



Timeline & Key Takeaways

11AM Wednesday, August 20, 2025

Wednesday

Winds will increase from south to north Wed afternoon/evening with conditions continuing to deteriorate overnight along the NC Coast. The most dangerous periods for coastal flooding will be during high tide.

Thursday

Erin will make its closest approach Wed PM-Thur AM. The outer rainbands will move offshore bringing rain to an end but coastal flooding and dangerous rip currents will continue into Thur night.

Friday

While conditions will begin to improve, coastal impacts will linger Friday due to large swell from departing Erin.

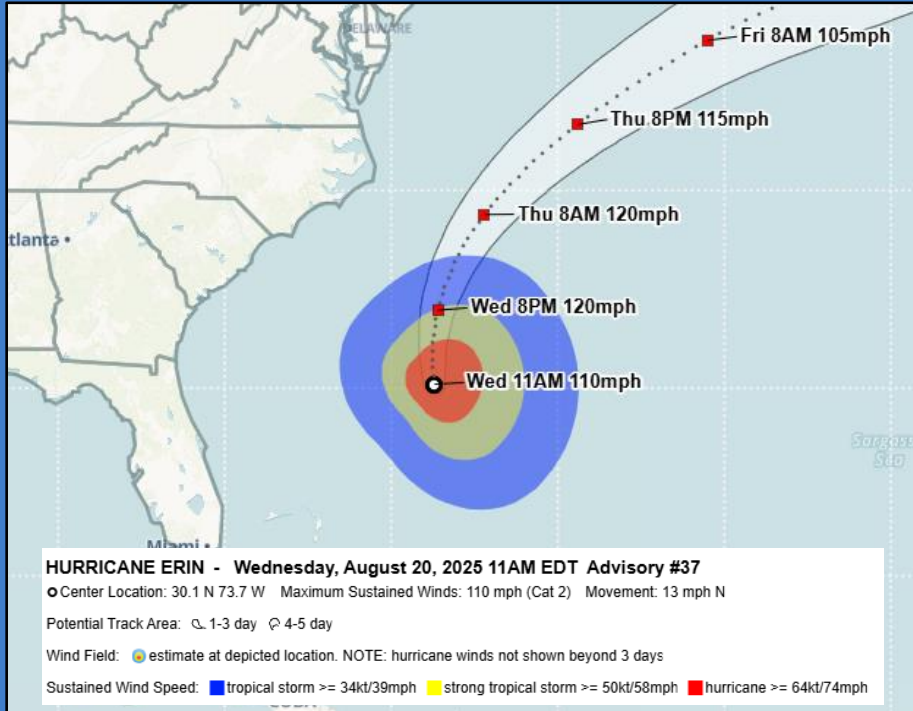
Hurricane Erin Key Takeaways

- Erin is a large hurricane with some additional strengthening possible over the next day or so and could become a major hurricane again by tonight. The system is expected to continue growing in size and make a turn to the NNE by tonight, followed by a faster speed toward the NE by Thur and Fri.
- While Erin is forecast to remain offshore, dangerous and life-threatening marine and coastal conditions will extend far from the center impacting the NC Coast Wednesday into Thursday. Improving conditions will start Friday, but hazardous marine and coastal conditions may continue through late week.
- Tropical Storm Warnings and Storm Surge Warnings are in effect for portions of coastal NC where tropical storm conditions are expected to increase through the day Wednesday lasting through Thursday. Periods of heavy rainfall, isolated flash flooding and stronger winds will be possible with any outer rainbands that move onshore beginning Wednesday night through Thursday morning.



Hurricane Erin

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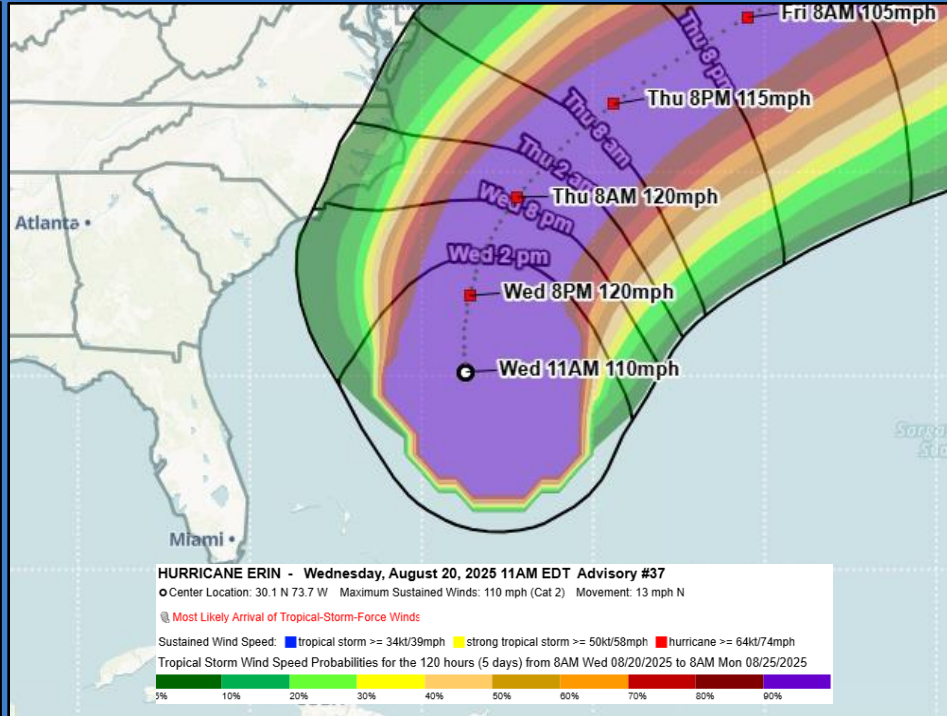
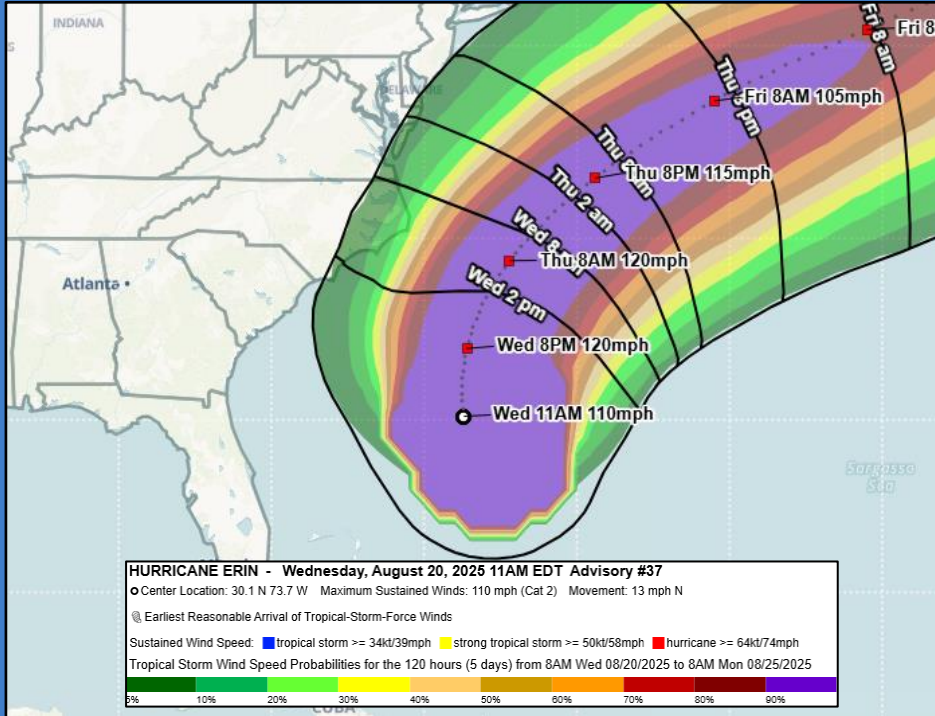


