



Tropical Storm Ana

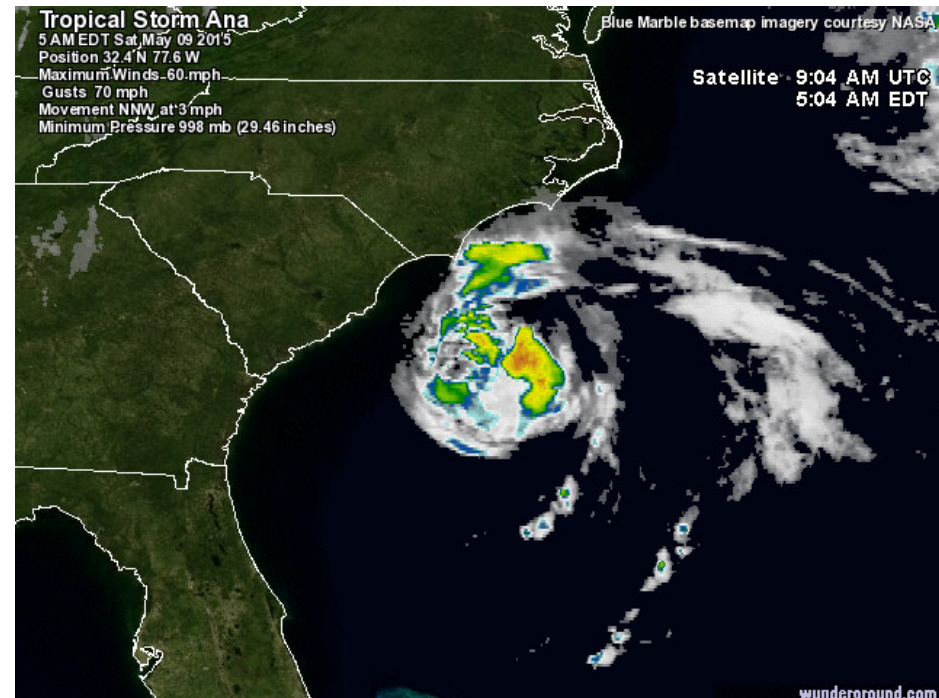
Threat Assessment for Eastern North Carolina

Created **6:00 AM Sat. May 9, 2015**

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New Information

- ❑ **Tropical Storm Warnings** in effect for Carteret and Onslow Counties and the coastal waters south of Cape Lookout.
- ❑ Tropical Storm Ana off the Southeast coast is moving toward the north-northwest near 3 mph. A turn toward the northwest and then back to the north at a slightly faster forward speed is expected over the next 48 hours. On the forecast track, the center will be near the coasts of South and North Carolina by Sunday morning.
- ❑ Little additional strengthening is forecast through today. A gradual weakening trend is likely to begin tonight as Ana moves over the colder shelf waters.

Storm Position/Information



Advisory Time:

5 AM EDT May 9 2015

Position:

32.4 North 77.6 West, 115 miles southeast of Myrtle Beach.

Intensity:

Sustained winds are near 60 **mph (Tropical Storm)**. Little change in strength is expected today then a gradual weakening trend is expected tonight.

Movement:

