

# **Weather briefing Strong Coastal Nor'easter November 7<sup>th</sup>-8<sup>th</sup>, 2012**

Prepared 1230 PM EDT – Thursday November 8, 2012

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NOAA's National Weather Service

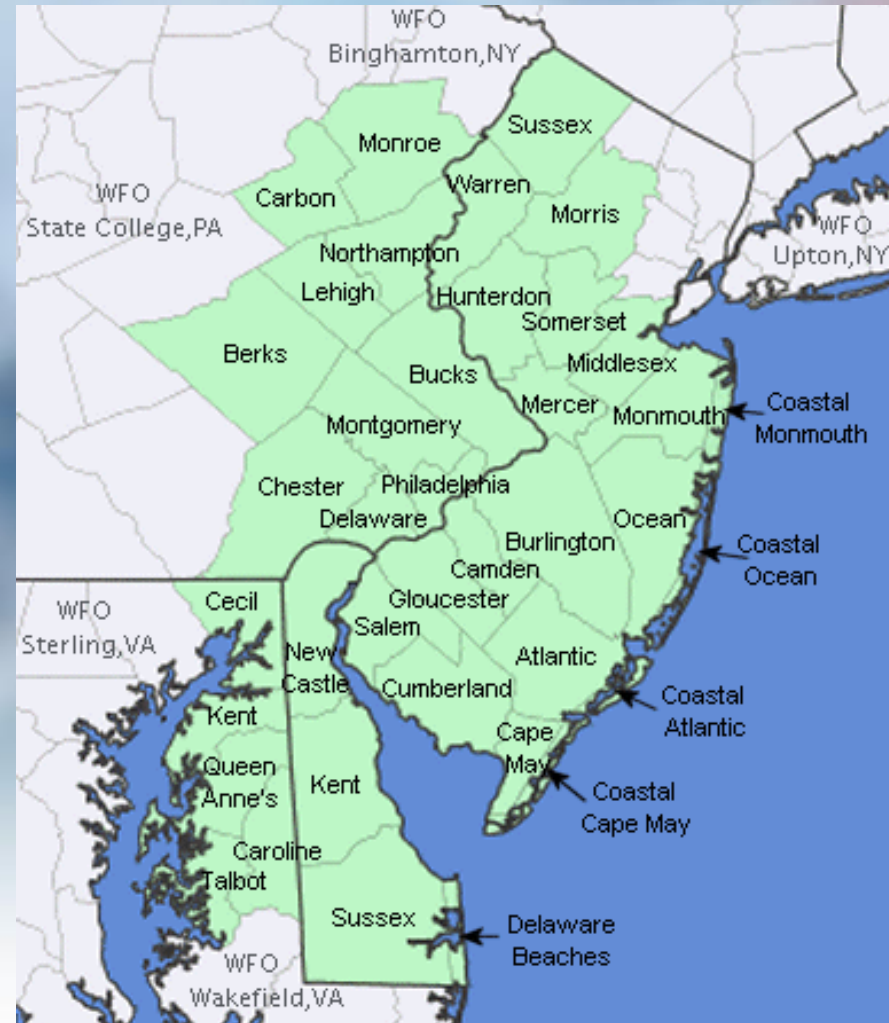
Philadelphia/Mt. Holly NJ Forecast Office

