



Weather Briefing

For Southern New England

January 12, 2024
3:24 PM

Decision Support Briefing #3

→ As of 330 PM Friday, January 12th 2024

NEW

Important Updates

- Upgrade to Coastal Flood Warnings for both southern and eastern coastlines.
- Updated storm total rain and strongest wind gusts.

Hazards

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



Graphic Created
January 12th, 2024
2:00 PM CST







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

National Weather Service
Boston / Norton, MA



Main Points

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 	Moderate flooding on coastal roads. Significant erosion.	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

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Hazards

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



Graphic Created
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1:00 PM CST

Marine / Coastal Hazards

- Storm Warning
- Coastal Flood Warning
- Gale Warning
- Coastal Flood Advisory



Graphic Created
January 12th, 2024
2:00 PM CST

Wind Related Hazards

- High Wind Warning
- Wind Advisory



Graphic Created
January 12th, 2024
2:00 PM CST

Flooding Hazards

- Flood Warning
- Flood Watch



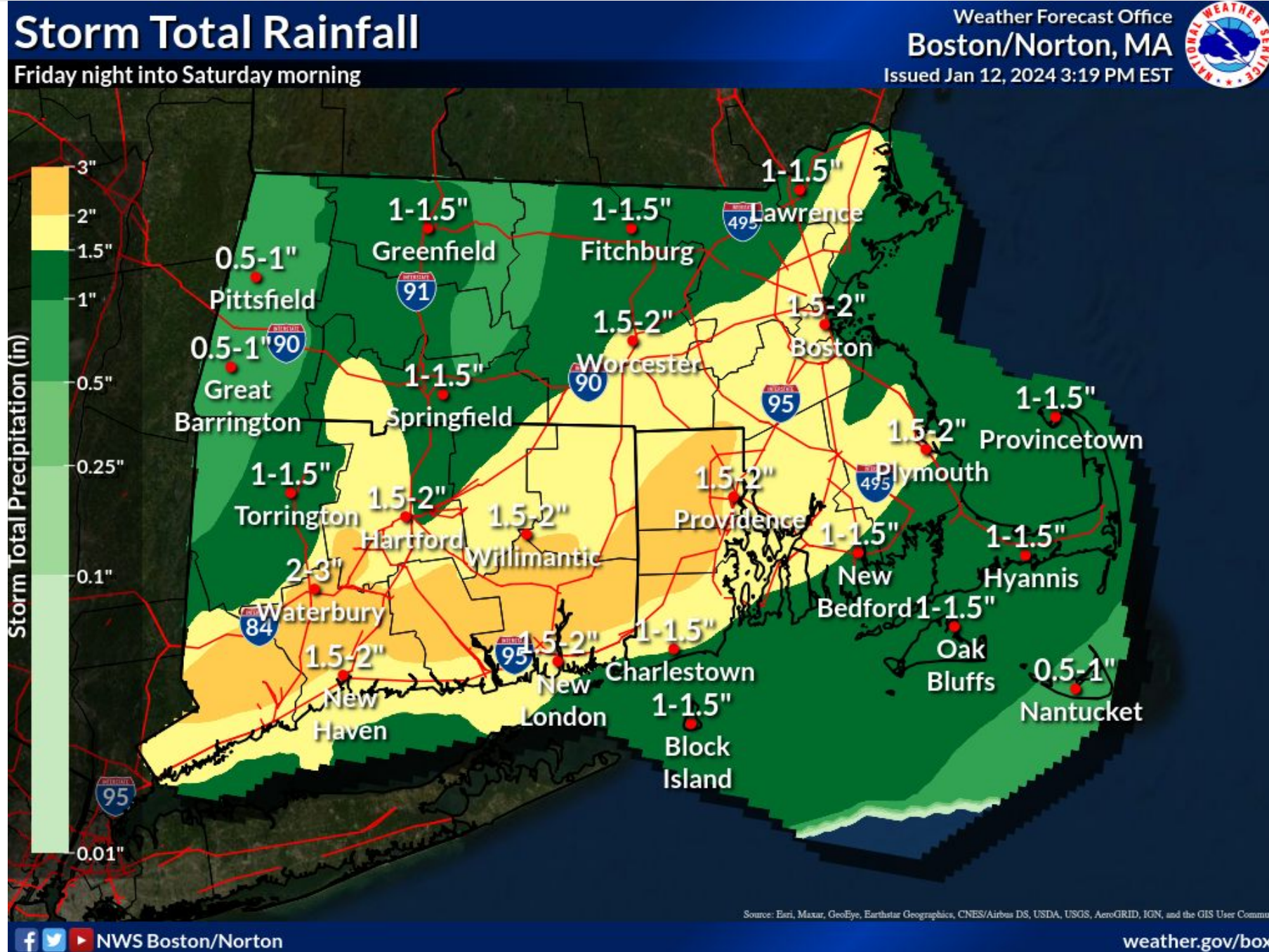
Graphic Created
January 12th, 2024
2:00 PM CST



