



Weather Briefing

For Southern New England

January 9, 2024

3:20 AM

Decision Support Briefing #3

→ As of 4 AM Tuesday, January 9th 2024

NEW

Important Updates

- Expanded High Wind Warning to Cape Ann, interior southeast MA, as well as Bristol and Eastern Kent Counties in RI
- Wind Advisory expanded to include northeast CT, northern RI, as well as interior MA
- Issued a Coastal Flood Watch for eastern MA, including the islands
- Storm Warnings for all MA and RI coastal waters

Hazards

- High Wind Warning
- Storm Warning
- Coastal Flood Warning
- Winter Weather Advisory
- Coastal Flood Advisory
- Wind Advisory
- Flood Watch
- Coastal Flood Watch



Graphic Created
January 9th, 2024
4:15 AM CST







National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

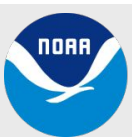
National Weather Service
Boston / Norton, MA



Main Points

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Hazard	Impacts	Location	Timing
Damaging Wind 	Potential for downed trees/power lines & power outages Hazardous travel	I-95 corridor to the coastline (including the Cape & Islands)	Tonight into Wednesday AM May impact Wednesday AM commute
Flooding/Rainfall 	Potential for significant street flood & river/stream flooding	All of southern New England, except for Cape Cod & the Islands	Tonight into Wednesday AM River floods may linger until later into this week
Marine 	Dangerous sea conditions for vessels	All waters	Tonight into Wednesday AM
Coastal Flooding 	Minor to moderate flooding on coastal roads	Both south & eastern coastal waters	Wednesday AM High Tide





Active Headlines

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Hazards

- High Wind Warning
- Storm Warning
- Coastal Flood Warning
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- Wind Advisory
- Flood Watch
- Coastal Flood Watch



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Marine / Coastal Hazards

- Storm Warning
- Coastal Flood Warning
- Coastal Flood Advisory
- Coastal Flood Watch



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Wind Related Hazards

- High Wind Warning
- Wind Advisory



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Flooding Hazards

- Flood Watch



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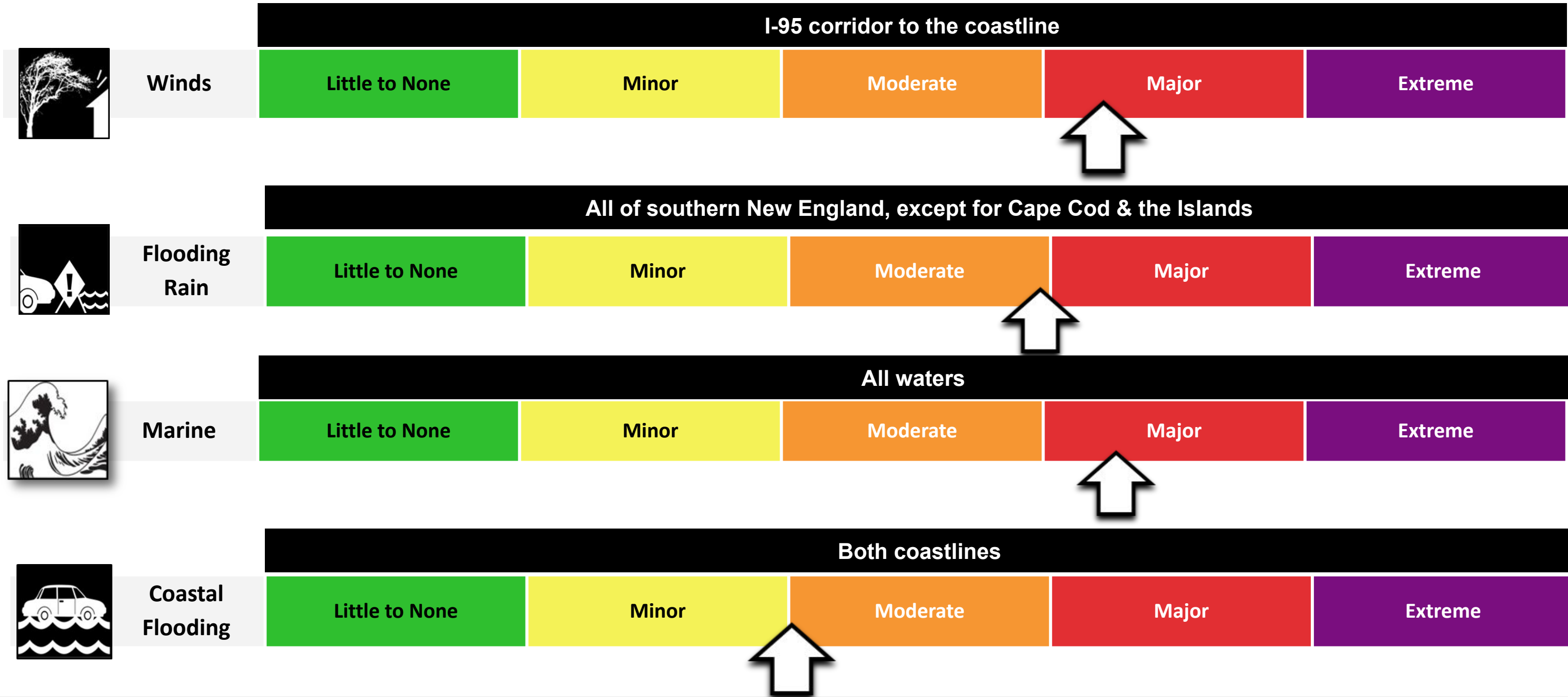
National
Weather
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U.S. Department of
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n, MA