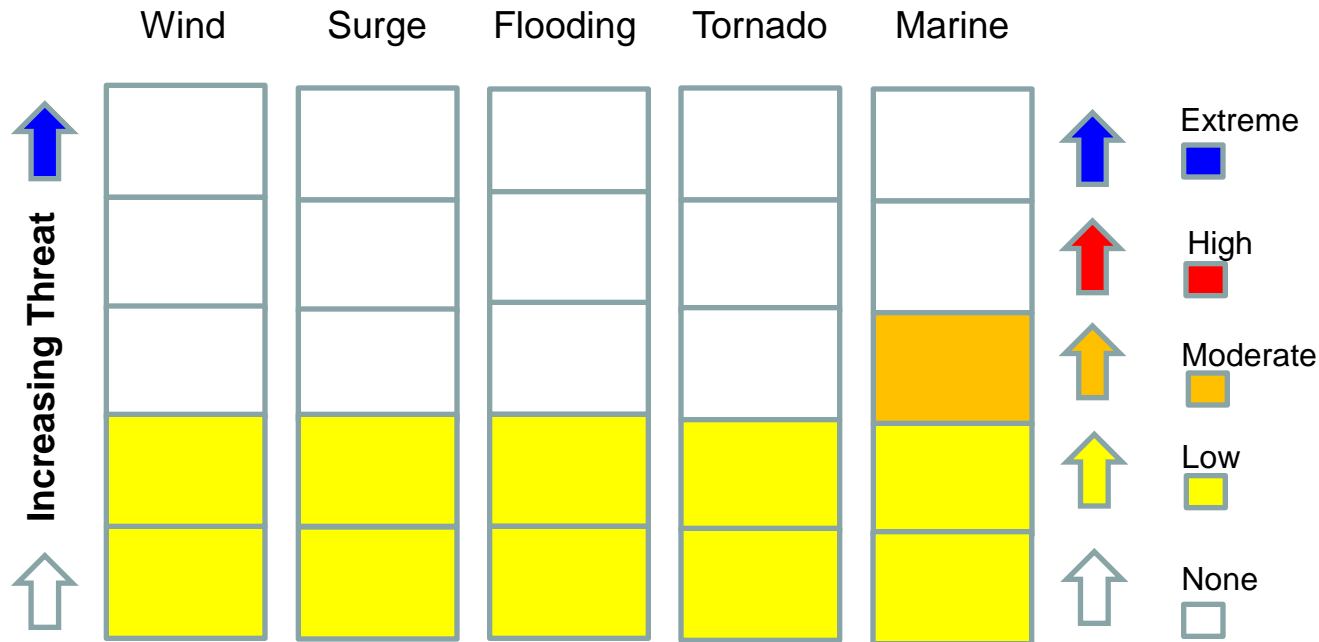
NNW 3 MPH

Minimum Pressure:

998 MB or 29.47 inches

Expected Threats/Impacts Matrix

Hazards Specific to Eastern NC

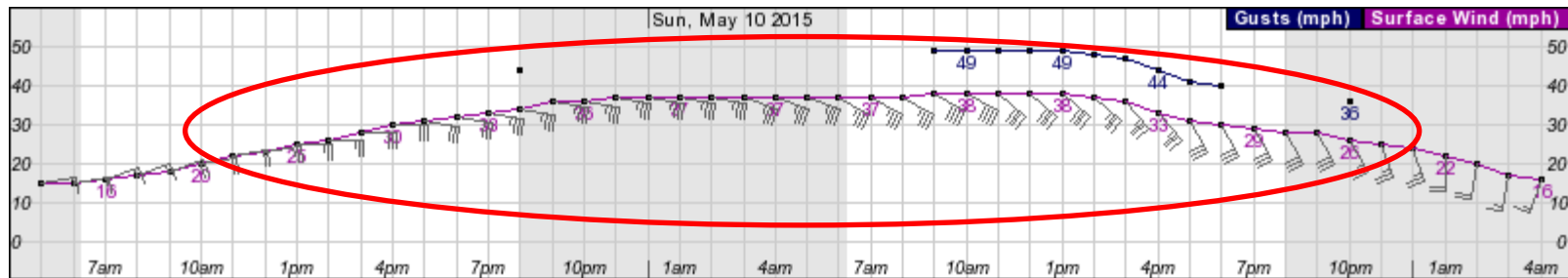


The primary impacts are still forecast to be marine, and minor flooding from rainfall. Other impacts are expected to be low, but minor surge, an isolated tornado, and gusty winds are all possible.

Refer to Threats/Impacts Summary slides for more detailed information

Wind Threats/Impacts - Summary

Tropical storm Ana will bring winds near tropical storm force by this evening with winds 30 to 40 mph and gusts up to 50 mph along the beaches of the coastal counties of Onslow and Carteret.