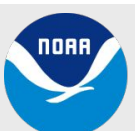


Expected Rainfall Forecast

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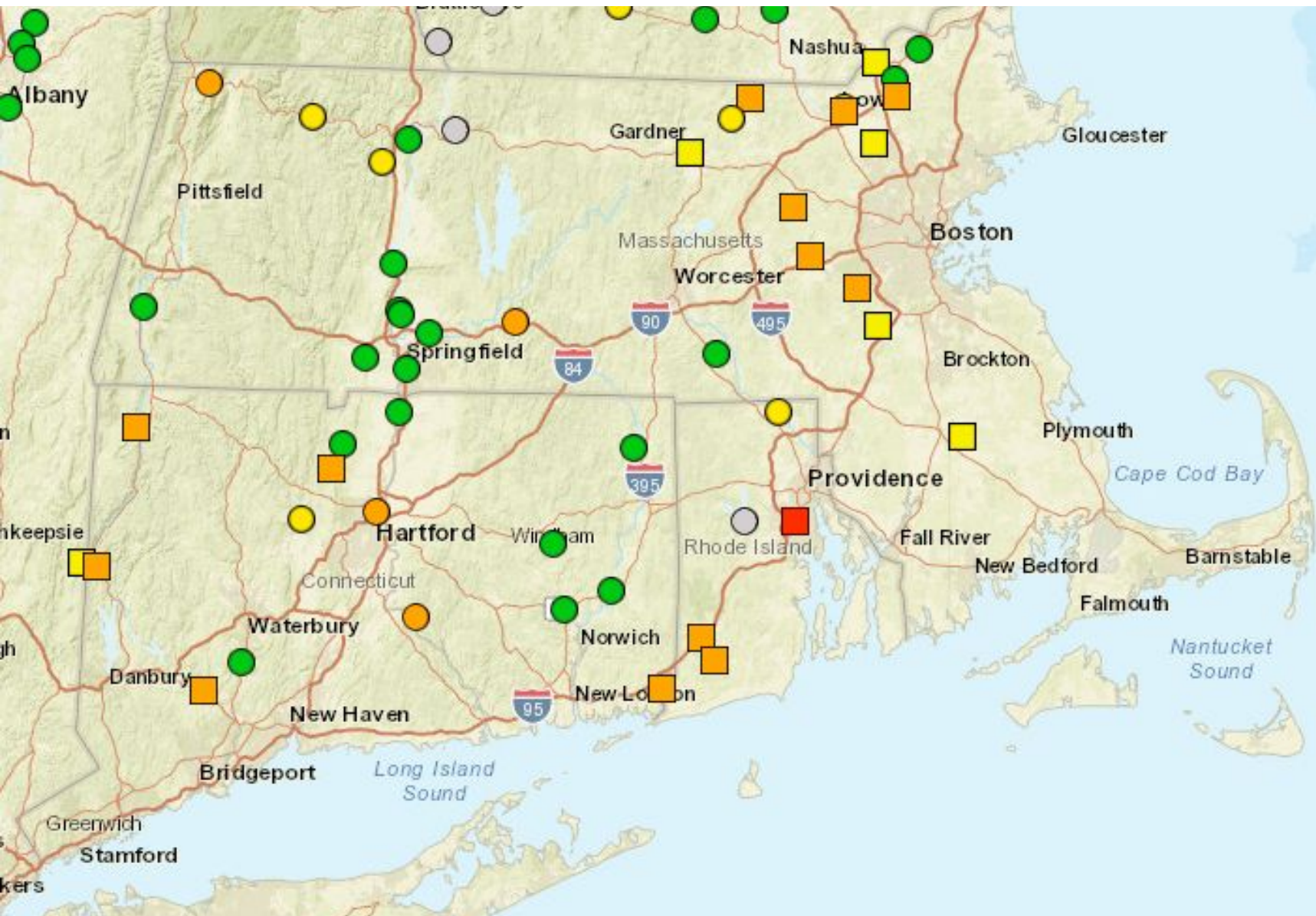
- Rain begins Tonight.
- Heaviest rains overnight into early Saturday AM.
Areal/urban flooding and renewed rises to be most focused in this time period.
- Rains decrease late Saturday morning, although river rises likely to continue after rain ends.





