



Weather Briefing

For Southern New England

January 12, 2024

5:26 AM

Decision Support Briefing #2

→ As of 4 AM Friday, January 12th 2024

NEW

Important Updates

- Updated rainfall totals. Additional rain will exacerbate ongoing flooding or trigger new areas of flooding.
- Coastal Flood Warnings and Advisories for most of the southern New England coast.
- Strongest southeast gusts early Saturday, however gusty west winds linger through Sunday. Wind Advisories and High Wind Warnings posted
- Gale Warnings for MA and RI coastal waters

Hazards

- High Wind Warning
- Storm Warning
- Coastal Flood Warning
- Flood Warning
- Gale Warning
- Winter Weather Advisory
- Coastal Flood Advisory
- Small Craft Advisory
- Wind Advisory
- Flood Watch



Graphic Created
January 12th, 2024
4:15 AM CST







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

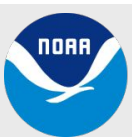
National Weather Service
Boston / Norton, MA



Main Points

January 12, 2024
5:26 AM

Hazard	Impacts	Location	Timing
Flooding/ Rainfall 	Potential for significant street flooding & river/stream flooding	All of southern New England, except for Cape Cod & the Islands	Tonight into early Saturday River flooding may linger into next week
Coastal Flooding 	Minor to moderate flooding on coastal roads	All coastlines	Saturday morning/afternoon High Tide between 8 AM - 2 PM
Marine 	Dangerous sea conditions for vessels	All waters	Late tonight into early Saturday
Damaging Wind 	Potential for downed trees/power lines & power outages	Berkshire county & the coastline	Late tonight into early Saturday





Active Headlines

January 12, 2024
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Hazards

- High Wind Warning
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Marine / Coastal Hazards

- Storm Warning
- Coastal Flood Warning
- Gale Warning
- Coastal Flood Advisory
- Small Craft Advisory



Graphic Created
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Wind Related Hazards

