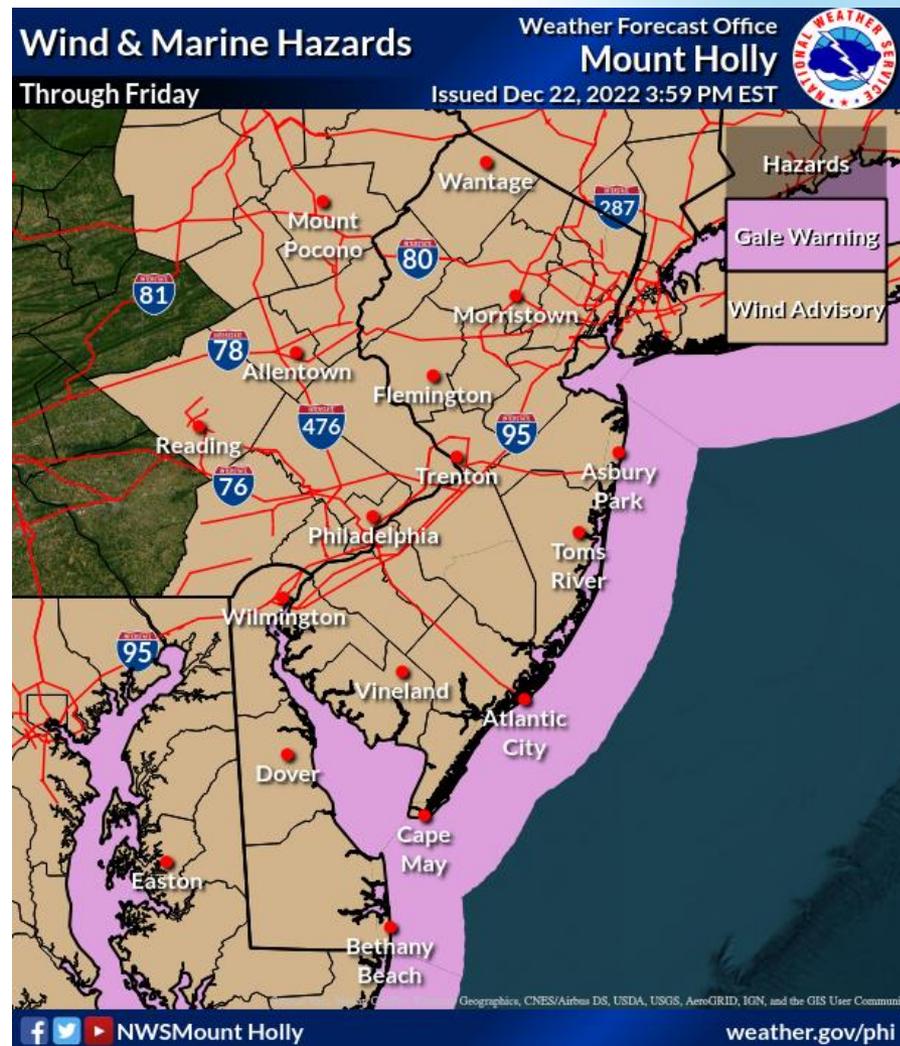


Impactful Storm December 22-23

Decision Support Briefing #5 As of: 5 PM, Thursday, Dec 22nd

What Has Changed?

- ✓ Wind Advisories expanded across the entire region
- ✓ Wind Chill Advisory issued for the entire region
- ✓ Tidal flooding forecast increased. Coastal Flood Warnings and Advisories expanded





