

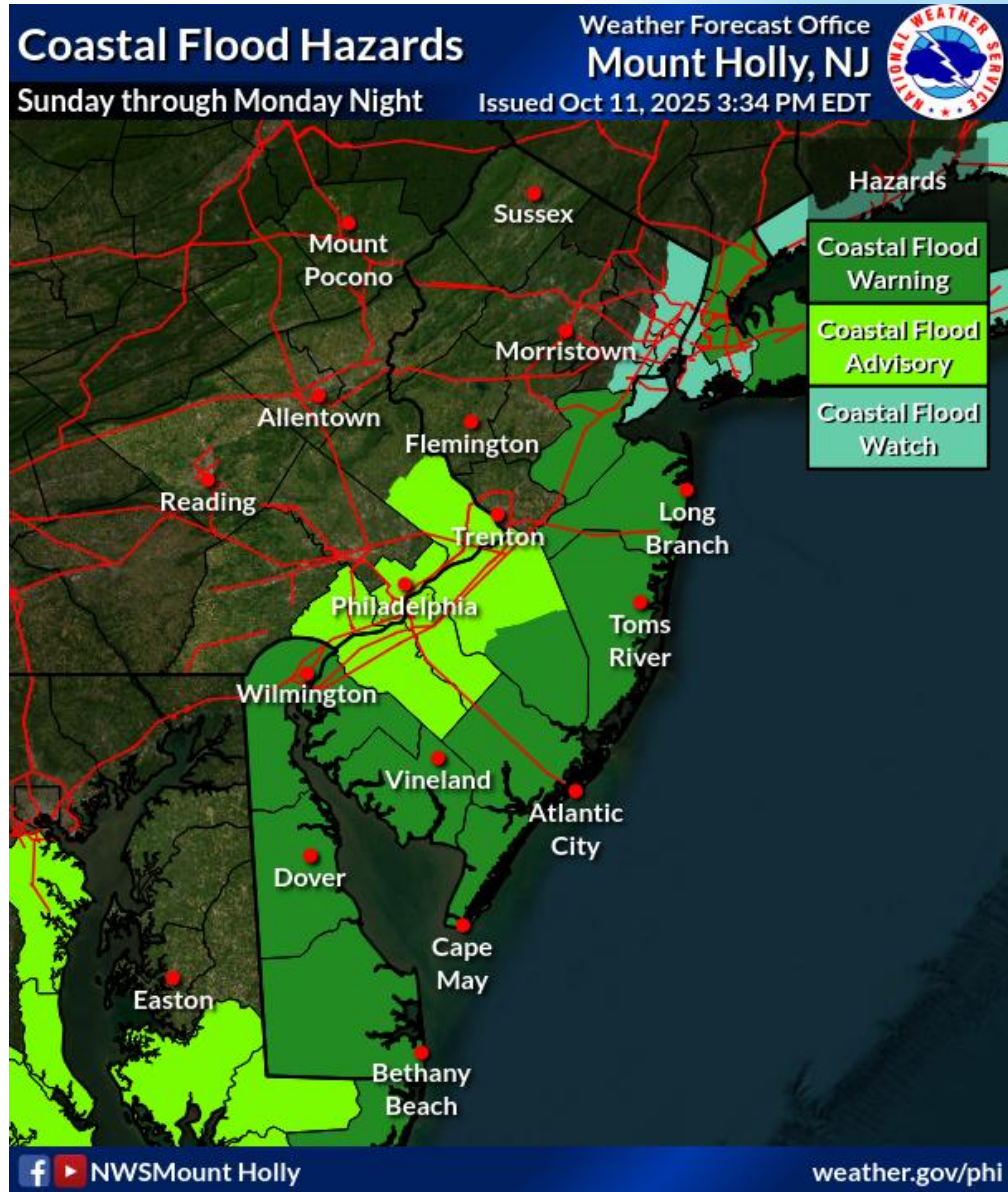
Significant Coastal Storm

October 12-13, 2025

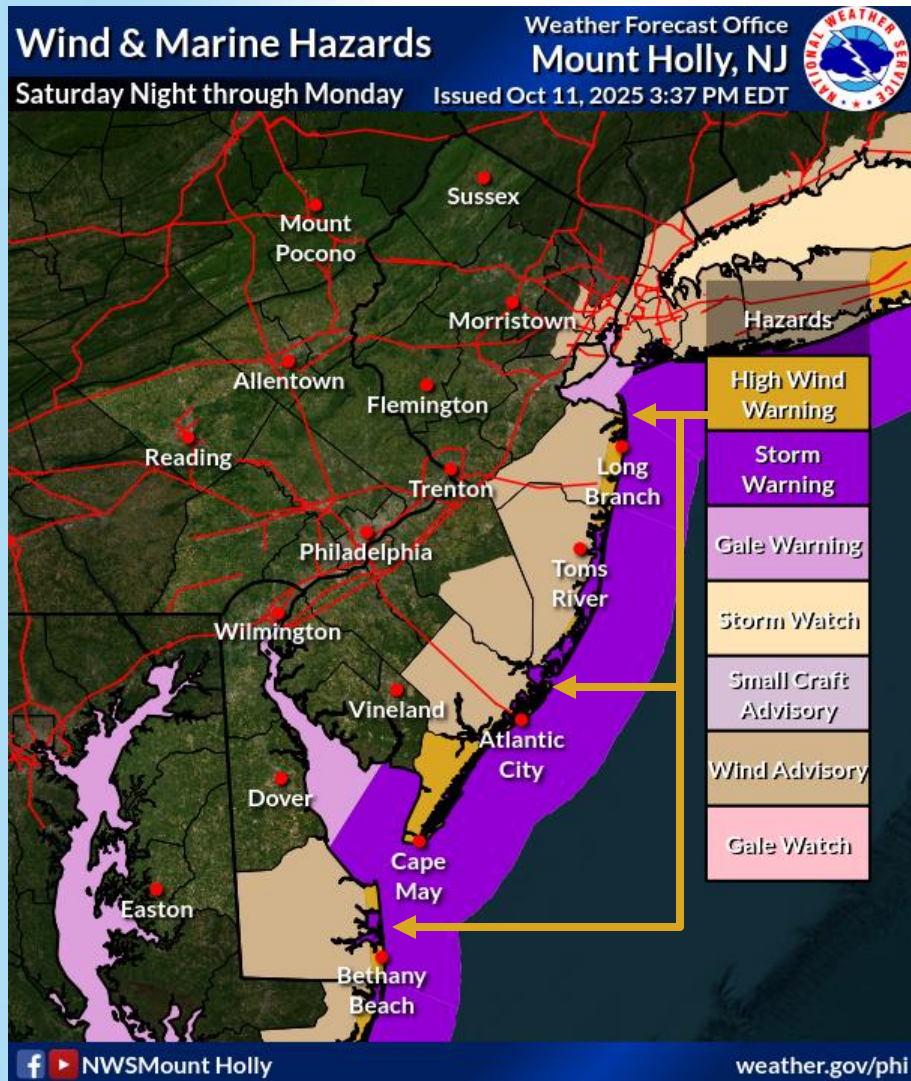
Decision Support Briefing #7
As of 4:30 PM October 11, 2025

What Has Changed?

- ✓ Rainfall totals continue to trend lower.
- ✓ High Wind Warnings and Wind Advisories have been issued.
- ✓ **Confidence remains high in significant impacts** from major coastal flooding, substantial beach erosion, and high winds for coastal areas of New Jersey and Delaware.



