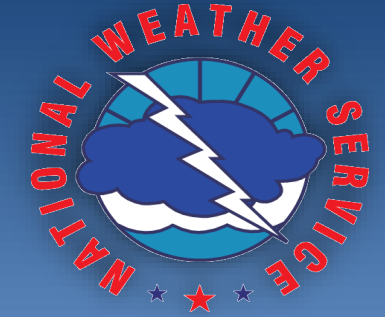
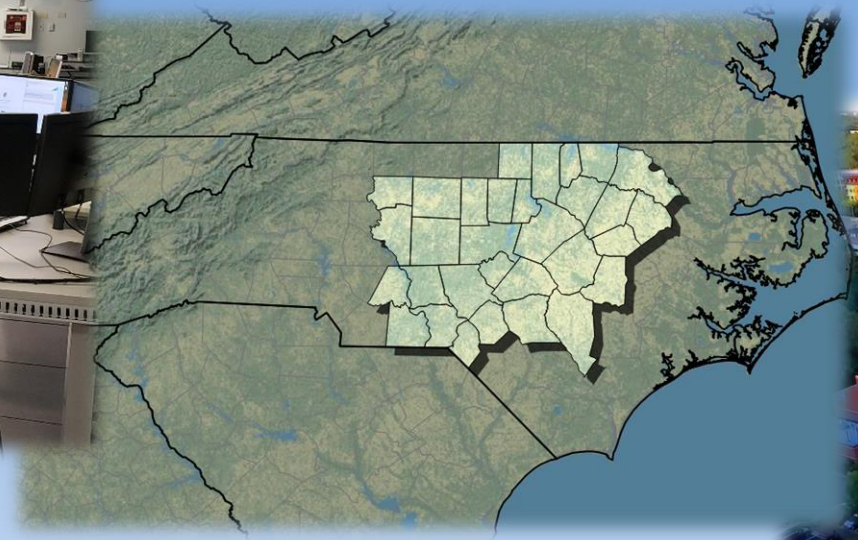