Additional Hazard Headlines

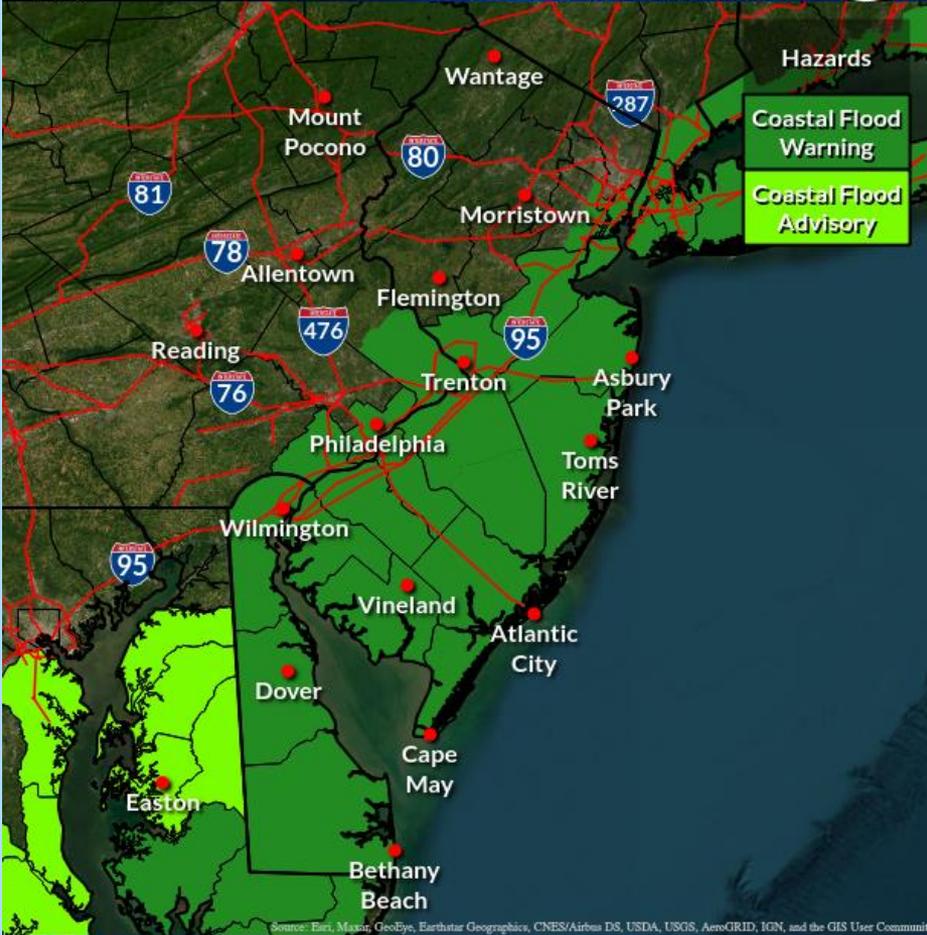
Coastal Flood Hazards

Weather Forecast Office
Mount Holly



Friday

Issued Dec 22, 2022 4:01 PM EST



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWSMountHolly

weather.gov/phi

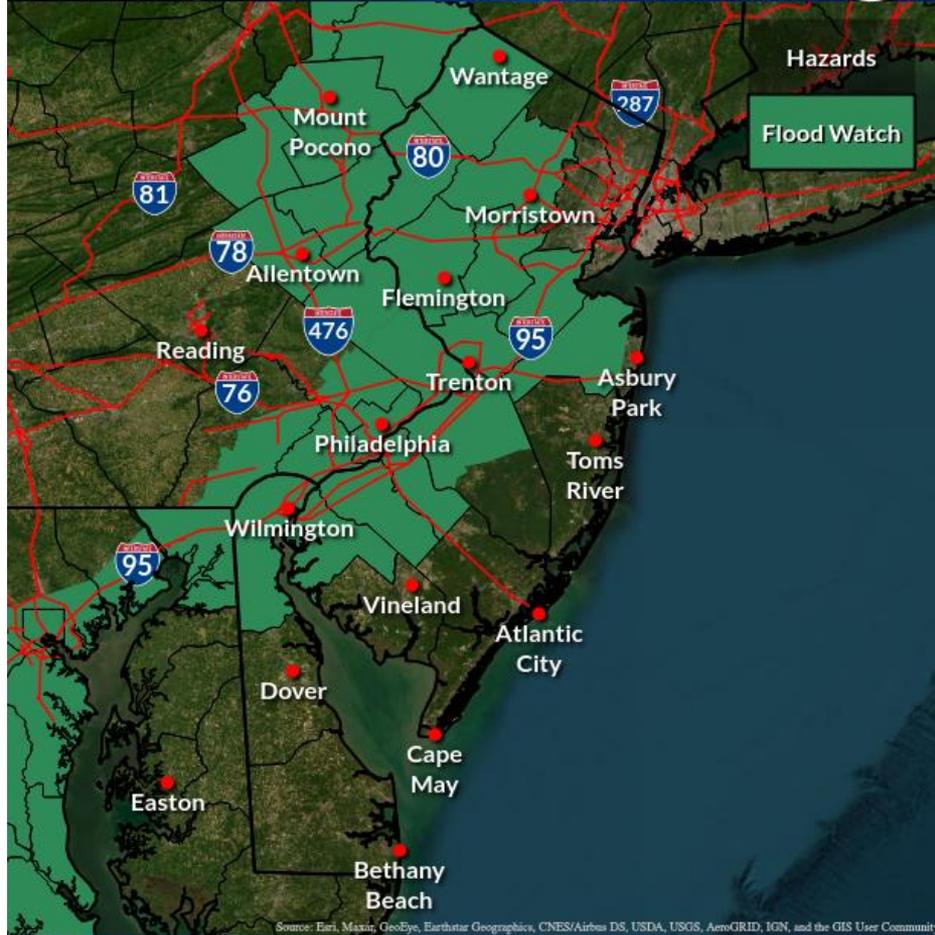
