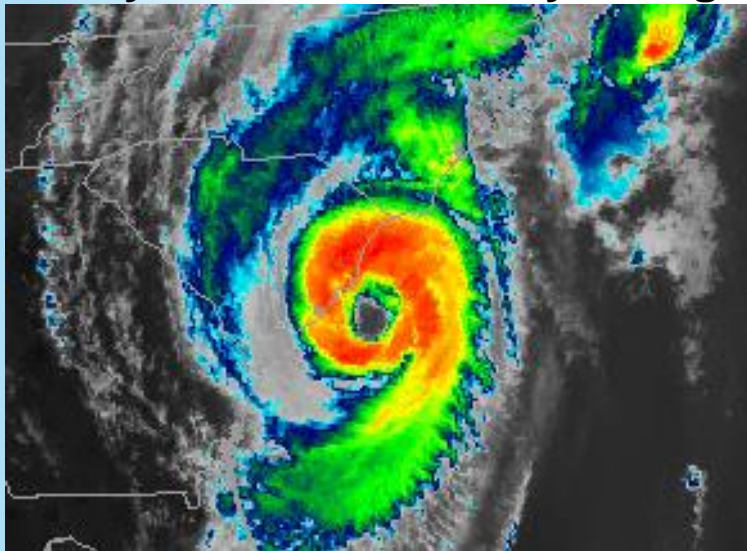


Hurricane Dorian

Flood Briefing # 4

As of: Noon Thursday Sept 5, 2019

Prepared by: Rick Neuherz, Hydrologist



What has changed?

- ✓ Major flooding expected on the Waccamaw River at Conway and NE Cape Fear River near Burgaw.
- ✓ Moderate flooding forecast on the Little Pee Dee River at Galivants Ferry.
- ✓ Minor Flooding forecast on the Lumber River at Lumberton and Black Creek near Quinby.

