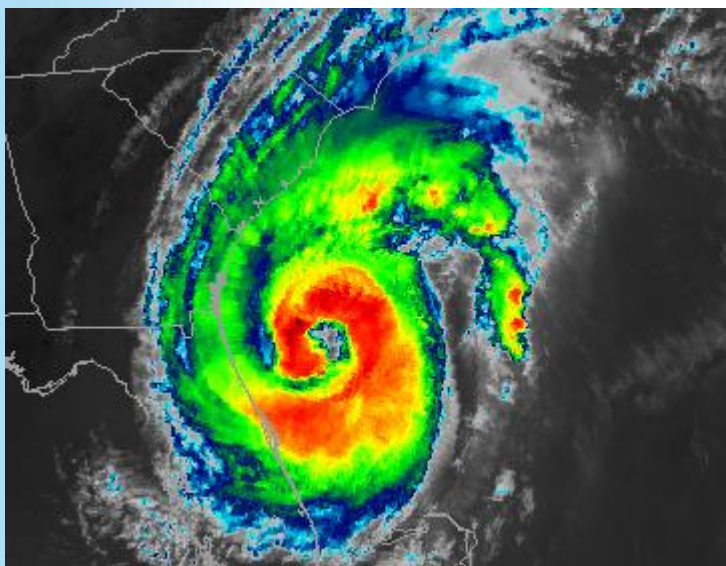


Hurricane Dorian

Flood Briefing # 2

As of: 11 AM Wednesday Sept 4, 2019

Prepared by: Rick Neuherz, Hydrologist



What has changed?

- ✓ Moderate flooding forecast on the NE Cape Fear River near Burgaw and the Waccamaw River at Conway

Flood Potential Key Points

- ⚡ At this time, forecast rainfall for Dorian is expected to result in moderate flooding on the NE Cape Fear River near Burgaw and the Waccamaw River at Conway.
- ⚡ Ensemble river forecasts indicate that minor to moderate river flooding is possible at several other river forecast points around the area and that major flooding is possible on the NE Cape Fear and Waccamaw Rivers.
- ⚡ Flash Flooding may be worsened by elevated tide levels due to storm surge working into creeks and streams, limiting those creeks and streams ability to handle runoff.
- ⚡ People with interests along area waterways are encouraged to prepare for minor to moderate flooding even if it is not currently forecast for their location.
- ⚡ Please visit the following website to monitor river flood forecasts:

<https://water.weather.gov/ahps2/forecasts.php?wfo=ilm>

Hurricane Dorian River Flood Potential

River Forecast Point	Current River Forecast through 5 days based on expected rainfall	Plausible Worst Case Flooding through 9/11 for Hurricane Dorian
Cape Fear River at William O Huske Lock and Dam	No Flooding	Just below Minor (Action Stage)
Cape Fear River at Elizabethtown	No Flooding	Just below Minor (Action Stage)
Cape Fear River at Lock 1 near Kelly	No Flooding	Just below Minor (Action Stage)
Northeast Cape Fear River near Burgaw	Moderate	High Moderate to Major
Lumber River at Lumberton	Just below Minor (Action Stage)	High Minor to Moderate
Black Creek near Quinby	Just below Minor (Action Stage)	Minor
Pee Dee River at Pee Dee	No Flooding	No Flooding
Lynches River at Effingham	No Flooding	No Flooding
Black River at Kingstree	No Flooding	Just below Minor (Action Stage)
Little Pee Dee River at Galivants Ferry	Just below Minor (Action Stage)	Moderate
Waccamaw River at Conway	Moderate	Major



