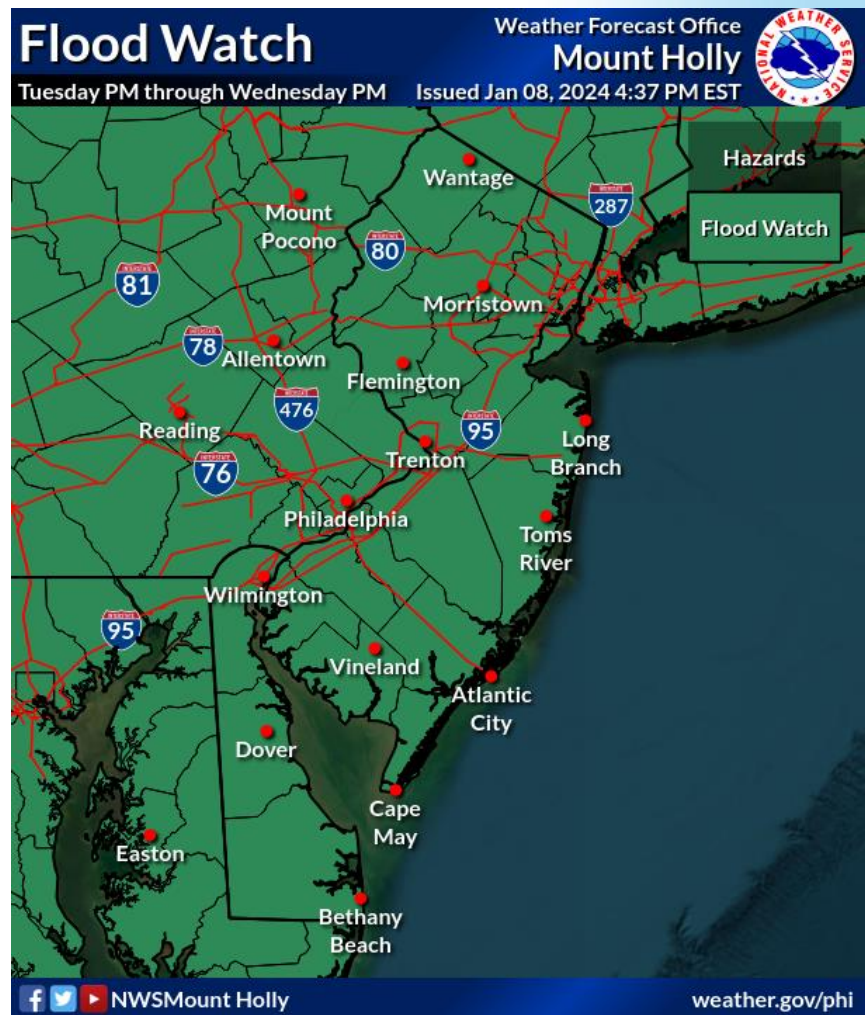


# Powerful Storm System January 9-10, 2024





## Decision Support Briefing #3 As of: 5:00 PM, January 8, 2024

### What Has Changed?

