



# Severe Weather Briefing

March 5, 2025  
5:01 AM

For Southeast North Carolina and Northeast South Carolina

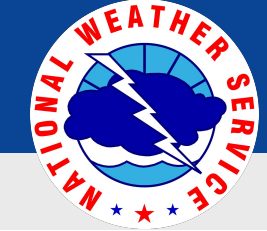
## Decision Support Briefing #3

→ As of: 5:01 AM Wednesday March 5, 2025

### **NEW** Important Updates

- Updated timing of severe weather
- Removed hail as a potential hazard





# Key Messages

March 5, 2025  
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For Southeast North Carolina and Northeast South Carolina

- A strong cold front will bring an enhanced risk for severe storms this morning through the early afternoon as it moves quickly across the Carolinas
- The primary threat is from damaging wind gusts of 60+ mph, although a few of the more intense storms could produce gusts of 74+ mph
- There is also a low threat for a few tornadoes
- In addition, it will be windy even outside of thunderstorms, with gusts of 35 to 45 mph generally expected and isolated gusts up to ~50 mph possible

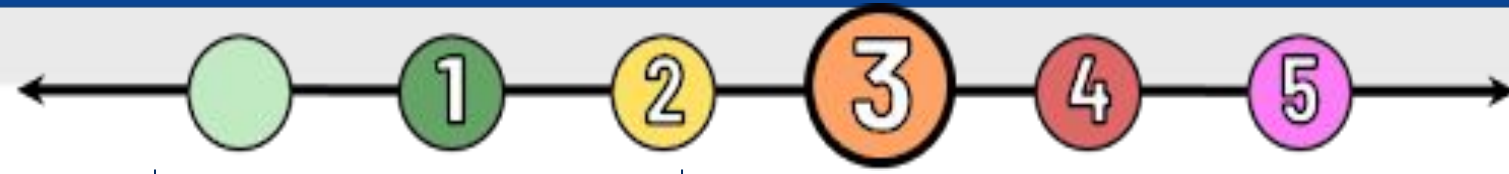








# Main Points - Enhanced Risk (3 out of 5)

March 5, 2025  
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## Severe Thunderstorm Risk Categories



Hazard	Impacts	Location	Timing
<b>Wind</b> 	Scattered to numerous severe storms will cause wind damage and/or power outages due to wind gusts of 60+ mph	Southeast NC and northeast SC	Moving west to east across the area this morning through this afternoon
<b>Tornadoes</b> 	Few tornadoes are possible	Southeast NC and northeast SC	Moving west to east across the area this morning through this afternoon
<b>Lightning</b> 	Cloud-to-ground lightning could cause isolated tree/power pole/structure damage	Southeast NC and northeast SC	Moving west to east across the area this morning through this afternoon
<b>Flooding</b> 	Few areas may see minor flooding, especially in poor drainage areas	Southeast NC and northeast SC	Moving west to east across the area this morning through this afternoon



