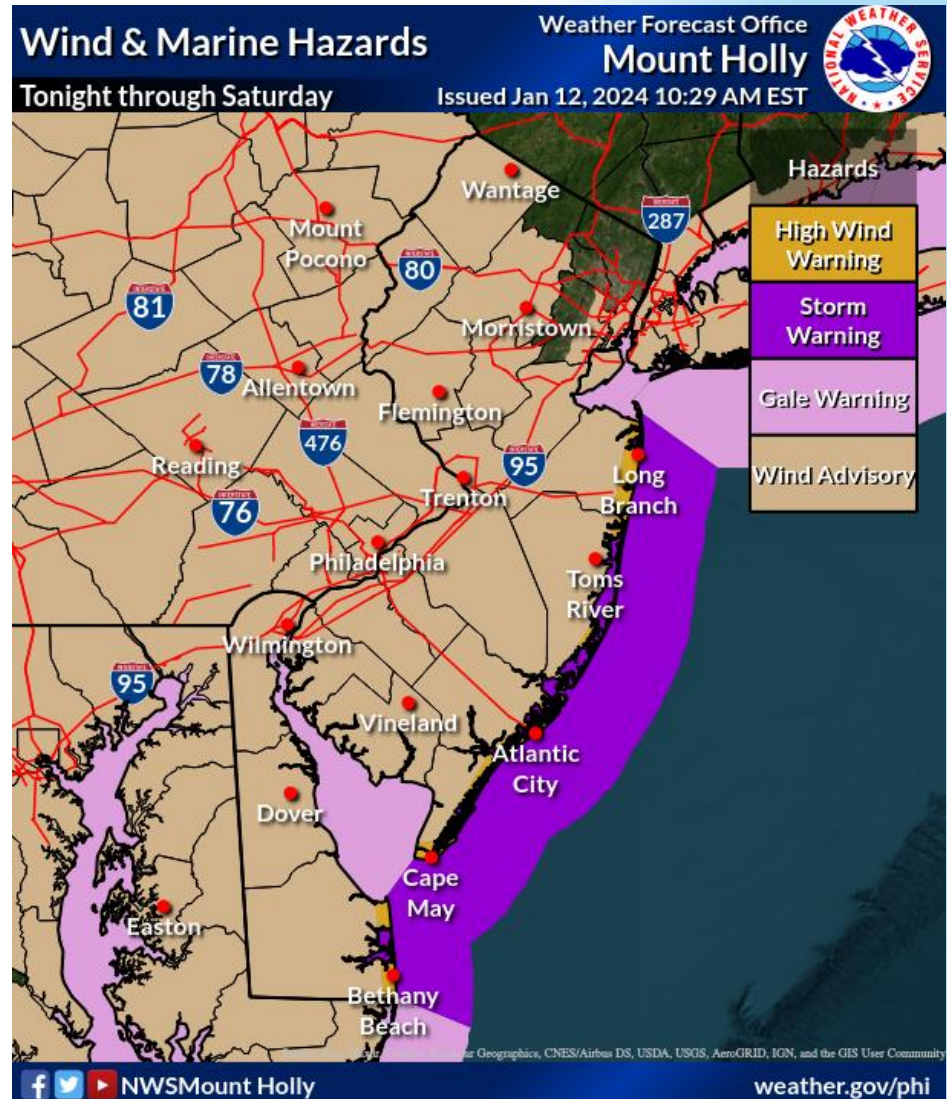






January 12-13, 2024 Storm

Decision Support Briefing #5 Update As of: 10 AM, January 12, 2024

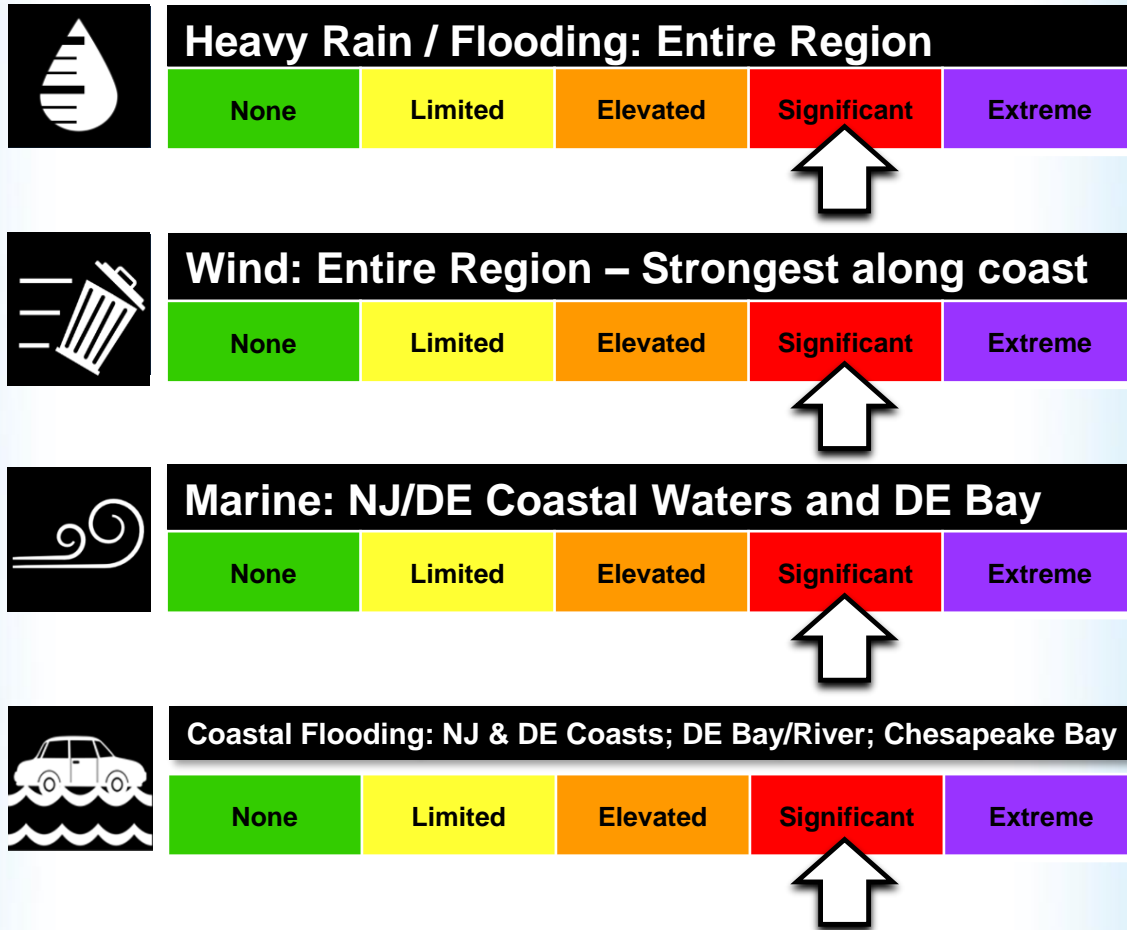
What Has Changed?

- ✓ *High Wind Warning issued for the immediate coastal strip and Wind Advisory expanded into the entire forecast area*
- ✓ *Coastal Flood Warnings and Advisories in effect for the high tides tonight through Saturday*
- ✓ *Storm Warning in effect for all Atlantic coastal waters and Gale Warning in effect for Delaware Bay*
- ✓ *Flood Watch in effect for portions of New Jersey, Pennsylvania, and Delaware*