Flood Watch

Weather Forecast Office
Mount Holly



In effect through Friday

Issued Dec 22, 2022 3:12 PM EST



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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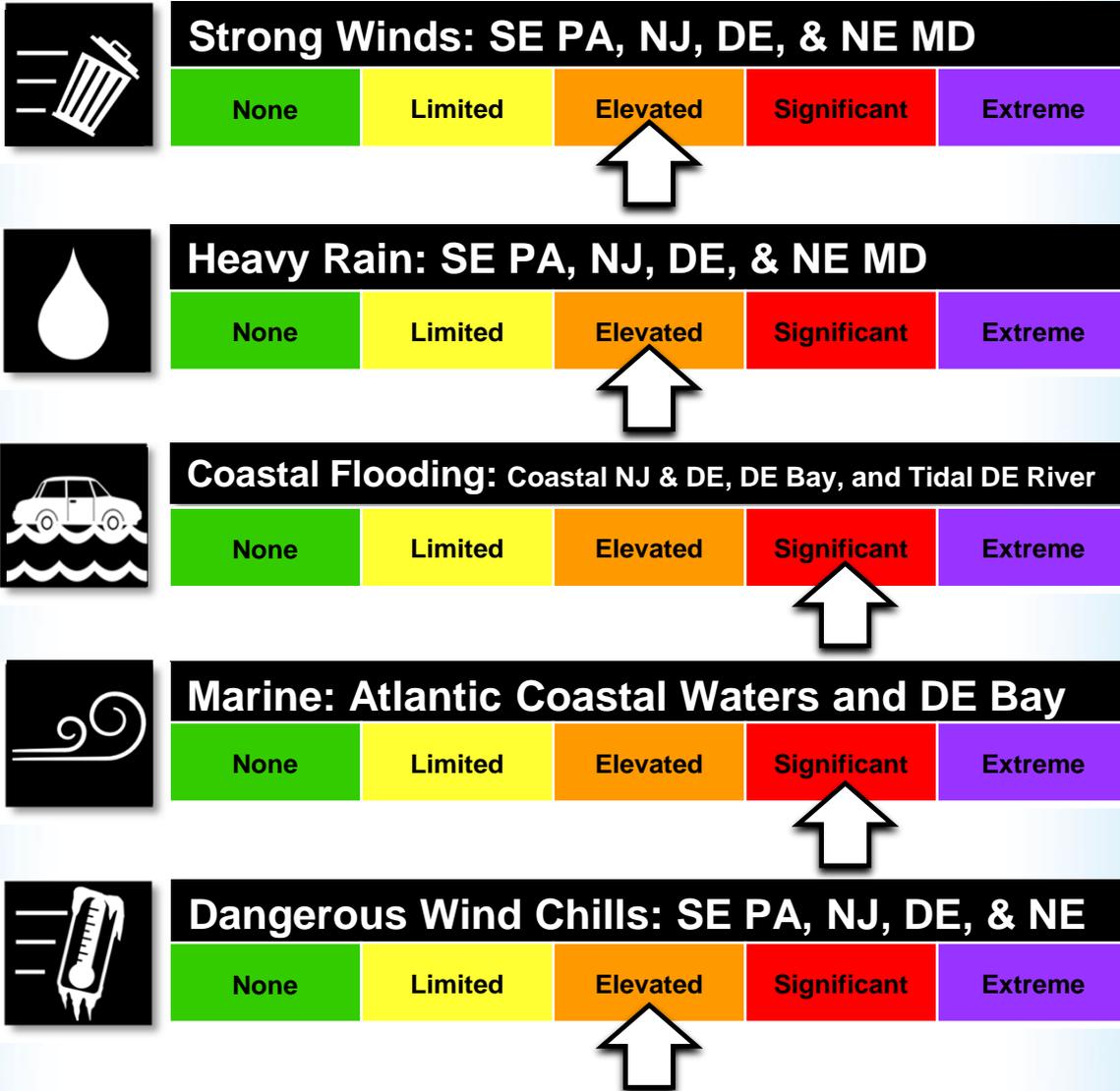
Additional Hazard Headlines



