What has changed: A STORM SURGE WATCH has been issued farther north.

Next Briefing: 7:00 AM EDT Wednesday

Disclaimer: The information contained within is time-sensitive. Do not use after 7:00 AM EDT Wednesday.
<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storm Surge/Inundation</td>
<td>There is the potential for life threatening storm surge inundation.</td>
<td>Initial impacts will be along the Oceanside. The threat will transition north and to sound side areas as the storm moves through our area.</td>
<td>Wednesday night through Friday.</td>
</tr>
<tr>
<td>Flooding Rain</td>
<td>Prolonged periods of heavy rainfall could lead to flash flooding and water covered roads.</td>
<td>Anywhere across eastern North Carolina. Based on the current track, highest totals are expected for coastal areas, closer to the center of the storm.</td>
<td>Wednesday through Friday.</td>
</tr>
<tr>
<td>Wind</td>
<td>There is the potential for life threatening winds/wind damage which could lead to downed trees, power and communication outages.</td>
<td>Anywhere across eastern North Carolina, but based on current track highest threat is along the coast.</td>
<td>Wednesday night through Friday.</td>
</tr>
<tr>
<td>Tornado</td>
<td>There is the potential for increased tornado activity.</td>
<td>Anywhere across eastern North Carolina, but based on current track highest threat is along the coast.</td>
<td>Wednesday night through Friday.</td>
</tr>
<tr>
<td>Marine</td>
<td>Very dangerous to extreme marine conditions are likely.</td>
<td>All coastal and nearshore waters.</td>
<td>Wednesday through Saturday.</td>
</tr>
</tbody>
</table>
Immediate Concerns to Eastern North Carolina

- Confidence is high that we will see direct impacts, possibly starting as early as late Wednesday night, with the greatest impacts likely Thursday and Friday.

- Increasing threats for life-threatening storm surge, heavy rain, and strong winds across our area.

Key Takeaways

- Don’t focus on the track alone. Impacts will occur well away from the center. Remember the category of the storm is ONLY related to wind, it says nothing about the impacts of heavy rain, storm surge, tornadoes etc.

- Now is the time to complete your hurricane preparedness plans.
Threat Levels
Hurricane Dorian

Forecasts for Hurricane Dorian

**Winds**
- High

**Surge**
- High

**Rainfall/Flooding**
- High

**Tornadoes**
- Low

**Flooding**
- High

**Threat Levels**

**Forecast Confidence**

Confidence continues to increase that life threatening storm surge is possible in our area. In addition the threat continues to increase that we will see life threatening flash flooding and strong winds.

For information on specific hazards in this area, please go to weather.gov/mhx/tropical
Storm Surge WATCH

Hurricane Dorian

• Potential for life threatening storm surge in the WATCH area

• WATCHES may be expanded with time. This is a fluid forecast, check back for updates!
Impacts

• Severe beach erosion with significant dune loss

• Large sections of near-shore escape routes and secondary roads washed out or severely flooded

• Threat may expand with time
Areas of greatest risk:

- Surf City To Cape Lookout:
  4 to 7 feet above ground
- North of Cape Lookout to Duck:
  3 to 5 feet above ground
- Sound side/Rivers:
  3 to 5 feet above ground

Timing

- Storm surge inundation could begin as early as Thursday
Impacts

- Flood waters could enter structures within multiple communities
- Many places where flood waters may cover escape routes
Storm Total rainfall forecast valid through Friday

Mostly concerned with heavy rain leading to flash flooding

Recent dry weather and storm track would not favor a major river flood event in our area

Note: Locally higher amounts up to 15 inches are possible.
Wind Threat
Hurricane Dorian

Impacts

- Large areas with power and communication outages
- Many large trees snapped or uprooted along with fences blown over
The most likely time of arrival of tropical storm force winds for eastern North Carolina is sometime Thursday.

However, this area could see tropical storm force winds as early as late Wednesday night.
Impacts

- A few places may experience tornado damage, along with power and communication disruptions
- The yellow shaded area may expand with time
Key Take-Aways
Hurricane Dorian

✓ Confidence is HIGH that the event will occur
✓ Confidence remains MODERATE regarding exact impacts

There is the potential for life threatening storm surge inundation.

Prolonged periods of heavy rainfall could lead to flash flooding and water covered roads.

There is the potential for life threatening winds/wind damage which could lead to downed trees, power and communication outages.

There is the potential for increased tornado activity.

Very dangerous to extreme marine conditions expected. High risk for rip currents continues.
Contact and Next Briefing Information

Next Briefing:
When: By 7:00 AM EDT Wednesday
Method: E-mail

Web: [weather.gov/newport](http://weather.gov/newport)
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Tropical Briefing Webpage: [weather.gov/mhx/tropical](http://weather.gov/mhx/tropical)