- Erin remains a dangerous hurricane with maximum sustained winds of 110mph. Gradual intensification is possible over the next 36hrs as the system makes its closest approach to NC.
- Hurricane Erin is moving northward and forecast to turn to NNE later today followed by a turn to the NE and ENE on Thursday and Friday and increasing in forward speed.



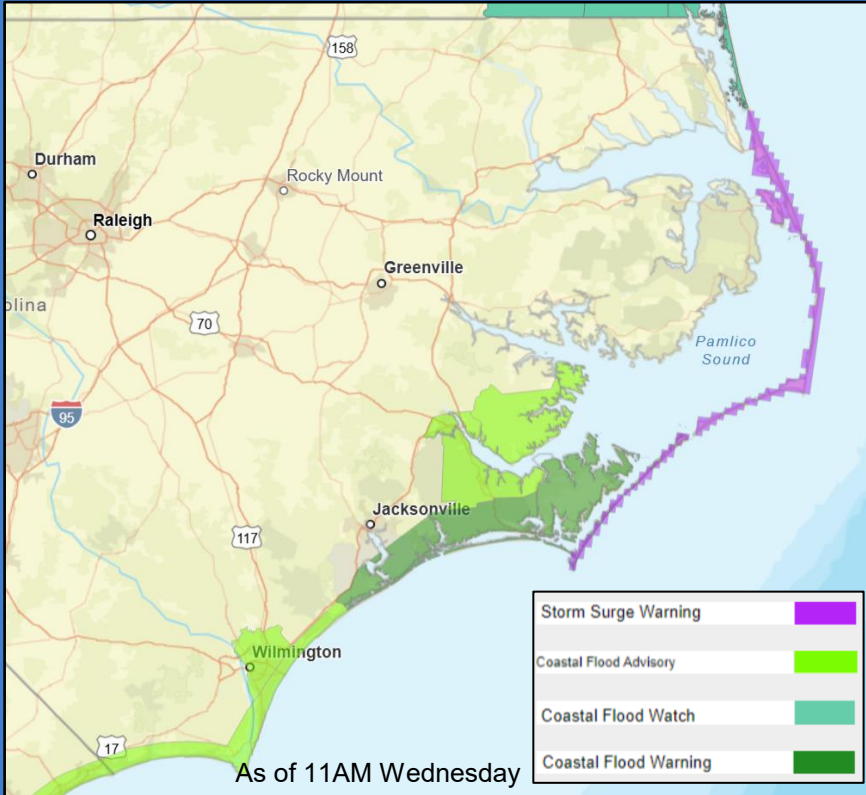
Most Likely & Earliest Reasonable Arrival of TSF Winds