# Projected Timing of Severe Weather

March 5, 2025  
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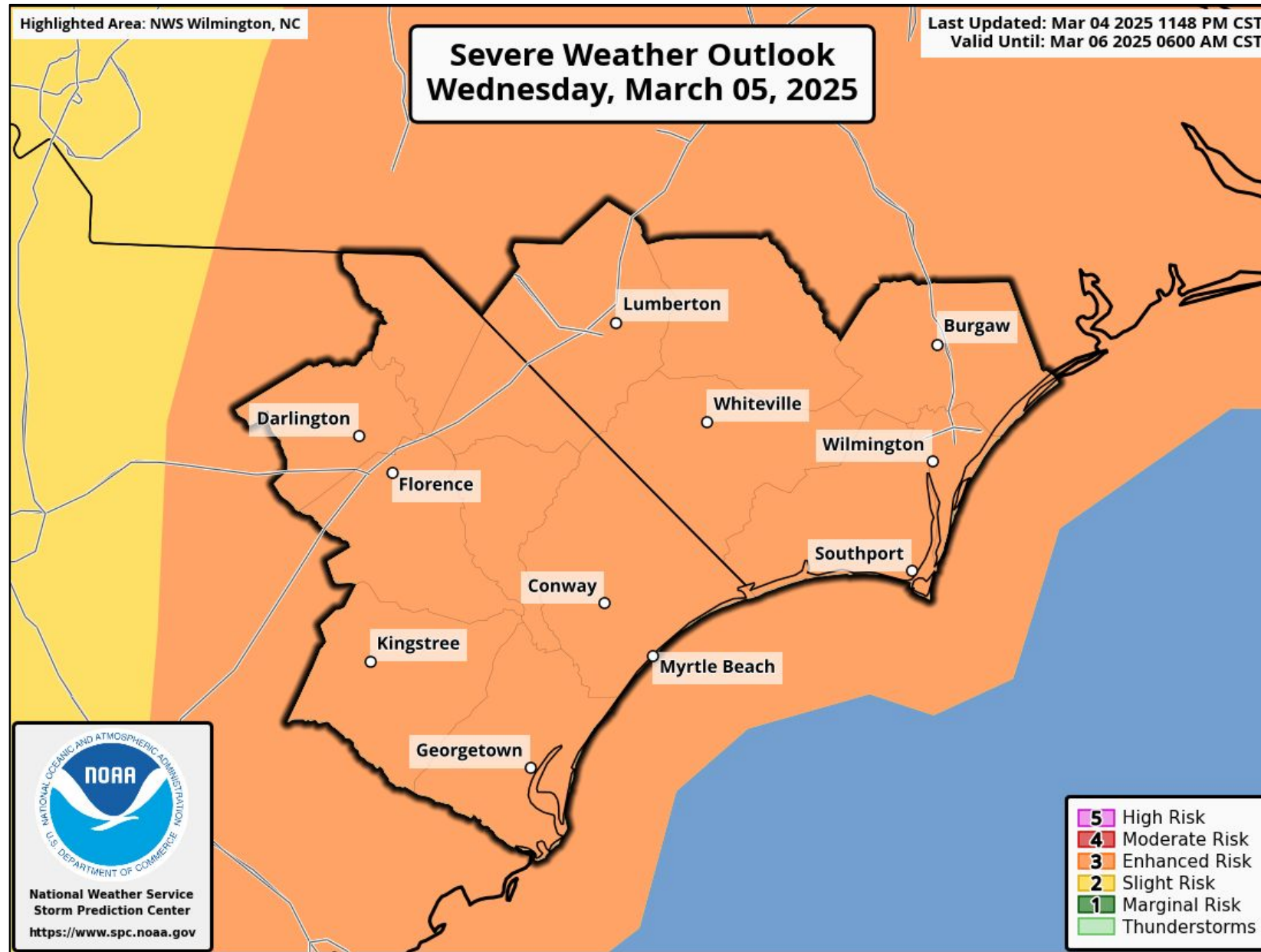


- The greatest threat of severe weather will be in the form of a line of storms moving rather quickly from west to east through southeast NC and northeast SC, starting inland this morning and progressing offshore this afternoon



# Severe Weather Outlook - Wednesday

March 5, 2025  
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## Timing



- Thunderstorms are expected to move across the area from west to east this morning through the early afternoon