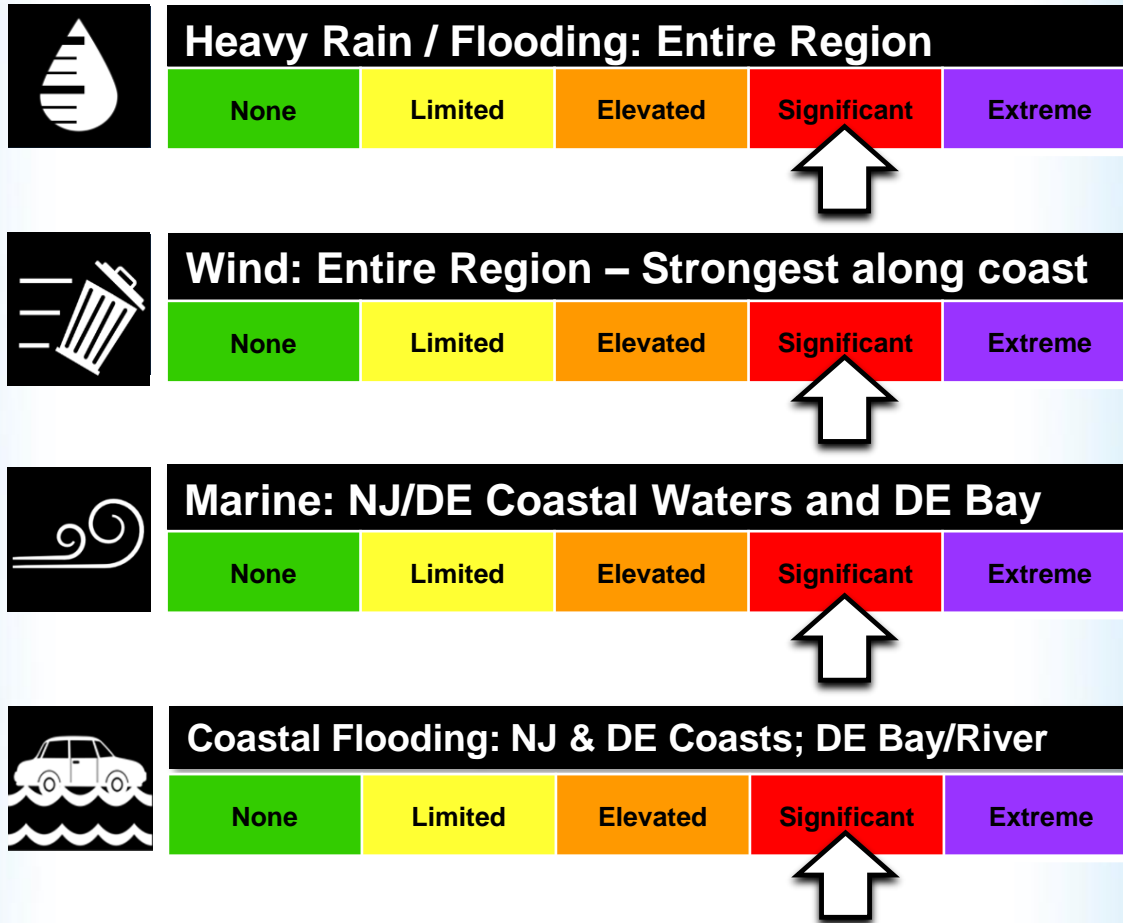
- ✓ High Wind Watches upgraded to Warnings for coastal areas. Wind Advisories issued inland.
- ✓ Coastal Flood Watches upgraded to Warnings.



