

Weather Briefing

Late Winter Coastal Storm

March 6 – 7, 2013

Prepared 900 AM EST – Tuesday March 5, 2013

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NOAA's National Weather Service

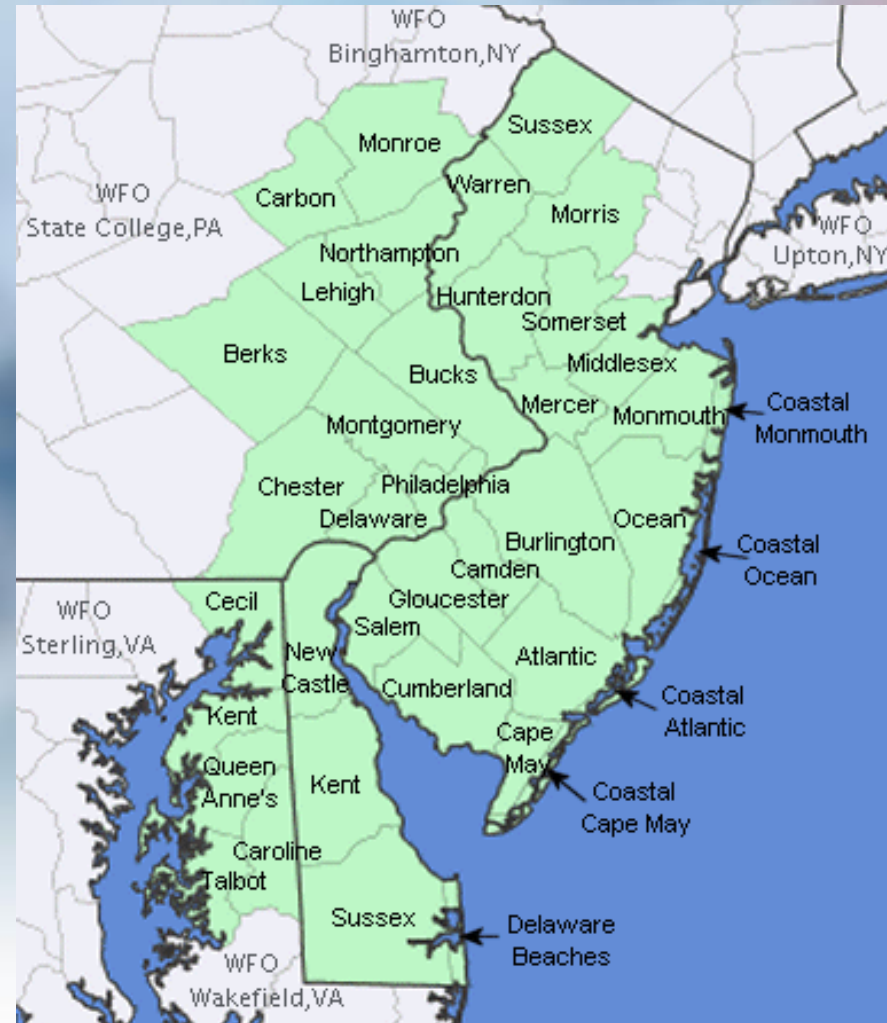
Philadelphia/Mt. Holly NJ Forecast office

Weather.gov/phi



Purpose of Briefing

- Briefing #3 for event
- Promote situational awareness for emergency management community & partners
- Provide guidance for planning efforts
- Briefing applies to Mount Holly service area – shaded in green on map