Additional Hazards in Effect



- ✓ **High Wind Warning in effect for coastal strip of NJ and DE.**
- ✓ **Wind Advisory in effect for immediate inland counties adjacent to the coast.**



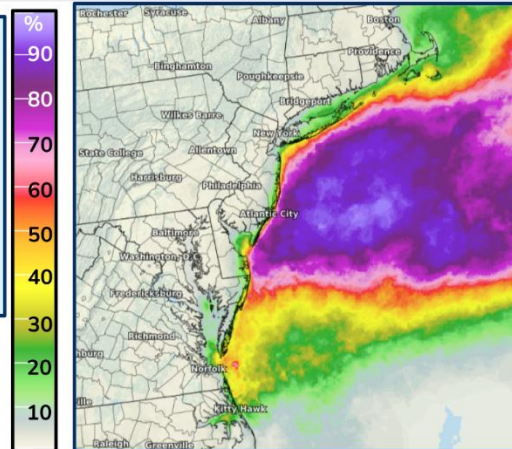
Key Messages for Strong Coastal Low

Issued: Saturday, October 11, 2025
4:10 PM EDT

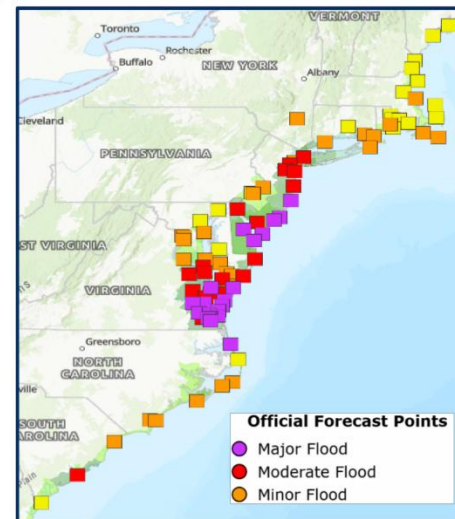
Significant coastal impacts expected along portions of the U.S. East Coast