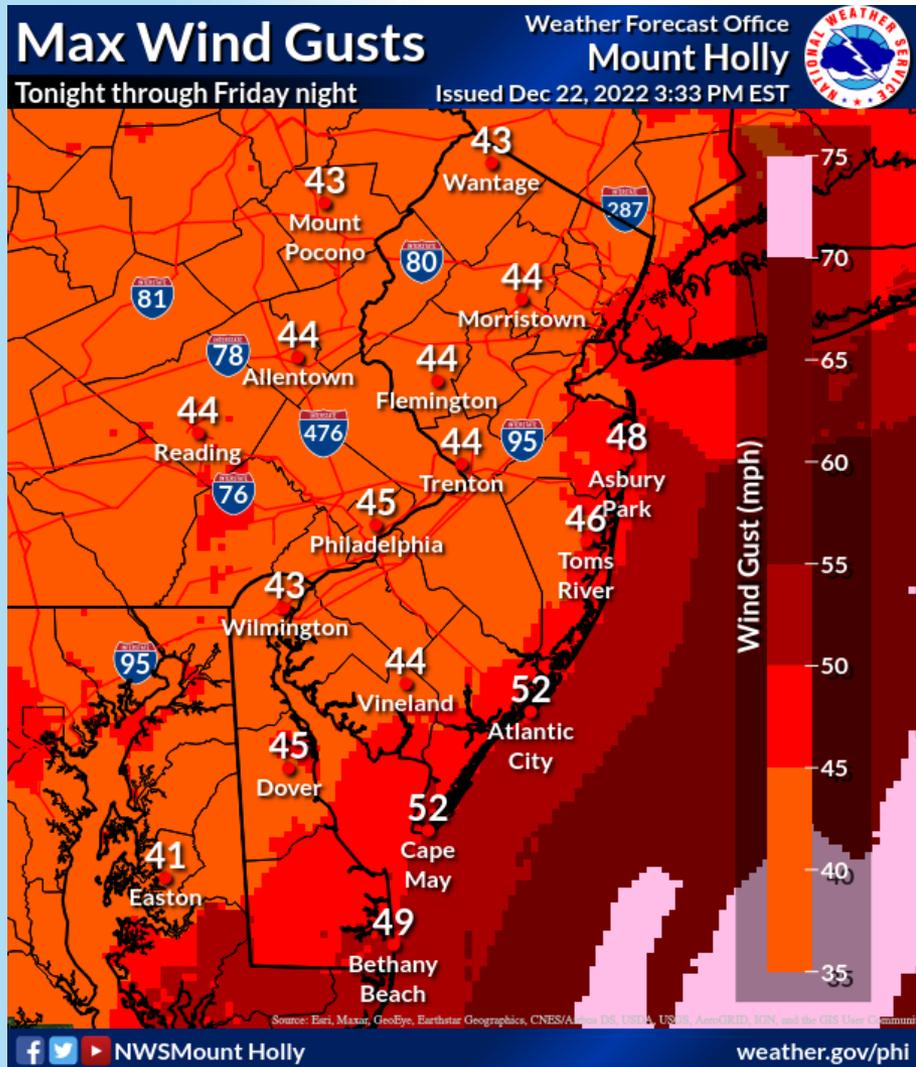
Main Points

Hazard	Impacts	Location	Timing
Strong to Locally Damaging Winds 	Increasing southerly winds around 20 to 30 mph will shift to the west on Friday with gusts of 40 to 50 mph expected. Brief gusts to 60 mph possible. This may lead to downed trees and power outages	Southeastern Pennsylvania, New Jersey, Delaware, and northeastern Maryland	Friday
Heavy Rain 	Moderate to heavy rain totals of 1" to 3" may result in areas of minor flooding	Southeastern Pennsylvania, New Jersey, Delaware, and northeastern Maryland	Through Friday
Coastal Flooding 	Minor to moderate coastal flooding expected, major coastal flooding for coastal Monmouth and Middlesex Counties	Atlantic coastal New Jersey and Delaware, Delaware Bay, and the tidal Delaware River	High tide cycles Friday morning and afternoon
Marine 	Gale-force winds and seas 9-14 feet will make navigation very difficult. Wind gusts up to 45 kts expected	Atlantic Coastal waters and Delaware Bay	Tonight through Friday evening
Wind Chill 	Dangerously cold wind chills as low as -20°F expected, 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