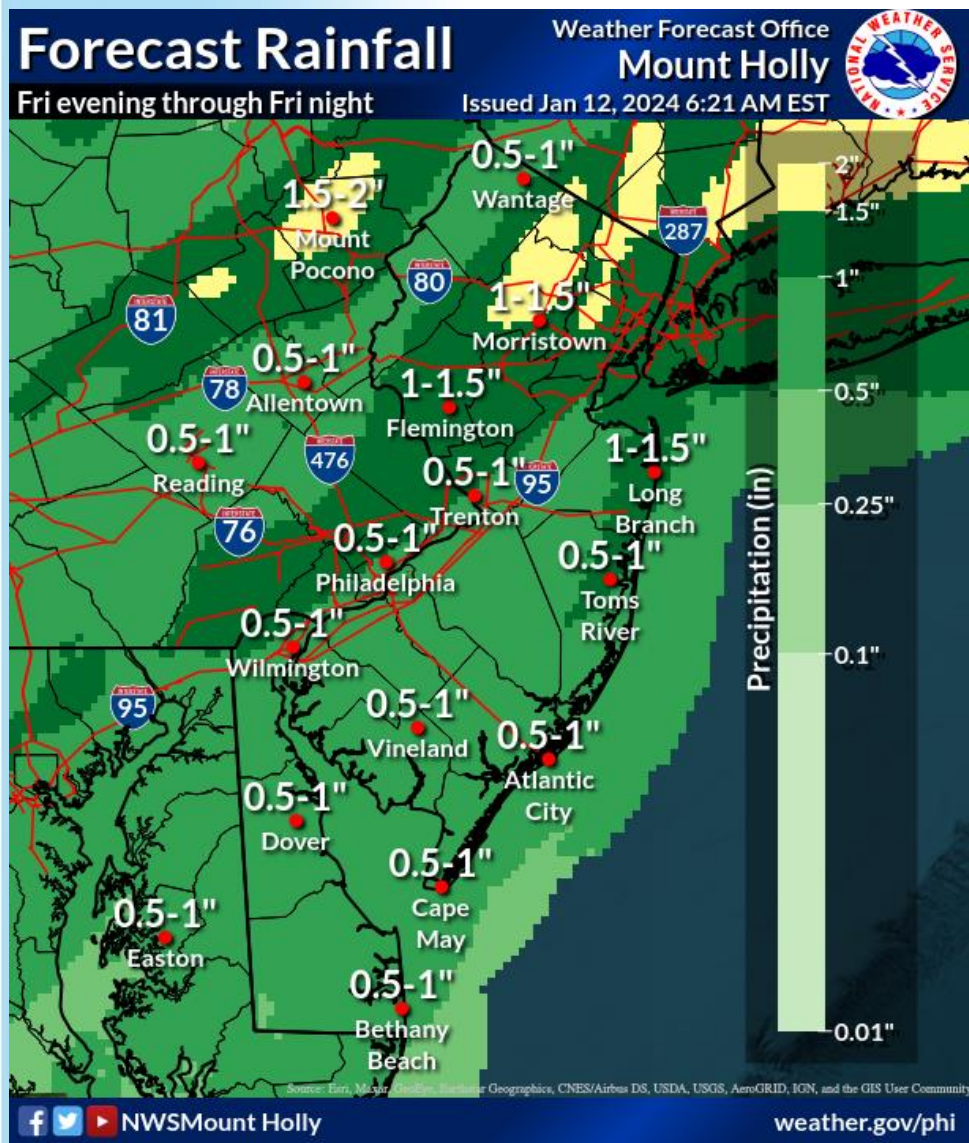


Hazard	Impacts	Location	Timing
Heavy Rain/ Flooding 	<p>0.5 to 1.5 inches is forecast. Flooding will be exacerbated for rivers that will still be in flood. Urban and small stream flooding.</p>	<p>Entire region. The most significant river flooding potential for northern NJ and southeast PA.</p>	<p>Heaviest rain tonight. River flooding risk continues through Saturday and beyond.</p>
Wind 	<p>Southeast to south winds Friday night, turning southwest to west into Saturday. Tree damage and power outages possible, especially near the coast and near Delaware Bay.</p>	<p>Inland areas: Wind gusts of 40 to 50 mph expected. Coastal areas: Wind gusts of 50 to 55 mph expected. Some gusts near 60 mph possible along the coast.</p>	<p>Strongest winds occurring tonight, however strong winds continue into Saturday.</p>
Marine 	<p>Gale to storm force wind gusts of 45-50 kts; strongest over the ocean. Dangerous seas building to 8 to 12 ft; lower on DE Bay.</p>	<p>All Atlantic coastal waters of New Jersey and Delaware, including Delaware Bay.</p>	<p>Tonight. High seas and Gales persist through at least Saturday night.</p>
Coastal Flooding 	<p>Widespread minor to moderate coastal flooding. Greatest threat for moderate coastal flooding will be along the tidal Delaware River and Barnegat Bay.</p>	<p>New Jersey and Delaware coasts, tidal Delaware Bay, Chesapeake Bay, tidal Delaware River and tributaries.</p>	<p>Coastal flooding is expected beginning with the high tides tonight through Saturday.</p>

