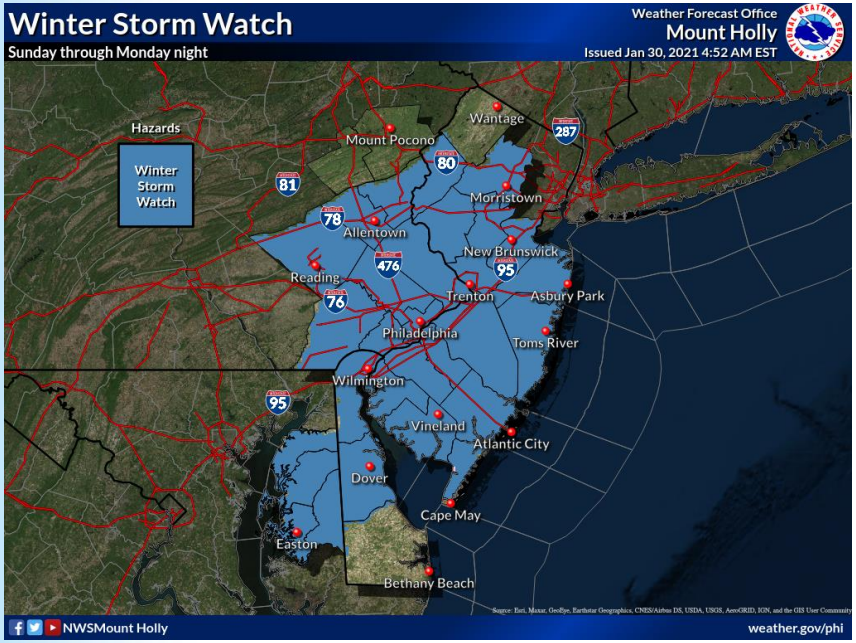
Nor'easter Sunday through Tuesday

Decision Support Briefing #2
As of: 6 AM, 1/30/2021



What Has Changed?

- ✓ *Winter Storm Watch expanded to include most of New Jersey and the Lehigh Valley.*
- ✓ *Snow amounts increased.*

Main Points

Hazard	Impacts	Location	Timing
Snow	Potentially heavy snow with significant accumulations. A wintry mix could occur for a time near and SE of I-95 on Monday.	I-95 PA / I-195 NJ corridor north/west to near I-78	Mainly Sunday afternoon through early Tuesday.
Wintry Precip	A mix of snow, sleet, and rain is likely with potential for significant impacts to travel.	South of I-95 PA / I-195 NJ to coast and through Delmarva	Mainly Sunday afternoon through early Tuesday.
Coastal Flooding	Moderate flooding is possible around the time of high tide Monday, Monday night, and Tuesday morning.	Atlantic coastline and lower Delaware Bay.	Around the time of high tide Monday, Monday night, and Tuesday morning
Marine	Gale to storm force northeasterly winds with seas building to near 15 feet for the Atlantic waters up to 5 feet on Delaware Bay.	All of the Atlantic waters of DE and NJ along with the Delaware Bay.	Sunday night through early Tuesday.
Winds	Gusty northeasterly winds of 25-35 mph, with gusts up to 50+ mph along the Atlantic coastline.	Coastal locations.	Monday through Monday night.