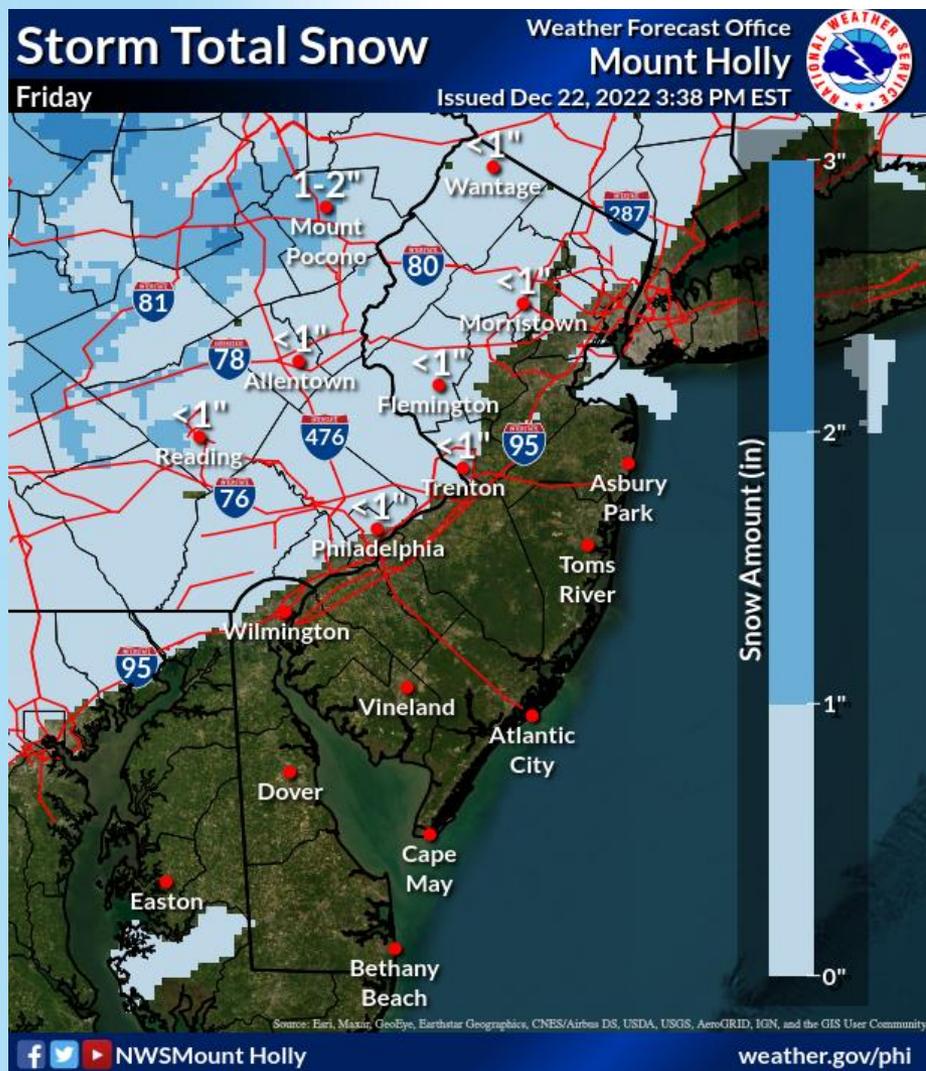
- ✓ South winds increasing to 20 to 30 mph tonight shifting sharply from the west behind a cold front on Friday
- ✓ Wind gusts of 40 to 50 mph expected area-wide Friday into Friday night
- ✓ Brief gusts up to 60 mph possible with cold front passage
- ✓ Strongest winds and gusts expected Friday

