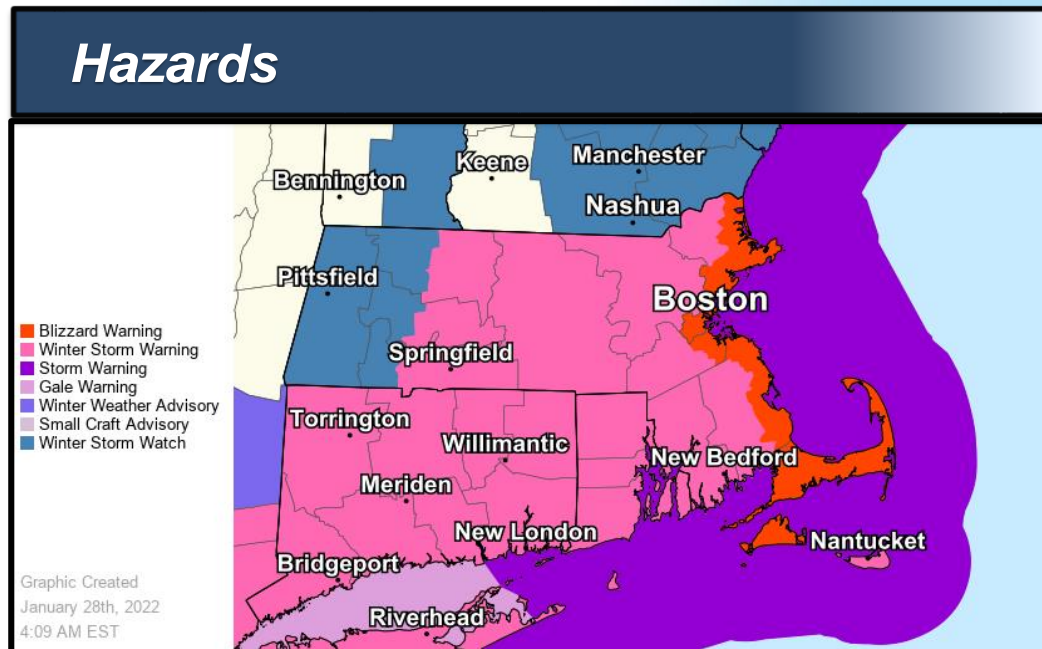


Winter Storm Friday Night Through Saturday Night

National Weather Service
Decision Support Briefing # 6
Friday, January 28, 2022 4:09 AM

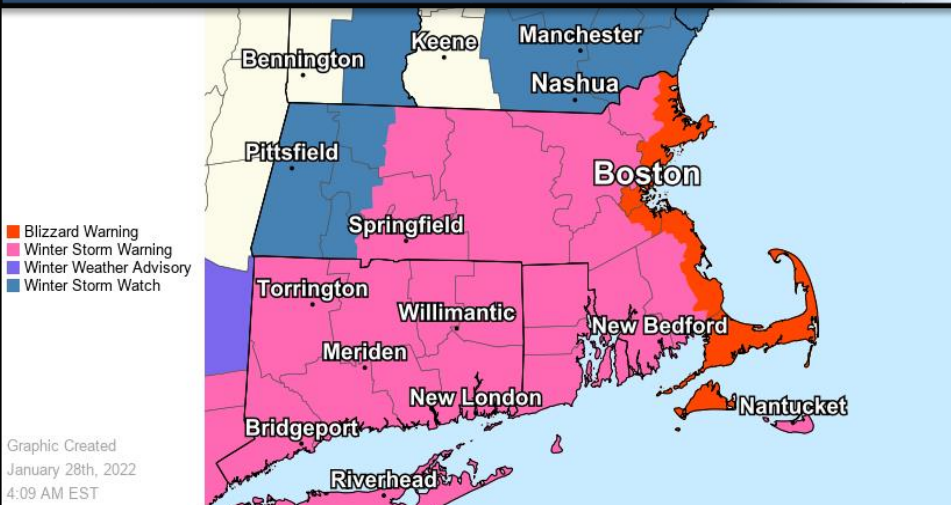
What Has Changed?