Summary of Greatest Impacts

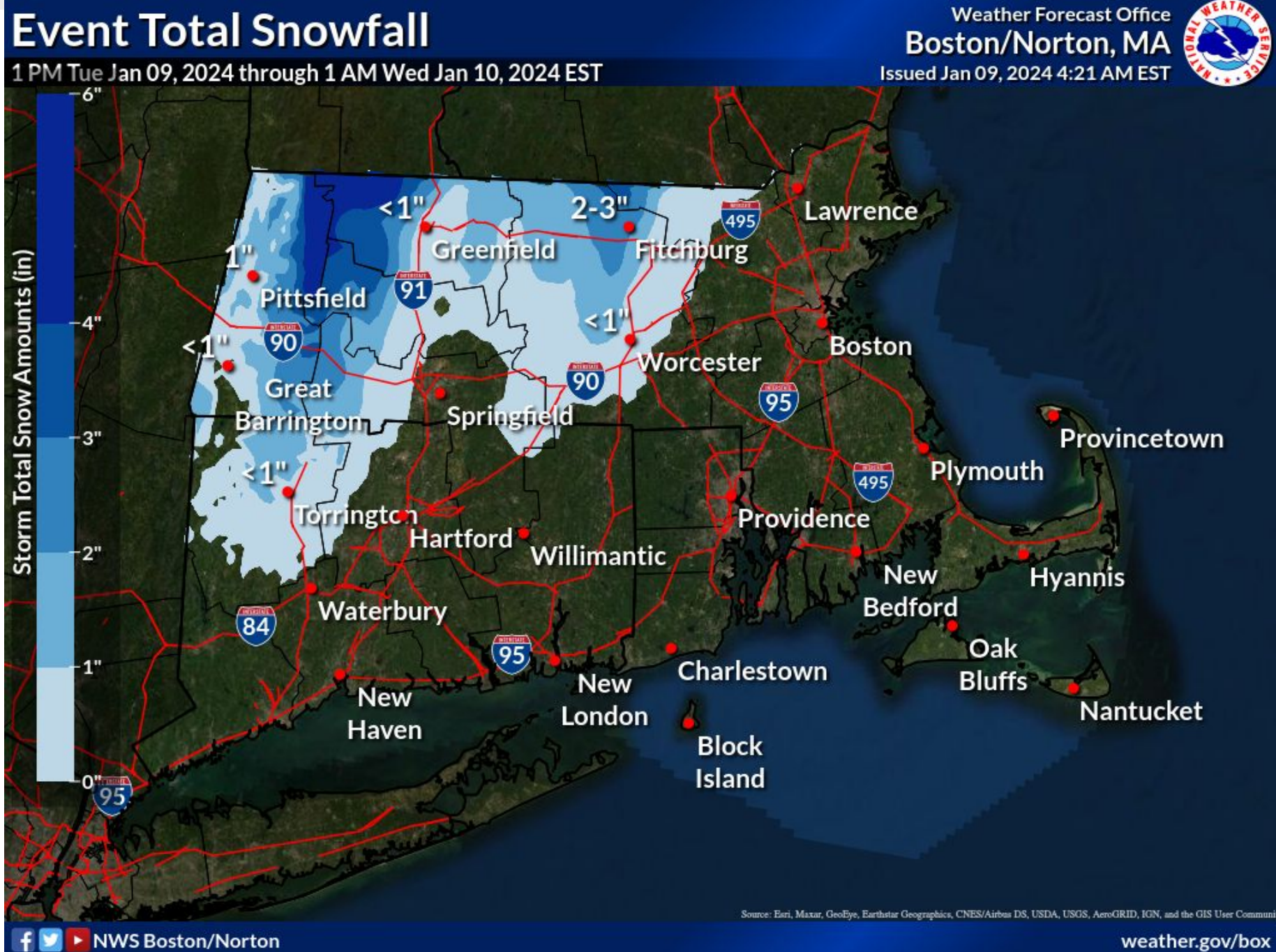
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Expected Snowfall Forecast

January 9, 2024
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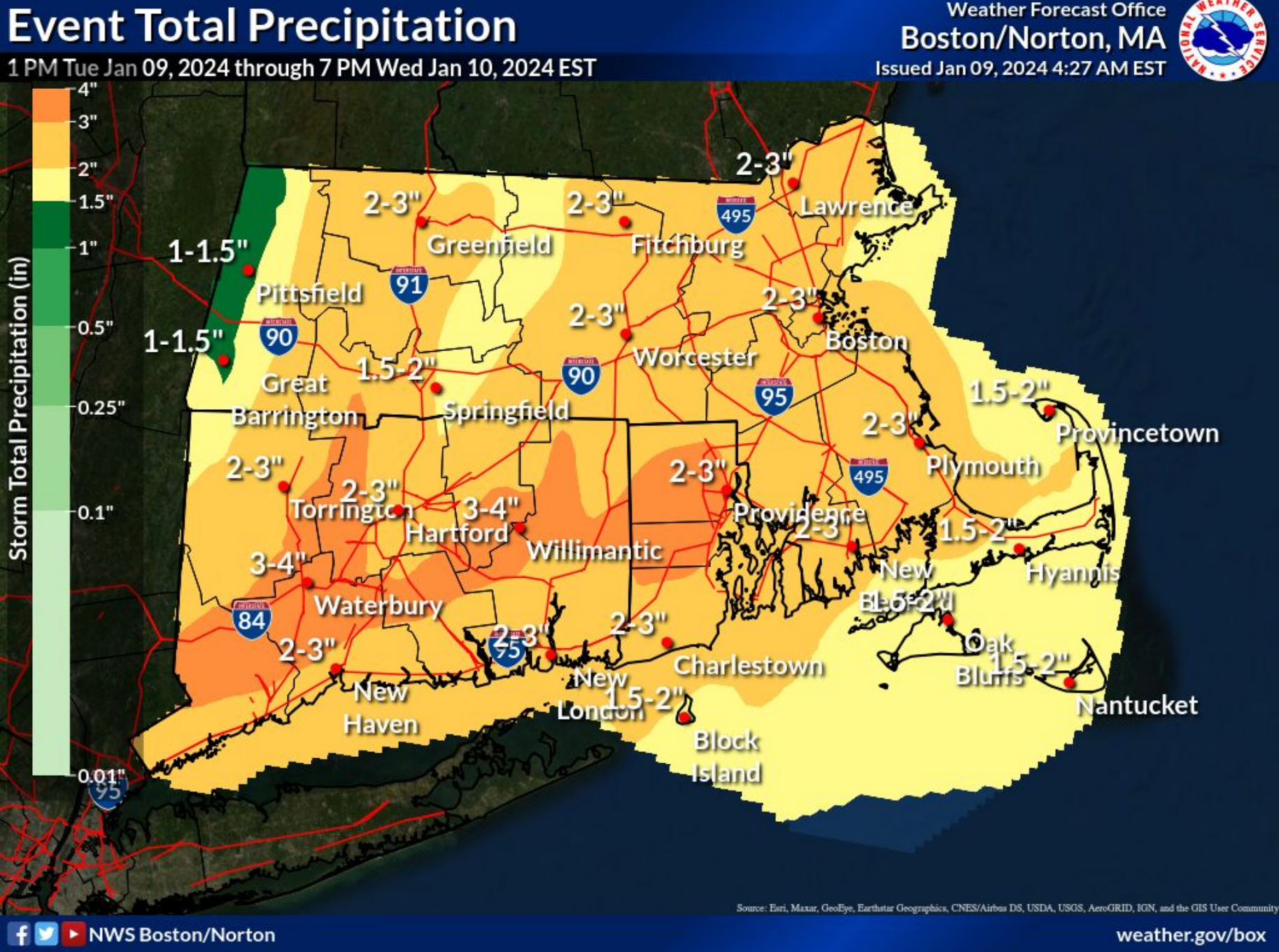
- A burst of accumulating snow over the higher elevations late Tuesday into Tuesday evening
- Snow changing to all rain by midnight





