






# Impactful Storm December 22-23

## Decision Support Briefing #2 As of: 6 AM, Wednesday, Dec 21st

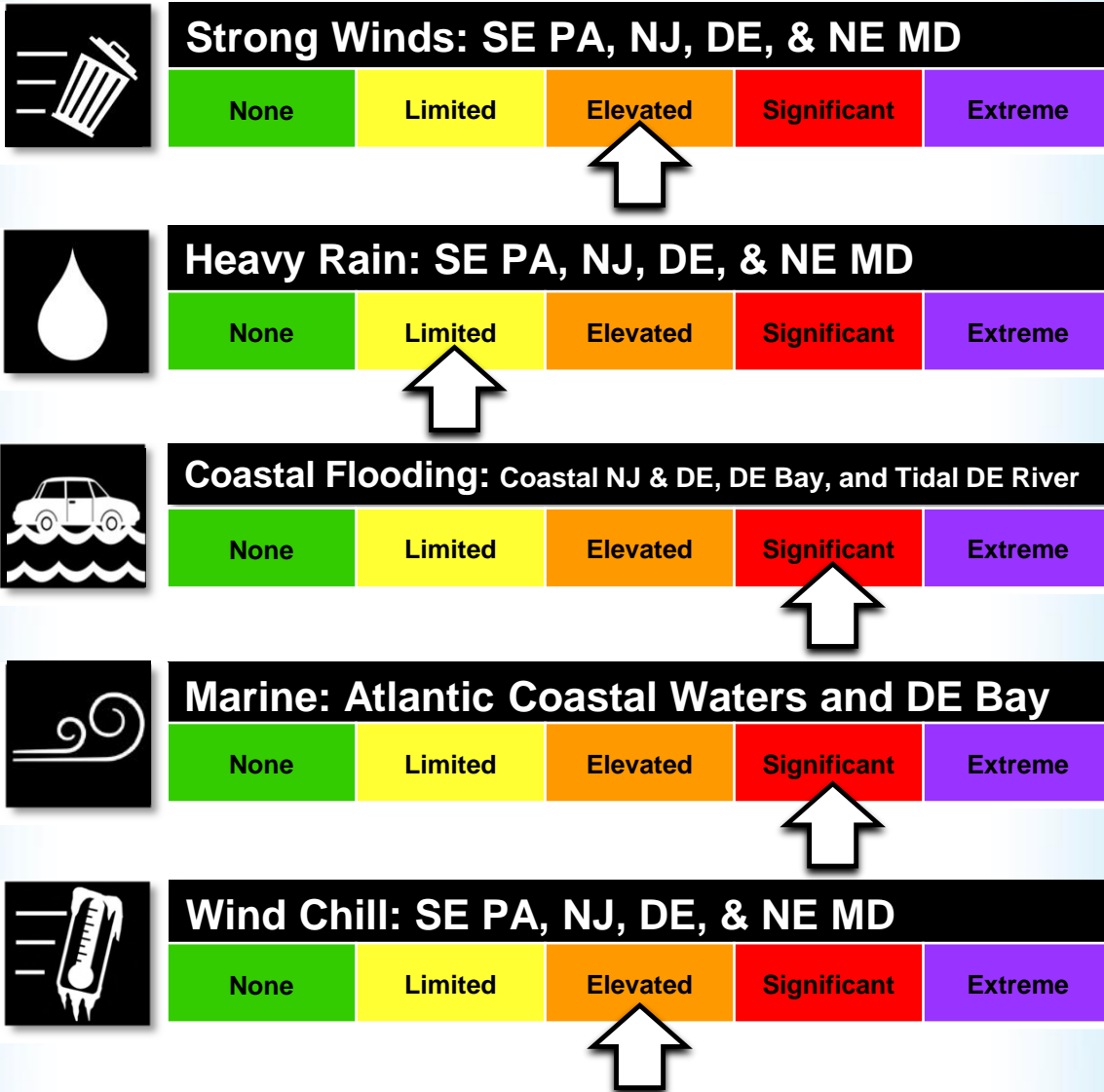
**What Has Changed?**  
✓ No major changes



