

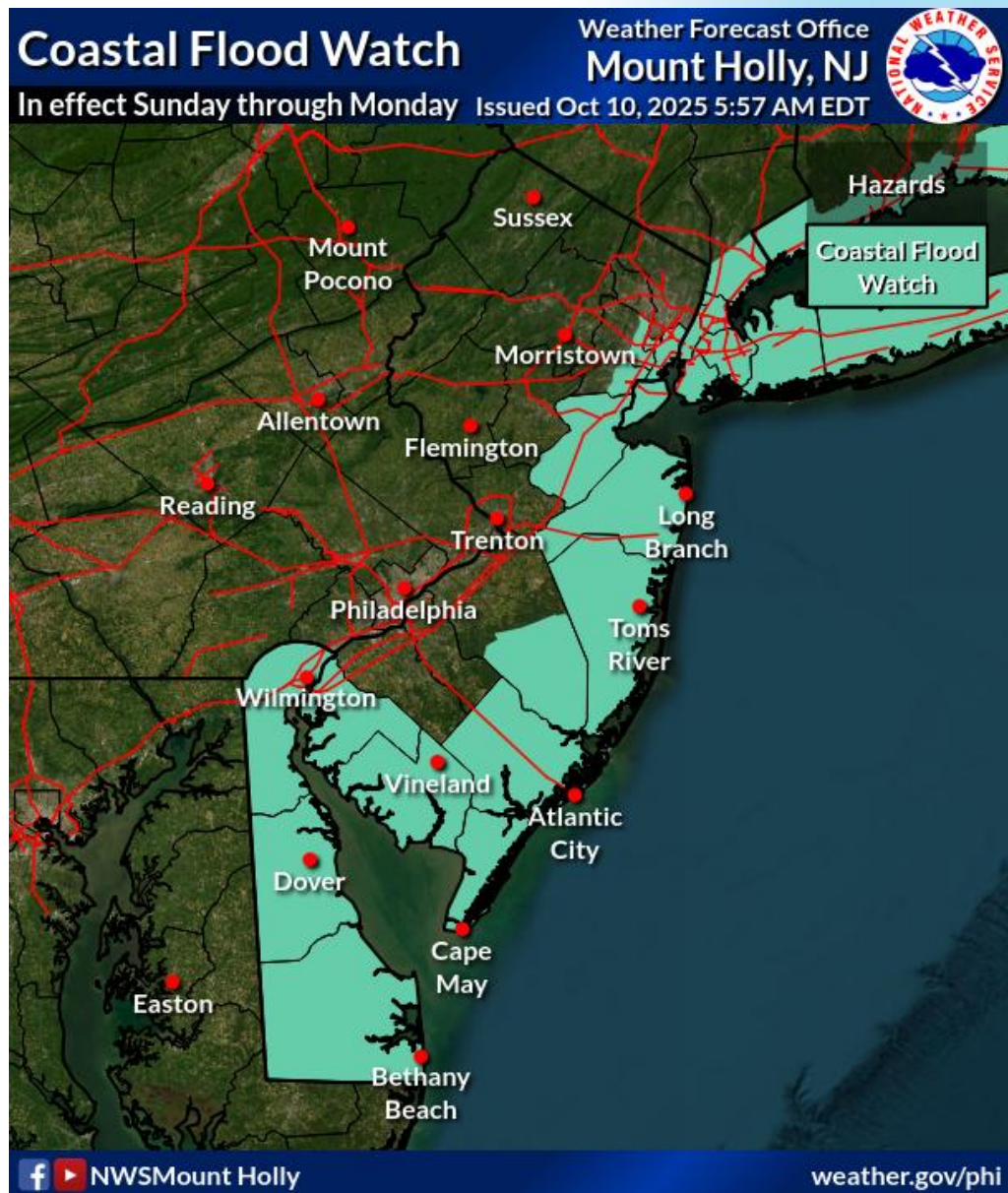
Significant Coastal Storm

October 12-13, 2025

