

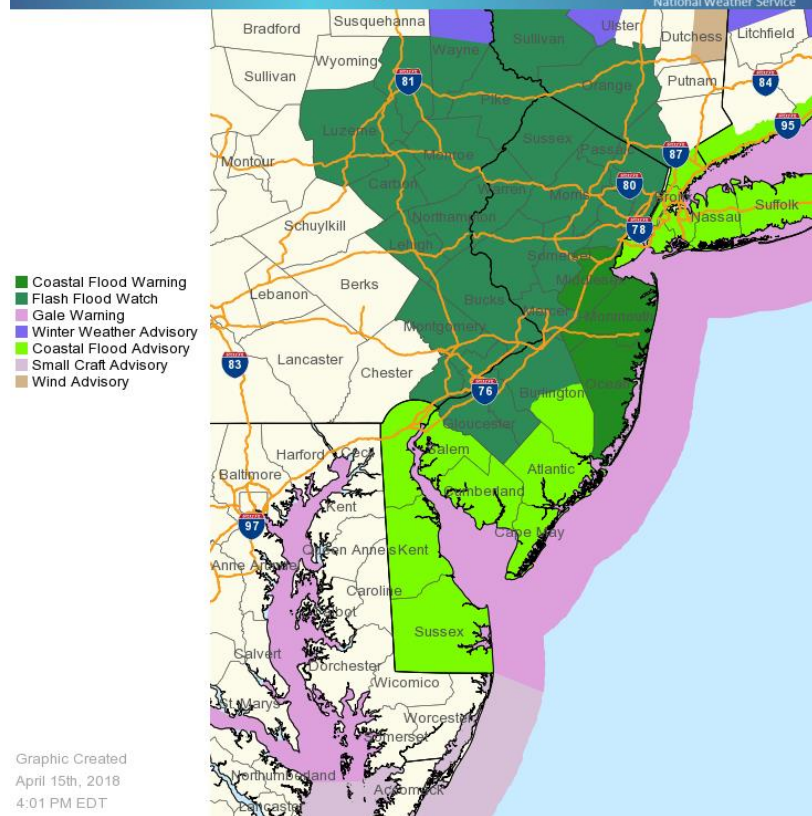
Thunderstorms and Coastal Flooding Expected

Decision Support Briefing #2
As of: 5 PM Sunday, April 15, 2018





What Has Changed?

- ✓ Coastal Flood Warning now in effect for northern NJ.
- ✓ Flash Flood Watch now in effect for most of NJ and eastern PA.

Current Watches, Warnings, and Advisories



Main Points

Hazard	Impacts	Location	Timing
<p>Strong winds</p> 	<p>Strong, damaging winds are possible with the strongest thunderstorms leading to tree and powerline damage.</p>	<p>Possible across DE, NJ, NE MD, and SE PA. The highest risk is in Delmarva</p>	<p>This will be possible with the strongest thunderstorms expected late tonight into Monday morning (currently forecast between 3 AM and 12 PM)</p>
<p>Heavy Rain</p> 	<p>Heavy rain could lead to flooding, primarily in poor drainage areas.</p>	<p>Possible across the region, though urban areas will be more susceptible.</p>	<p>Possible with any thunderstorms late tonight into Monday.</p>
<p>Coastal Flooding</p> 	<p>Minor to moderate coastal flooding is expected, leading to roadway flooding and flooding of low lying areas along the coast and back bays.</p>	<p>Locations along the shores and back bays of the Atlantic coast and the Delaware Bay</p>	<p>High tide cycles tonight and Monday morning.</p>
<p>Marine Hazards</p> 	<p>Prolonged period of gale force gusts and very high seas will make marine navigation hazardous.</p>	<p>Coastal waters of DE and NJ and the Delaware Bay.</p>	<p>Through Monday.</p>