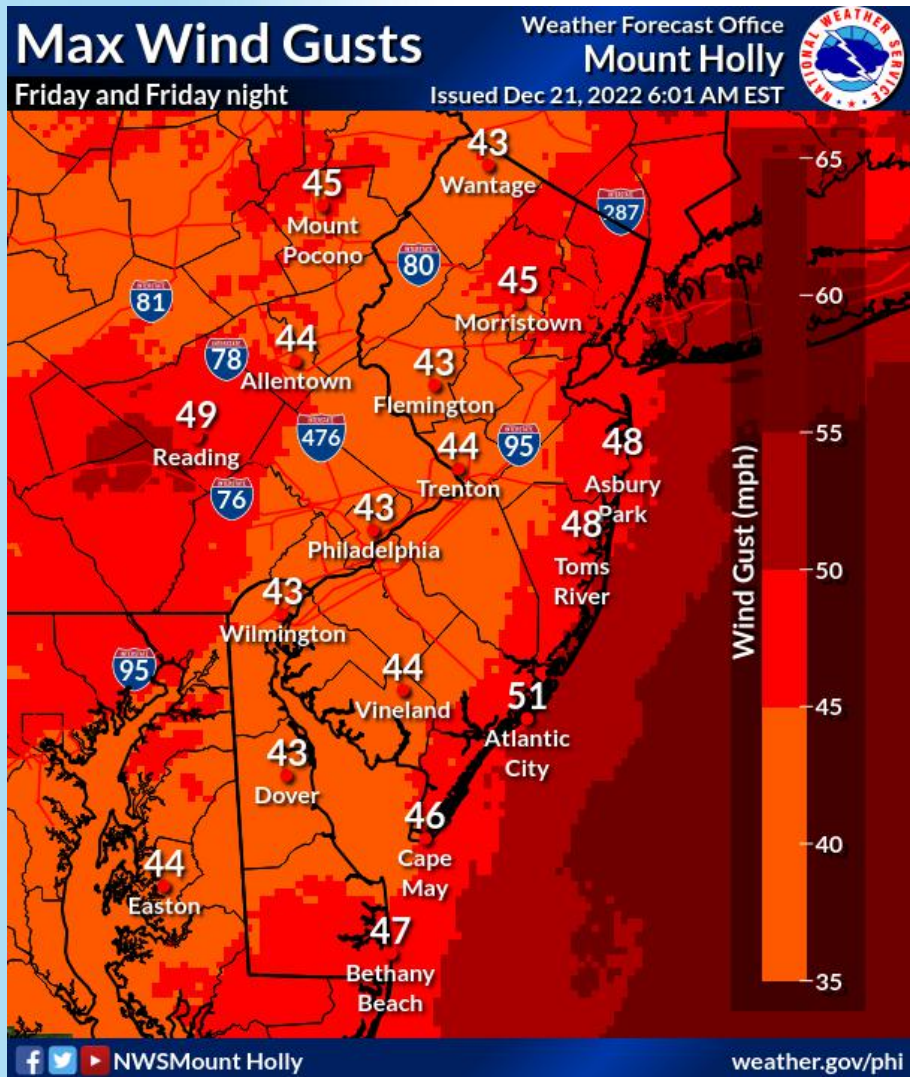
# Main Points

Hazard	Impacts	Location	Timing
<b>Strong Winds</b> 	Increasing southerly winds around 20 to 30 mph will shift to the west on Friday with gusts of 40 to 50 mph expected. This may lead to downed trees and power outages	Southeastern Pennsylvania, New Jersey, Delaware, and northeastern Maryland	Friday through Friday night
<b>Heavy Rain</b> 	Moderate to heavy rain total of 1" to 3" may result in areas of minor flooding	Southeastern Pennsylvania, New Jersey, Delaware, and northeastern Maryland	Thursday through Friday
<b>Coastal Flooding</b> 	Minor to moderate coastal flooding possible	Atlantic coastal New Jersey and Delaware, Delaware Bay, and the tidal Delaware River	High tide cycles Friday morning and afternoon
<b>Marine</b> 	Gale-force winds and seas 9-14 feet could make navigation very difficult. Wind gusts up to 45 kts possible	Atlantic Coastal waters and Delaware Bay	Thursday night through Friday evening
<b>Wind Chill</b> 	Dangerously cold wind chills as low as -20°F, coldest across the southern Poconos	Southeastern Pennsylvania, New Jersey, Delaware, and northeastern Maryland	Friday night through Saturday night