# Routine Weekly Briefing for Central North Carolina



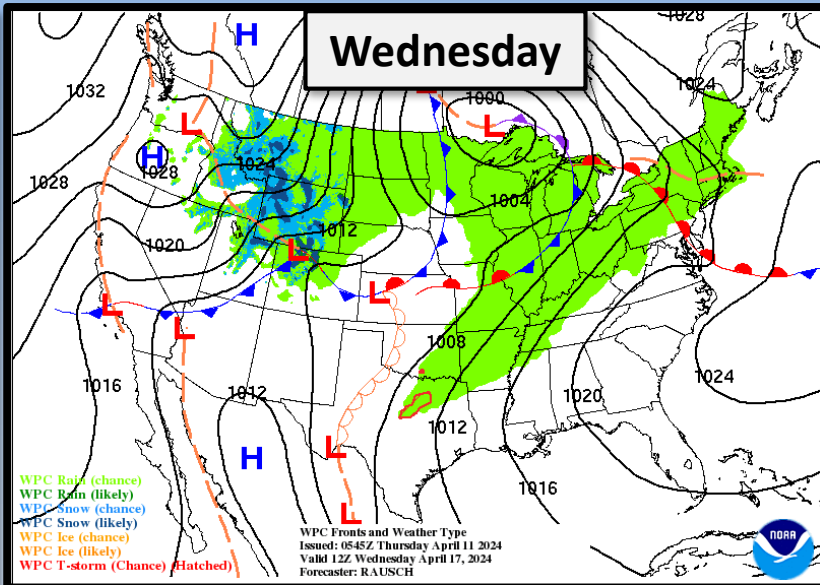
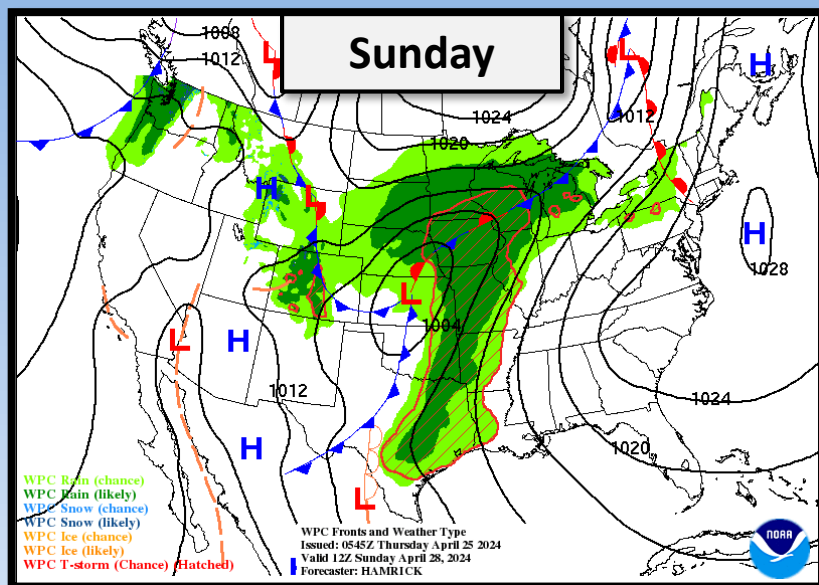
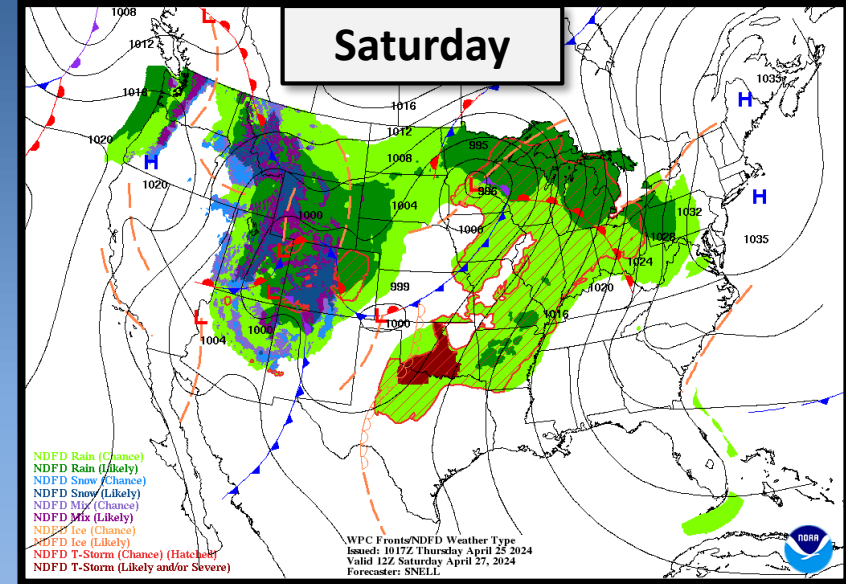
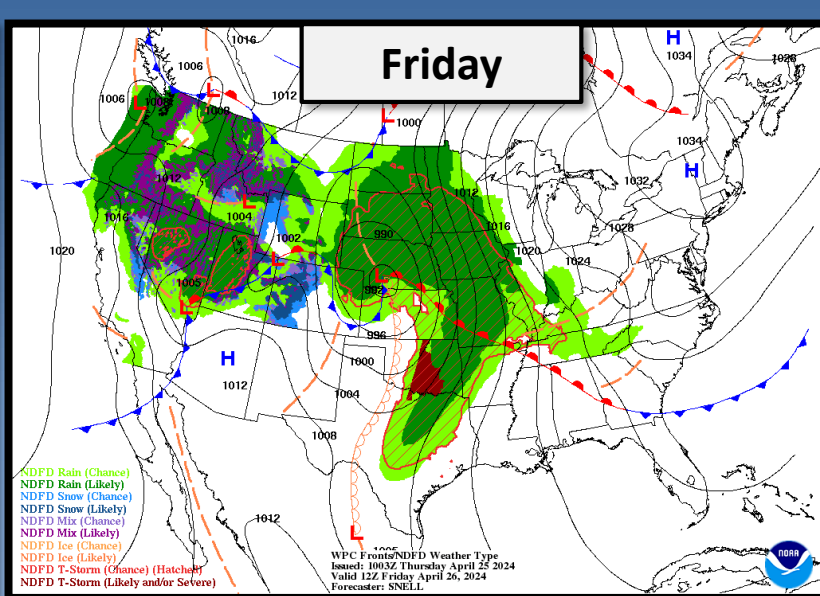
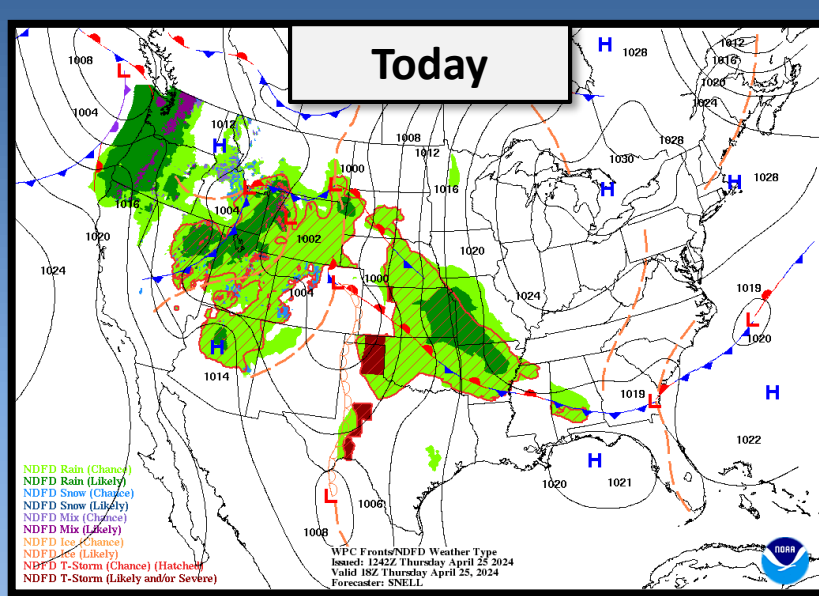
Covering the period Thursday through Wednesday  
April 25 – May 1, 2024



NWS Raleigh, NC

The purpose of these briefings is to give you an idea of what to expect weather-wise for the time period indicated above, and to give you a heads-up as to what types of weather hazards and weather impacts, if any, are possible.