# Main Points

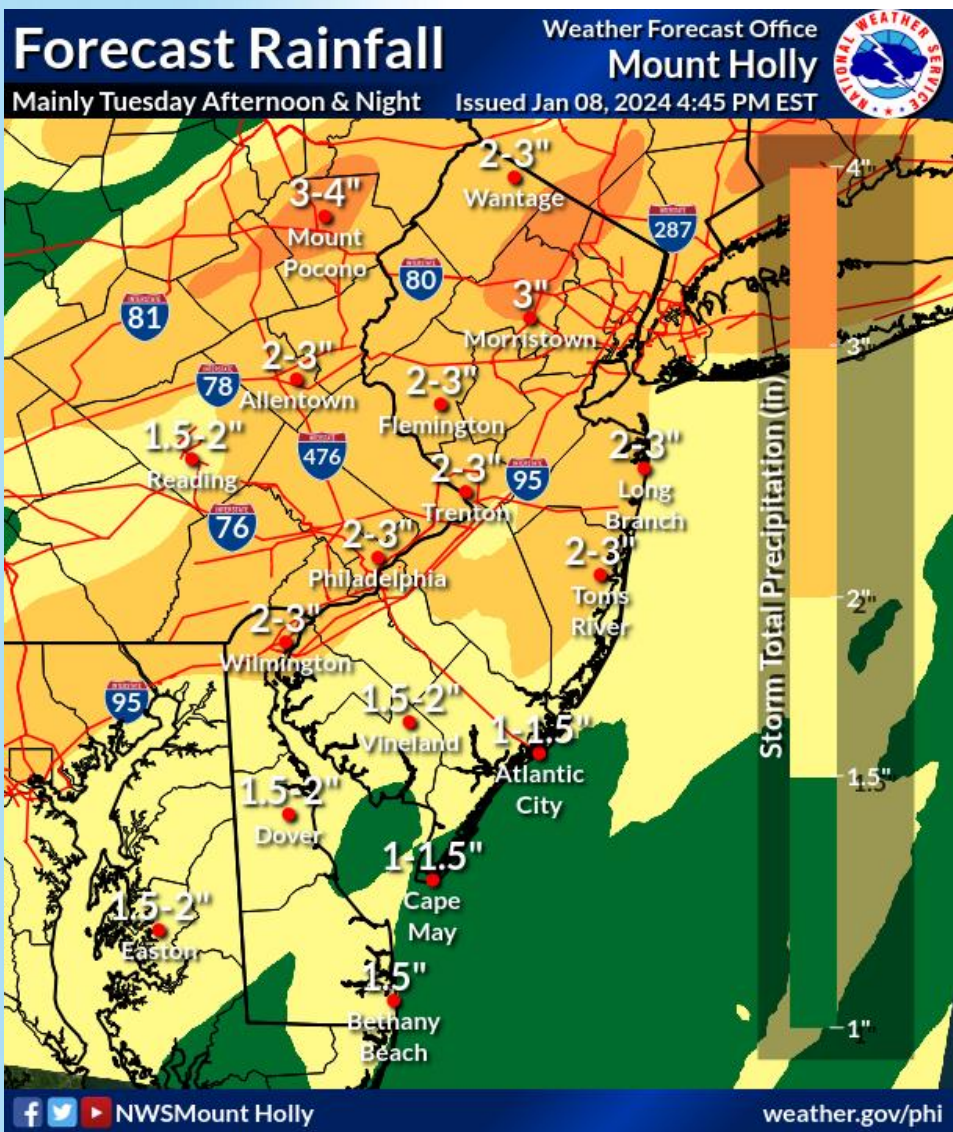
Hazard	Impacts	Location	Timing
<b>Heavy Rain/ Flooding</b> 	<p>1 to 3 inches expected, with up to 4 inches possible in some areas. Moderate to major river flooding possible. Urban and small stream flooding possible.</p>	<p>Entire region. The most significant river flooding potential for northern NJ and southeast PA.</p>	<p>Heaviest rain occurs Tuesday night. River flooding risk continues through Wednesday and beyond.</p>
<b>Wind</b> 	<p>Strong to damaging south to southeast winds possible. Tree damage and power outages possible, especially closer to the coast.</p>	<p>Inland areas: 45-55 mph gusts possible. Coastal areas: 55-65 mph gusts possible.</p>	<p>Strongest Winds Tuesday Evening &amp; Night.</p>
<b>Marine</b> 	<p>Storm-force wind gusts. Dangerous seas building to 15-20 feet; lower on Delaware Bay.</p>	<p>All Atlantic coastal waters of New Jersey and Delaware, including Delaware Bay.</p>	<p>Tuesday afternoon and Tuesday night. High seas and Gales lingering into Wednesday.</p>
<b>Coastal Flooding</b> 	<p>Widespread minor to moderate coastal flooding.</p>	<p>Worst flooding along the eastern shore of Maryland &amp; near the tidal Delaware River.</p>	<p>Tuesday afternoon into Wednesday. Worst conditions with Tuesday Night high tide.</p>

