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.
North Carolina Drought Update
For the assessment period ending August 15, 2023

This Week’s Drought Monitor of North Carolina Map

Streamflows surged to daily record highs in the far western Mountains following several rounds of heavy rain last week.

Pitt County Extension notes cotton, soybeans, and peanuts are wilting following a bone-dry week there.

Falls Lake has fallen 0.6 feet below its target with August inflows running at just 16% of the monthly median.

Last Week’s Drought Map

Kinston has had just 0.70 inches of rain over the past 30 days, or nearly 5 inches below average.

Statewide Condition Summary

What’s Changed? Eastern NC has continued to dry out, including a widespread expansion of Abnormally Dry (D0) conditions and the emergence of Moderate Drought (D1).

What’s New? Last week’s rainfall was mostly confined to western NC, while much of the Piedmont and Coastal Plain continued a hot and dry start to August. That entrenched dryness is now having drought-like impacts to deeper soils, streams, and vegetation including crops.

What’s Next? Showers are possible along the coast through Friday morning along a stalled frontal boundary. Otherwise, expect dry weather through the rest of the week with temperatures hitting the mid-90s by Monday.

Statewide Coverage By Category

<table>
<thead>
<tr>
<th>Category</th>
<th>Coverage This Week</th>
<th>Change Since Last Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0: Abnormally Dry</td>
<td>31.68%</td>
<td>+22.25%</td>
</tr>
<tr>
<td>D1: Moderate Drought</td>
<td>1.39%</td>
<td>+1.39%</td>
</tr>
<tr>
<td>D2: Severe Drought</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>D3: Extreme Drought</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>D4: Exceptional Drought</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
</tbody>
</table>
The Upcoming Weather Pattern for Central NC

Key Points:

• Stationary front lingers across central NC through Friday.

• Stronger, but dry, cold front moves through late Friday through early Saturday.

• Drier air remains in place into early next week as temperatures rise into the mid/upper 90s once again Mon/Tues.

• Forecast confidence does decrease fairly substantially into early next week as an upper-level system moves across to the north of central NC.
Severe Thunderstorm Potential for Days 1-8
 Courtesy of the Storm Prediction Center (www.spc.noaa.gov)

Key Points:
• Chance for thunderstorms along the coast, but no severe weather expected at this time.
Accumulated Precipitation Forecasts Through the Next 5 Days

**Today**

**Friday**

**Saturday**

**Sunday**

**Monday**

**5-Day Total**
What rainfall totals MAY look like Thursday afternoon/evening.
WPC’s Excessive Rainfall Outlook

Key Points:
- Widespread excessive rainfall is not expected through the middle of next week.
8 to 14 day Outlook Courtesy of the Climate Prediction Center

**8-14 Day Temperature Outlook**

**Greensboro, NC**
Normal Temperatures
Highs: **85°F**
Lows: **63°F**

**Raleigh, NC**
Normal Temperatures
Highs: **87°F**
Lows: **67°F**

**Fayetteville, NC**
Normal Temperatures
Highs: **87°F**
Lows: **68°F**

**33-50% chance above normal temperatures**

**33-40% chance below normal precipitation**
NHC’s 7-Day Graphical Tropical Weather Outlook
Courtesy of the National Hurricane Center (www.hurricanes.gov)

Seven-Day Graphical Tropical Weather Outlook
National Hurricane Center Miami, Florida

Current Disturbances and Seven-Day Cyclone Formation Chance:
- < 40%
- 40-60%
- > 60%

Tropical or Sub-Tropical Cyclone:
- Depression
- Storm
- Hurricane

Post-Tropical Cyclone or Remnants

30% In the next 7 days

60% In the next 7 days

60% In the next 7 days
Weather Summary

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• Forecast confidence does decrease fairly substantially into early next week as an upper-level system moves across to the north of central NC.

Hazards and Impacts

• No hazardous weather is expected at this time.

Raleigh Area 7-day Forecast