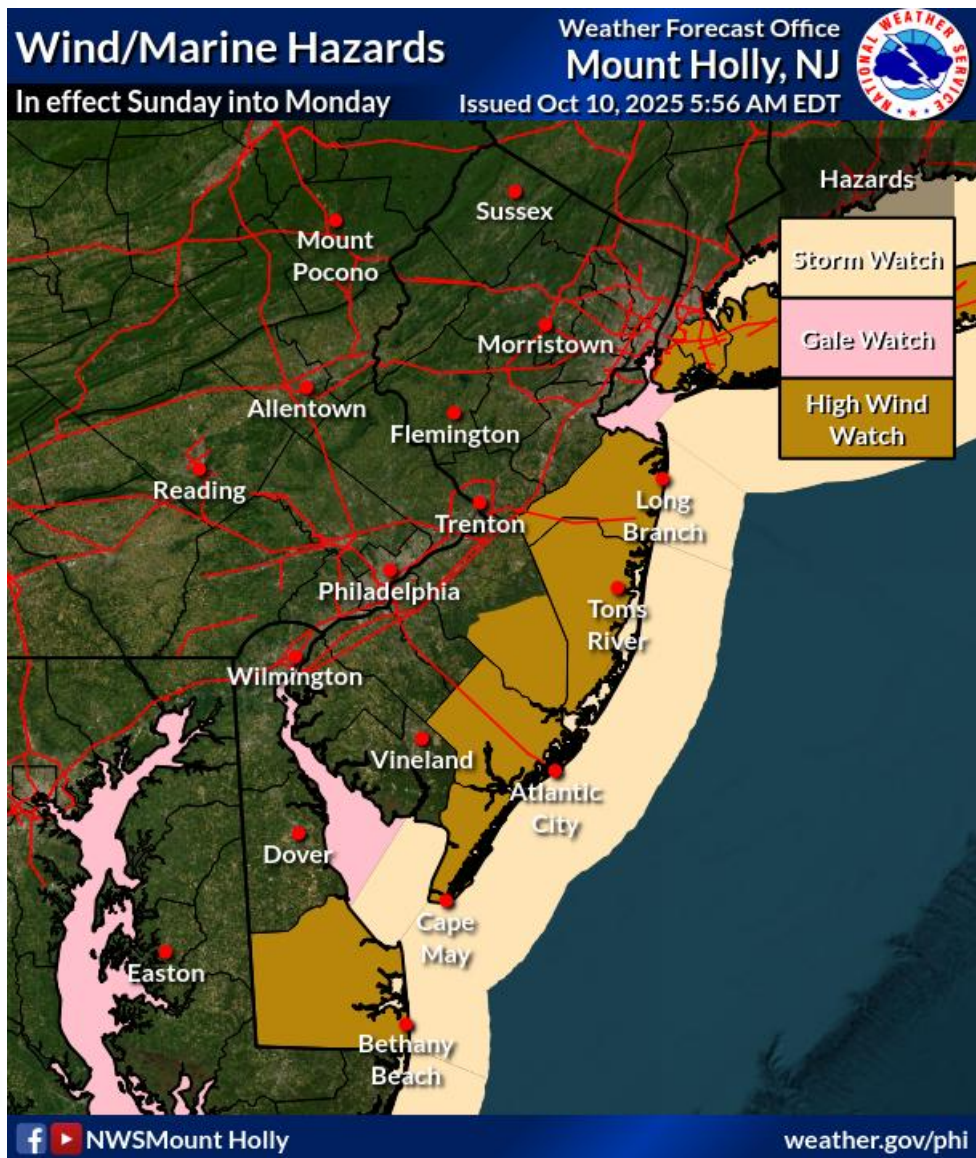
Decision Support Briefing # 4
As of: 6:30 AM October 10, 2025

What Has Changed?