<http://www.erh.noaa.gov/phi/>



# Purpose of Briefing

- Briefing #7 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



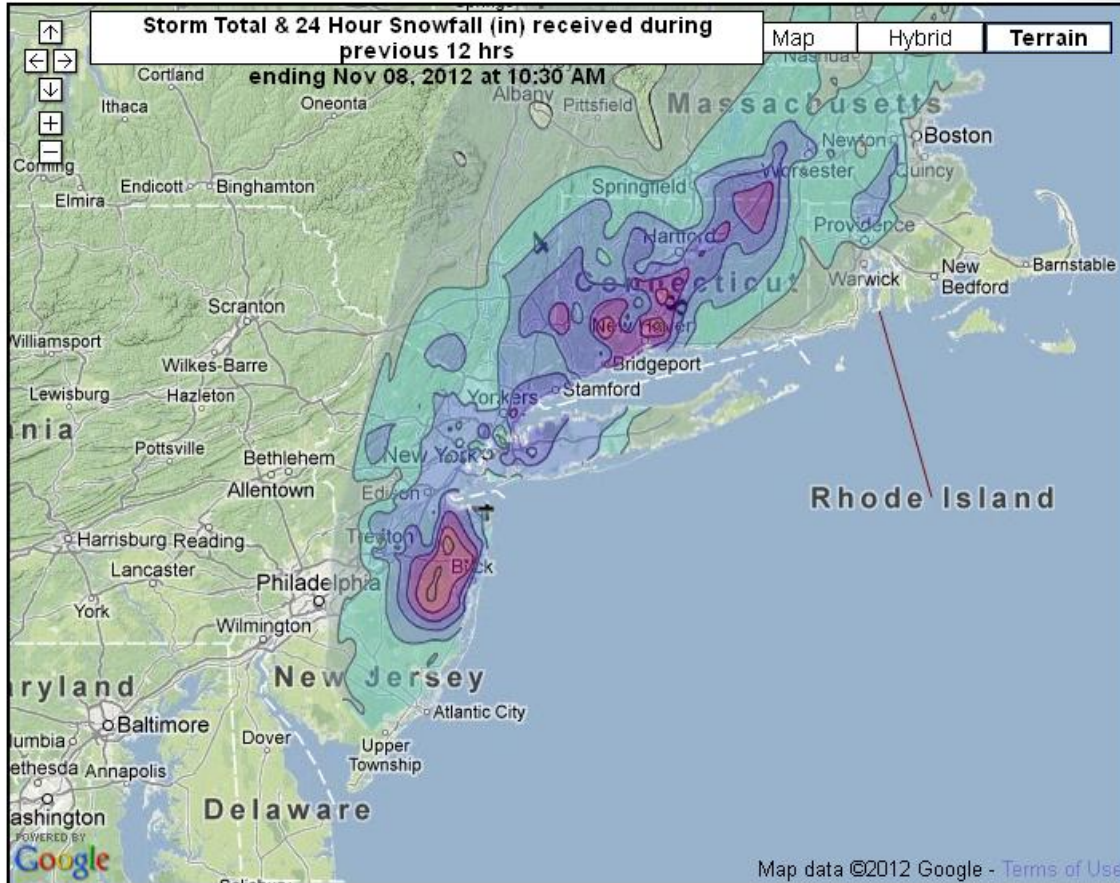
# Executive Summary

- A strong coastal nor'easter affected the region on November 7<sup>th</sup> & 8<sup>th</sup>.
- Snowfall was considerably worse than forecast for portions of northern & central NJ; less snow than forecast fell elsewhere.
- Minor to locally moderate coastal flooding occurred. Waves heights did occur as forecast, resulting in minor to locally moderate beach erosion.
- Winds were not as strong as forecast with maximum winds gusts in the 40 to 45 mph range.
- This is the final briefing package for this event. The following slides provide some summary information for the event.
- You can always get the latest weather forecast & warning information at <http://www.erh.noaa.gov/phi/>



