



# Weather Briefing

For Southern New England

January 9, 2024

6:47 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  
5:30 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
<b>Damaging Wind</b> 	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
<b>Flooding/ Rainfall</b> 	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
<b>Marine</b> 	Dangerous sea conditions for vessels	All waters	Tonight into Wednesday AM
<b>Coastal Flooding</b> 	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
- Winter Weather Advisory
- Coastal Flood Advisory
- 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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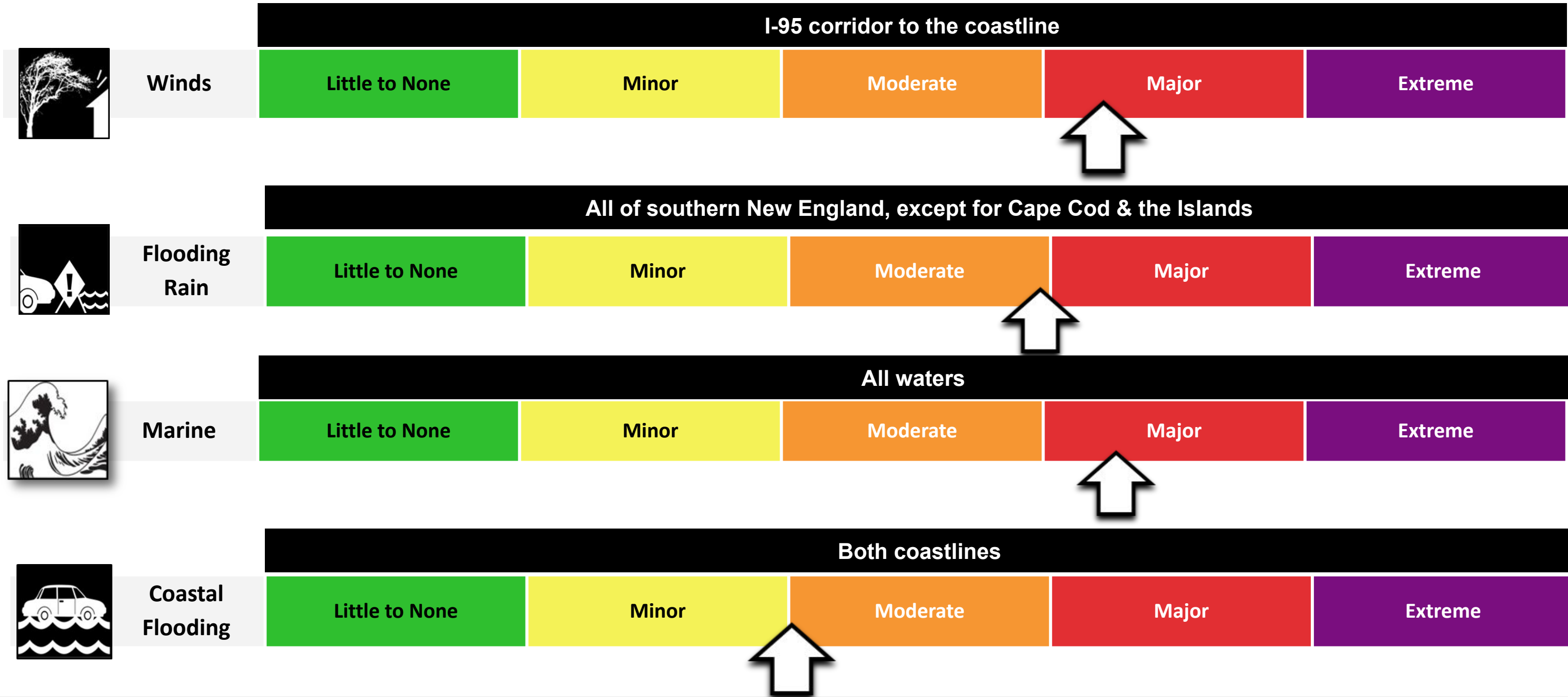
National  
Weather  
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n, MA