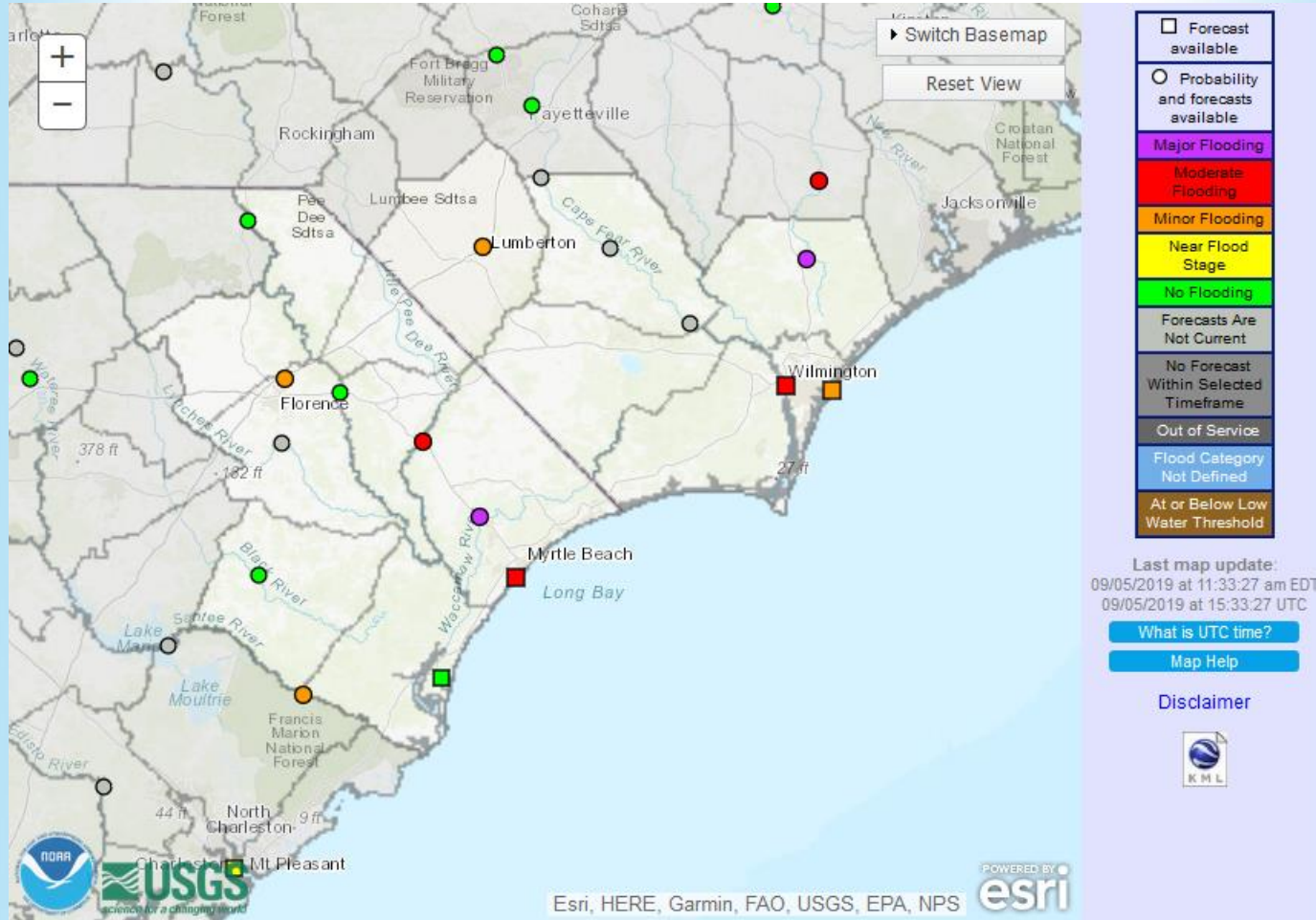
Flood Potential Key Points

- ⚡ River forecasts are using forecast rainfall. Observed rainfall from Dorian may be different than forecast resulting in different river conditions than forecast. Due to this uncertainty, people with interests along area waterways where flooding is not currently forecast are encouraged to prepare for minor to moderate flooding.
- ⚡ Major Flooding expected on the NE Cape Fear River near Burgaw and the Waccamaw River at Conway.
- ⚡ Moderate flooding is forecast for the Little Pee Dee River at Galivants Ferry.
- ⚡ Minor flooding is forecast for the Lumber River at Lumberton and Black Creek near Quinby.
- ⚡ Flooding is not forecast on the Lynches River at Effingham, Black River at Kingstree, Pee Dee River at Pee Dee, and along the Cape Fear River at William O Huske, Elizabethtown, and Lock1 near Kelly.
- ⚡ 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.
- ⚡ Please visit the following website to monitor river flood forecasts:

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



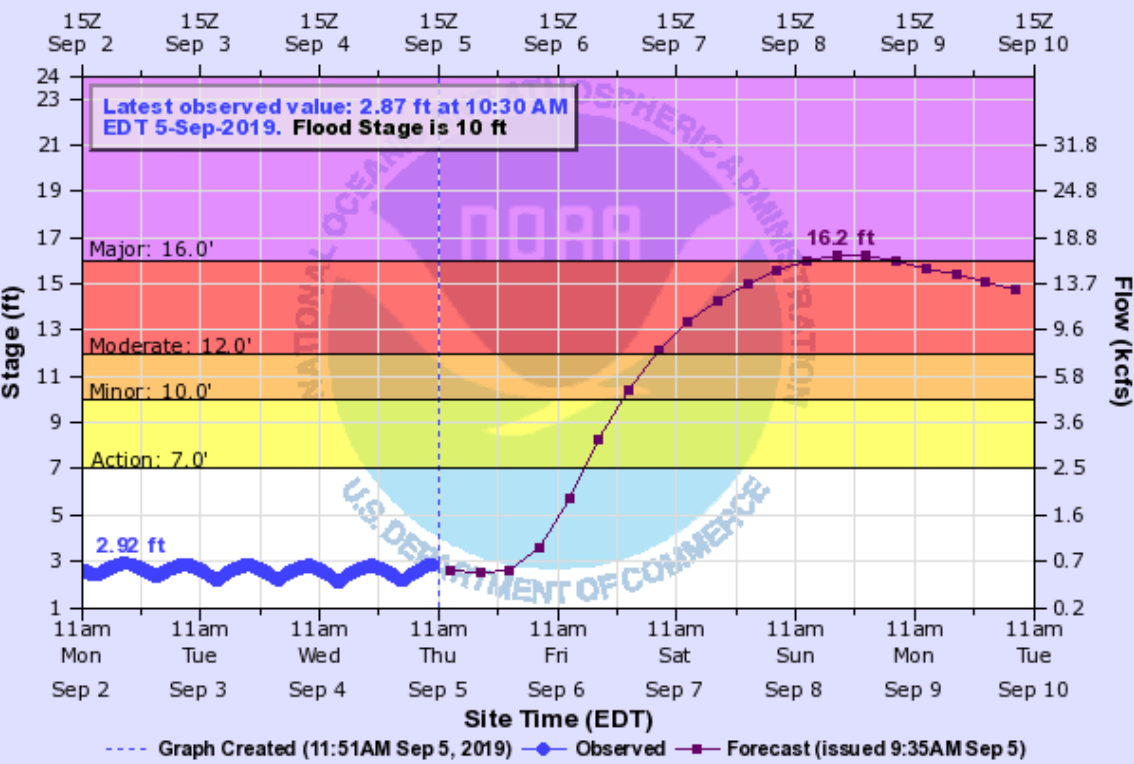
Hurricane Dorian River Flood Forecasts



River Forecast Noon Sept 5, 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 late Friday or early Saturday and crest in major flood Sunday or Sunday night.

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.

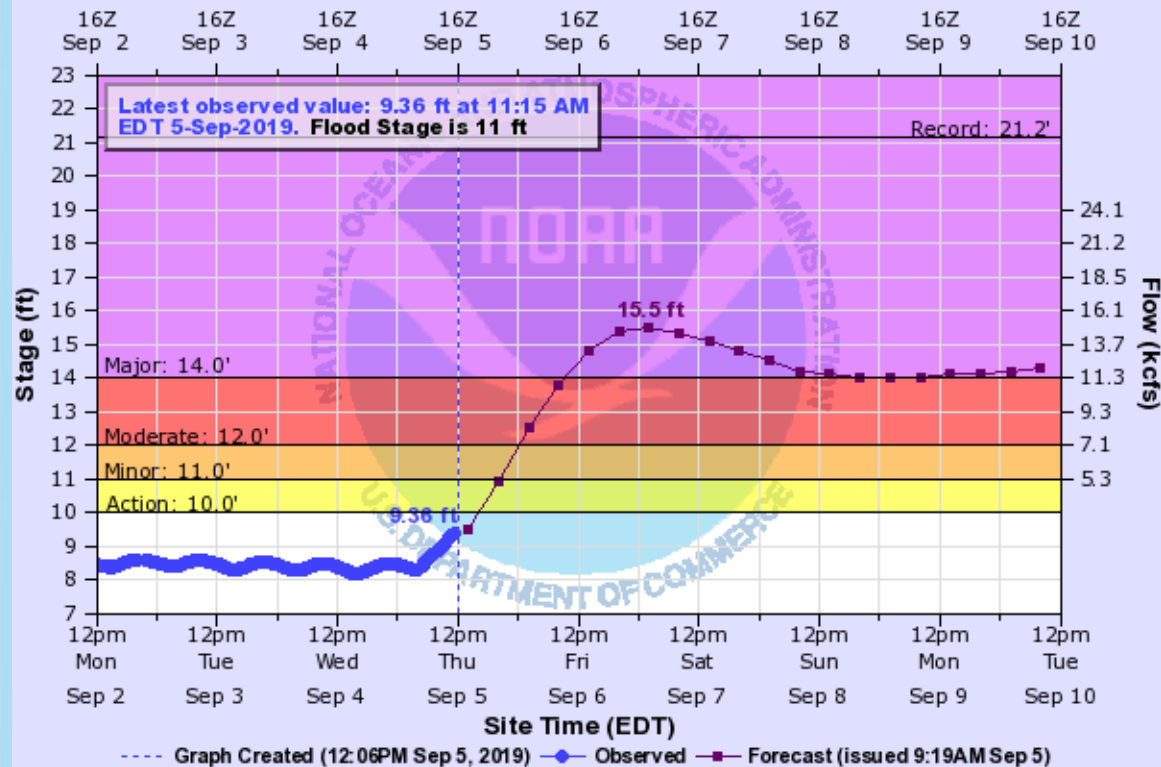
15.25 The approaches to the bridge at Lanes Ferry on Highway 210 may be flooded. Much of White Stocking Road is closed. At the wildlife ramp on Shaw Highway, ramp is underwater and parking lot is half full of water.