- Strong Coastal Low Will Strengthen This Weekend**
 The storm has developed off of the Carolina Coast and will strengthen through this weekend, bringing significant coastal impacts to the East Coast.
- Major Coastal Flooding Likely in the Mid-Atlantic**
 The combination of strong onshore winds, high surf, and high astronomical tides will likely lead to major coastal flooding in the Mid-Atlantic, especially along the coasts of the Delmarva and southern New Jersey. Impacts could include flooded roadways and structures near the waterfront. Coastal residents are urged to heed warnings and 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, dangerous rip currents and likely lead to areas of beach erosion.
- Damaging Wind Gusts and Heavy Rain**
 Wind gusts in excess of 55 MPH along and near the Mid-Atlantic and southern New England coastlines may lead to scattered power outages and damage. Heavy rain in the Mid-Atlantic may cause isolated to scattered instances of flash flooding.

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







Forecast Flood Stage for Coastal Locations



Based on forecasts as of Noon EDT Saturday, October 11th. Check water.noaa.gov for the latest information



Main Points for Coastal Storm Impacts

Hazard	Impacts	Location	Timing
Coastal Flooding 	<p><u>Moderate to major tidal flooding remains very likely.</u> Potential for widespread roadway flooding, substantial beach erosion, and dune breaching. <u>Significant damage to some structures along the coast possible.</u></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. <u>Very dangerous conditions likely.</u></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 50-60 mph possible along the New Jersey and Delaware coasts. Wind gusts 30-40 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 may be excessive enough to result in some isolated flooding, mainly in urban and coastal areas.</p>	<p>Along and south/east of the I-95 corridor. Greatest rainfall amounts near the coast.</p>	<p>Saturday night through Monday night.</p>



Coastal Flood Threat

Coastal Flood Threat

Valid Sat 1:00AM through Wed 9:00AM EDT

Weather Forecast Office
Mount Holly, NJ
Issued Oct 11, 2025 3:27 PM EDT



Coastal Flood Hazards in effect for all Atlantic coastal NJ and DE, and DE Bay, & tidal Delaware River from Sunday thru Monday night.



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

Coastal residents are urged to heed any warnings and follow guidance from local officials.

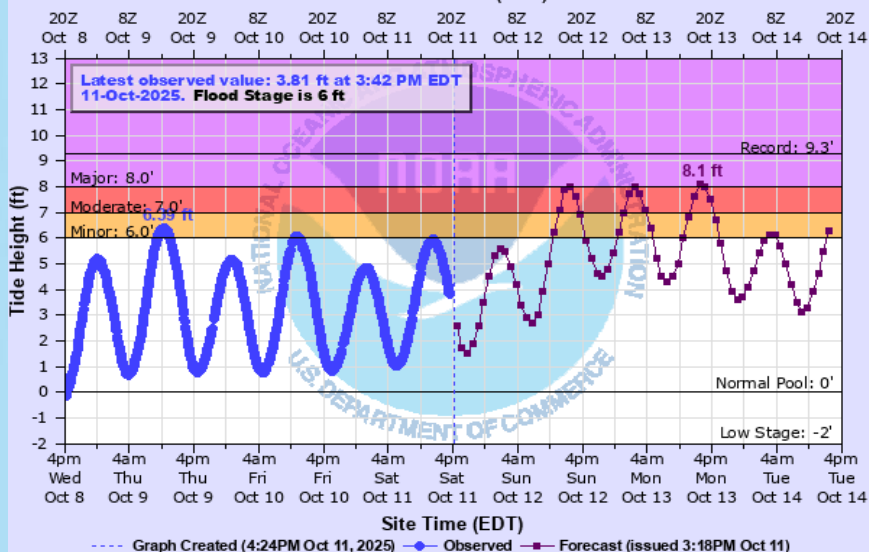
The magnitude and severity of the coastal flooding will depend on the track and intensity of the storm, along with how strong the onshore winds become.

For specific details, visit the [Coastal Flood Threat Display](#).