Summary of Greatest Impacts



Winds: NE MD and DE

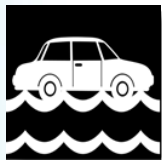
None

Limited

Elevated

Significant

Extreme



Heavy Rain: SE PA, NJ, DE, NE MD

None

Limited

Elevated

Significant

Extreme



Coastal Flooding: Northern NJ Shore

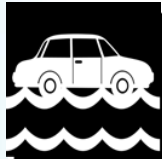
None

Limited

Elevated

Significant

Extreme



Coastal Flooding: DE Bay, DE Beaches, S NJ shore

None

Limited

Elevated

Significant

Extreme



Marine Hazards: coastal waters & DE Bay

None

Limited

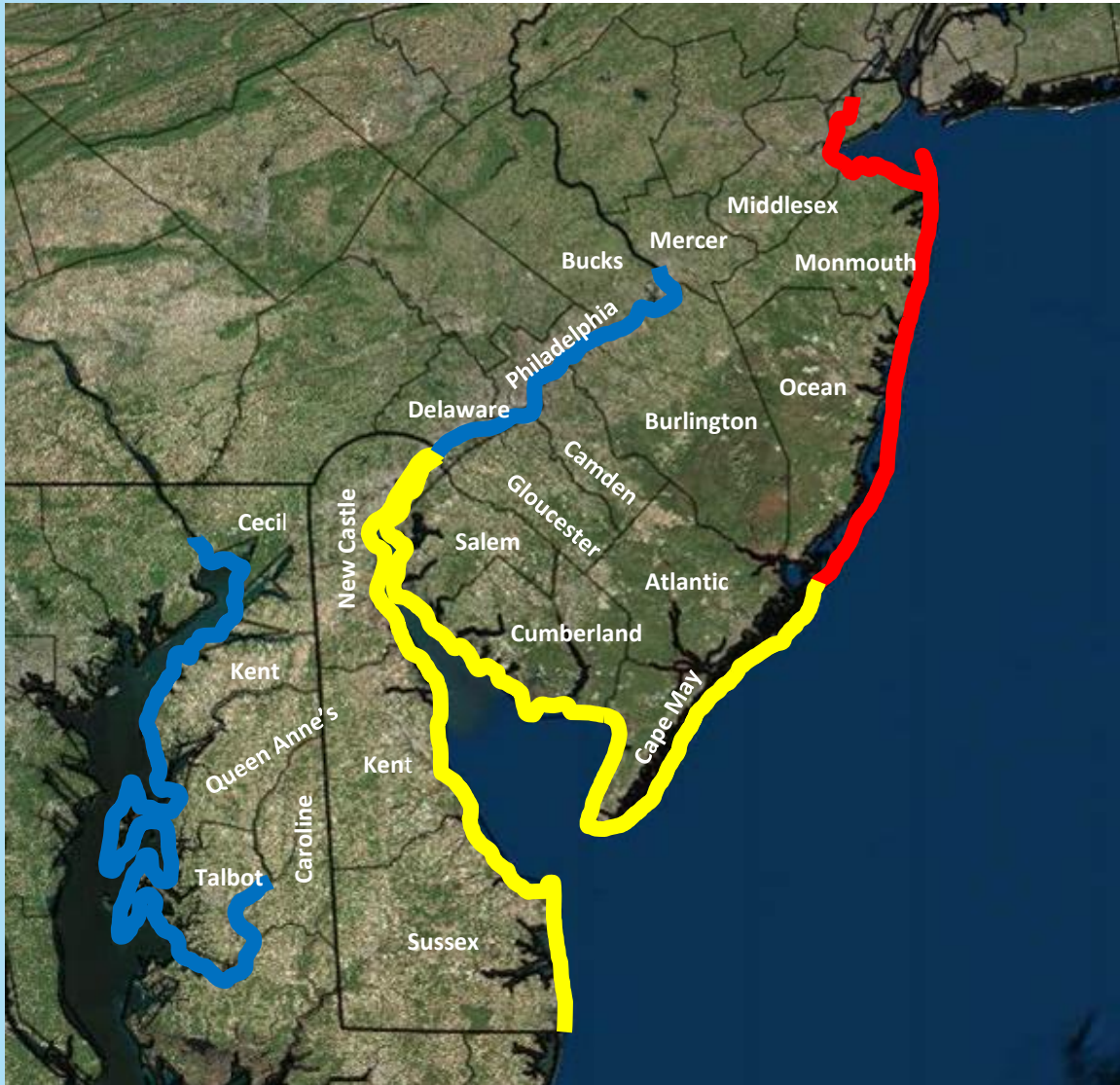
Elevated

Significant

Extreme



Coastal Flooding



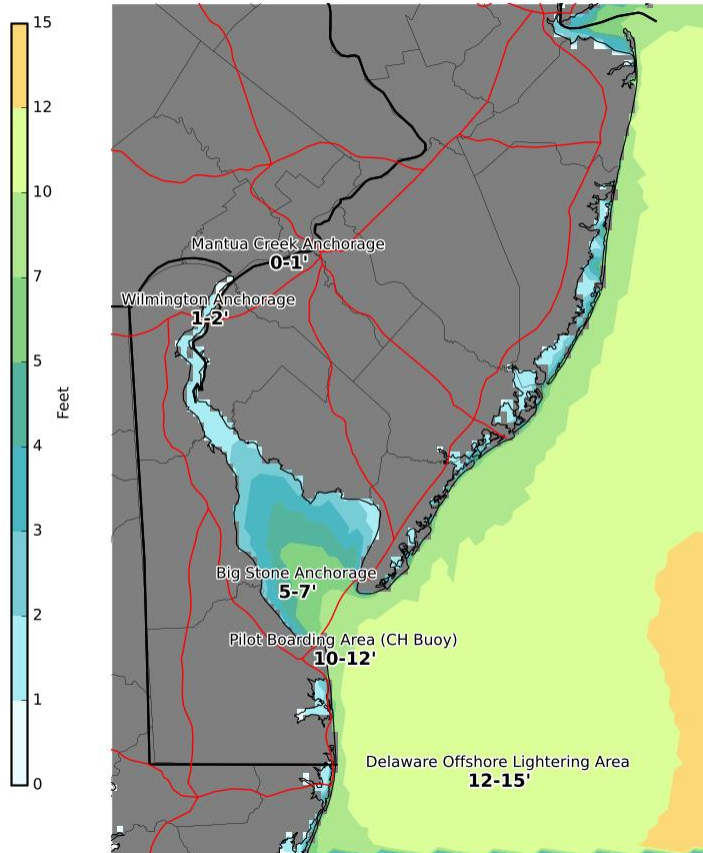
- ✓ Sunday night and Monday Morning High Tides
- ✓ This graphic shows the expected degree of flooding on the oceanfront, bays, and estuaries along the highlighted areas.
- ✓ Coastal Flooding is expected to subside once an offshore flow develops later on Monday.



