Potential Severe Weather and Minor Flood Event

Decision Support Briefing # 1

As of:
5 pm Wednesday, April 29th

What Has Changed?
✓ This the first briefing.
### Main Points

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Damaging Thunderstorm Wind Gusts</strong></td>
<td>Localized downed trees and powerlines, and isolated structural damage associated with the strongest storms.</td>
<td>All of eastern North Carolina.</td>
<td>Thursday morning and afternoon.</td>
</tr>
<tr>
<td><strong>Tornadoes</strong></td>
<td>Localized areas of enhanced damage to structures and infrastructure.</td>
<td>All of eastern North Carolina.</td>
<td>Thursday morning and afternoon.</td>
</tr>
<tr>
<td><strong>Strong Sustained Winds</strong></td>
<td>Strong southerly winds could lead to minor wind damage and power outages along the coast.</td>
<td>Coastal North Carolina from Eastern Carteret County to the Outer Banks.</td>
<td>Late tonight through early Thursday evening.</td>
</tr>
<tr>
<td><strong>Coastal Flooding/High Surf</strong></td>
<td>Minor beach erosion and dangerous surf conditions at the beaches. Minor inundation of very low lying areas.</td>
<td>Area beaches and soundside for areas vulnerable to Southeast to South wind exposure.</td>
<td>Late tonight through early Thursday evening.</td>
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<tr>
<td><strong>Marine</strong></td>
<td>Very strong winds and dangerous seas. Conditions will be hazardous to all mariners.</td>
<td>All marine areas around eastern North Carolina.</td>
<td>Tonight through Thursday night.</td>
</tr>
</tbody>
</table>
Summary of Greatest Impacts

- **Damaging Thunderstorm Wind Gusts:** All of Eastern NC
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Tornadoes:** All of Eastern NC
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Strong Sustained Winds:** Coastal NC
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Coastal Flooding:** Coastal NC
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme

- **Marine:** All Marine Areas
  - None
  - Limited
  - Elevated
  - Significant
  - Extreme
**Timing:**
- Thursday morning through afternoon

**Impacts:**
- **Strong, damaging winds** in thunderstorms could lead to structural damage, trees down/uprooted, and power outages.
- **Isolated Tornadoes possible**, resulting in areas of enhanced damage.
Wind Advisory issued from Down east Carteret County to the Outer Banks. Gale Warnings issued for all area coastal waters and Sounds.
Minor Coastal Flooding Possible
Thursday and Thursday Evening

Thursday and Thursday Evening

Minor Soundside Flooding of very low lying areas, mainly north of Buxton to Roanoke Island.
High threat of Rip Currents, Dangerous Surf, and Beach Erosion all beaches.
Storm Total Rainfall

Thursday

Weather Forecast Office
Newport/Morehead City, NC
Issued Apr 29, 2020 3:52 PM EDT

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Max Wave Heights

Thursday

Weather Forecast Office
Newport/Morehead City, NC
Issued Apr 29, 2020 4:39 PM EDT

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Event Summary

Severe Weather and Minor Flooding Possible
Thursday morning and afternoon

- Strong thunderstorms may bring damaging wind gusts and a brief tornado. Torrential downpours will result in minor flooding of lying areas.
- Strong Southerly winds will occur along the coast into Thursday Evening.

Strong, damaging winds in thunderstorms could lead to structural damage, trees down/uprooted, and power outages.

Isolated tornadoes possible, resulting in areas of enhanced damage.

Dangerous surf conditions and beach erosion possible all beaches. Minor coastal flooding possible soundside OBX from north of Buxton to Roanoke Island, as well as northwest portions of the Pamlico Sound.
Contact and Next Briefing Information

Next Briefing
*When:* by 6 AM Thursday, April 30th

Briefing Webpage

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Disclaimer: The information contained within this briefing is time-sensitive, do not use after 6 am April 30th