Storm Total Rainfall



- ✓ Widespread event total 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

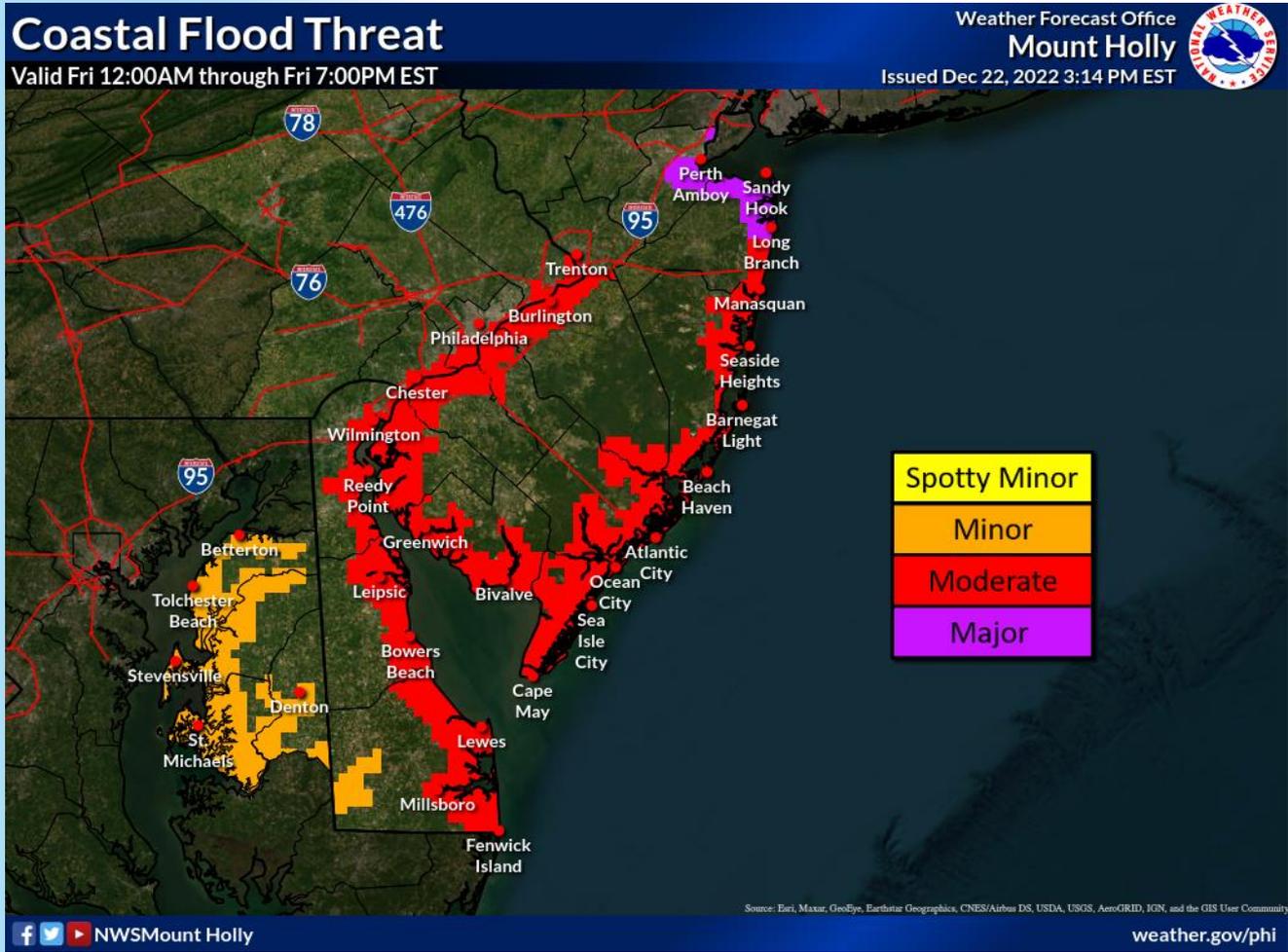
Storm Total Snowfall Accumulation



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 →		