- ✓ *No significant changes to the forecast regarding potential severity of impacts.*
- ✓ *Increasing confidence in significant impacts from coastal flooding and high winds for coastal areas of New Jersey and Delaware.*



Additional Hazards in Effect





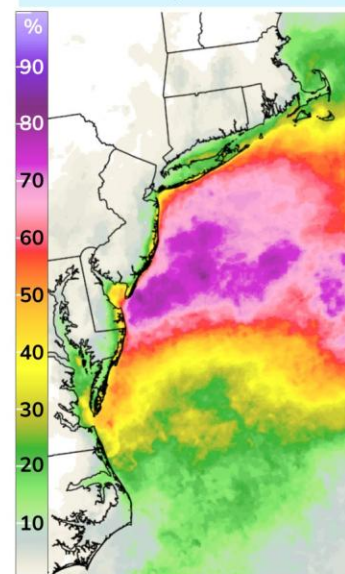
Key Messages for Strong Coastal Low

Issued: Friday, October 10, 2025
4:05 AM EDT

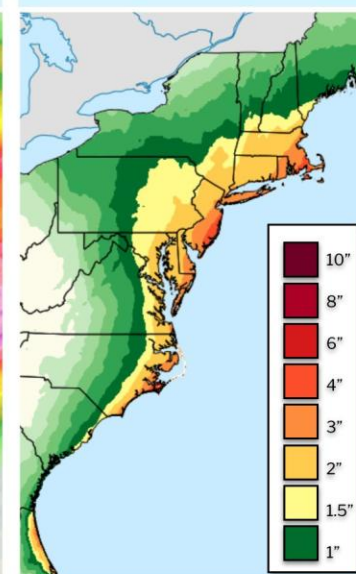
Significant coastal impacts expected along portions of the U.S. East Coast

- **Strong Coastal Low Will Develop This Weekend**
A coastal low is expected to develop off of the Southeast U.S. Coast early Saturday and strengthen through this weekend, bringing significant coastal impacts to parts of the U.S. East Coast through early next week.
- **Potential for Major Coastal Flooding**
The combination of persistent, strong onshore winds, high surf, and high astronomical tides may lead to major coastal flooding for some Mid-Atlantic communities. Coastal residents are urged to heed warnings from their local National Weather Service office and always follow guidance from local officials.
- **Strong Rip Currents & Beach Erosion from High Surf**
High surf is expected on many East Coast beaches, which will generate strong rip currents and likely lead to areas of beach erosion.
- **Potentially Damaging Wind Gusts and Heavy Rain**
There is an increasing threat of wind gusts in excess of 55 MPH and periods of heavy rain for coastal areas of the Mid-Atlantic. This may lead to scattered power outages and isolated to scattered instances of flash flooding.

Chance of 55+ MPH Wind Gusts on Sunday, Oct 12



Most Likely Storm Total Rainfall



Visit Eastern Region Coastal Flood Display for more info
weather.gov/erh/coastalflood



National Oceanic and Atmospheric Administration
U.S. Department of Commerce





For more information go to:

www.wpc.ncep.noaa.gov and www.weather.gov

Weather Prediction Center
College Park, Maryland



Main Points for Coastal Storm Impacts

Hazard	Impacts	Location	Timing
Coastal Flooding 	<p><u>Moderate to major tidal flooding increasingly likely.</u> Potential for widespread roadway flooding, beach erosion, and dune breaching. Damage to some structures along the coast possible.</p>	<p>Coastal areas of New Jersey and Delaware, including Delaware Bay.</p>	<p>High tides Sunday through Monday.</p>
Marine 	<p>Northeast gale and storm force winds (gusts near 45-55 knots). Wave heights on the ocean near 15-20 feet. Very dangerous conditions possible.</p>	<p>Atlantic coastal waters of New Jersey and Delaware, and Delaware Bay.</p>	<p>Saturday night through Monday night.</p>
High Winds 	<p>Strong to damaging winds possible. Northeast wind gusts near 60 mph possible along the New Jersey and Delaware coasts. Wind gusts 30-50 mph possible inland. Power outages and tree damage possible.</p>	<p>Coastal counties of New Jersey and Delaware.</p>	<p>Sunday through Monday.</p>
Heavy Rain/ Flooding 	<p>Widespread rainfall amounts of 1 to 3 inches. Rainfall amounts may be excessive enough to result in areas of flooding, especially in urban areas.</p>	<p>Along and south/east of the I-95 corridor. Greatest rainfall amounts near the coast.</p>	<p>Saturday night through Monday.</p>