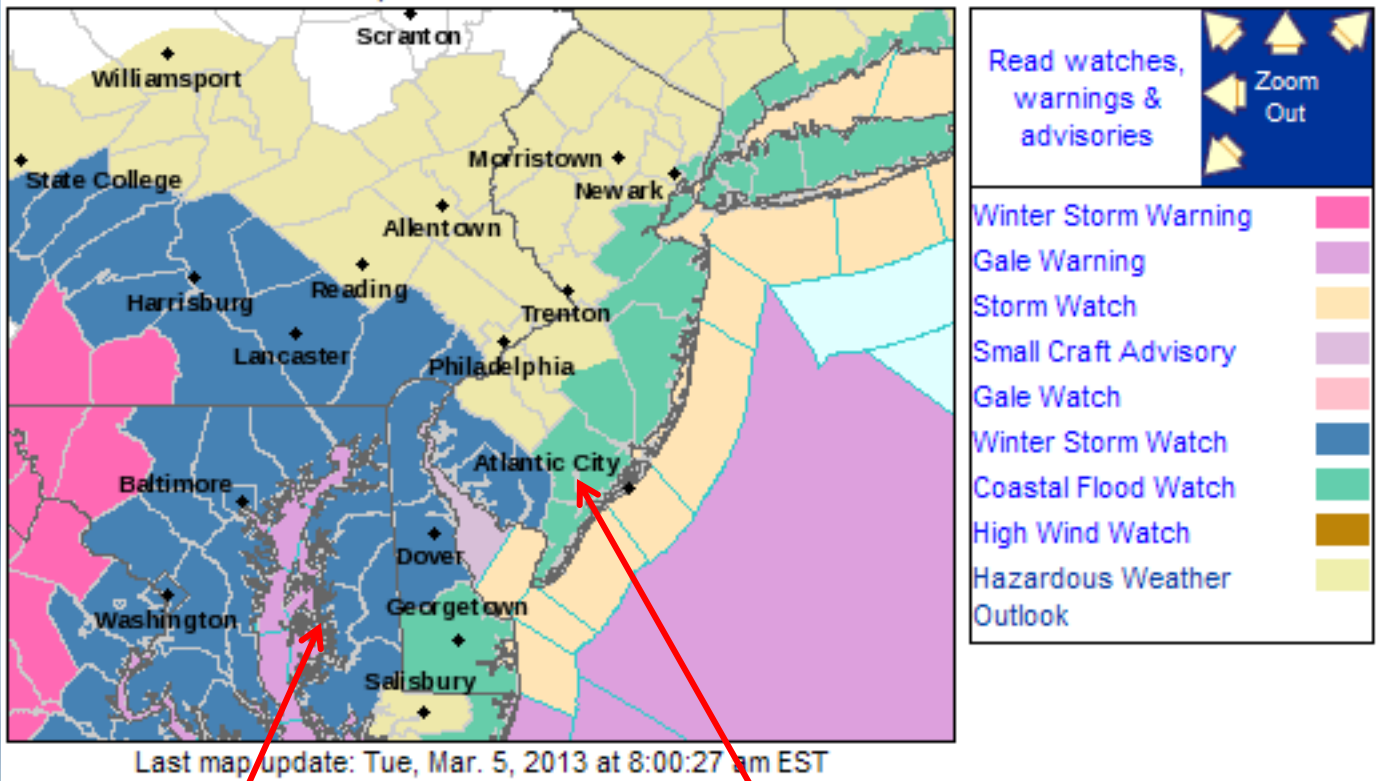


Executive Summary

- Low Pressure from the midwest is expected to intensify along the Virginia coast late Tuesday night, then move only slowly east -northeast through Friday. This will provide the region with a prolonged period of onshore flow.
- Moderate tidal flooding is expected along the Atlantic Coast (both NJ and DE), Delaware Bay, and Raritan Bay, with pockets of **major** flooding possible, especially along the NJ coast. Minor tidal flooding is expected along the eastern shore of the Chesapeake Bay and Delaware River. Tides to watch are Wednesday afternoon and late Wednesday night, but some minor tidal flooding is even possible as early as the Wednesday morning high tide. Coastal Flood Watches have been issued.
- Winds could gust to 60 MPH along the Delaware and southern NJ coasts. Gusts in the 35 to 45 mph range are possible further inland, even in eastern PA. High Wind Watches may be needed.
- Based on current model tracks, around one-half inch of liquid equivalent precipitation (if it all fell as rain) is expected in the southern Poconos and northern New Jersey, with up to 2.0 inches possible in southern Delaware and Talbot and Caroline Counties. Final tallies will be highly dependent on the final track of the storm.
- Mainly rain is expected in far southern NJ and along the NJ and DE coast. However, a complex mixture of rain and snow is expected inland. Up to 6 inches is possible in interior sections of the Delmarva and southeast PA. Winter Storm Watches have been posted and expanded for portions of the Mount Holly CWA. This will be a heavy wet snow, which combined with strong winds, could bring down trees and power lines.
- No river flooding is expected from this event.
- Please check our website for up-to-date information: www.weather.gov/phi
- Another briefing package will be issued Tuesday afternoon.