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 Noon Sept 5, 2019

WACCAMAW RIVER NEAR CONWAY

Universal Time (UTC)



River Flood Impacts vs Stage

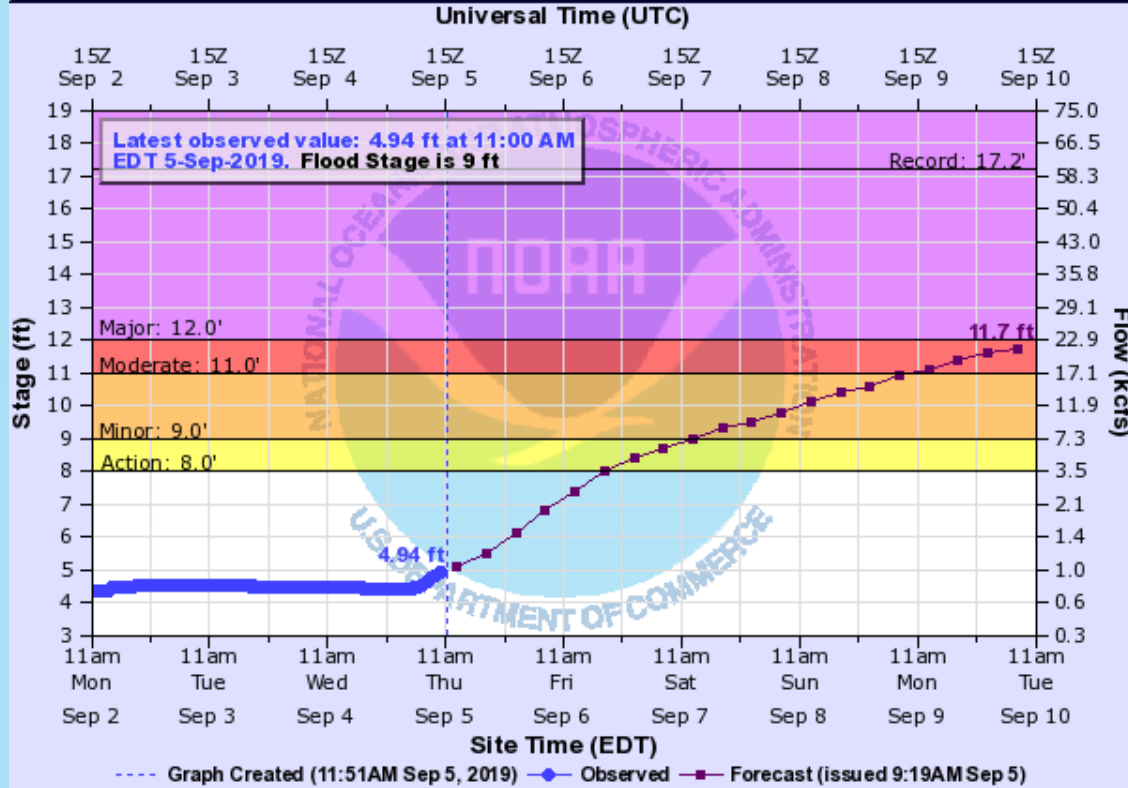
- 15 Residential flooding will continue to worsen. The Conway Marina will be flooded. Railroad trestles in downtown Conway will flood at 15.9 feet.
- 14 Flood waters will worsen and affect several residential properties and roads at Riverfront South, Lees Landing, Savannah Bluff, Pitch Landing, Jackson 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.