River Flood Outlook

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Concern for:

Pawtuxet River, Wood River, Pawcatuck River
Shawsheen River, Charles River, Farmington
River, Housatonic River

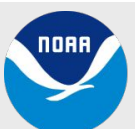
Quicker responding rivers reaching flood stage
Saturday. Slower ones Sunday

Uncertainty until rainfall and snowmelt

amounts are known
Circles = 30% chance of exceeding level

Squares = 70% chance of exceeding level

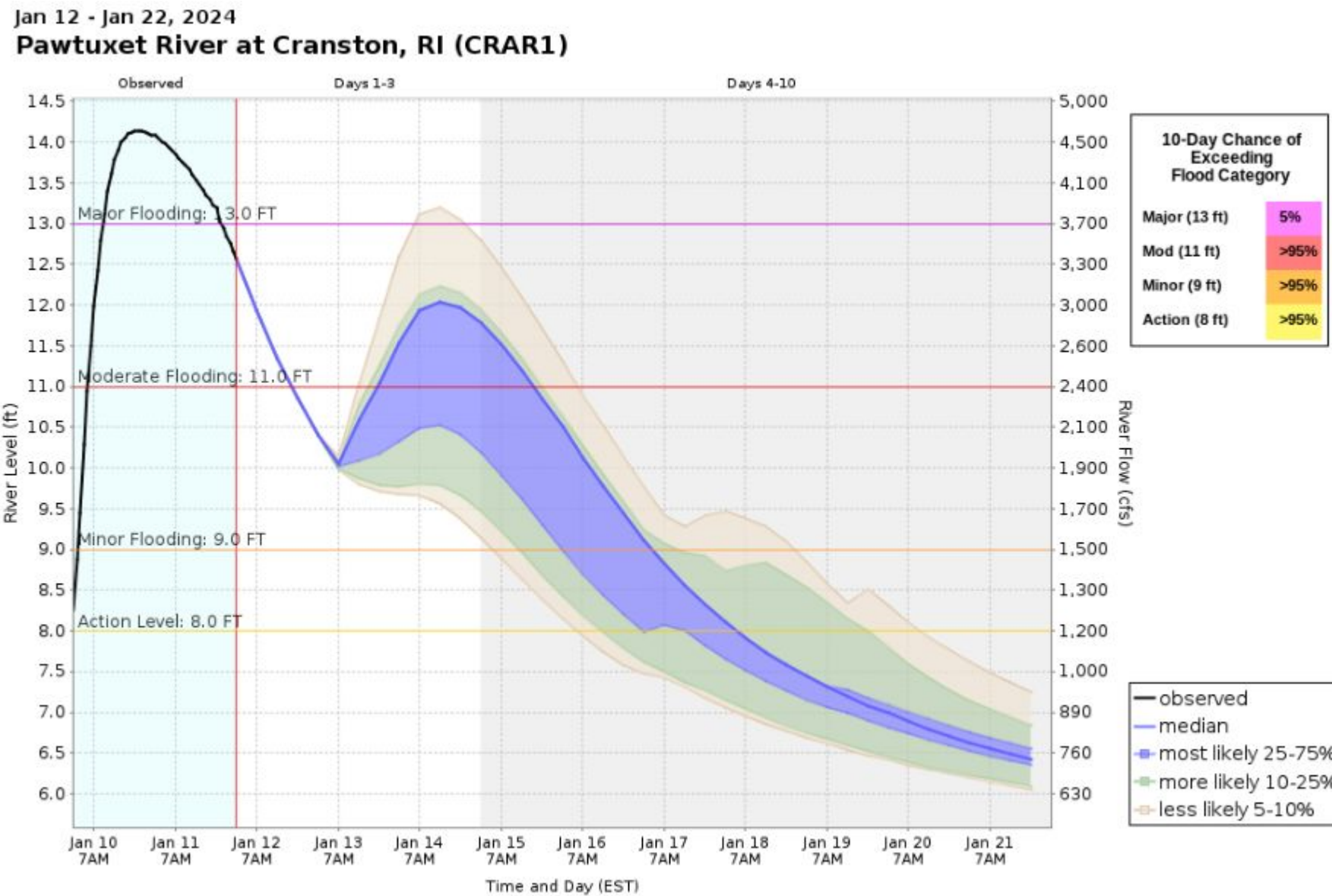
Chance of Exceedance		
30%	Level	70%
	Action	
	Minor Flood	
	Moderate Flood	
	Major Flood	
= less than 30% chance of reaching Action level		
= no critical levels defined for this point		