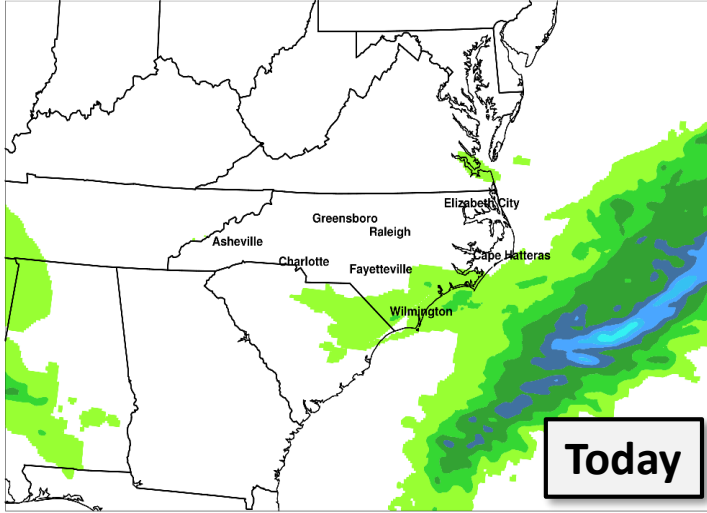
# The Upcoming Weather Pattern for Central NC



- Key Points:**
- Patchy light rain associated with a warm front could fall over the western Piedmont on Friday.
  - After dry weekend/Monday, diurnal showers/tstorms appear possible Tuesday/Wednesday.
  - Temps in the lower to mid 70s through Sunday, turning warmer into the 80s early next week.

# Accumulated Precipitation Forecasts Through the Next 5 Days

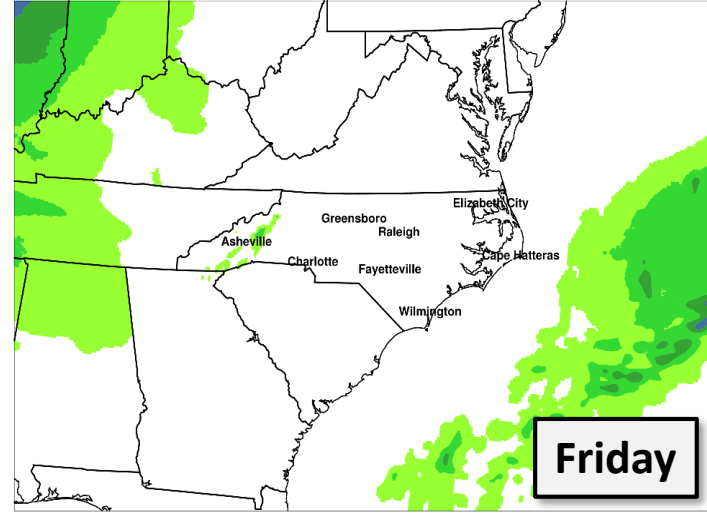
**Weather Prediction Center 24-Hour Day 1 Precipitation**  
 Issued: Wed 04/24/24 8 PM EDT Valid: 8 PM 04/24/24 - 8 PM 04/25/24 EDT



**Today**

National Weather Service Raleigh, NC

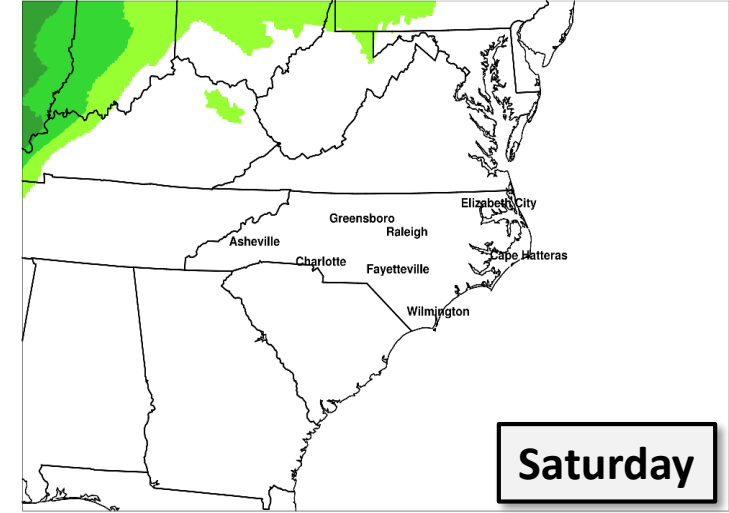
**Weather Prediction Center 24-Hour Day 2 Precipitation**  
 Issued: Wed 04/24/24 8 PM EDT Valid: 8 PM 04/25/24 - 8 PM 04/26/24 EDT



**Friday**

National Weather Service Raleigh, NC

**Weather Prediction Center 24-Hour Day 3 Precipitation**  
 Issued: Wed 04/24/24 8 PM EDT Valid: 8 PM 04/26/24 - 8 PM 04/27/24 EDT



