could ***begin as early as Friday Morning and continue into the day on Saturday.***
  - ***Widespread 5 to 8 inch rainfall amounts will be possible with isolated amounts up to 10 inches for the duration of the event.***
  - ***This prolonged heavy rainfall with periods of very enhanced rainfall rates could result in flash flooding.***
  - A flash flood watch is in effect for all areas from Friday Morning through Saturday.
- **Wind/Seas Impacts**
  - ***At least minimal Tropical storm force winds are possible across the entire area.***
  - Tropical storm force winds are likely and seas of at least 12 to 16 feet are possible. Mariners are urged to stay in port during the peak of the storm.
  - Inland Wind speeds of 30 to 40 mph with gusts to 50 mph are possible.
  - Along the coast, wind speeds of 35 to 45 mph are possible, with gusts 55 to 60.
  - Timing for strongest sustained winds is Friday Night through Saturday, lingering into early Saturday evening across the Outer Banks.
  - ***Minor to Moderate impacts from winds are possible, with some downed trees and scattered power outages.***

# Tropical Storm Hermine Key Points

- **Coastal Flooding/Beach Erosion**

- The threat of coastal flooding and beach erosion continues. All coastal areas along the sounds and ocean are at risk of at least minor sound-side flooding of up to a foot above ground in low lying areas. ***Some areas may receive moderate coastal flooding of up to 2 feet above ground in low lying areas, but given track uncertainties it is too early to identify specific areas at the greatest risk.*** Minor track changes will significantly affect which areas receive the highest surge.
- Oceanside there will be water level rises and large waves resulting in at least minor beach erosion. It is still too early to nail down the highest risk areas and some spots could receive moderate erosion and some overwash.
- ***Hermine will slow and stall off the Delmarva after it departs our area. As a result lingering swell from the northeast may keep waves and water levels high across the Outer Banks into mid week. This will result in continuing erosion issues.***

- **Tornadoes**

- The threat of isolated tornadoes with this system continues for the entire area.

