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## Hurricane Florence Public Advisory

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WTNT31 KNHC 141158  
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### BULLETIN

Hurricane Florence Intermediate Advisory Number 60A  
NWS National Hurricane Center Miami FL AL062018  
800 AM EDT Fri Sep 14 2018

...FLORENCE MAKES LANDFALL NEAR WRIGHTSVILLE BEACH NORTH CAROLINA...  
...LIFE-THREATENING STORM SURGES AND HURRICANE-FORCE WINDS  
CONTINUE...  
...CATASTROPHIC FRESHWATER FLOODING EXPECTED OVER PORTIONS OF NORTH  
AND SOUTH CAROLINA...

### SUMMARY OF 800 AM EDT...1200 UTC...INFORMATION

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LOCATION...34.1N 77.9W  
ABOUT 10 MI...15 KM S OF WILMINGTON NORTH CAROLINA  
ABOUT 65 MI...105 KM SW OF MYRTLE BEACH SOUTH CAROLINA  
MAXIMUM SUSTAINED WINDS...90 MPH...150 KM/H  
PRESENT MOVEMENT...WNW OR 260 DEGREES AT 6 MPH...9 KM/H  
MINIMUM CENTRAL PRESSURE...958 MB...28.29 INCHES

### WATCHES AND WARNINGS

#### CHANGES WITH THIS ADVISORY:

None.

#### SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...  
\* South Santee River South Carolina to Duck North Carolina  
\* Albemarle and Pamlico Sounds, including the Neuse and Pamlico  
Rivers

A Storm Surge Watch is in effect for...  
\* Edisto Beach South Carolina to South Santee River South Carolina

A Hurricane Warning is in effect for...  
\* South Santee River South Carolina to Duck North Carolina  
\* Albemarle and Pamlico Sounds

A Hurricane Watch is in effect for...  
\* Edisto Beach South Carolina to South Santee River South Carolina

A Tropical Storm Warning is in effect for...  
\* North of Duck North Carolina to Cape Charles Light Virginia  
\* Chesapeake Bay south of New Point Comfort  
\* Edisto Beach South Carolina to South Santee River South Carolina

Interests elsewhere in the southeastern and mid-Atlantic states  
should monitor the progress of Florence.miles/hr

A Storm Surge Warning means there is a danger of life-threatening  
inundation, from rising water moving inland from the coastline. For  
a depiction of areas at risk, please see the National Weather  
Service Storm Surge Watch/Warning Graphic, available at  
hurricanes.gov.

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area, in this case within the next 24 hours.

A Hurricane Watch means that hurricane conditions are possible within the watch area.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

#### DISCUSSION AND OUTLOOK

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At 800 AM EDT (1200 UTC), the center of the eye of Hurricane Florence was located by NOAA Doppler weather radars and surface observations to be just inland near latitude 34.1 North, longitude 77.9 West. Florence is moving toward the west near 6 mph (9 km/h). A slow westward to west-southwestward motion is expected today through Saturday. On the forecast track, the center of Florence will move further inland across extreme southeastern North Carolina and extreme eastern South Carolina today and Saturday. Florence will then move generally northward across the western Carolinas and the central Appalachian Mountains early next week.

Maximum sustained winds remain near 90 mph (150 km/h) with higher gusts. Gradual weakening is forecast later today and tonight. Significant weakening is expected over the weekend and into early next week while Florence moves farther inland.

Hurricane-force winds extend outward up to 80 miles (130 km) from the center and tropical-storm-force winds extend outward up to 195 miles (315 km). A wind gust to 105 mph (169 km/h) recently occurred at the Wilmington Airport, an Amateur Radio operator in Kirkland recently reported a wind gust to 98 mph (158 km/h), and a wind gust of 95 mph (153 km/h) was also recently reported by a Weatherflow private weather station at Federal Point.

The minimum central pressure estimated from surface data from the NOAA NOS observing site at Johnny Mercer Pier in Wrightsville Beach is 958 mb (28.29 inches).

#### HAZARDS AFFECTING LAND

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**STORM SURGE:** The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water has the potential to reach the following heights above ground...

Cape Fear NC to Cape Lookout NC...7-11 ft, with locally higher amounts in the Neuse, Pamlico, Pungo, and Bay Rivers  
Cape Lookout NC to Ocracoke Inlet NC...6-9 ft  
South Santee River SC to Cape Fear NC...4-6 ft  
Ocracoke Inlet NC to Salvo NC...4-6 ft  
Salvo NC to Duck NC...2-4 ft  
Edisto Beach SC to South Santee River SC...2-4 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

**RAINFALL:** Florence is expected to produce heavy and excessive rainfall in the following areas...

Southeastern coastal North Carolina into far northeastern South Carolina...an additional 20 to 25 inches, with isolated storm totals of 30 to 40 inches. This rainfall will produce catastrophic flash flooding and prolonged significant river flooding.

Remainder of South Carolina and North Carolina into southwest

Virginia...5 to 10 inches, isolated 15 inches. This rainfall will produce life-threatening flash flooding.

TORNADOES: A few tornadoes are possible in eastern North Carolina today.

SURF: Swells generated by Florence are affecting Bermuda, portions of the U.S. East Coast, and the northwestern and central Bahamas. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

Next complete advisory at 1100 AM EDT.

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Forecaster Stewart

Quick Links and Additional Resources

TROPICAL CYCLONE FORECASTS

- Tropical Cyclone Advisories
Tropical Weather Outlook
Audio/Podcasts
About Advisories

MARINE FORECASTS

- Offshore Waters Forecasts
Gridded Forecasts
Graphicast
About Marine

SOCIAL MEDIA

- Facebook
Twitter
YouTube
NHC Blog: "Inside the Eye"

HURRICANE PREPAREDNESS

- Preparedness Guide
Hurricane Hazards
Watches and Warnings
Marine Safety
Ready.gov Hurricanes
Weather-Ready Nation
Emergency Management Offices

RESEARCH AND DEVELOPMENT

- NOAA Hurricane Research Division
Joint Hurricane Testbed
Hurricane Forecast Improvement Program

OTHER RESOURCES

- Q & A with NHC
NHC/AOML Library Branch
NOAA: Hurricane FAQs
National Hurricane Operations Plan
WX4NHC Amateur Radio

NWS FORECAST OFFICES

- Weather Prediction Center
Storm Prediction Center
Ocean Prediction Center
Local Forecast Offices
Central Pacific Hurricane Center

WORLDWIDE TROPICAL CYCLONE CENTERS

- Canadian Hurricane Centre
Joint Typhoon Warning Center
Other Tropical Cyclone Centers
WMO Severe Weather Info Centre



US Dept of Commerce
National Oceanic and Atmospheric Administration
National Hurricane Center
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