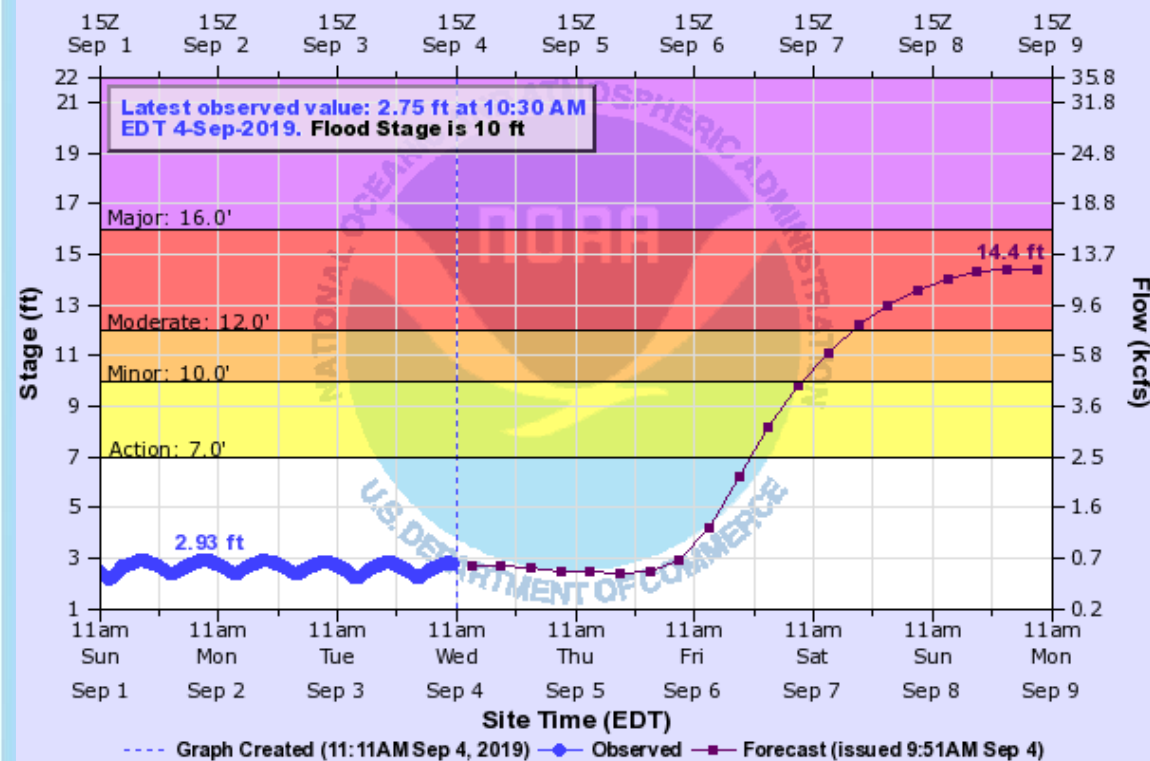
The center column indicates the current river forecast level due to rainfall expected from Hurricane Dorian. The right column indicates the highest plausible worst case flood level for Hurricane Dorian based on ensemble river forecasts.



River Forecast 11 AM Sept 4, 2019

N.E. CAPE FEAR RIVER NEAR BURGAW

Universal Time (UTC)



BGWN7(plotting HGIRG) "Gage 0" Datum: -0.96'

Observations courtesy of US Geological Survey

Rise to minor flood early Saturday and crest in moderate flood early next week.

River Flood Impacts vs Stage

22.4 12 miles of Highway 53 are underwater, in some cases 7 feet deep, between the Northeast Cape Fear bridge and Maple Hill. All homes including 60 in River Bend, 20 to 25 in River Birch and 12 in the Alligator Lake subdivision are flooded. 20 to 30 homes in Holly Shelter estates are underwater. In the Sandy Bend subdivision, off Shaw Highway, 40 to 50 homes, which is half of the homes in the subdivision sustain flooding. Portions of Croombsbridge, Island Creek and White Stocking Roads are underwater.

16.5 White Stocking Road is closed and floodwaters begin to get into the homes in this area. Highway 53 is closed adjacent to the river. Stag Park Road has water 2 feet deep on it and becomes impassable.

16 Water begins to get into homes, including those that are elevated, in the River Birch and River Bend subdivisions. Floodwaters also get into homes on Croombsbridge Road.

15.25 The approaches to the bridge at Lanes Ferry on Highway 210 may be flooded. Much of White Stocking Road is closed. At the wildlife ramp on Shaw Highway, ramp is underwater and parking lot is half full of water.