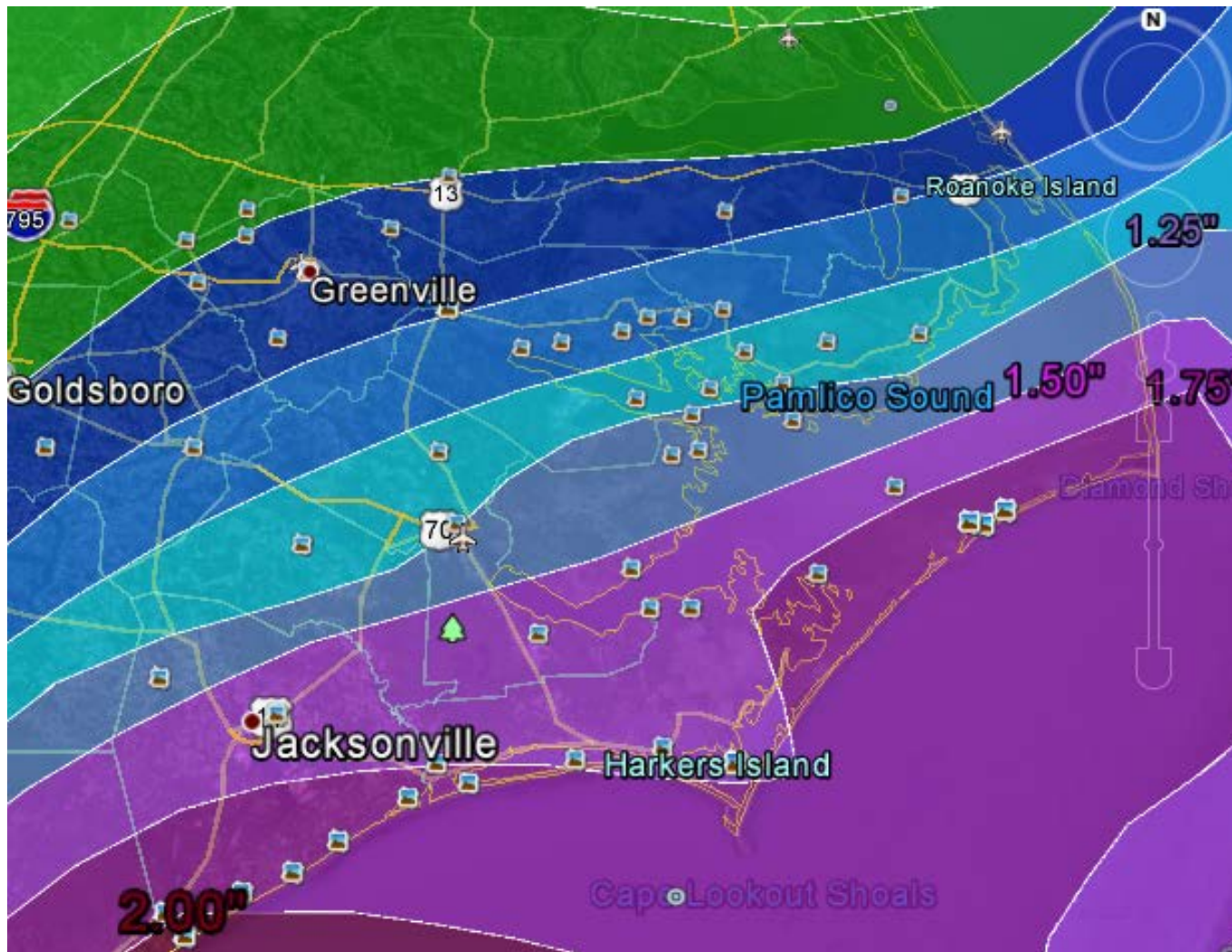
Today

Sunday

Winds for coastal Onslow (likely the highest in our forecast area) show southeasterly winds increasing to near tropical storm force Saturday afternoon continuing Sunday.

- **Power Outages** – Isolated power outages possible, especially near the coasts of Onslow and Carteret counties.
- **Tree Damage** – Some limbs and weak trees near the coast may be blown down.