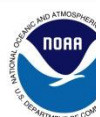
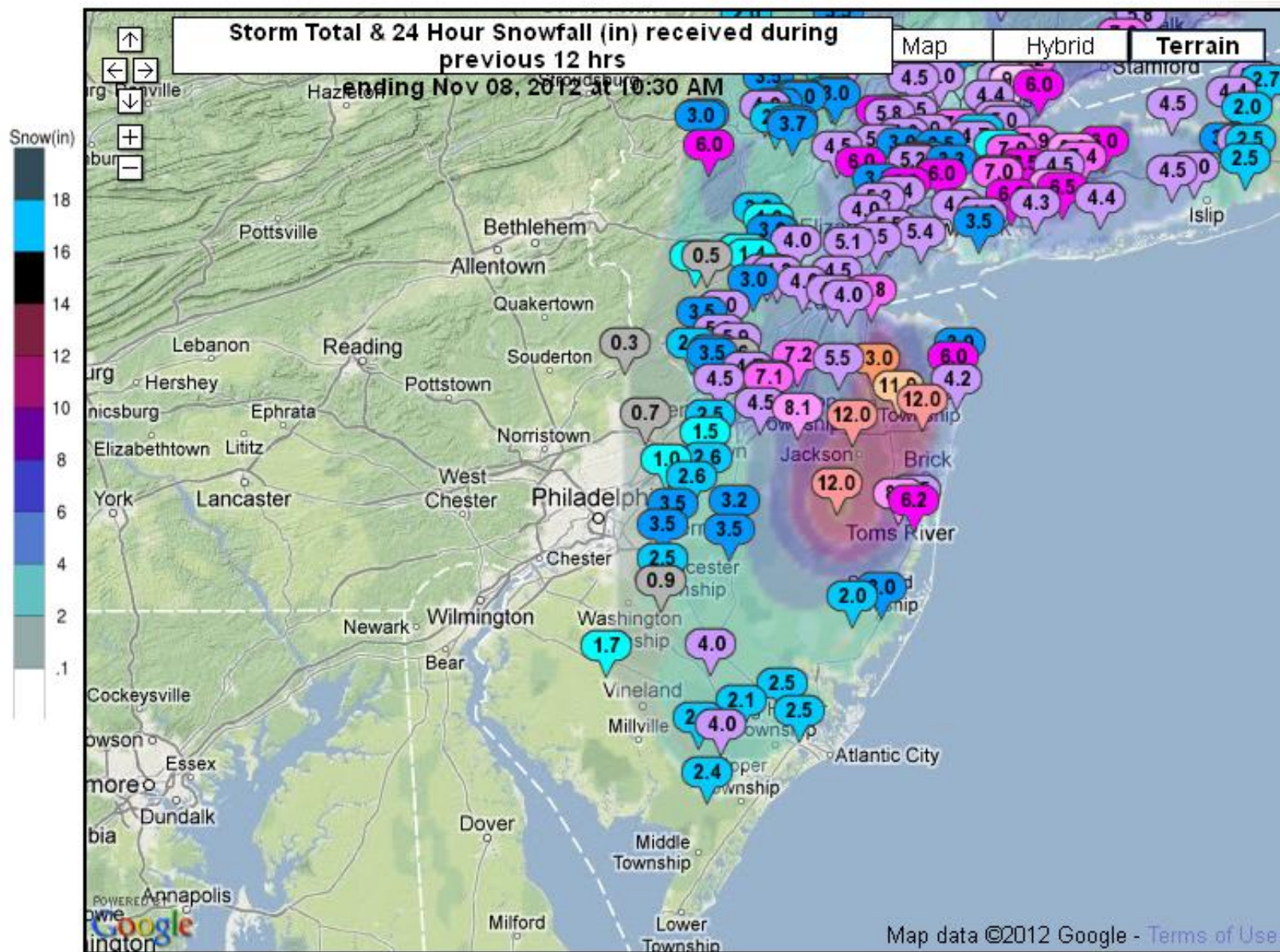
# Regional snowfall total map