Coastal Flood Threat

Coastal Flood Threat

Valid Sun 10:00AM through Mon 9:00PM EDT

Weather Forecast Office
Mount Holly, NJ

Issued Oct 10, 2025 4:54 AM EDT

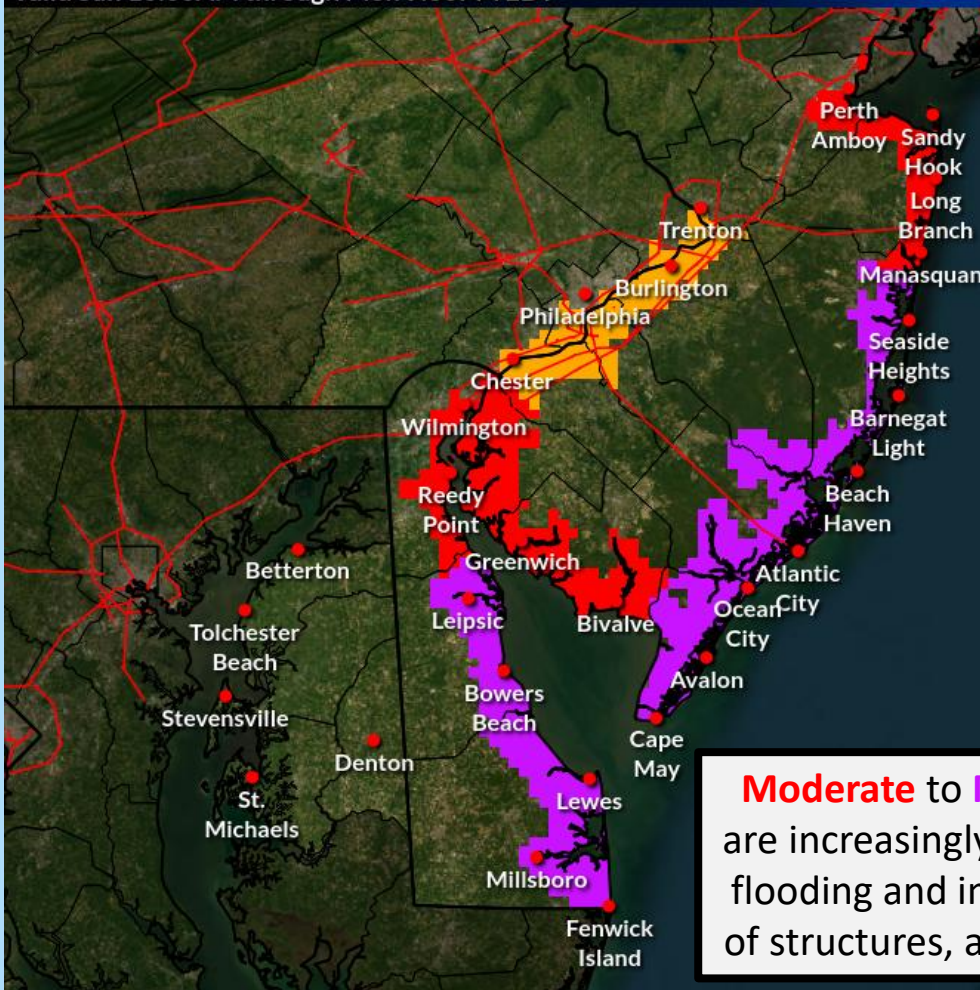


Coastal Flood Watch
in effect for all
Atlantic coastal NJ
and DE, and DE Bay
from Sunday
through Monday.