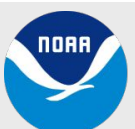


Pawtuxet River at Cranston

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- Pawtuxet River at Cranston is expected to fall below moderate stage late tonight. The river is anticipated to rise crest near 12.4 ft early on Sunday (moderate).
- 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.



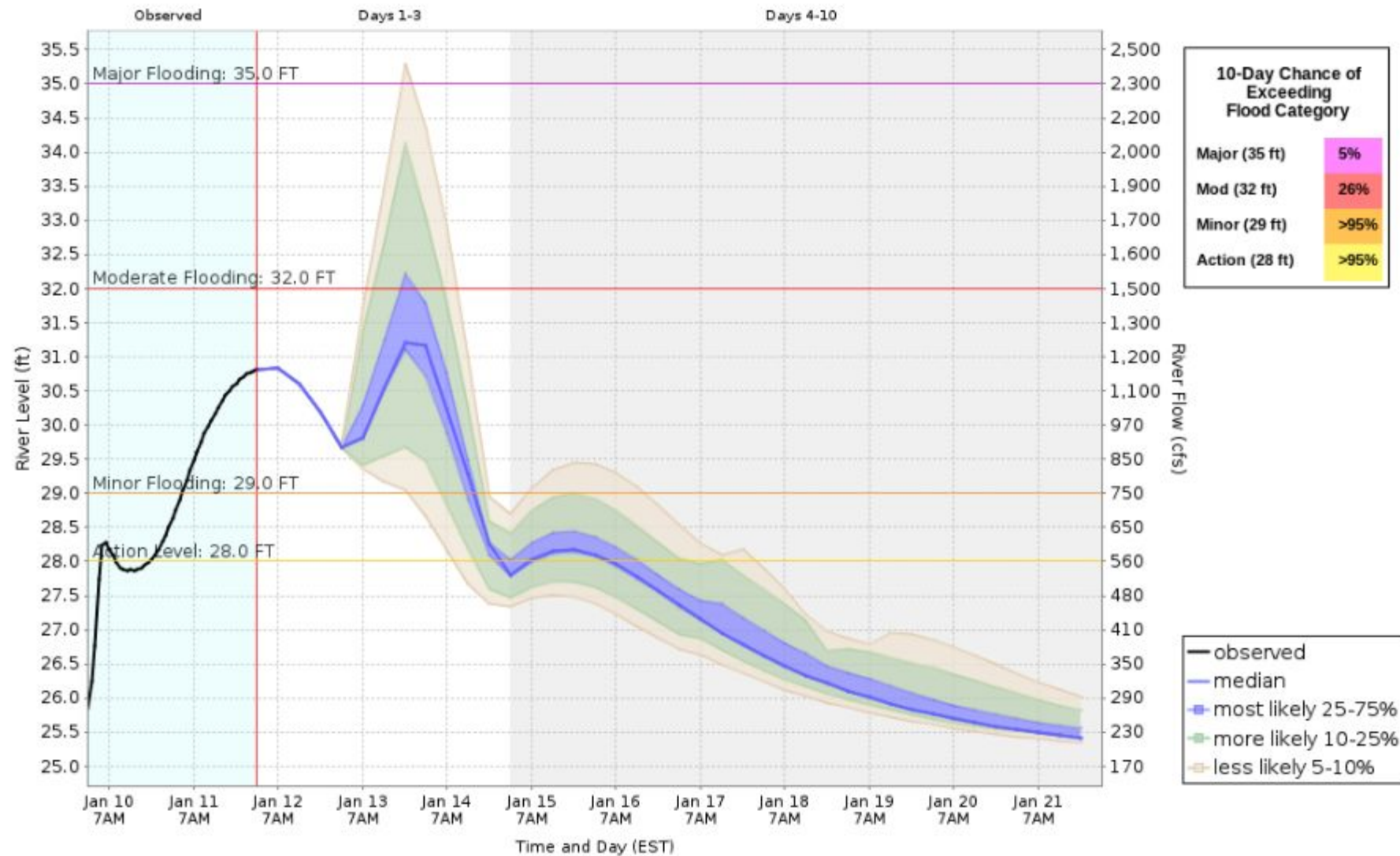


Shawsheen River at Andover

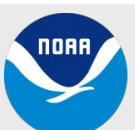
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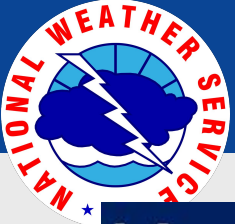
Jan 12 - Jan 22, 2024