CNWS1 (plotting HGIRG) "Gage 0" Datum: -5.06' | Observations courtesy of US Geological Survey

Rise to minor flood tonight and crest in major flood Friday night or Saturday. River could remain at or above major flood into the middle of next week.

River Forecast Noon Sept 5, 2019

LITTLE PEE DEE RIVER NEAR GALIVANTS FERRY



GALS1(plotting HGIRG) "Gage 0" Datum: 23.95'

Observations courtesy of US Geological Survey

River could reach major flood by the middle of next week. In the meantime, it is expected to rise to minor flood Saturday and moderate flood Monday.

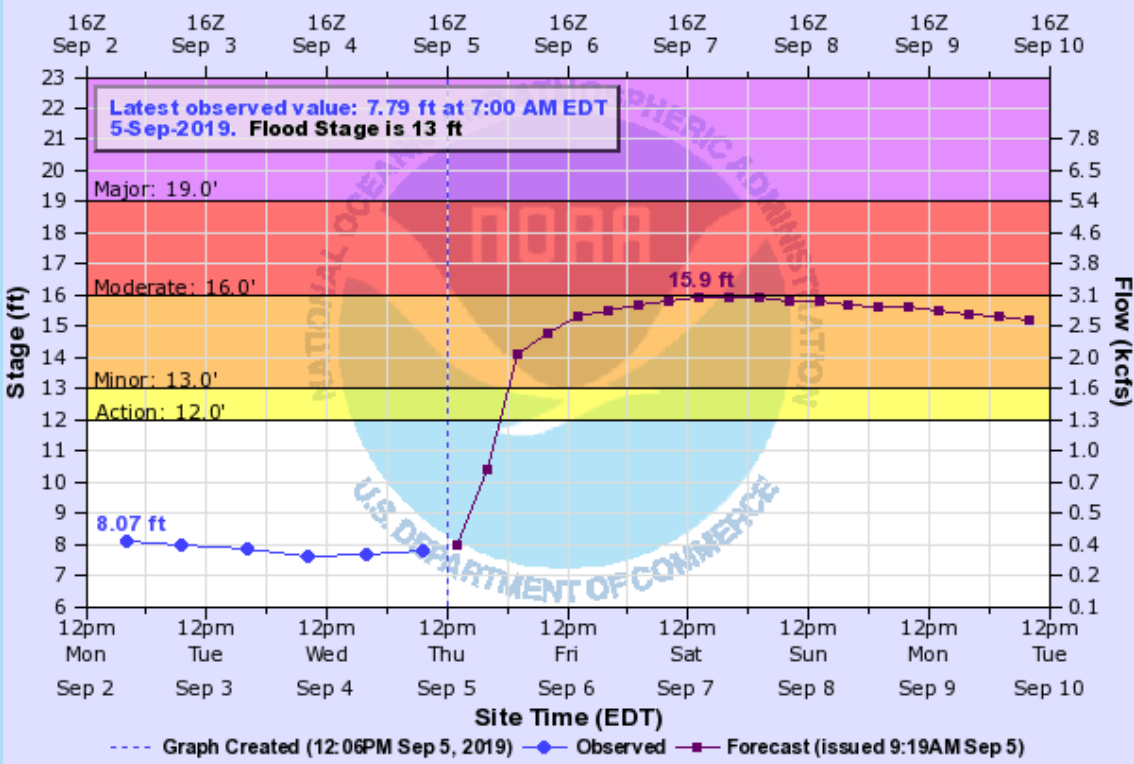
River Flood Impacts vs Stage

- 12 Flood waters will affect 30 to 40 homes in the Fork Retch community near Nichols.