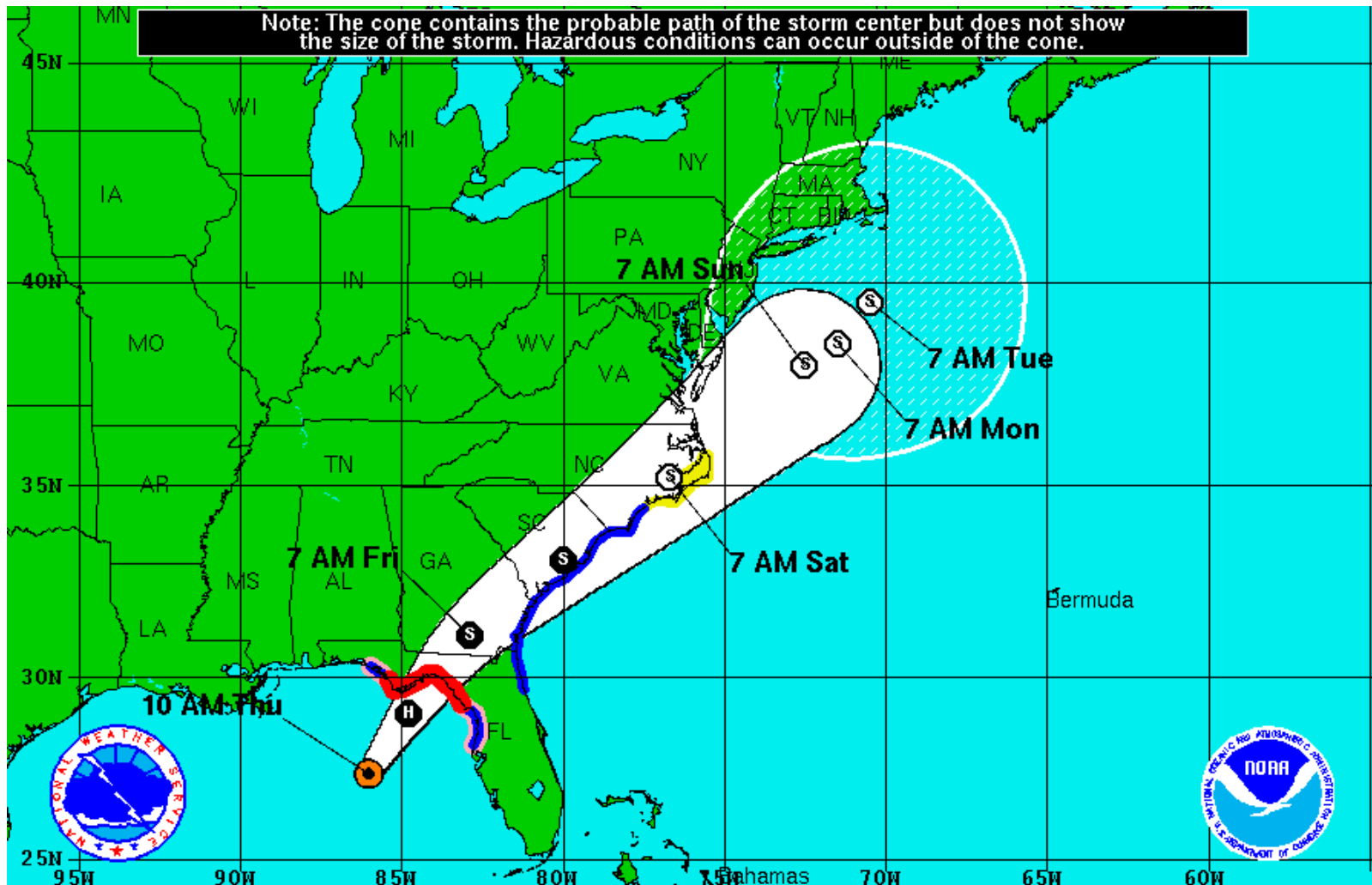
- **Rip Currents**

- There will be a ***high risk of rip currents*** along all area beaches continuing through the weekend. ***Dangerous shore break*** remains a concern for beaches south of Cape Hatteras.

- **Monitor for updates!**

- Please continue to monitor the situation through a variety of means for updates on expected impacts from this tropical system.
- Small track changes could result in significant changes in potential impacts.

# Tropical Storm Hermine Forecast Track



**Tropical Storm Hermine**  
 Thursday September 1, 2016  
 10 AM CDT Advisory 16  
 NWS National Hurricane Center

**Current Information:** ●  
 Center Location 27.4 N 86.0 W  
 Max Sustained Wind 65 mph  
 Movement NNE at 14 mph

**Forecast Positions:**  
 ● Tropical Cyclone ○ Post-Tropical  
 Sustained Winds: D < 39 mph  
 S 39-73 mph H 74-110 mph M > 110mph