11AM Wednesday, August 20, 2025





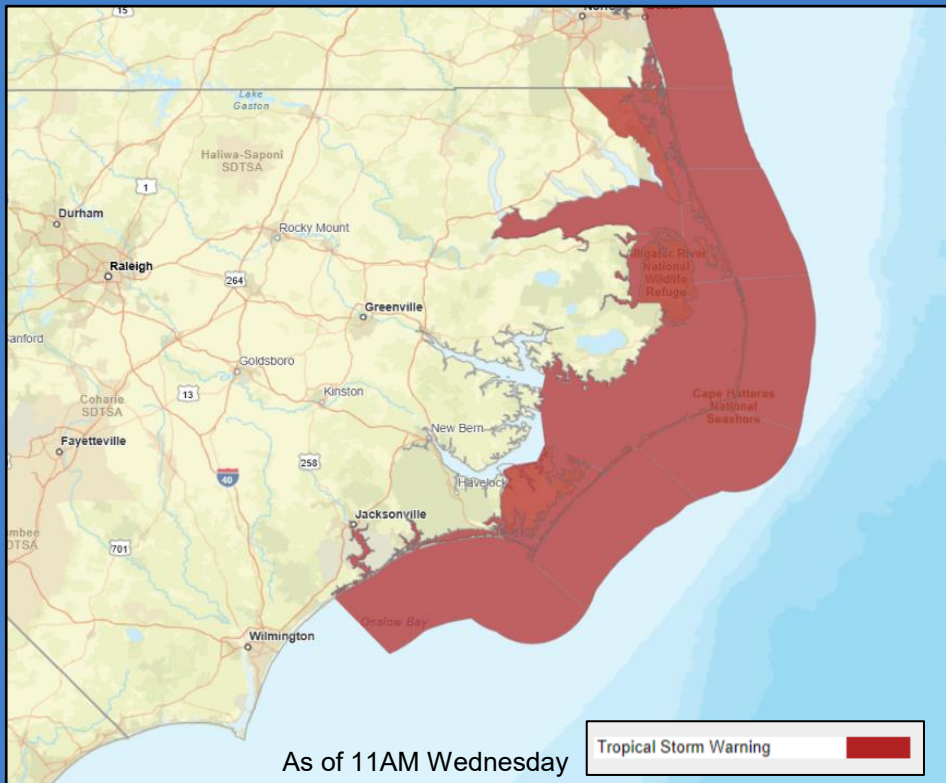
Coastal Flooding



- **A Coastal Flood Watch** is in effect for eastern Currituck from Thursday PM through Friday PM where inundation of 1-3' is possible.
- **A Coastal Flood Warning/Advisory** remains in effect for coastal Carteret and Onslow Counties, Pamlico and Southern Craven through Thursday evening where inundation of 1-4' remains possible as Erin makes its closest approach to NC. Inundation up to 1.5' is possible for coastal Brunswick, Pender and New Hanover Counties.
- Soundside flooding is possible for downeast Carteret County as well as Hatteras and Ocracoke Islands Thursday into Friday AM as the system moves NE away from the NC coast.



Tropical Storm Warning



- A Tropical Storm Warning remains in effect from Beaufort Inlet to the NC/VA border, including the Pamlico and Albemarle Sound.
- Sustained winds of up to 30-40mph and wind gusts 50-55mph are possible within the warning areas Wednesday through Thursday.



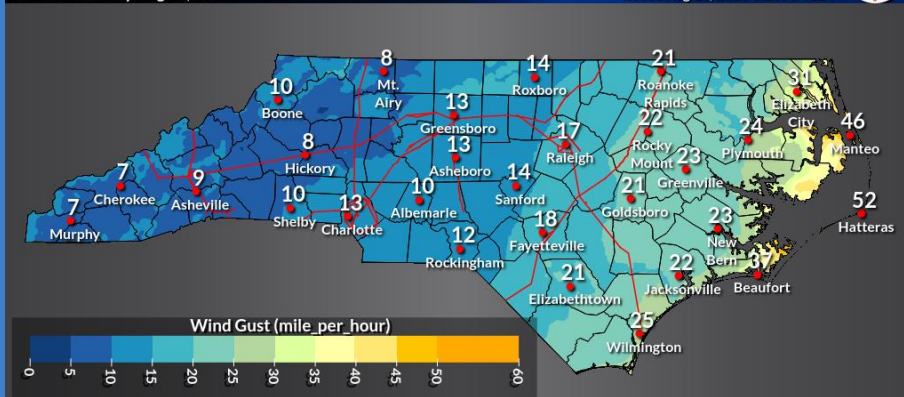
Wednesday and Thursday's Max Wind Gust Forecast

24-hour Max Wind Gust

Valid Wednesday Aug 20, 2025

Weather Forecast Office
Raleigh, NC

Issued Aug 20, 2025 6:23 AM EDT



YouTube, Facebook, and X: @NWSRaleigh

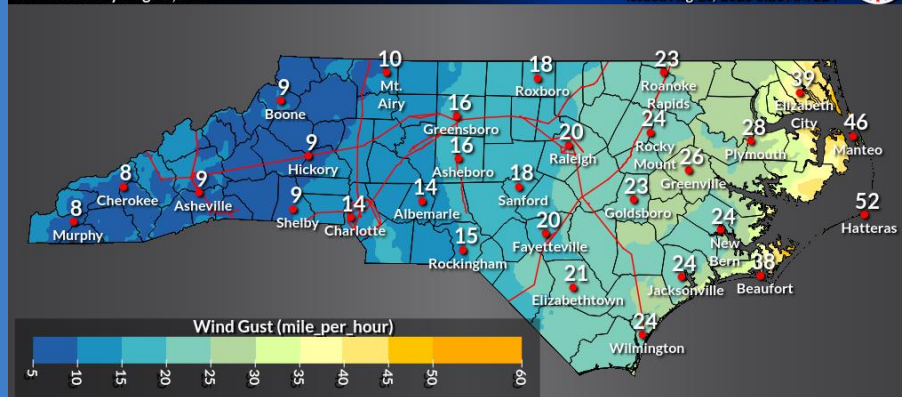
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24-hour Max Wind Gust