Summary of Greatest Impacts



Storm Total Rainfall Amounts



Heaviest rainfall focused across northern NJ and northeast PA due to very strong southeast flow into the higher terrain.

Timing: Rain pushes in this evening, then tapers off by sunrise on Saturday.

The heaviest rain will be around 11 PM to 4 AM.

Flooding Threat



Normally, this type of rainfall would mainly result in little to minor flooding. However, with moderate to major river flooding continuing in portions of the Raritan and Passaic Basins into this weekend, this new rainfall will exacerbate river flooding.

Additionally, soils are very saturated, so urban and small stream flooding is possible tonight into early Saturday morning, However, it is unlikely to be as widespread or severe as the last storm Tuesday Night.

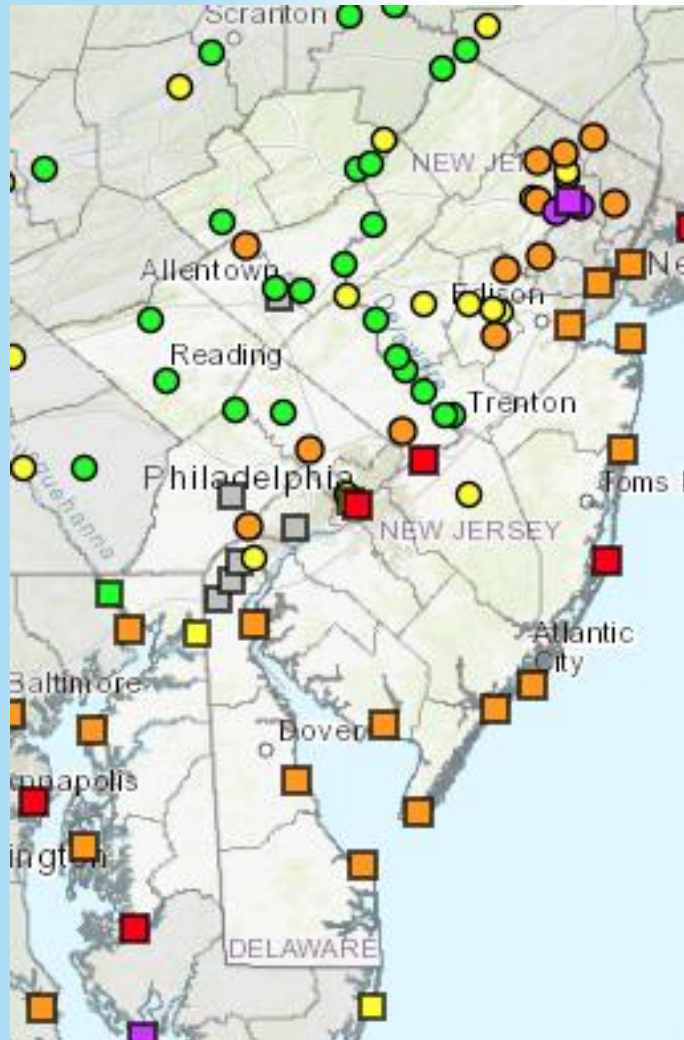
Moderate to Major River Flooding

Some smaller rivers that have crested and fallen late this week will rise again late tonight into Saturday, and may approach or exceed flood stage once again.