Shawsheen River at Andover, MA (ANDM3)



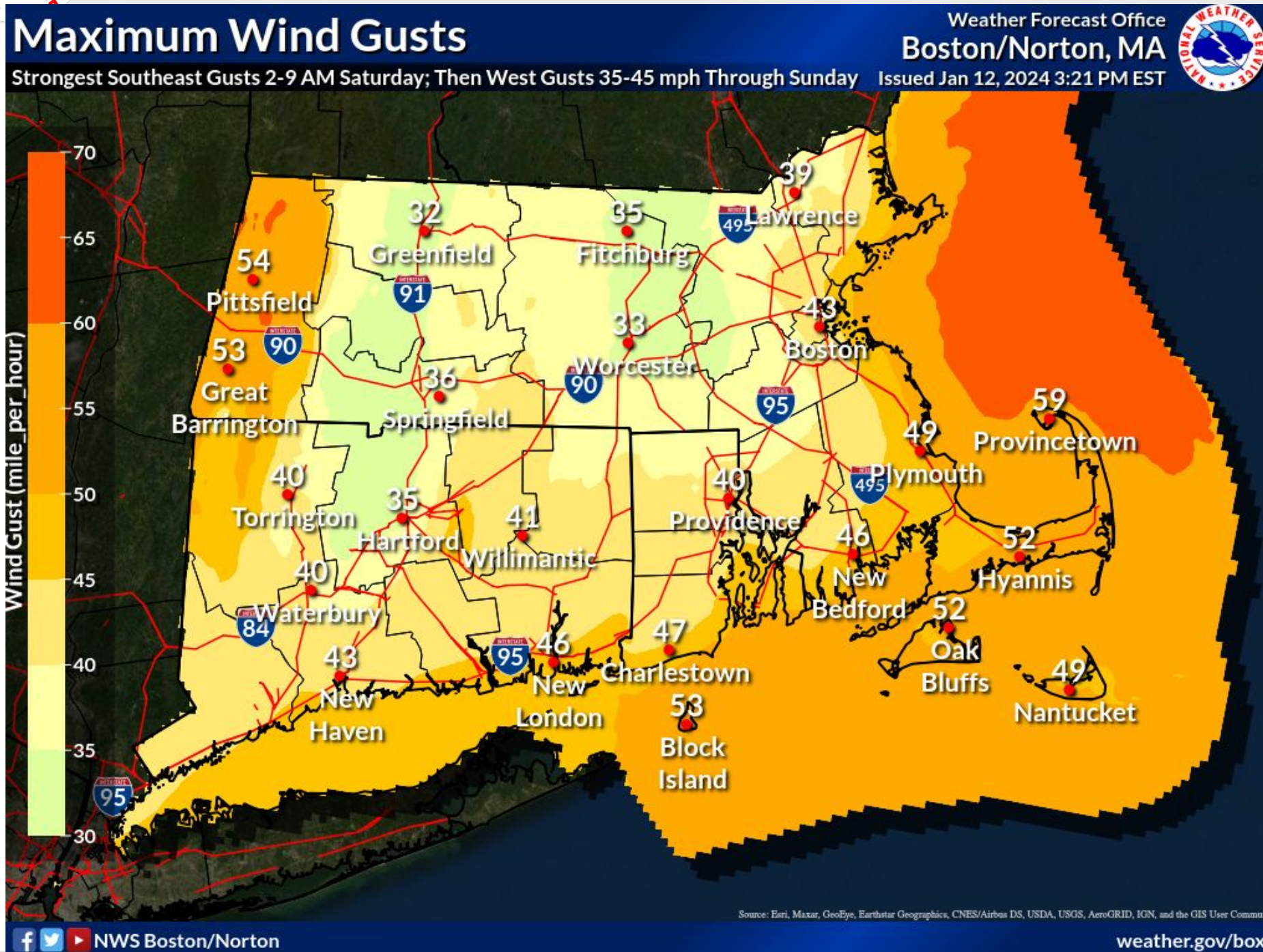
- Shawsheen River at Andover is expected to continue to rise in minor flood cresting near 31 feet on Saturday (minor).
- Please visit [Advanced Hydrologic Prediction Center](#) for more specific information on impacts at those levels. Just scroll down to the bottom and you can see the impacts at different levels above flood stage.