Valid Thursday Aug 21, 2025

Weather Forecast Office
Raleigh, NC

Issued Aug 20, 2025 6:23 AM EDT

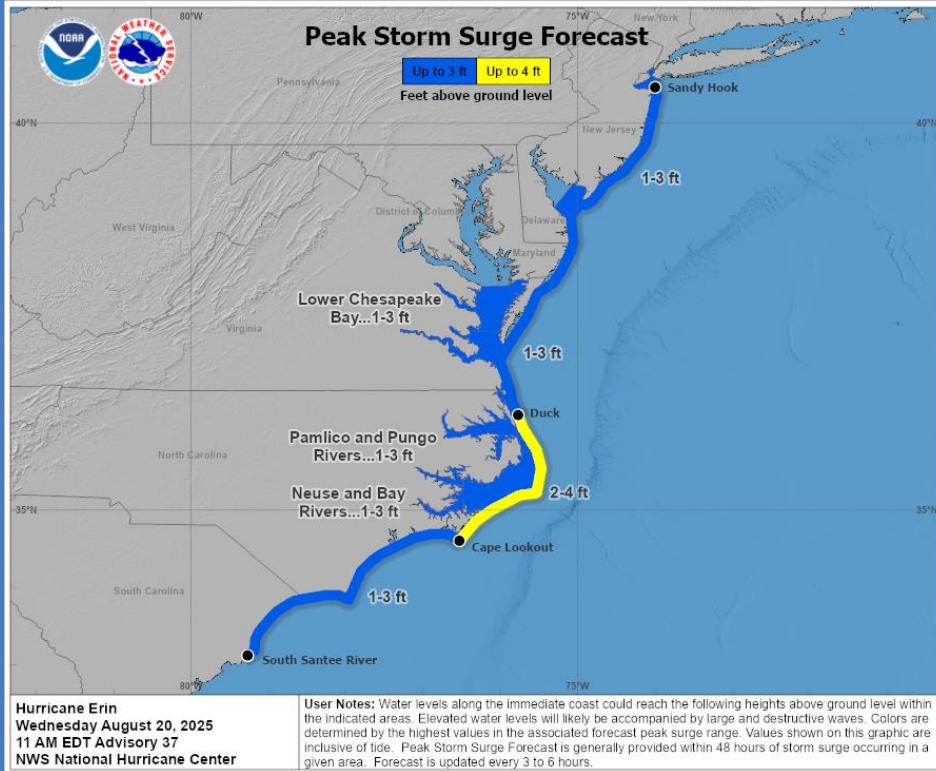


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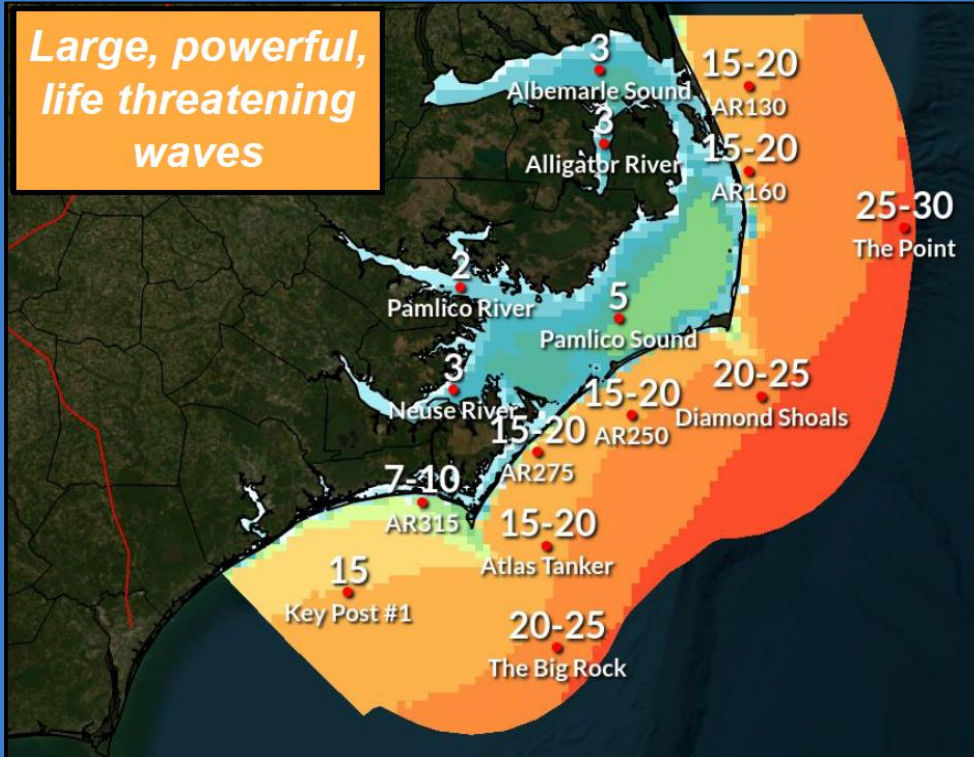
- TS force winds and wind gusts are possible as early as Wed afternoon through Thur morning with the highest potential along the Outer Banks.
- Wind gusts up to 15-25mph are possible across inland areas of eastern NC with up to 50-55mph along the coast and Outer Banks

Peak Storm Surge Forecast



- A Storm Surge Warning remains in effect from Cape Lookout to Duck, where the greatest surge (up to 4ft. AGL) is possible.
- South of Cape Lookout, North of Duck as well as Pamlico, Pungo, Neuse and Bay Rivers may see Storm Surge of 1-3ft. AGL.
- Coastal flooding from ocean overwash has already begun across Hwy 12 on Hatteras Island, but will peak Wednesday into Thursday, tapering off Friday.

Extreme Wave Heights

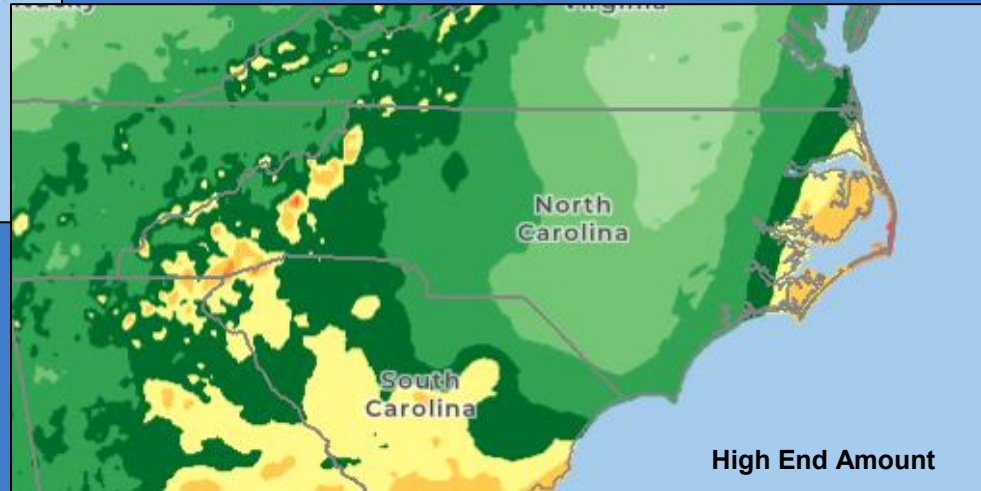


- Strong, long period waves up to 15-20+ ft are forecast along much of the central coast with up to 10-14ft waves along southern and northeastern beaches.
- Extensive beach erosion, and major coastal flooding and ocean overwash are likely, peaking late Wed-Thur.
- Numerous roadways will likely be impassable, possibly for several days, especially in low lying areas and along HWY 12 across the Outer Banks.