## Actions

- Remain weather-aware and ready to act
- Have multiple ways to receive warnings

## Severe Threats



### Damaging Wind

Scattered gusts ~60 mph, with isolated gusts of 74+ mph possible



### Tornadoes

Isolated tornadoes

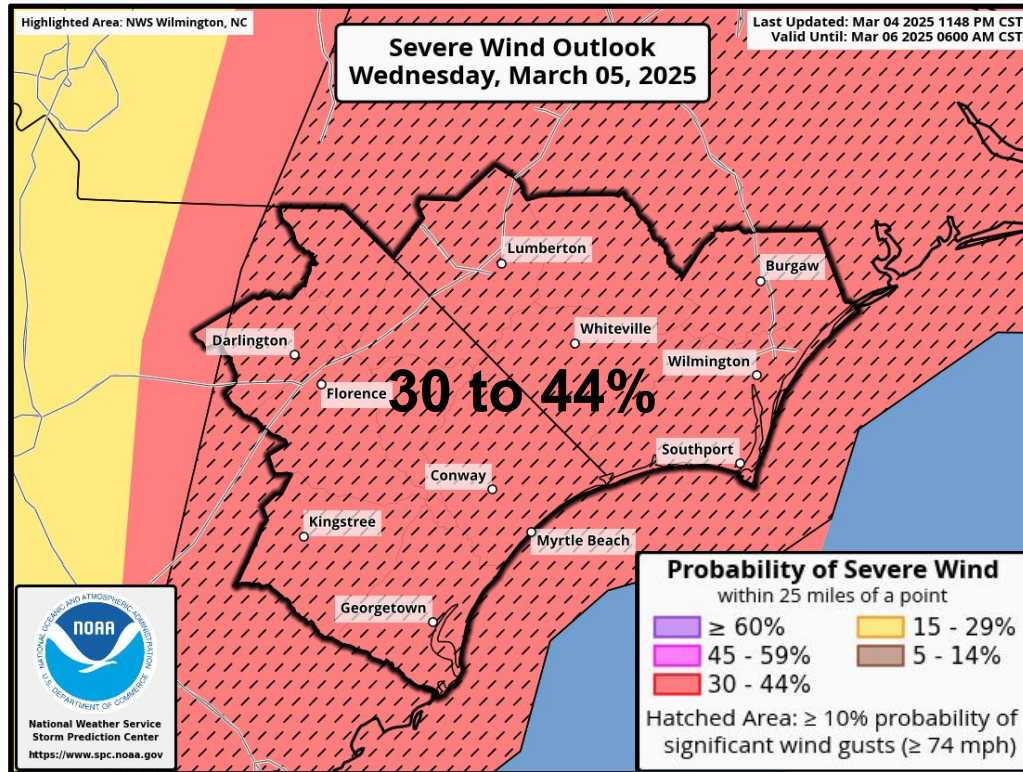




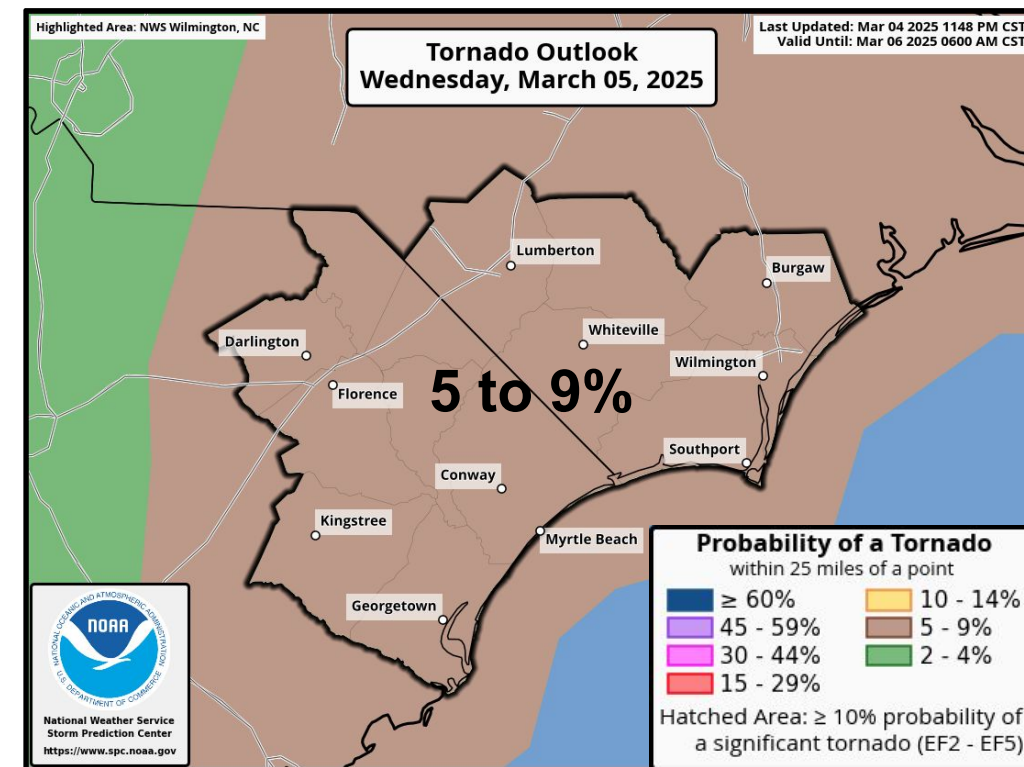
# Wind & Tornado Probabilities - Wednesday

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## Wind Probability



## Tornado Probability



- Enhanced risk for damaging wind gusts of 60+ mph, including a ≥10% chance of significant winds gusts of 74+ mph
- Low risk for a few tornadoes