Summary of Greatest Impacts - Wednesday

Snow: I-95 / I-195 corridor north/west to I-78

None	Limited	Elevated	Significant	Extreme

Wintry Precipitation: South of I-95 PA / I-195 NJ

None	Limited	Elevated	Significant	Extreme

Wind: Coastal Locations

None	Limited	Elevated	Significant	Extreme

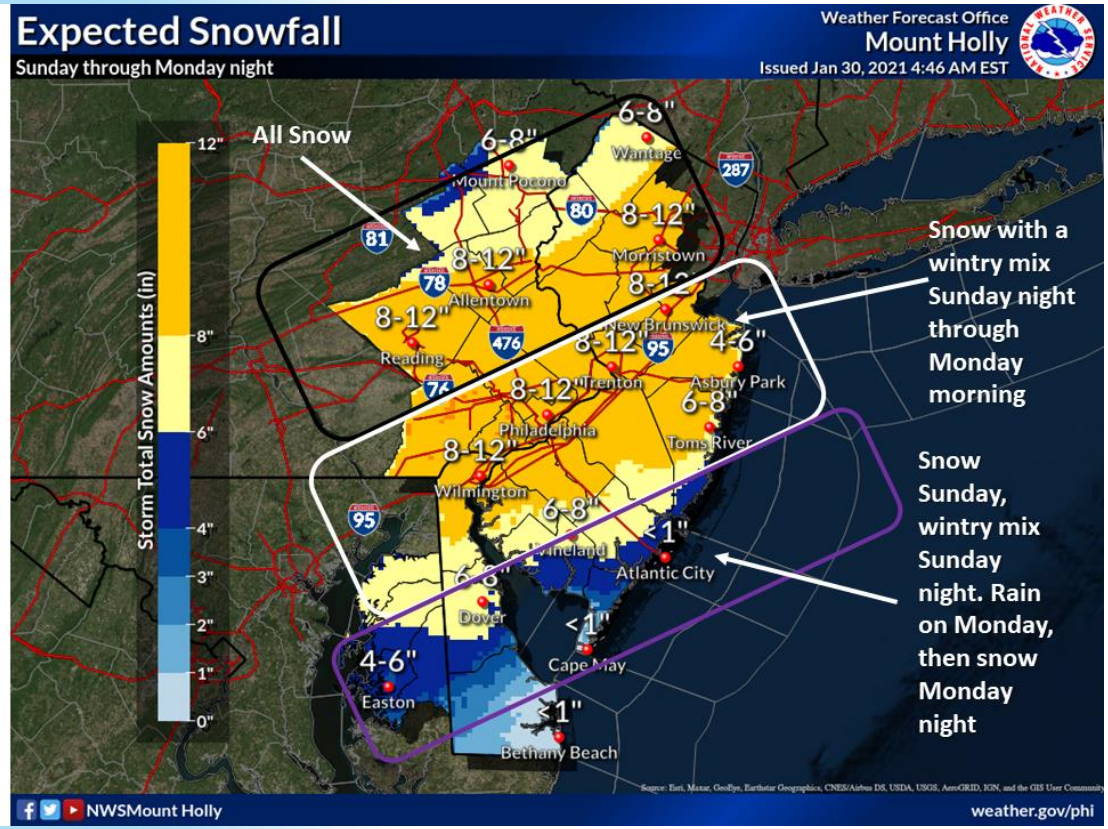
Coastal Flooding: Tidal Coastal Areas

None	Limited	Elevated	Significant	Extreme

Marine: Atlantic Waters including the DE Bay

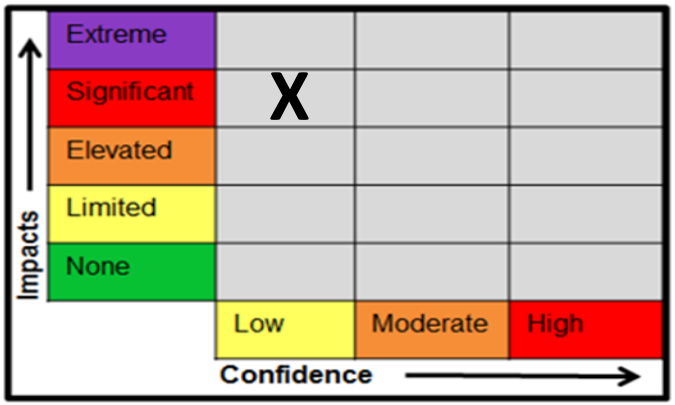
None	Limited	Elevated	Significant	Extreme

Expected Snowfall Accumulation



Uncertainty in Snowfall Forecast:

- ✓ Confidence is still low regarding where the heaviest snow amounts will fall.