Potential Rainfall Amounts

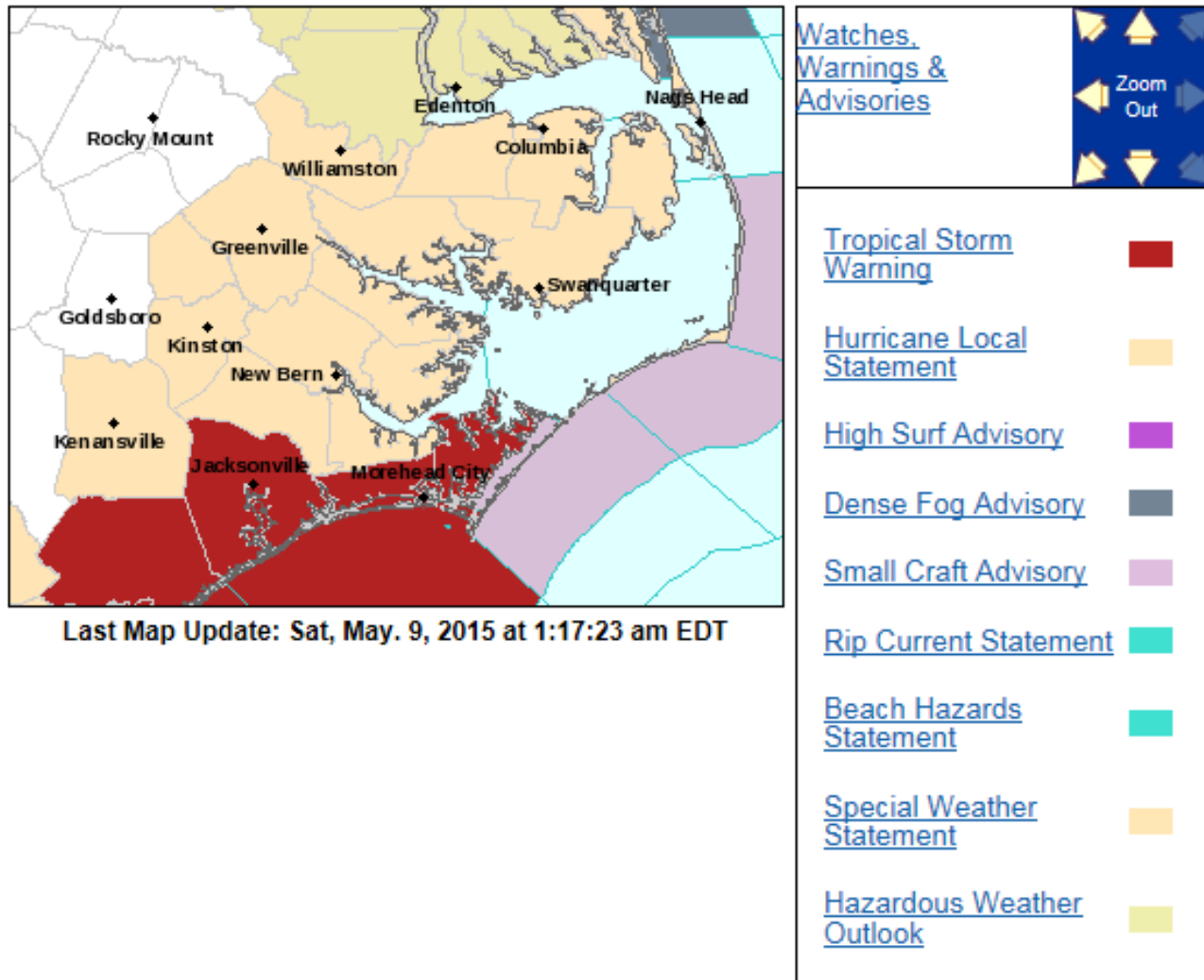


One to two inch storm total rainfall amounts, highest along the southern coast through early next week.