**Saturday**

National Weather Service Raleigh, NC

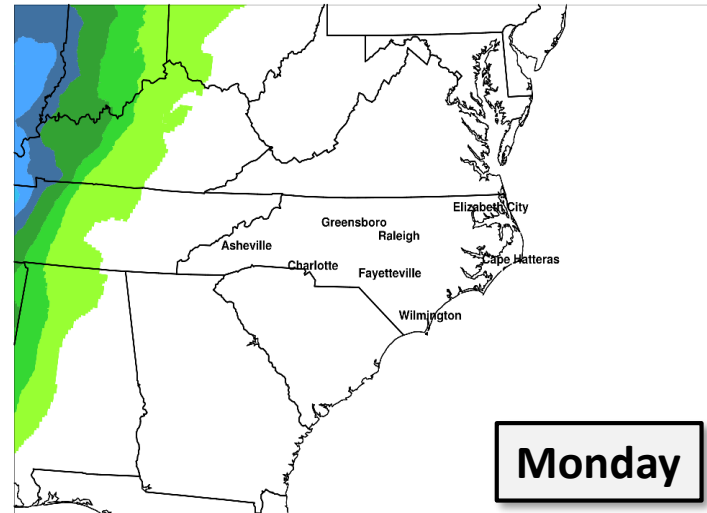
**Weather Prediction Center 24-Hour Day 4 Precipitation**  
 Issued: Wed 04/24/24 8 PM EDT Valid: 8 PM 04/27/24 - 8 PM 04/28/24 EDT



**Sunday**

National Weather Service Raleigh, NC

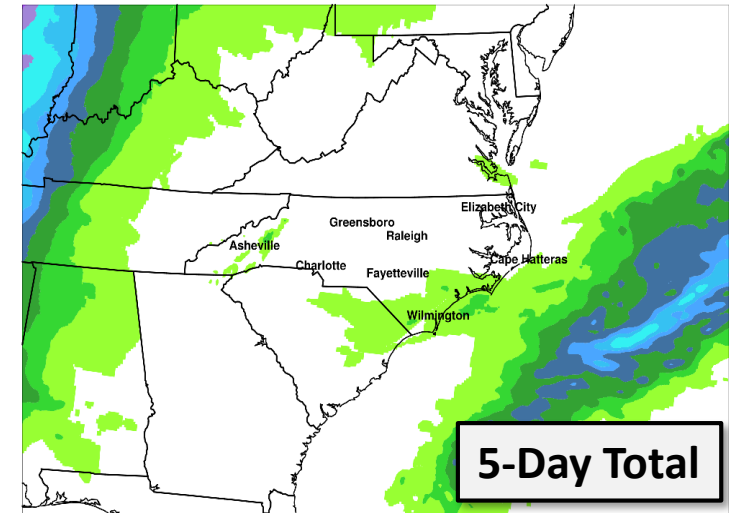
**Weather Prediction Center 24-Hour Day 5 Precipitation**  
 Issued: Wed 04/24/24 8 PM EDT Valid: 8 PM 04/28/24 - 8 PM 04/29/24 EDT



**Monday**

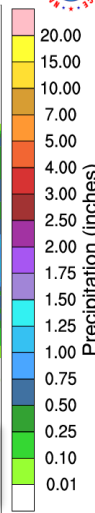
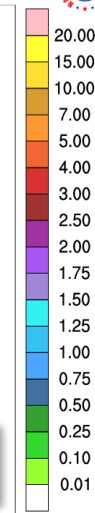
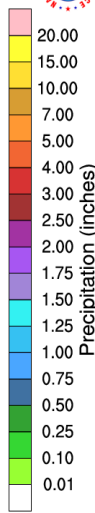
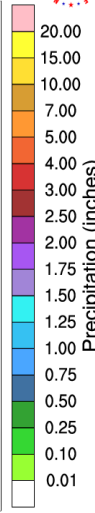
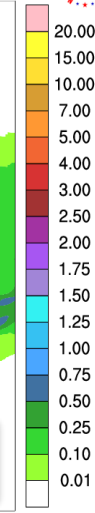
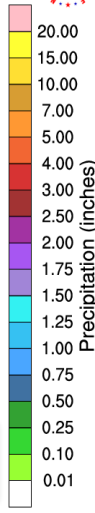
National Weather Service Raleigh, NC

**Weather Prediction Center 5-Day Precipitation**  
 Issued: Wed 04/24/24 8 PM EDT Valid: 8 PM 04/24/24 - 8 PM 04/29/24 EDT