**Potential Track Area:**  
 Day 1-3 Day 4-5

**Watches:**  
 Hurricane Trop.Storm

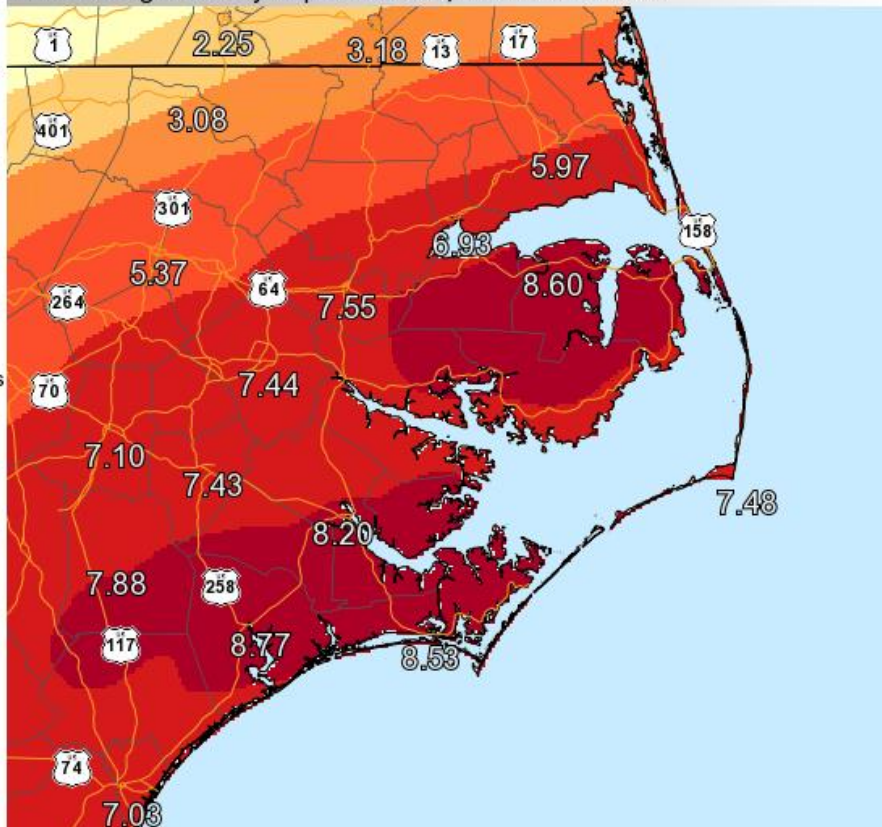
**Warnings:**  
 Hurricane Trop.Storm

# Rainfall Forecast Into Saturday

## Forecast Precipitation

National Weather Service

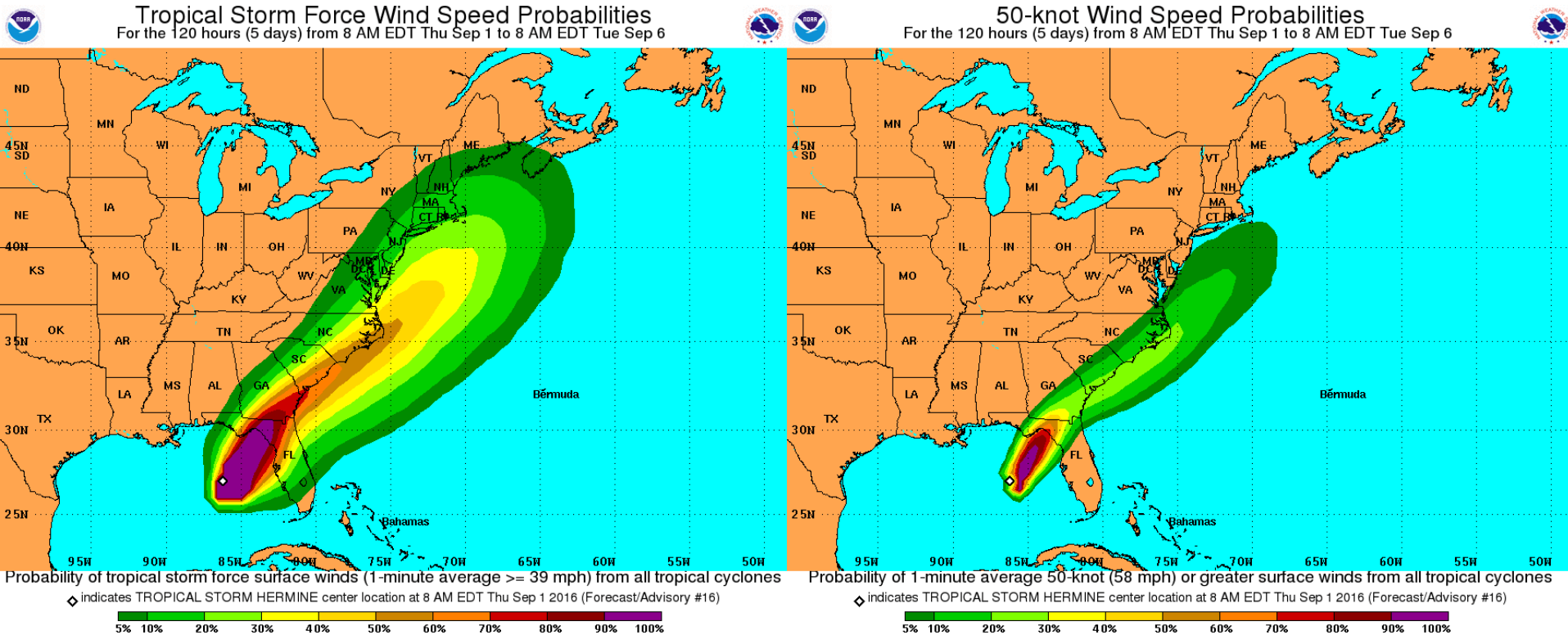
Valid Ending Saturday September 3rd, 2016 at 7 PM CDT



Graphic Created  
September 1st, 2016  
10:54 AM CDT

- This graphic depicts the average rainfall amounts through the duration of Tropical Storm Hermine (Ending Saturday Night).
- Widespread amounts of 5 to 8 inches are possible with isolated locations receiving up to 10 inches of rain.
- ***A Flash Flood Watch has been issued for the entire area from Friday Morning through Saturday.***