Marine, Surf, Aviation, and River Threats/Impacts

- ❑ Winds/Seas – Across the Coastal Waters (0 to 20 nm) winds will increase to 30 to 40 knots with higher gusts south of Cape Lookout through Sunday. Seas will build up to 12 ft. Conditions farther offshore, especially in the vicinity of the Gulf Stream will be much worse.
- ❑ Inlet entrances are expected to become hazardous as well, especially during the falling tide. The large incoming waves and currents in the inlet will generate large/steep waves.
- ❑ Rip Currents & Surf – Strong rip currents...large breaking waves...and strong longshore currents will create dangerous surf conditions at all local beaches.
- ❑ MVFR Ceilings are expected through the storm with IFR visibilities are possible associated with rain bands. Strong E to SE winds will impact operations through Sunday.
- ❑ With expected rainfall amounts of 1-2 inches all Rivers are expected to remain in their banks.

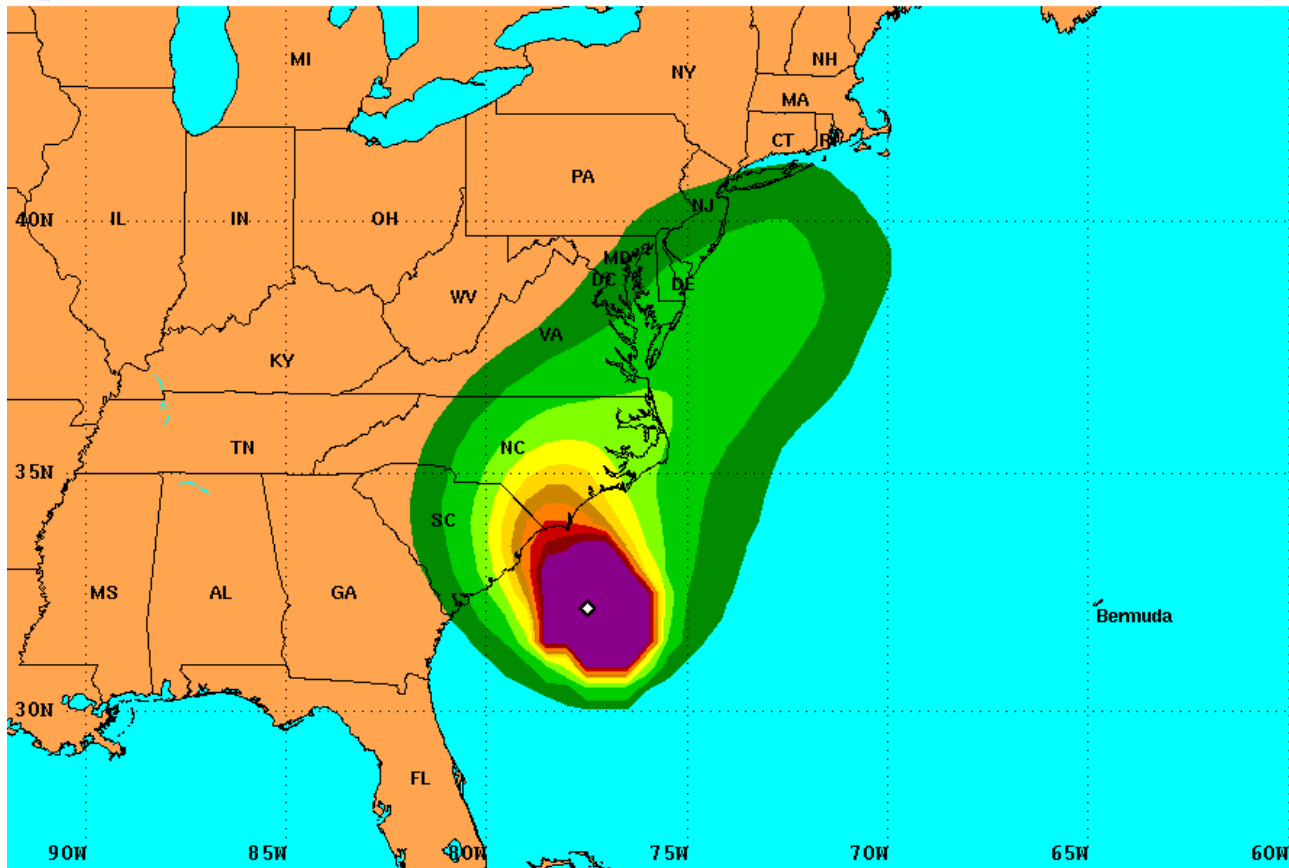
Current Watches and Warnings



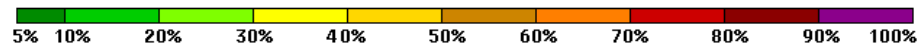
Tropical Storm Force (34 Knot) Wind Speed Probabilities



PRELIMINARY (SINGLE STORM) Tropical Storm Force Wind Speed Probabilities
For the 120 hours (5 days) from 2 AM EDT Sat May 9 to 2 AM EDT Thu May 14



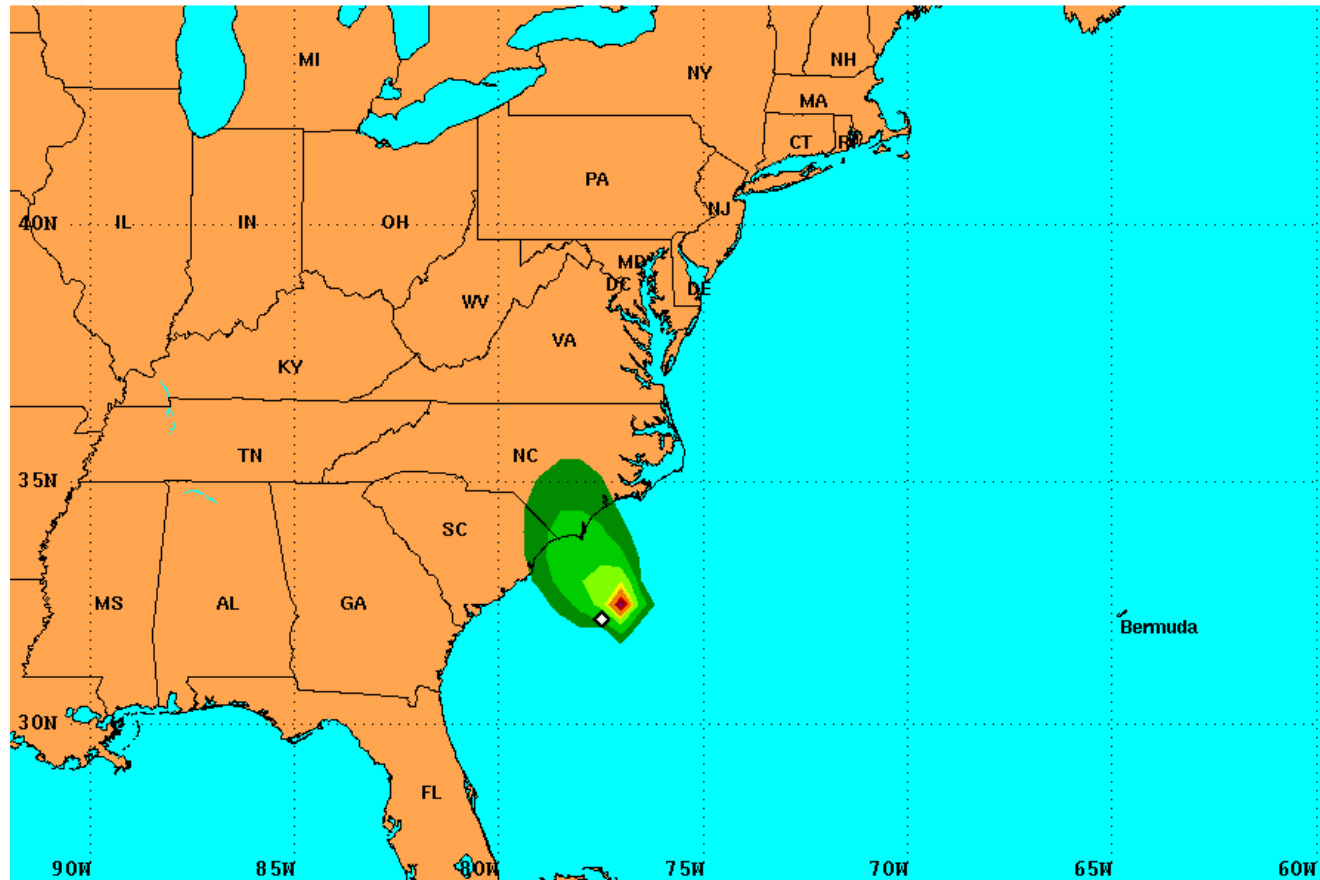
◇ indicates TROPICAL STORM ANA center location at 2 AM EDT Sat May 9 2015 (Forecast/Advisory #6)