# Summary of Greatest Impacts

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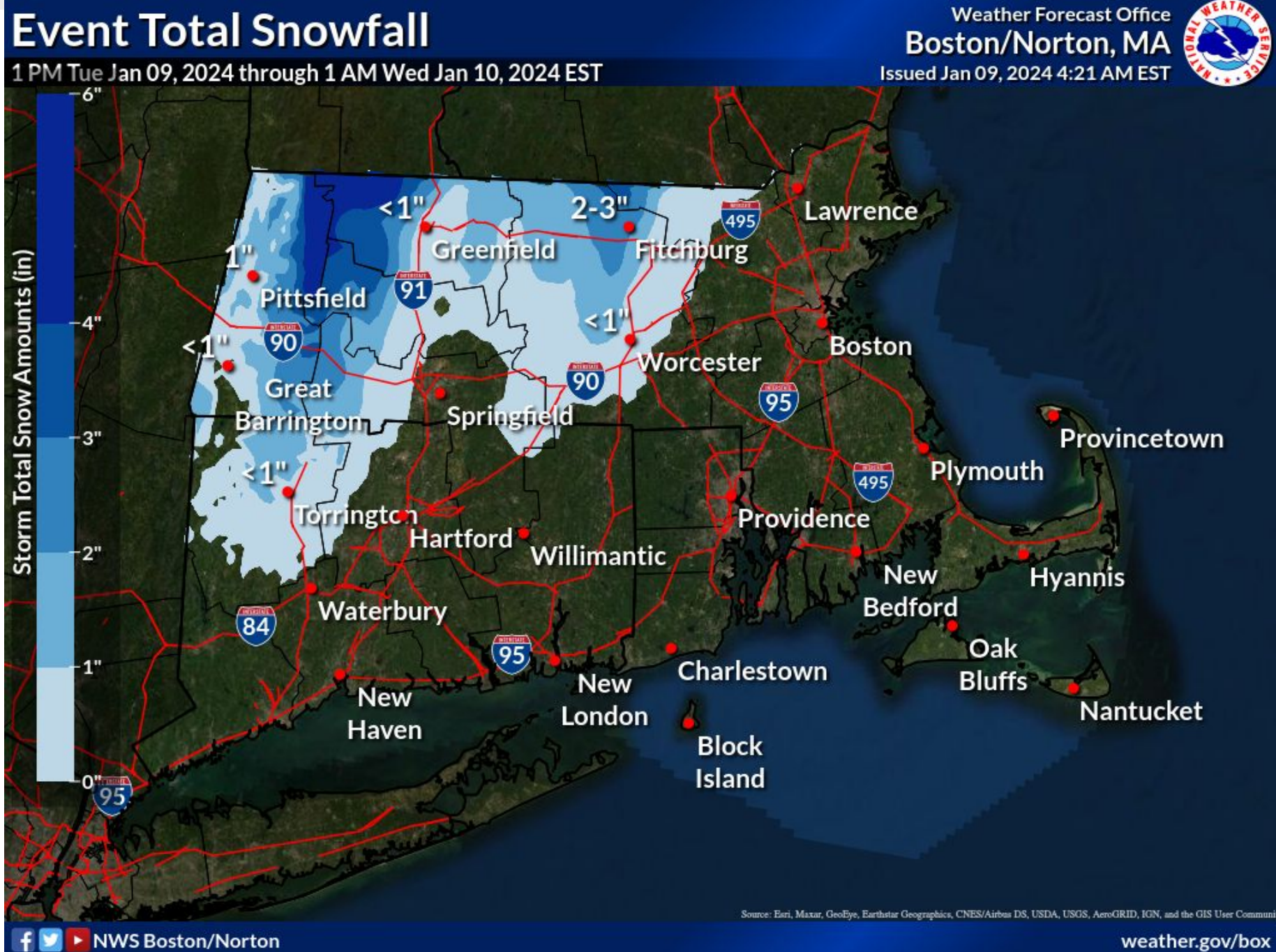






# Expected Snowfall Forecast

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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

