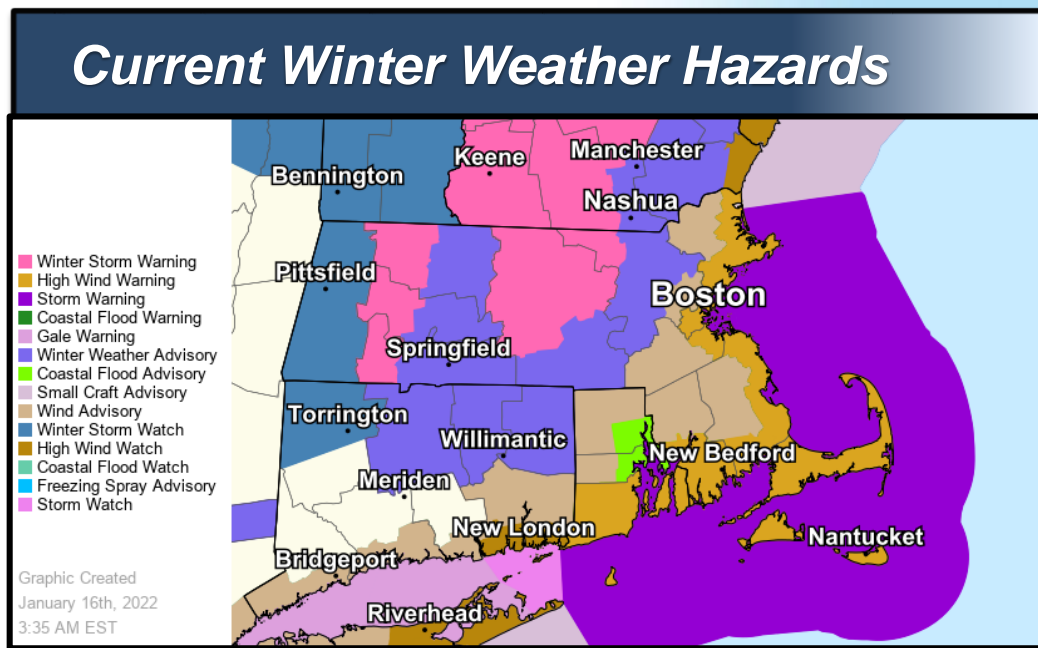


Strong Storm Late Tonight into Monday

National Weather Service
Decision Support Briefing # 6
Sunday, January 16, 2022 4:00 AM

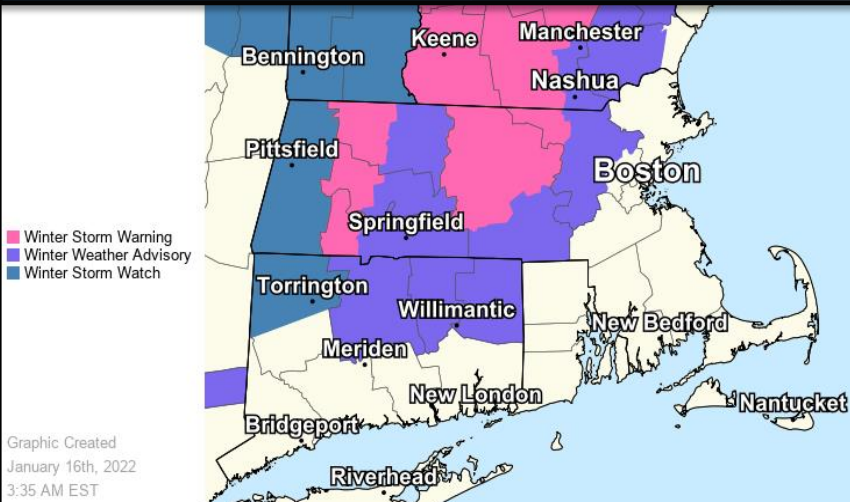
What Has Changed?

- ✓ High Wind Warning issued for Tonight and Monday morning.
- ✓ Coastal Flood Warning issued for Tonight and Monday morning.
- ✓ Winter Storm Warning issued for Tonight and Monday morning.
- ✓ Higher concern for damaging winds along the immediate coast

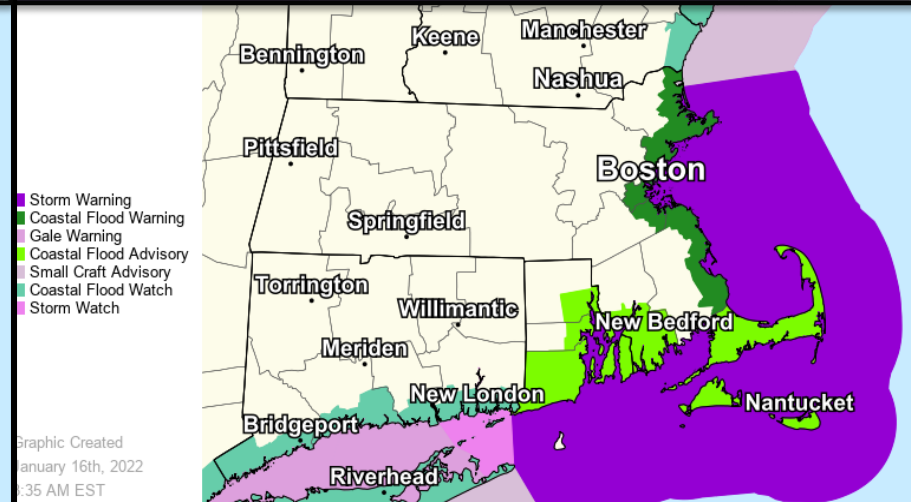




Winter Weather Hazards



Marine / Coastal Hazards







Wind Related Hazards



Flooding Hazards

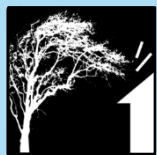


Main Points Tonight and Monday

Hazard		Impacts	Location	Timing
Damaging Winds		Possible power outages	Along coastal MA and RI	Monday Morning, generally between 4 am and Noon
Coastal Flooding		Minor to Moderate Coastal flooding; greatest along N/NE facing beaches	Immediate coastline of RI and MA	Primarily the Monday morning high tide
Snow/Rain Mix		Mostly rain event for Boston to Providence corridor, snow switching to rain for portions of Central MA/RI and northern CT.	All of southern New England	Late Tonight through Monday Morning
Moderate Snow		Moderate snowfall, 6+ inches possible	Northern Worcester County, higher elevations of Franklin, Hampshire, and Hampden counties	Late Tonight and early Monday morning



