

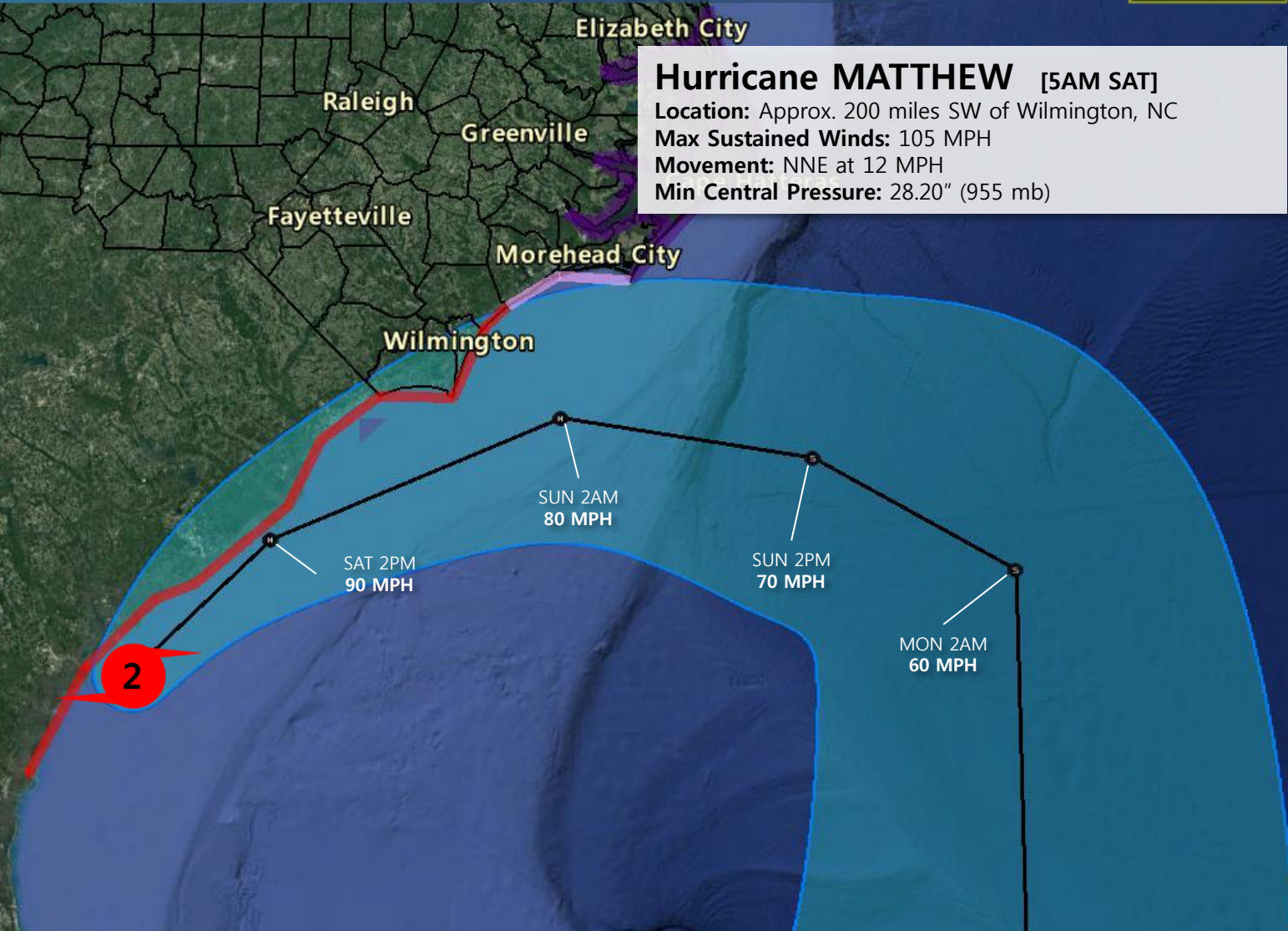
TROPICAL WEATHER OUTLOOK

Valid Saturday, October 08, 2016



Hurricane MATTHEW [5AM SAT]