Maximum Wind Gust Forecast

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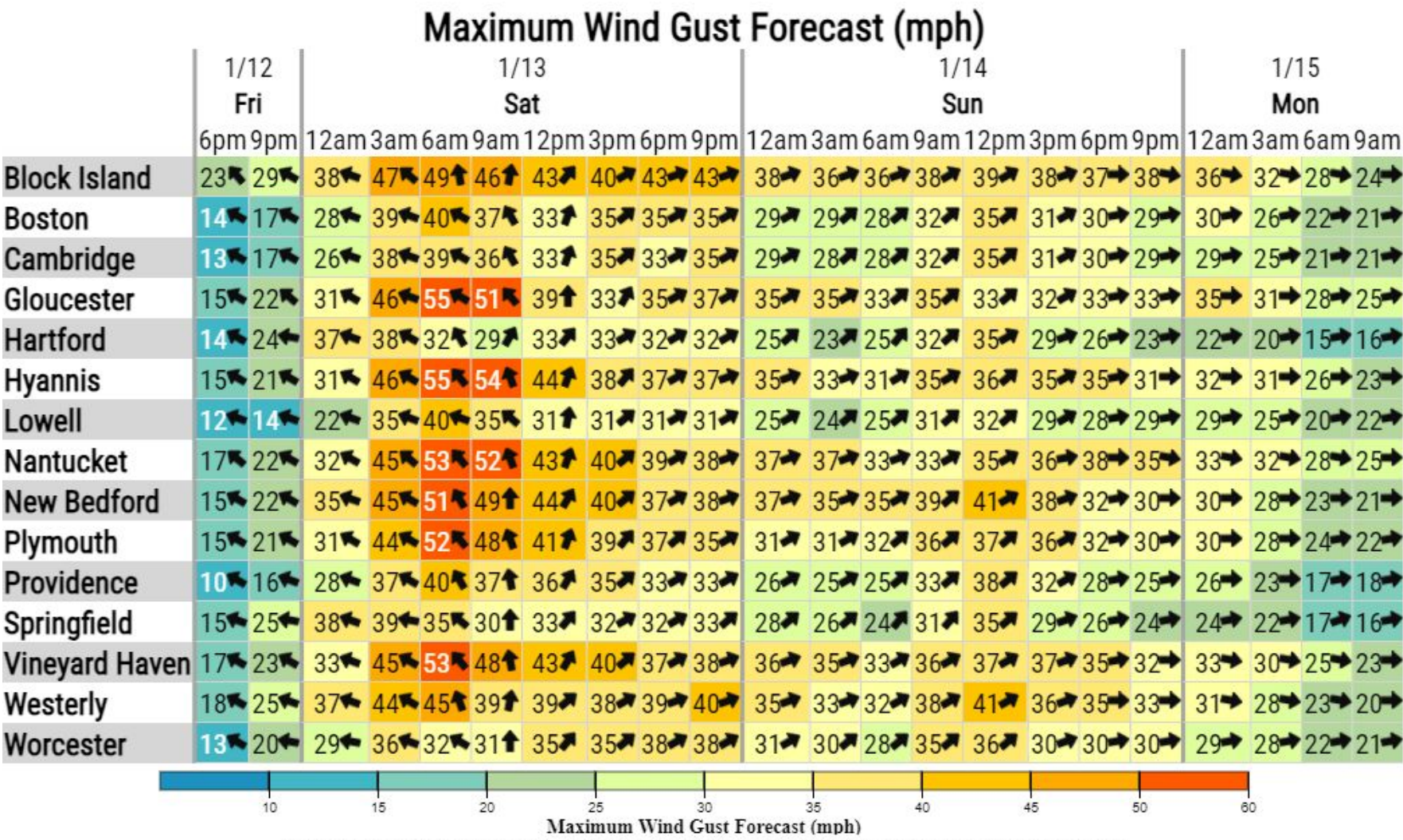
- Strongest wind gusts generally 2 AM through 9 AM Saturday.
 - Will come from a southeasterly direction, with gusts of 45 to 60 mph. Strongest from I-95 corridor onto the Cape & Islands.
 - Power Outages & Downed trees are possible.
- Westerly wind gusts 30-45 mph Rest of Saturday through Sunday.