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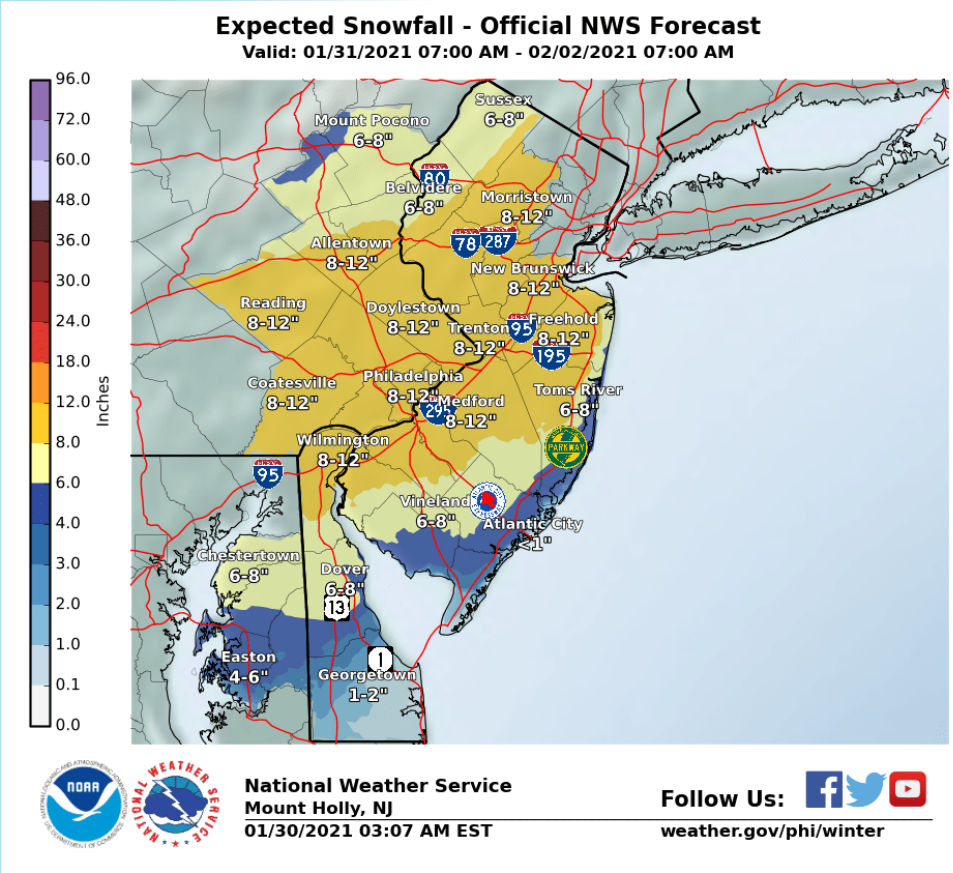

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