- 11 Flood waters will continue to rise in the Fork Retch community located near Nichols. Flood waters will begin to affect some homes at Fork Retch. Swampland flooding will increase.
- 9 Flood waters will begin to affect residential yards in the Fork Retch community upstream of Galivant's Ferry near the town of Nichols. Swampland flooding becomes noticeable and natural boat landings will be flooded.
- 8 The river is at bank-full. Some minor flooding will occur in low lying areas.

River Forecast Noon Sept 5, 2019

LUMBER RIVER AT LUMBERTON

Universal Time (UTC)



LBRN7(plotting HGIRZ) "Gage 0" Datum: 100'

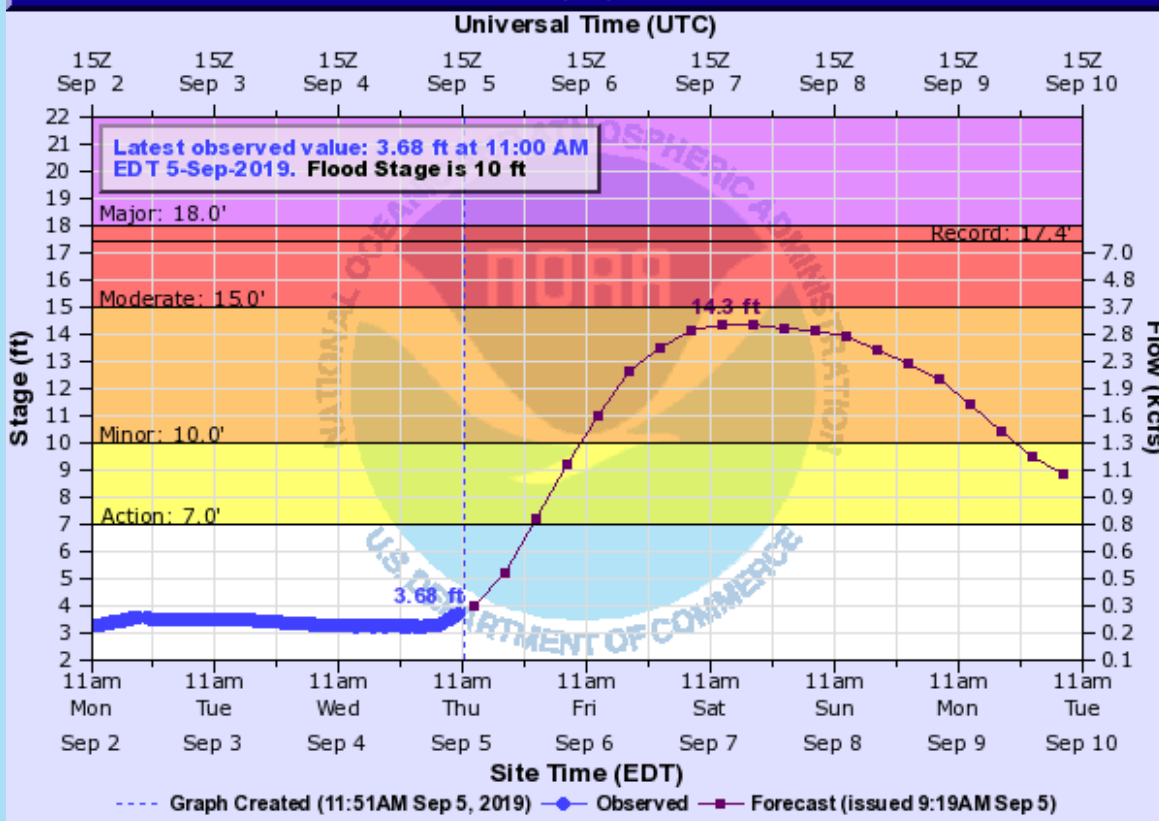
Rise to minor flood tonight and crest near moderate flood Saturday or Saturday night.