# Summary of Greatest Impacts

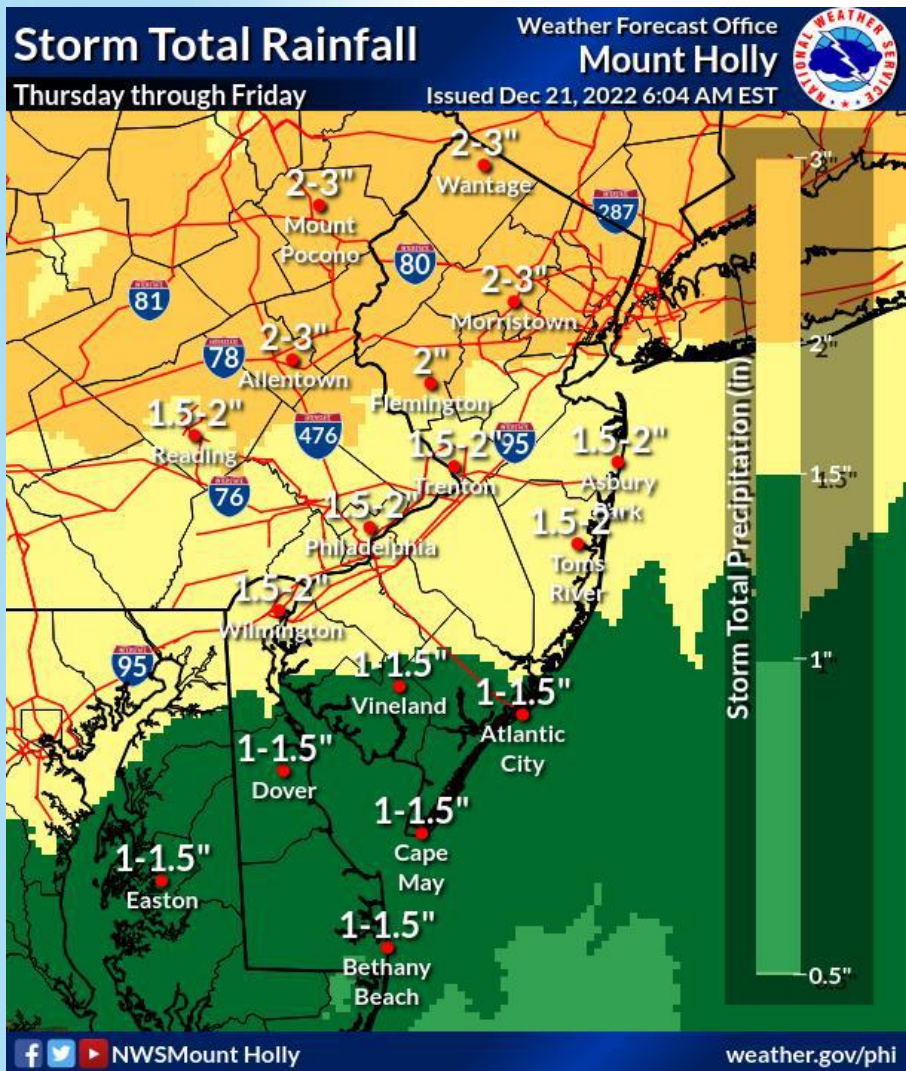


# Maximum Wind Gusts



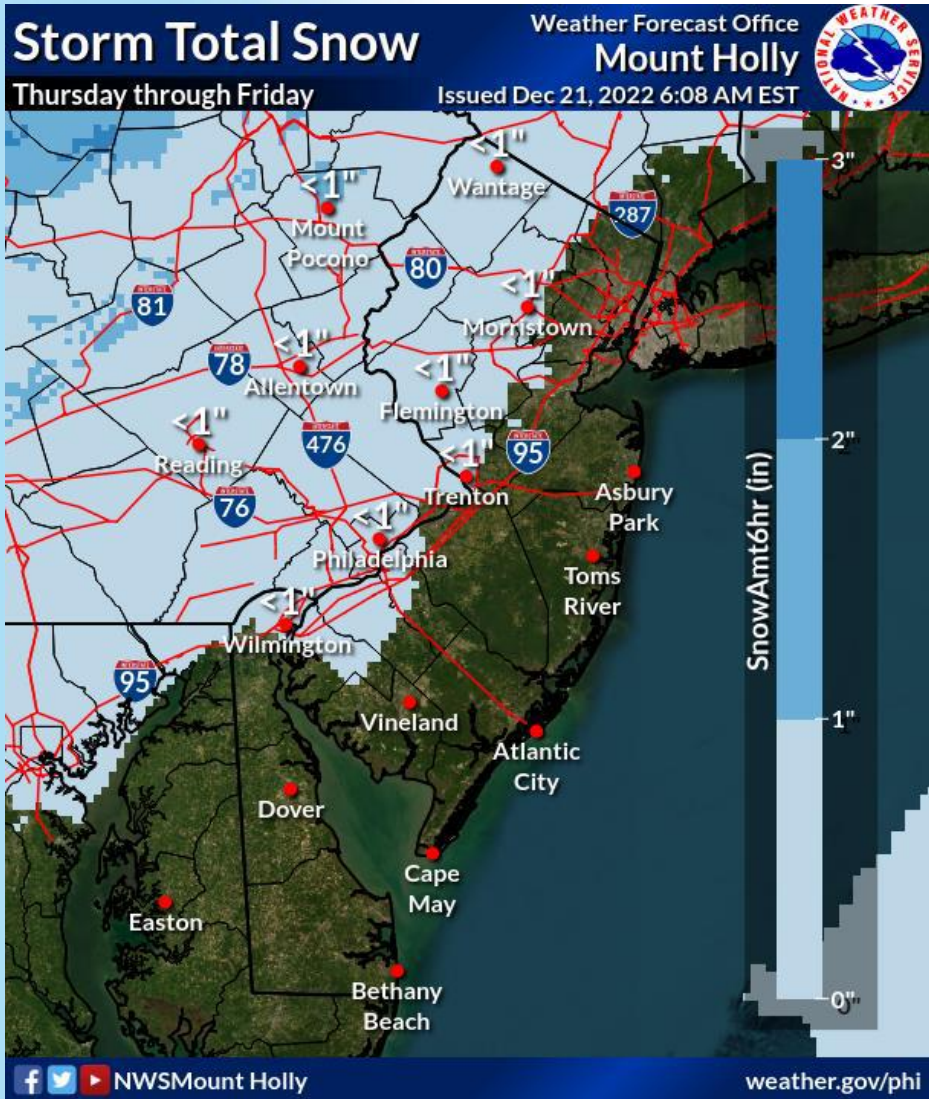
- ✓ South winds increasing to 20 to 30 mph Thursday night shifting sharply from the west behind a cold front on Friday
- ✓ Wind gusts of 40 to 50 mph possible area-wide Friday into Friday night
- ✓ Strongest winds and gusts expected Friday through Friday night

# Storm Total Rainfall



- ✓ Widespread rainfall of 1-3" is expected with locally higher amounts possible near and north of I-78
- ✓ Minor flooding of low lying and poor drainage areas is possible

# Storm Total Snowfall Accumulation



**Confidence is Moderate in Snowfall Forecast. Limited impacts are expected from snow and ice**

Impacts ↑	Extreme			
	Significant			
	Elevated			
	Limited		X	
	None			
		Low	Moderate	High
		Confidence →		