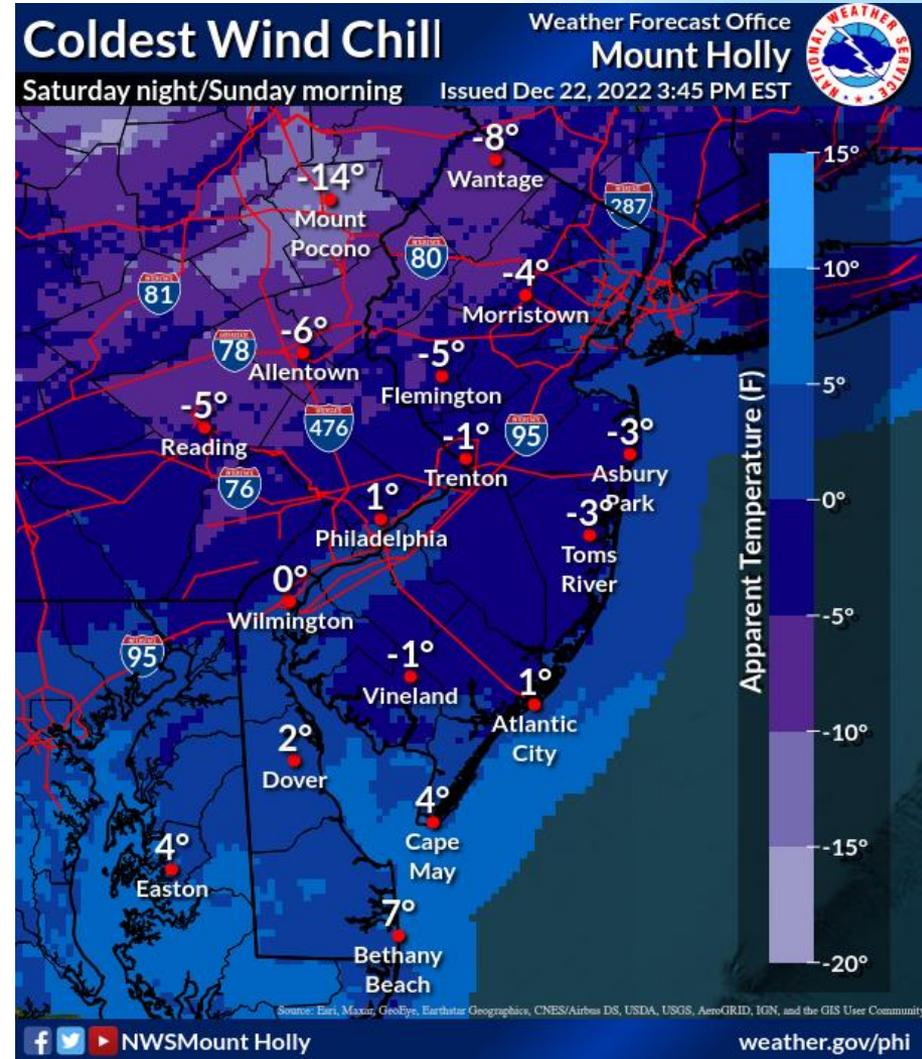
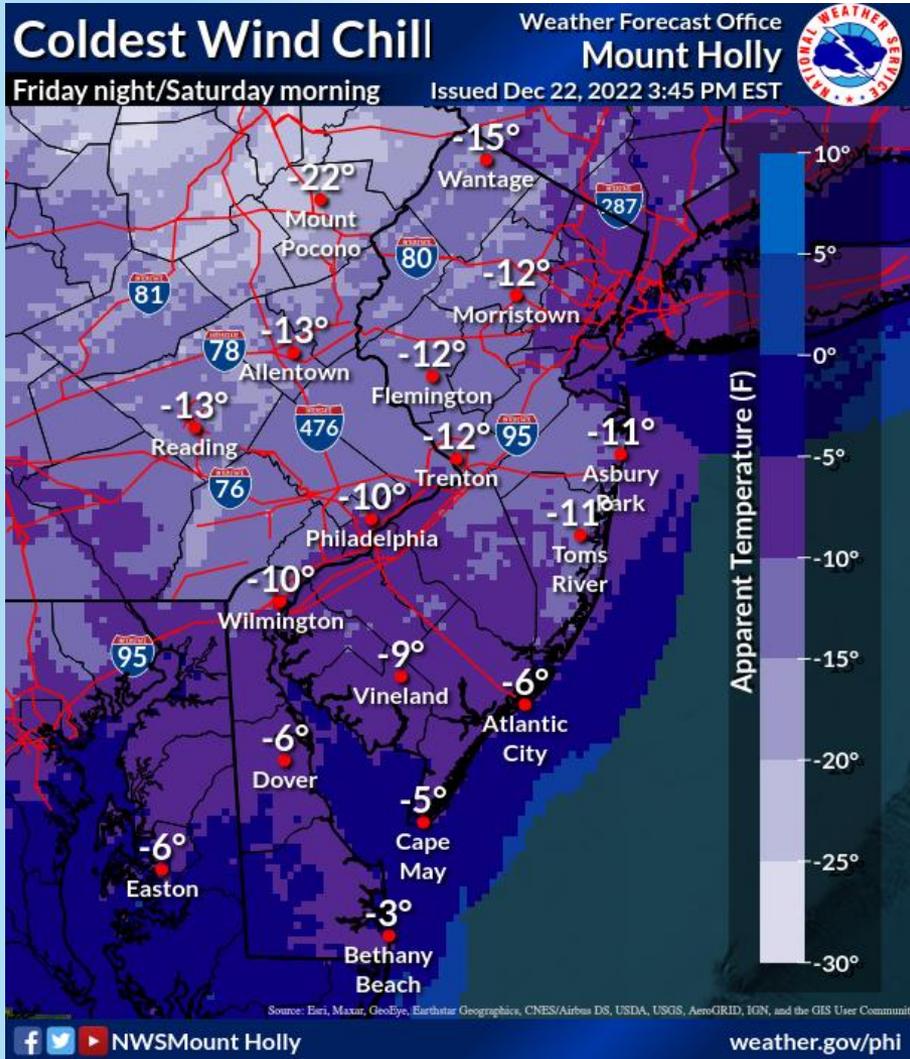
Coastal Flooding



Friday morning and afternoon high tide cycles impacted by widespread coastal flooding along the indicated coasts, with areas of major flooding along Raritan Bay