Latest Watch / Warning Map from NWS Mount Holly

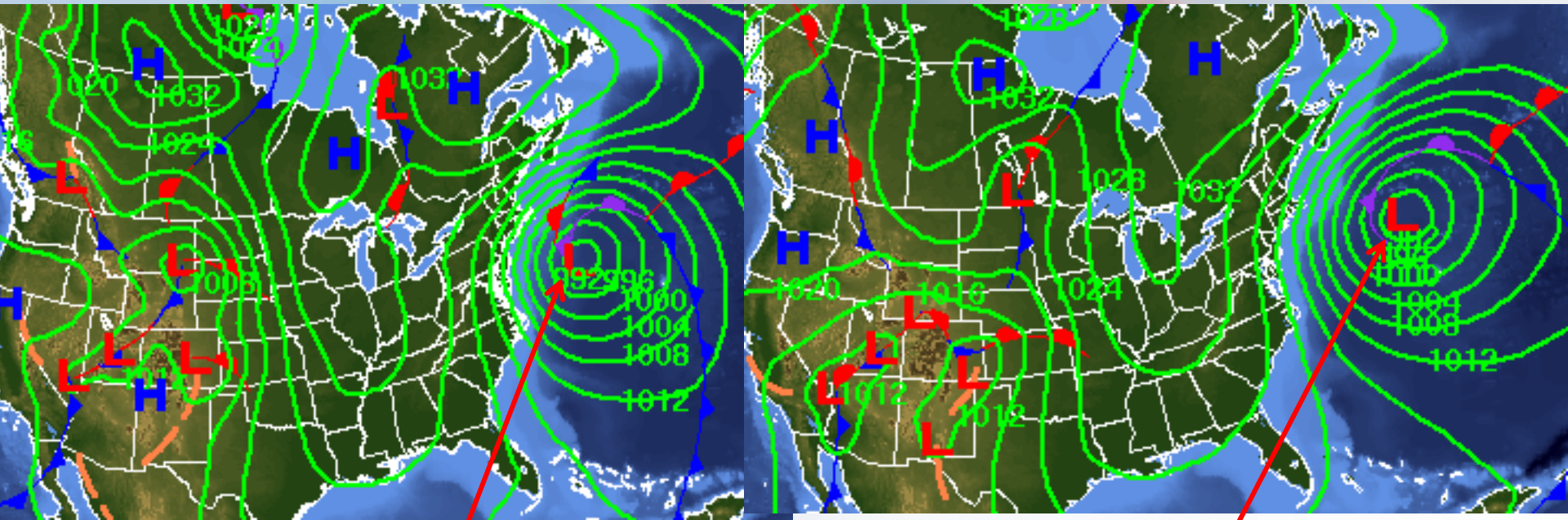


Winter Storm Watch (blue)

Coastal Flood Watch (green)