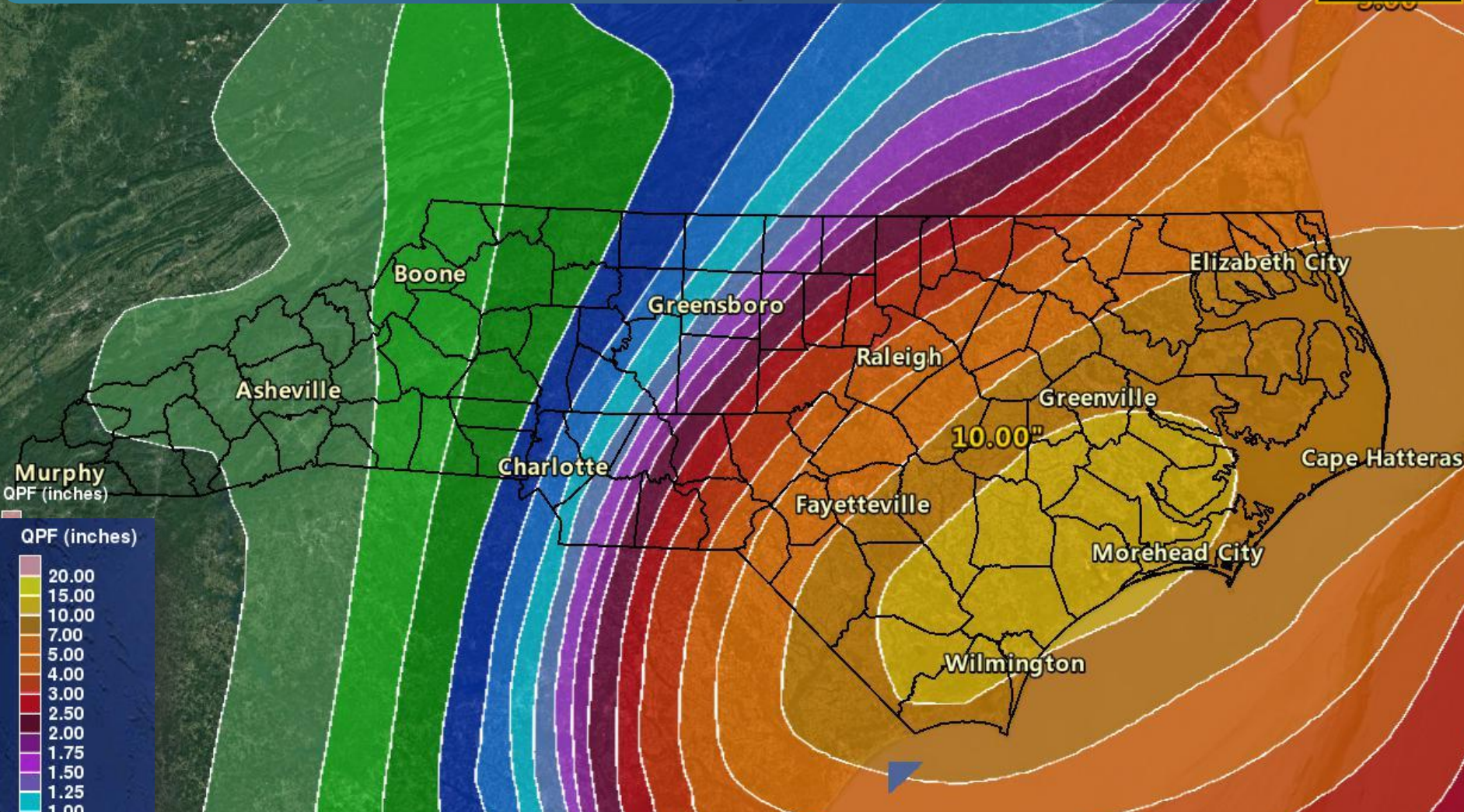
Location: Approx. 200 miles SW of Wilmington, NC
Max Sustained Winds: 105 MPH
Movement: NNE at 12 MPH
Min Central Pressure: 28.20" (955 mb)



- **Hurricane Warning:** North of the NC/SC border to Surf City
- **Tropical Storm Warning:** North of Surf City to Duck (including Pamlico & Albemarle Sounds)
- **Hurricane Watch:** North of Surf City to Cape Lookout

48-HOUR PRECIPITATION FORECAST

Valid 8:00AM Saturday, October 8 – 8:00AM Monday, October 10

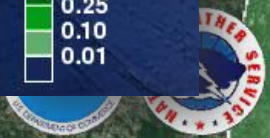


Murphy
QPF (inches)



Extremely dangerous rainfall across portions of central and eastern NC will cause flooding and a significant threat to life and property.