- ✓ Winter Storm Watch expanded to the Berkshires
- ✓ Upgrade to Winter Storm Warning for most of southern New England
- ✓ Upgrade to Blizzard Warning for east coastal MA and Martha's Vineyard





Winter Weather Hazards



Marine / Coastal Hazards







Wind Related Hazards



Flooding Hazards



Main Points

Hazard		Impacts	Location	Timing
Damaging Winds		Power outages likely	Greatest risk across eastern MA, particularly for Cape Cod and Islands	Saturday, especially afternoon and evening
Coastal Flooding		Minor coastal flooding. Pockets of moderate coastal flooding possible	Greatest risk is along the eastern MA coast, and north-facing shores, like Nantucket Harbor and Cape Cod from Sandwich to Dennis.	Saturday, especially during the evening high tide
Heavy Snow		Hazardous travel conditions with visibility less than one quarter mile at times	Greatest risk across eastern MA into RI	Saturday into Saturday evening
Marine		Rough seas and Storm Force winds	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



Coastal Flooding: Most likely along the east coast of MA



Snow: All areas, with greatest risk eastern MA and RI



Marine: All coastal waters



Winter Storm: late Friday Night – Saturday night

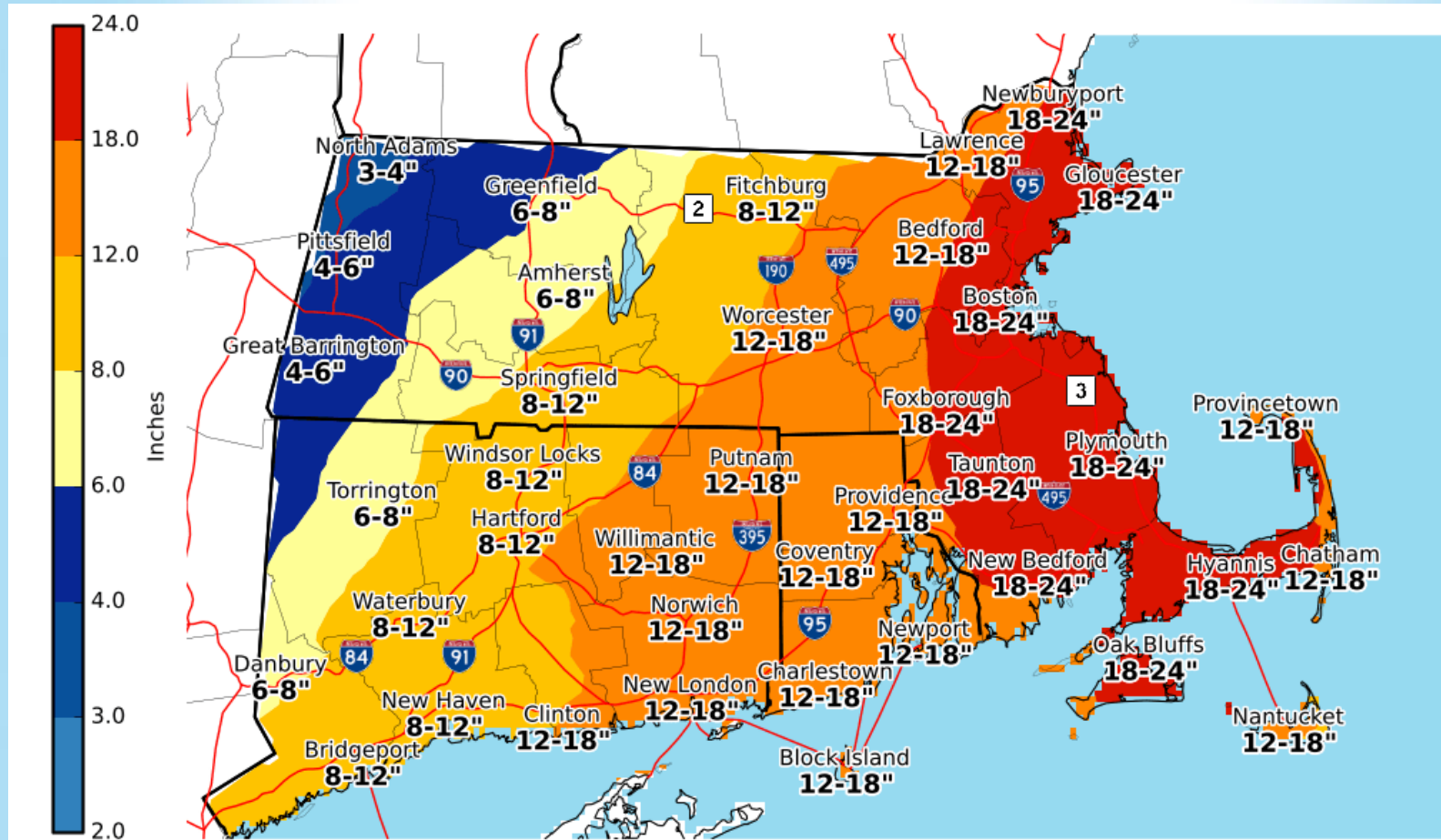
High confidence in a strong coastal storm near southern New England

- High confidence of significant snow/wind across eastern MA/Rhode Island with lower confidence farther inland

Impacts:

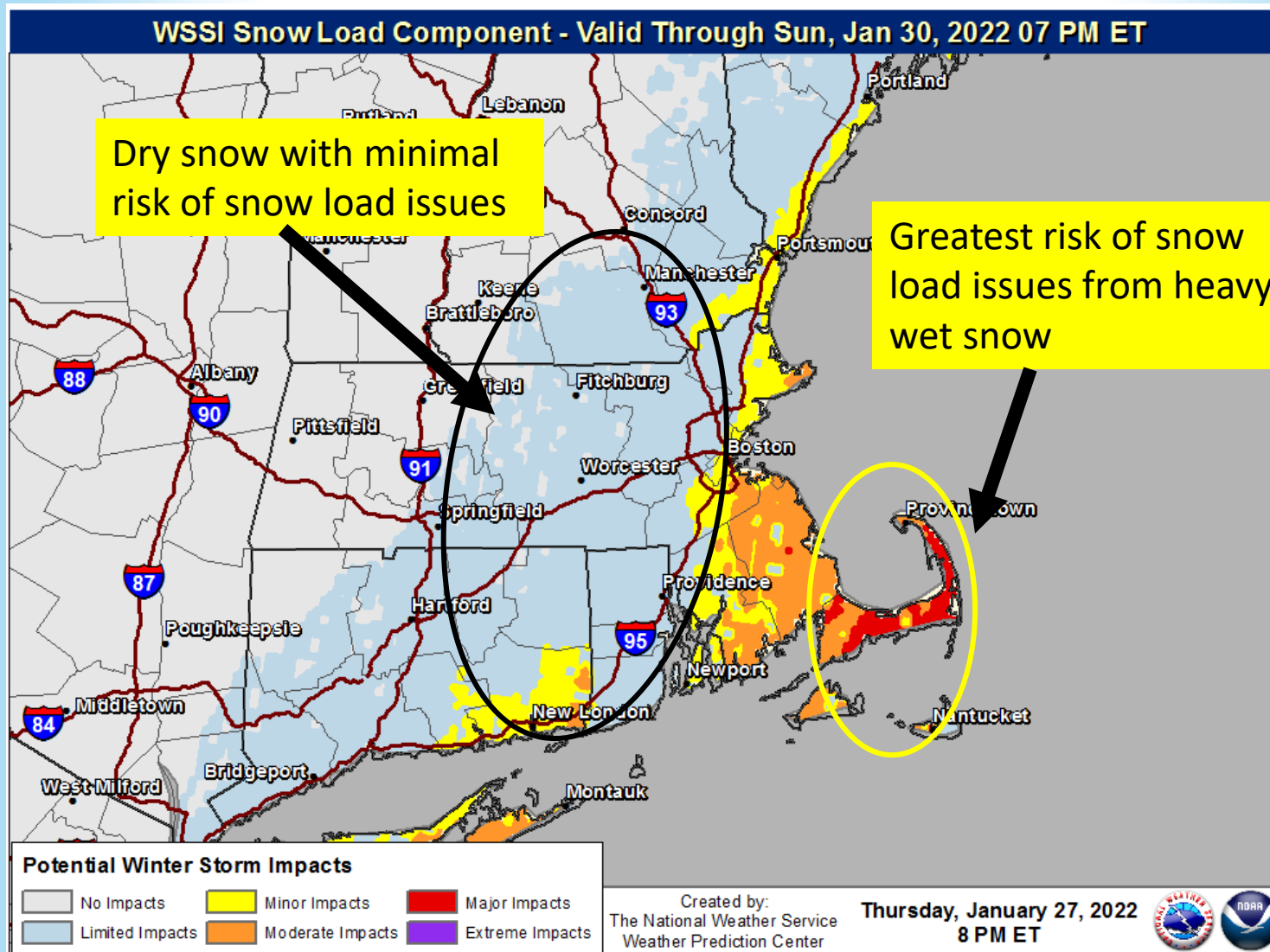
- Significant snowfall, blowing and drifting
- Blizzard or near blizzard conditions from SE MA to Cape Cod
- Minor to moderate coastal flooding
- Strong N/NE winds to 40-50 MPH....60-70 MPH over Cape Cod
- Power outages likely, especially over the Cape/Islands
- Dangerous conditions for mariners - seas 25-30 feet offshore

Forecast Storm Total Snowfall



Timing:
Snow -> 12 AM to 12 AM
Heaviest Snow -> 7 AM to 7 PM

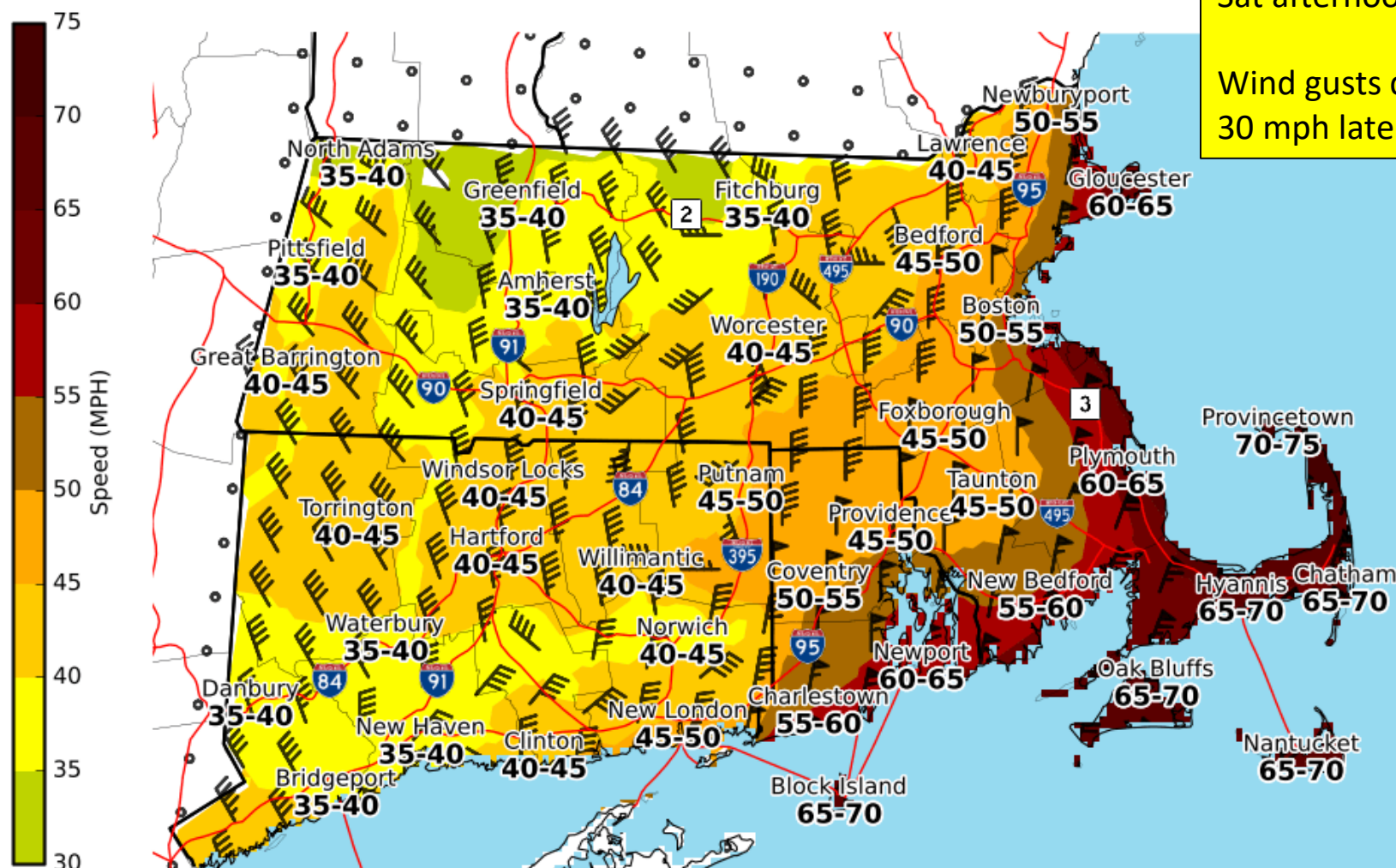
Snow Load Impact Late Friday Night – Saturday night



Forecast Maximum Wind Gusts

Max Wind Gusts (MPH)

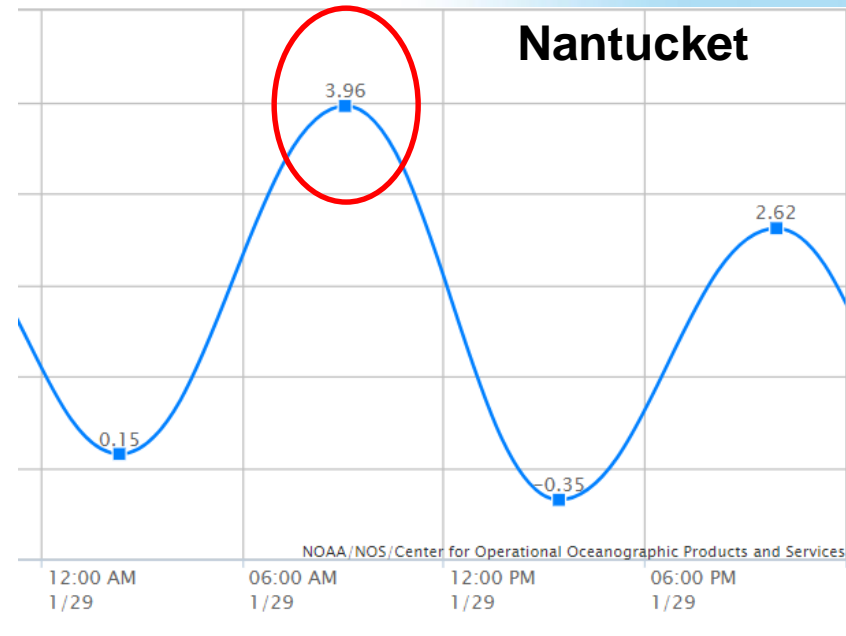
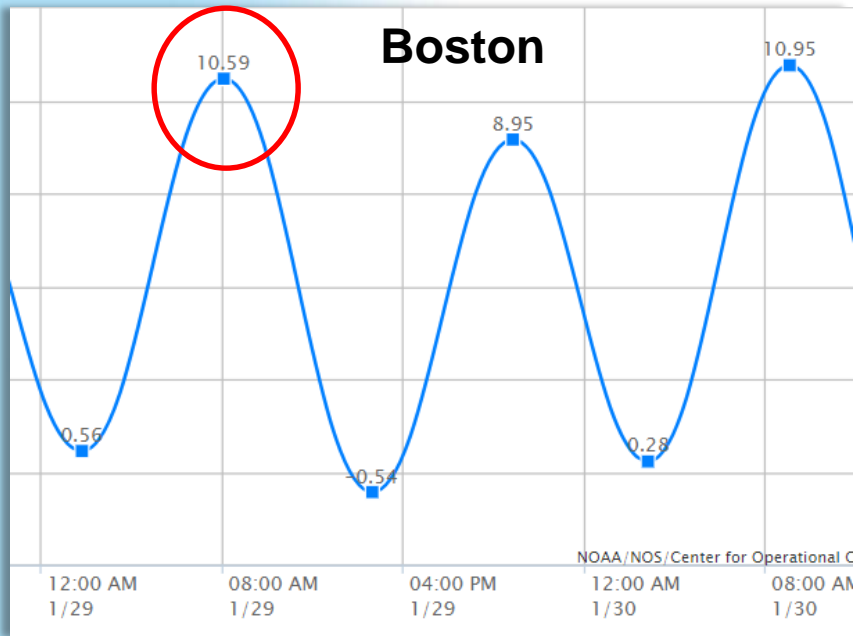
Valid: Saturday



Peak of the Wind
Sat afternoon/evening

Wind gusts drop below
30 mph late Sat evening

Sat AM: Minor Coastal Flooding: Eastern MA Coast



- Less than 1 foot of inundation (above ground level)
- Minor beach erosion

Saturday AM high tide:

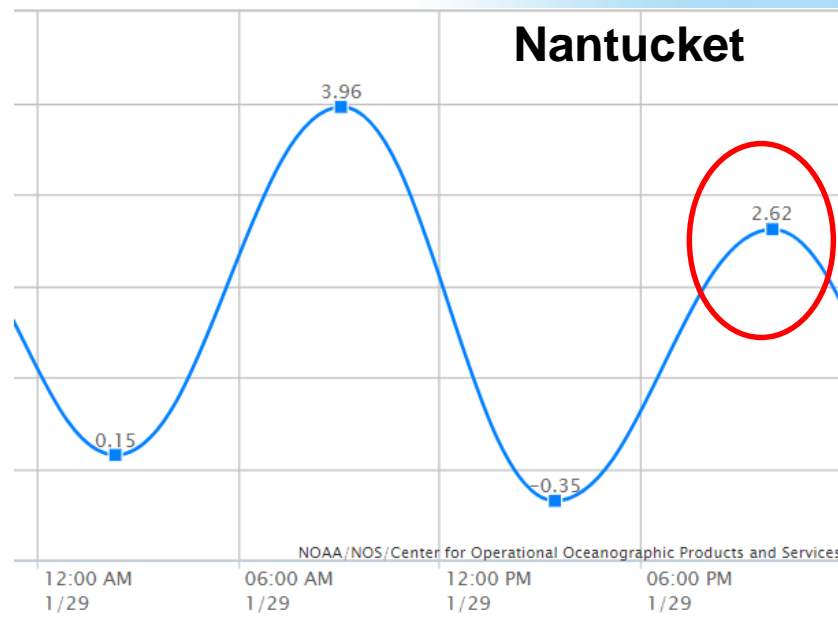
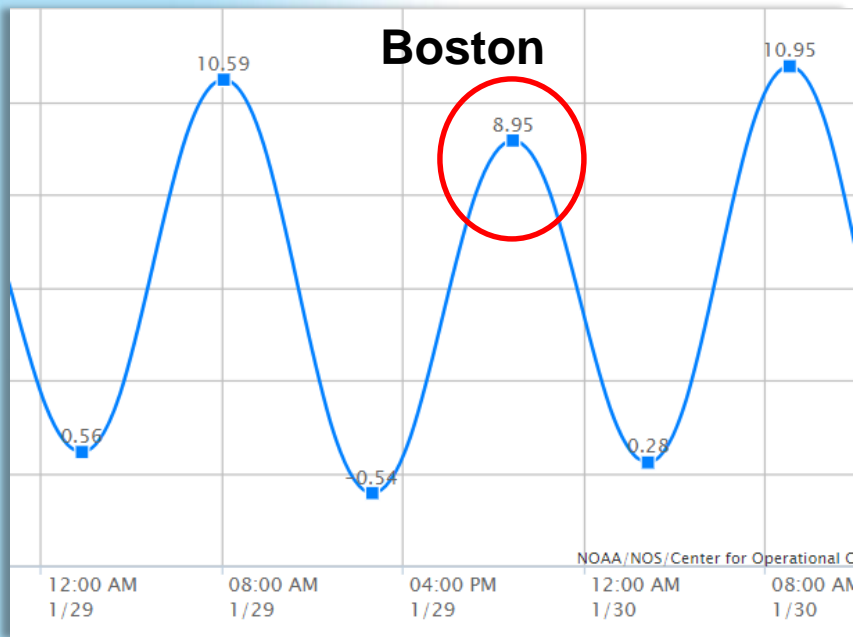
Minor Flooding Possible

Surge: 1-2 ft

Seas: 10-15 ft

Wind: NE 20-30 with gusts to 45 mph

Sat PM: Minor to Moderate Coastal Flooding: 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: 2-3 ft, up to 4 ft Cape Cod Bay

Seas: 25-30 ft offshore

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

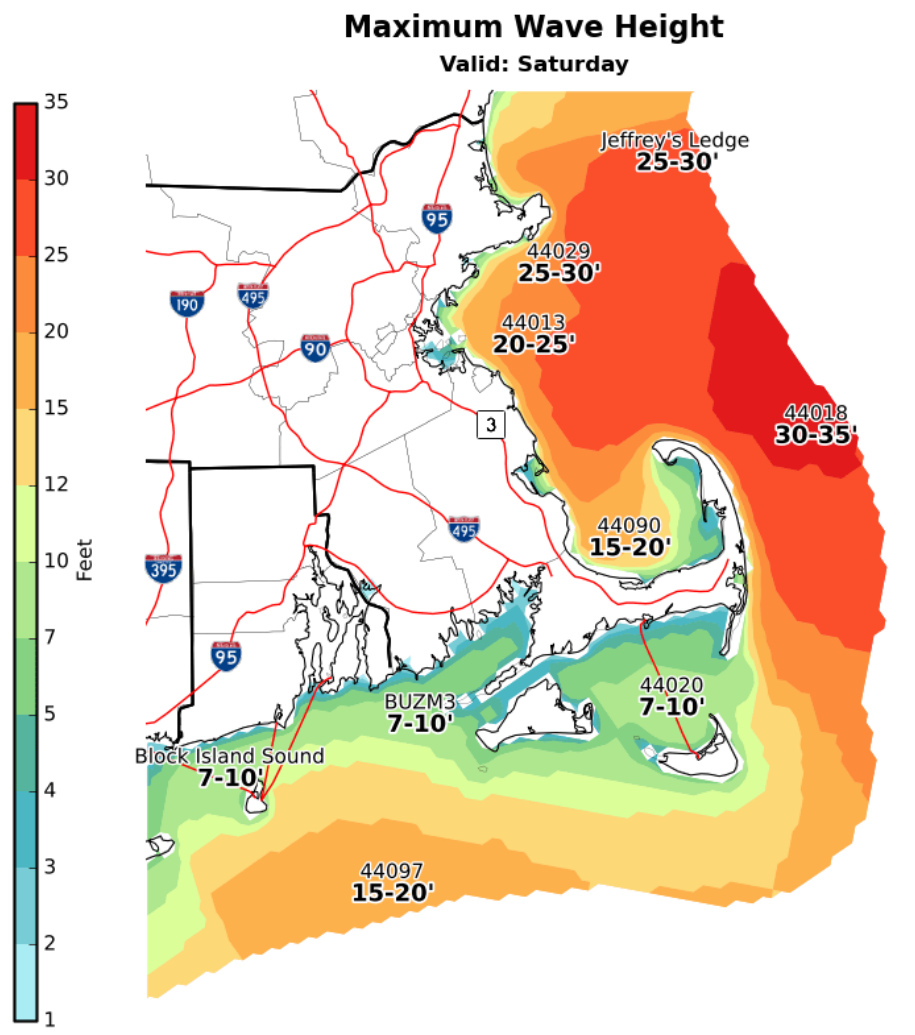
Concerns for Mariners

Wind:

- NE winds reach Gale force late Friday night/early Sat
- Peak gusts from North 50-60 kts Saturday afternoon/evening
- Shift to NW Saturday night, then fall below Gale early Sunday morning

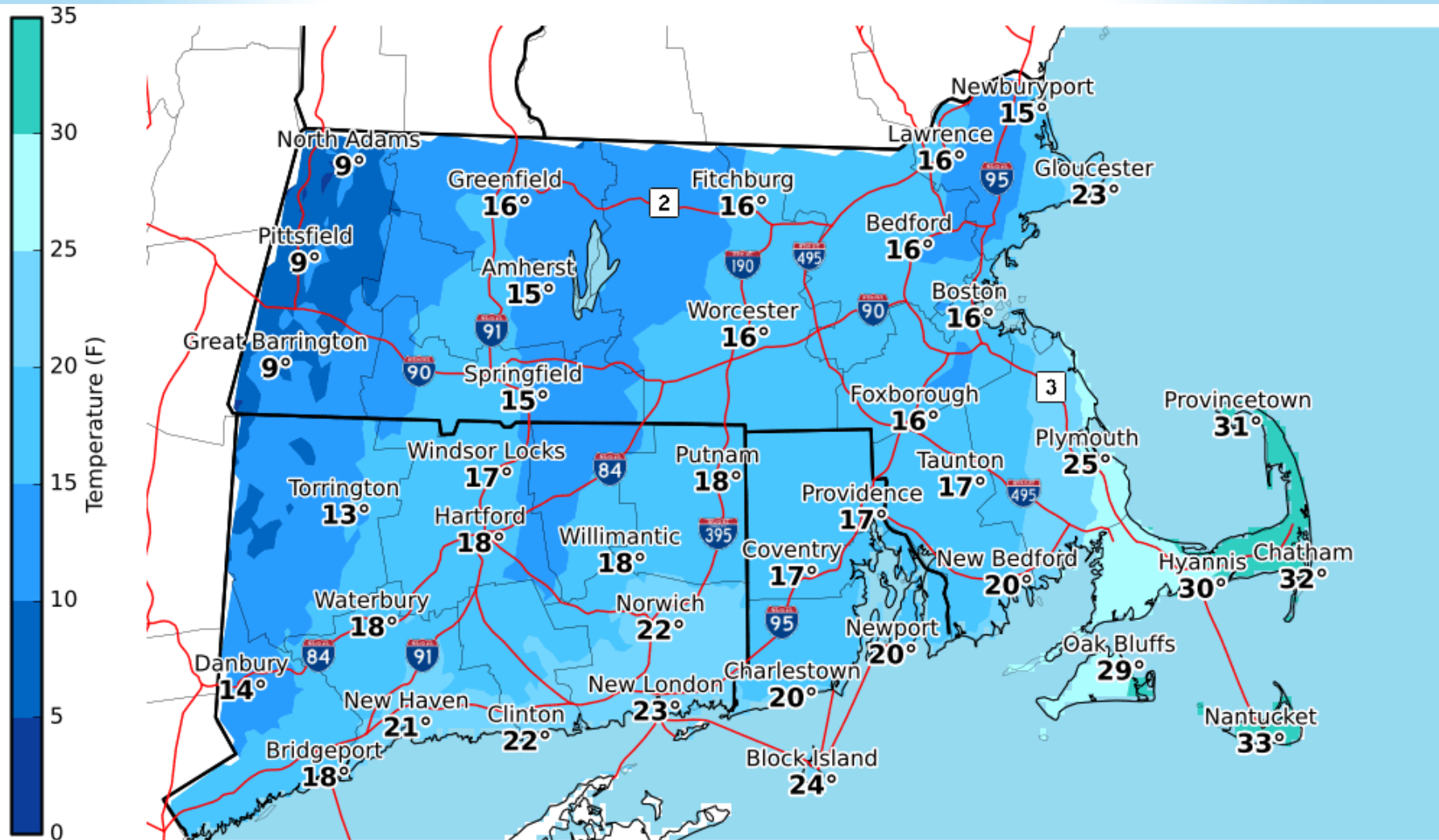
Seas:

- Build steadily Saturday
- Peak 25-30 ft offshore Saturday evening, 5-10 ft on bays and sounds

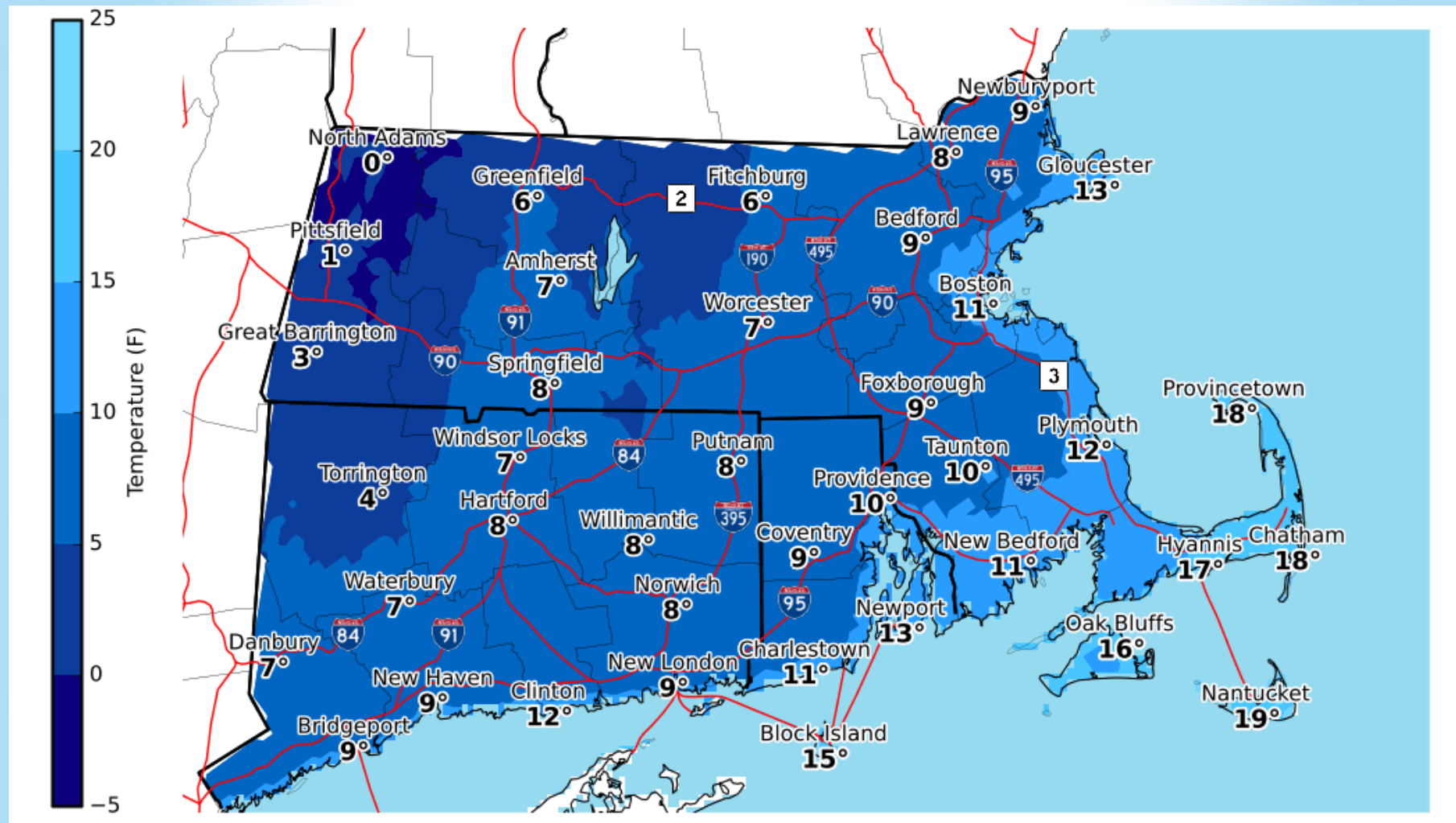


Localized rogue waves offshore could exceed 40 feet

1 pm Saturday Temperatures



Low Temperatures Sunday Morning



Threat Event Summary

✓ **Confidence:** High



Strong north/northeast wind gusts 40-50 MPH eastern MA, 60-70 mph on Cape Cod where power outages likely



Minor to moderate coastal flooding (especially Saturday evening)



Significant snowfall and near blizzard conditions, especially SE MA



Dangerous conditions for mariners - seas 25-30 feet offshore

✓ **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, Friday, January 28th

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, Friday, January 28, 2022