River Flood Impacts vs Stage

- 20 Floodwaters come within 40 feet of the Pepsi plant on Chippewa Street. Flooding deepens in the Pines Area, Coxs Pond, along River Road and between the Pepsi plant and the river. Portions of Cox Road will become impassable. Flood waters affect areas along Planetarium Road including the Robeson County schools facility. West Carthage Road will be impassable near McMillan's Beach Road. Kenric Drive will be flooded. Areas along Hester Drive off West 5th Street will experience minor flooding.
- 19 Extensive flooding occurs along the river. Over 50 dwellings will be inundated or isolated due to the flood waters and several roads will be closed especially in the Pines area and Coxs Pond area. Carthage Road may be completely covered with water.
- 18 Flood waters deepen in the Pines and Coxs Pond areas as well as along River Road. Flood waters may affect Carthage Road. Several homes will become isolated or inundated between the Pepsi plant and the river. Chickenfoot Road, Hestertown Road and Noir Street will be closed.
- 17 Flooding worsens west of Interstate 95 and water may begin surrounding homes in the Pines and Coxs Pond areas. Homes off River Road may become isolated by flood waters. Water may also affect yards off Planetarium Road and fields off deep Branch Road. East of Lumberton, the lowest homes in the Pines area may be flooded and homes may be surrounded by water in the Pines area and between the Pepsi plant and the river. Chickenfoot Road, Noir Street and Hestertown Road may be impassable.

River Forecast Noon Sept 5, 2019

BLACK CREEK (SC) NEAR QUINBY



BCRS1(plotting HGIRG) "Gage 0" Datum: 170' | Observations courtesy of US Geological Survey

Rise to minor flood Friday and crest in minor flood Saturday.

River Flood Impacts vs Stage

- 18 Water several feet deep in numerous homes on Creekside Drive, East Black Creek Road, and Crooked Creek Drive.
- 16 Floodwaters deepen on Creekside Drive, East Black Creek Road, and Crooked Creek Drive. Flood waters spread onto Cyprus Bend Road into the Country Club of South Carolina.
- 15 Floodwaters enter numerous homes on Creekside Drive, East Black Creek Road and Crooked Creek Drive.
- 14 Floodwaters surround the majority of homes on East Black Creek Road, Creekside Drive and Crooked Creek Drive and all residents are isolated due to the floodwaters. Water is lapping at the foundations of all ground level homes in these areas.
- 13.5 Floodwaters begin to affect one mobile home on Creekside Drive and continue to rise in yards.
- 13 Floodwaters spill over into all yards of residences on Creekside Drive, Crooked Creek Drive and East Black Creek Road. The creek spills over its banks off Highway 327 in the Country Club of South Carolina. Floodwaters affect some yards of residences in the Country Club of South Carolina.
- 12.5 Floodwaters continue to rise on Creekside Drive and East Black Creek Road with water nearing a few homes. Homes along East Black Creek Road become isolated and residents must use boats to exit the neighborhood.
- 11.5 Floodwaters spill over into yards of all residences on Creekside Drive.
- 11 Floodwaters affect Creekside Drive in Quinby. Water begins to get into residents' yards on Creekside Drive and East Black Creek Road.

Contact Information



The next briefing will be issued by 1 PM Friday unless expectations change.



Web:
<http://weather.gov/ilm>



E-mail:
nws.ilm.operations@noaa.gov



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