Summary of Greatest Impacts Sunday Night/Monday



Winds: East coastal MA with greatest risk Cape Cod and Islands



Coastal Flooding: Minor along S. RI/MA Coast, Minor/MDT E/NE MA Coast



Snow to Rain Mix: Most of S. New England; I-95 to immediate coast all rain



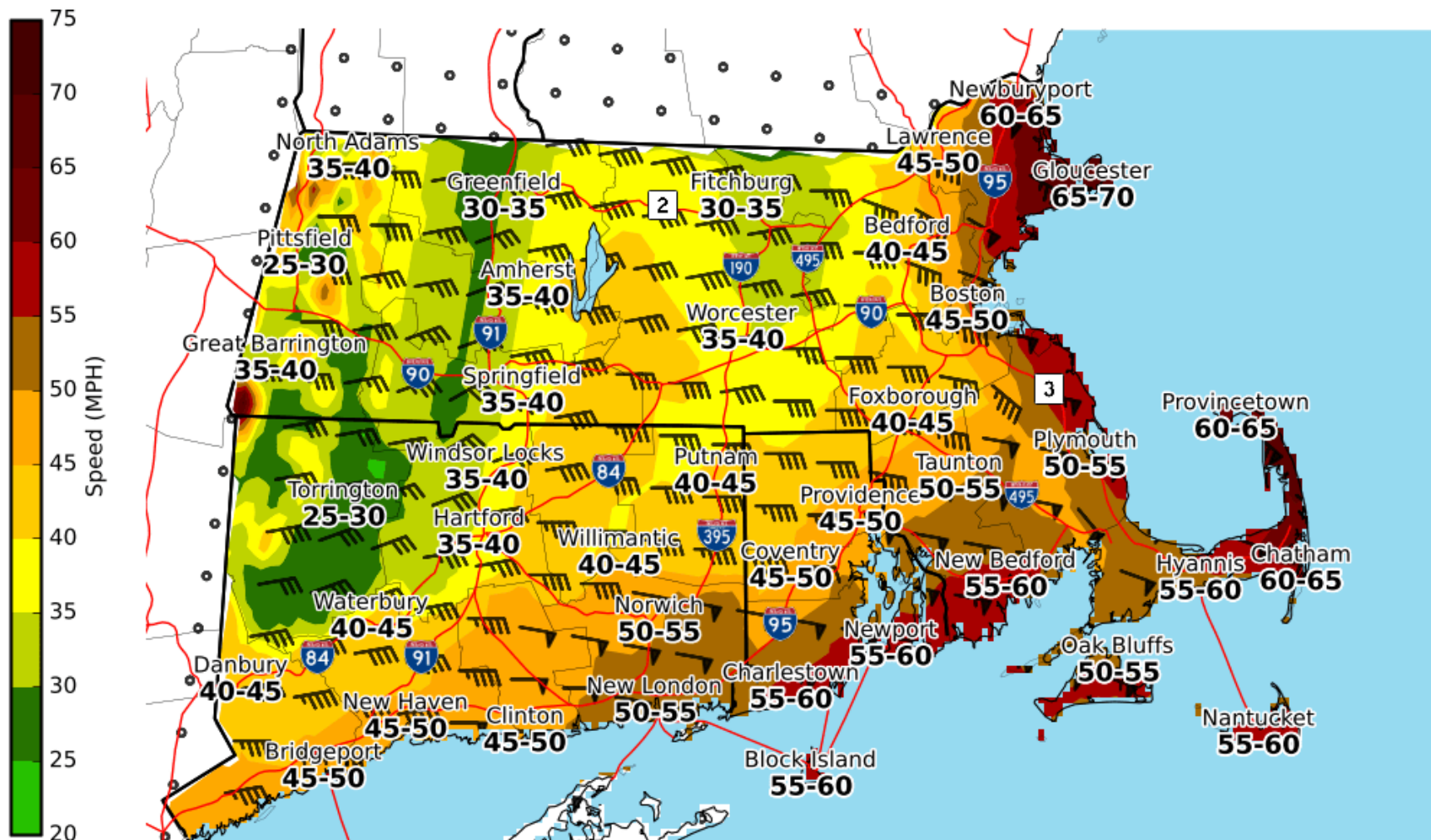
Moderate Snow: Central and Western MA



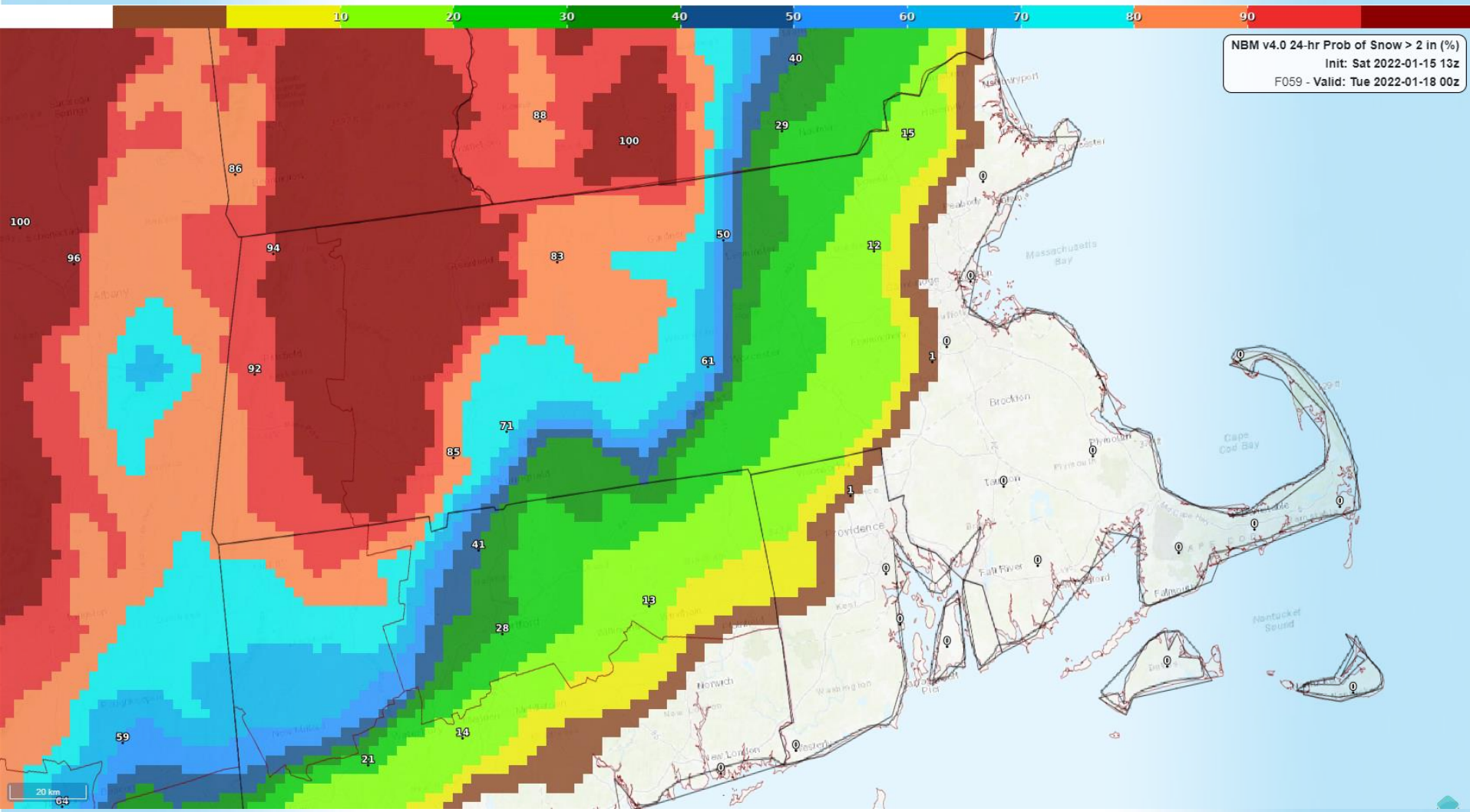
Forecast Maximum Wind Gusts Monday Morning

Max Wind Gusts (MPH)

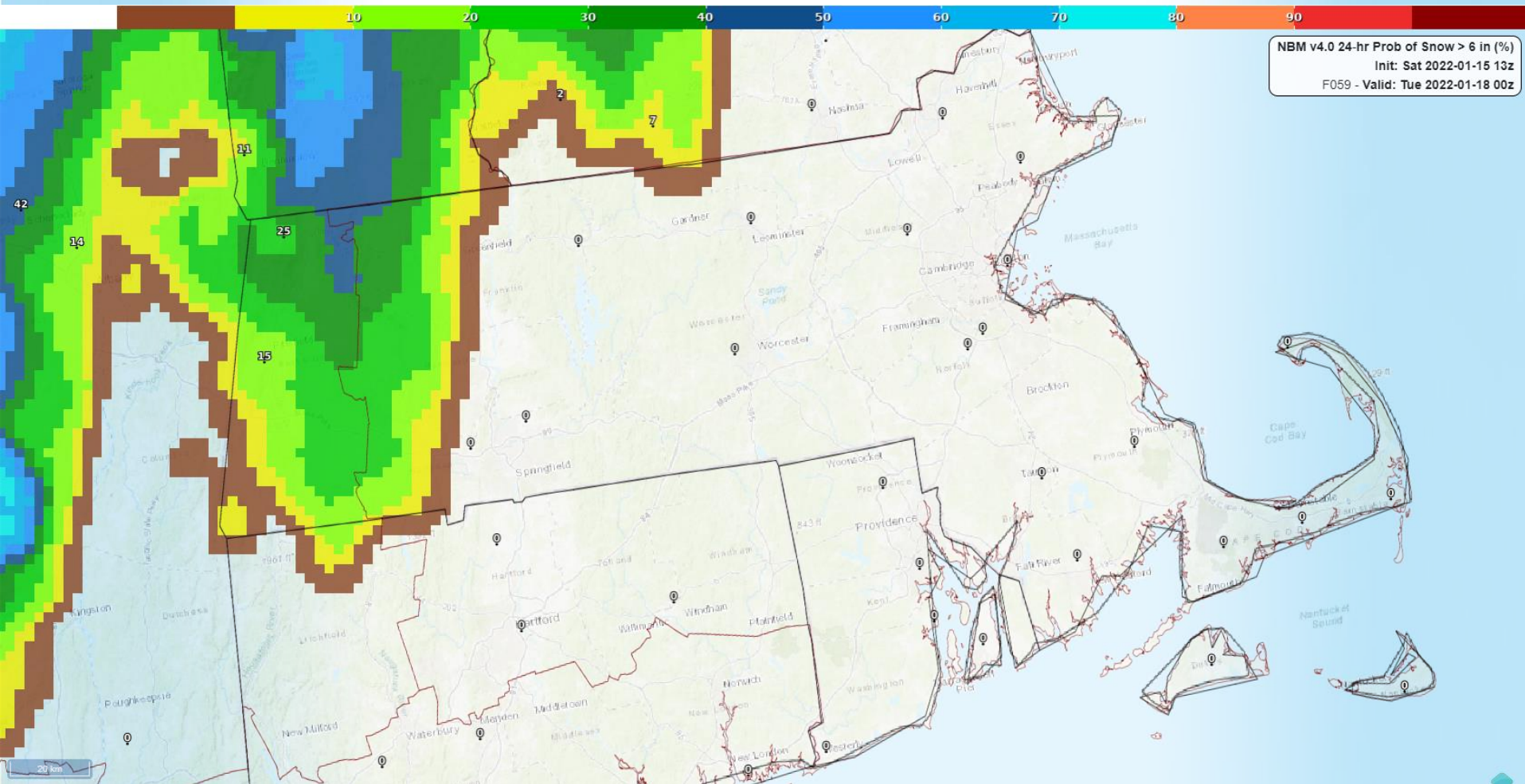
Valid: 01/16/2022 07:00 PM - 01/17/2022 07:00 PM EST



Probability 2+” Snow Late Sunday Night/Monday

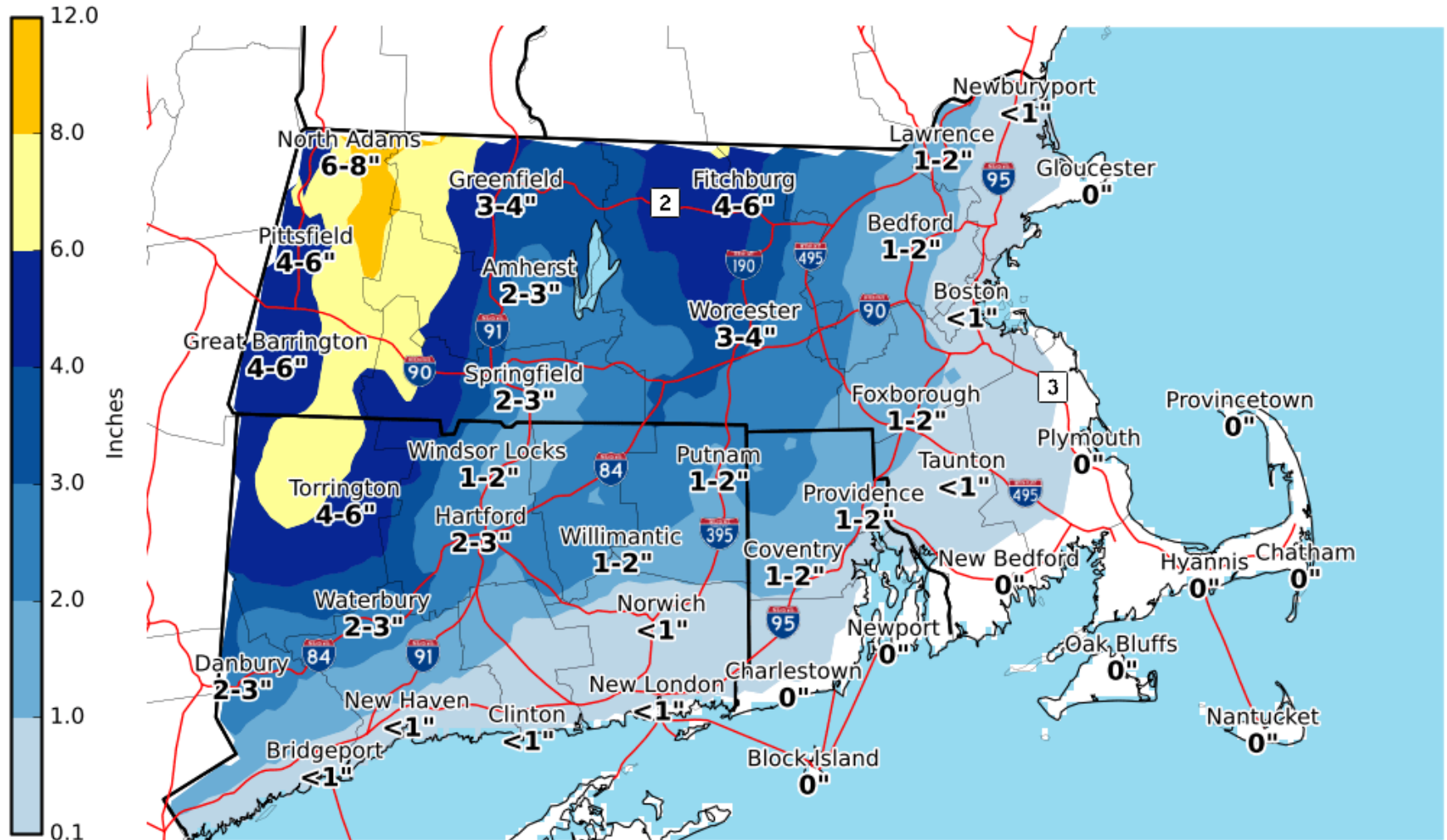


Probability 6+” Snow Late Sunday Night/Monday



Preliminary Forecast Storm Total Snowfall Late Tonight and Monday

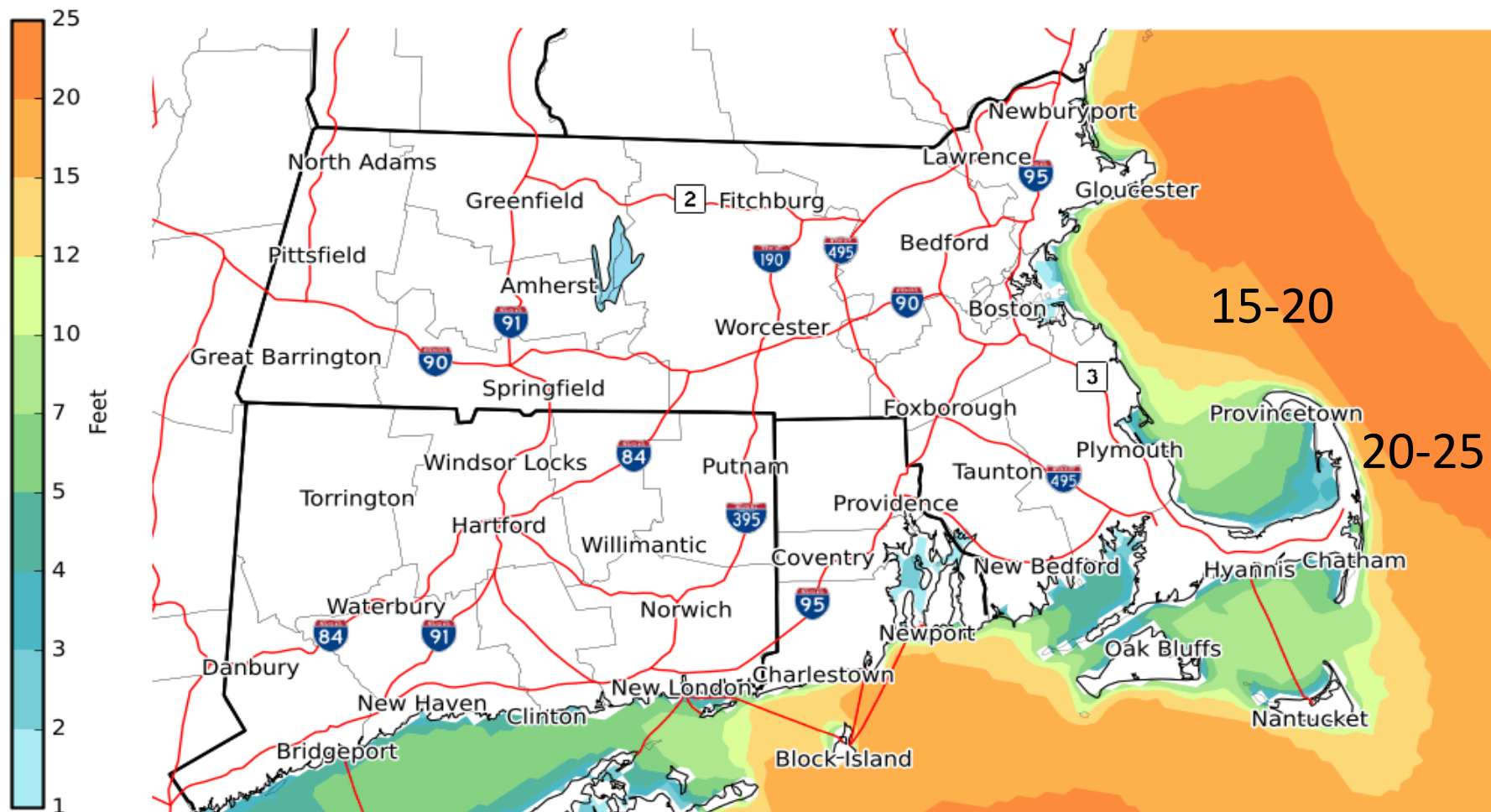
Valid: 01/16/2022 07:00 PM - 01/17/2022 07:00 PM EST