Marine Hazards

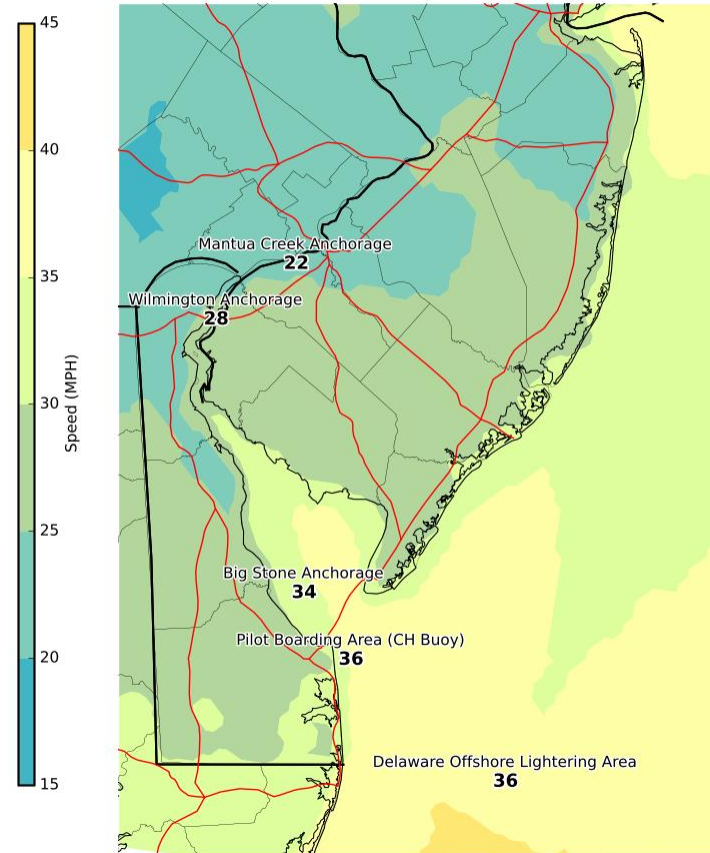
Maximum Significant Wave Heights from 12 to 24 hours

Valid: 04/16/2018 03:00 AM - 04/16/2018 03:00 PM EDT



Maximum Wind Gusts (mph) from 12 to 24 hours

Valid: 04/16/2018 03:00 AM - 04/16/2018 03:00 PM EDT



Event Summary

- ✓ Strong to severe thunderstorms are possible late tonight into Monday morning. There is some uncertainty with the timing of the strongest storms, but currently this is forecast to occur between 3 AM and Noon Monday.
- ✓ Damaging winds will be possible with the strongest storms which could lead to tree and power line damage.
- ✓ Heavy rain leading to flooding, primarily in poor drainage and urban areas is also possible with the storms.
- ✓ Minor to moderate coastal flooding is expected tonight into Monday morning. The greatest threat for moderate flooding is on the northern New Jersey Coast.