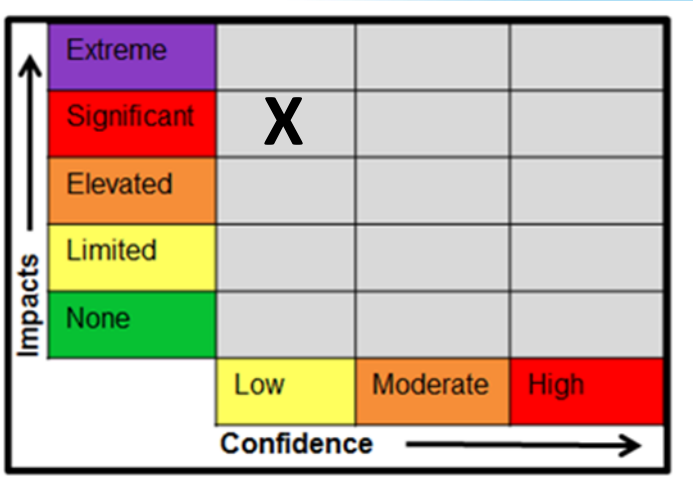
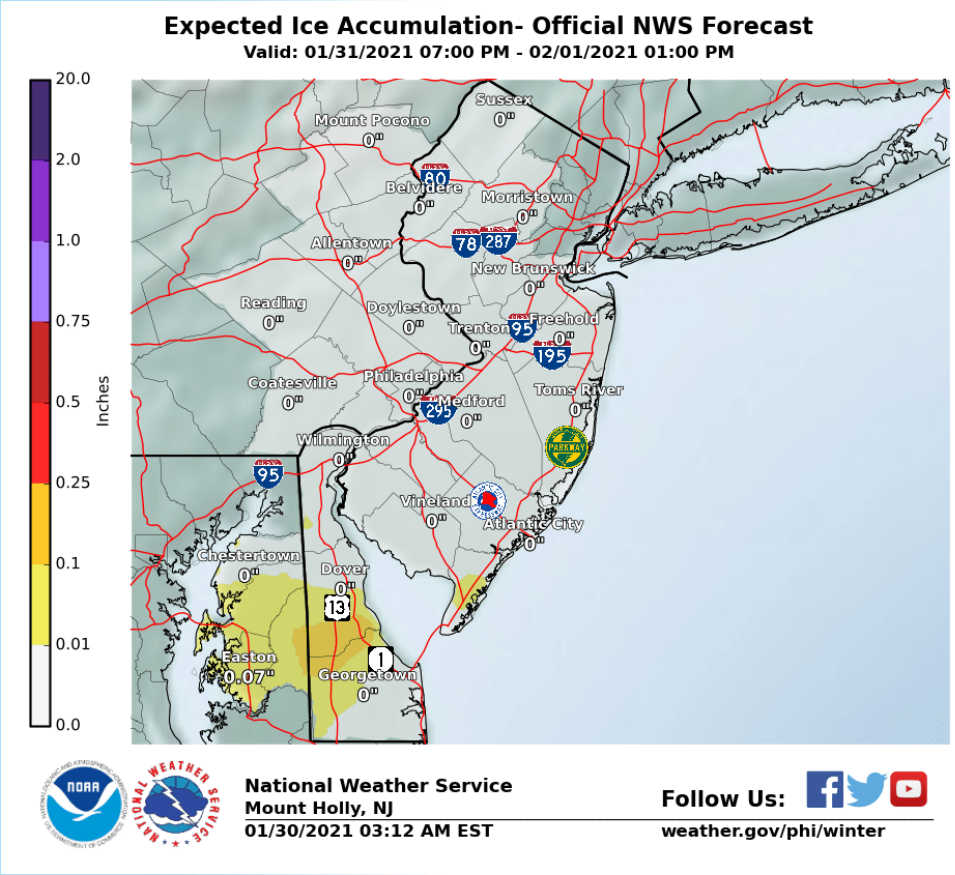
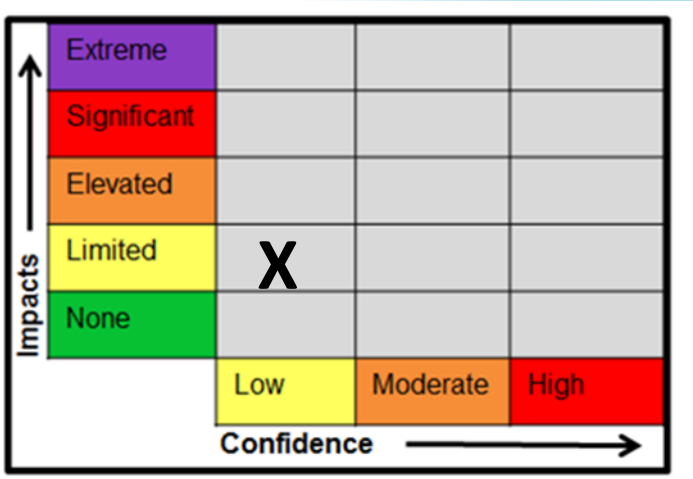