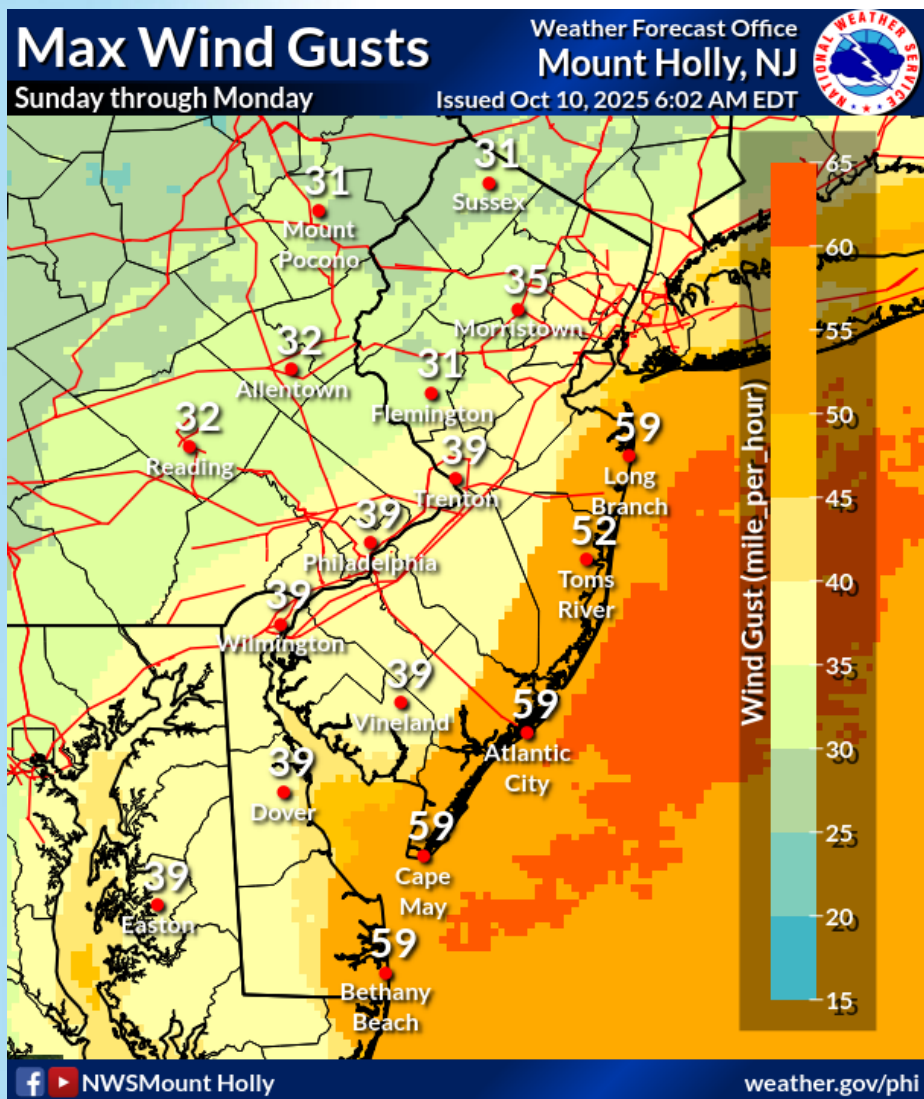
The magnitude and severity of the coastal flooding will depend on the track and intensity of the storm, along with how strong the onshore winds become.

Threat Risk
Spotty Minor
Minor
Moderate
Major

Moderate to **Major** coastal flood impacts are increasingly likely. Widespread roadway flooding and impassable roads, inundation of structures, and evacuations are possible.

