

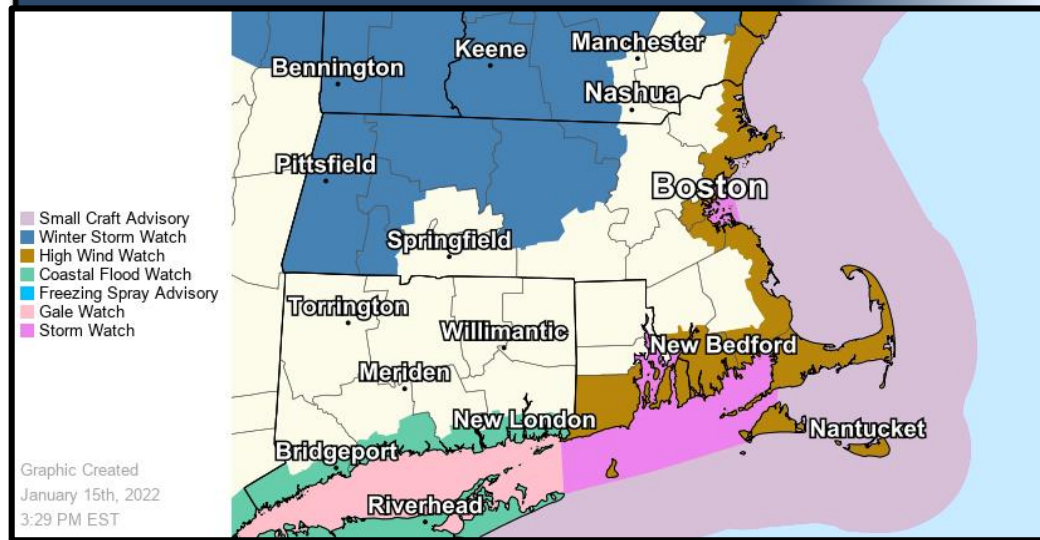
Strong Storm Late Sunday Night into Monday

National Weather Service
Decision Support Briefing # 5
Saturday, January 15, 2022 4:00 PM

Current Winter Weather Hazards

What Has Changed?

- ✓ Snow has been trended slightly downward
- ✓ Higher concern for damaging winds along the immediate coast





Winter Weather Hazards



Marine / Coastal Hazards







Wind Related Hazards



Flooding Hazards

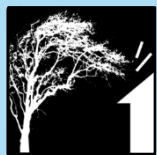


Main Points Sunday Night and Monday

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 Sunday Night through Monday Morning
Moderate Snow		Moderate snowfall, 6+ inches possible	Northern Worcester County, higher elevations of Franklin, Hampshire, and Hampden counties	Late Saturday night 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