National Weather Service - Eastern Region Hydrometeorological Event Display

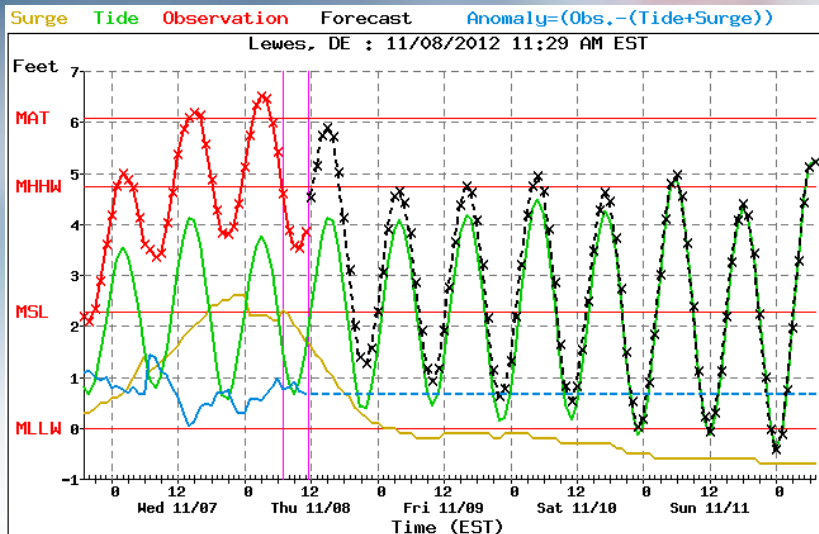
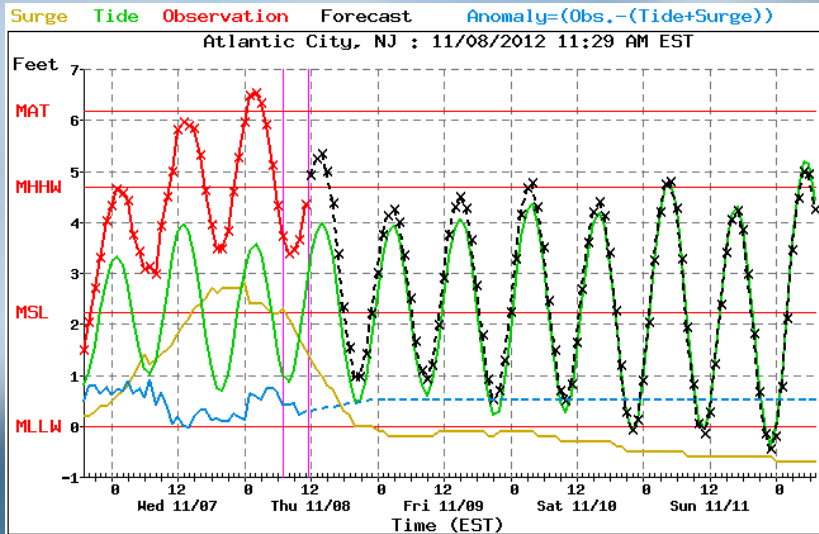


- Snowfall was heavier in portions of New Jersey because storm tracked a little further to the east.
- This allowed cold air to shift further east also, changing rain to snow.
- Storm was also able to tap more Atlantic moisture closer to the coast, resulting in some of the higher snowfall totals.

# National Weather Service - Eastern Region Hydrometeorological Event Display

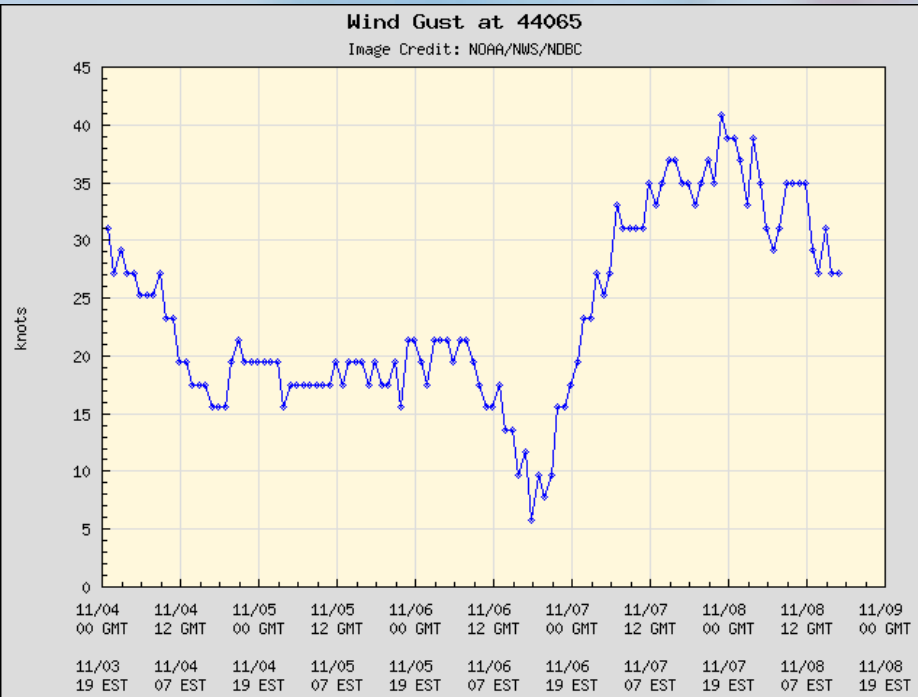


# Coastal flooding threat



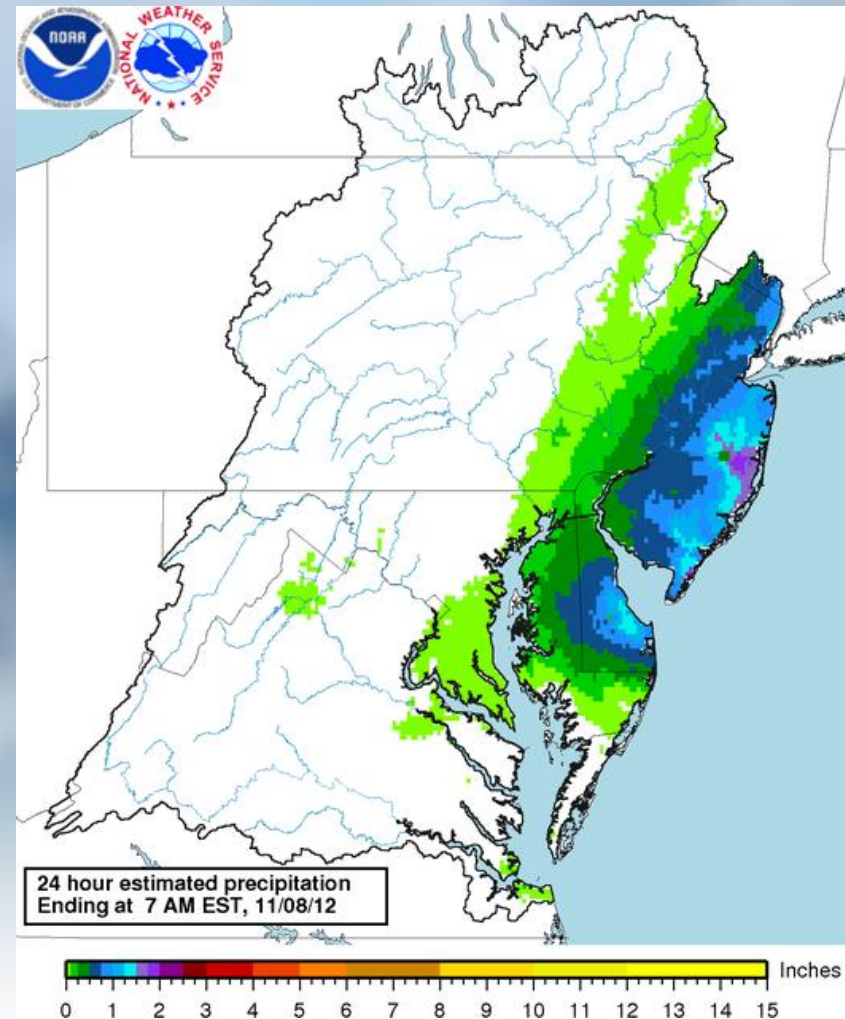
- Coastal flooding was generally in the minor category at the time of high tide along the Atlantic coast of New Jersey & Delaware, as well as on the Delaware Bay.
- Waves in surf zone along the Atlantic Coast did reach 7 to 10 feet. Minor to locally moderate beach erosion occurred.

# Winds



- Wind gusts were not as strong as forecast. Wind gusts were strongest closest to the coast and were generally in the 35 to 45 mph range. Graphic on left is wind gusts from buoy 44065 – 15 miles east of Monmouth County NJ
- Other areas were harder hit. The strongest winds tended to stay on the north side of the nor'easter. Long Island NY had wind gusts over 55 mph and portions of SE New England had wind gusts over 65 mph.

# Precipitation



- Observed precipitation amounts ranged from a trace in far western portions of our forecast area to over 1.5 inches near the Atlantic Coast of NJ.
- This total is the combination of rainfall, as well as the water equivalent of melting the snow that fell.
- These total precipitation amounts were very close to what was forecast. Areas that were hard hit with snowfall had more of the precipitation fall as snow instead of rain.



# 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](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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