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.
Dangerously Hot Today And Friday

Heat Advisory Today

Heat Index values of 105-109 possible in advisory area

Heat Tips & Safety

• If outdoors, find shade, drink plenty of fluids to stay hydrated, take frequent breaks, and wear loose, lightweight, light-colored clothing.

• Stay in air-conditioned indoor locations as much as you can.

• Check on friends or neighbors, particularly the elderly.

• Never leave children or pets in cars!

Take proper precautions if you have to be outside today!
Severe and Flash Flood Threat Today across Central NC

SPC has a Marginal Risk (Level 1 out of 5) of Severe Thunderstorms This Afternoon and Evening. The Main Threat will be Damaging Wind Gusts, mainly over the northern Piedmont counties. Isolated flooding possible, mainly in urban areas.
The Upcoming Weather Pattern for Central NC

Key Points:

- Scattered showers and storms, mainly across the northern Piedmont today.
- An increase in storm coverage Friday as a cold front approaches from the NW.
- A nearly stationary front will stall over the region over the weekend, resulting in numerous showers and storms, especially during the afternoon and evening. 2-Day rain totals of 1-2 inches possible, with localized higher amount up to 3 to 4 inches possible.
- Above normal rain chances will continue on Monday, followed by more in the way of more typical widely scattered diurnal storms for the middle part of next week.
- The high chances of rain and associated cloudiness will temper the heat through early next week.
Heaviest rain and greatest flooding threat from training of storms is Saturday and Sunday.
Today

Friday

Saturday

Key Points:
- Very moist air will be in place over the next several days, particularly over the weekend. Flooding will be possible across portions of central NC, especially in urban or poor drainage areas.
Key Points for central North Carolina:

- There is a marginal risk (level 1 of 5) for severe weather across the Piedmont today. The main threat will be damaging wind gusts.
The Tropics remain quiet.

No new tropical cyclones are expected during the next five days.

- No Disturbances

8:00 am EDT
Thu Jul 28 2022

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

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

Post-Tropical Cyclone or Remnants
Latest drought conditions courtesy of the NC State Climate Office

North Carolina Drought Update
For the assessment period ending July 26, 2022

This Week's Drought Monitor of North Carolina Map
From the US Drought Monitor, authored by Curtis Riganti (National Drought Mitigation Center) with input from the North Carolina Drought Management Advisory Council (ncdrought.org)

Early July rain helped rejuvenate corn crops in the western Piedmont, but some are turning brown again after a hot, dry past two weeks.

Streamflows on Ahoskie Creek have fallen to the historical 6th percentile for this time of year.

Fire activity has been limited in July, with 97 wildfires burning 100 acres so far this month, per NC Forest Service.

Statewide Condition Summary

What's Changed? Conditions improved at the southern coast thanks to locally heavy rain, but areas farther north slipped into Moderate Drought (D1) after a dry week.

What's New? The past week saw scattered showers, but the northern and central Coastal Plain again missed out and remain in drought. Elsewhere, the mid-summer heat is drying out soils and vegetation between rain events.

How Are Lake Levels? The major reservoirs across the Piedmont are up to a foot below their target levels, but holding steady thanks to the rain we have received. Looking ahead, some lakes will begin a drawdown to their wintertime targets beginning in about six weeks.

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: Abnormal Dry</td>
<td>41.26%</td>
<td>+0.19%</td>
</tr>
<tr>
<td>D1: Moderate Drought</td>
<td>6.45%</td>
<td>-1.02%</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>
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</tbody>
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This Infographic was created by NC CLIMATE OFFICE
Weather Summary

• Strong high pressure aloft, will result in a continuation of hot and humid conditions through Friday. Scattered afternoon storms will bring some relief from the heat for some locations.
• A stalled front combined with very moist air will support numerous showers and storms over the weekend, potentially lingering into Monday. 2-Day rain totals of 1 to 2 inches are expected, with localized higher amounts of 2 to 4 possible.
• Typical summer weather by the middle part of next week. Hot with late-day scattered t-storms.

Hazards and Impacts

• Dangerous Heat index values 105 to 109 degrees over portions of central and eastern NC today and Friday.
• High rain chances and associated clouds will temper the heat over the weekend and into the early part of next week.
• Isolated to scattered severe storms will be possible. Flash Flooding will also pose a threat.