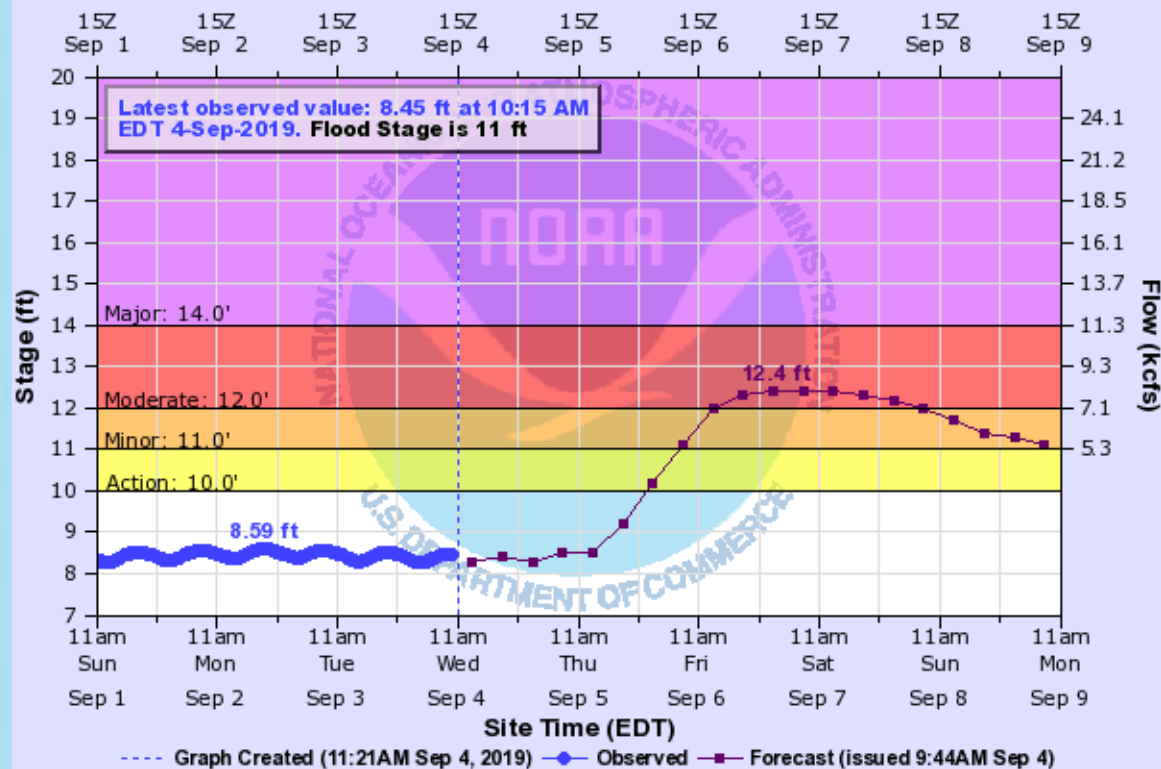
14 Floodwaters cause portions of Shaw Highway to be closed between Carl Meeks Road and Lillington Lane. White Stocking Road is also closed from Chorley Road to Mack Williams Lane. Flooding worsens on Highways 210 and 53 but roads remain open.

River Forecast 11 AM Sept 4, 2019

River Flood Impacts vs Stage

WACCAMAW RIVER NEAR CONWAY

Universal Time (UTC)



- 15 Residential flooding will continue to worsen. The Conway Marina will be flooded. Railroad trestles in downtown Conway will flood at 15.9 feet.
- 14 Flood waters will worsen and affect several residential properties and roads at Riverfront South, Lees Landing, Savannah Bluff, Pitch Landing, Jackson Bluff and Bucksville.
- 13 Flooding will occur in residential areas off Business 501, Highway 905 and Highway 90. Water levels one foot deep will surround approximately 20 homes in the Savannah Bluff area. Flood waters will also surround homes in the Lees Landing, Pitch Landing and Riverfront South communities. Flooding will occur near a few homes on Oak Street as well as at Punch Bowl and Pitch Landing.
- 12 Flooding will worsen in the Lees Landing, Riverfront South, Pitch Landing and Savannah Bluff communities. Flood waters will begin to affect homes north of Conway on Riverside Drive. Swamps will be heavily flooded.
- 11 Water will begin to cause minor flooding of yards and a few roads in the Lees Landing, Pitch Landing, Savannah Bluff, and Riverfront South communities. Overflow of vast uninhabited swamp and natural boat landings will occur.

Rise to minor flood early Friday and crest in moderate flood over the weekend.

Contact Information



The next briefing will be issued by 1 PM Thursday.



Web:

<http://weather.gov/ilm>



E-mail:

nws.ilm.operations@noaa.gov



Facebook:

[NWSWilmingtonNC](https://www.facebook.com/NWSWilmingtonNC)



Twitter:

[@NWSWilmingtonNC](https://twitter.com/NWSWilmingtonNC)