- High Wind Warning
- Wind Advisory



Graphic Created
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4:15 AM CST

Flooding Hazards

- Flood Warning
- Flood Watch



Graphic Created
January 12th, 2024
3:30 AM CST



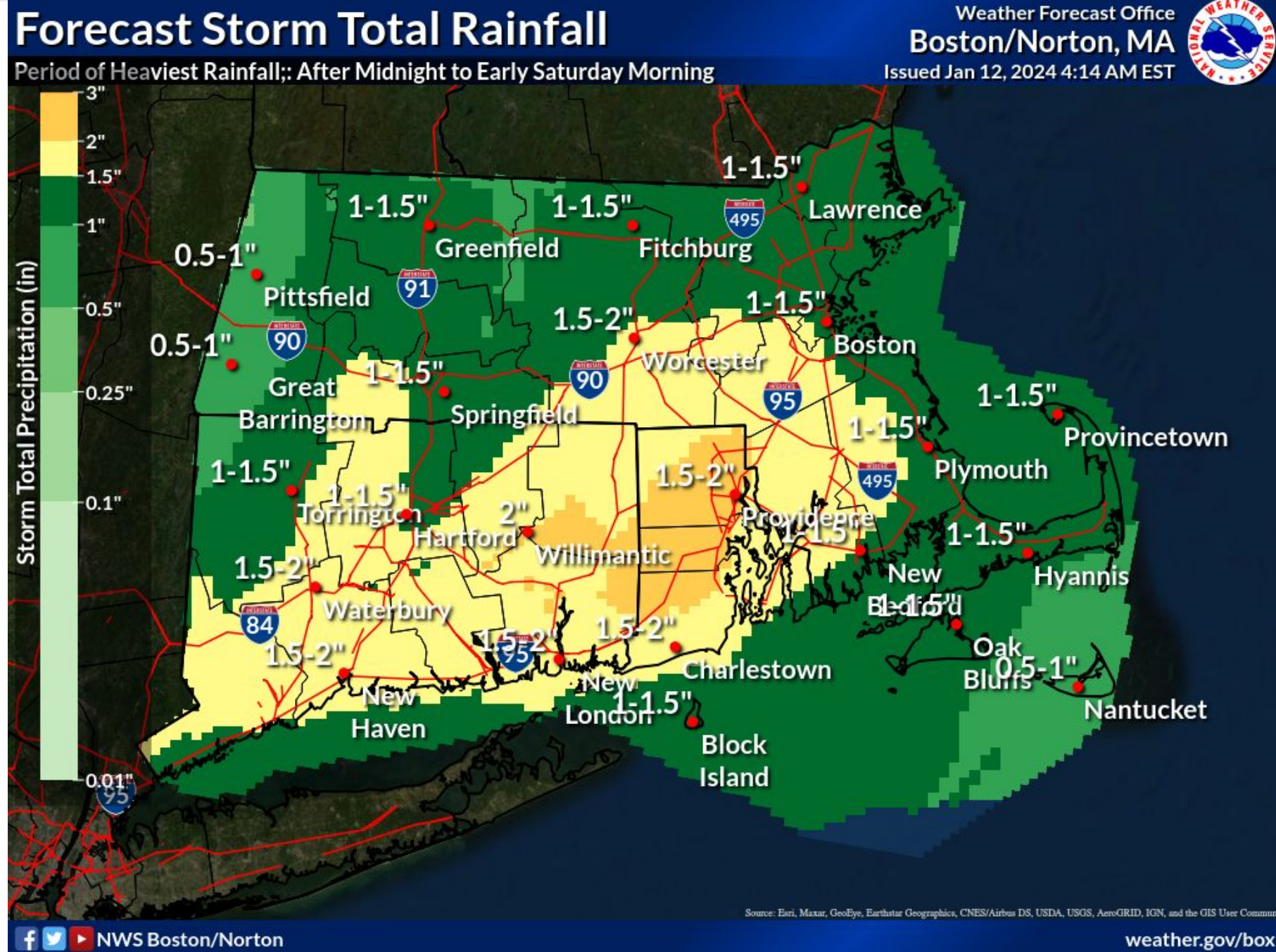
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Expected Rainfall Forecast