Expected Rainfall Forecast

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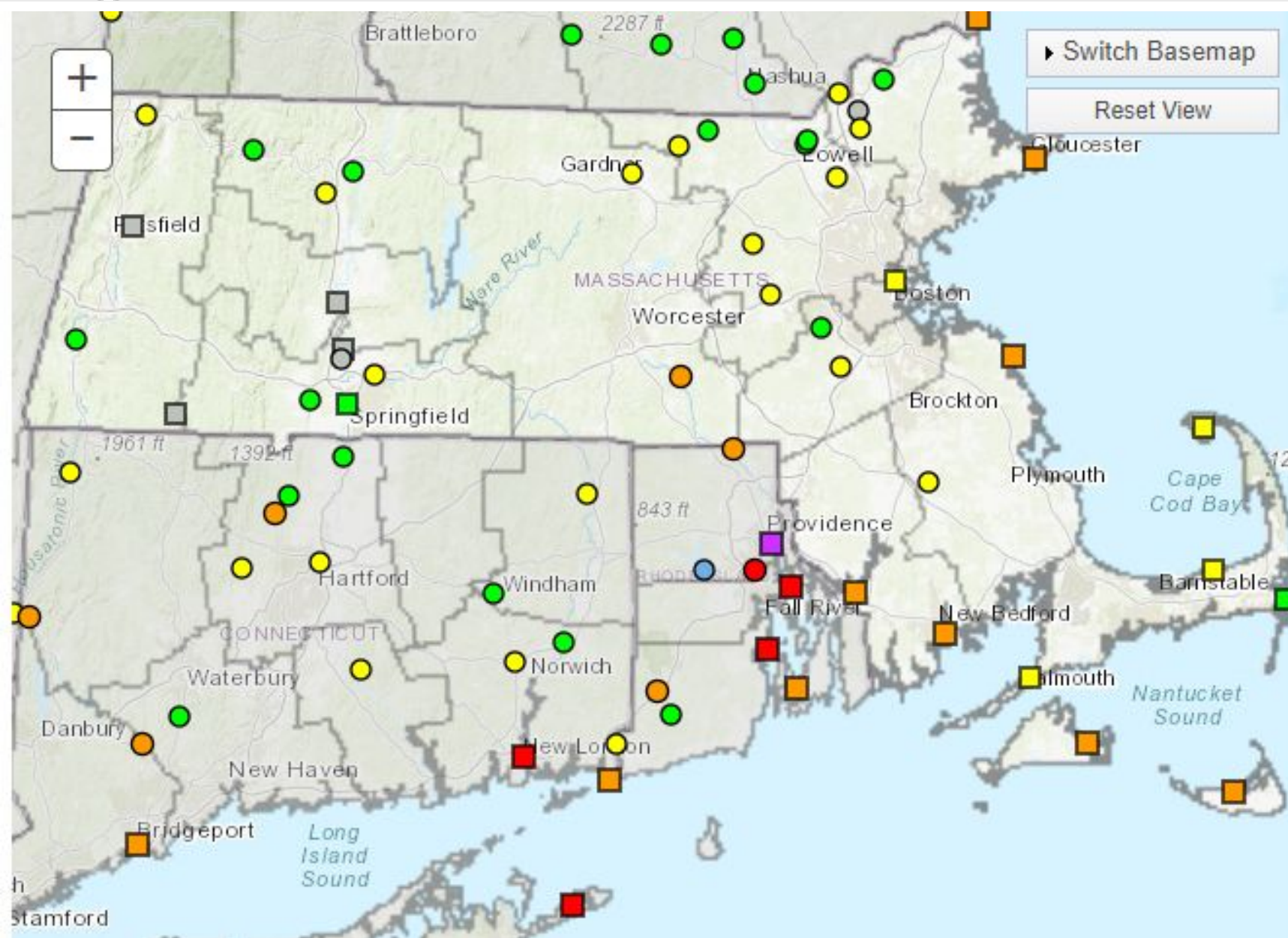
- Rain will fall over an 18 hour period - beginning late Tuesday afternoon, ending mid Wednesday morning
- Heaviest during the overnight hours
- Snow/Ice clogged drainage will exacerbate roadway flooding