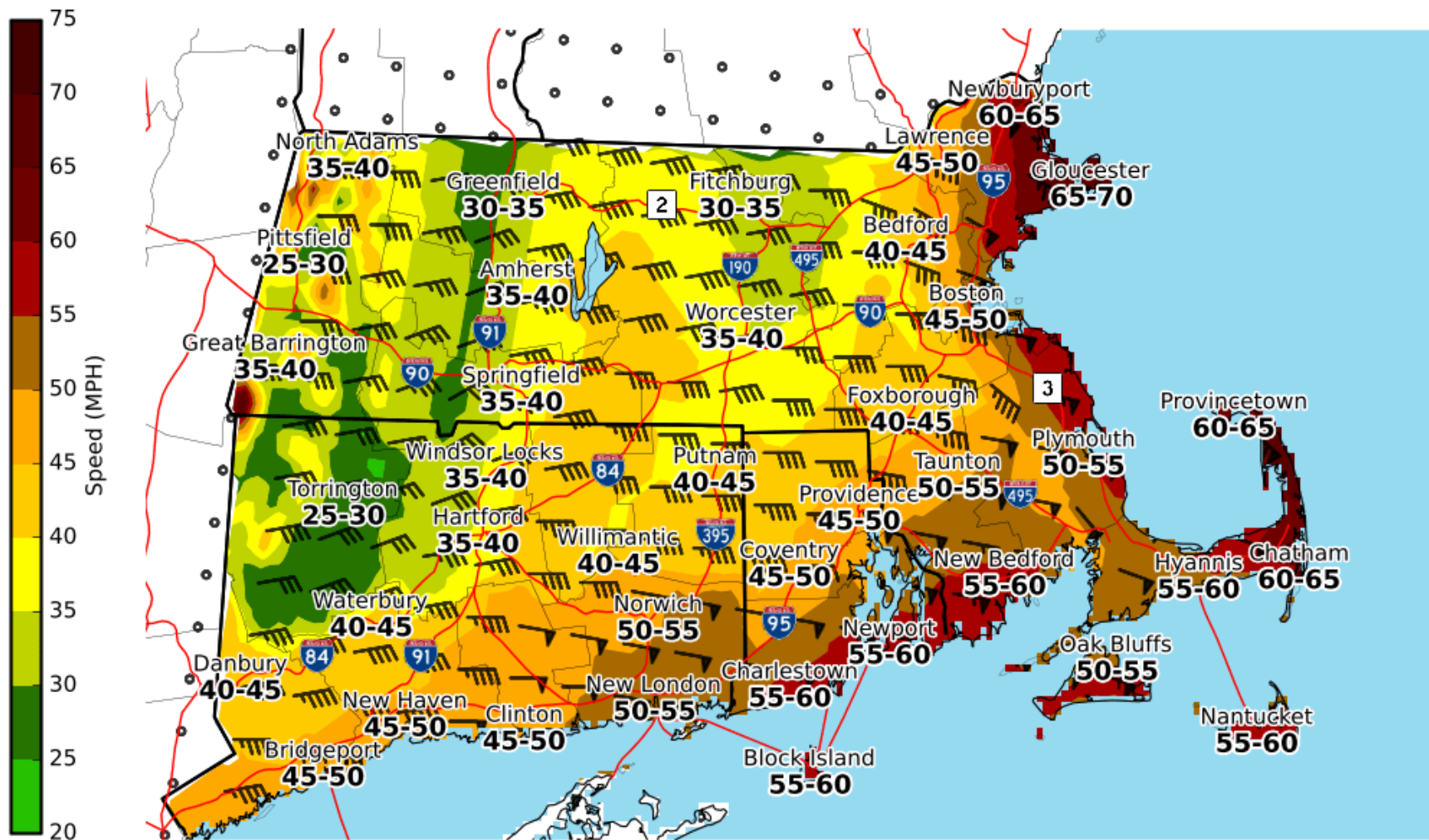
Moderate Snow: Central and Western MA



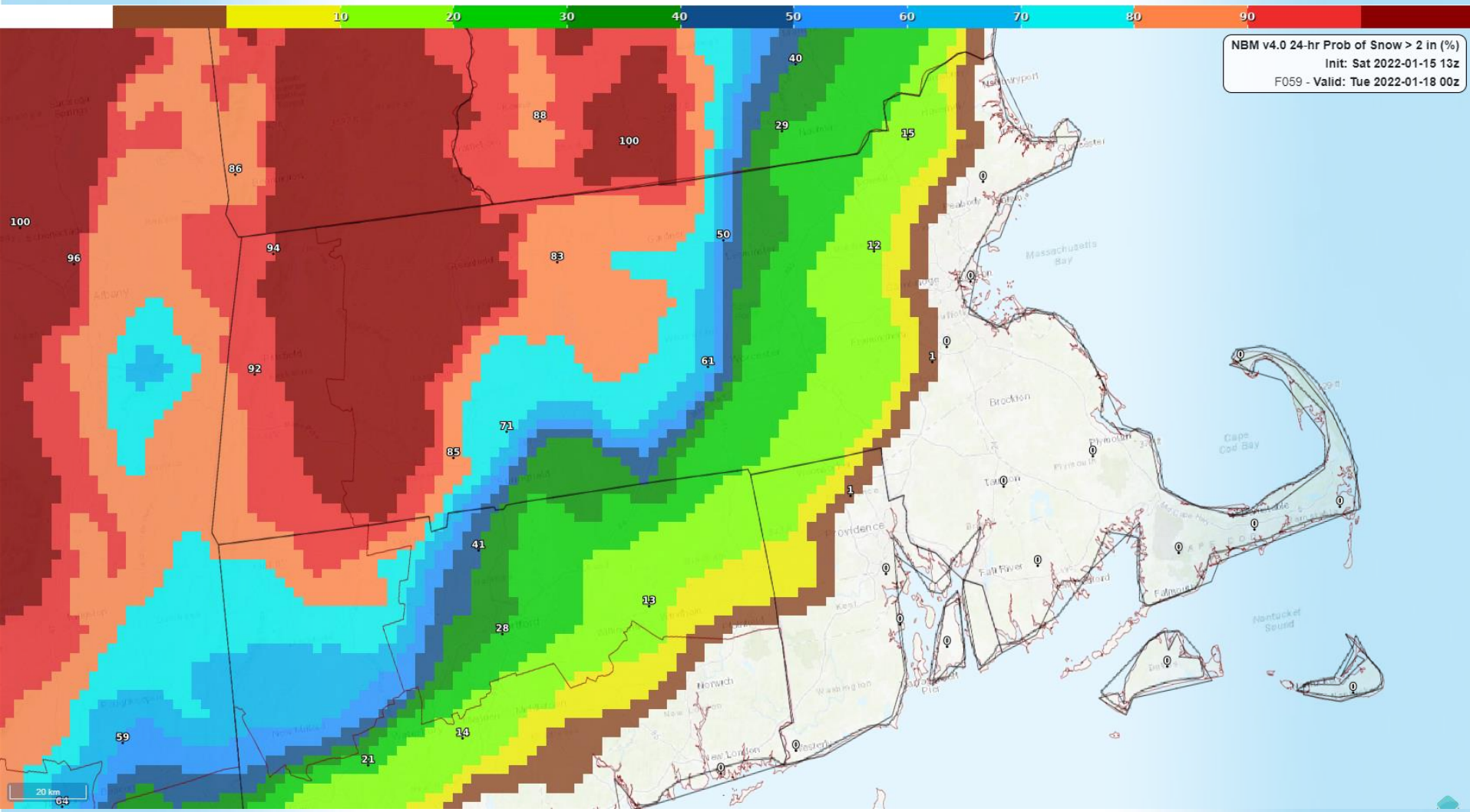
Forecast Maximum Wind Gusts Monday Morning