50 Knot Wind Speed Probabilities

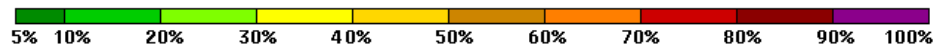


PRELIMINARY (SINGLE STORM) 50-knot Wind Speed Probabilities
For the 120 hours (5 days) from 2 AM EDT Sat May 9 to 2 AM EDT Thu May 14



Probability of 1-minute average 50-knot (58 mph) or greater surface winds

◇ indicates TROPICAL STORM ANA center location at 2 AM EDT Sat May 9 2015 (Forecast/Advisory #6)



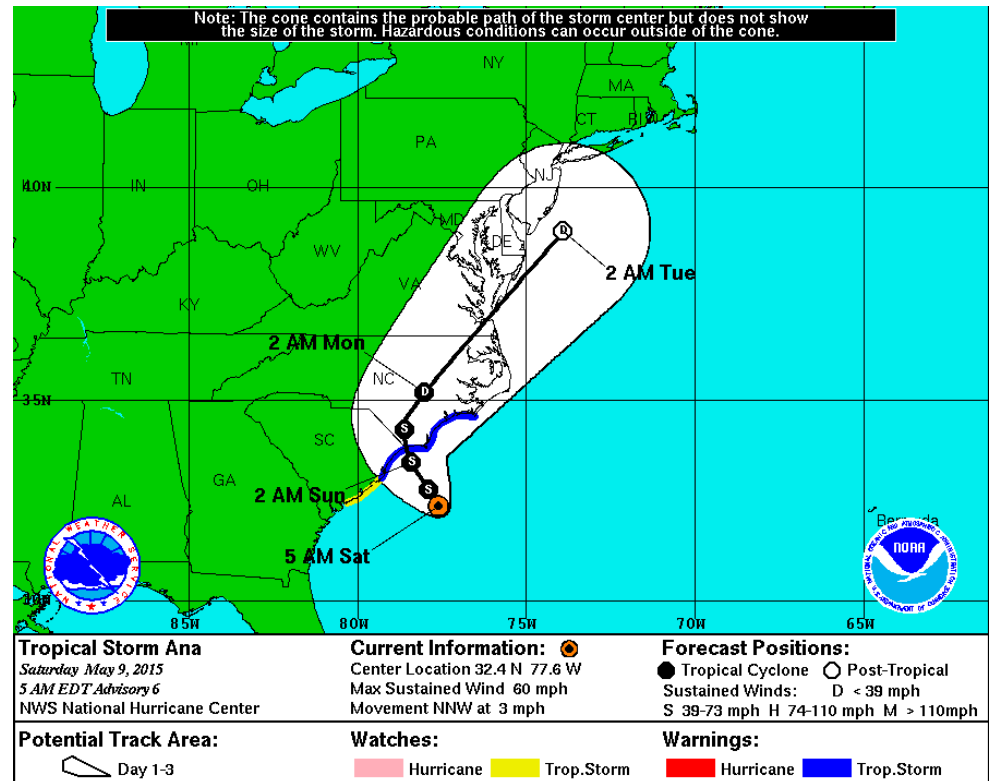
Official Track Information



The latest track shows a slow northwest motion toward the South Carolina coast today.