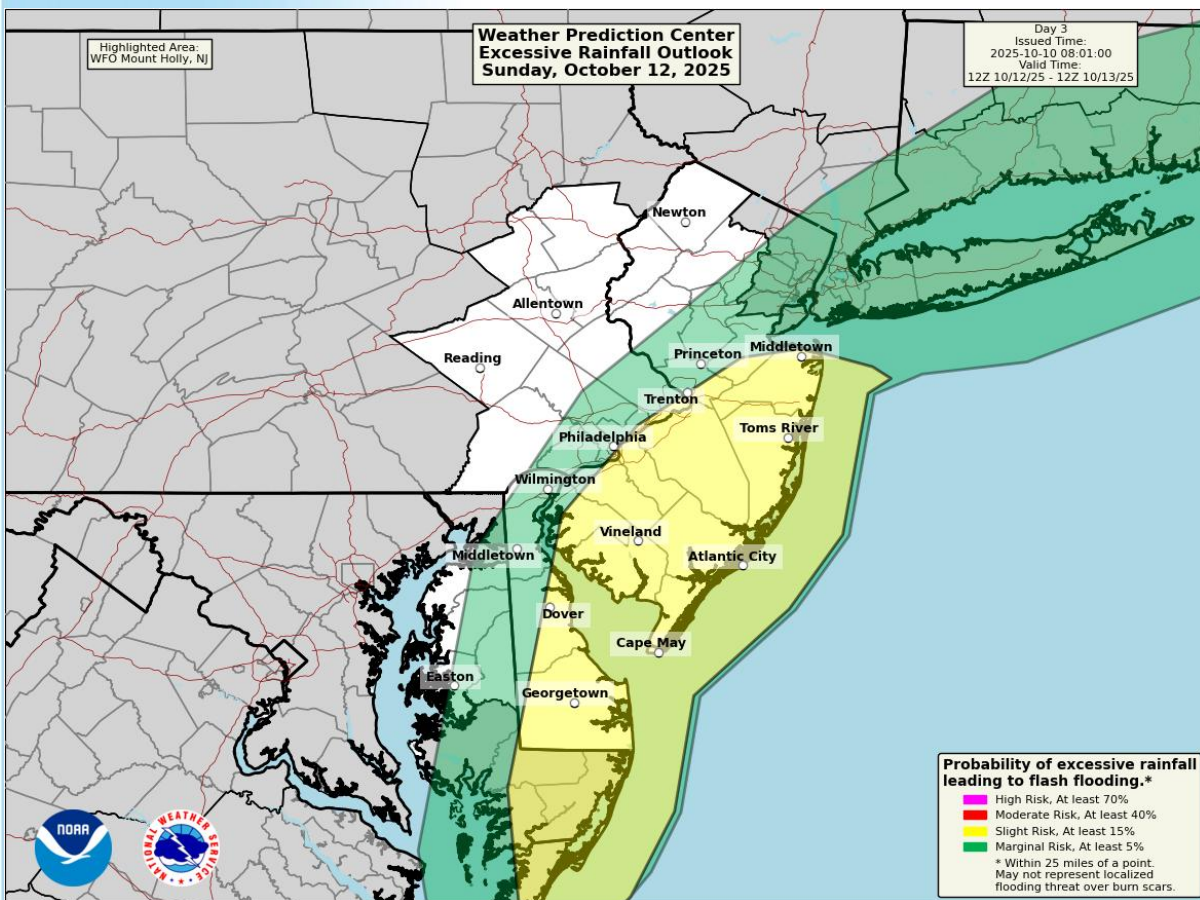


Strong to Damaging Winds Possible



- ✓ Wind gusts of 50-60 mph along the coast possible.
- ✓ Wind gusts of 30-50 mph inland possible.
- ✓ High Wind Watch in effect for coastal counties of NJ and DE
- ✓ Actual magnitude of the winds will depend on the storm track and intensity.