# Summary of Greatest Impacts





# Storm Total Rainfall Amounts

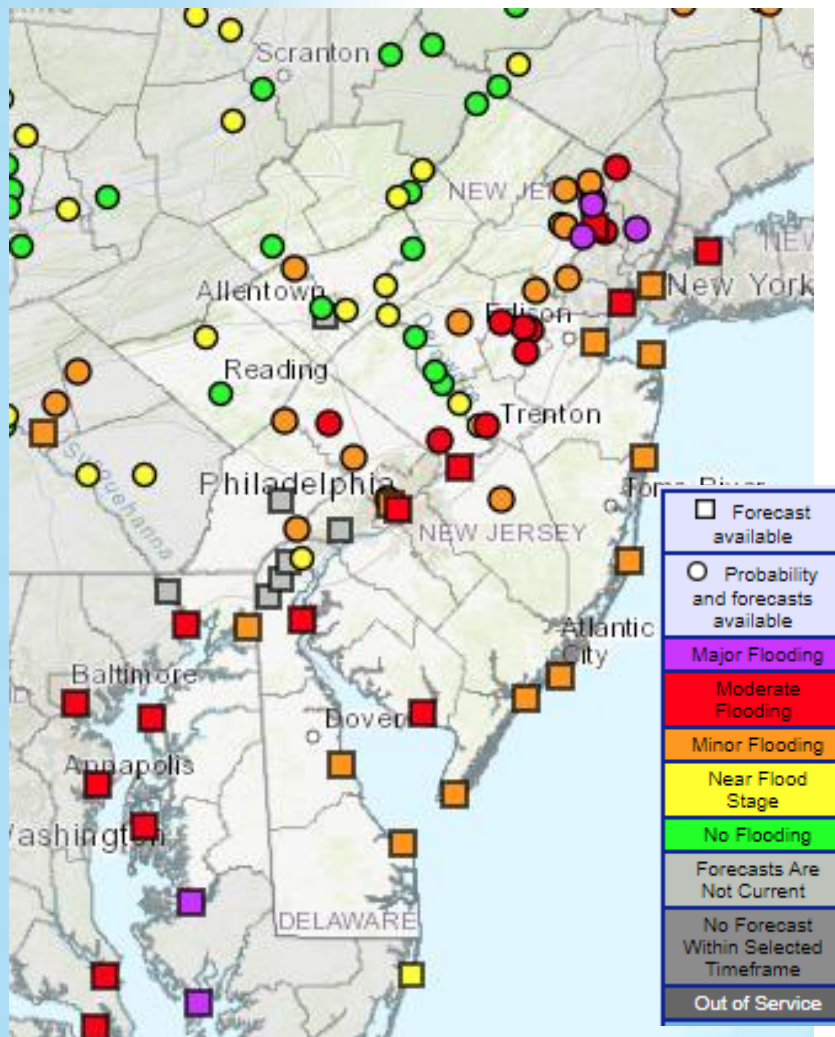


**Moderate to major river flooding possible, especially for portions of eastern PA and northern NJ. Urban and small stream flooding possible.**