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

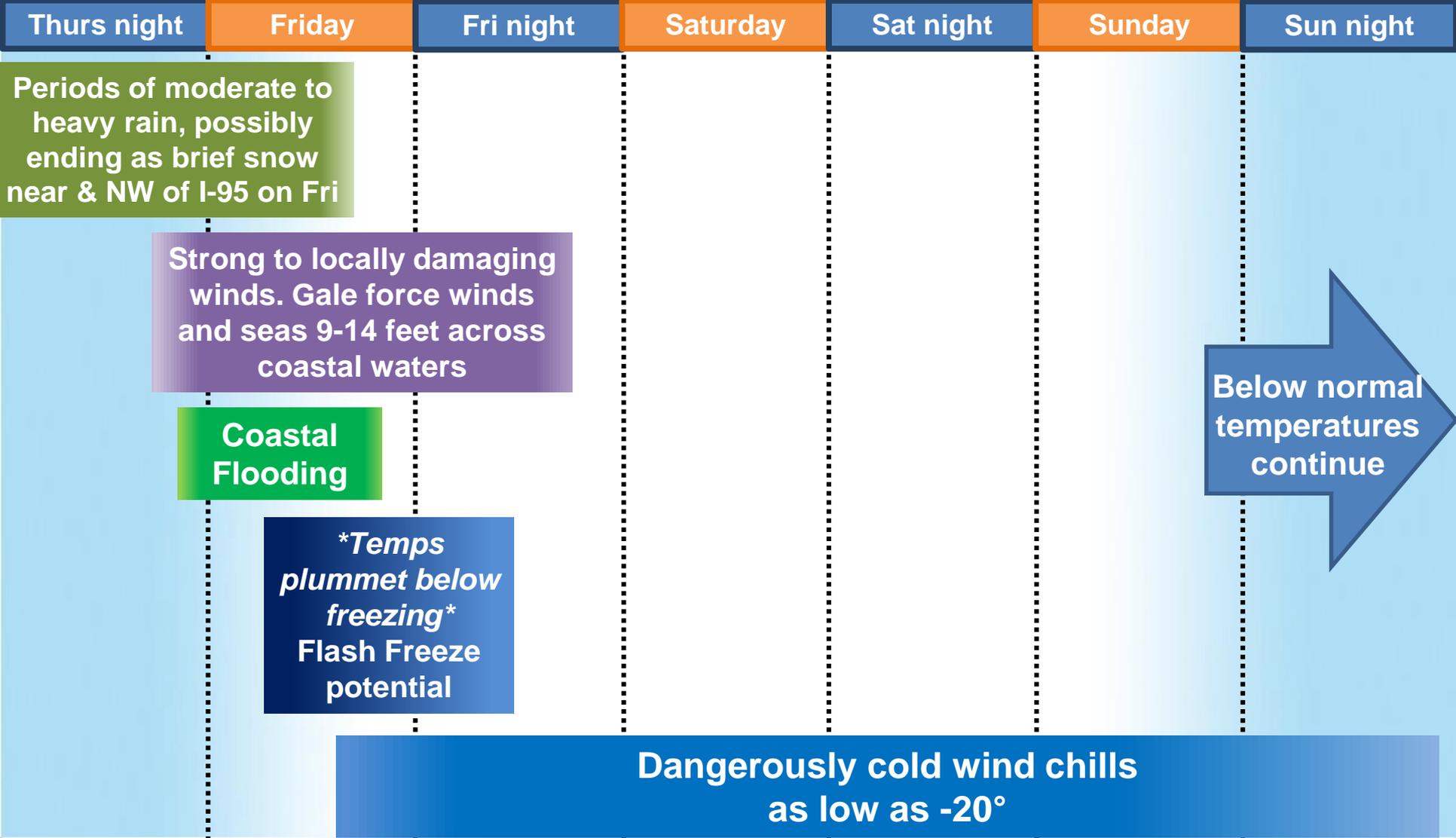
Lowest Wind Chills – Friday night and Saturday Night





Timeline of Hazardous Weather Impacts

Through the Holiday Weekend



Event Summary

- ✓ Periods of rain will 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. 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 tonight. Gusts around 40-50 mph are expected 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 leading to a quick freezing of any wet surfaces. This could create very icy conditions with potentially hazardous travel.**
- ✓ Gale force winds are expected across all Atlantic coastal waters and Delaware Bay tonight through Friday night. There is potential for a few gusts near 50 kts. Seas building to 9-14 feet.
- ✓ **Widespread coastal flooding is expected** 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. Major coastal flooding is expected for the coastal areas of Monmouth and Middlesex Counties in New Jersey. Minor coastal flooding is expected along the eastern shore of Maryland.
- ✓ **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 Friday night. Impacts may be exacerbated if power outages from the winds occur and these impacts last into the weekend.

Contact and Next Briefing Information



This is the last scheduled briefing for this event unless any significant changes occur



Briefing Webpage:

www.weather.gov/media/phi/current_briefing.pdf



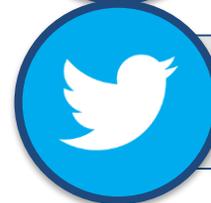
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