Wind Gust Forecast

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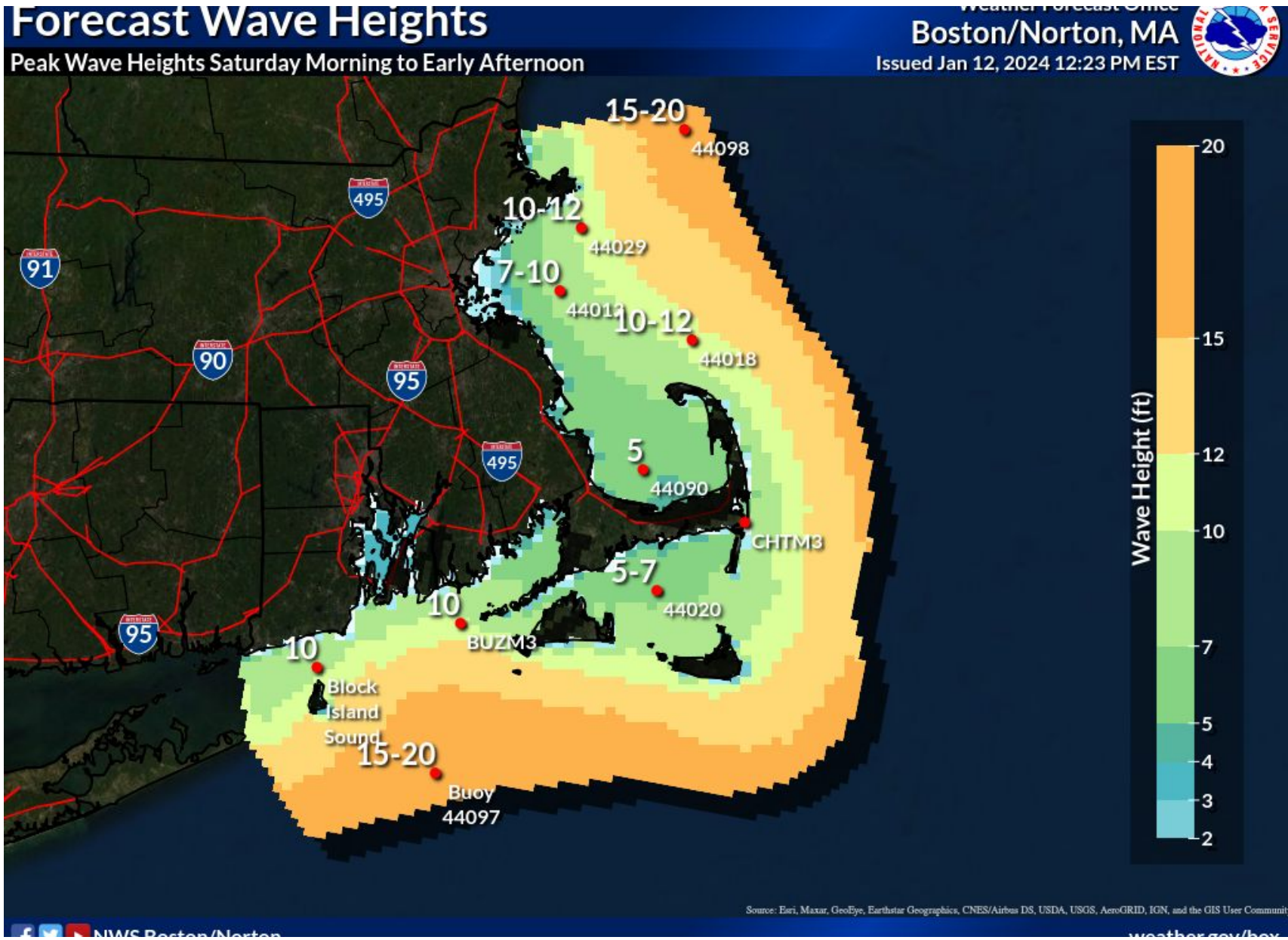
- Strongest wind gusts generally 2 AM through 9 AM Saturday.
- Gusty W to SW winds through late Saturday and Sunday (30-45 mph)