Max Wind Gusts (MPH)

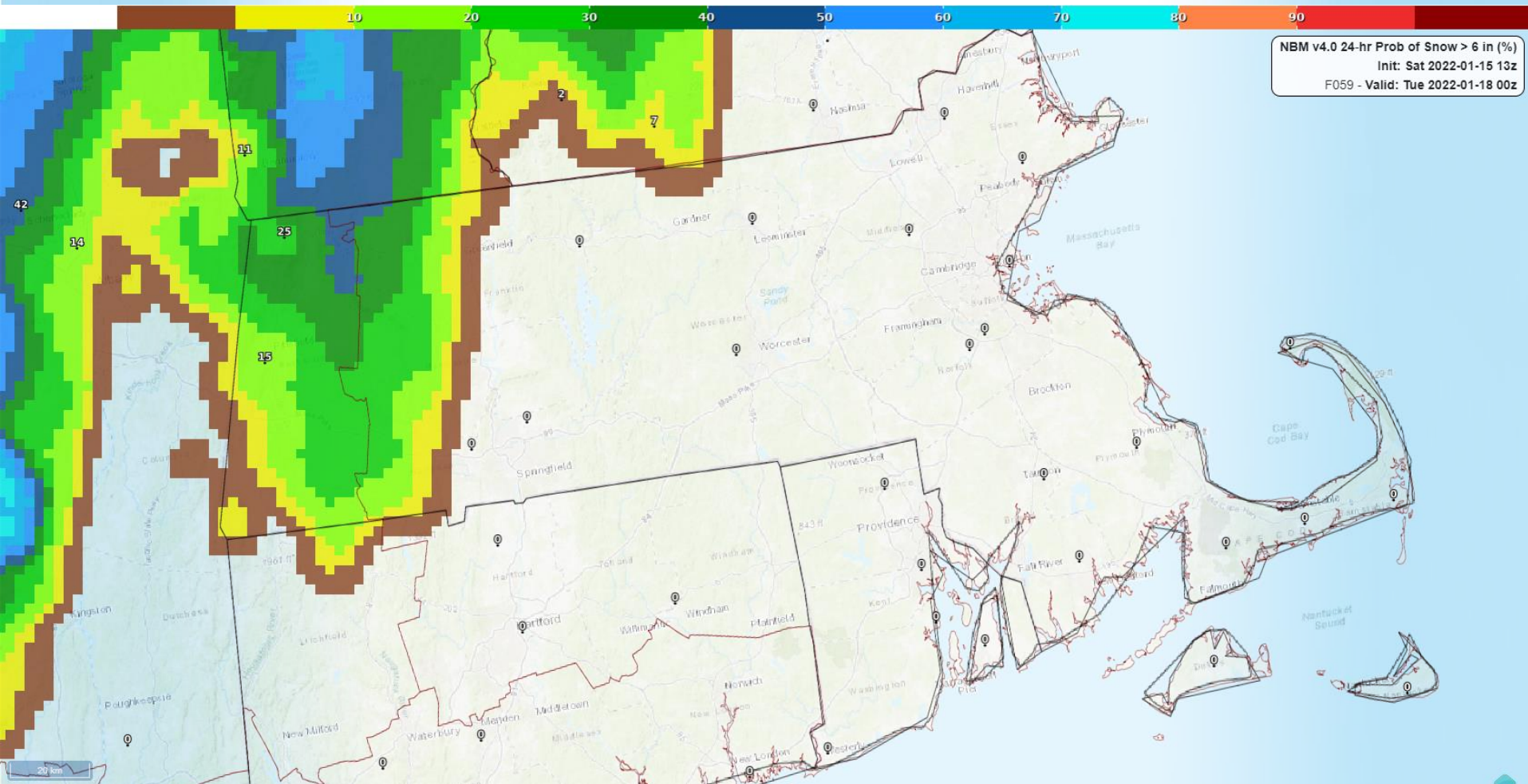
Valid: 01/16/2022 07:00 PM - 01/17/2022 07:00 PM EST