River Flood Outlook

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Initial concerns for:
Blackstone River, Pawtuxet River, Wood River,
Farmington River, Housatonic River

Quicker responding rivers reaching flood stage
Wednesday. Slower ones possibly Thursday

Uncertainty until rainfall and snowmelt
amounts are known

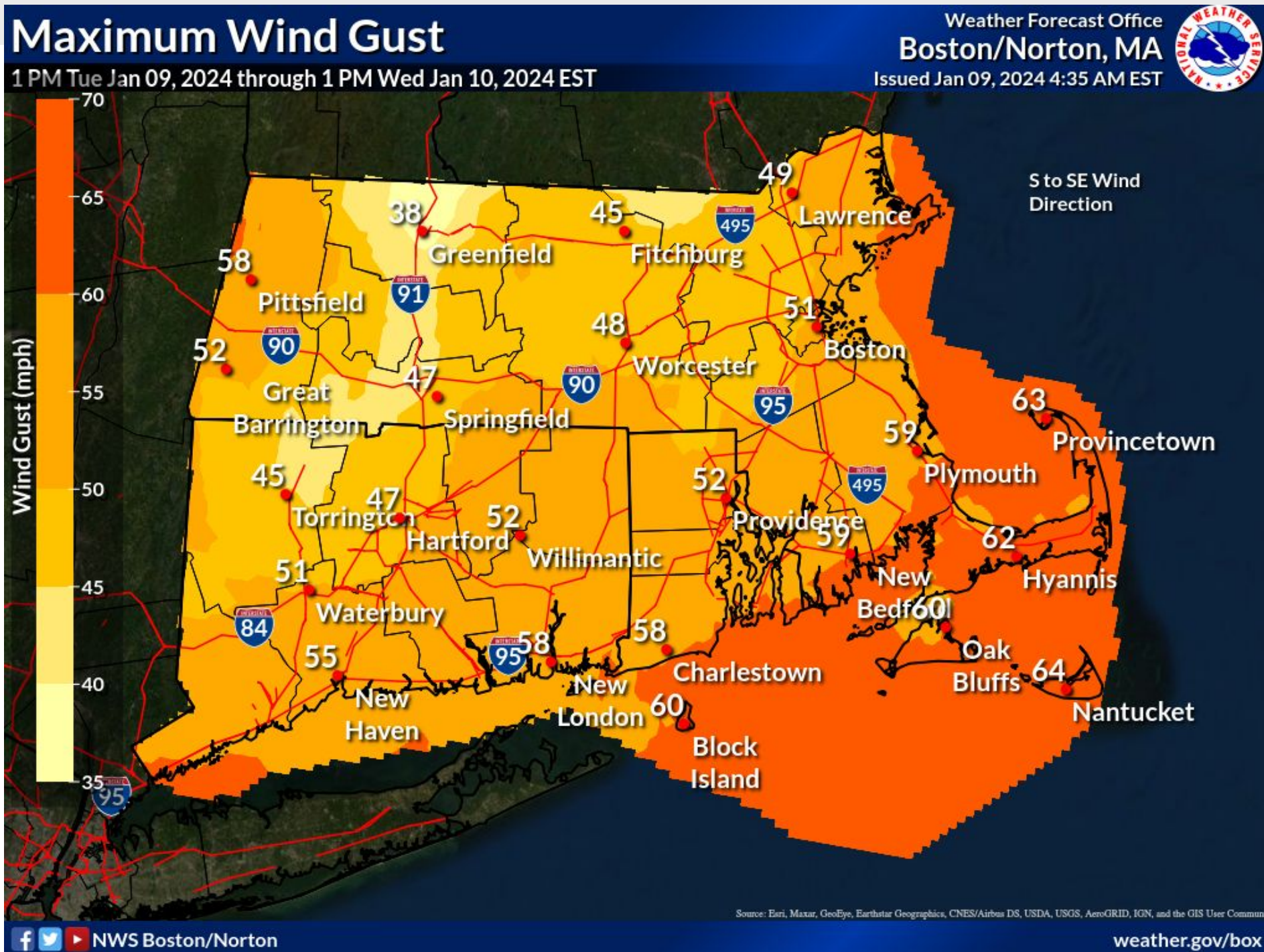
Circles = 30% chance of exceeding level
Squares = 70% chance of exceeding level

Chance of Exceedance		
30%	Level	70%
	Action	
	Minor Flood	
	Moderate Flood	
	Major Flood	
= less than 30% chance of reaching Action level		
= no critical levels defined for this point		





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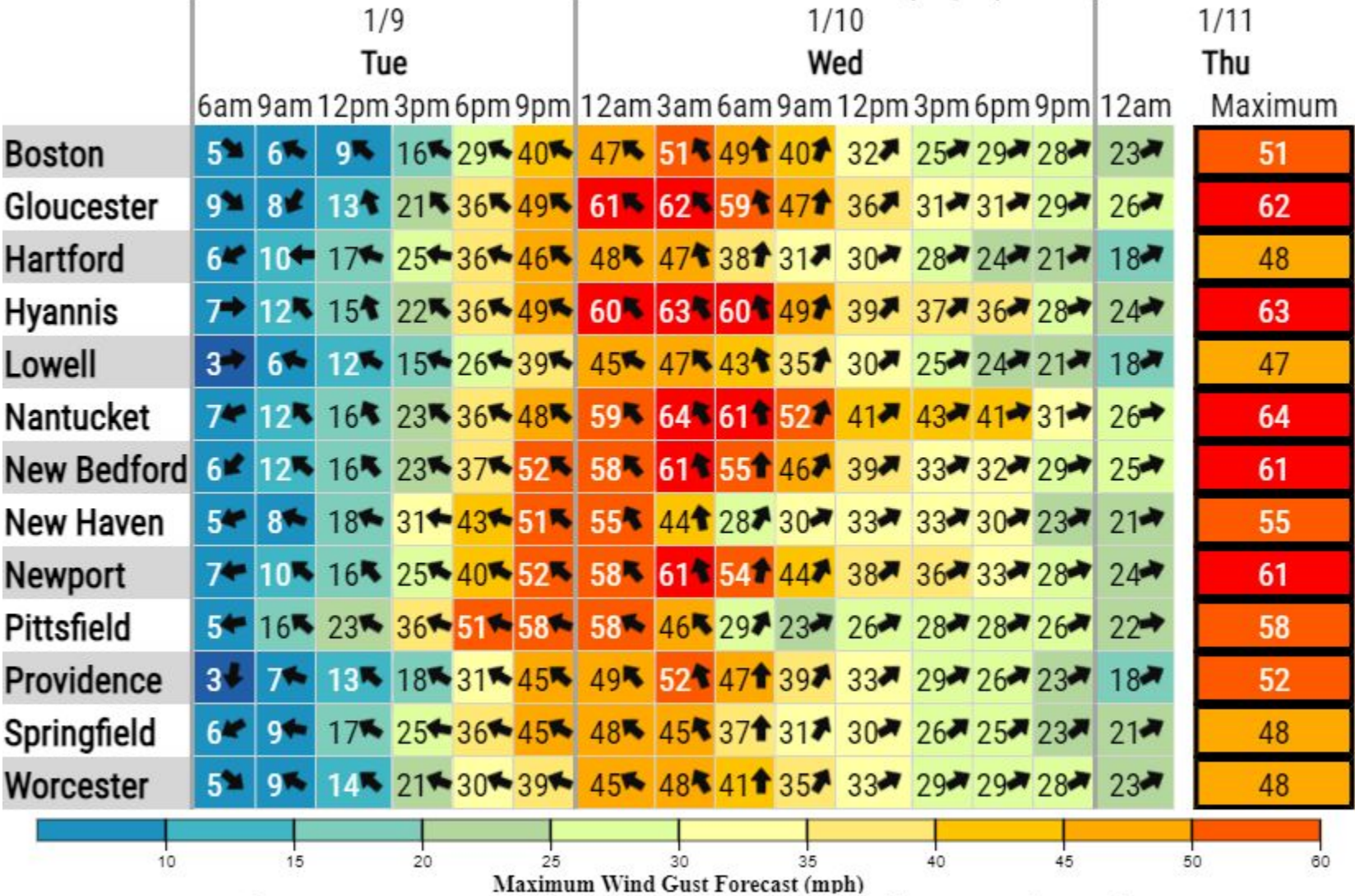




Wind Gust Forecast

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Maximum Wind Gust Forecast (mph)



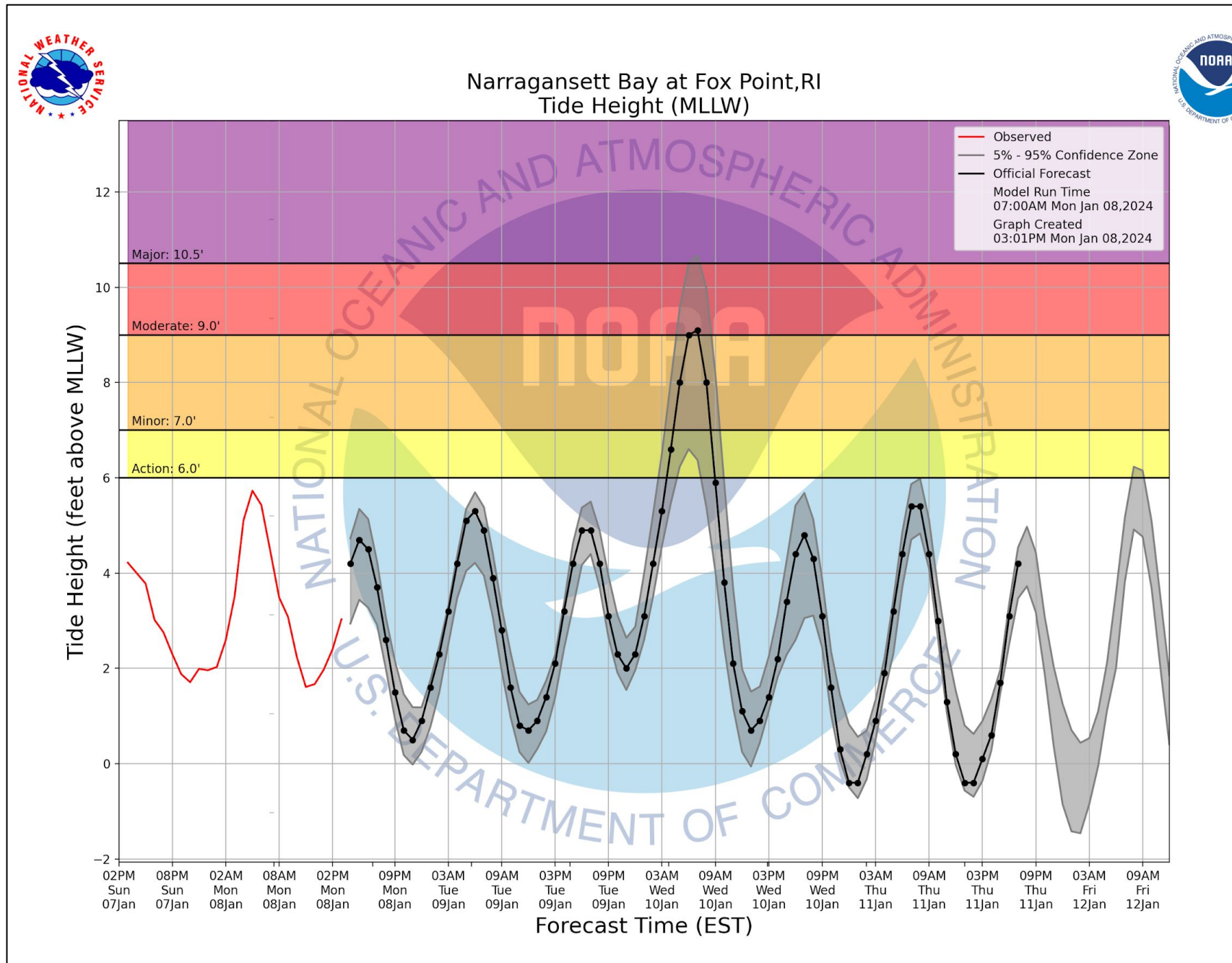
- Strongest wind gusts generally 9 pm Tuesday to 9 am Wednesday
 - Will come from a southeasterly direction
- Breezy (gusts 25-35 mph) southwest winds through the rest of Wednesday