# Peak Non-T-storm Wind Gusts - Wednesday

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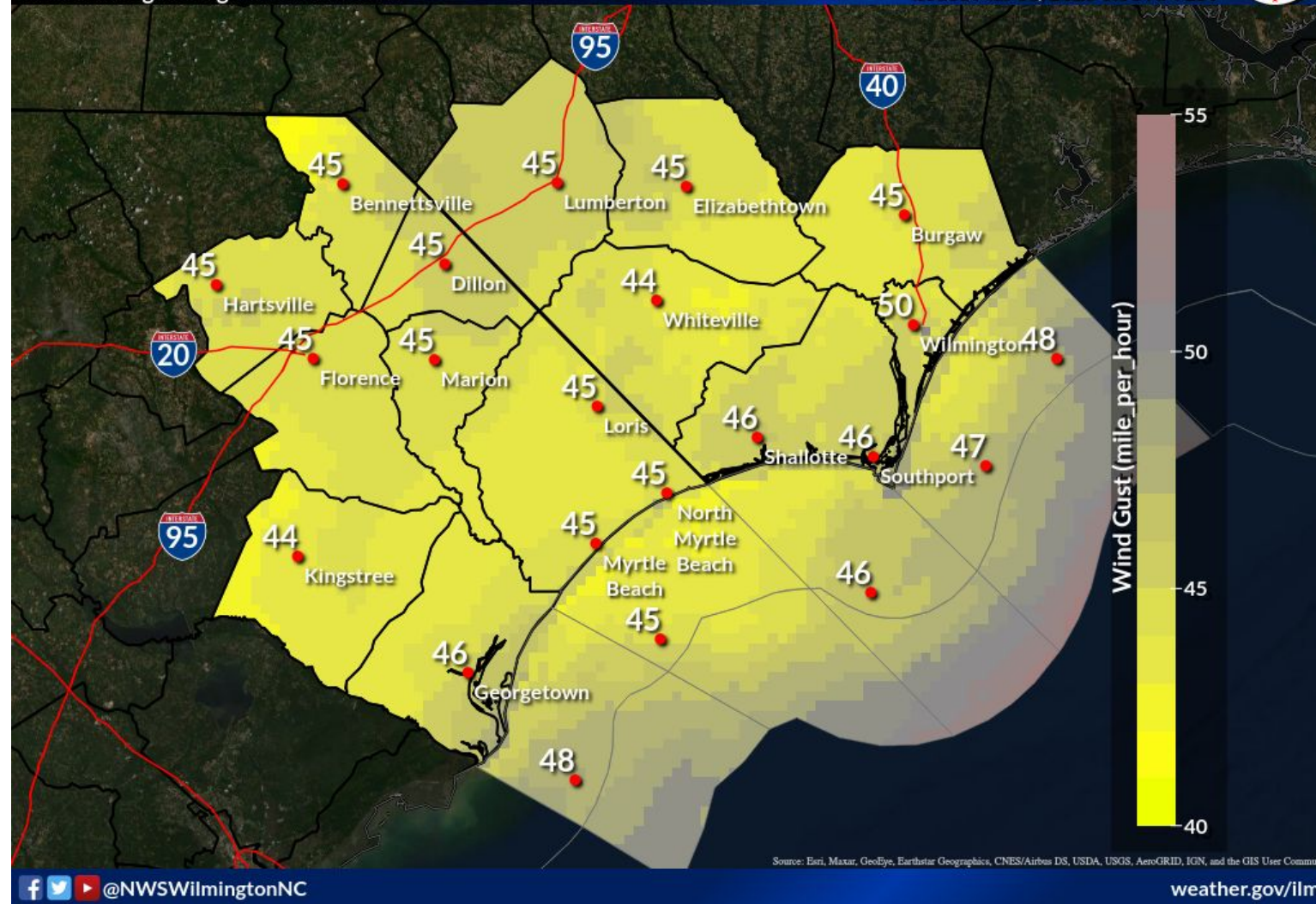
Peak gusts expected outside of showers or storms

## Peak Wind Gusts

This Morning through This Afternoon

Weather Forecast Office  
Wilmington, NC

Issued Mar 05, 2025 3:58 AM EST



## Timing



- **Wind Advisory** in effect for the entire area from 7 AM to 7 PM today
- Southerly winds will increase to 20 to 30 mph with gusts up to ~50 mph this morning
- Strong wind gusts will continue this afternoon behind the line of showers and storms.
- **Gale Warning** in effect from 7 AM today through 7 AM Thursday
- **NOTE: Shifting winds and higher wind speeds will be possible in/near any thunderstorms and stronger showers**

## Actions



- Prepare for hazardous travel conditions, especially on elevated roadways, and secure loose outdoor items/decorations.



# Rainfall Amounts - Wednesday

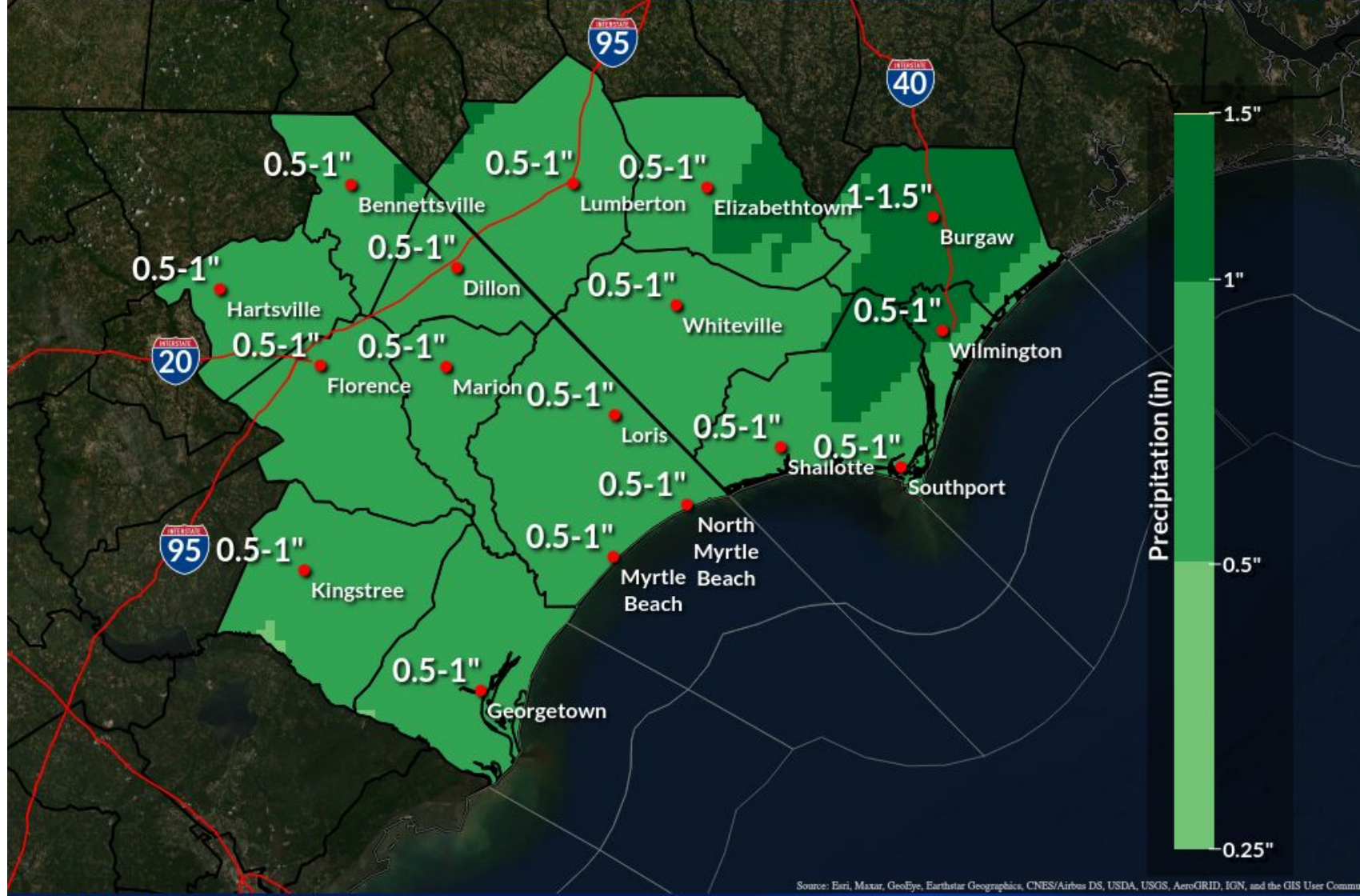
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## Storm Total Rainfall

Through 7 AM Thursday

Weather Forecast Office  
Wilmington, NC

Issued Mar 05, 2025 4:08 AM EST



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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## Timing



- Rain this morning through early or mid afternoon

## Amounts



- Most areas should expect around a half to 1 inch of rainfall, but locally higher amounts up to 1.5 inches are possible.

## Actions

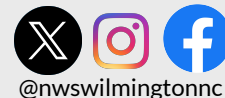


- Be aware of ponding on roadways during periods of heavy rain.



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

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National Weather Service  
Wilmington, NC





# Contact and Next Briefing Information

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 **Next Briefing:**  
None



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**Disclaimer:** Information contained in this briefing is time-sensitive. Do Not Use After: Wednesday, March 5, 2025 at 4 PM EST.