January 12, 2024
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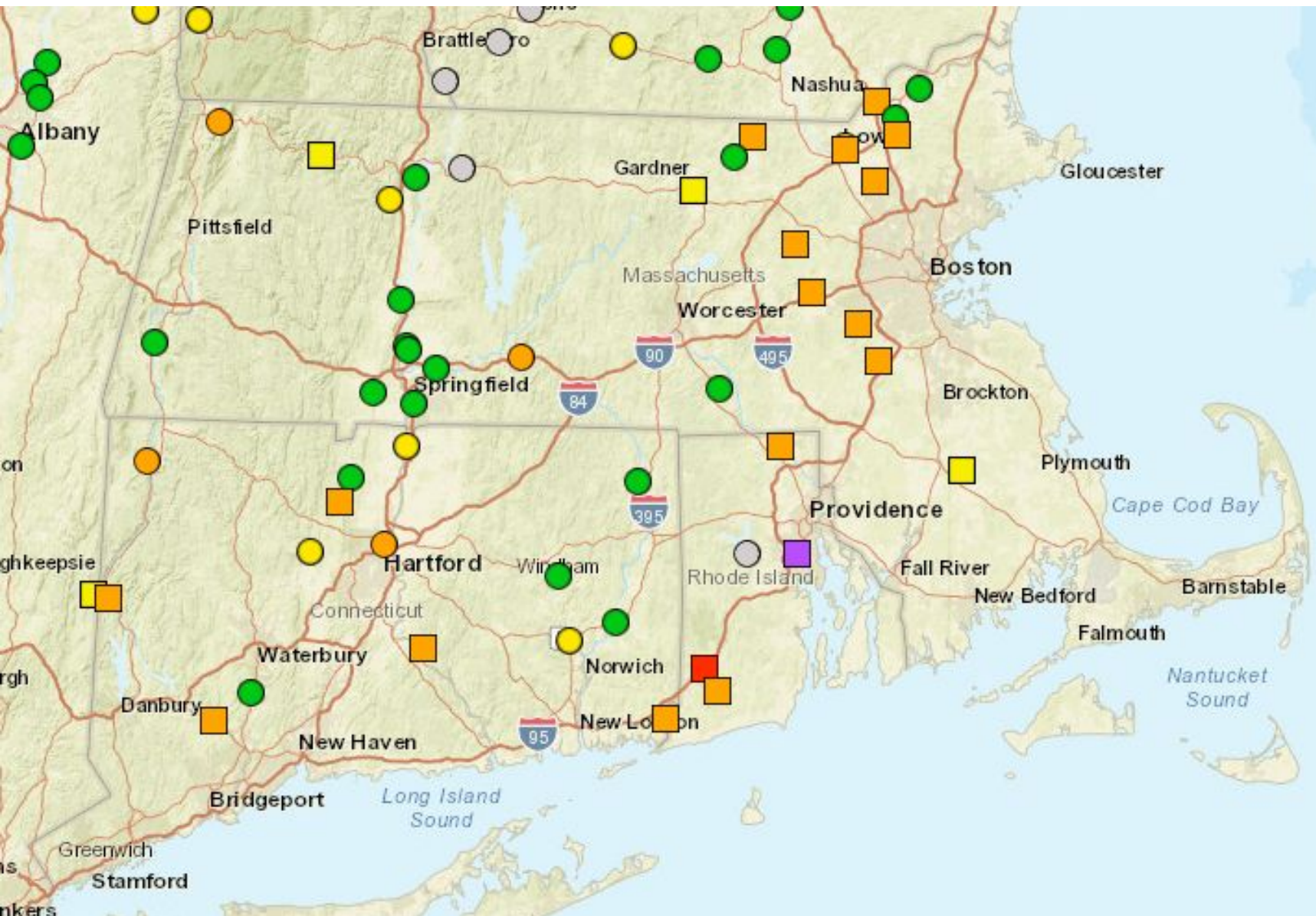
- Rain begins Tonight.
- Heaviest rains overnight into early Saturday AM.
Areal/urban flooding and renewed rises to be most focused in this time period.
- Rains decrease late Saturday morning, although river rises likely to continue after rain ends.





River Flood Outlook

January 12, 2024
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Concern for:
Pawtuxet River, Wood River, Pawcatuck River
Shawsheen River, Housatonic River

Quicker responding rivers reaching flood stage
Saturday. Slower ones Sunday

Uncertainty until rainfall and snowmelt
amounts are known

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

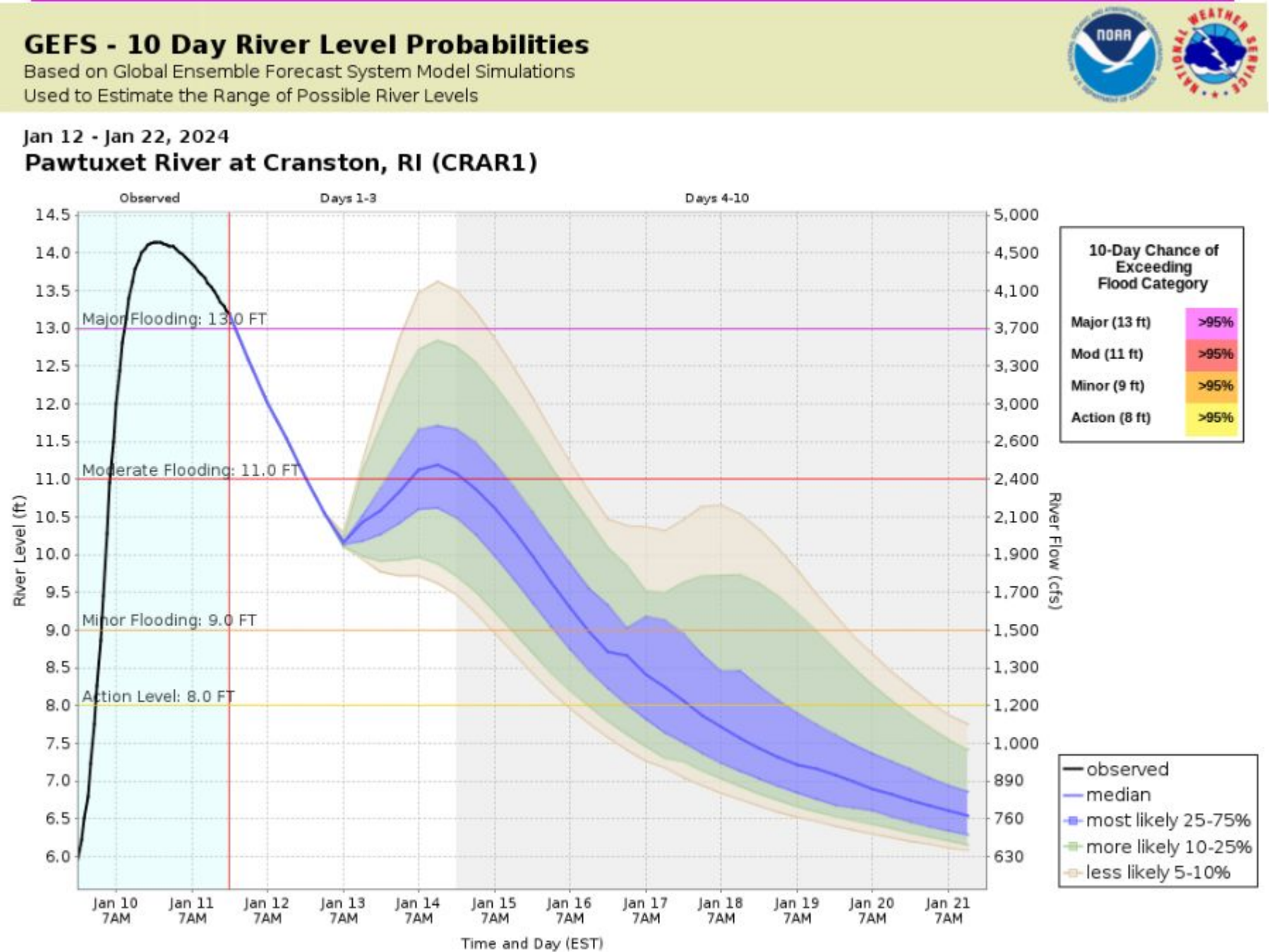
Chance of Exceedance		
30%	Level	70%
	Action	
	Minor Flood	
	Moderate Flood	
	Major Flood	
= less than 30% chance of reaching Action level		
= no critical levels defined for this point		



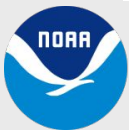


Pawtuxet River at Cranston

January 12, 2024
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- Pawtuxet River at Cranston is expected to fall below moderate stage late Friday. The river is anticipated to rise crest near 10.5 ft early on Sunday (minor).
- 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.





Shawsheen River at Andover

January 12, 2024
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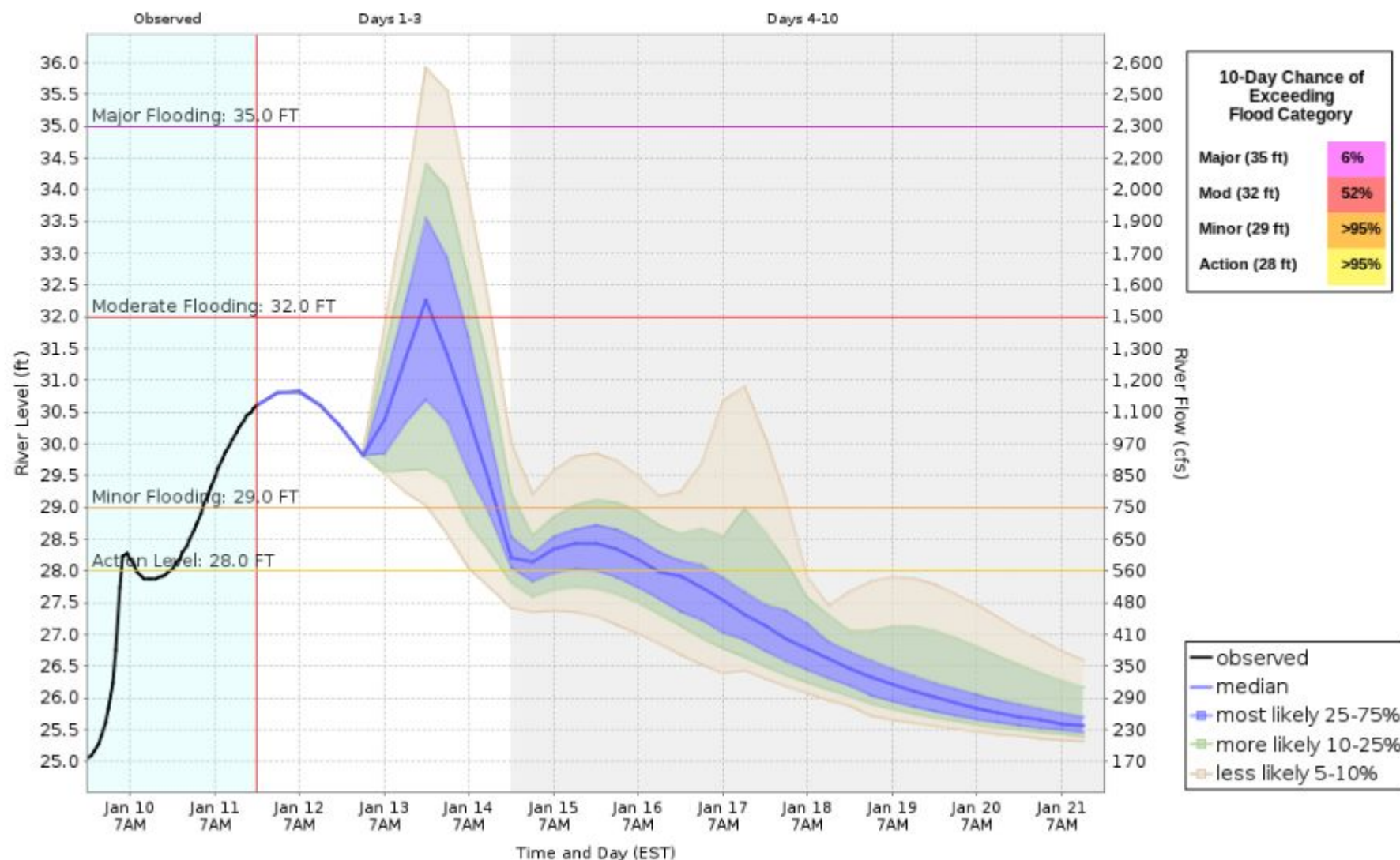
GEFS - 10 Day River Level Probabilities

Based on Global Ensemble Forecast System Model Simulations
Used to Estimate the Range of Possible River Levels



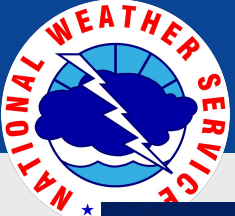
Jan 12 - Jan 22, 2024

Shawsheen River at Andover, MA (ANDM3)



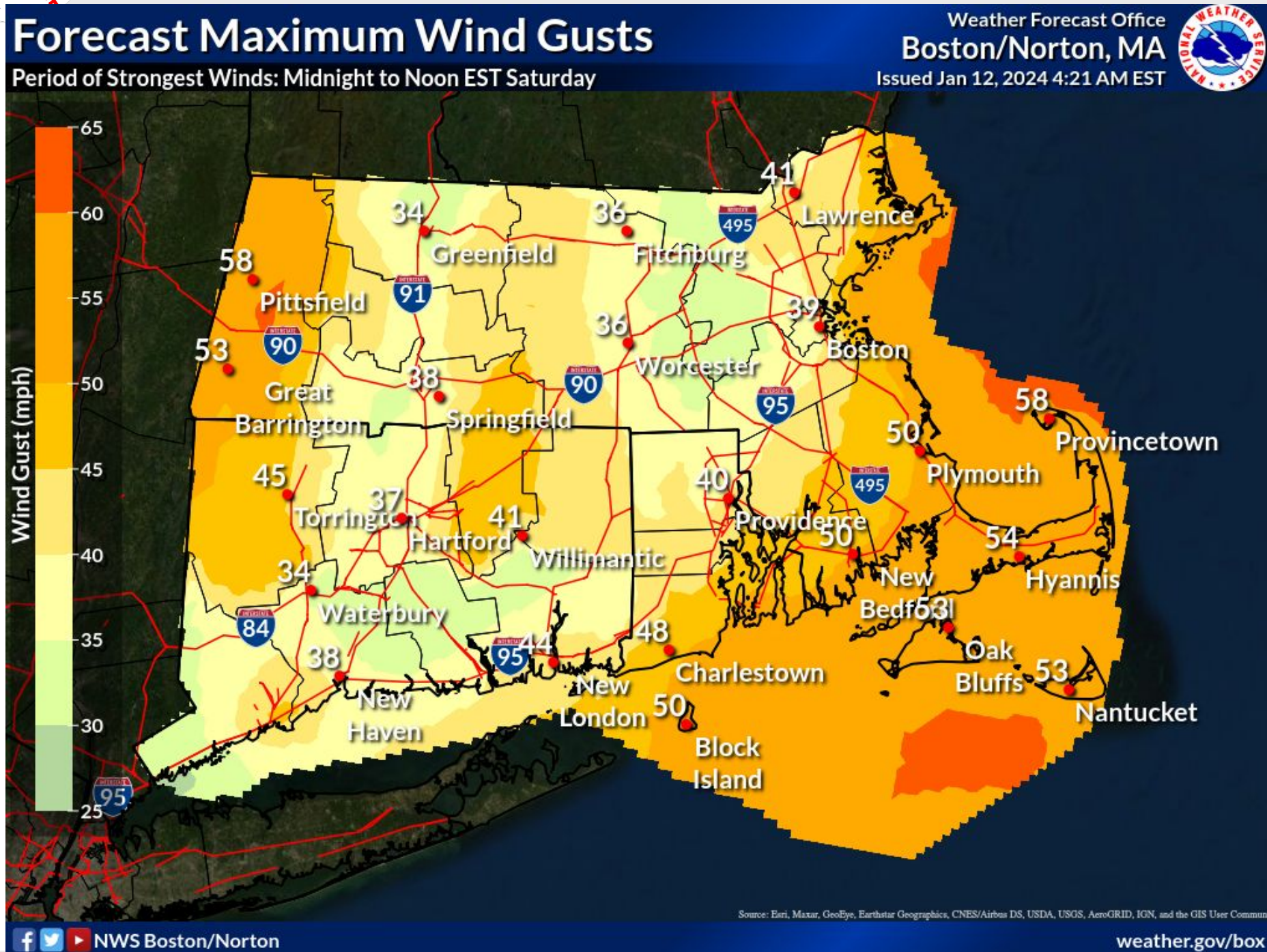
- Shawsheen River at Andover is expected to continue to rise in minor flood cresting near 30.7 feet on Saturday (minor).
- Please visit [Advanced Hydrologic Prediction Center](#) for more specific information on impacts at those levels. Just scroll down to the bottom and you can see the impacts at different levels above flood stage.





Maximum Wind Gust Forecast

January 12, 2024
5:26 AM



- Strongest wind gusts generally 3 AM through 9 AM Saturday.
 - Will come from a southeasterly direction, with gusts of 45 to 60 mph. Strongest from I-95 corridor onto the Cape & Islands.
 - Power Outages & Downed trees are possible.
- Westerly wind gusts 35-50 mph Saturday Night through Sunday.



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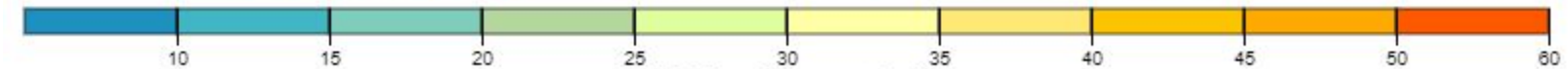


Wind Gust Forecast

January 12, 2024
5:26 AM

Wind Gust Forecast (mph)

	1/12 Fri			1/13 Sat				1/14 Sun				1/15 Mon	
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	Maximum
Boston	10➡	8➡	8➡	21➡	36➡	33➡	33➡	35➡	33➡	41➡	36➡	26➡	41
Gloucester	16➡	12➡	10➡	24➡	51➡	39➡	33➡	35➡	33➡	33➡	32➡	35➡	51
Hartford	6➡	6➡	10➡	30➡	32➡	31➡	32➡	25➡	22➡	33➡	26➡	22➡	33
Hyannis	16➡	9➡	12➡	24➡	51➡	44➡	37➡	35➡	31➡	36➡	35➡	31➡	51
Lowell	8➡	9➡	7➡	16➡	38➡	31➡	30➡	25➡	23➡	32➡	26➡	29➡	38
Nantucket	20➡	9➡	14➡	25➡	49➡	43➡	39➡	37➡	33➡	35➡	37➡	33➡	49
New Bedford	14➡	8➡	12➡	26➡	48➡	44➡	37➡	36➡	32➡	40➡	32➡	30➡	48
New Haven	7➡	5➡	12➡	28➡	33➡	28➡	32➡	32➡	32➡	36➡	32➡	26➡	36
Newport	14➡	6➡	14➡	29➡	47➡	41➡	37➡	35➡	30➡	39➡	32➡	28➡	47
Pittsfield	12➡	5➡	12➡	46➡	49➡	23➡	26➡	29➡	40➡	30➡	31➡	32➡	49
Providence	8➡	7➡	8➡	20➡	38➡	36➡	33➡	26➡	23➡	36➡	28➡	25➡	38
Springfield	7➡	6➡	9➡	32➡	35➡	32➡	32➡	28➡	23➡	33➡	26➡	24➡	35
Worcester	9➡	8➡	9➡	23➡	32➡	33➡	36➡	31➡	26➡	35➡	29➡	29➡	36



Wind Gust Forecast (mph)
Created: 4 am EST Fri 1/12/2024 |

- Strongest wind gusts generally 3 AM through 9 AM Saturday.
- Gusty W to SW winds through late Saturday and Sunday (35-50 mph)

