

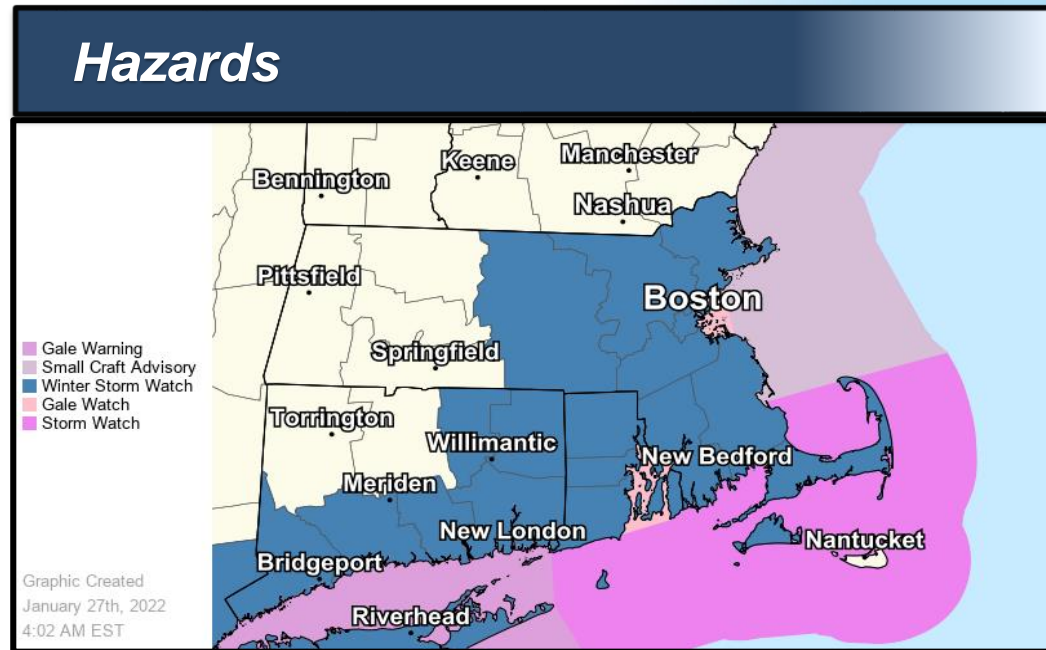


Potential Winter Storm Friday Night Through Saturday Night

National Weather Service
Decision Support Briefing # 3
Thursday, January 27, 2022 4:16 AM

What Has Changed?

- ✓ Winter Storm Watch expanded west into central MA, CT





Winter Weather Hazards



Marine / Coastal Hazards







Wind Related Hazards



Flooding Hazards



Main Points

Hazard	Impacts	Location	Timing
Damaging Winds 	Possible power outages	Greatest risk across eastern MA and RI	Saturday, especially afternoon and evening
Coastal Flooding 	Minor coastal flooding. Localized moderate coastal flooding possible	Greatest risk is along the eastern MA coast, and north-facing shores, like Nantucket Harbor.	Saturday, especially during the evening high tide
Snow 	Visibility possibly lowering to less than a quarter mile at times	Greatest risk across eastern MA into RI and portions of eastern CT	Late Friday night through Saturday night
Marine 	Rough seas, with winds up to Storm Force possible	All areas, but greatest risk across the eastern offshore waters	Late Friday night through Saturday Night

Summary of Greatest Impacts



Winds: All areas, with greatest risk RI and southeast MA

None	Limited	Elevated	Significant	Extreme
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Coastal Flooding: Most likely along the east coast of MA

None	Limited	Elevated	Significant	Extreme
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Snow: All areas, with greatest risk eastern MA and RI

None	Limited	Elevated	Significant	Extreme
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Marine: All coastal waters

None	Limited	Elevated	Significant	Extreme
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Potential Winter Storm: late Friday Night – Saturday night

High confidence in a coastal storm near southern New England

Lower confidence in the exact track

- Does it track near the coast or farther offshore?

Potential impacts:

- Significant snowfall, blowing and drifting
- Minor to moderate coastal flooding
- Strong northeast winds to 50 MPH to 60+ MPH near Cape Cod
- Possible power outages
- Dangerous conditions for mariners - seas 25-30 feet offshore

Potential Winter Storm: Late Friday Night – Saturday night

High confidence in a strong coastal storm, lower confidence in exact track

Track Closer to Coast:

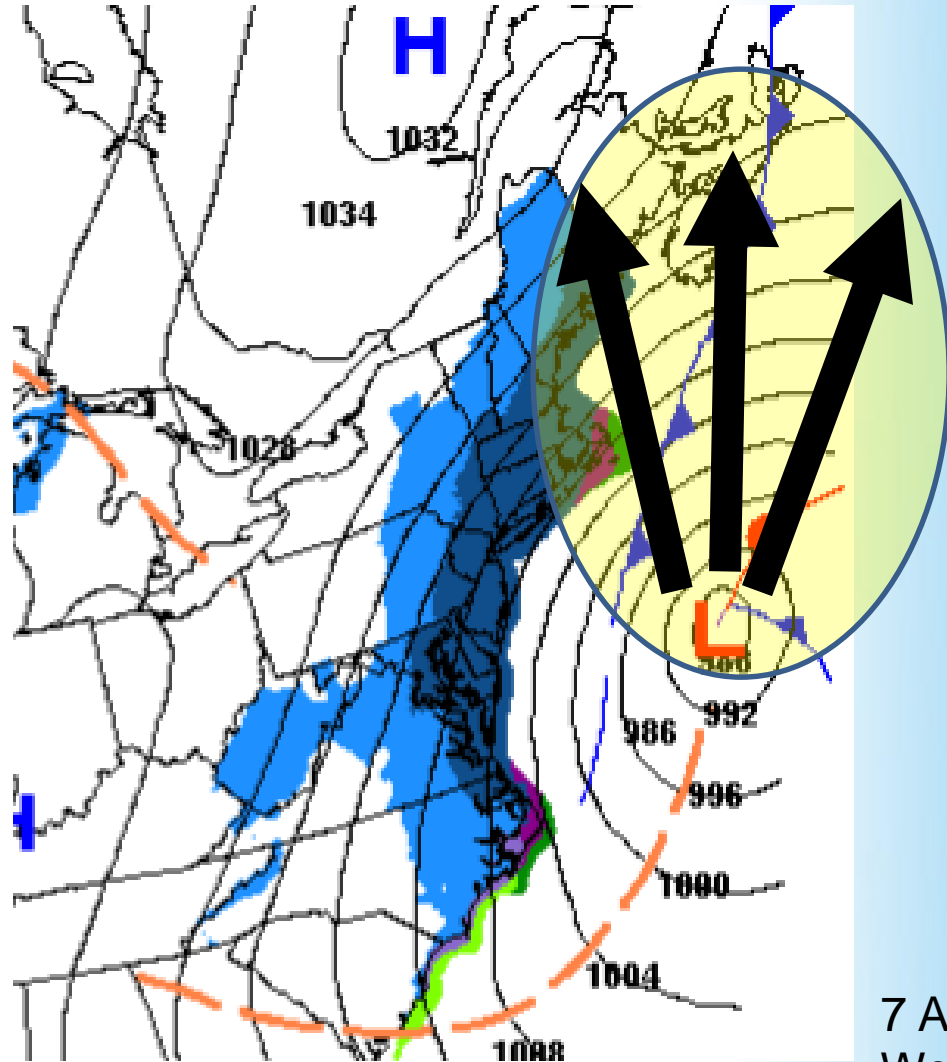
Heaviest snow inland, rain/snow issues near coast

Offshore Track:

Heaviest snow near coast, less snow inland

Timing:

Late Friday night – Saturday night

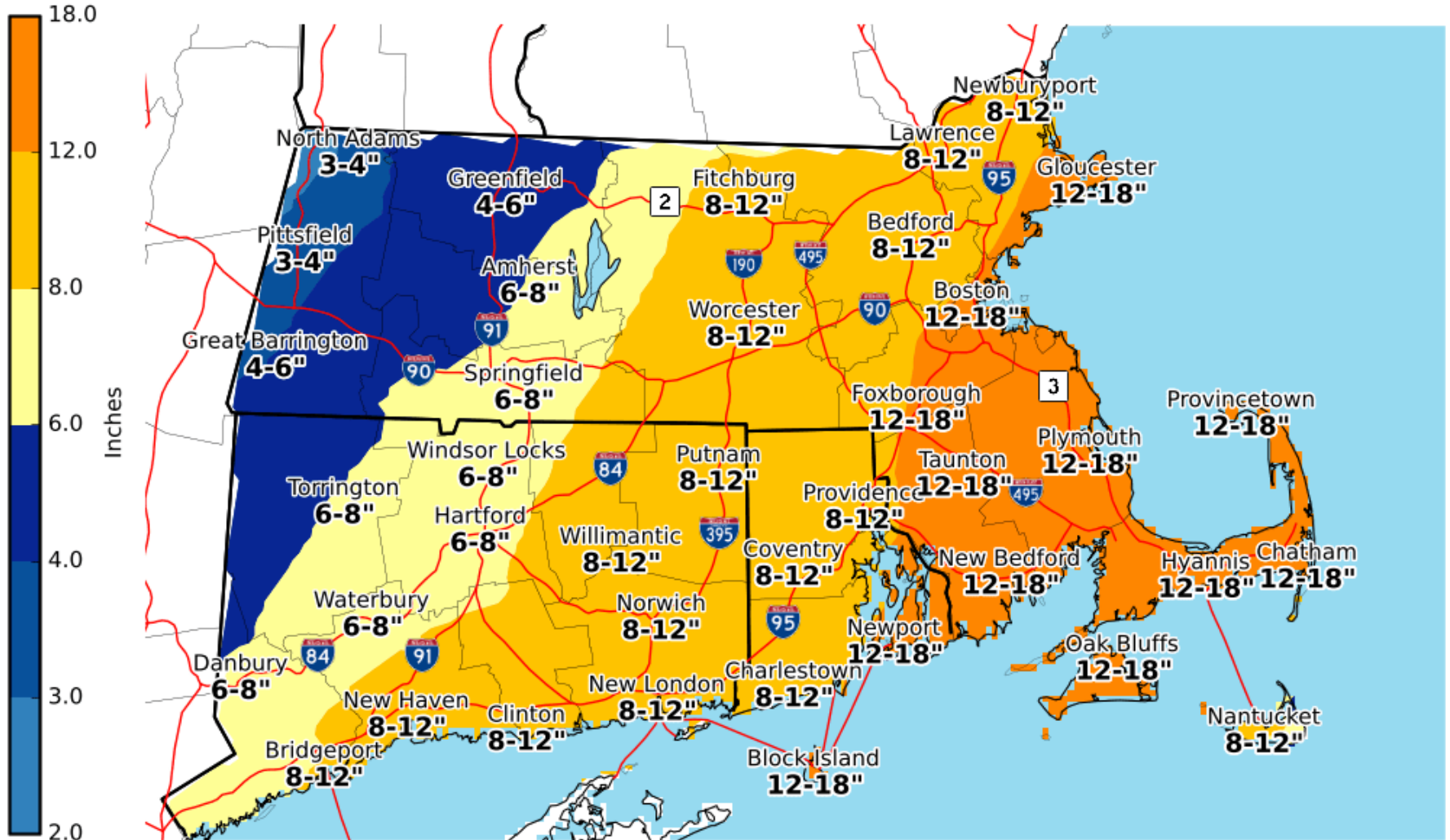


7 AM Saturday
Weather Map

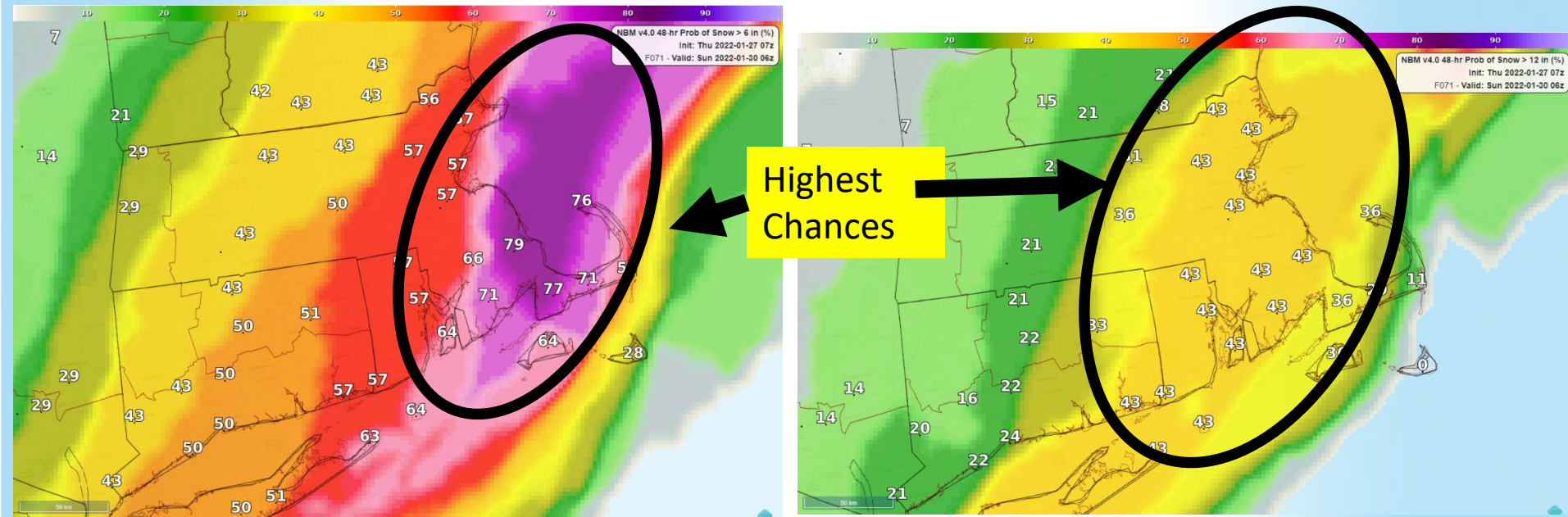


Forecast Storm Total Snowfall

Valid: 01/28/2022 07:00 PM - 01/29/2022 07:00 PM EST



Potential Winter Storm: Late Friday Night – Saturday night

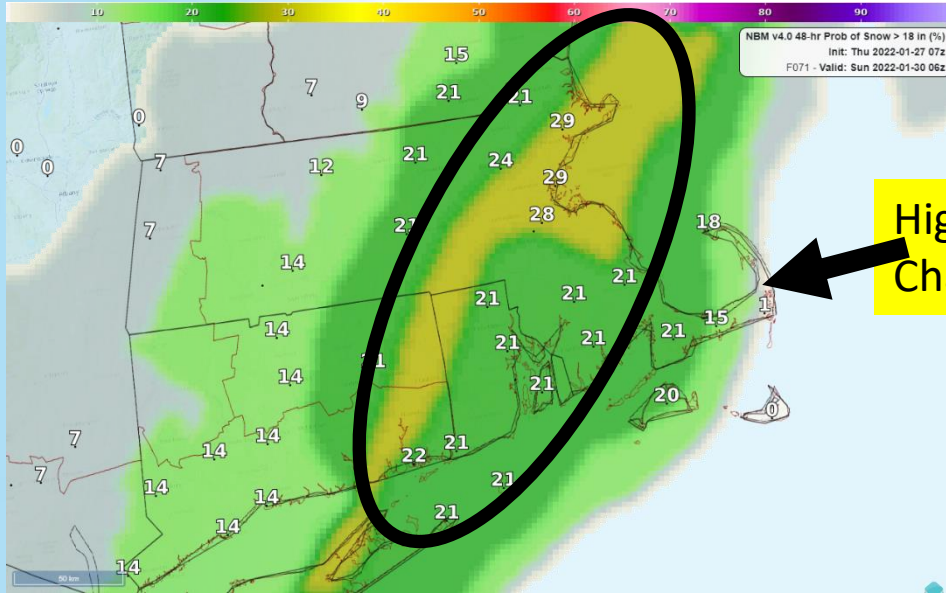


Chance of 6" or more of snow

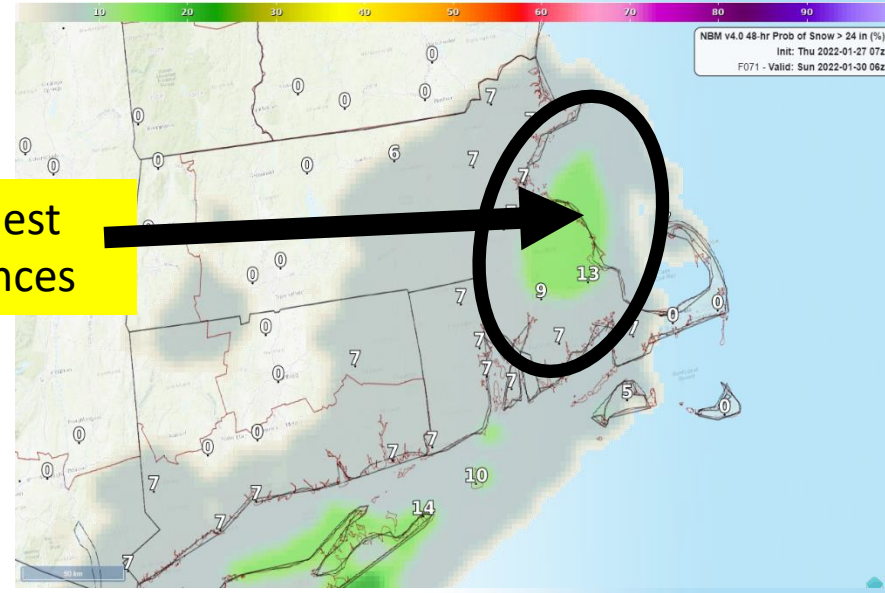
Chance of 12" or more of snow

Timing: Late Friday night into Saturday night

Potential Winter Storm: Late Friday Night – Saturday night



Chance of 18" or more of snow

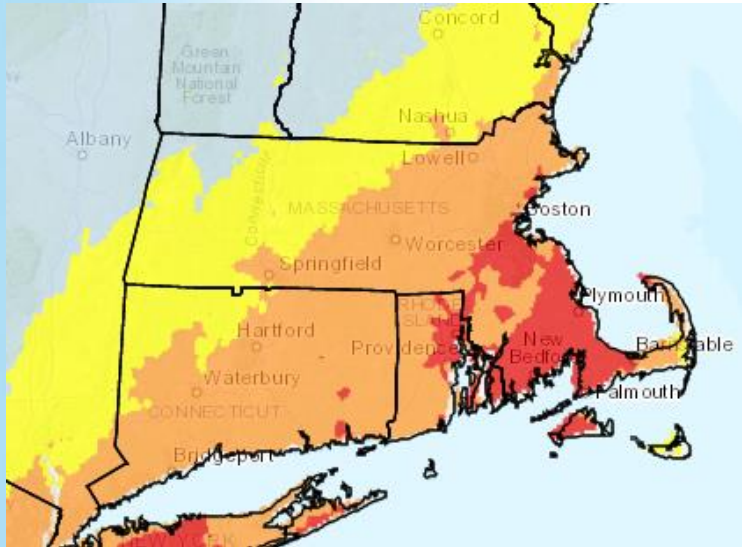


Chance of 24" or more of snow

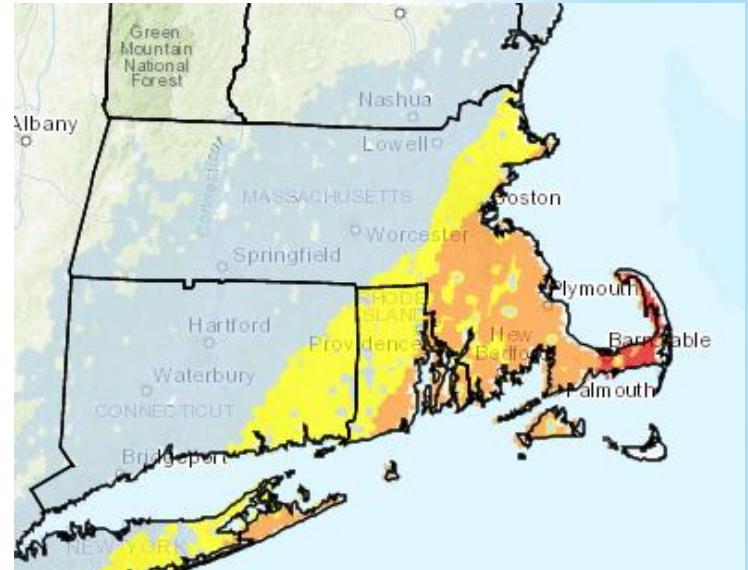
Highest Chances

Timing: Late Friday night into Saturday night

Potential Winter Storm: Late Friday Night – Saturday night



Snow Amount Impact



Snow Load Impact

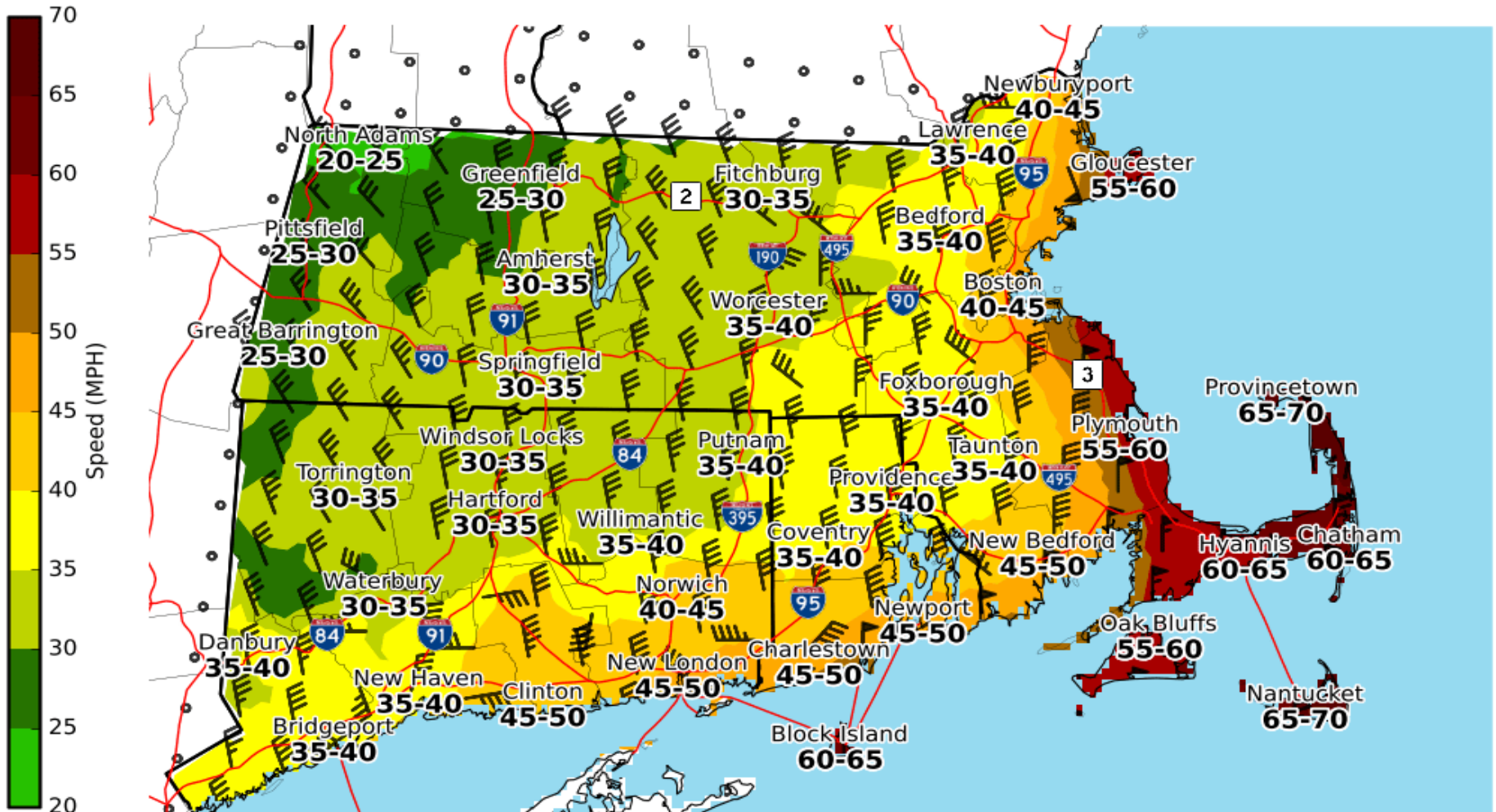
Potential Winter Storm Impacts	
	<p>No Impacts Impacts not expected.</p>
	<p>Limited Impacts Rarely a direct threat to life and property. Typically results in little inconveniences.</p>
	<p>Minor Impacts Rarely a direct threat to life and property. Typically results in an inconvenience to daily life.</p>
	<p>Moderate Impacts Often threatening to life and property, some damage unavoidable. Typically results in disruptions to daily life.</p>
	<p>Major Impacts Extensive property damage likely, life saving actions needed. Will likely result in major disruptions to daily life.</p>
	<p>Extreme Impacts Extensive and widespread severe property damage, life saving actions will be needed. Results in extreme disruptions to daily life.</p>