Some other rivers will remain above flood stage through the weekend, with areas of moderate to major river flooding continuing in the Raritan and Passaic basins.

Monitor area rivers levels, forecasts & crests:
<https://www.weather.gov/phi/hydrodashboard>

Or as always, visit water.weather.gov



□	Forecast available
○	Probability and forecasts available
■	Major Flooding
■	Moderate Flooding
■	Minor Flooding
■	Near Flood Stage
■	No Flooding
■	Forecasts Are Not Current
■	No Forecast Within Selected Timeframe
■	Out of Service

Major Flooding

Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations.

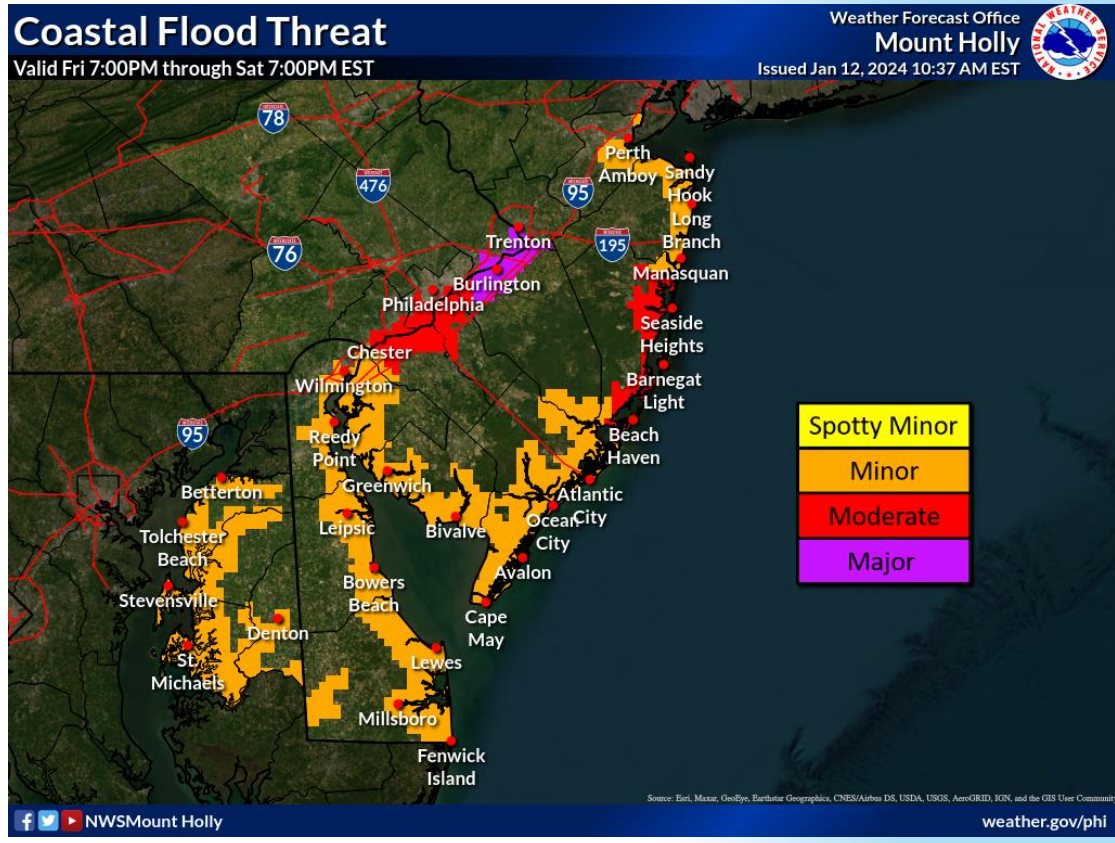
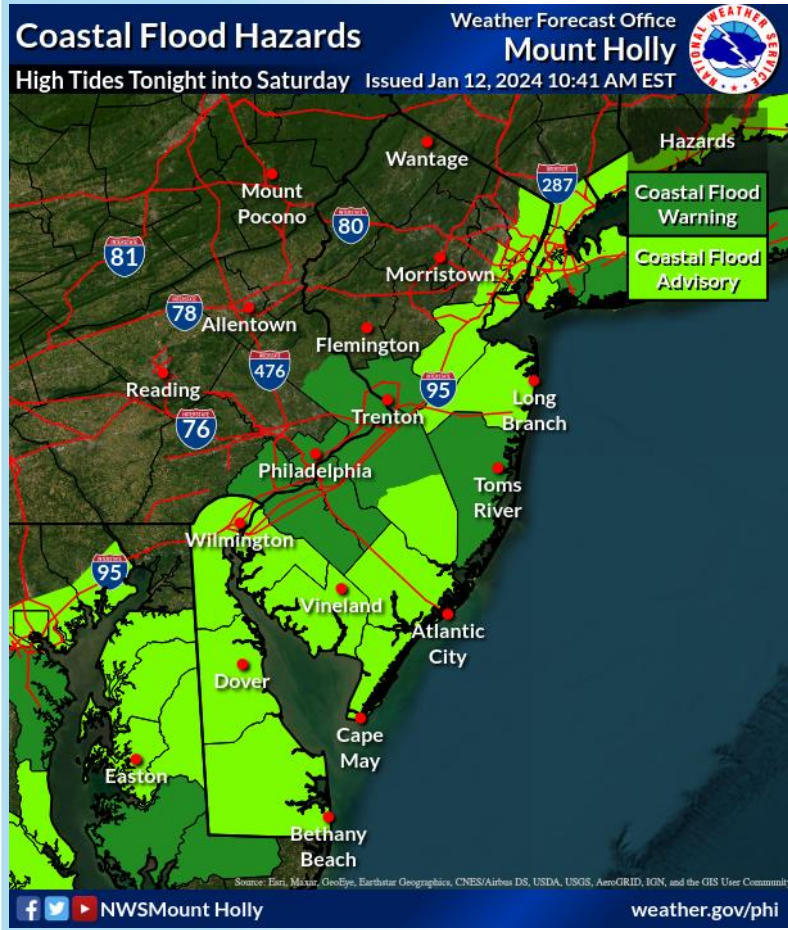
Moderate Flooding