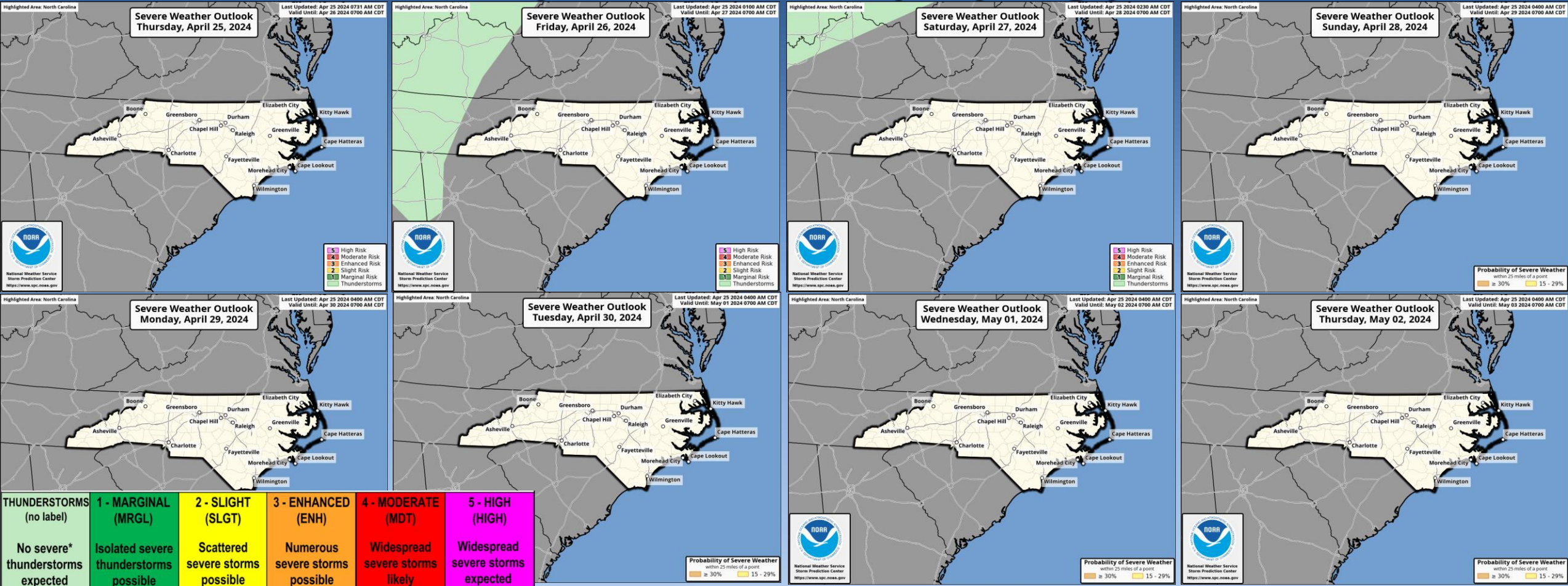
**5-Day Total**

National Weather Service Raleigh, NC



# Severe Thunderstorm Potential for Days 1-8

Courtesy of the Storm Prediction Center ([www.spc.noaa.gov](http://www.spc.noaa.gov))



THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
• Winds to 40 mph • Small hail	• Winds 40-60 mph • Hail up to 1" • Low tornado risk	• One or two tornadoes • Reports of strong winds/wind damage • Hail ~1", isolated 2"	• A few tornadoes • Several reports of wind damage • Damaging hail, 1 - 2"	• Strong tornadoes • Widespread wind damage • Destructive hail, 2" +	• Tornado outbreak • Derecho