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

**A period of higher rainfall rates Tuesday night may increase the flood risk especially in urban areas.**

# Areas of Moderate to Major River Flooding Wednesday



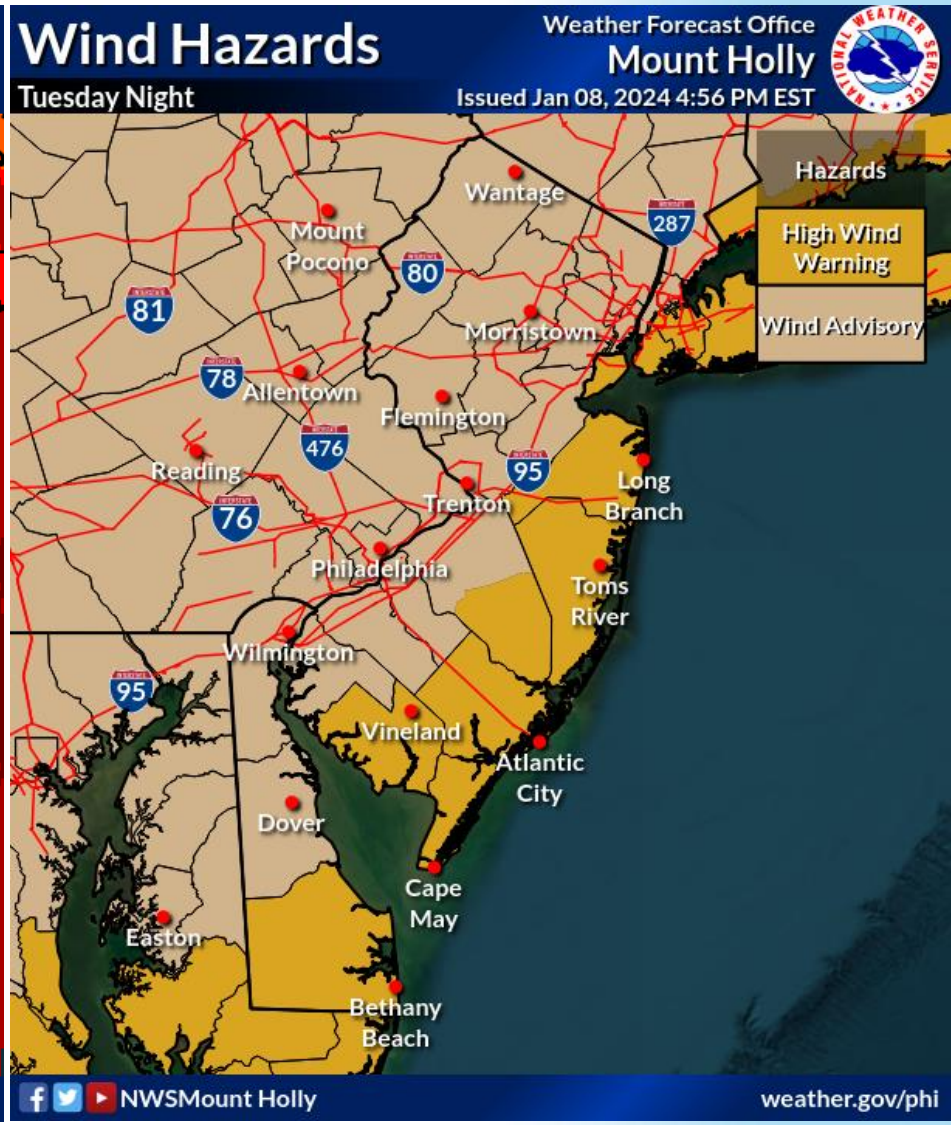