Some inundation of structures and roads near stream. Some evacuations of people and/or transfer of property to higher elevations.

Minor Flooding

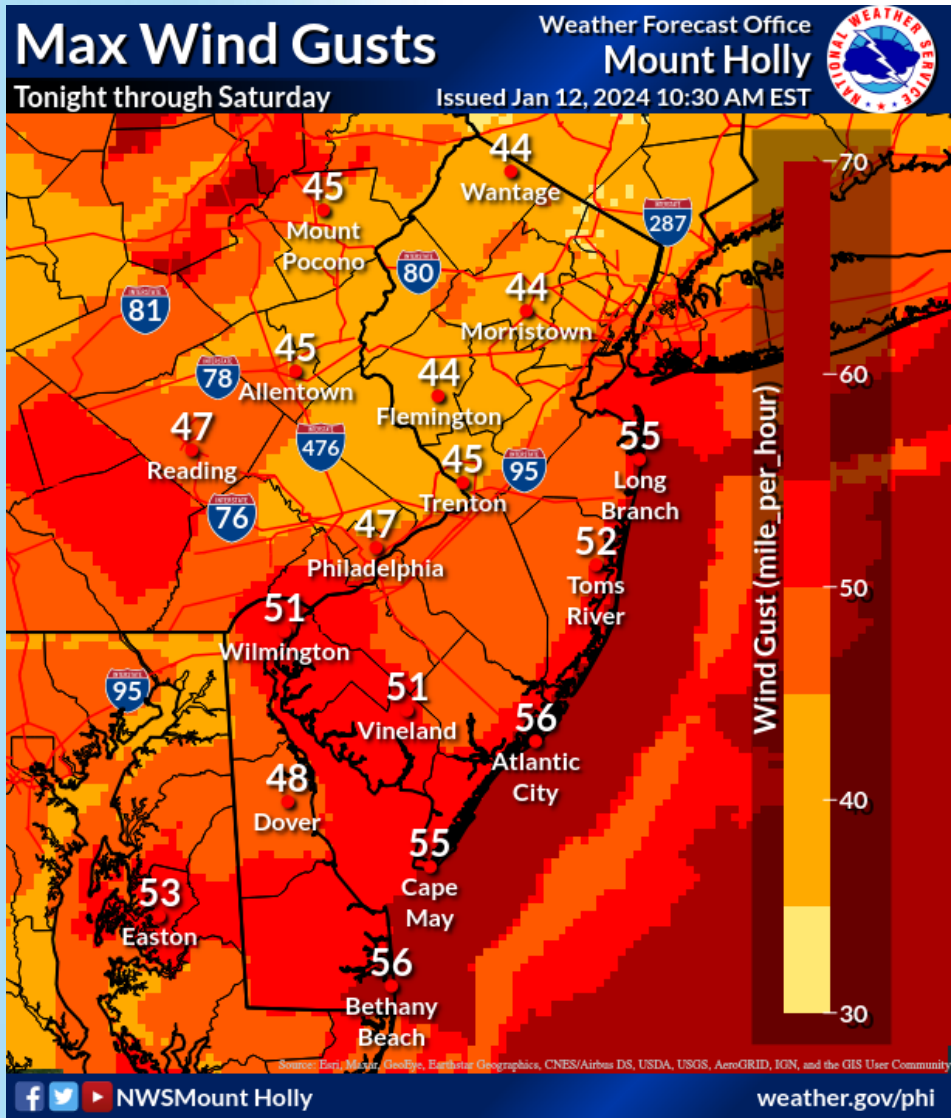
Minimal or no property damage, but possibly some public threat (e.g., inundation of roads).

Coastal Flood Hazards and Threats Tonight through Saturday



MINOR to MODERATE coastal flooding is forecast for the high tides beginning tonight into Saturday. **MAJOR** coastal flooding forecast for the tidal Delaware River at Burlington.

High Winds Tonight through Saturday



Friday night:

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

Inland up to I-95: Southeast winds 25 to 35 mph with 45 to 55 mph gusts.

Northwest of I-95: Southeast winds 20 to 30 mph with 40 to 50 mph gusts.

Saturday:

Widespread southwest to west winds 20 to 30 mph with gusts of 40 to 50 mph possible.

Event Summary

- ✓ **Flooding:** Passaic and Raritan Rivers experiencing moderate to major flooding. These will remain in flood stage into the weekend. Between 0.5 to 1.5 inches of new rain tonight will exacerbate preexisting flooding and may lead to new flooding of smaller streams and creeks across northern New Jersey, southeast Pennsylvania, and the I-95 urban corridor.
- ✓ **Coastal Flooding:** MINOR to MODERATE coastal flooding forecast beginning as early as the high tides tonight and continuing through Saturday. MAJOR coastal flooding now forecast at Burlington and the upper portion of the tidal Delaware River.
- ✓ **Strong/Damaging Winds:** Southeast to south winds gusting 45-55 mph across the coastal plain up to the I-95 corridor and 50-60 mph for coastal areas. Wind gusts of 40-50 mph northwest of I-95. West to southwest winds with gusts of 40 to 50 mph continue on Saturday area wide.
- ✓ **Marine:** Gale to storm force wind gusts are expected tonight, and then Gale force winds are likely Saturday through at least Saturday night. Dangerous seas will build to 8 to 12 feet tonight and Saturday.

Contact and Next Briefing Information



**Next briefing:
by 5 PM Today,
January 12, 2024**

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



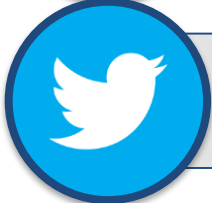
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