Widespread rainfall amounts of 10-15" across southeastern North Carolina



data:SIQ, NOAA, U.S. Navy, NGA, GEBCO

Google Earth

EXPECTED WIND IMPACTS



Gusts 20-30 MPH
30-45 MPH in
Higher Elevations

Gusts 30-40 MPH

Gusts 40-50 MPH

Sustained 35-45 MPH
Gusts 50-60 MPH

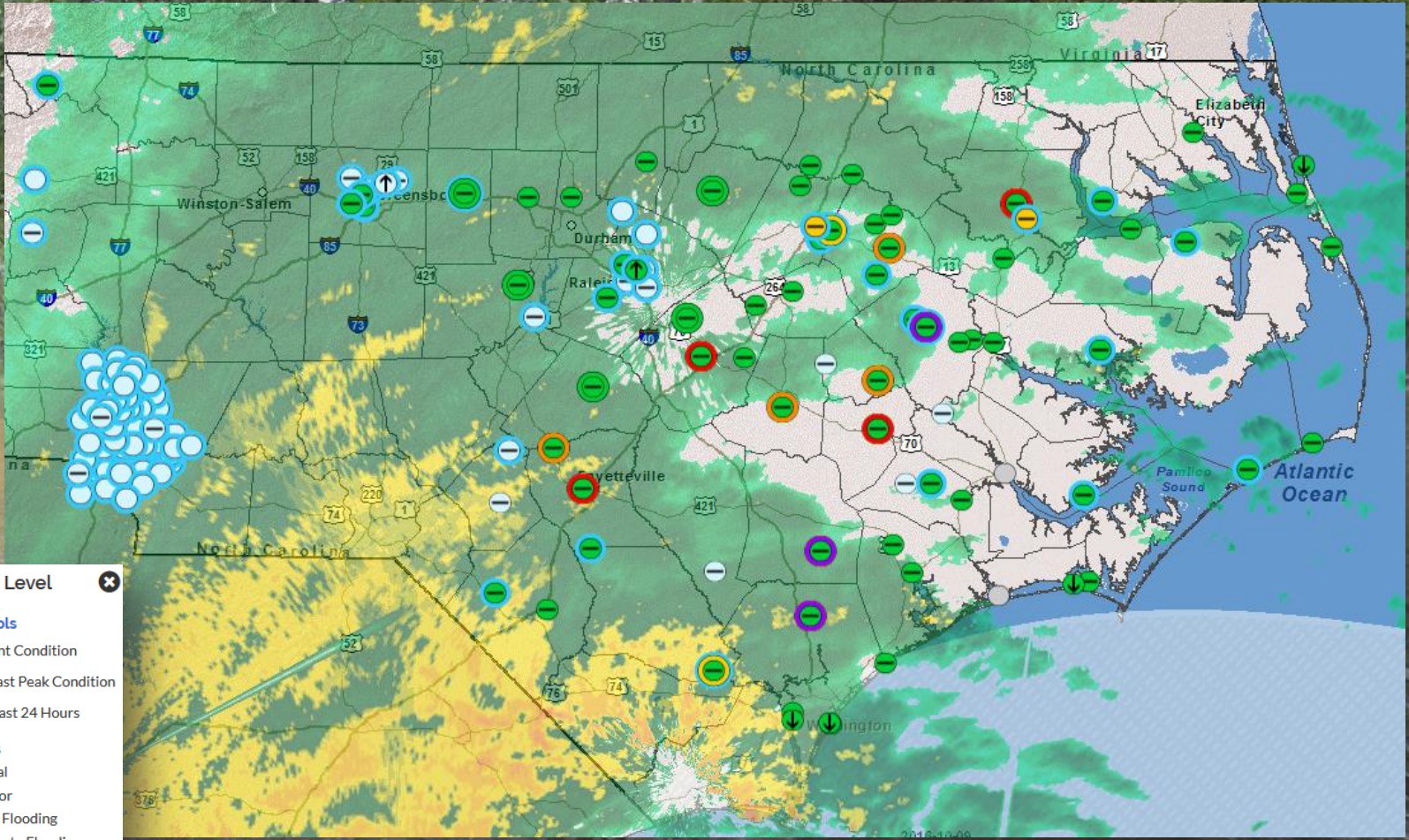
Sustained 50-65
Gusts 75-85 MPH

Strongest winds expected Saturday through Sunday afternoon.

Strong winds will persist across the Outer Banks through Sunday night. Winds coupled with wet ground will result in widespread downed trees, power outages and some damage to structures.

RIVER FLOOD OUTLOOK

Valid Saturday, October 08, 2016



Gage Level

Gage Symbols

- Current Condition
- Forecast Peak Condition
- Rain Last 24 Hours

Risk Ratings

- Normal
- Monitor
- Minor Flooding
- Moderate Flooding
- Major Flooding
- Not Risk Rated
- Out of Service

Trend

- Rising
- Falling
- Constant

HAZARDS SUMMARY

HURRICANE MATTHEW

Valid Saturday, October 08, 2016



HAZARD	DETAILS	THREAT
Storm Surge 2-6' including Sounds	Location: Coastal NC Impacts: Damage to vulnerable buildings, coastal roads flooded Timing: Saturday – Sunday night	High
Inland Flooding SE: 10-15"+; NE: 5-10" Central NC: 4-7"	Location: Eastern and Central NC Impacts: Sig. threat to life and property; impassable roads; road wash-outs Timing: Saturday – Sunday night (Heaviest rain Sat and Sat night)	Extreme
Damaging Winds 45-65 MPH, G to 75 MPH Lesser amounts inland	Location: Southeastern NC Impacts: Downed trees, widespread power outages, structure damage Timing: Saturday – Sunday	High
Tornadoes Conditions are now more favorable for isolated tornadoes	Location: Southeastern NC Impacts: Downed power lines, disrupted communications, structure damage Timing: Saturday – Sunday	Moderate
Overwash & Beach Erosion	Location: Coastal NC Impacts: Significant beach erosion; isolated areas of overwash Timing: Saturday – Sunday evening	High
Heavy Surf & Rip Currents	Location: Coastal NC Impacts: High threat for strong rip currents and heavy surf Timing: Saturday – Wednesday	Extreme