Probability 2+” Snow Late Sunday Night/Monday

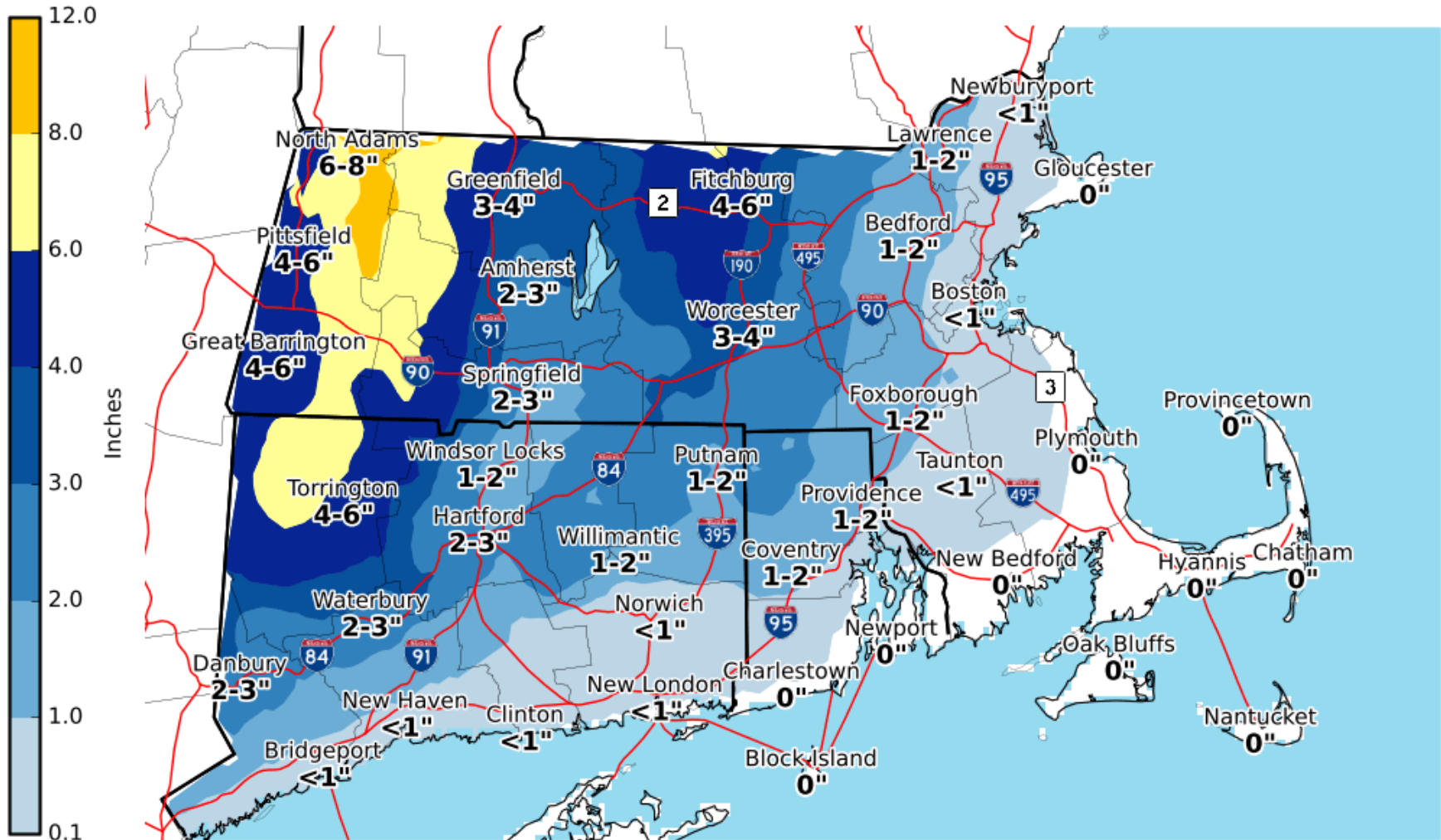


Probability 6+” Snow Late Sunday Night/Monday



Preliminary Forecast Storm Total Snowfall Late Sunday Night through Monday

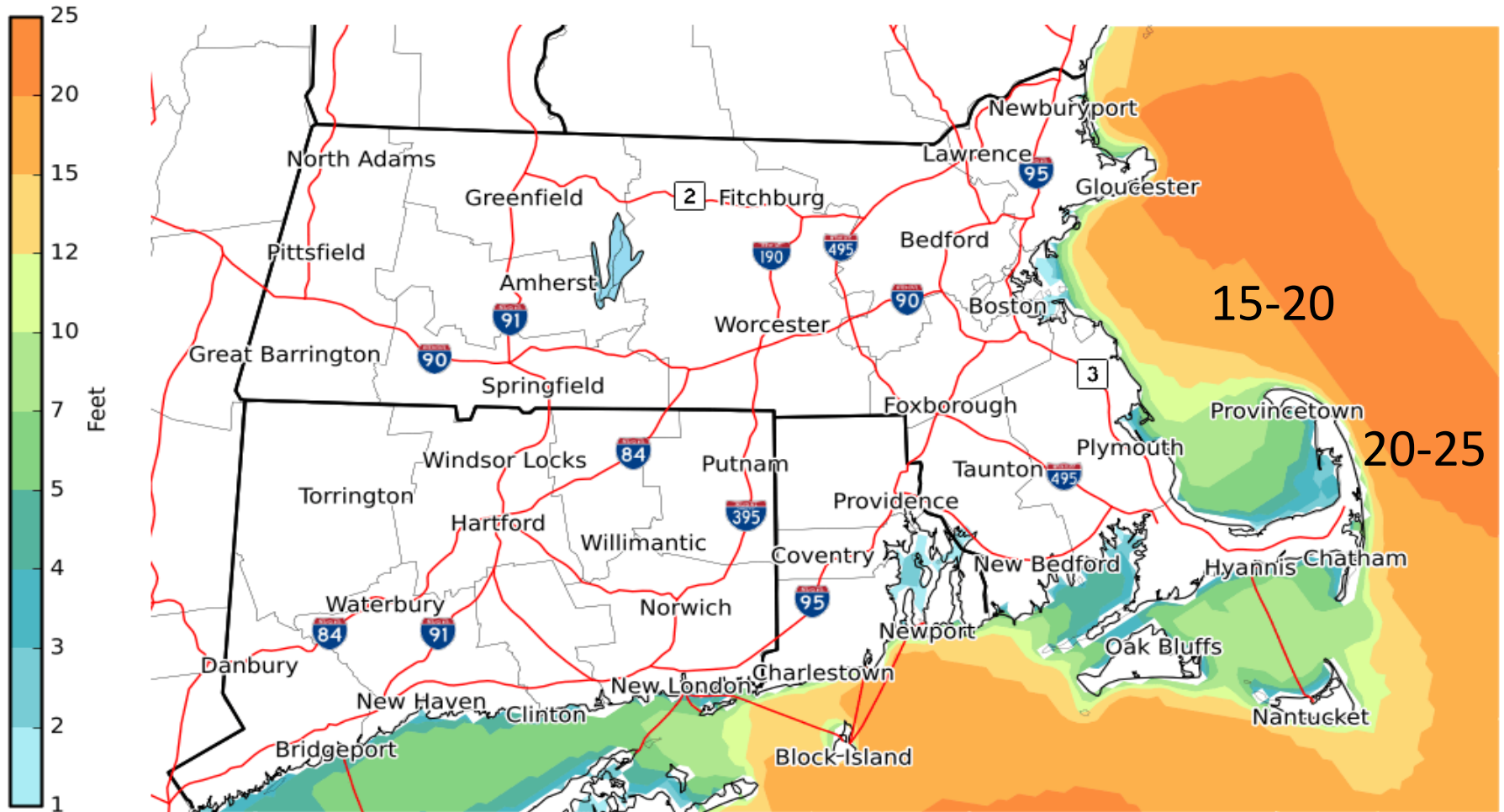
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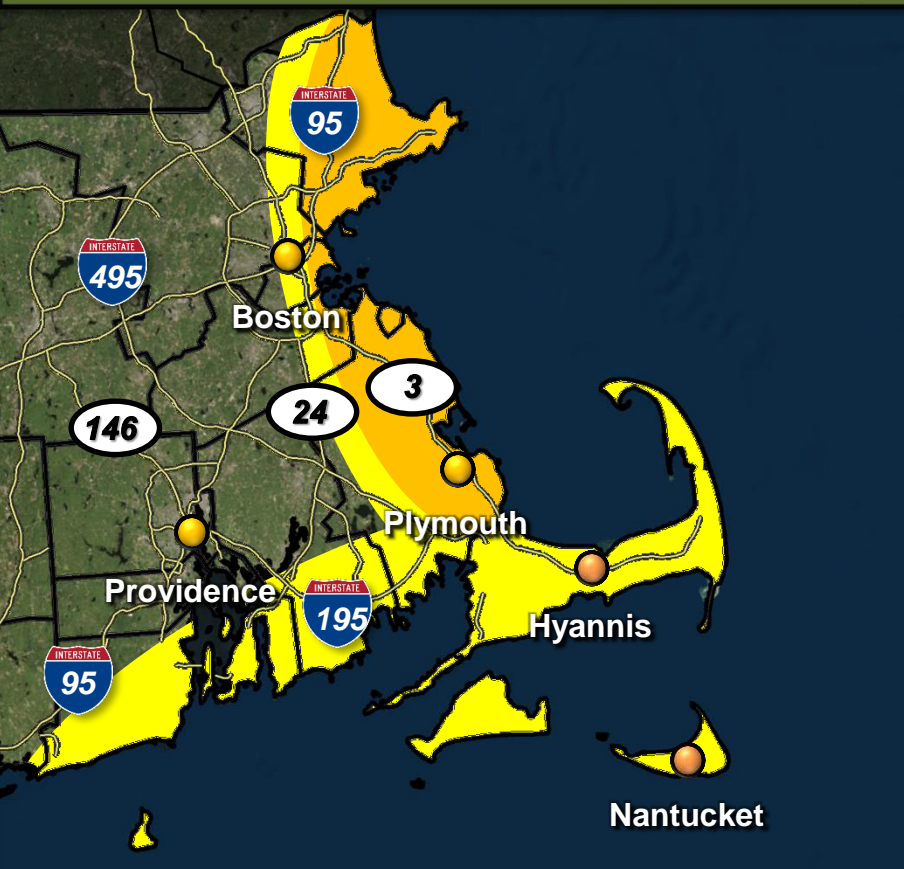
Forecast Maximum Wave Heights (Ft): Tonight Into Saturday Morning

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 Sunday night into Monday, High confidence in precipitation types for Metro Areas, moderate confidence for accumulation totals for northern and western MA

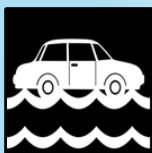
✓ **What:**



- 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 Sunday night into Monday; high impact weather will be over by early afternoon

Contact and Next Briefing Information

Next Briefing

When: 6 am, Sunday, January 16th

Method: via email



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Disclaimer: The information contained within this briefing is time-sensitive,
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