Heavy Rain/Flooding Possible Sunday and Monday

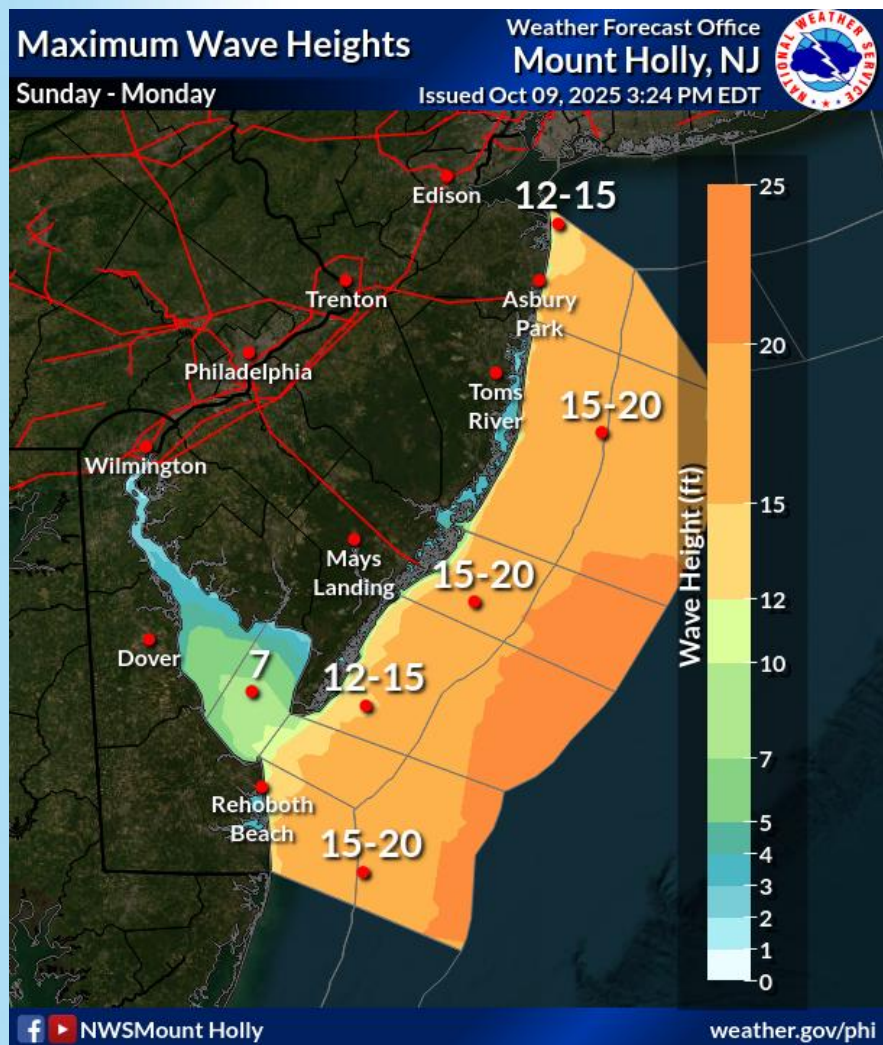


- ✓ Widespread 1-3+ inches of rain forecast for our entire area.
- ✓ Locally higher amounts of 3-5 inches of rain are possible.
- ✓ Forecasted rainfall will fall over a 36 to 48 hour period, therefore flooding due to heavy rain alone will be limited to poor drainage and urban areas.
- ✓ Coastal areas could see a compounded impact with heavy rain on top of moderate to major tidal flooding.

For the latest Excessive Rainfall Outlook map, visit

https://www.wpc.ncep.noaa.gov/qpf/excessive_rainfall_outlook_ero.php

Dangerous Marine & Beach Conditions



- ✓ **Gale-force and Storm-force winds possible across all marine zones Sunday and Monday, Wind gusts of 45-55 knots possible.**
- ✓ **Dangerous seas of 15-20 feet possible across the ocean zones. Extremely rough waters expected within the Delaware Bay.**
- ✓ **Very dangerous surf conditions likely. Significant beach erosion and dune breaching possible.**

Event Summary

- ✓ **Significant impacts from a strong coastal storm are increasingly likely for our area Sunday and Monday.** The severity of impacts to our area will depend on the exact track/intensity of the storm, which remains uncertain. The greatest impacts are most likely for marine and coastal areas, which includes significant coastal flooding, strong to damaging winds, significant waves, beach erosion, and dune breaching.
- ✓ **Moderate to major coastal flooding increasingly likely** along the NJ and DE coasts, and Delaware Bay with the high tides Sunday through Monday. Widespread roadway flooding, impassable roads, inundation of structures, and evacuations possible.
- ✓ **Strong to damaging winds possible** along the NJ and DE coasts and even somewhat inland. Power outages and tree damage possible.
- ✓ **Storm force winds and seas up to 20 feet possible** on the ocean, which would result in very dangerous conditions.
- ✓ Areas of heavy rain could result in **some flooding** of urban and poor drainage areas and low lying areas near the coast.

Contact and Next Briefing Information



Next Briefing

*When: By 5 PM,
October 10, 2025*

Briefing Webpage:

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



Web:

www.weather.gov/phi



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