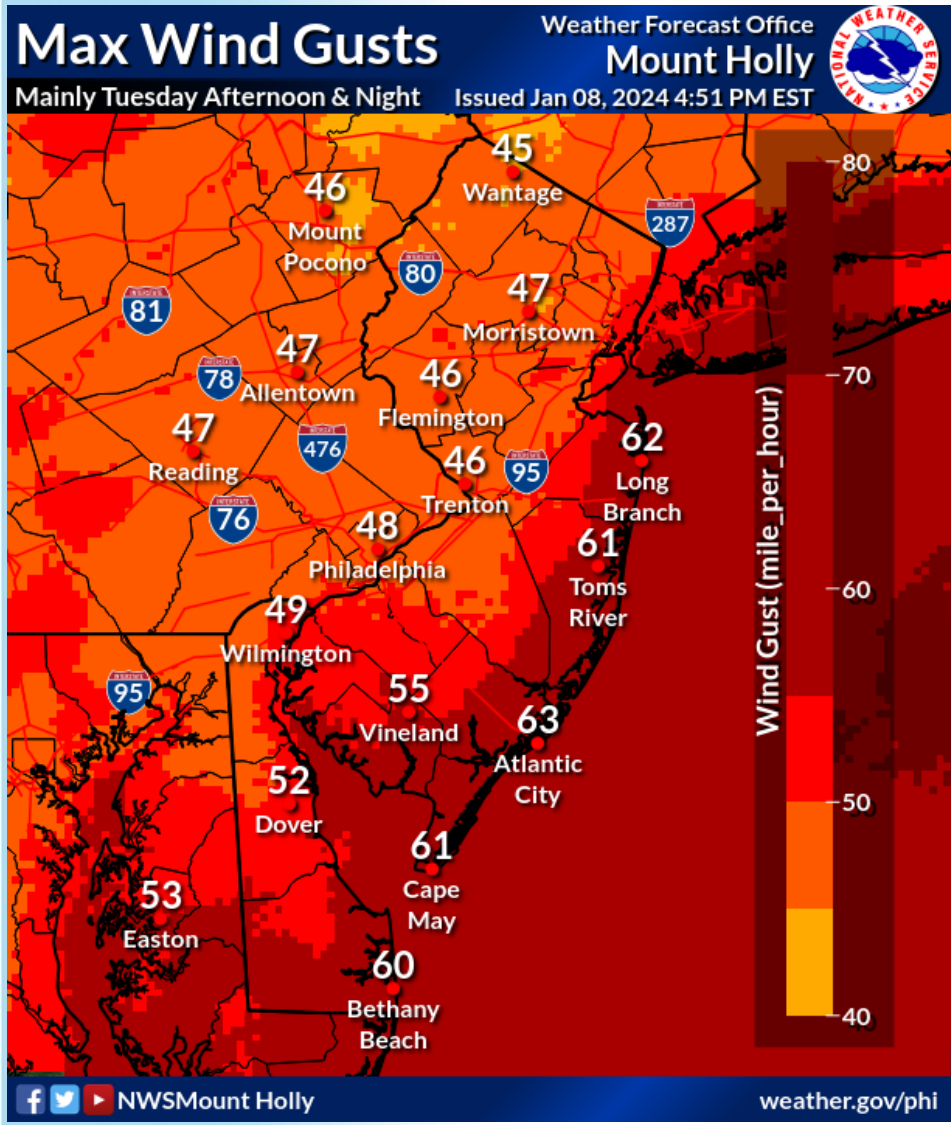
**Some rivers will rise above flood stage late Tuesday Night. Many additional sites will flood on Wednesday, with some areas of moderate to major river flooding.**