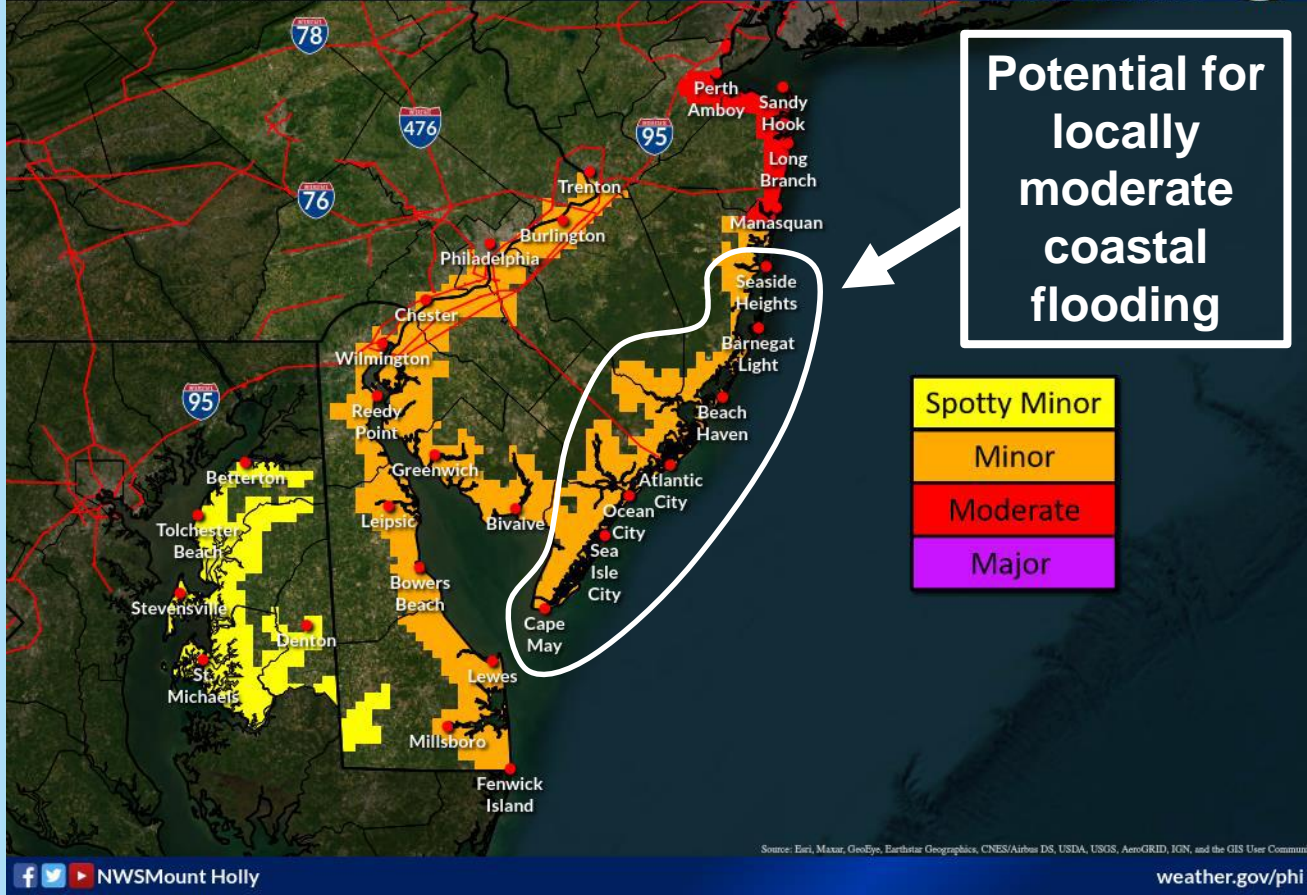
# Coastal Flooding

## Coastal Flood Threat

Valid Thu 7:00AM through Fri 7:00PM EST

Weather Forecast Office  
Mount Holly

Issued Dec 21, 2022 6:12 AM EST



Potential for  
locally  
moderate  
coastal  
flooding

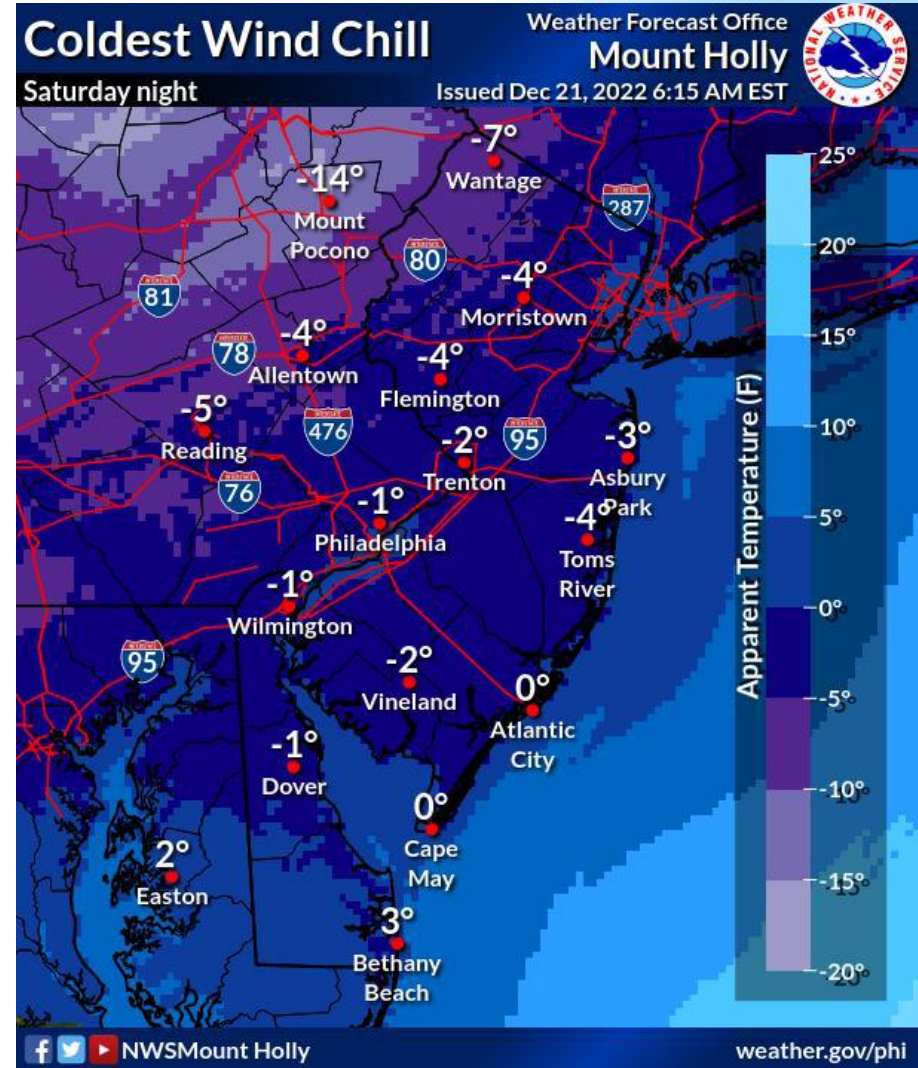
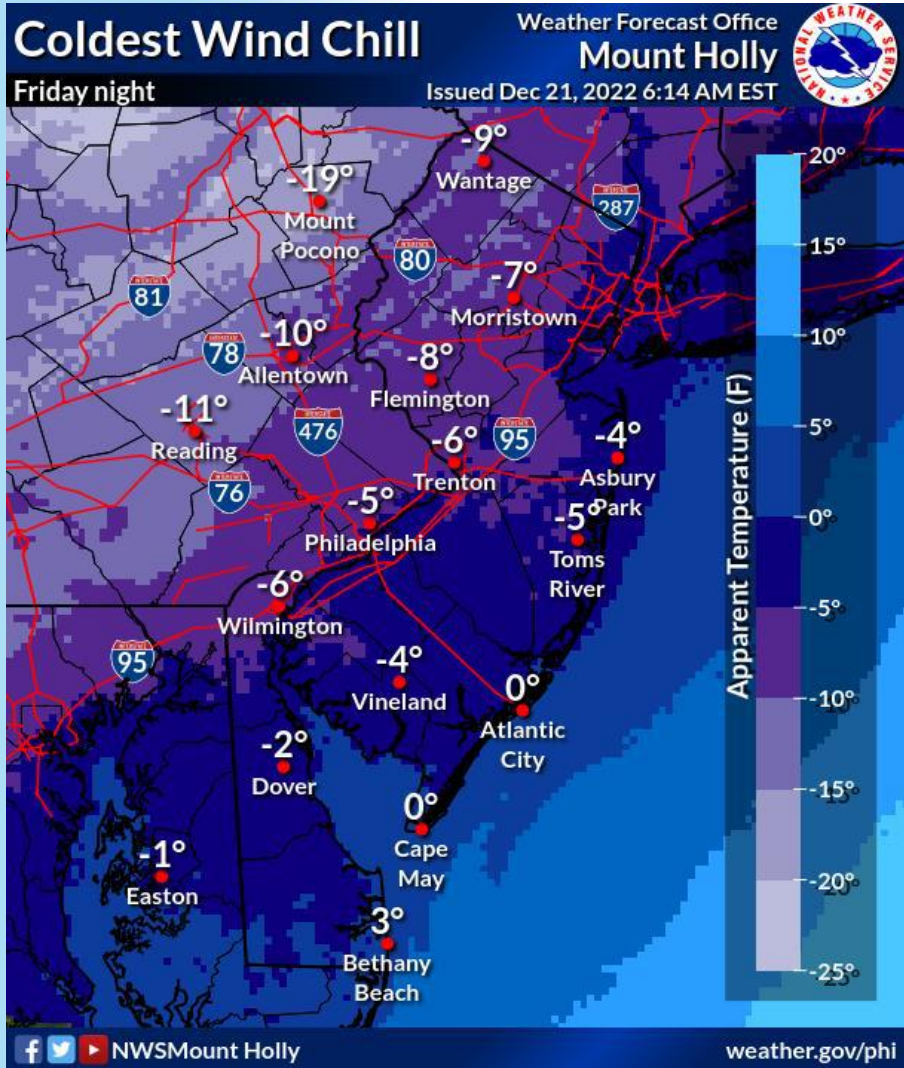
- Spotty Minor
- Minor
- Moderate
- Major

Friday morning and afternoon high tide cycles potentially impacted by widespread minor flooding in the highlighted areas

This graphic shows the expected magnitude of flooding on the oceanfront, bays, and estuaries along the highlighted areas.



# Lowest Wind Chills – Friday night and Saturday Night





# Event Summary

- ✓ Periods of rain will begin Thursday and continue through midday Friday. The rain may be heavy at times. Storm total rainfall of 1-3" with locally higher amounts may lead to minor flooding in some areas. Precipitation is expected to remain as mostly rain, although some light mixed precipitation is possible at the start northwest of I-95, and light flurries or snow showers are possible Friday afternoon as the rain ends. No significant snow or ice accumulation is expected.
- ✓ South winds will increase to 20-30 mph late Thursday night. Gusts around 40-50 mph will be possible Friday through Friday night area-wide as a strong cold front passes through the area. Right along the cold front as it moves through on Friday, a narrow squall line could develop bringing localized wind gusts up to 60 mph. These winds could lead to downed trees and power outages. Also, the passage of the front will bring a very sharp drop in temperatures.
- ✓ Gale force winds are likely across all Atlantic coastal waters and Delaware Bay. Seas building to 9-14 feet.
- ✓ Widespread minor coastal flooding is anticipated to impact the high tides Friday morning and afternoon for the Atlantic coasts of New Jersey and Delaware, as well as the Delaware Bay coasts and tidal Delaware River. There is potential for moderate coastal flooding for the Atlantic coast of New Jersey.
- ✓ Dangerously cold wind chills as low as -20°F will develop for Friday night and Saturday night. The coldest wind chills will occur across the Pocono Plateau. Impacts may be exacerbated if power outages from the winds occur and these impacts last into the weekend.

# Contact and Next Briefing Information



**Next Briefing**  
*When: 6 PM, Wednesday, Dec 21*

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



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