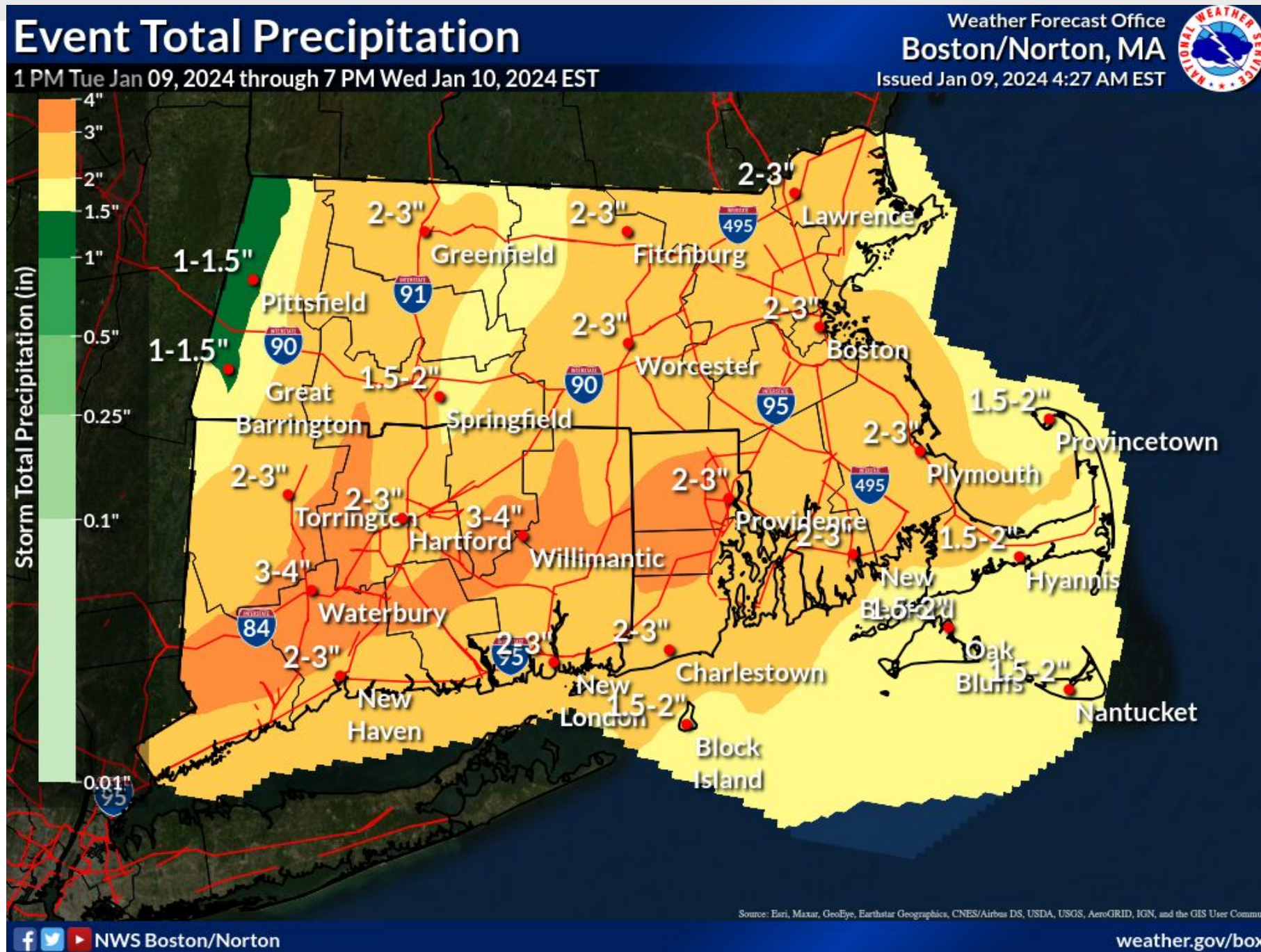






# Expected Rainfall Forecast

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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

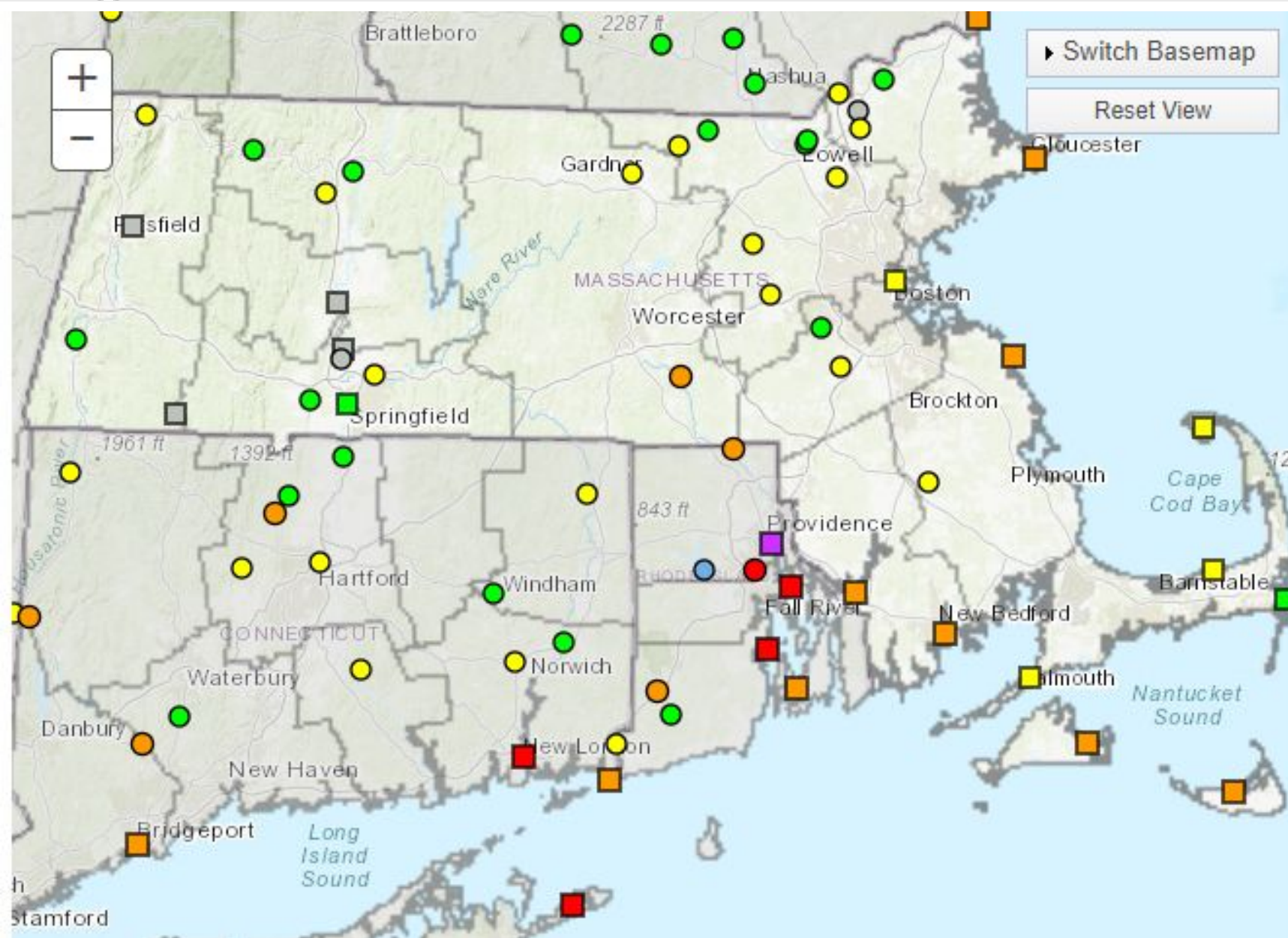






# River Flood Outlook

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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		

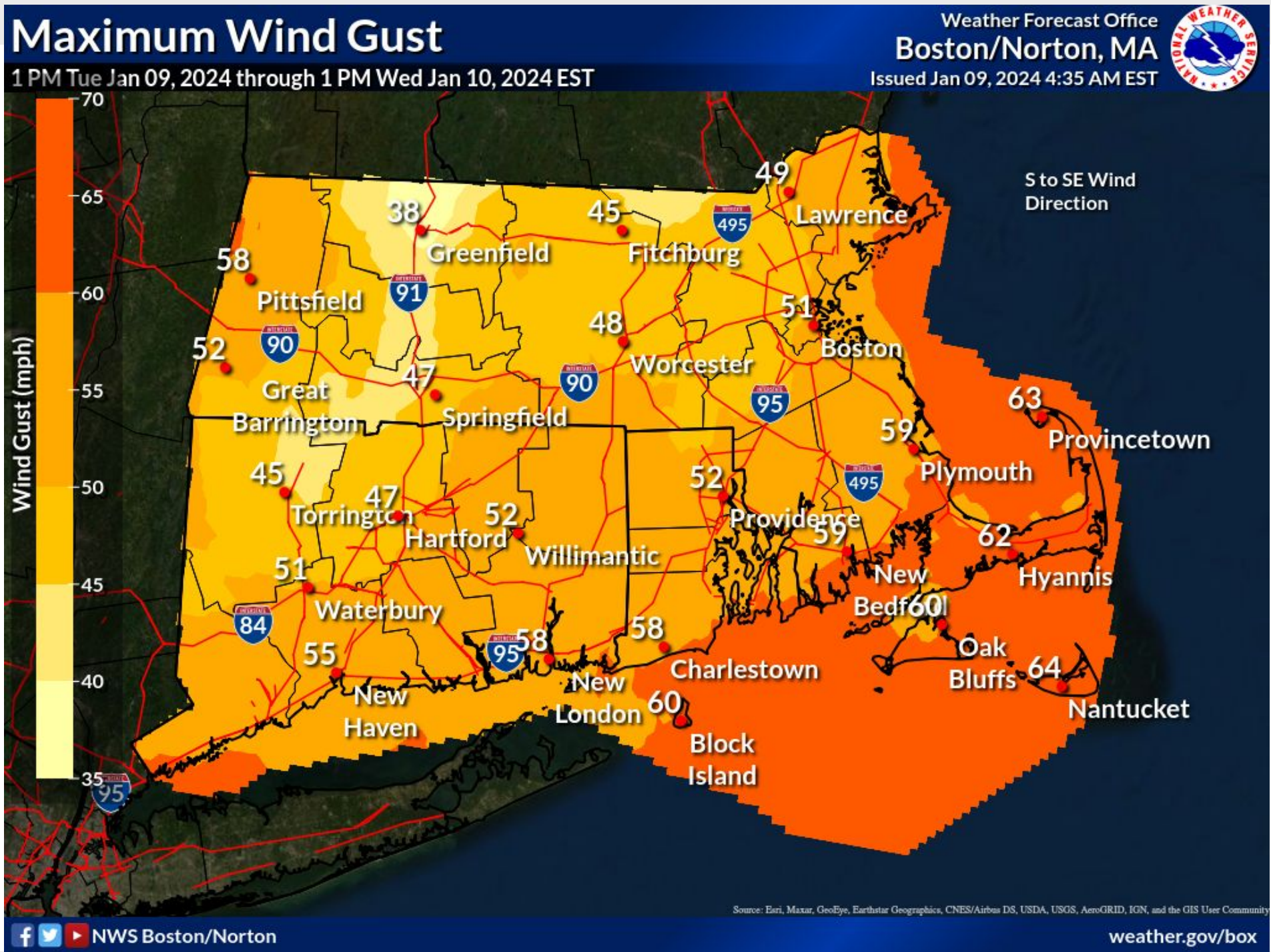






# Maximum Wind Gust Forecast

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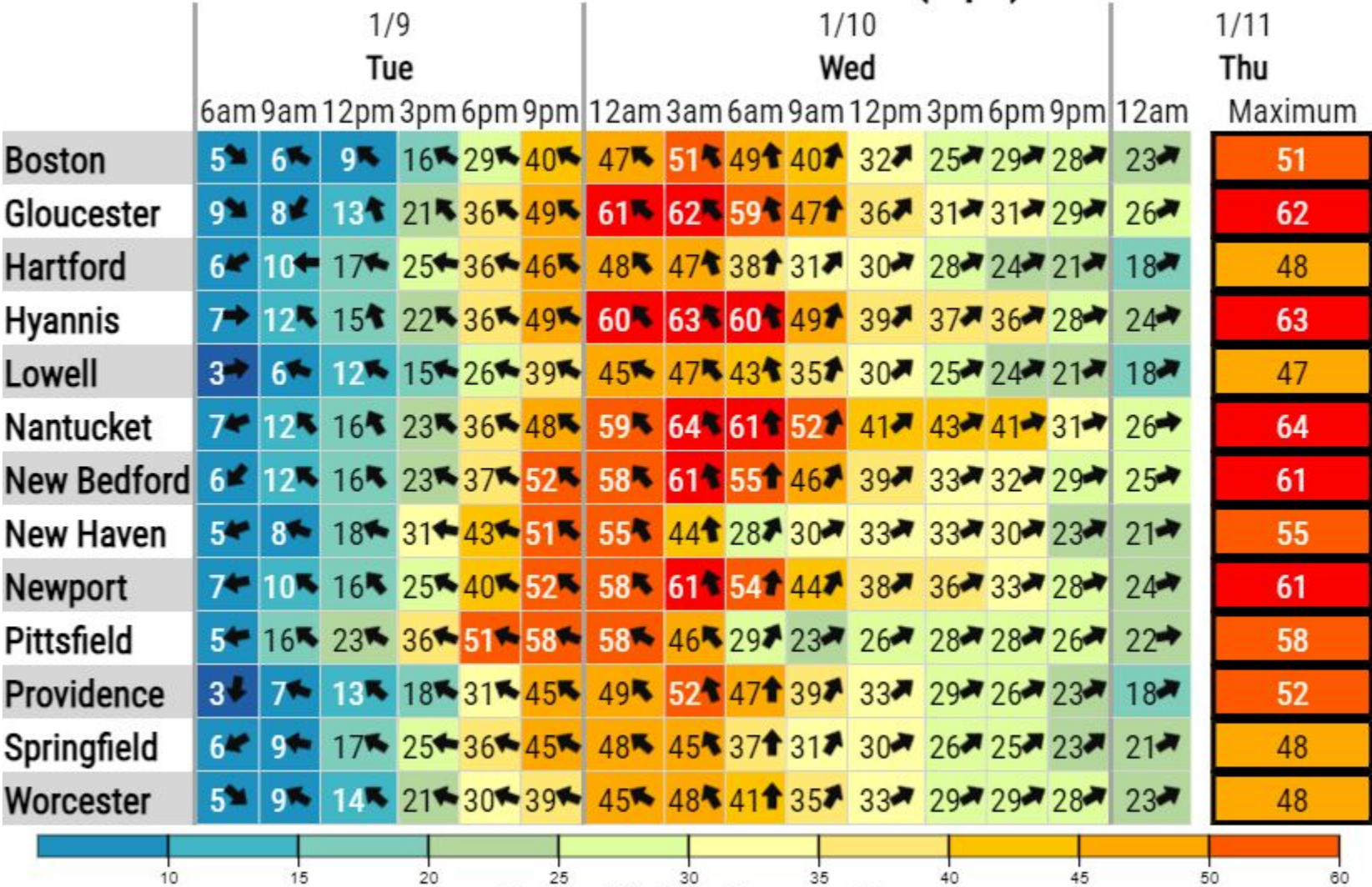