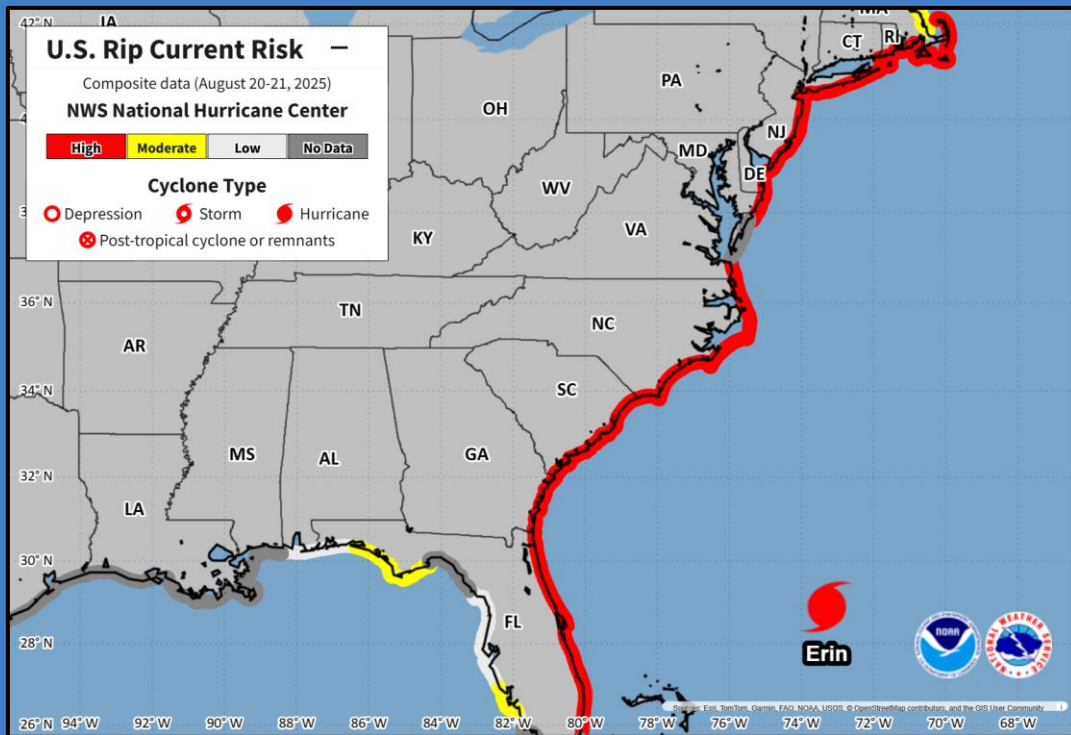


Low & High End 72hr Precipitation Forecast

8AM Wednesday August 20 – 8AM Saturday August 23, 2025



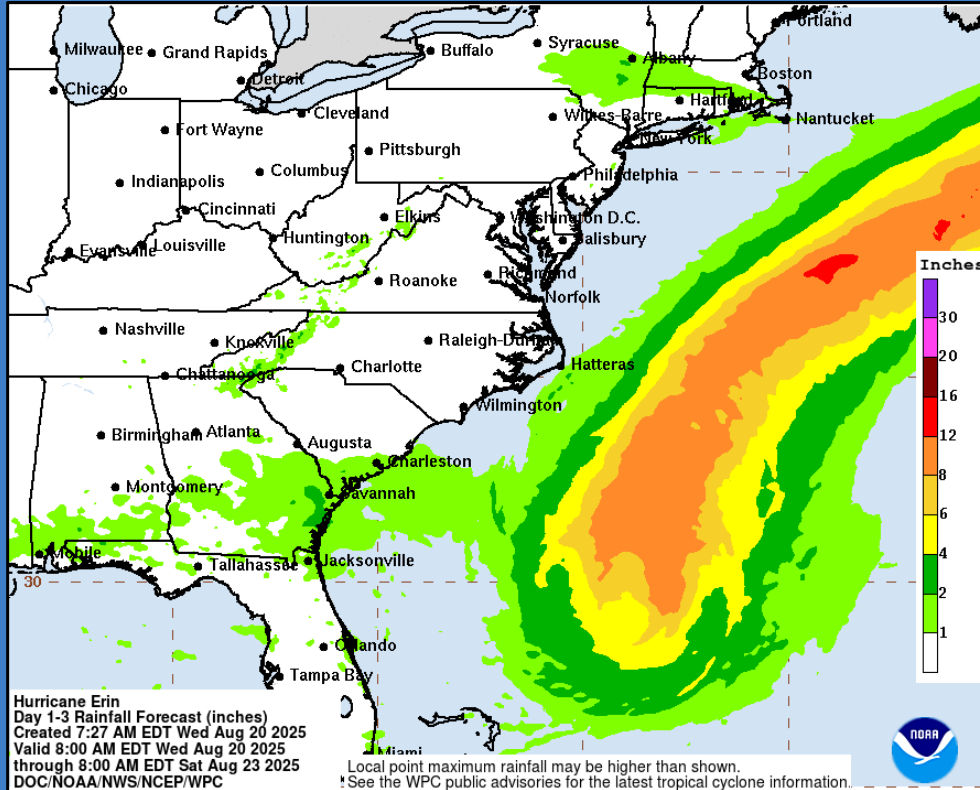
Rip Current Threat



- A high risk for life-threatening rip currents will continue across the NC Coast through the week.
- The greatest threat for dangerous rip currents will be near high tide each day this week.



Hurricane Erin Rainfall Forecast



- Periods of heavy rainfall is possible across the Outer Banks Wednesday night into Thursday with potential for 1-2”.
- The heaviest rainfall will remain well offshore as Erin makes its closest approach Wednesday into Thursday.



Hazard Summary – Hurricane Erin

11AM Wednesday, August 20, 2025

HAZARD	DETAILS	IMPACTS	THREAT
Marine, Coastal, & Storm Surge	<p>A Coastal Flood Watch/Warning/Advisory remains in effect for much of the NC coast through Friday afternoon where inundation of 1-4' remains possible as Erin makes its closest approach to NC.</p> <p>A Storm Surge Warning remains in effect from Cape Lookout to Duck, where the greatest surge (up to 4ft. AGL) is possible.</p> <p>South of Cape Lookout, North of Duck as well as Pamlico, Pungo, Neuse and Bay Rivers may see Storm Surge of 1-3ft. AGL.</p>	<p>Extensive Beach Erosion: Large, powerful, and life-threatening waves of 15-20+ft. will impact much of the NC Coast peaking Wed-Thur and diminishing late week. While all beaches are likely to see impacts, the strongest swell and roughest surf zone conditions will be for E and SE facing beaches.</p> <p>Life-threatening Rip Currents: Extremely dangerous rip currents are expected much of the week.</p> <p>The combination of 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 deepest water will occur along the immediate coast where the surge will be accompanied by large and dangerous waves.</p>	Extreme
Damaging Winds	<p>A Tropical Storm Warning is in effect from Beaufort Inlet to the NC/VA border, including the Pamlico and Albemarle Sound.</p>	<p>The probability of TSF winds has increased along portions of the NC Coast, especially along the Outer Banks, late Wed-Thur. Wind gusts of 50-55 mph are possible within the warning areas.</p>	Moderate
Heavy Rainfall & Flooding	<p>Heavy rainfall is possible on the Outer Banks Wed PM-Thurs AM with potential for 1-2" and locally higher amounts up to 4". A Marginal Risk for isolated flash flooding has been placed along the Outer Banks and central portions of the NC Coast Wed.</p>		Low
Tornadoes	<p>With Erin remaining offshore, the threat for tornadoes will be low. However, outer rain bands producing tornadoes moving onshore Wed PM & Thur AM cannot be ruled out.</p>		Low