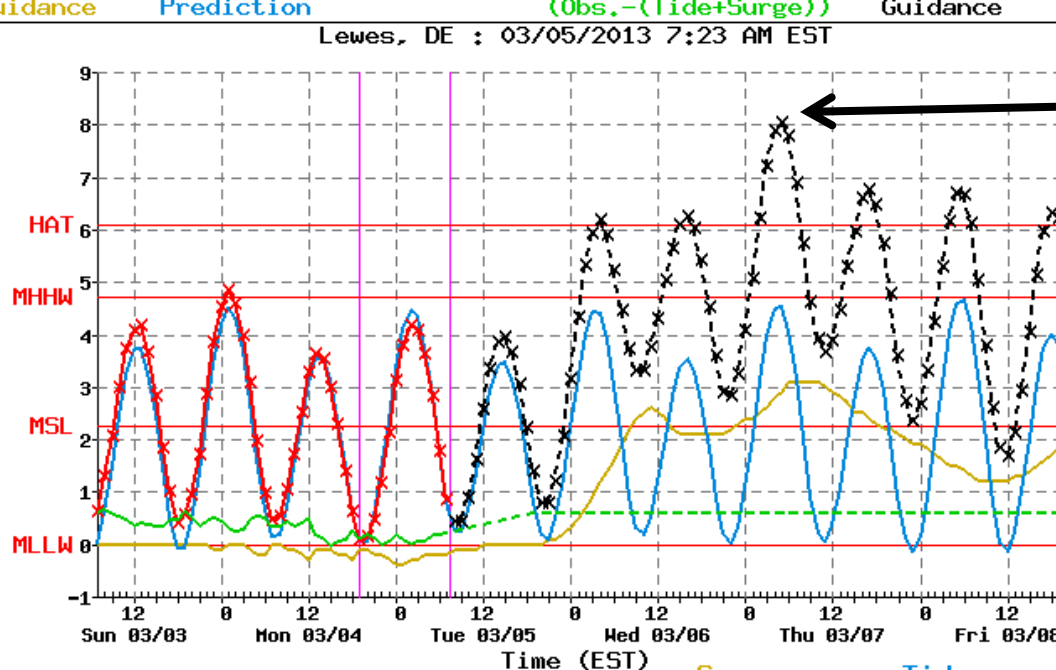


Expected Positions of Slow Moving Coastal Low Pressure System



7 AM Thursday

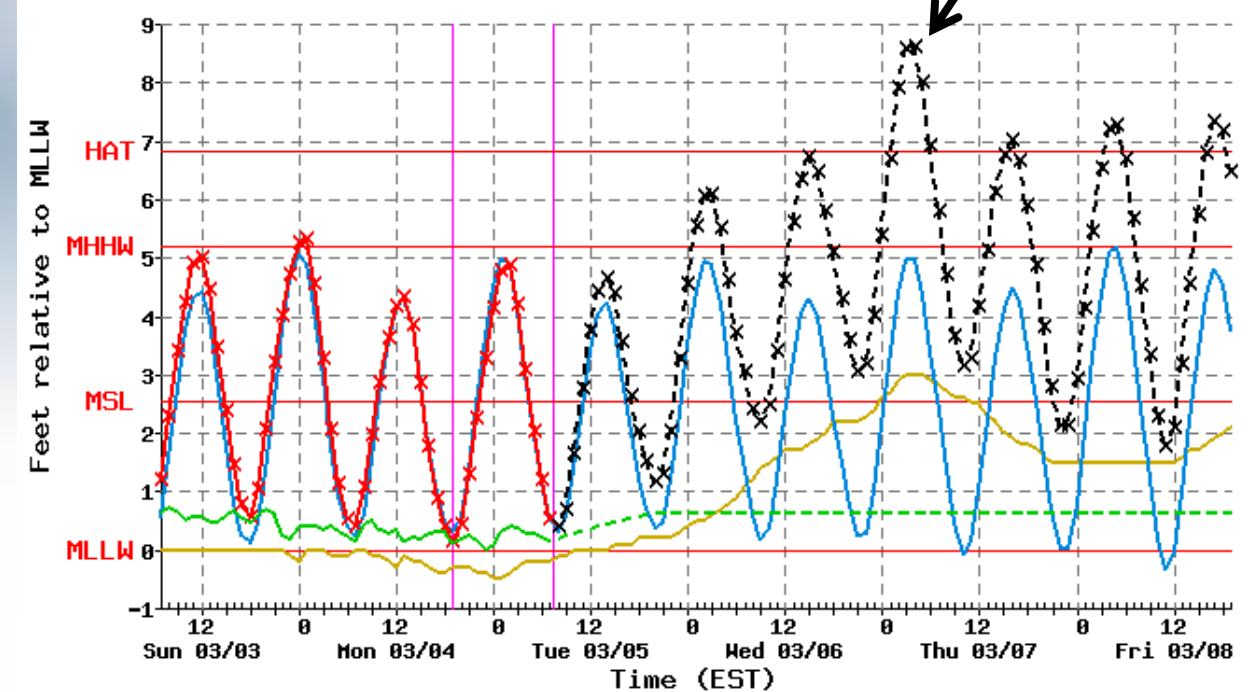
7 AM Friday



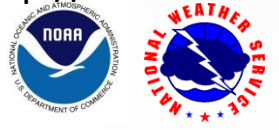
Latest Guidance indicates the potential for moderate tidal flooding late Wednesday night (top = Lewes DE, bottom = Sandy Hook NJ). There could even be some pockets of major tidal flooding.

Surge Guidance Tide Prediction Observation Anomaly (Obs.-(Tide+Surge)) Total Water Guidance