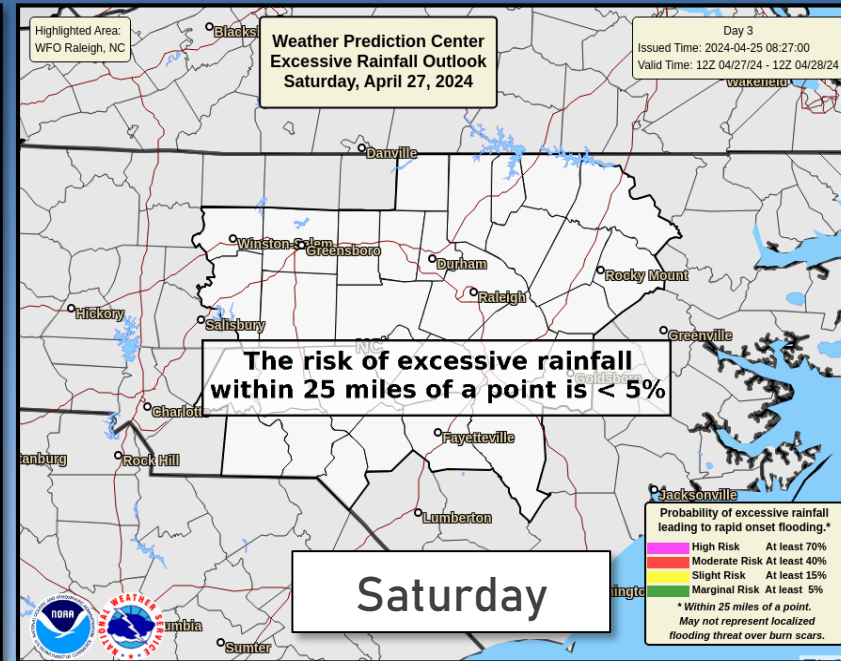
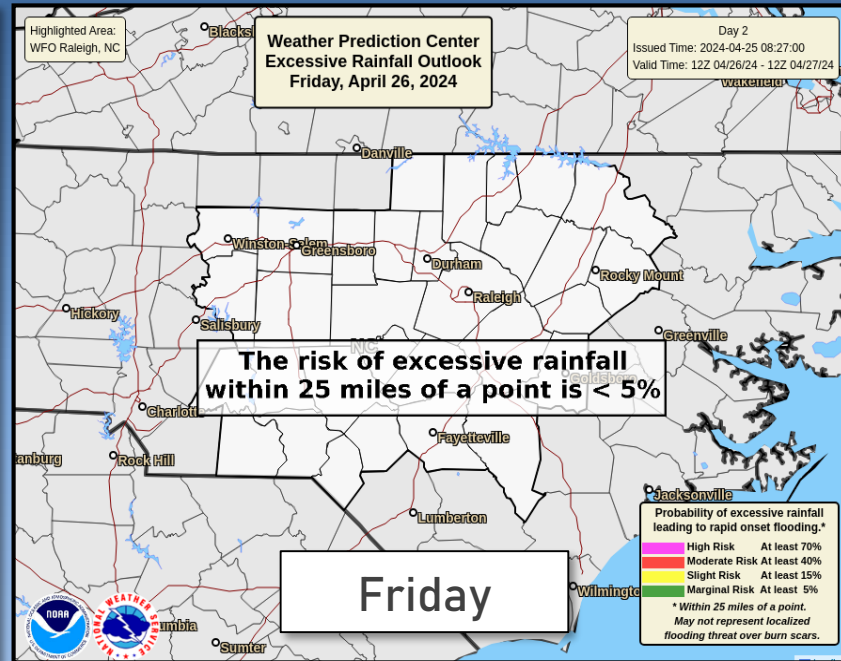
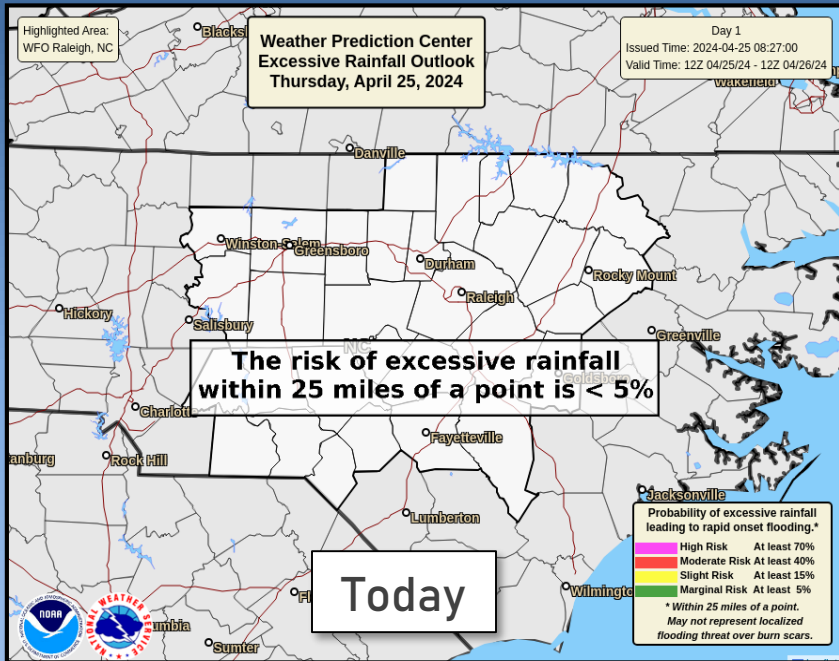
**Key Points:**

- Severe thunderstorms are not expected.

\* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.

# WPC's Excessive Rainfall Outlook

Courtesy of the Weather Prediction Center ([www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov))



## Understanding WPC Excessive Rainfall Risk Categories

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. Lives and property in greater danger.
<a href="http://www.wpc.ncep.noaa.gov">www.wpc.ncep.noaa.gov</a> @NWSWPC				
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
WEATHER PREDICTION CENTER				

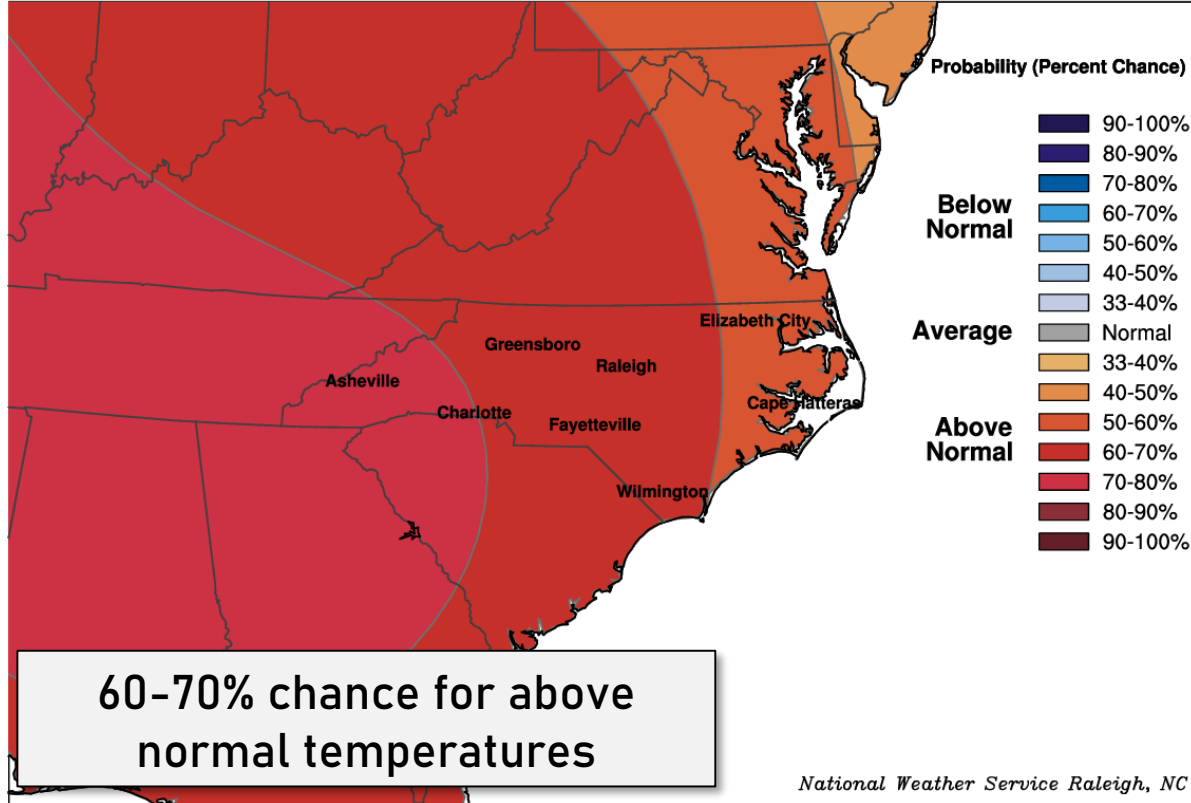
## Key Points:

- Flash flooding is not expected.

# 8 to 14 day Outlook Courtesy of the Climate Prediction Center

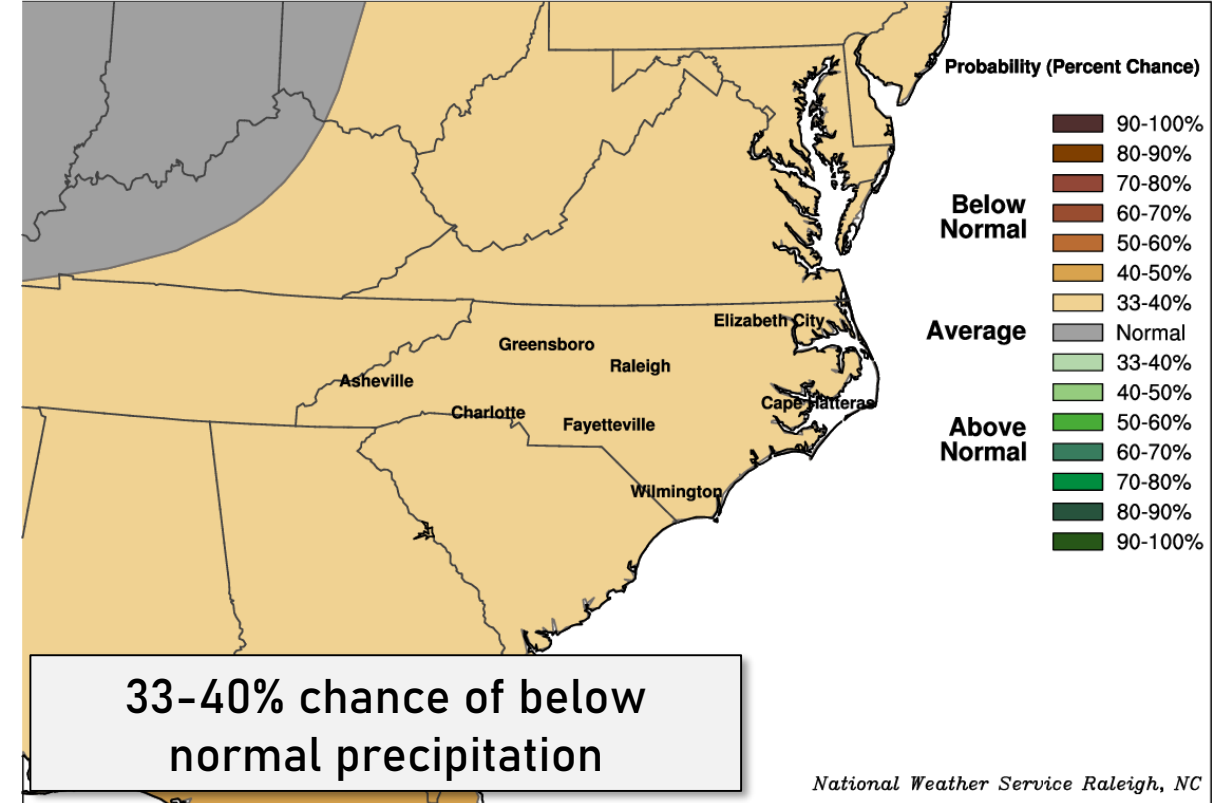
## 8-14 Day Temperature Outlook Updated: 04/24/24

Courtesy of the Climate Prediction Center Valid: May 2-8, 2024



## 8-14 Day Precipitation Outlook Updated: 04/24/24

Courtesy of the Climate Prediction Center Valid: May 2-8, 2024



Greensboro, NC  
Normal Temperatures  
Highs: 74°F  
Lows: 51°F

Raleigh, NC  
Normal Temperatures  
Highs: 76°F  
Lows: 53°F

Fayetteville, NC  
Normal Temperatures  
Highs: 78°F  
Lows: 55°F

# Latest NC Drought Update from the NC Climate Office

## North Carolina Drought Update

Created By: North Carolina Drought Management Advisory Council  
[www.ncdrought.org](http://www.ncdrought.org)



NC STATE

[climate.ncsu.edu](http://climate.ncsu.edu) @NCSCO

For the assessment period ending **Apr. 23, 2024**  
From the US Drought Monitor, with input from the NC DMAC

### The Main Takeaway

Abnormally Dry (D0) conditions have expanded in the northern Piedmont, where recent warmth and limited rainfall have led to emerging springtime impacts.

