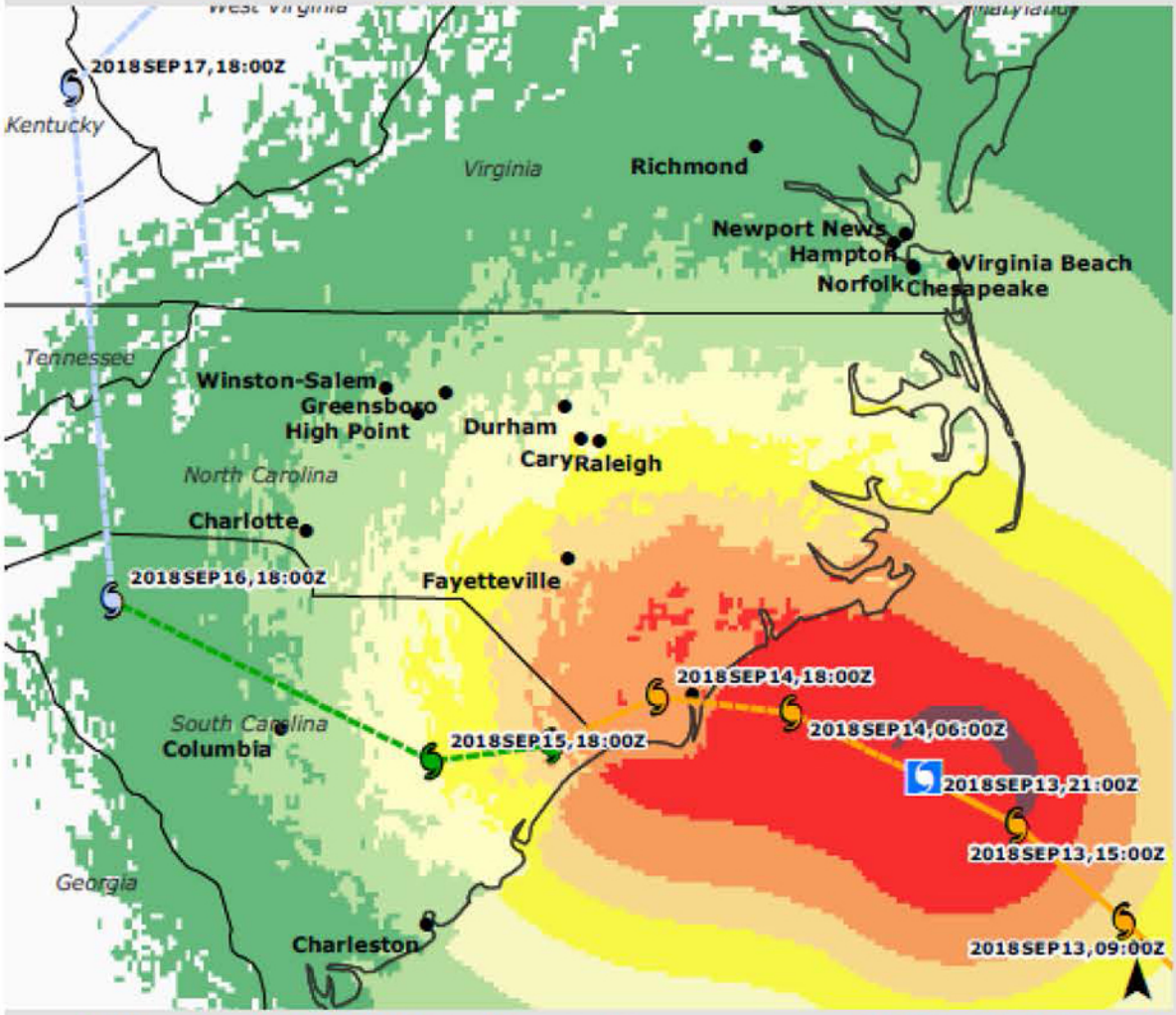
Hurricane Florence - Estimated Impacts

Advisory 58, 13 September 2018 2100 UTC

PDC-6A-58A

NWS Summary: At 500 PM EDT (2100 UTC), data from NOAA Doppler weather radars indicate that the center of the eye of Florence was located near latitude 33.7 North, longitude 76.2 West.Florence is moving toward the west-northwest near 5 mph (7 km/h), and this general motion is forecast to continue into Friday.A slow westward to west- southwestward motion is expected Friday night and Saturday.On the forecast track, the center of Florence will approach the coasts of North and South Carolina later tonight, then move near or over the coast of southern North Carolina and northeastern South Carolina in the hurricane warning area on Friday.A slow motion across portions of eastern and central South Carolina is forecast Friday night through Saturday night. Doppler radar data indicate that maximum sustained winds have decreased to near 100 mph (155 km/h) with higher gusts.Little change in strength is expected before the eye of Florence reaches the coast, with slow weakening expected after the center moves inland or meanders near the coast.More significant weakening is forecast on Saturday as Florence moves farther inland over central South Carolina. 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 NOAA reporting station at Cape Lookout, North Carolina, recently reported a sustained wind of 68 mph (109 km/h) and a gust to 85 mph (137 km/h)...

Estimated Wind Impacts



Tropical Cyclone Positions

- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

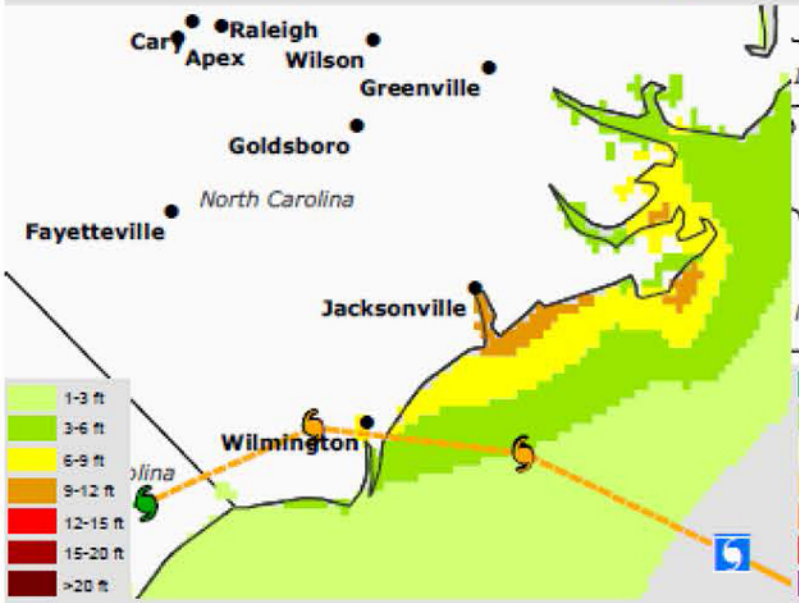
Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

0 37.5 75 150 Miles

0 37.5 75 150 Kilometers

Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall