



# Weather Briefing

For Southern New England

January 9, 2024

3:44 PM

## Decision Support Briefing #4

→ As of 330 PM Tuesday, January 9th 2024

NEW

### Important Updates

- Coastal Flood Warning issued for the RI coast and Martha's Vineyard.
- Coastal Flood Advisories along the rest of the MA coastline.

## Hazards

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



Graphic Created  
January 9th, 2024  
1:15 PM CST







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

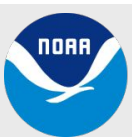
National Weather Service  
Boston / Norton, MA



# Main Points

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Hazard	Impacts	Location	Timing
<b>Damaging Wind</b> 	Potential for downed trees/power lines & power outages Hazardous travel	Greatest impacts I-95 corridor to the coastline (including the Cape & Islands)	Strongest Winds between 1 and 7 AM Wednesday morning.
<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 Early Wednesday AM. River flooding 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	Main impacts will be on the south coast with minor impacts possible on the eastern MA coast.	Wednesday AM High Tide roughly between 4 and 10 am Wednesday morning.







# 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



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## Marine / Coastal Hazards

- Storm Warning
- Coastal Flood Warning
- Coastal Flood Advisory



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## Wind Related Hazards

- High Wind Warning
- Wind Advisory



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## Flooding Hazards

- Flood Watch



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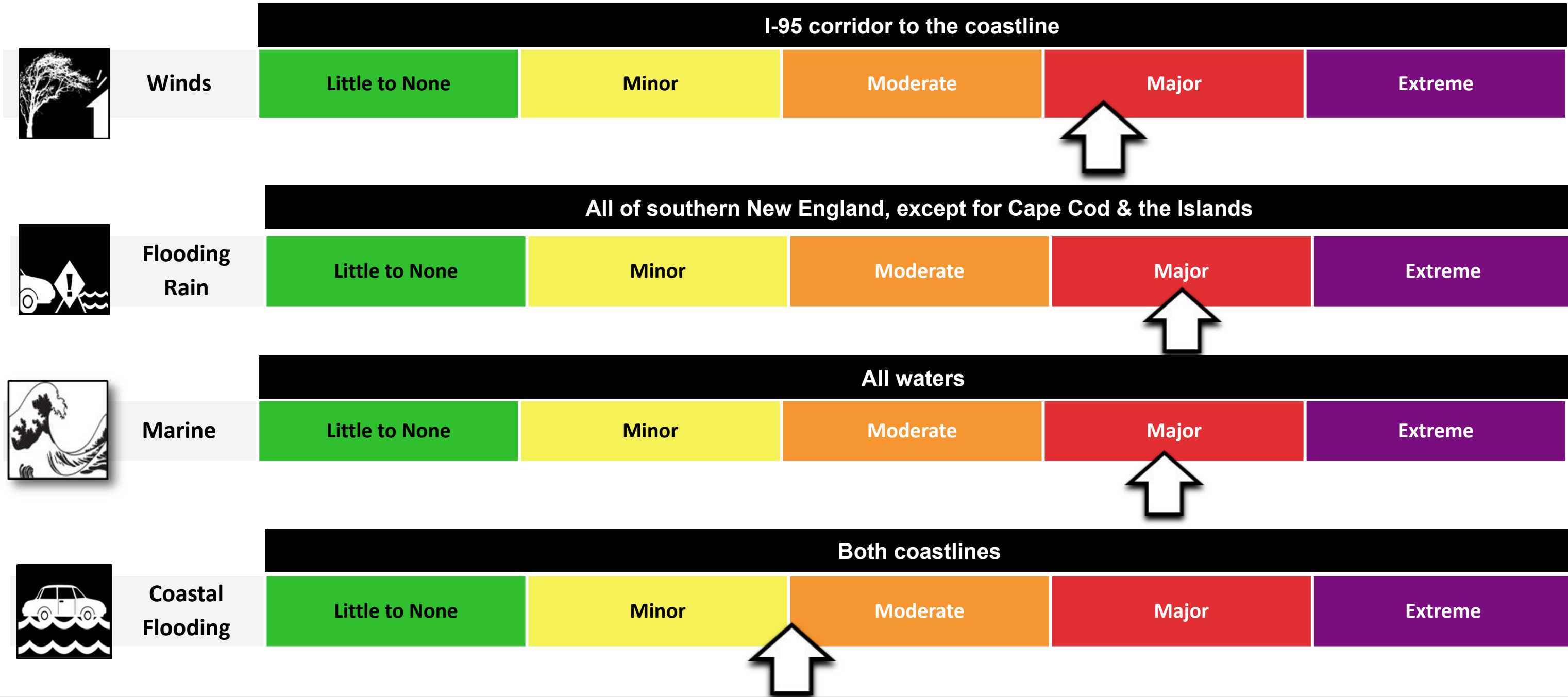
National  
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n, MA



# Summary of Greatest Impacts

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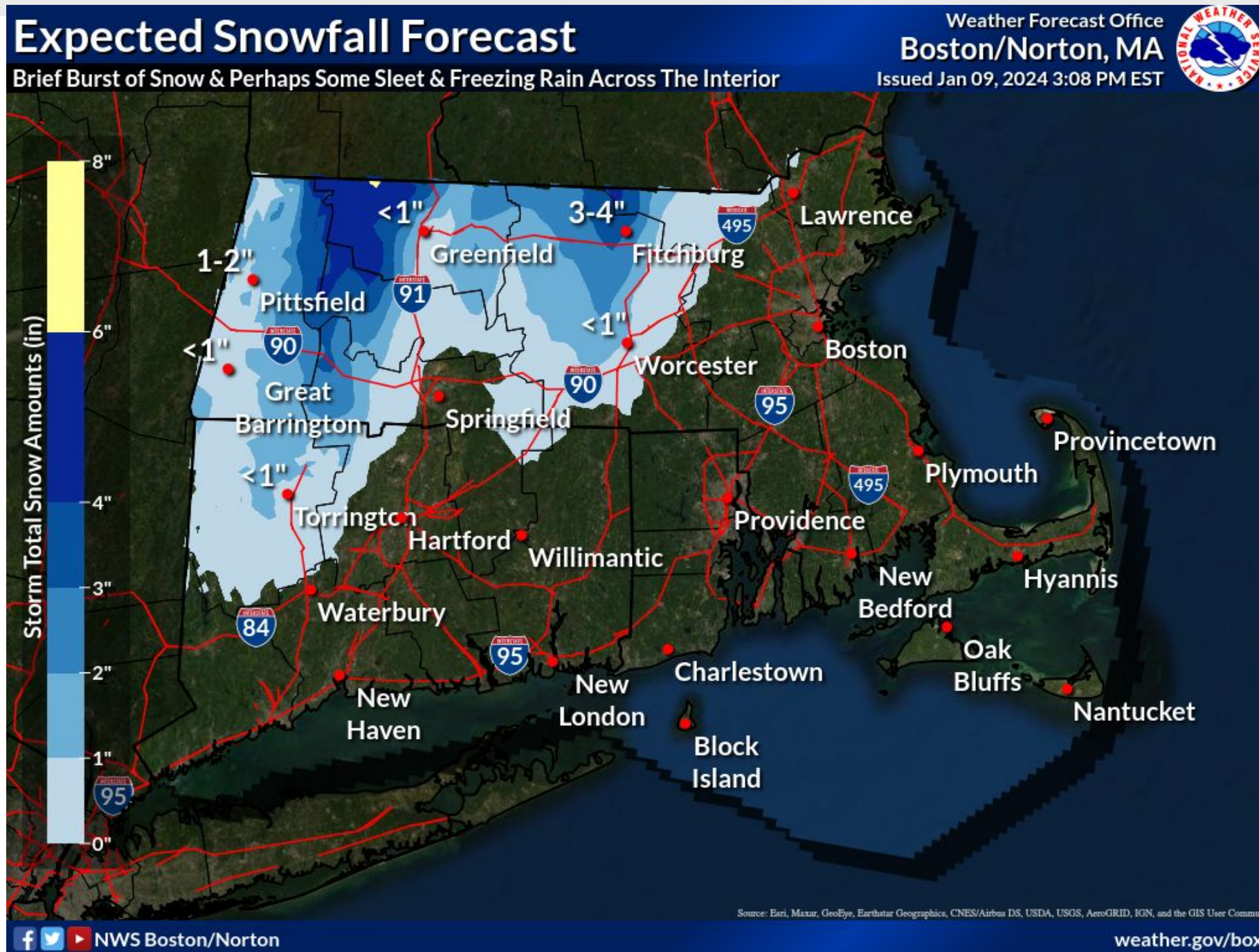






# Expected Snowfall Forecast

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- A brief burst of snow & perhaps pockets of sleet and freezing rain impact interior southern New England during the afternoon commute.
- Snow covered roadways for the evening commute in the Worcester Hills and Berkshires.
- Snow changing to all rain by mid to late evening.

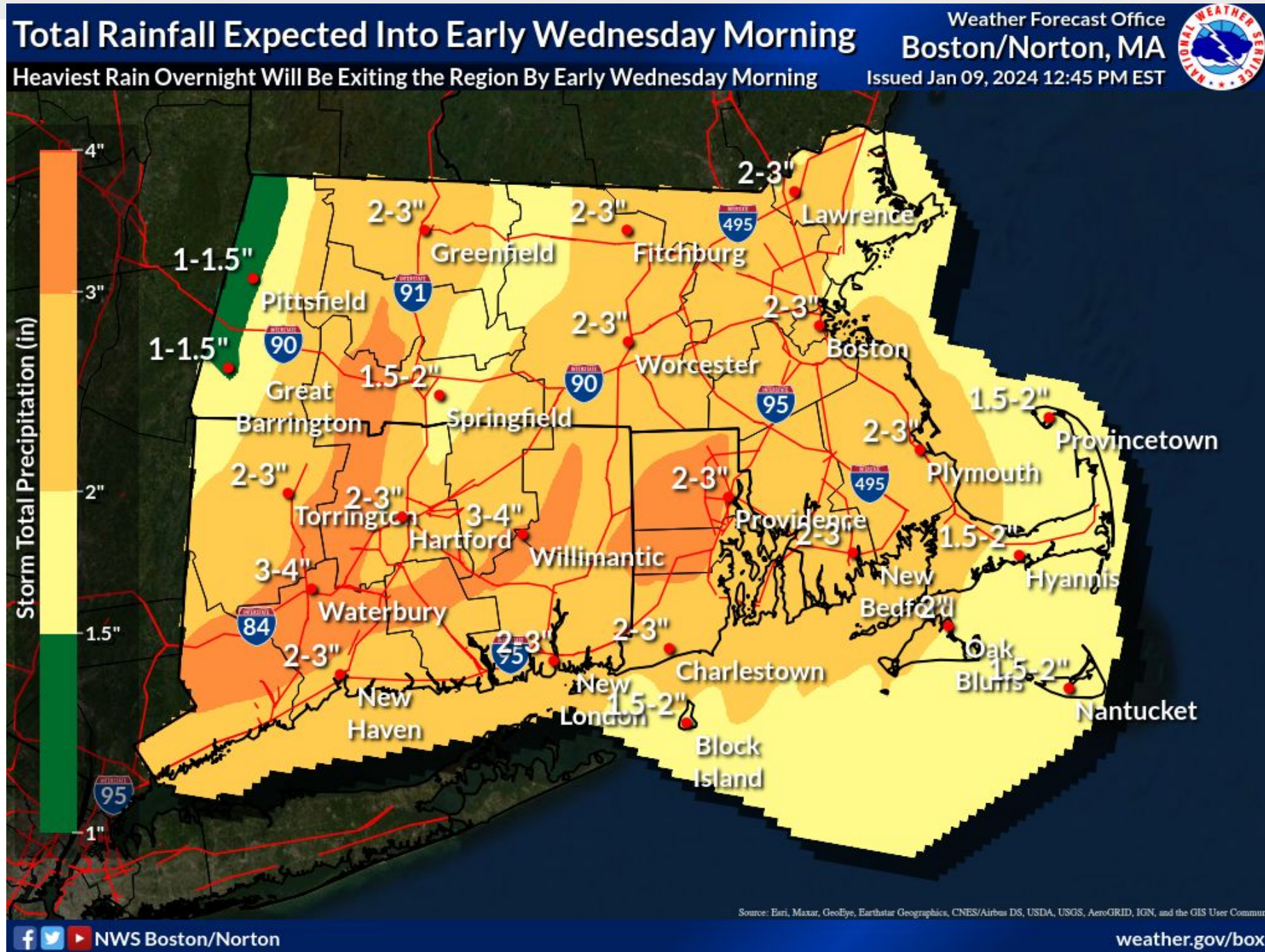






# Expected Rainfall Forecast

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- Rain into early Wednesday morning.
- Heaviest during the overnight hours
- Snow/Ice clogged drainage will exacerbate roadway flooding.
- River & Stream Flooding Expected

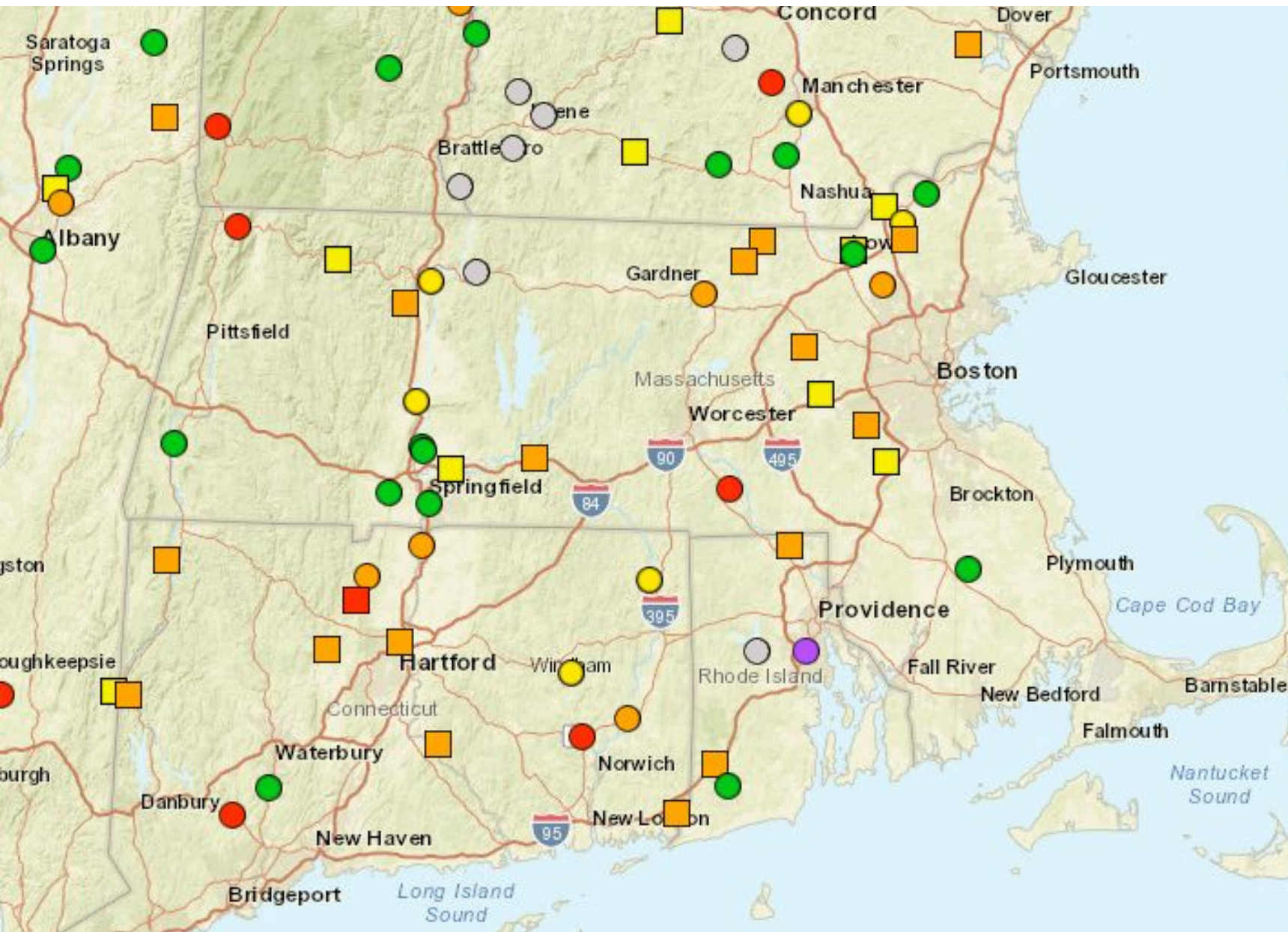






# River Flood Outlook

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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

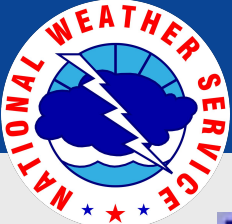
Uncertainty until rainfall and snowmelt  
amounts are known

**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		

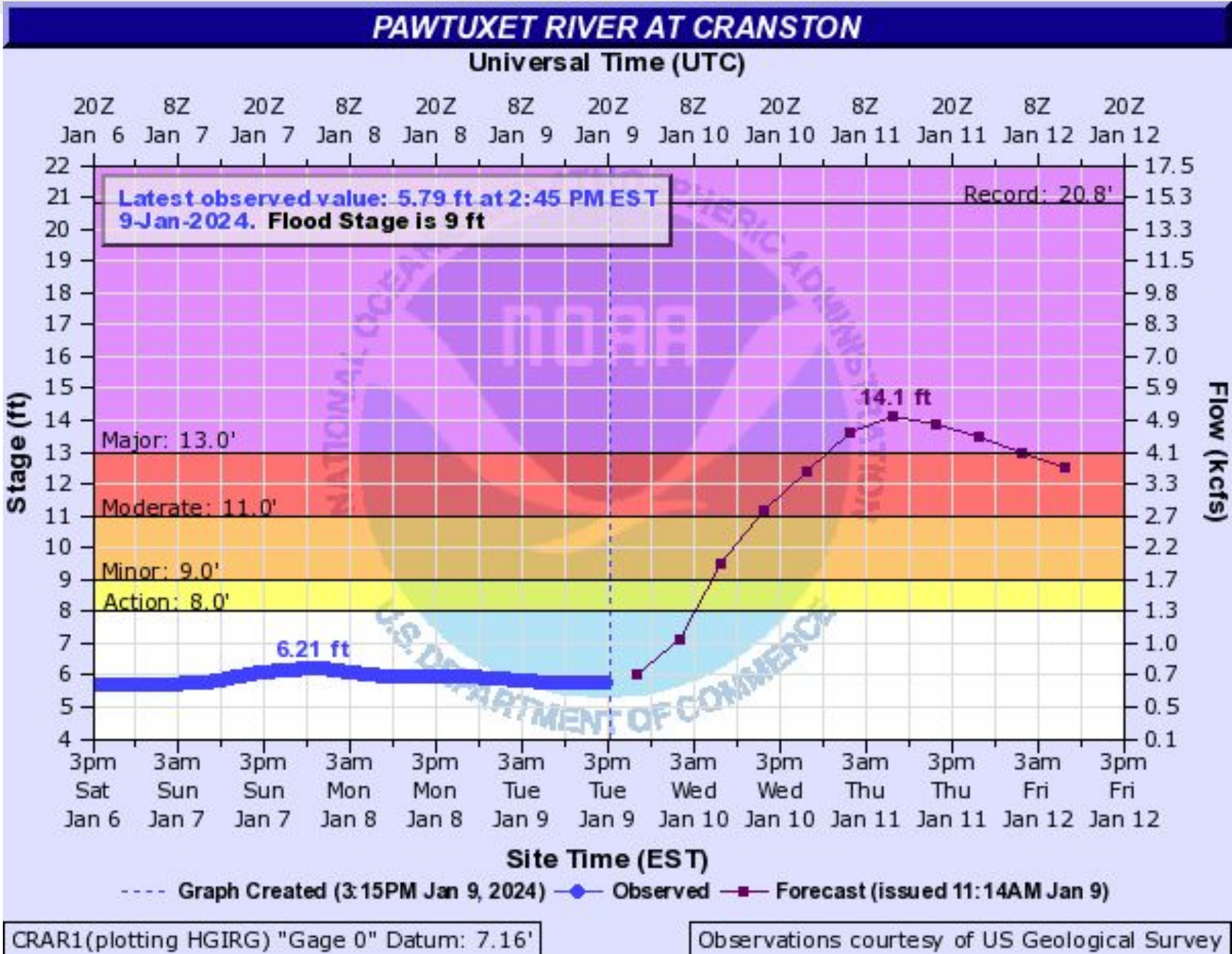






# Pawtuxet River at Cranston

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- Pawtuxet River at Cranston is expected to rise above flood stage Wednesday morning.
- The River is expected crest in major flood at a stage of 14.1 feet Wednesday night or early Thursday morning.
- Please visit [Advanced Hydrologic Prediction Center](#) for more specific information on impacts at those levels. Just scroll down to the bottom and you can see the impacts at different levels above flood stage.

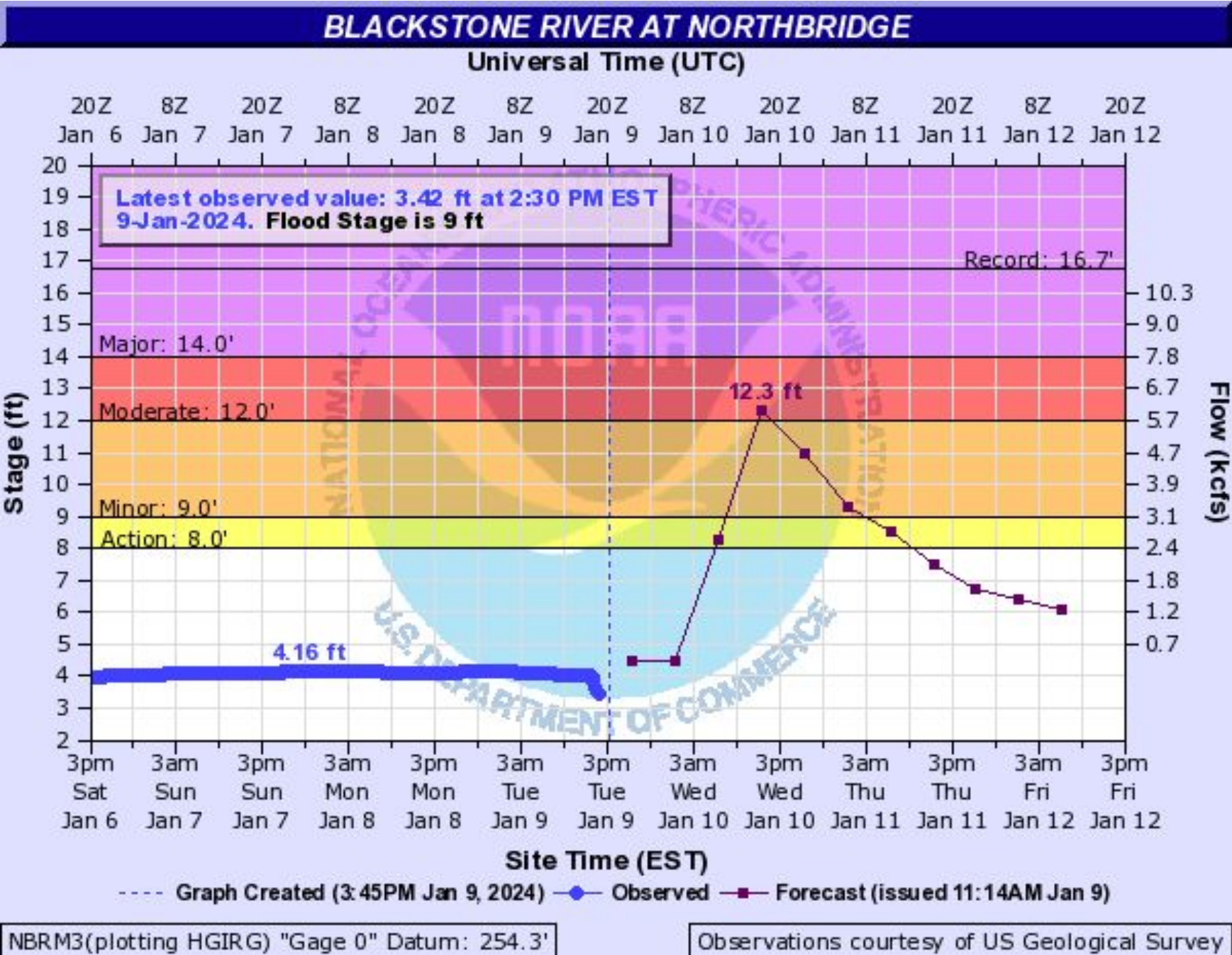






# Blackstone River at Northbridge

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- Blackstone River at Northbridge is expected to quickly rise above flood stage Wednesday morning
- Crest is expected in the early afternoon at 12.3 feet (moderate flood stage)
- At 11 feet, flooding is expected from Northbridge through Uxbridge and Millville. Flooding will affect some homes and businesses along the river in these towns.
- If the river reaches 13 feet, flooding become more serious

Full information available [at this link](#)

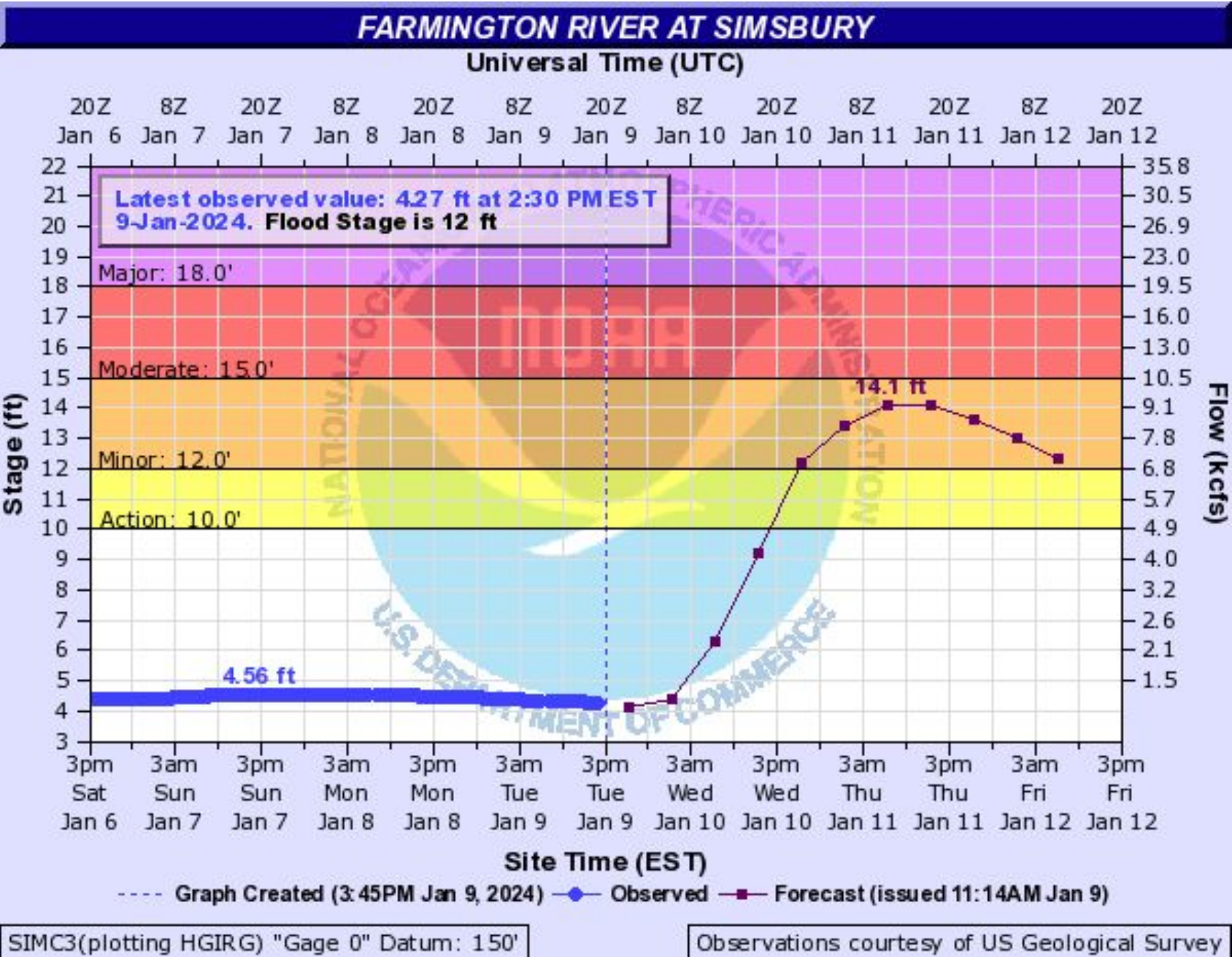






# Farmington River at Simsbury

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- Farmington River at Simsbury is expected to reach flood stage Wednesday mid-afternoon
  - Crest is expected in Thursday morning around 14.1 ft
  - At 13 feet, flooding affects Old Farms and Tillotson Roads in Avon, Meadow Road in Farmington, and Nod, Riverside, and Terrys Plain Roads in Simsbury. Route 315 in Simsbury is also impacted.
  - If the river reaches 15 feet (moderate flood stage), flooding become more serious in Avon, Simsbury, Bloomfield and East Granby
- Full information available [at this link](#)

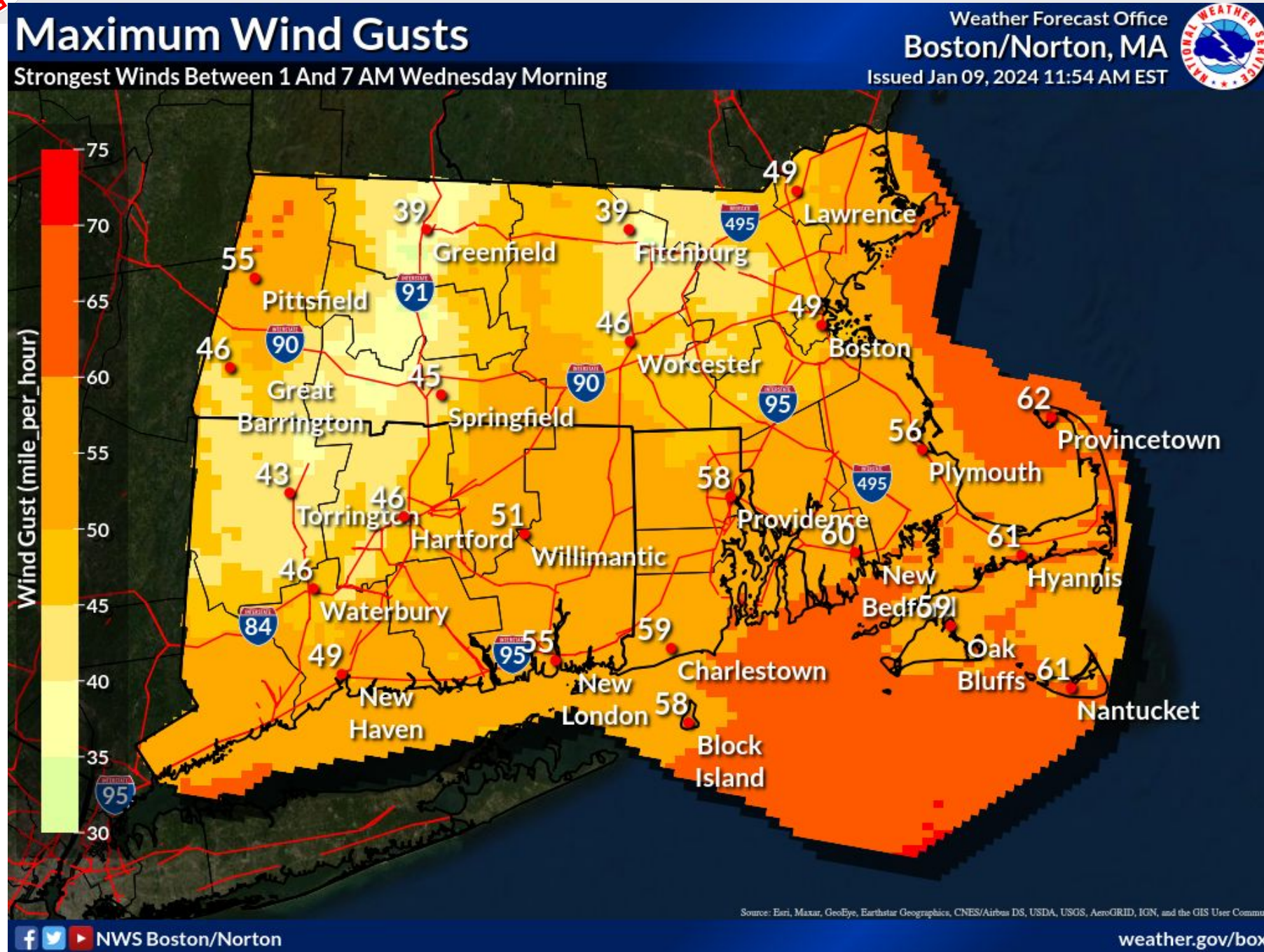






# Maximum Wind Gust Forecast

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- Strongest wind gusts generally 1 AM through 7 AM Wednesday.
  - Will come from a southeasterly direction with gusts of 45 to 65 mph. Strongest from I-95 corridor onto the Cape & Islands.
  - Power Outages & Downed trees are possible.

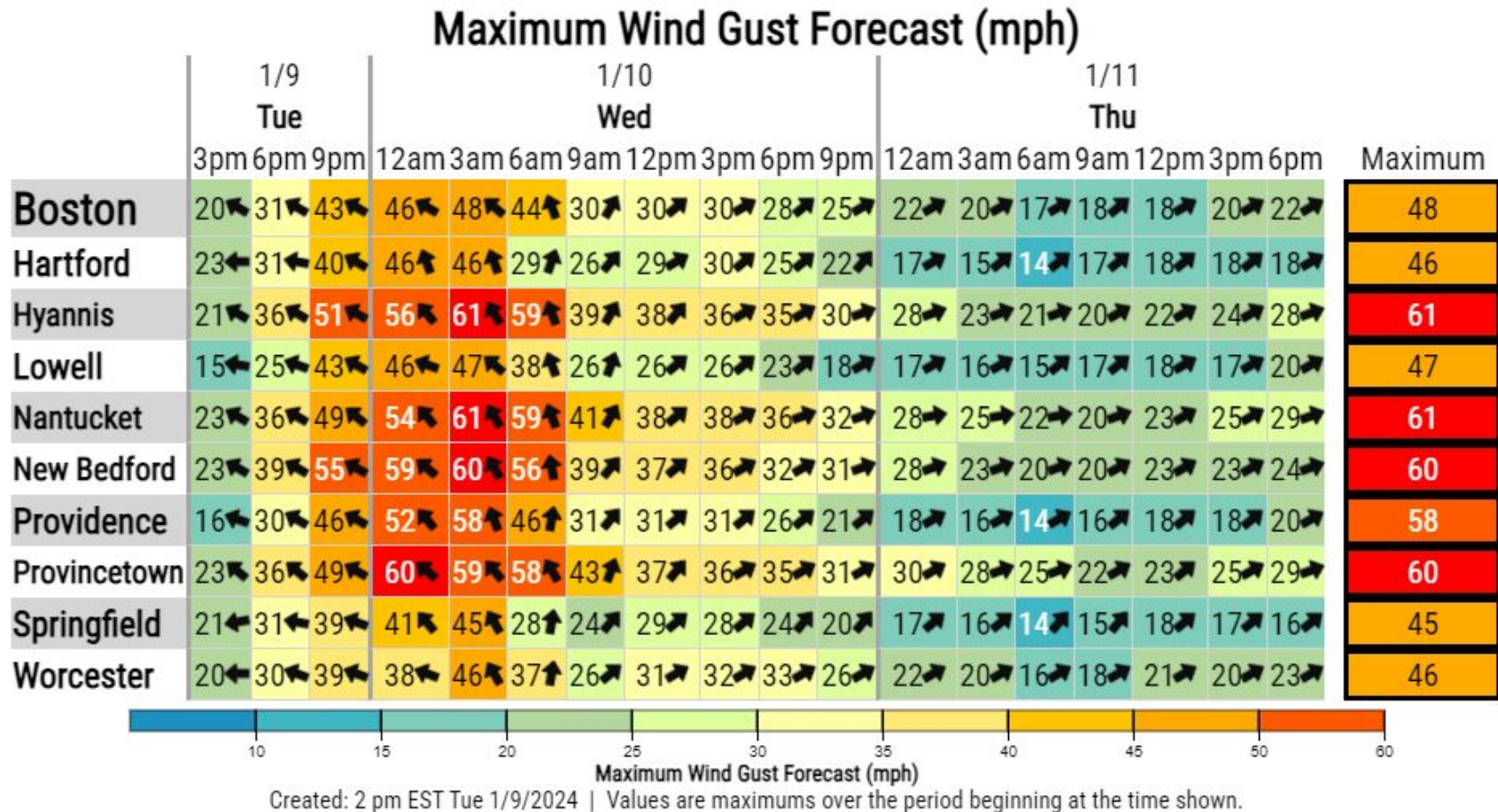






# Wind Gust Forecast

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- Strongest wind gusts generally 1 AM through 7 AM Wednesday.
  - Will come from a southeasterly direction with gusts of 45 to 65 mph. Strongest from I-95 corridor onto the Cape & Islands.
  - Power Outages & Downed trees are possible.
- Breezy (gusts 25-35 mph) southwest winds through the rest of Wednesday.



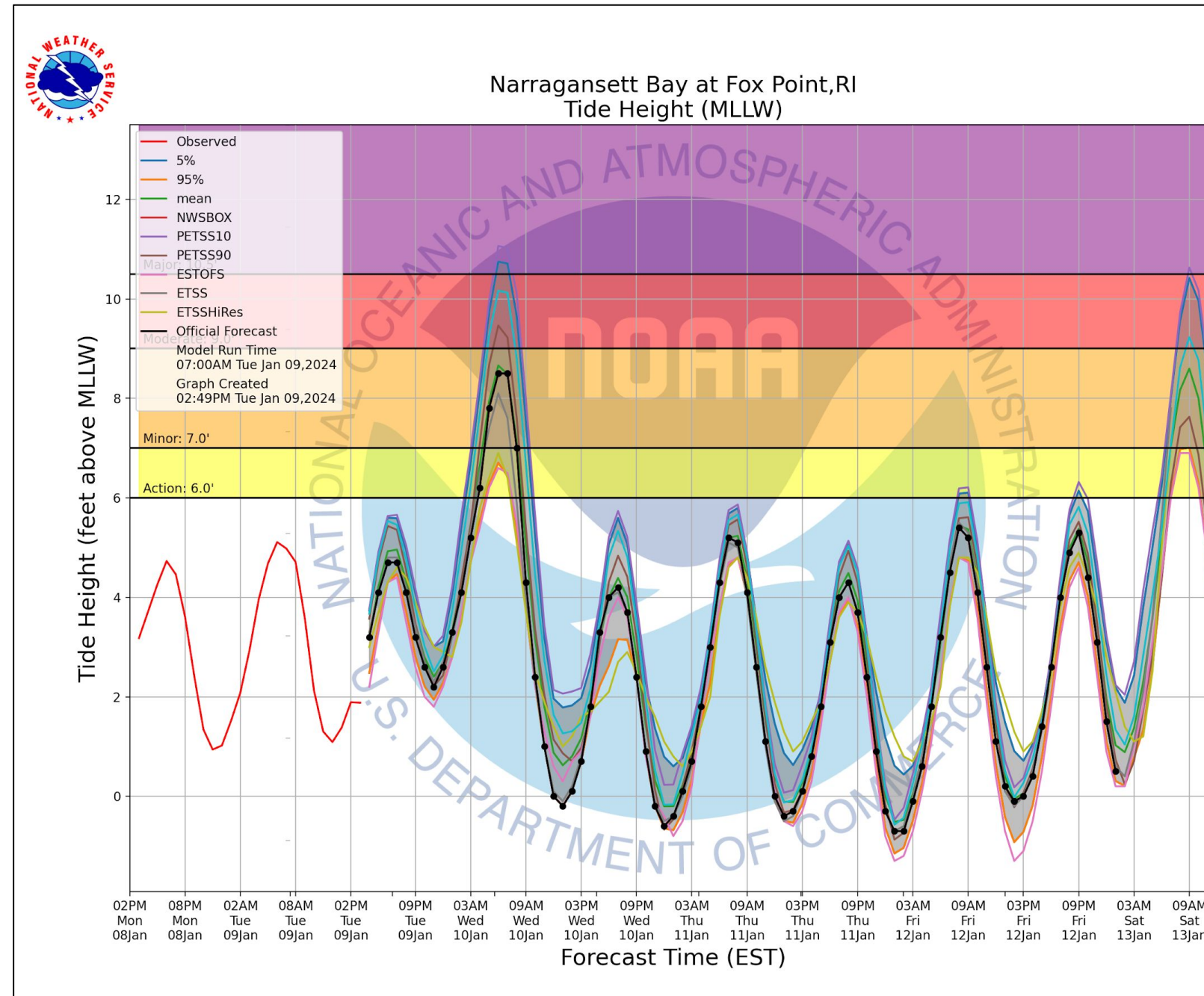




# Coastal Flooding

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Minor coastal flooding both coasts with pockets of moderate coastal flooding possible along the south coast. The high tide of concern is between 4 and 10 am Wednesday morning.

- Especially south coastal MA/RI and portions of Martha's Vineyard
- Storm surge of 2 to 4 feet expected except up to 5 feet possible in Narragansett Bay.
- Could be very similar to the December 18th event.

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

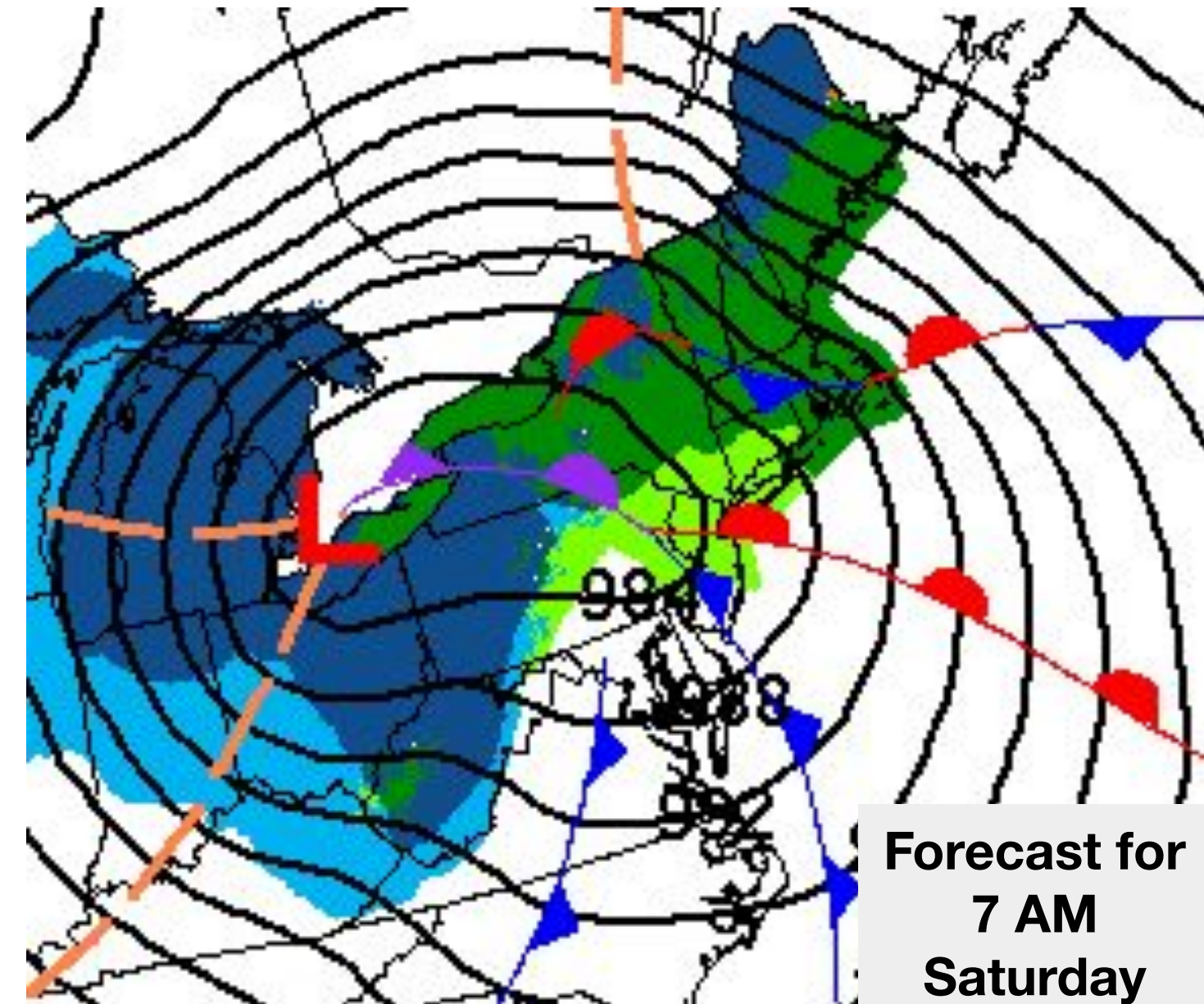






# Next Potential Storm: Fri Night - Sat

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Another storm is expected to track to our west Friday night and 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

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For NWS Boston/Norton County Warning Area



## Briefing Webpage

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



## Next Briefing

→ Last Planned Email on this event.



## Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 6 AM, Wednesday January 10th



## 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)

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