DELAWARE BAY AT LEWES (IN MLLW)

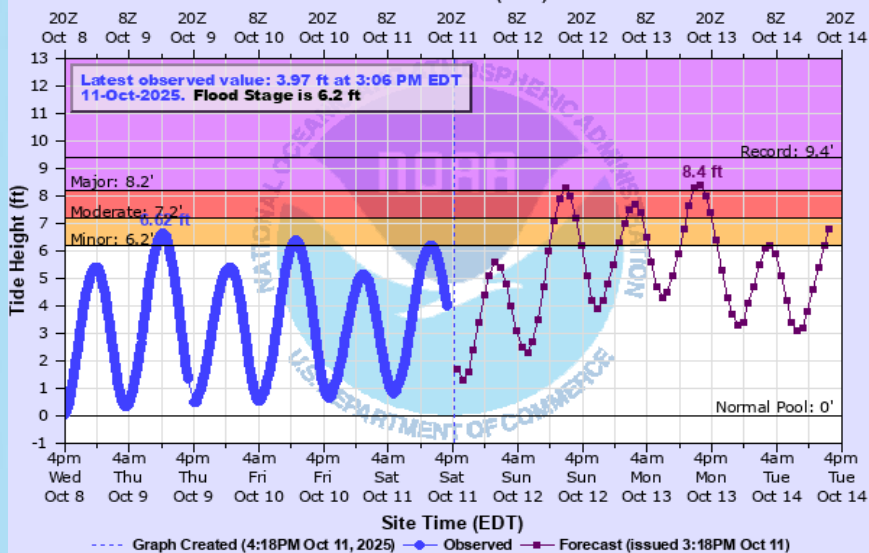
Universal Time (UTC)



LLWSD1(plotting HMIRG) "Gage 0" Datum: 0' Observations courtesy of NOAA National Ocean Service

CAPE MAY HARBOR AT CAPE MAY HARBOR (IN MLLW)

Universal Time (UTC)

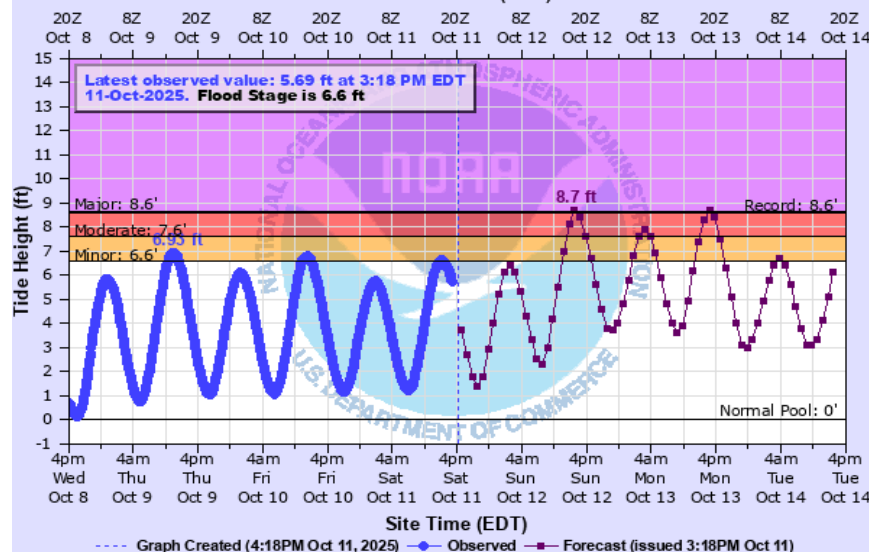


CAPAN4(plotting HMIRG) "Gage 0" Datum: 0' Observations courtesy of US Geological Survey



MURDERKILL RIVER AT BOWERS BEACH (IN MLLW)

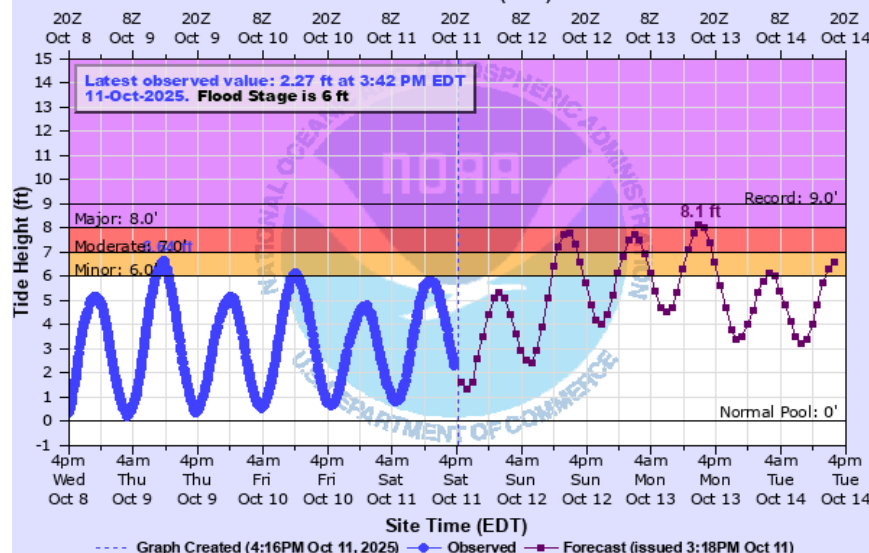
Universal Time (UTC)