Coastal Flooding

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Minor flooding during Wednesday morning (6 am-8 am) high tide

- Especially south coastal MA/RI and portions of Martha's Vineyard
- Storm surge of 2 to 4 feet expected
- Could be very similar to the December 18th event

Low chance of Moderate flooding on upper end of Narragansett Bay including Providence - timing of highest surge would need to be a few hours later

Significant beach erosion likely again on south facing ocean beaches

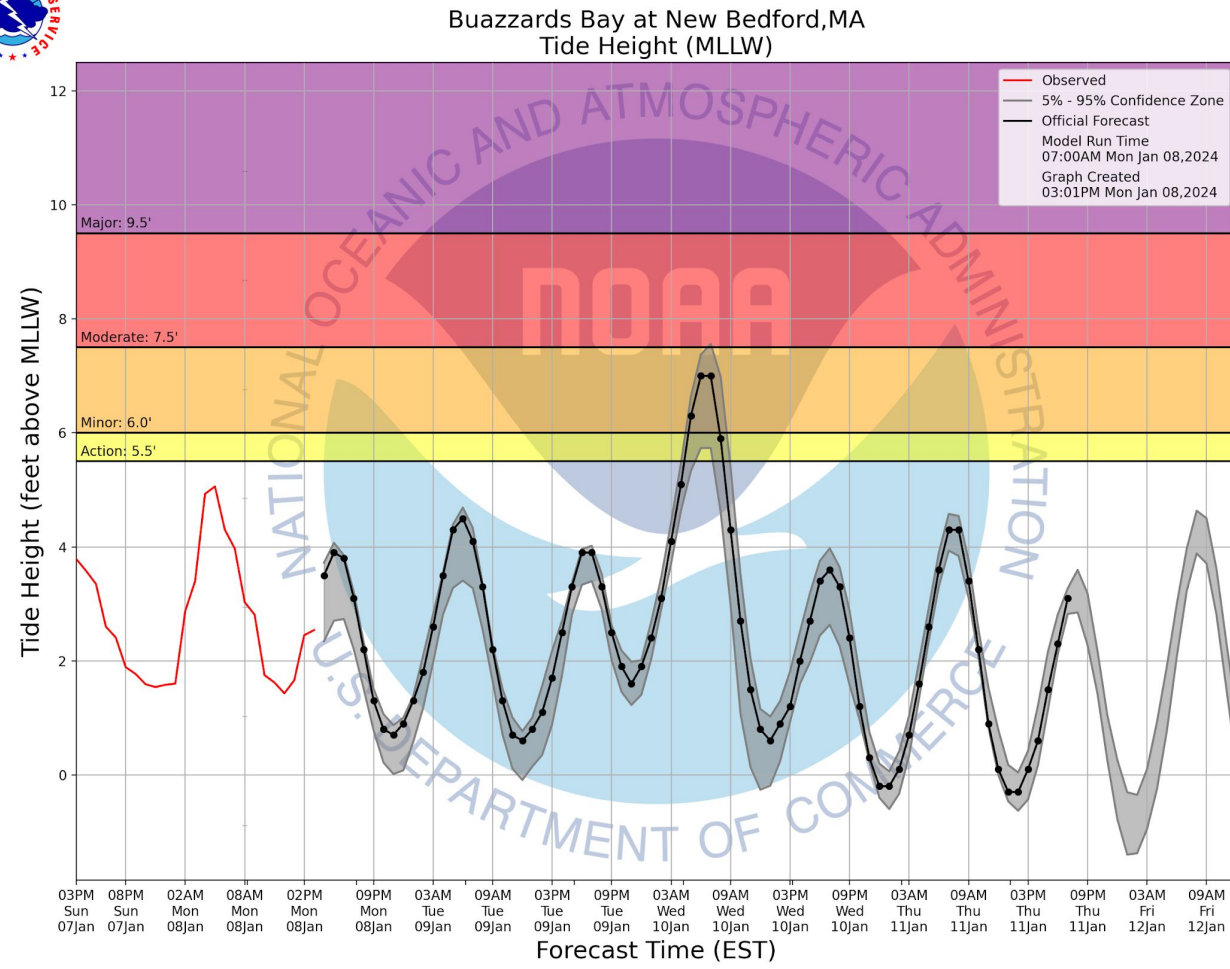




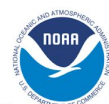
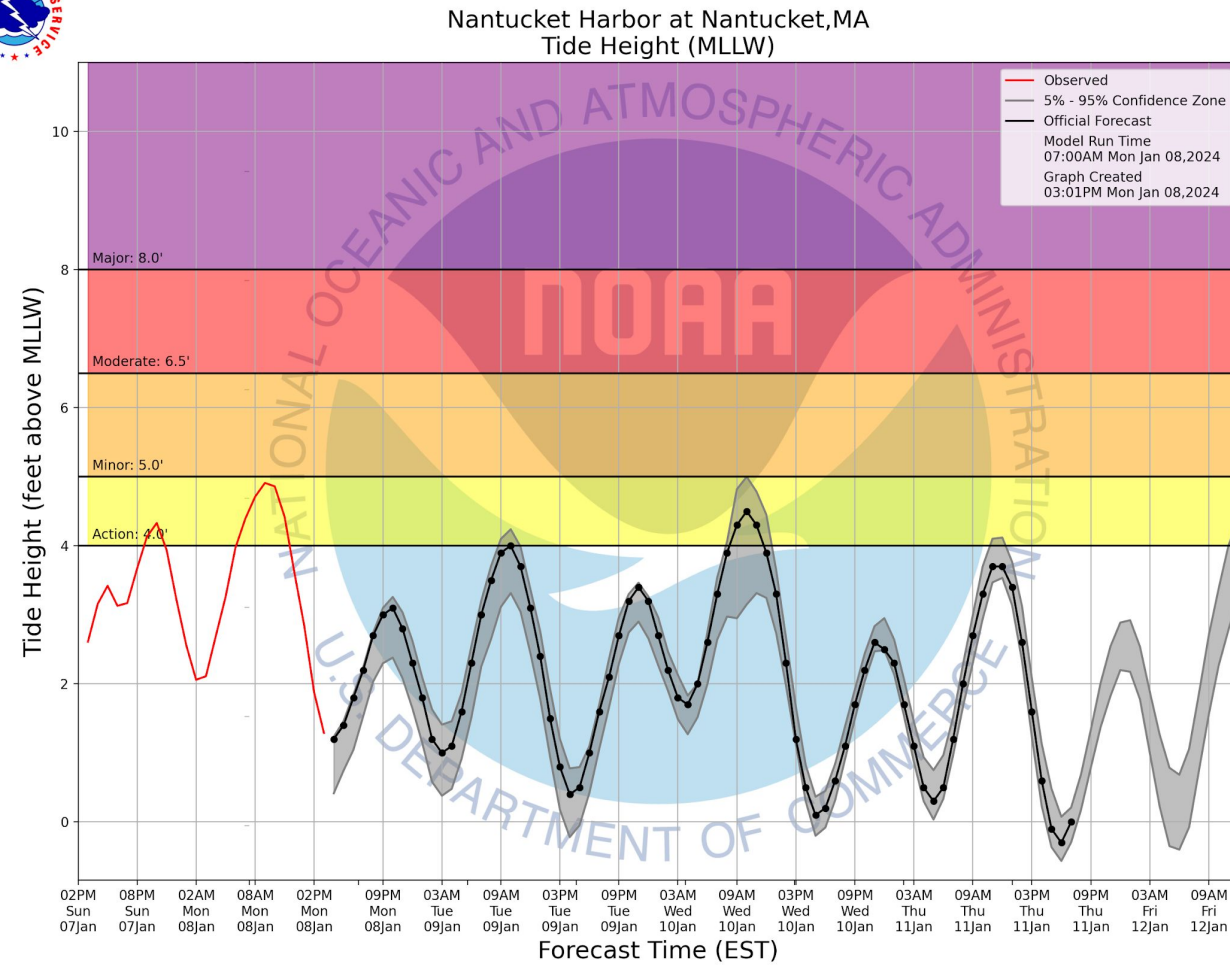
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Buzzards Bay @ New Bedford (expected to reach Minor flood stage)



Nantucket Harbor (expected to stay below flood stage)