**Some smaller streams and creeks will crest early on Wednesday, while others will continue to rise. Slower-responding rivers may not crest until Wednesday night or Thursday.**

**For the latest river forecasts, visit [water.weather.gov](http://water.weather.gov)**

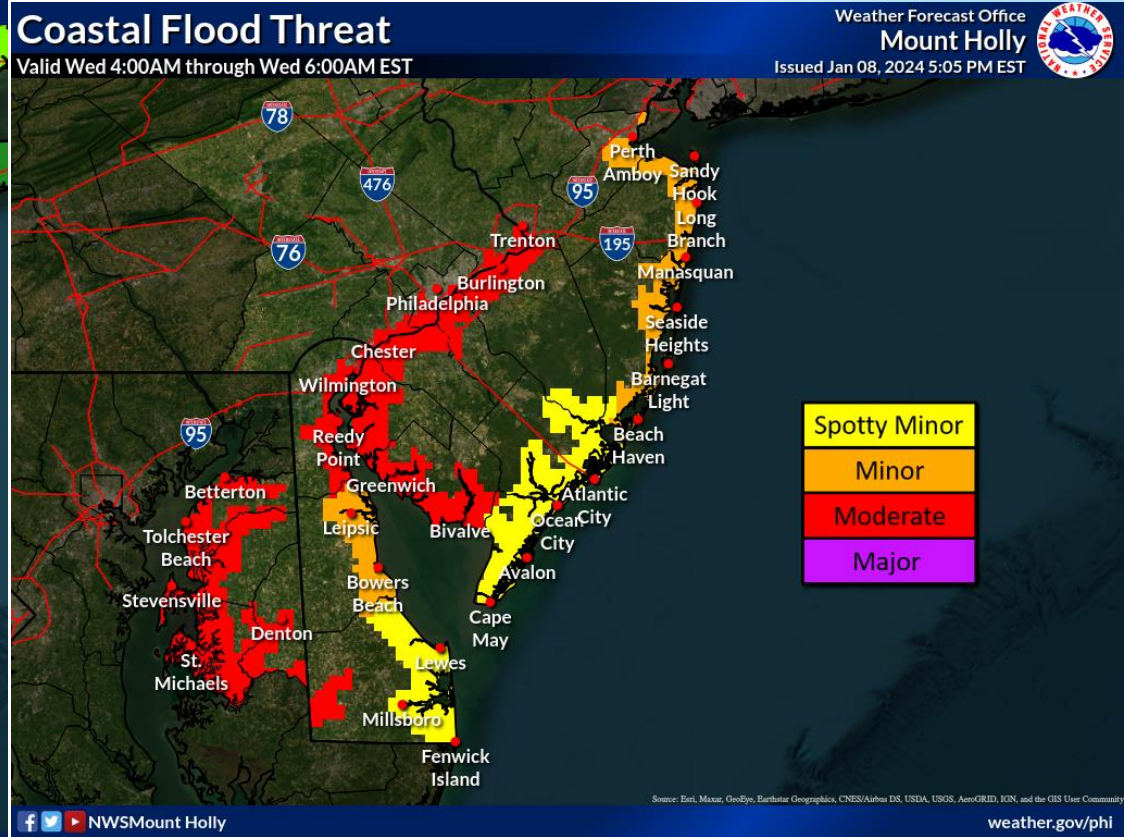


# High Winds Tuesday Afternoon and Tuesday Night





# Coastal Flood Hazards and Threats



# Event Summary

- ✓ **Flooding:** Heaviest rain falls Tuesday 6 PM – 2 AM. River flooding risk continues Wednesday and beyond. **Several rivers may experience moderate to major flooding, especially across northern NJ and southeast PA.** Widespread urban & small stream flooding possible. Snowmelt with heavy rain across the northern areas will enhance runoff & flooding potential.
- ✓ **Strong/Damaging Winds:** **High Wind Warning** for the NJ and DE coastal counties for southeast to south wind gusts up to 65 mph Tuesday night. **Wind Advisory for inland areas.** A line of heavier showers Tuesday night with the cold front could potentially produce a period of stronger winds. Gusty west to southwest winds continue on Wednesday.
- ✓ **Marine:** **Storm Warning** in effect for all marine zones with gusts up to 55 knots. Dangerous seas building to 15-20 feet later Tuesday and lingering into Wednesday.
- ✓ **Coastal Flooding:** Tuesday PM into Wednesday. **Coastal Flood Warning** for moderate flooding for the tidal Delaware River, portions of Delaware Bay, and eastern MD Shore areas. Severity of flooding will depend on surge timing in respect to high tide, and excessive runoff from heavy rain may elevate water levels even more.



# Contact and Next Briefing Information



**Next Briefing by**  
*7 AM Tuesday*  
*January 9th*



**Briefing Webpage:**  
[www.weather.gov/media/phi/current\\_briefing.pdf](http://www.weather.gov/media/phi/current_briefing.pdf)



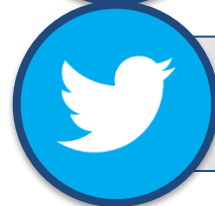
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