BOWD1(plotting HMIRG) "Gage 0" Datum: 0' Observations courtesy of US Geological Survey

NEW JERSEY ATLANTIC COAST AT ATLANTIC CITY (OCEAN FRONT) (IN MLLW)

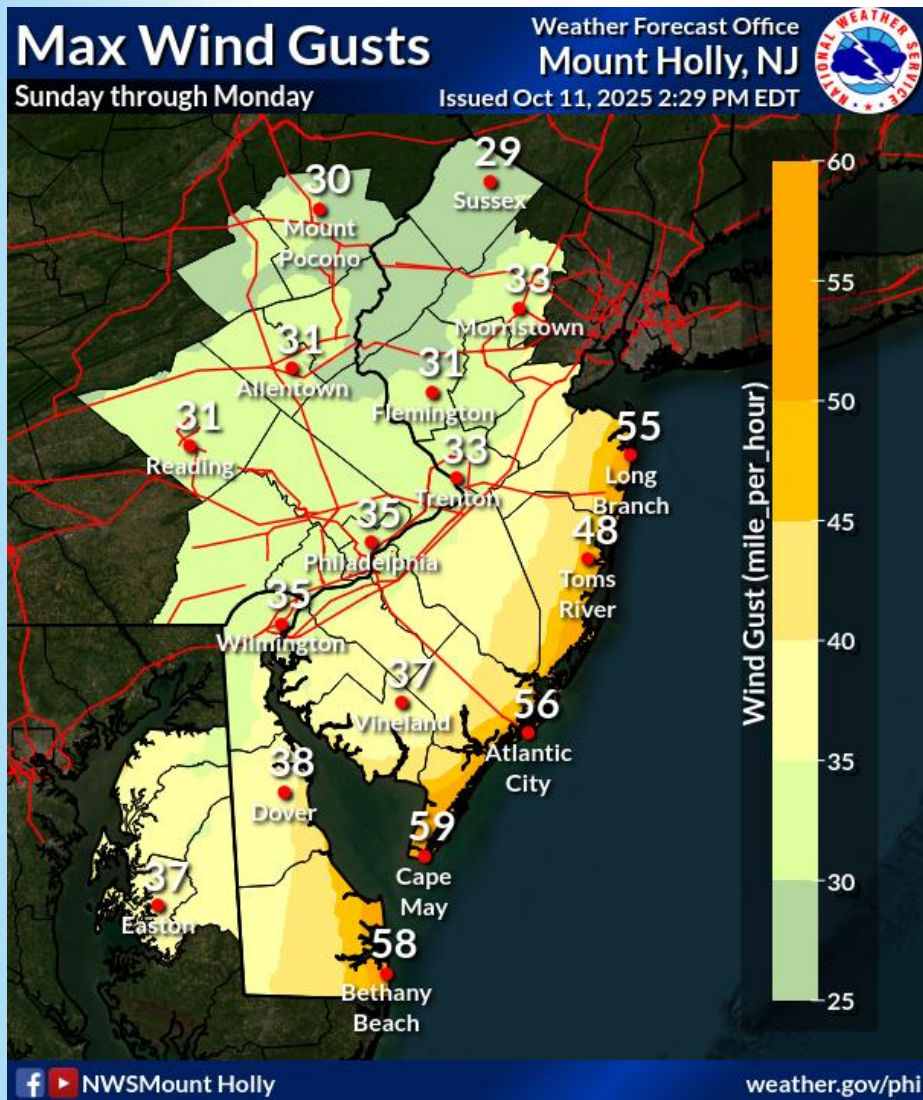
Universal Time (UTC)



ACYN4(plotting HMIRP) "Gage 0" Datum: 0' Observations courtesy of NOAA National Ocean Service