Threat Levels:

None

Low

Moderate

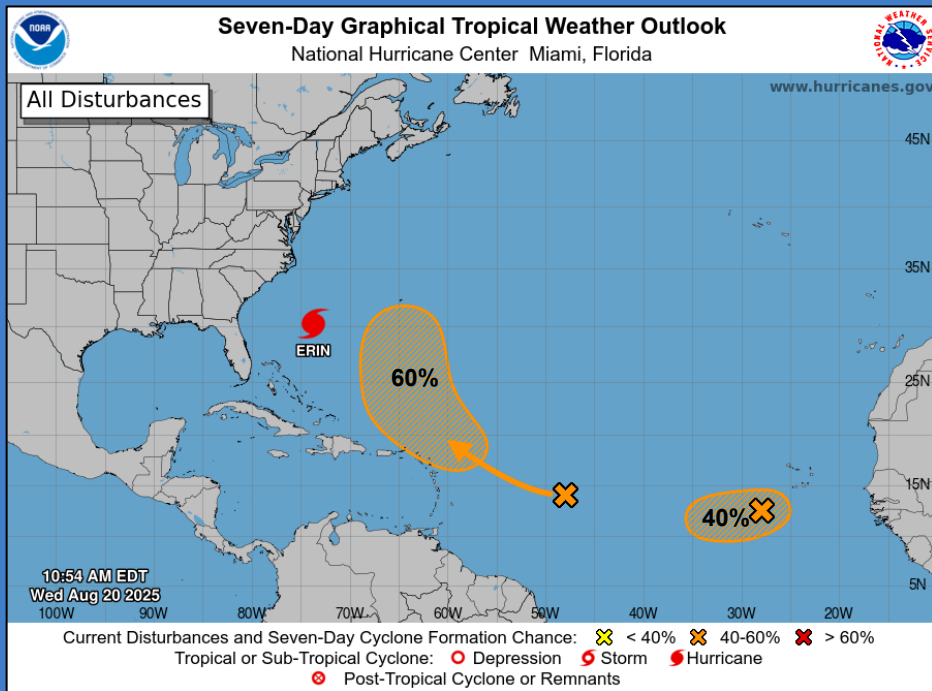
High

Extreme



Tropical Weather Outlook

8AM Wednesday, August 20, 2025



- A tropical wave over the Tropical Atlantic continues to produce disorganized showers and storms. Conditions are favorable for development and a tropical depression could form late this week or over the weekend.
- A tropical wave located to the SW of the Cabo Verde Islands continues to produce a concentrated area of showers and storms. Conditions are marginally favorable for development over the next day or so, but by the weekend no further development is expected.



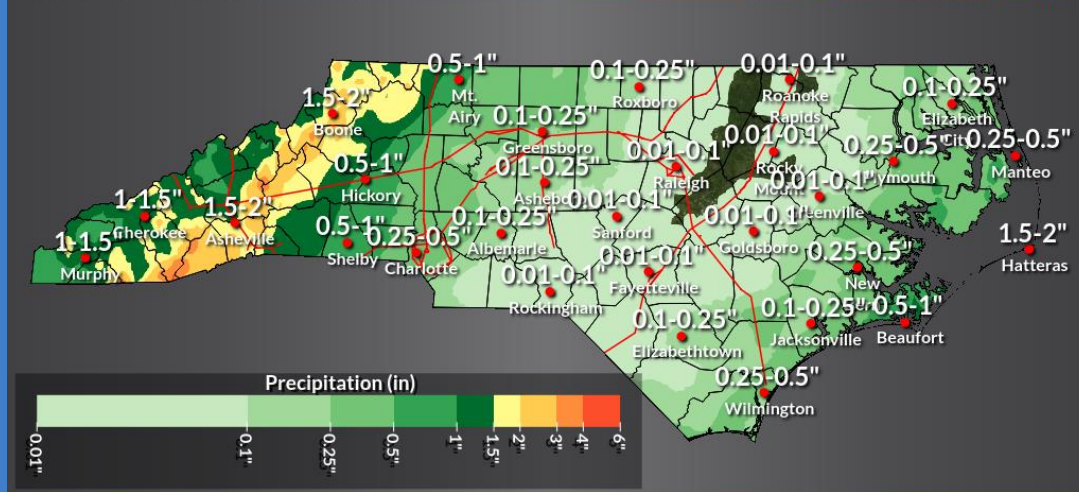
7-Day Rainfall Forecast

7-Day Precipitation Amount

Valid Wed 8:00AM through Wed 8:00AM EDT

Weather Forecast Office
Raleigh, NC

Issued Aug 20, 2025 6:26 AM EDT



- Scattered afternoon showers and storms are possible across western NC through the weekend with central NC remaining mostly dry.
- Scattered showers are possible along the NC coast Wed with outer rainbands from Erin moving onshore Wed night into Thur morning as the system passes offshore.



