January 12-13, 2024 Storm

Decision Support Briefing #2
As of: 6 PM, January 10, 2024

What Has Changed?

✔ No significant changes to the forecast for Friday through Saturday

✔ Coastal Flood Watch issued for the Friday night into Saturday high tides on the Delaware River and Barnegat Bay

✔ Gale Watch issued for all coastal waters for Friday night
<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
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<tbody>
<tr>
<td>Heavy Rain/Flooding</td>
<td>0.5 to 1.5 inches possible. Flooding will be exacerbated for rivers that will still be in flood. Urban and small stream flooding.</td>
<td>Entire region. The most significant river flooding potential for northern NJ and southeast PA.</td>
<td>Heaviest rain Friday night through Saturday morning. River flooding risk continues through Saturday and beyond.</td>
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<td>Wind</td>
<td>Southeast to south winds Friday night, turning southwest to west into Saturday. Tree damage and power outages possible, especially closer to the coast.</td>
<td>Inland areas: potential for 40 to 50 mph gusts. Coastal areas: potential for 50 to 60 mph gusts.</td>
<td>Strongest winds more likely to occur Friday night, however strong winds continue into Saturday.</td>
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<td>Marine</td>
<td>Gale-force wind gusts. Potential for storm-force gusts near 50 kts. Dangerous seas building to 8 to 12 ft; lower on DE Bay.</td>
<td>All Atlantic coastal waters of New Jersey and Delaware, including Delaware Bay.</td>
<td>Friday night. High seas and Gales persist through at least Saturday night.</td>
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<td>Coastal Flooding</td>
<td>Minor to potentially moderate coastal flooding. Greatest chance for moderate coastal flooding will be along the tidal Delaware River and Barnegat Bay.</td>
<td>New Jersey and Delaware coasts, tidal Delaware Bay, Chesapeake Bay, tidal Delaware River and tributaries.</td>
<td>Coastal flooding is possible beginning with the high tides Friday through Saturday.</td>
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Summary of Greatest Impacts

**Heavy Rain / Flooding: Entire Region**
- None
- Limited
- Elevated
- Significant
- Extreme

**Wind: Entire Region – Strongest along coast**
- None
- Limited
- Elevated
- Significant
- Extreme

**Marine: NJ/DE Coastal Waters and DE Bay**
- None
- Limited
- Elevated
- Significant
- Extreme

**Coastal Flooding: NJ & DE Coasts; DE Bay/River; Chesapeake Bay**
- None
- Limited
- Elevated
- Significant
- Extreme
Moderate to Major River Flooding

Some smaller streams and creeks in flood will continue to recede. Many rivers will remain in flood stage through the next rain event, with areas of moderate to major river flooding in the Raritan and Passaic basins.

Slower-responding rivers may not crest until Friday.

Monitor area rivers levels, forecasts & crests: [https://www.weather.gov/phi/hydrodashboard](https://www.weather.gov/phi/hydrodashboard)

Or as always, visit [water.weather.gov](http://water.weather.gov)
MINOR to MODERATE coastal flooding is possible Friday night and Saturday.
Heaviest rain Friday night. Normally, this type of rainfall would mainly result in minor flooding. However, with moderate to major river flooding will continue into the end of the week, especially for portions of eastern PA and northern NJ. This new rainfall will exacerbate river flooding. Additional urban and small stream flooding is possible, though is unlikely to be as widespread or severe as the outgoing system.

Heaviest rain focused across northern NJ and northeast PA due to very strong southeast flow into the higher terrain.
High Winds Friday night through Saturday

Friday night:

Inland areas: Southeast winds 20 to 30 mph with 40 to 50 mph gusts.

Coastal areas: Southeast winds 30 to 40 mph with 50 to 60 mph gusts.

Saturday:

Southwest to west winds 20 to 30 mph with gusts up to 45 mph possible.
Event Summary

- **Flooding:** Several rivers experiencing moderate to major flooding, especially across northern NJ and southeast PA, will remain in flood stage through the end of the week. Another storm with as much as 1.5 inches of new rain Friday night through Saturday will exacerbate flooding.

- **Coastal Flooding:** Some areas of minor coastal flooding continue Wednesday evening for Barnegat Bay and back bays of Sussex County (DE). MINOR to MODERATE coastal flooding possible once again Friday night and Saturday.

- **Strong/Damaging Winds:** For Friday night, southeast to south winds gusting as high as 50 mph for inland areas and as high as 60 mph for coastal areas. West to southwest winds with gusts as high as 45 mph continue on Saturday.

- **Marine:** Gale force winds are likely Friday night with potential for storm force gusts, and then Gale force winds are likely Saturday through at least Saturday night. Dangerous seas will build to 8 to 12 feet Friday night and Saturday.
Contact and Next Briefing Information

Next briefing:
by 7 AM Thursday,
January 11, 2024

Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf

Disclaimer: The information contained within this briefing is time-sensitive, do not use after the next briefing package issuance