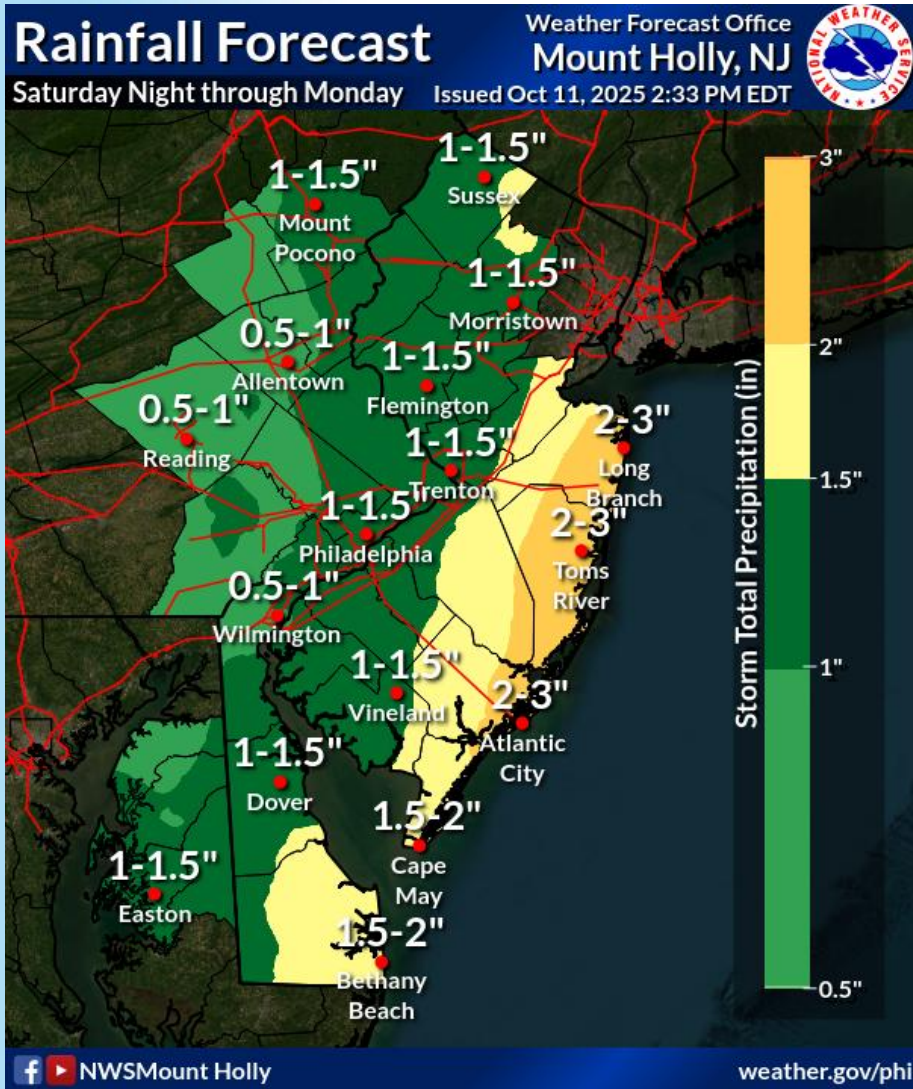


Strong to Damaging Winds



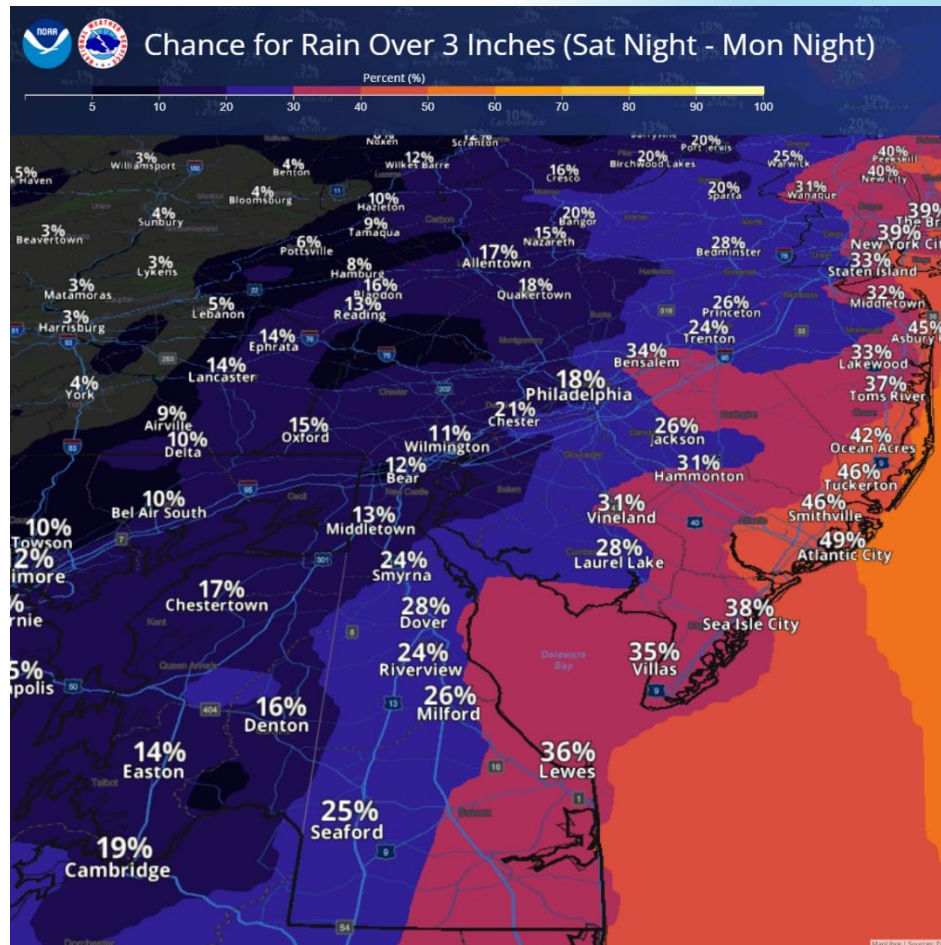
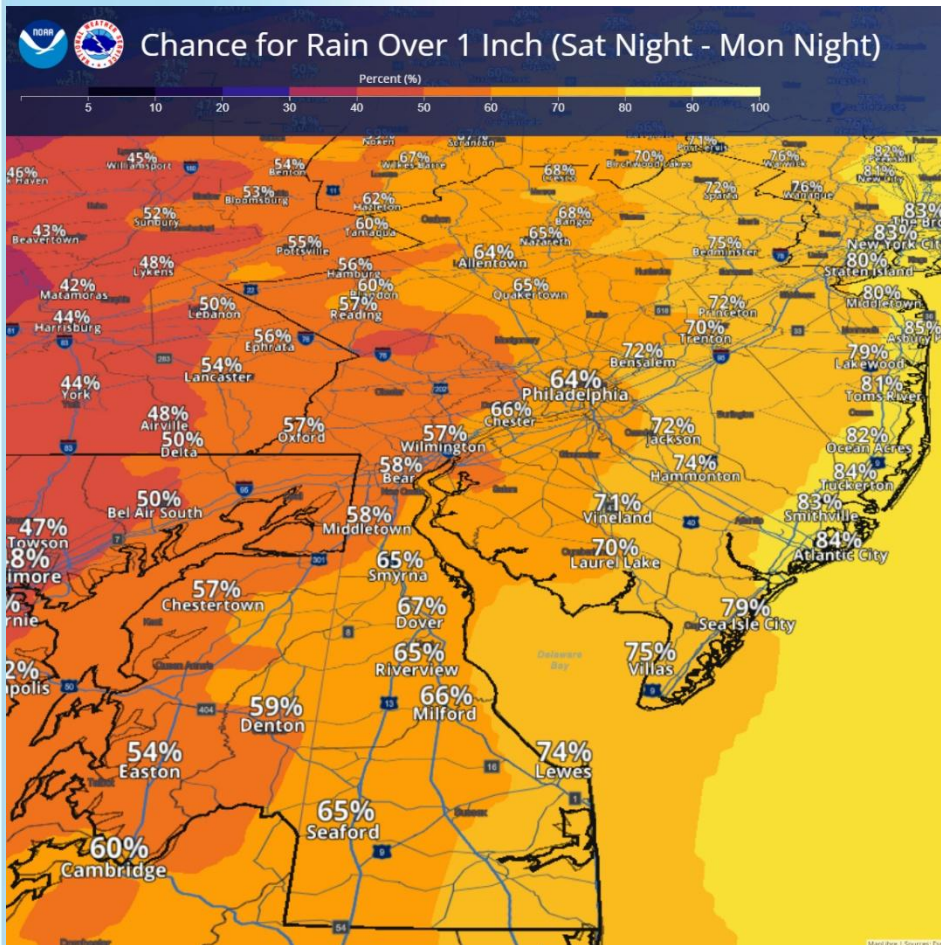
- ✓ Wind gusts of 50-60 mph along the coast; gusts 30-40 mph inland.
- ✓ High Wind Warning now in effect for coastal strip of NJ and DE; Wind Advisory in effect for immediate inland counties adjacent to the coast.
- ✓ Actual magnitude of the winds will depend on the storm track and intensity.
- ✓ Power outages and downed trees are possible, especially near the coast.