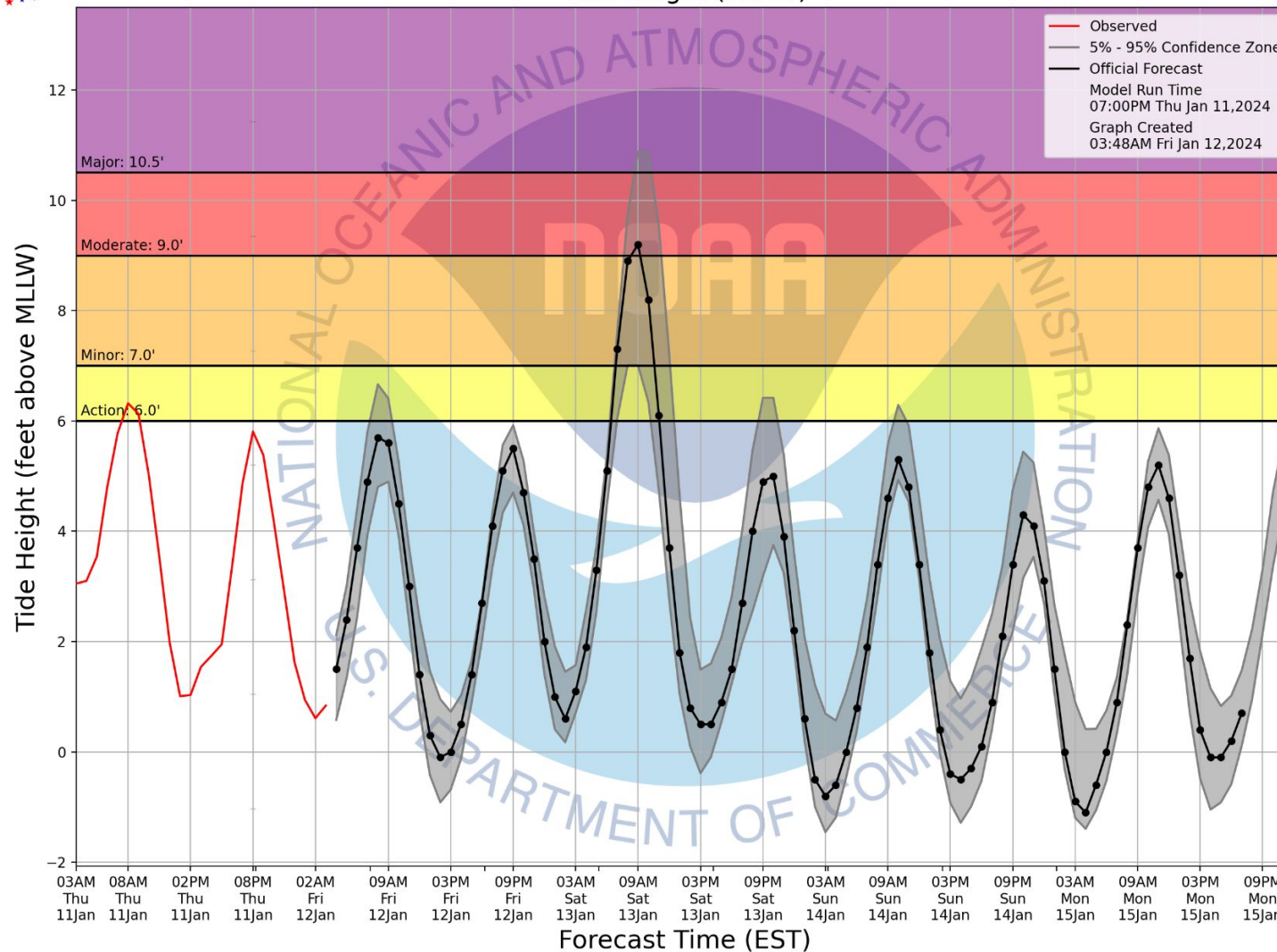


Coastal Flooding

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Narragansett Bay at Fox Point, RI
Tide Height (MLLW)



Minor coastal flooding both coasts with pockets of moderate coastal flooding possible along the south coast. The high tide of concern is between 8 AM and 2 PM Saturday.

- 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 midweek event.

Greatest risk of Moderate flooding on upper end of Narragansett Bay including Providence.





Contact and Next Briefing Information

January 12, 2024
5:26 AM

For NWS Boston/Norton County Warning Area



Briefing Webpage

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



Next Briefing

→ By email: 6 PM Friday



Disclaimer

Information contained in this briefing is time-sensitive
→ Do Not Use After: 6 PM, Friday January 12th



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