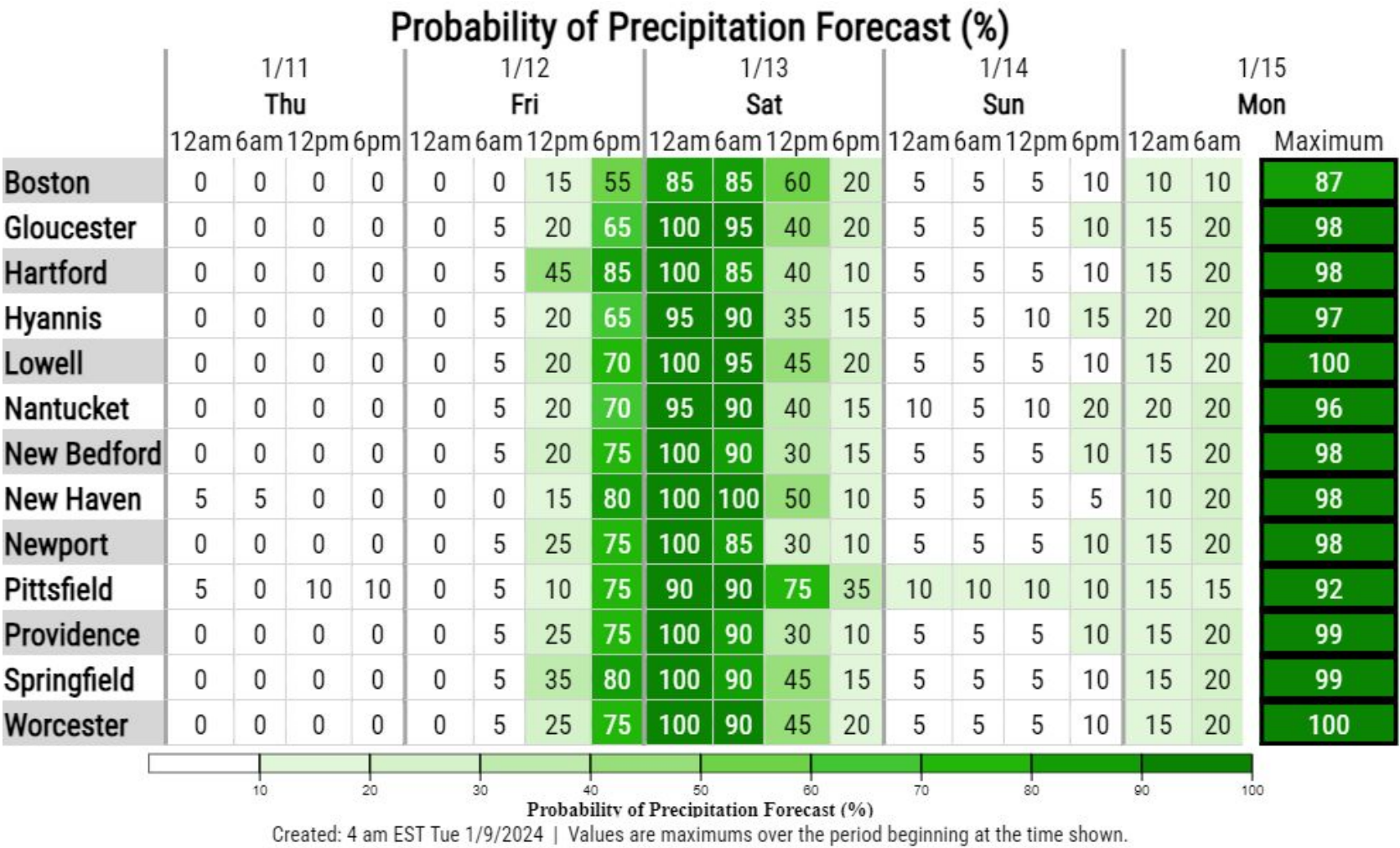




Post Storm Outlook

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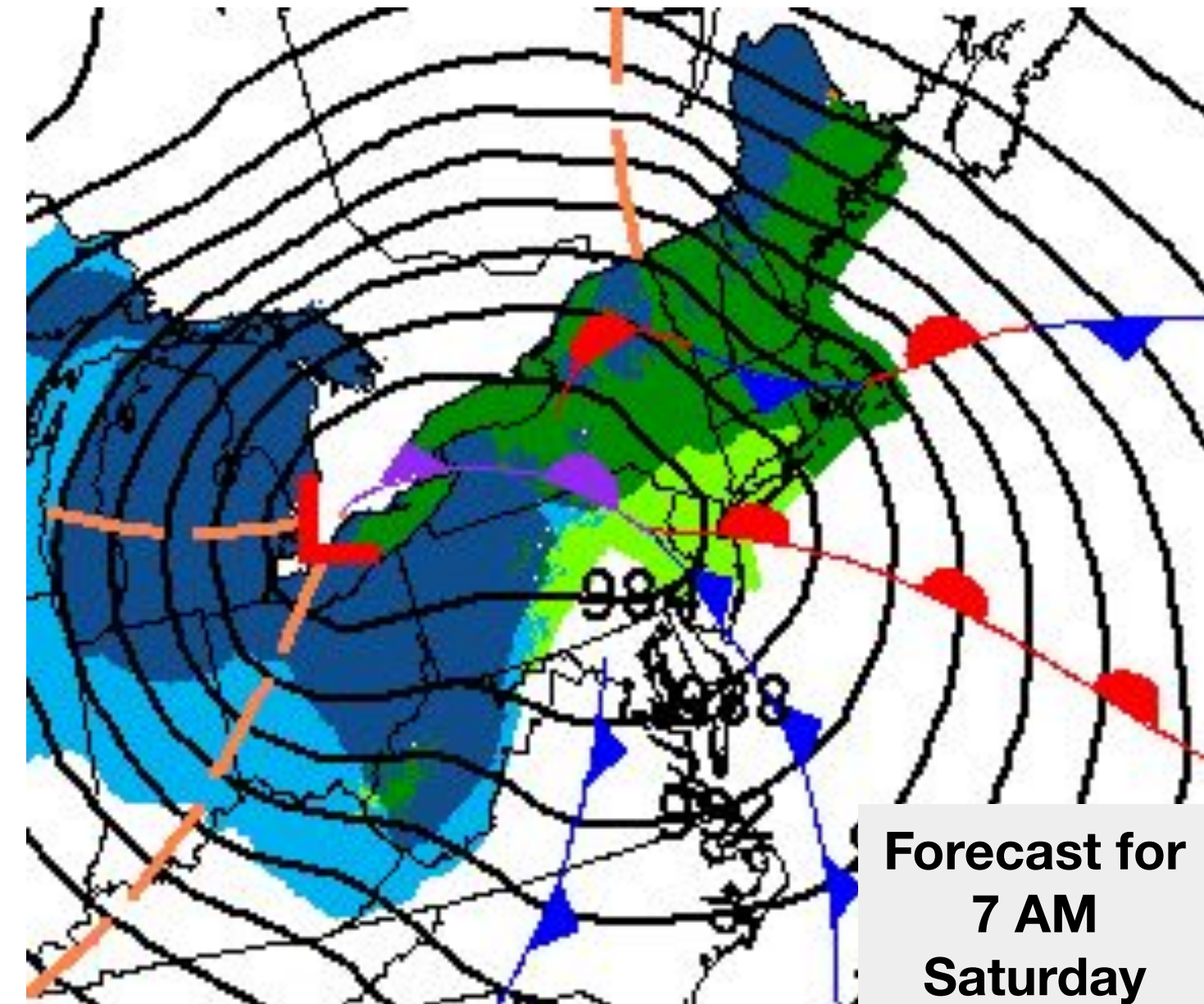
- Dry and quiet weather later on Wednesday through Friday
- A bit breezy late Wednesday through Thursday
- Seasonable temperatures
- Another system takes aim at us late Friday into Saturday





Next Potential Storm: Fri Night - Sat

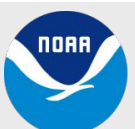
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Another storm is expected to track to our west Saturday

This would be another “warm” storm with potential for:

- Flooding Rain
- Strong / Possibly Damaging Winds
- Minor Coastal Flooding (south coast)





Contact and Next Briefing Information

January 9, 2024
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For NWS Boston/Norton County Warning Area



Briefing Webpage

→ <https://www.weather.gov/box/emhome>



Next Briefing

→ By 6 PM, Tuesday
→ Method: Email



Disclaimer

→ Information contained in this briefing is time-sensitive
→ Do Not Use After: 6 PM, Tuesday January 9th



Contact Information

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