Wednesday's Rainfall Forecast & Flash Flooding Potential

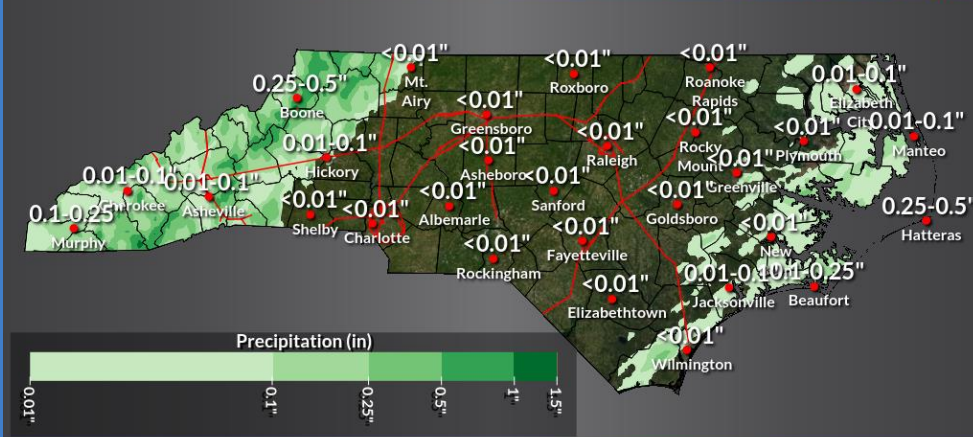
24-hour Precipitation Amount

Valid Wed 8:00AM through Thu 8:00AM EDT

Weather Forecast Office

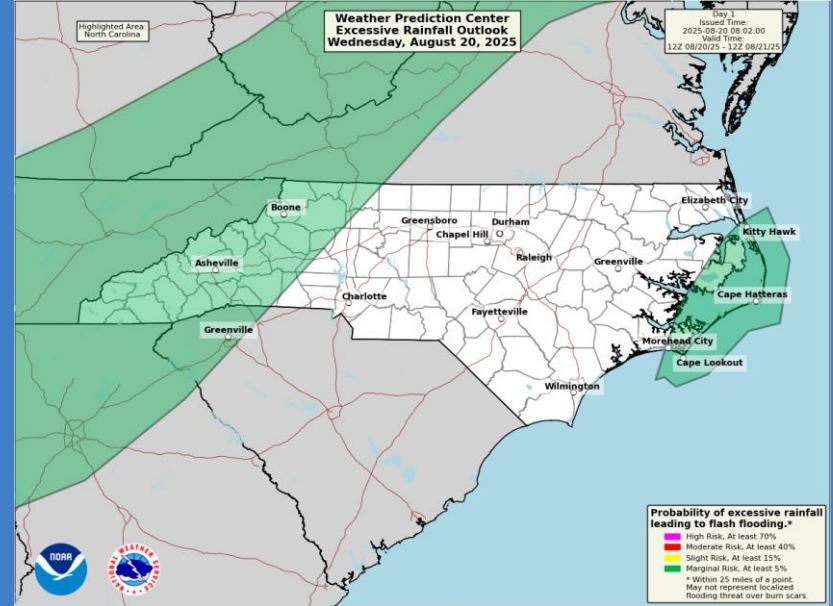
Raleigh, NC

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No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding could lose lives and property in greater danger.
@NWSWPC				
Flash flooding (over 1 in)	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding			

- Isolated flash floods are possible for far eastern NC as outer rainbands from Erin move onshore Wed PM-Thur AM. Isolated flash floods remain possible across the mountains.



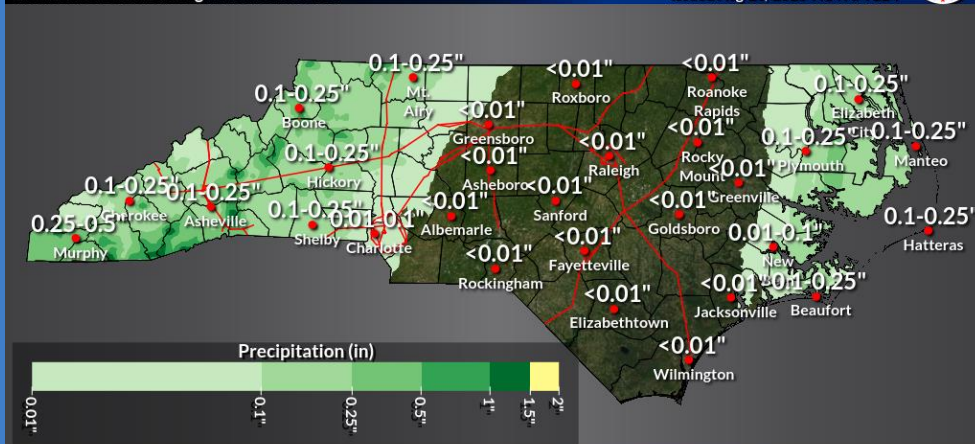
Thursday's Rainfall Forecast & Flash Flooding Potential

24-hour Precipitation Amount

Valid Thu 8:00AM through Fri 8:00AM EDT

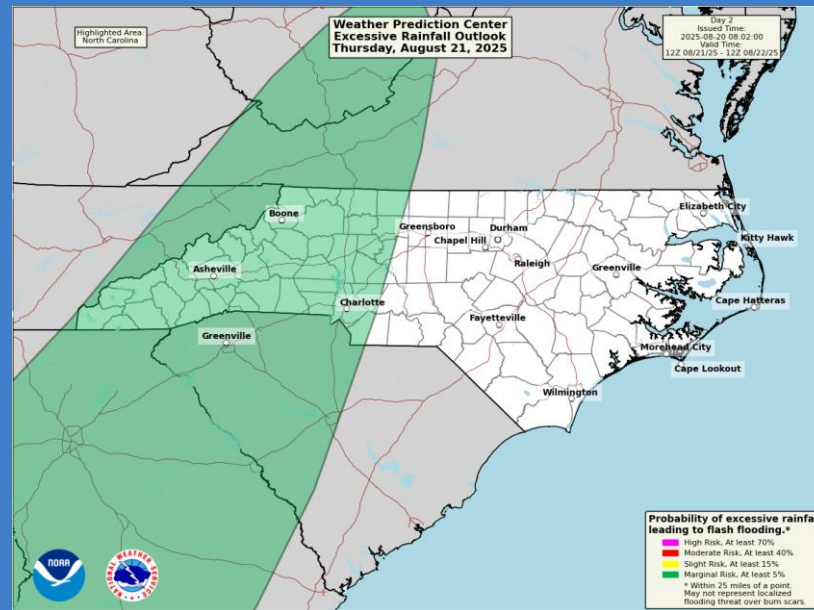
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Flash flooding (over 1 in)	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
NO Flash Flooding				

- The threat for isolated flash floods remains possible across western NC.



