IAN BRIEFING
for Central North Carolina

5:30 PM EDT
Friday, September 30, 2022

What has changed: Minor adjustments
Next Briefing: Saturday, October 1, at 5:30 AM EDT

Disclaimer: The information contained within is time-sensitive. Do not use after 5:30 AM EDT Saturday.
**Situation Overview**

**Ian**

- Ian has moved ashore as a Post Tropical Cyclone and is weakening.
- Conditions across central NC will be at their worst through mid to late evening with the heaviest rain and strongest winds.
- Impacts will include heavy rain, possible flash flooding, strong gusty winds, and isolated tornadoes (east of I-95).
- Conditions will quickly improve late tonight and into Saturday morning.
A Tropical Storm Warning remains in effect for most of central NC.
A Flood Watch remains in effect for all of central NC.
## Situation Overview

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
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<tbody>
<tr>
<td>Wind</td>
<td>Wind gusts of 35 to 50 mph will result in downed trees and power-lines, resulting in scattered power outages area-wide.</td>
<td>Central NC Greatest threat across the Sandhills and Southern Piedmont</td>
<td>Through tonight.</td>
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<tr>
<td>Flooding</td>
<td>3 to 5 inches of rain could result in localized flash flooding of streams, creeks, urban areas, and any other low-lying areas that are prone to flash flooding.</td>
<td>Central NC Greatest threat across the southern Piedmont, Yadkin Valley and Sandhills.</td>
<td>Through early Saturday morning.</td>
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<tr>
<td>Tornado</td>
<td>There is a small risk (level 2 of 5) for isolated tornadoes.</td>
<td>East of Interstate 95 and north of Interstate 40.</td>
<td>Through the evening.</td>
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<tr>
<td>River</td>
<td>There is a risk for minor river flooding of the main stem rivers across central NC. Given the recent dry conditions this past summer, moderate or higher river flooding is unlikely.</td>
<td>Central NC</td>
<td>Through early next week.</td>
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</table>
For information on specific hazards in this area, please go to https://www.weather.gov/srh/tropical?office=rah
Ian Timeline

Widespread rain, heavy at times, will result in some accumulation of water in low-lying and flood prone locations, with localized and urban flooding possible. Winds will remain high with gusts of 35 to 50 mph possible, decreasing by late evening. An isolated tornado is possible east of I-95 and north of I-40 through mid evening.

Through this evening

Tonight

Saturday

Saturday night

Sunday

Heavy rain and winds will decrease from south to north after midnight. Flooding could linger overnight as area rivers and creeks rise.

Much improved conditions with gustiness subsiding throughout the day. Isolated to scattered showers are possible, mainly in the Triad and northern Piedmont. Isolated flooding possible due to runoff from earlier rainfall. Minor river flooding is possible.

- No hazardous weather impacts expected
- Isolated and/or modest impacts with low threat to life and property
- Localized dangerous impacts that could lead to a threat to life and property
- Impacts that could lead to a significant threat to life and property
- Extreme impacts with widespread and/or prolonged life-threatening situation

Last Updated: 9/30/2022 5:27 PM
National Weather Service – Raleigh, NC
Timing of Precipitation

What the radar may look like at...

6:00 pm Fri, Sep 30, 2022
8:00 pm Fri, Sep 30, 2022
10:00 pm Fri, Sep 30, 2022
12:00 am Sat, Oct 01, 2022
3:00 am Sat, Oct 01, 2022
6:00 am Sat, Oct 01, 2022
When combined with saturated soils, wind gusts of 35 to 50 mph will result in downed trees and power lines. Expect continued scattered power outages across central NC.
Central NC Impacts:

- Storm total of 3 to 5 inches of rain is expected, with locally higher amounts. Rainfall of this magnitude could result in flash flooding, especially in urban and low-lying areas.

- The heaviest rain is expected to fall through this evening.
Central NC Impacts:

- Main threat for tornadoes is east of the Interstate 95 corridor through mid evening.
Tornado Potential

Tornado Watch

Valid Until
10:00 PM EDT Friday
September 30, 2022

Threat Information

- **TORNADOES**
  A few Tornadoes Possible

- **HAIL**
  No Hail Expected

- **WIND**
  Isolated Gusts
  Up To 70 MPH Possible

Potential Exposure

Population: 4,669,282
Schools: 1,295
Hospitals: 82

Last Updated: 9/30/2022 5:27 PM
National Weather Service – Raleigh, NC
Central NC Impacts:

- Due to recent dry conditions, any flooding on main stem rivers is expected to be minor.

- Based on expected rainfall amounts of 3 to 5 inches, the Rocky River near Norwood is expected to reach minor flood stage during the late evening and overnight into Saturday.
Central NC Impacts:

- Due to recent dry conditions, any flooding on main stem rivers is expected to be minor.

- Based on expected rainfall amounts of 3 to 5 inches, the Haw River near Bynum will approach minor flood stage on Saturday.
River Flood Potential

Ian

Here is the latest hydrograph for the Deep River near Moncure
The blue line is observed stage data and the purple line is the forecast from the River Forecast Center. This data can be found on the AHPS site here: weather.gov/rah/rivers

Central NC Impacts:

- Due to recent dry conditions, any flooding on main stem rivers is expected to be minor.

- Based on expected rainfall amounts of 3 to 5 inches, the Deep River near Moncure will approach minor flood stage on Saturday.
Confidence is HIGH regarding impacts

- A total of 3 to 5 inches of rain, with locally higher amounts is expected through tonight/early Saturday. Heavy downpours could result in localized flash flooding of streams, creeks, urban areas, and any other low-lying areas that are prone to flash flooding.

- Wind gusts of 35 to 50 mph could result in scattered power outages and some wind damage across central NC, especially over the Sandhills and southern Piedmont. The combination of wet ground with these gusts could blow down weakened or leaning trees.

- There is a small risk (level 2 of 5) for isolated tornadoes east of Interstate 95. Tropical cyclone tornadoes are typically very isolated, spin up very quickly and have very short damage paths. That said, do not delay seeking shelter if a tornado warning is issued for your area or if you see or hear threatening weather approaching.

- There is a risk for minor river flooding of the main stem rivers across central NC late today into early next week. Given the recent dry conditions this past summer, moderate or higher river flooding is unlikely.
Next Briefing:
Saturday 5:30 AM EDT
Method: Email

For the latest graphics and information go to: www.hurricanes.gov or weather.gov/rah/tropical