

Wednesday, September 4, 2019 – 9:00 am

As of the 5am National Hurricane Center (NHC) forecast update, Dorian has sustained winds of 105mph (CAT2) and was about 90 miles E of Daytona Beach Florida. Dorian is currently moving north northwest at about 8mph. A turn toward the north is forecast by this evening, followed by a turn toward the north-northeast on Thursday morning. The center of Dorian is forecast to move near or over the coast of South Carolina and North Carolina Thursday through Friday morning. Dorian is currently forecast to be a CAT1 storm with maximum winds between 85-90mph as it moves along the North Carolina coast.

Based on this morning's NHC and NWS forecasts here a summary of potential conditions for IOW (Note: while the forecast confidence has improved, all forecast information is highly dependent on the actual track of Dorian and is subject to change based on the actual track.)

Watches. Isle of Wight is currently under a tropical storm watch and a storm surge watch. A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, generally within 48 hours. A storm surge watch means there is the potential for storm surge flooding greater than 3 feet above ground. Storm surge in Hampton Roads is currently forecast in the 2-4 feet range.

Timing. The 5am NHC update has slowed the timing for Dorian impacts slightly. Impacts from Dorian are possible as early as Thursday morning, but the more likely timing is currently Thursday night through Friday afternoon.

Winds. Based on the 5am NHC forecast, IOW still has about a 20-30% chance of seeing tropical force winds and a 0% chance for hurricane force winds. In general, the National Weather Service is forecasting sustained winds in the high 20mph to mid-30mph range with gusts in the 40mph to near 50mph range for IOW. Winds will likely be highest in areas along the IOW/Suffolk border and along the James River. Currently looking like the potential for highest winds may be in the southern end of the county. Note: the actual winds we will see is highly dependent on the actual track of Dorian.

Tornados. Based on NWS forecast information and the current track for Dorian, the chance for tornados is low to none.

Rain. The National Weather Service (NWS) is currently forecasting rains across the county of 3-4" with higher isolated amounts possible. Currently, looking like the areas receiving higher rain amounts could be in the 4-8" range. The majority of the rainfall will likely occur Thursday night into Friday afternoon.

Coastal flooding. Flooding associated with storm surge could begin as early as Thursday night, with highest concerns during Friday's high tides. Moderate to near major tidal flooding is predicted for with Friday night's high tide. – Friday night high tide at Sewell's point is forecast

at 6.2 feet and Jamestown is forecast at 4.8 feet. (High tide on the Pagan River High will occur at: Thursday 4:35pm, Friday 4:58am & 5:38pm)

Blackwater River. Flooding along the Blackwater is not currently expected to be a significant issue. Blackwater river levels are currently forecast to stay below the Action level.






Shelters. Based on the current forecast, IOW does not anticipate opening emergency shelters for Dorian. However, shelter staff are on standby should forecast conditions indicate that shelters are necessary.

Key Take-Aways

Hurricane Dorian

Wakefield, VA
WEATHER FORECAST OFFICE

- ✓ Confidence is **HIGH** that the event will occur
- ✓ Confidence is **INCREASING** regarding exact impacts

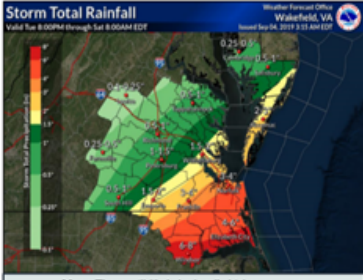
-  Prolonged periods of heavy rainfall could lead to flash flooding for portions Eastern VA and Northeast NC.
-  There is the potential for life threatening winds/wind damage across portions of Eastern VA, Northeast NC, and Southeast MD. The most likely time of arrival is Thursday night into Friday morning based on the current NHC track.
-  There is the potential for surge and tidal flooding, potentially moderate to major in places, late Thursday through Friday in the Bay and along the coast.
-  Tornado potential is low to none based on the current storm track.
-  In addition to strong rip currents and increasingly rough surf, marine conditions will become very dangerous to extreme due to increasing waves and the potential for tropical storm or hurricane force winds Thursday night and Friday.

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Expected Storm Total Rainfall

Hurricane Dorian

Wakefield, VA
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Storm Total Rainfall
Valid Tue 8:00PM through Sat 8:00AM EDT
Issued Sep 04, 2019 3:31 AM EDT

Note: There will likely be locally higher amounts


- Storm Total rainfall forecast valid Thu afternoon through Friday night.
- Locally, most rain will occur Thursday night into Friday afternoon, lingering into Friday night along the coast.

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Wind Threat / Potential Impact

Hurricane Dorian

Wakefield, VA
WEATHER FORECAST OFFICE



There is a potential for:


- Damage to porches, awnings, carports, sheds, and unanchored mobile homes. Unsecured lightweight objects blown about.
- Many large tree limbs broken off. A few trees snapped or uprooted, especially if soils are saturated.
- A few roads will be impassable from debris. Hazardous driving conditions on bridges and other elevated roadways.
- Scattered power and communication outages can be expected.

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Maximum Wind Gusts

Hurricane Dorian

Wakefield, VA
WEATHER FORECAST OFFICE



Maximum Wind Gust
Valid Tue 8:00AM through Fri 8:00PM EDT
Issued Sep 04, 2019 3:22 AM EDT

- Note: These winds are highly dependent on storm track.
- Based on the expected track, wind gusts to 60 to 70 mph are expected along the immediate coast. Farther inland, gusts of 45 to 55 mph are expected over eastern Virginia. Gusts of 30-40 MPH are expected along the Interstate 95 corridor, including Metro Richmond

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