### This Week's Summary

Last weekend saw heavy rain and hail from storms in southeastern NC, but only light rain elsewhere in the state. That added another April week with below-normal rainfall, particularly across the Piedmont and northern coast. While warm weather continues to keep flowers blooming and green-up ahead of schedule, it is also drying out soils and vegetation more quickly.

### Next Week's Outlook

Temperatures will steadily climb through the weekend, from the low 70s on Thursday into the mid-80s by Monday. No significant rainfall is expected this week.

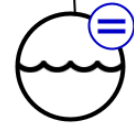
For your local drought status, visit [www.ncdrought.org](http://www.ncdrought.org)



For now, drier weather has been a positive for farmers, as **corn and tobacco planting is ahead of the five-year average pace**, per USDA/NASS.



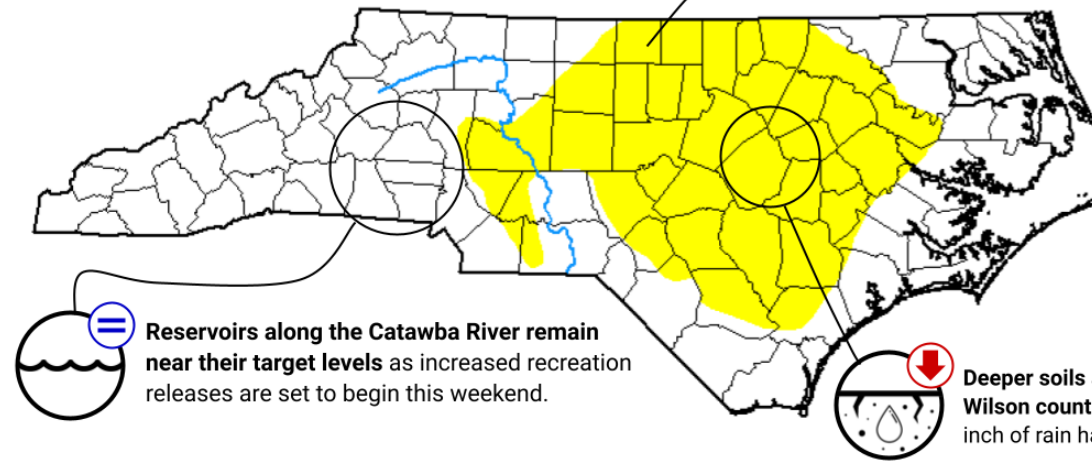
Yanceyville has had just **1.01 inches of rain all month so far**, on pace for its 4th-driest April since 1997.



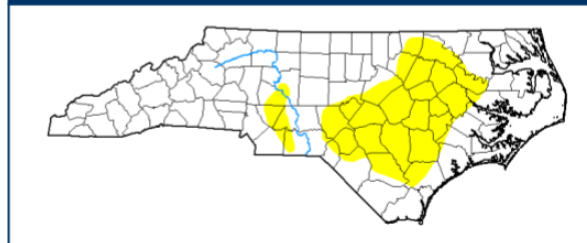
**Reservoirs along the Catawba River remain near their target levels** as increased recreation releases are set to begin this weekend.



**Deeper soils are dry in Johnston and Wilson counties**, where less than half an inch of rain has fallen in the past 2 weeks.













### Last Week's Drought Status



### Statewide Coverage by Category

Category	Current Coverage	Change Since Last Week
D0: Abnormally Dry	40.11%	+12.27%
D1: Moderate Drought	0.00%	0.00%
D2: Severe Drought	0.00%	0.00%
D3: Extreme Drought	0.00%	0.00%
D4: Exceptional Drought	0.00%	0.00%

# Experimental Graphical Hazardous Weather Outlook

	Today	Fri	Sat	Sun	Mon	Tue	Wed
 Severe Thunderstorm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Tornado	<input type="checkbox"/>	<input type="checkbox"/>					
 Thunderstorm Wind	<input type="checkbox"/>	<input type="checkbox"/>					
 Hail	<input type="checkbox"/>	<input type="checkbox"/>					
 Lightning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Excessive Rainfall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Excessive Heat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Wind	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Frost/Freeze	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Fog	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
 Fire Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Risk Level	Category
<input checked="" type="checkbox"/>	Marginal
<input checked="" type="checkbox"/>	Limited
<input type="checkbox"/>	Elevated
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Extreme





## Weather Summary

- High pressure settles off the Atlantic coast promoting mostly dry weather through Monday.
- Diurnal showers and thunderstorms will be possible Tuesday/Wednesday.
- Temperatures in the 70s through Sunday will trend some 10 to 15 degrees above normal early next week with mid to upper 80s possible.

## Hazards and Impacts

- No hazards are expected in this time period.

### 5-day forecast for Raleigh