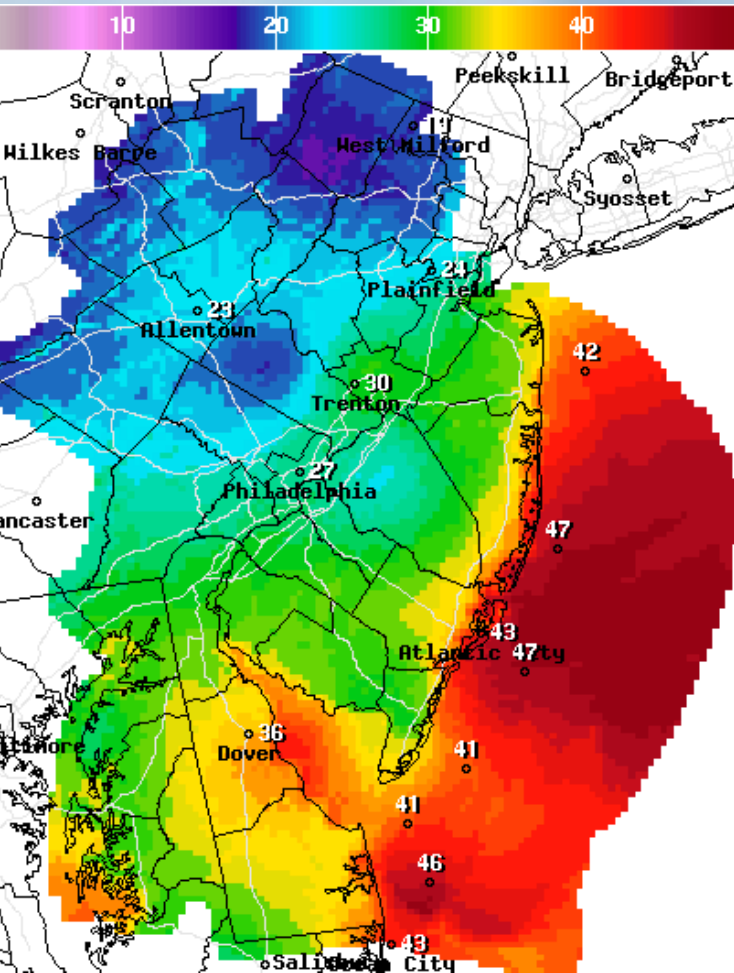
Sandy Hook, NJ : 03/05/2013 7:23 AM EST



<http://www.nws.noaa.gov/mdl/etsurge>

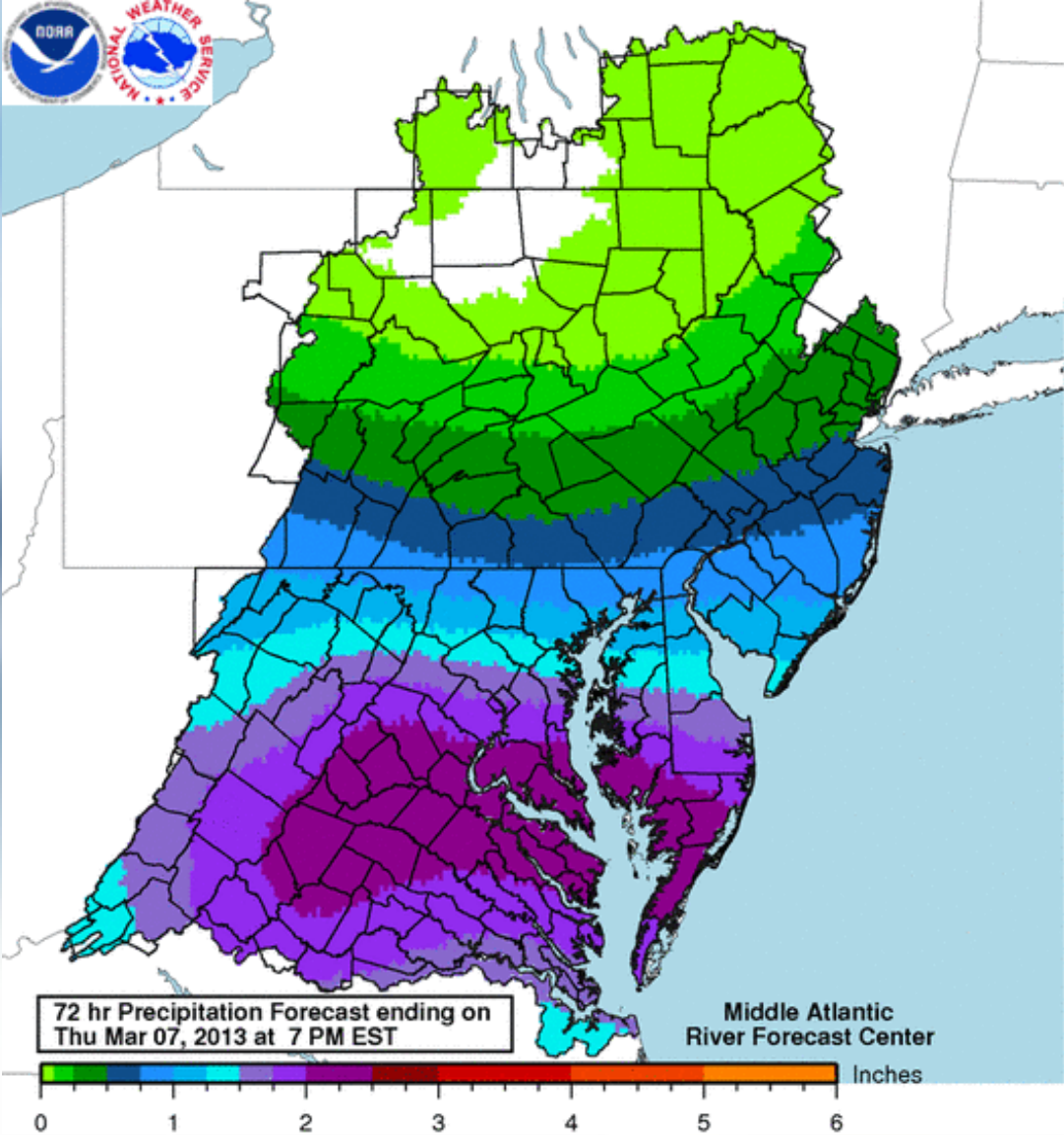


Winds during the storm

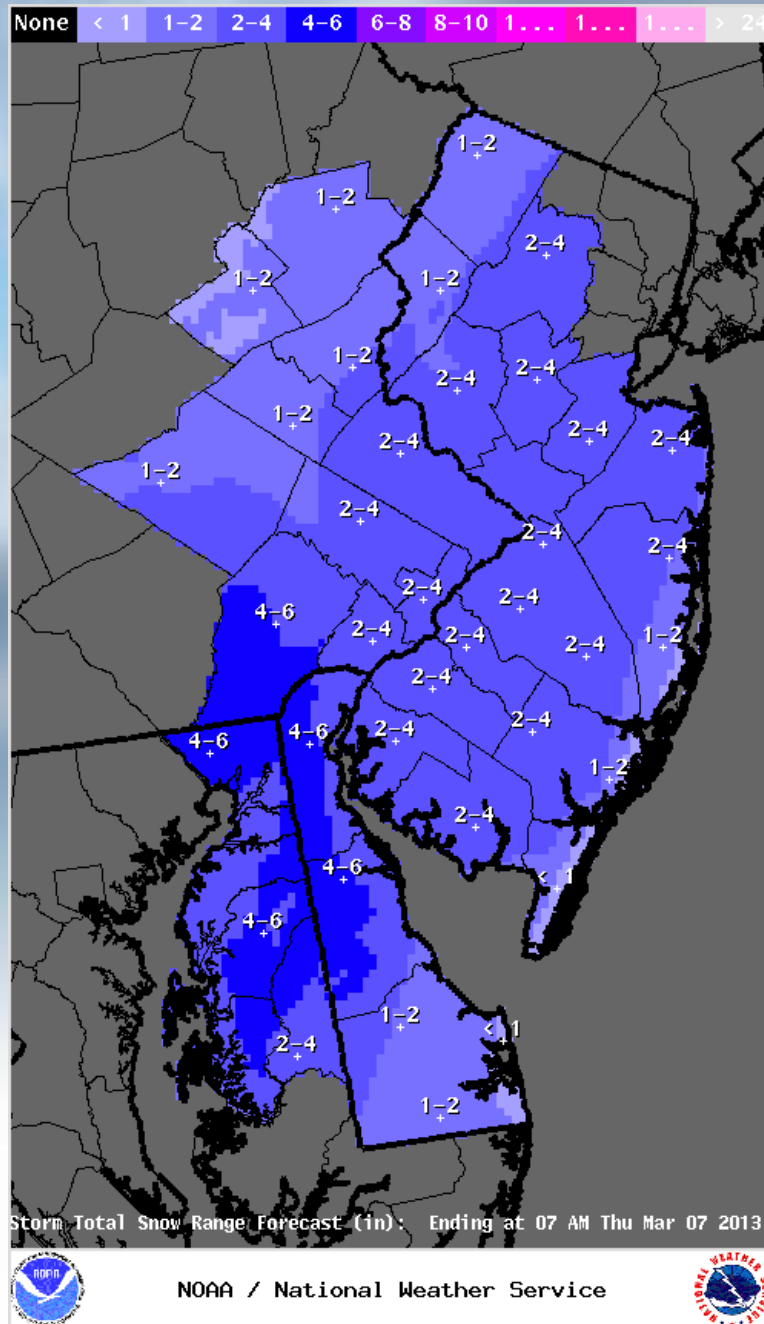


- Storm force winds possible over coastal waters, with 15 to 20 foot seas.
- Possible wind gusts to 60 mph right on the coast...with gusts 35 to 45 mph further inland...even over eastern PA.
- Note: Map to left shows wind gusts at 1 AM Thursday in KNOTS.

Heaviest Precipitation Expected South of the C&D Canal, and far Southern NJ



Snowfall Totals Expected through 7 AM Thursday



National Weather Service
Philadelphia/Mt. Holly

Questions?

- For the latest information, visit our website at <http://www.erh.noaa.gov/phi/>
- Our latest briefing package is available from our website at:
http://www.erh.noaa.gov/phi/briefing/packages/current_briefing.pdf
- If you wish to be notified when a briefing package is issued, you can follow us on social media where we post the notice.
- You can 'friend' us on Facebook at: US National Weather Service Philadelphia/Mount Holly
- You can follow us on Twitter at: @NWS_MountHolly
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