Expected Rainfall Sunday and Monday



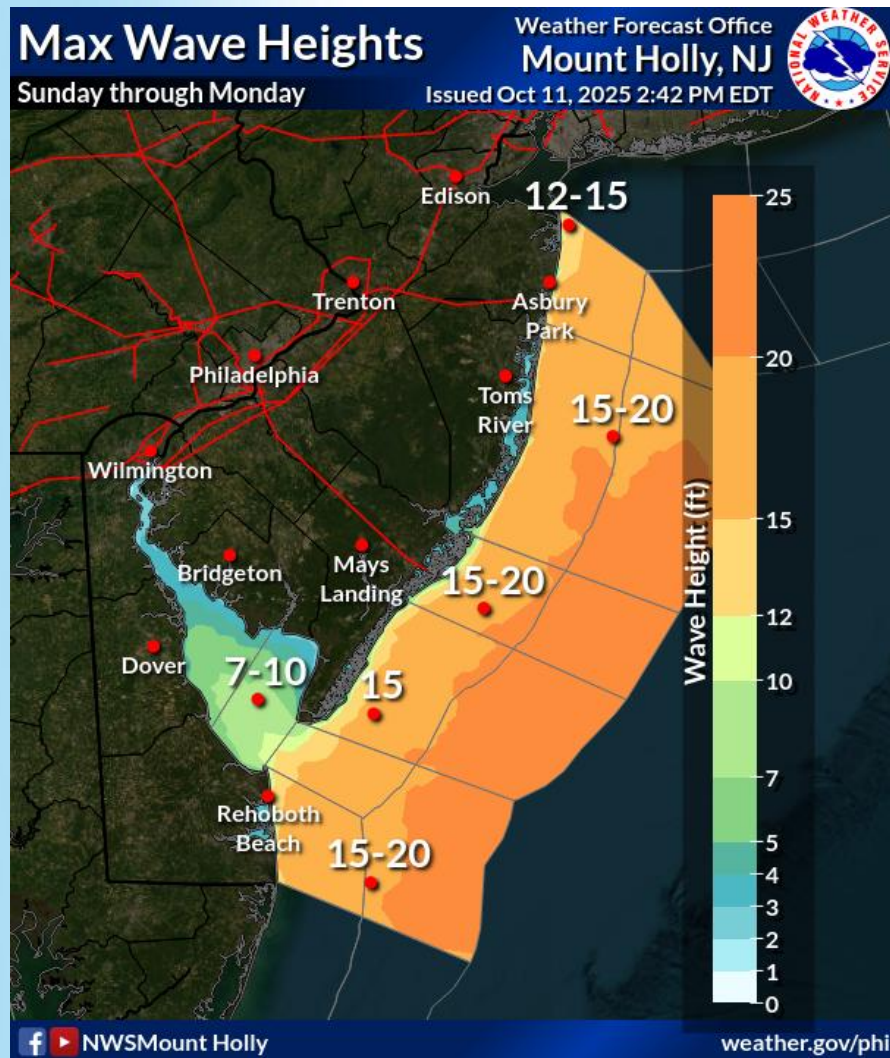
- ✓ Rainfall totals are trending *lower*.
- ✓ Widespread 1-3 inches of rain forecast for much of our area.
- ✓ Highest totals will be near the coast.
- ✓ Coastal areas could see a compounded impact with heavy rain on top of moderate to major tidal flooding, especially during the high tide cycle.

Rainfall Probabilities Through Monday Night



- ✓ Forecasted rainfall will fall over a 48-60 hour period, therefore flooding due to heavy rain alone will be limited to poor drainage and urban areas as well as communities along the coast.
- ✓ Most locations are likely (over 60%) to see over 1" of rain; a chance (30-50%) for local rainfall over 3" mainly along the coast.

Dangerous Marine & Beach Conditions



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



Event Summary

- ✓ **Significant impacts from a strong coastal storm remain very likely for our area Sunday and Monday.** The severity of impacts to our area will depend on the exact track/intensity of the storm. The greatest impacts are most likely for marine and coastal areas, which includes **significant coastal flooding, substantial beach erosion & dune breaching**, strong to damaging winds, and significant waves.
- ✓ **Moderate to major coastal flooding remains very likely** along the NJ and DE coasts, and Delaware Bay with the high tides Sunday through Monday. Widespread roadway flooding, impassable roads, and inundation of structures are increasingly likely. Evacuations remain possible. **Coastal residents are urged to heed any warnings and follow guidance from local officials.**
- ✓ **Strong to damaging winds** 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** on the ocean, resulting 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 7 AM,
October 12, 2025*



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



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www.weather.gov/phi



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