# Wind Gust Forecast

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## Maximum Wind Gust Forecast (mph)



Created: 4 am EST Tue 1/9/2024 | Values are maximums over the period beginning at the time shown.

- 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

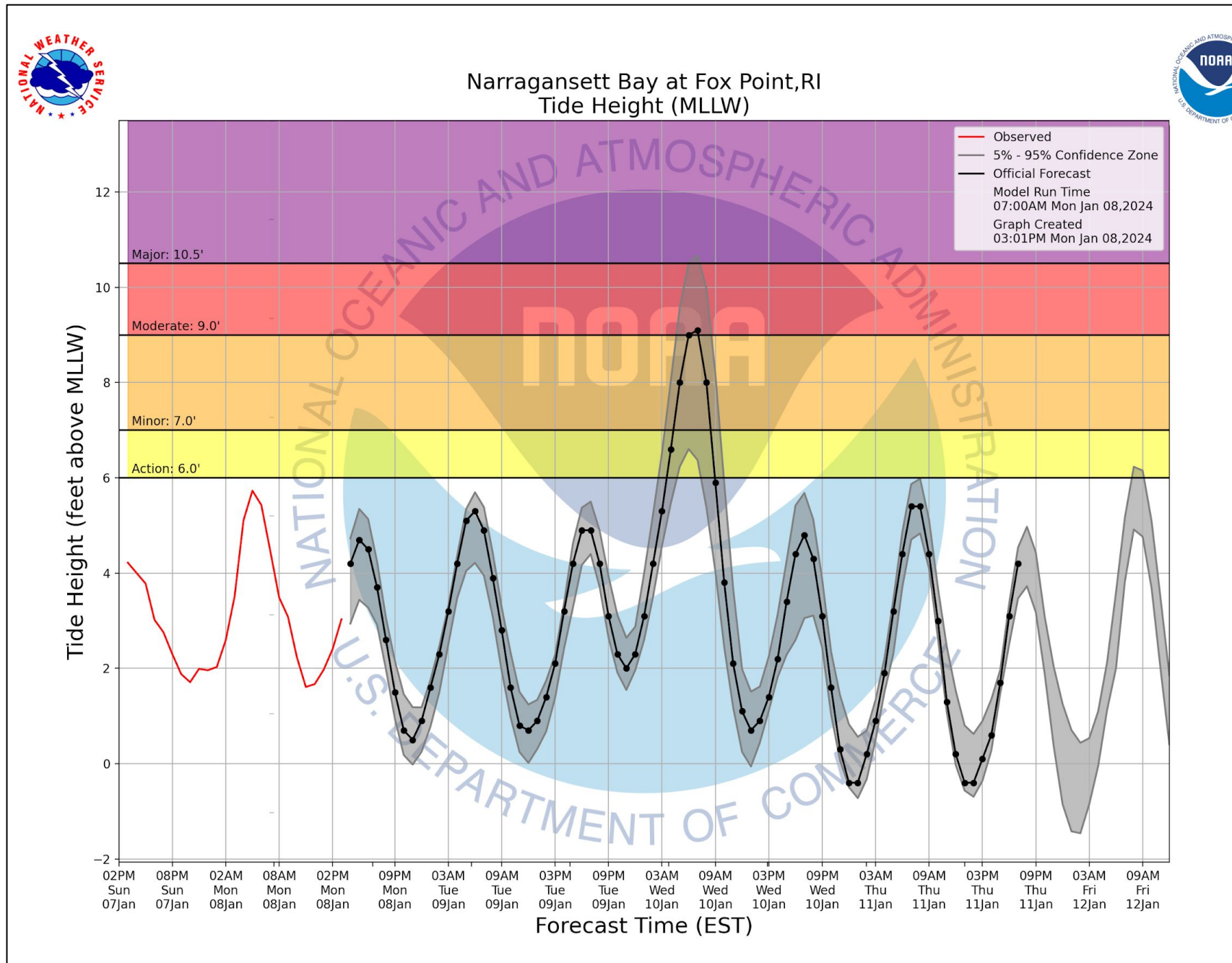






# Coastal Flooding

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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