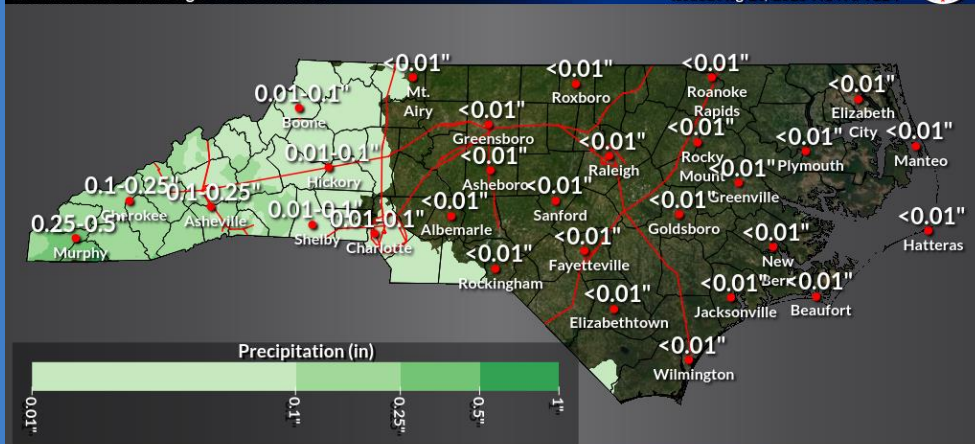
Friday's Rainfall Forecast & Flash Flooding Potential

24-hour Precipitation Amount

Valid Fri 8:00AM through Sat 8:00AM EDT

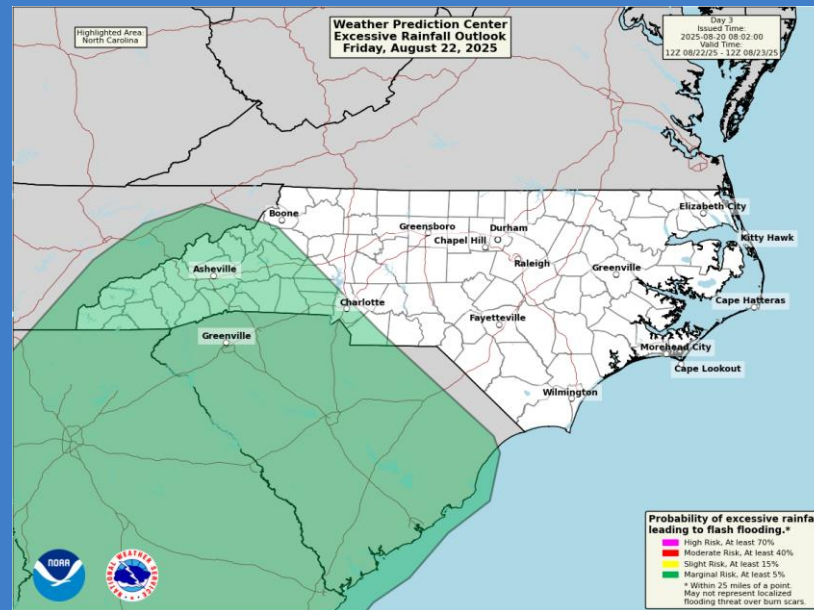
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@NWSWPC				
Flash flooding (over 1 in)	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
NO Flash Flooding				

- Isolated flash floods remain possible across portions of western NC on Friday.



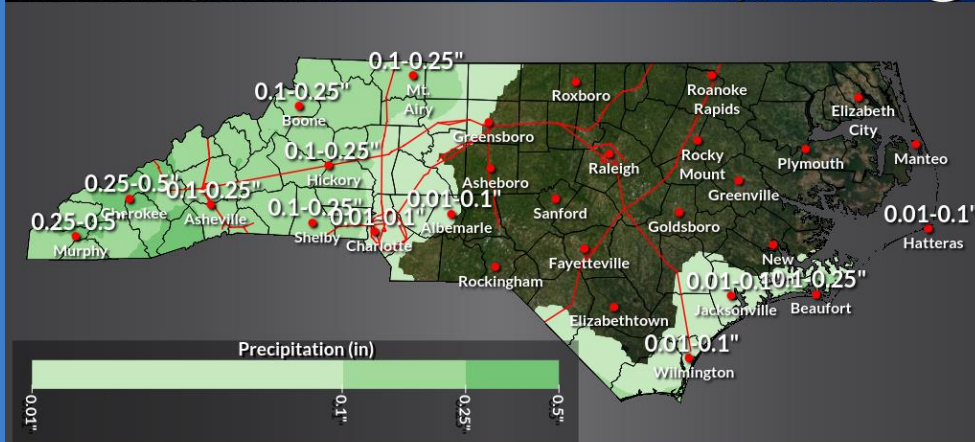
Saturday's Rainfall Forecast & Flash Flooding Potential

24-hour Precipitation Amount

Valid Sat 8:00AM through Sun 8:00AM EDT

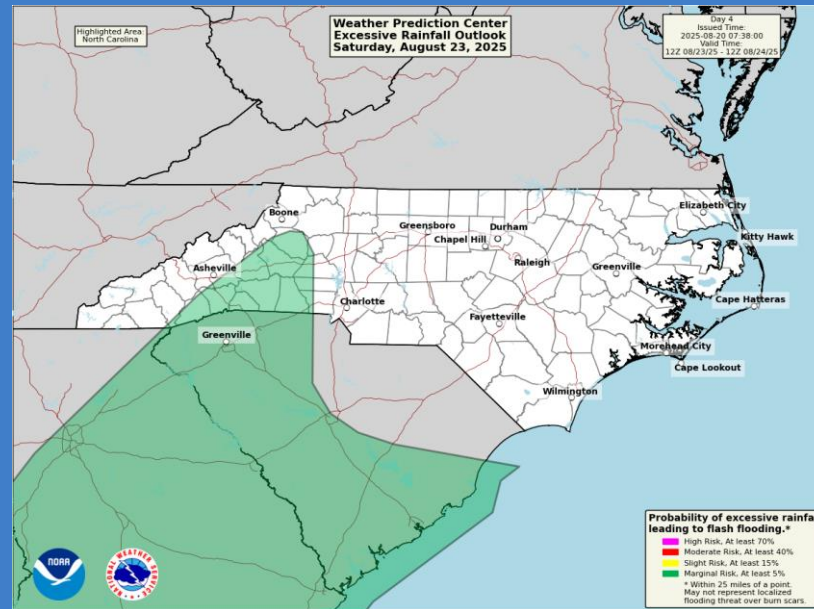
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No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
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@NWSWPC				
Flash flooding (over 1 in.)	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
NO Flash Flooding				

- The threat for isolated flash floods will continue Saturday across portions of the mountains and Foothills.