Forecast Wave Heights

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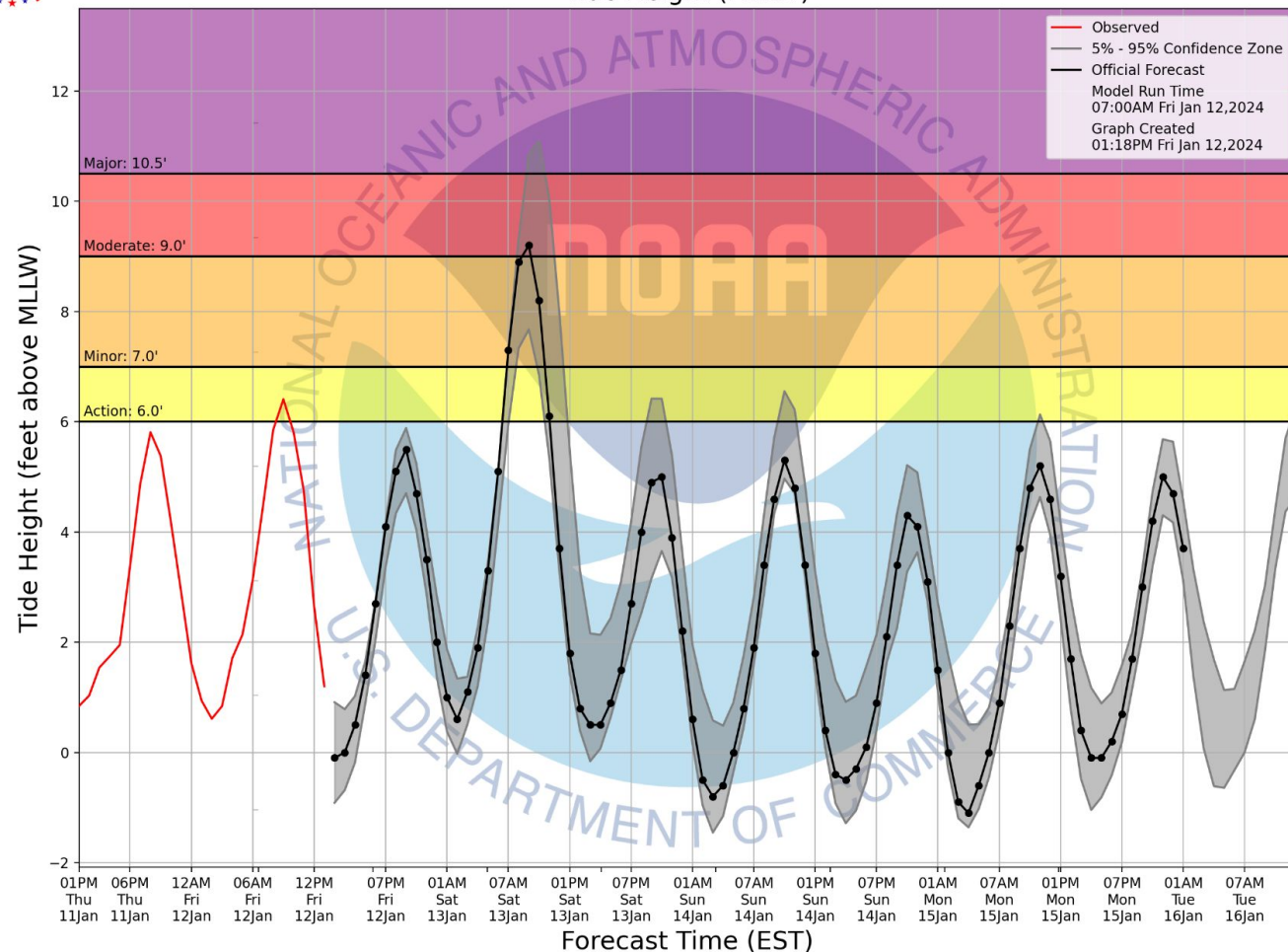


Coastal Flooding

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



Moderate coastal flooding expected along both southern and eastern coasts. 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 coastal flooding impacts on upper end of Narragansett Bay including Providence, South Coastal Massachusetts and the North Shore of Massachusetts.





Contact and Next Briefing Information

January 12, 2024
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For NWS Boston/Norton County Warning Area



Briefing Webpage

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



Next Briefing

→ By email: FINAL briefing, unless there are significant changes.



Disclaimer

Information contained in this briefing is time-sensitive
→ Do Not Use After: 7 AM, Saturday January 13th



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