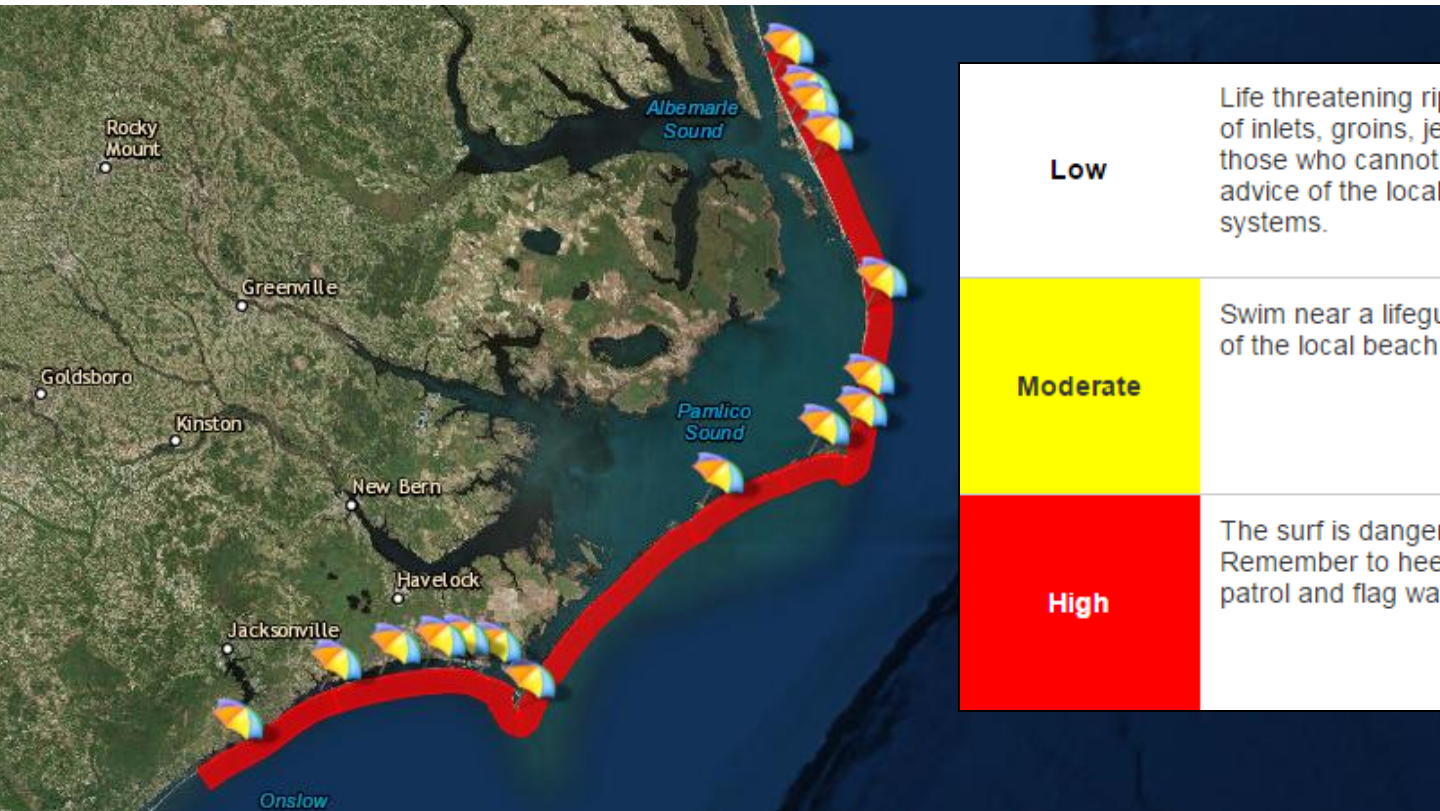
# Tropical Storm Force Wind Speed Probabilities



Here are the most recent 34 KT and 50 KT wind speed probabilities at point locations associated with this system. Tropical storm force wind speed probabilities are increasing across all of Eastern NC indicating increasing confidence. The entire area is at risk of tropical storm force winds. Monitor these probabilities for trends in the wind speed forecast.



# Rip Current Risk



**Low**

Life threatening rip currents often occur in the vicinity of inlets, groins, jetties, and piers. Always supervise those who cannot swim and remember to heed the advice of the local beach patrol and flag warning systems.

**Moderate**

Swim near a lifeguard. Remember to heed the advice of the local beach patrol and flag warning systems.

**High**

The surf is dangerous for all levels of swimmers. Remember to heed the advice of the local beach patrol and flag warning systems.

Go to [www.weather.gov/beach/mhx](http://www.weather.gov/beach/mhx) for the latest surf & rip current forecast

For updates call the forecaster on Duty  
(252) 223-5122 x5

References:

[NWS Newport/Morehead City Webpage](#)

[WPC Rainfall Forecasts \(QPF\)](#)

[National Hurricane Center](#)

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