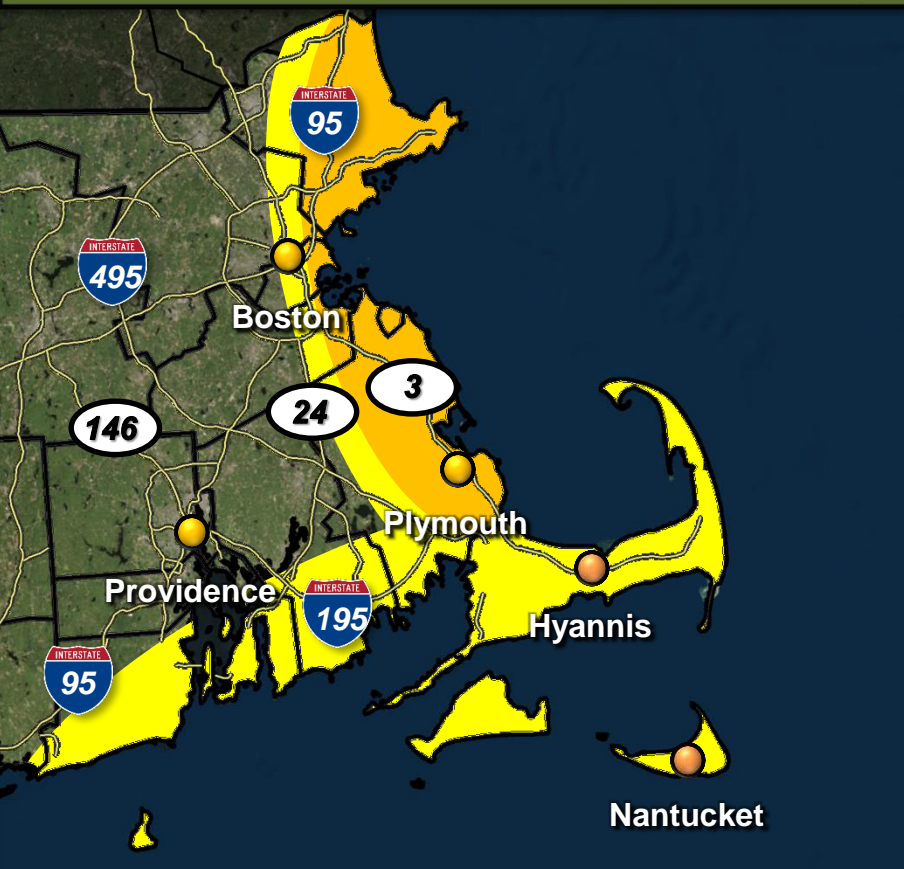
Forecast Maximum Wave Heights (Ft): Monday

Maximum Wave Height

Valid: Monday



Coastal Flooding – Surge / Inundation Monday Morning High Tide



Minor to Moderate Coastal Flooding

- Partial inundation within the flood zone, especially for low-lying areas.
- Vulnerable shore roads with up to a foot of water inundation possible. May be flooding of a few vulnerable basements.
- Some beach erosion with heavy surf.
- Greatest threat for moderate flooding along north/northeast facing coastlines

Timing

- High tide Monday morning will be most impacted.

None
Minor
Moderate
Major
Extreme

	Storm Surge Threat	Potential Impacts from Storm Surge
Little to None	0 to 1 feet above ground	No immediate preparations needed. Little to no potential storm surge flooding impacts
Elevated	1 to 3 feet above ground	To be safe, prepare for the potential of limited storm surge flooding impacts
Moderate	3 to 6 feet above ground	To be safe, earnestly prepare for the potential of significant storm surge flooding impacts
High	6 to 9 feet above ground	To be safe, aggressively prepare for the potential of significant storm surge flooding impacts
Extreme	> 9 feet above ground	To be safe, aggressively prepare for the potential of devastating to catastrophic storm surge flooding impacts

Threat Event Summary

✓ **Confidence:** High confidence in strong storm affecting the region Tonight into Monday, High confidence in precipitation types for Metro Areas, moderate confidence for accumulation totals for northern and western MA

✓ **What:**



- Potentially damaging winds on Monday morning; up to 70 mph possible along the eastern MA coast and Cape.



- Accumulating snow for the interior late Sunday night into Monday. Highest accumulations across W. MA and Berkshires; 4-8 inches possible



- Minor to Moderate coastal flooding during the Monday morning high tide
- Seas of 20 to 25 feet just offshore

✓ **Where:** All of Southern New England

✓ **When:** Late Tonight into Monday; high impact weather will be finished by early afternoon

Contact and Next Briefing Information

Next Briefing

When: 6 pm, Sunday, January 16th

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, Sunday, January 16, 2022