Expected Ice Accumulation

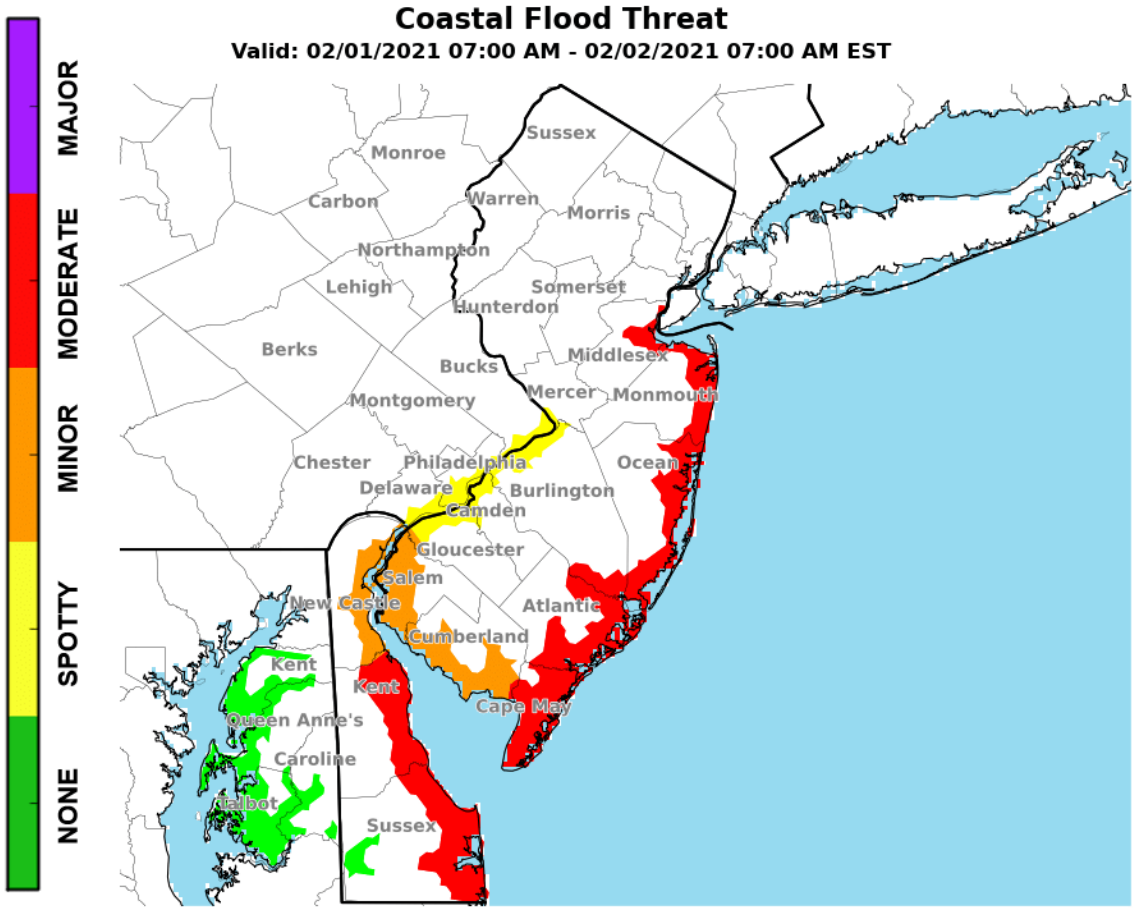


Uncertainty in Ice Forecast:

✓ Confidence is low



Coastal Flooding Monday through Tuesday morning



Tidal flooding potential Monday and Monday night

- ✓ This graphic shows the potential magnitude of flooding on the oceanfront, bays, and estuaries along the highlighted areas for Monday's high tides.
- ✓ There could be additional coastal flooding with Tuesday's high tide.

Changes From Previous Briefing

- ✓ The Storm Total Snow slide was updated to include snowfall from Sunday through Monday night. Snow amounts during this time will range from 8-12 inches for most of New Jersey and southeast Pennsylvania. Between 6-8 inches will fall in the southern Poconos and far northwest New Jersey, and in southern New Jersey and northern portions of the eastern shores of Maryland and Delaware. Less amounts will fall along the coasts. A period of wintry mix likely for portions of southern New Jersey and the Delaware Valley late Sunday night and Monday morning, and a period of rain is likely for extreme southern New Jersey and Delmarva on Monday.
- ✓ A period of freezing rain may develop in Delmarva late Sunday night and Monday morning with icing possible.
- ✓ The Winter Storm Watch was expanded to include the Lehigh Valley and most of New Jersey.
- ✓ A Storm Watch is now in effect for the New Jersey Atlantic coastal waters and a Gale Watch is now in effect for the Delaware Atlantic coastal waters and Delaware Bay for Sunday night through Monday night.

Event Summary

- ✓ A prolonged nor'easter will impact the region Sunday afternoon into Tuesday morning.
  - ✓ Heavy snow, mixed precipitation, and rain will affect the region. Precipitation will begin as snow as it arrives SW to NE Sunday afternoon into the evening. However overnight Sunday night into Monday morning a mix with and change to sleet and rain is likely near the coast and possibly as far as near the I-95 corridor for a brief time. Precipitation changes back to snow by late Monday before winding down early Tuesday.
  - ✓ Snow amounts could be significant with the heaviest amounts currently favored south of I-78 to near and just south of I-95 where 6 to upwards of 12 inches will be possible. However, it needs to be stressed that the exact storm track remains uncertain and a shift in this track could bring the heavier snow amounts either farther north or farther south towards the coast with less mixing occurring. The heaviest snow is likely during the day Monday when rates could exceed 1 inch per hour at times in the heaviest bands.
  - ✓ Strong winds will develop near the coast and over the marine zones with gusts potentially reaching 40 to 50+ mph. This could result in power outages and create significant blowing and drifting snow at times. Inland, gusts could reach as high as 35 to 45 mph creating significantly reduced visibility and very hazardous travel in blowing and drifting snow.
  - ✓ Coastal flooding is likely and could reach moderate levels as early as Monday morning along the Atlantic coast and Delaware Bay.

Contact and Next Briefing Information

Next Briefing
When: *6 pm 1/30/2021*

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Web:
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Facebook:
NWSMountHolly

Phone (public):
(609) 261-6600

Twitter:
@NWS_MountHolly

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