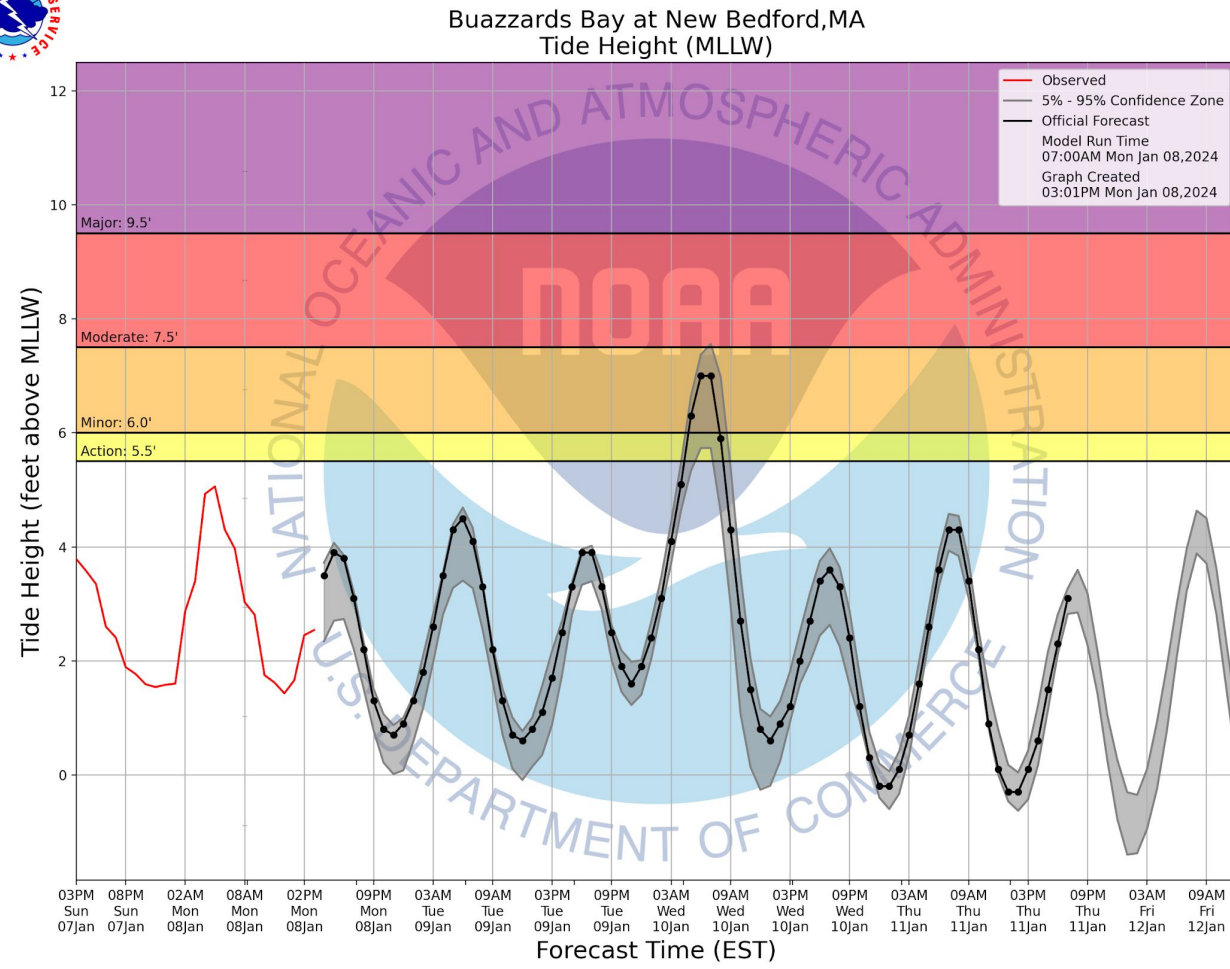




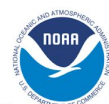
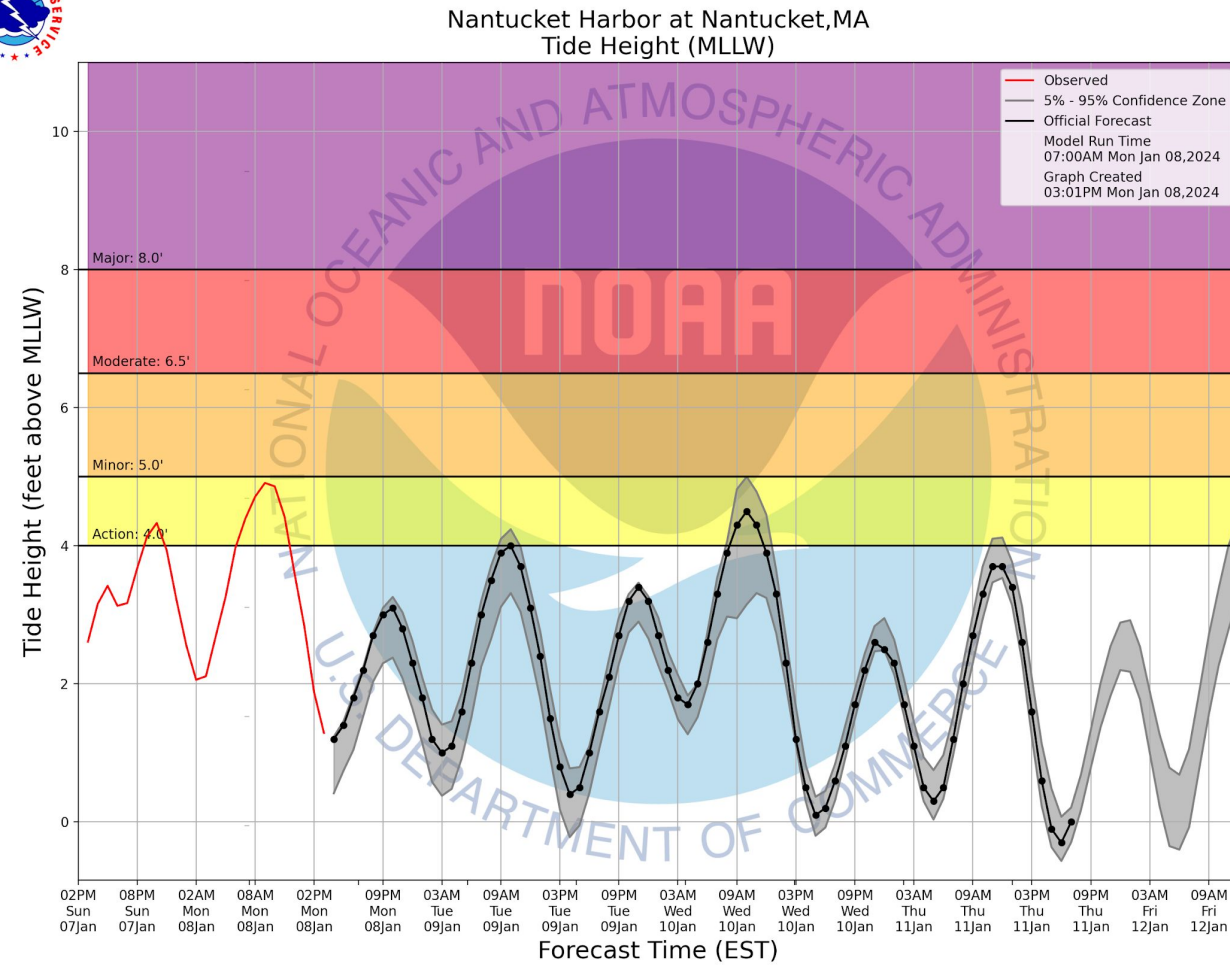
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## Buzzards Bay @ New Bedford (expected to reach Minor flood stage)



## Nantucket Harbor (expected to stay below flood stage)



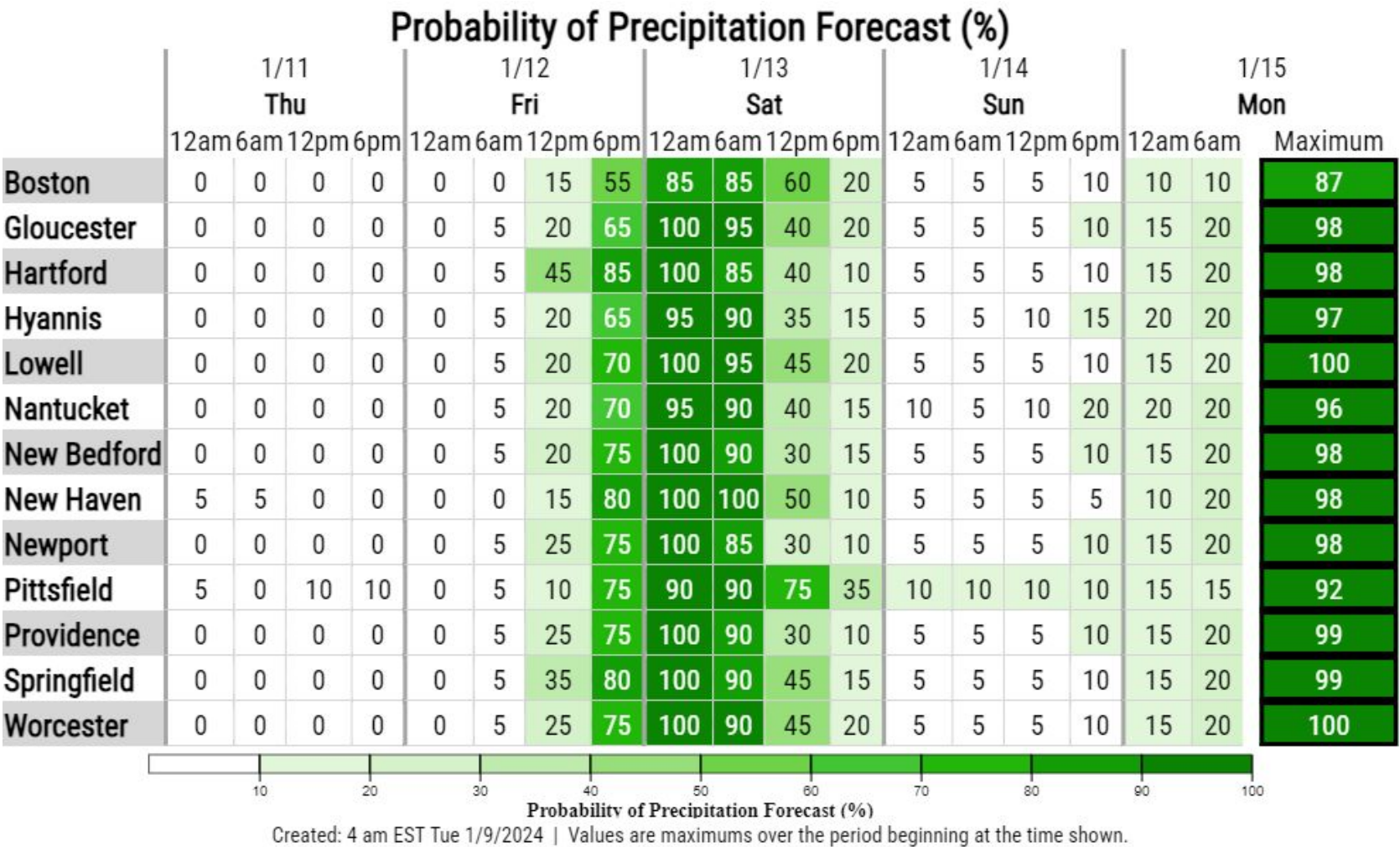




# Post Storm Outlook

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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

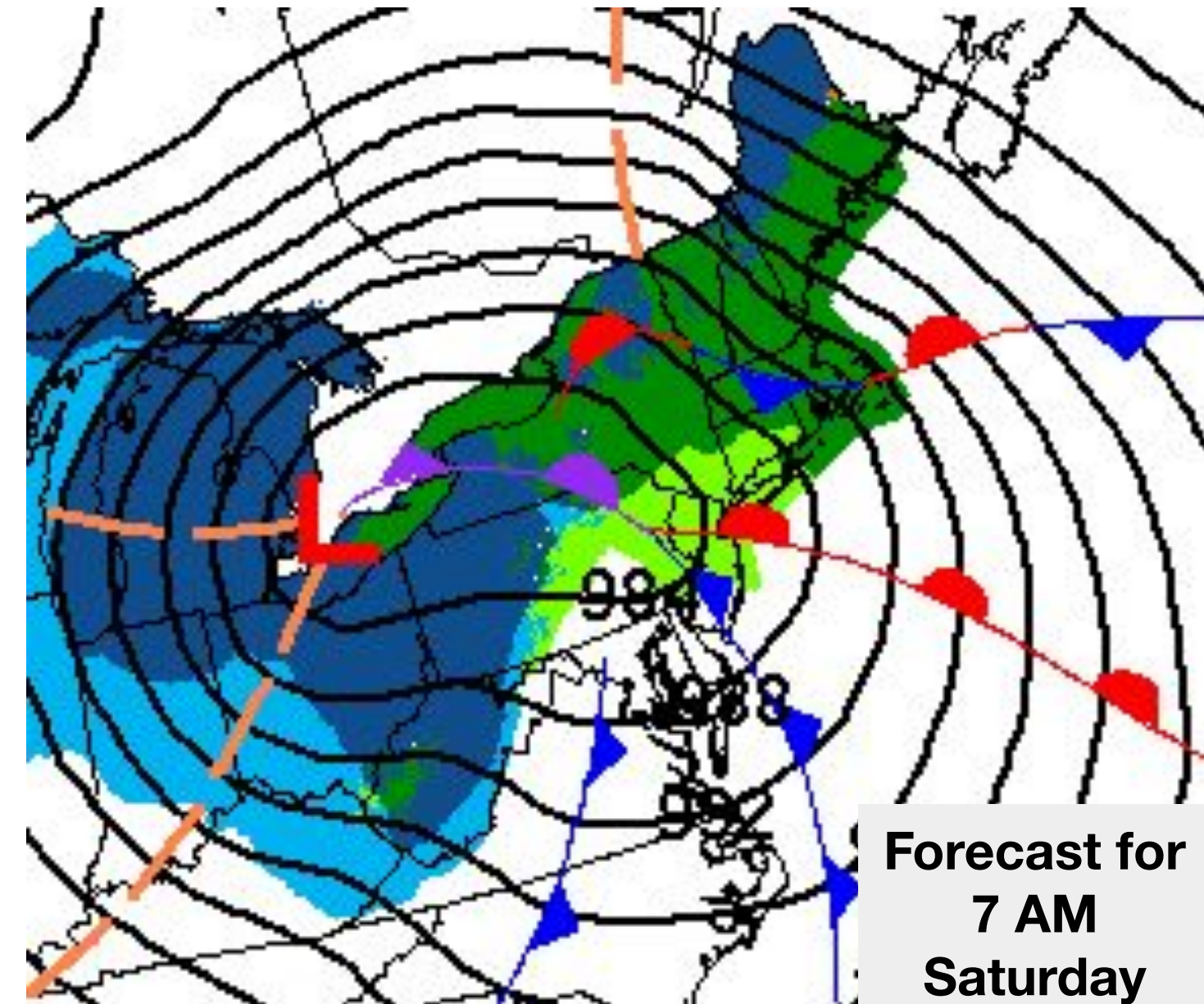






# Next Potential Storm: Fri Night - Sat

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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

### Web

→ [weather.gov/box](https://www.weather.gov/box)

### Phone

→ (508) 622-3250

### Email

→ [box.operations@noaa.gov](mailto:box.operations@noaa.gov)

### Facebook

→ [www.facebook.com/NWSBoston](https://www.facebook.com/NWSBoston)

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