Tropical storm force wind gusts could occur by this evening across southern Onslow County.

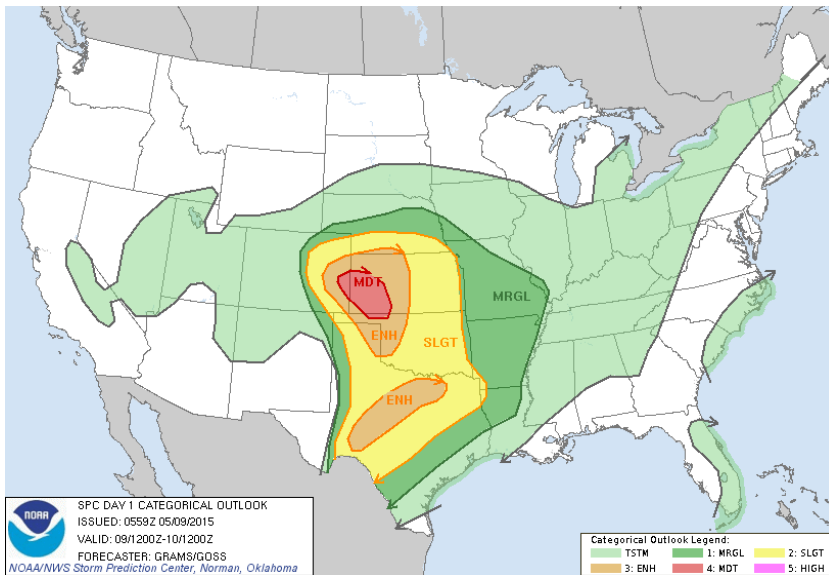


NHC Advisory # 6 5 AM EDT Sat. May 9, 2015

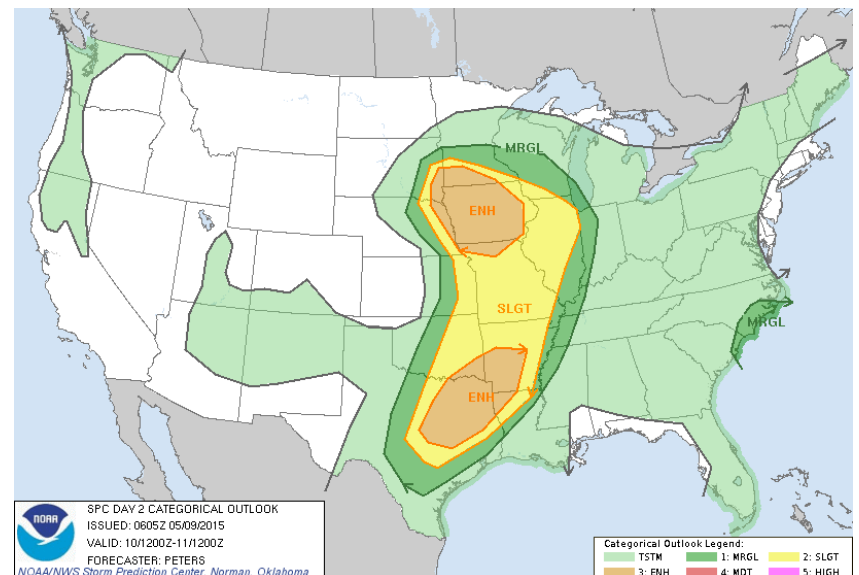
***Note:** This graphic cone indicates the probable location of Ana.

SPC Convective Outlooks

Outlook for Today



Outlook for Sunday



Isolated tornadoes will be possible across eastern NC through the weekend possibly continuing into Monday morning.

Rainfall Forecasts (QPF)

<http://www.wpc.ncep.noaa.gov/qpf/qpf2.shtml>

National Hurricane Center

<http://www.nhc.noaa.gov/>

Storm Prediction Center

<http://www.spc.noaa.gov/>

NOAA/NWS Newport/Morehead City
For updates call the forecaster on Duty
(252) 223-5122 x5



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