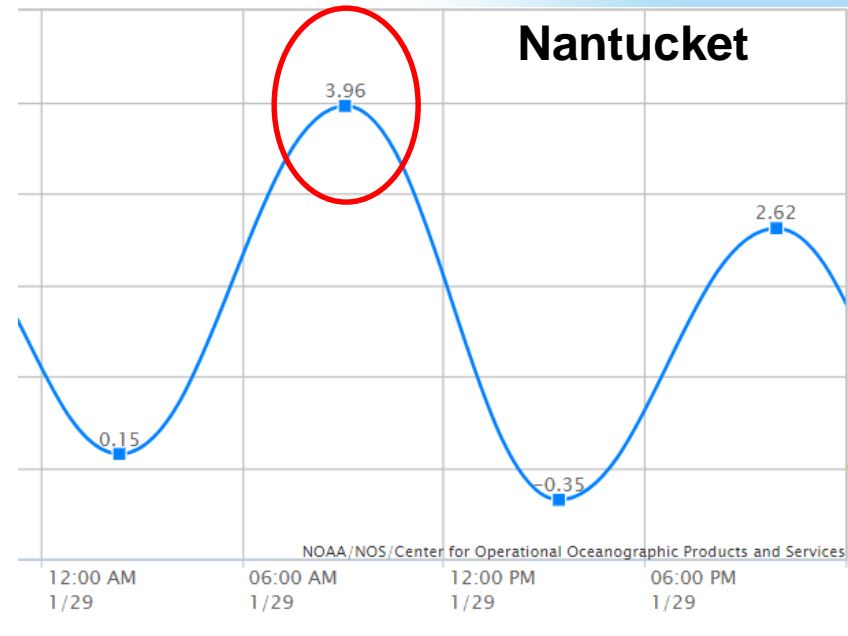
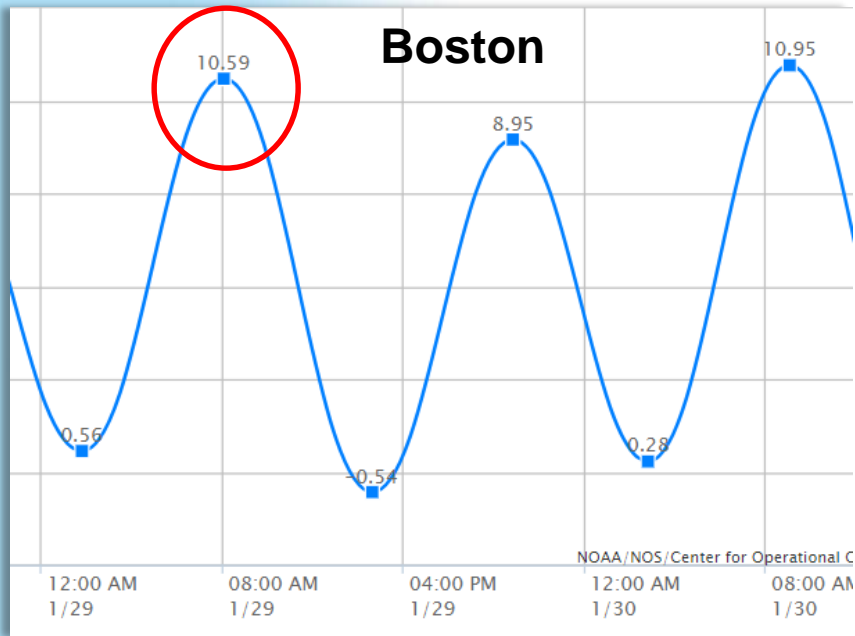
Forecast Maximum Wind Gusts

Max Wind Gusts (MPH)

Valid: 01/28/2022 07:00 PM - 01/30/2022 01:00 AM EST



Minor to Moderate Coastal Flooding Sat AM: Eastern MA Coast



- Vulnerable shore roads temporarily impassable around high tide
- Less than 1 foot of inundation (above ground level)
- Minor beach erosion

Saturday AM high tide:

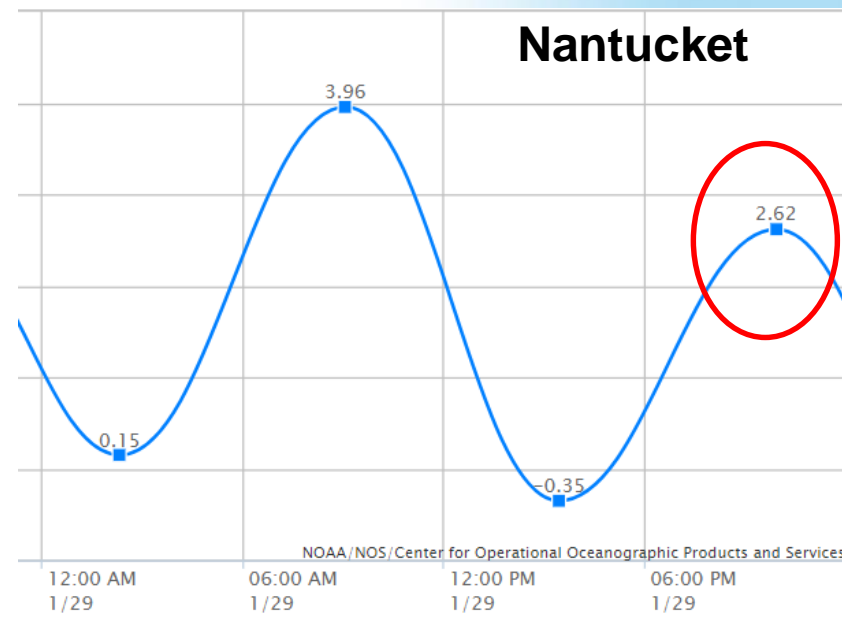
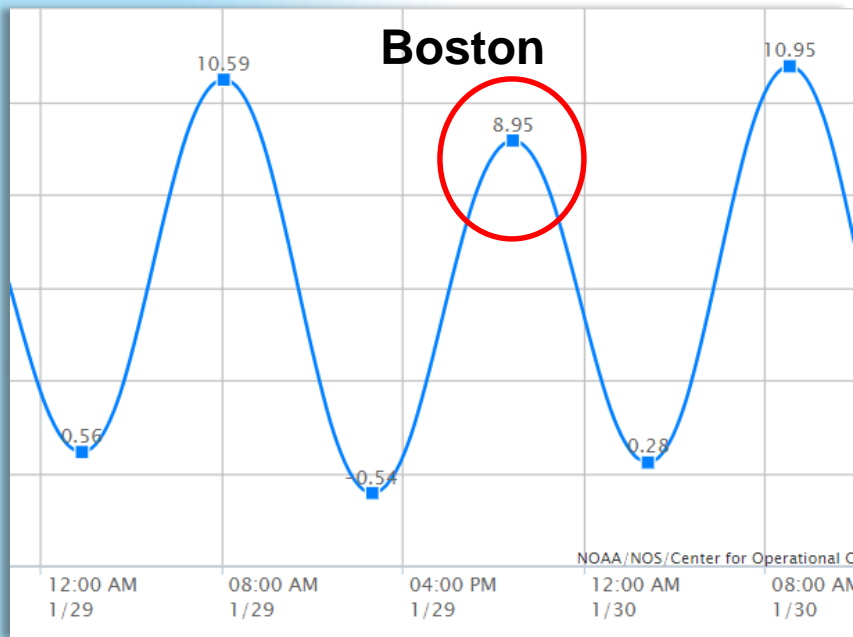
Minor Flooding Possible

Surge: 1-2 ft

Seas: 10-15 ft

Wind: NE 20-30 with gusts to 45 mph

Minor to Moderate Coastal Flooding Sat PM: Eastern MA Coast



- Vulnerable shore roads impassable around high tide, some debris on roads
- 1 to 2 feet of inundation possible, especially north- and east-facing coasts
- Significant beach erosion
- Residual minor flooding/splashover Sunday morning (Cape Cod Bay)

Saturday PM high tide:

Minor-Moderate Flooding Possible

Surge: 2-4 ft

Seas: 25-30 ft

Wind: NE 30-40 with gusts to 50-60 mph

Concerns for Mariners

Wind:

- Increasing NE winds late Friday night/Saturday
- Reach Gale force Saturday morning
- Peak 50-60 kt gusts Saturday afternoon/night
- Shift to NW Saturday afternoon, then fall below Gale early Sunday morning

Seas:

- Build steadily Saturday
- Peak 25-30 ft offshore Saturday afternoon/night, 5-10 ft on bays and sounds
- Lowest visibility in rain/snow Saturday

Localized rogue waves offshore could exceed 40 feet



Threat Event Summary

✓ **Confidence**: high confidence a storm will develop, low confidence on precise track

✓  Strong northeast winds to 50 MPH - maybe 60+ MPH (Saturday)



Minor to moderate coastal flooding (especially Saturday evening)



Significant snowfall (Late Friday night-Saturday night)



Dangerous conditions for mariners - seas 25-30 feet offshore (Saturday)

✓ **Where:** All of Southern New England (MA, RI and CT)

✓ **When:** Late Friday night through Saturday night



Contact and Next Briefing Information

Next Briefing

When: 6 PM, Thursday, January 27th

Method: via email



www.weather.gov/boston



Phone (public):
508-622-3250



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Disclaimer: The information contained within this briefing is time-sensitive, do not use after 6 PM, Thursday, January 27, 2022