



Winter Weather Briefing

For Southern New England

April 1, 2024

4:17 PM

Decision Support Briefing #1

→ As of 4:00 PM, Monday April 1

NEW

Important Updates

- Winter Storm Watch for the Berkshires
- Initial briefing package

Hazards

- Flood Warning
- Small Craft Advisory
- Winter Storm Watch
- Gale Watch
- Storm Watch



Graphic Created
April 1st, 2024
3:00 PM CDT



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

National Weather Service
Boston / Norton, MA



Active Headlines

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Winter Weather Hazards



Marine / Coastal Hazards



Wind Related Hazards







Flooding Hazards

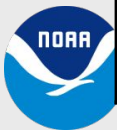




Main Points

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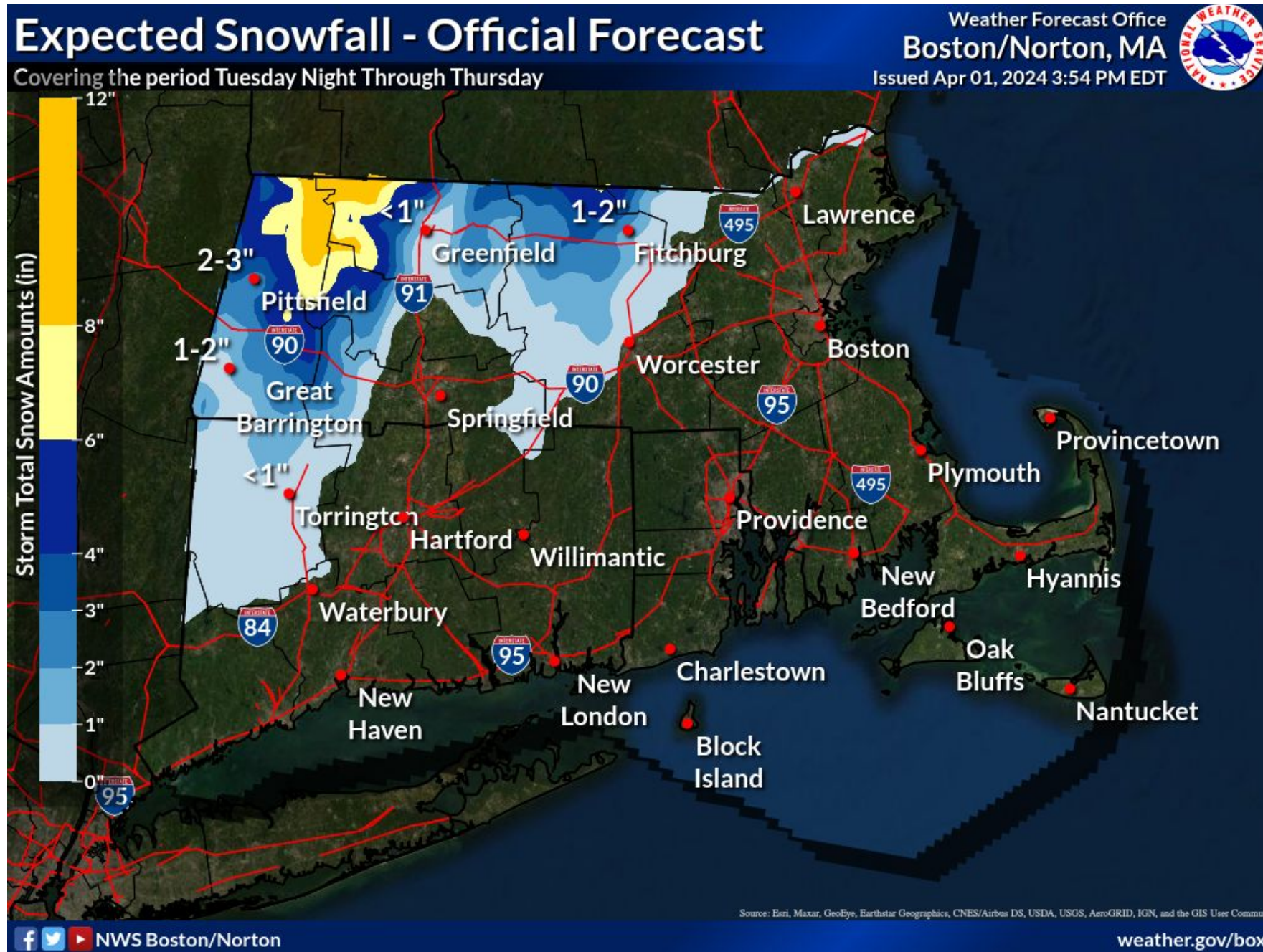
Hazard	Impacts	Location	Timing
Wind/ Damaging Wind 	Trees and downed power lines.	Eastern Coastal MA, the Berkshires and northern Worcester County.	Peaking Wednesday Night into Thursday Morning.
Coastal Flooding 	<p>[Eastern MA Coast] Inundation on vulnerable shoreline roads; beach erosion on east-facing coasts.</p> <p>[South Coast] Some overwash to minor inundation on vulnerable shoreline roads.</p>	Southern and eastern coasts.	Early Thursday Morning around high tide.
Snow 	Wet snow weighing on trees and powerlines could result in damage.	The Berkshires, northern Worcester Hills and northwest Middlesex County.	Tuesday Night through Thursday.
Marine 	Gale force winds with possible storm force gusts. Rough seas (wave heights 12 to 16 feet)	All MA and RI coastal waters	Wednesday morning through Thursday afternoon





Forecast Storm Total Snowfall

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- Considerable uncertainty remains in the specific amount of snow that will fall
- Expect to see large variations in snowfall with elevation (more snow in higher elevations)
- Snow will be wet and dense
 - Potential to cause downed limbs and power outages
- Best chance for accumulating snowfall is expected Wednesday night.

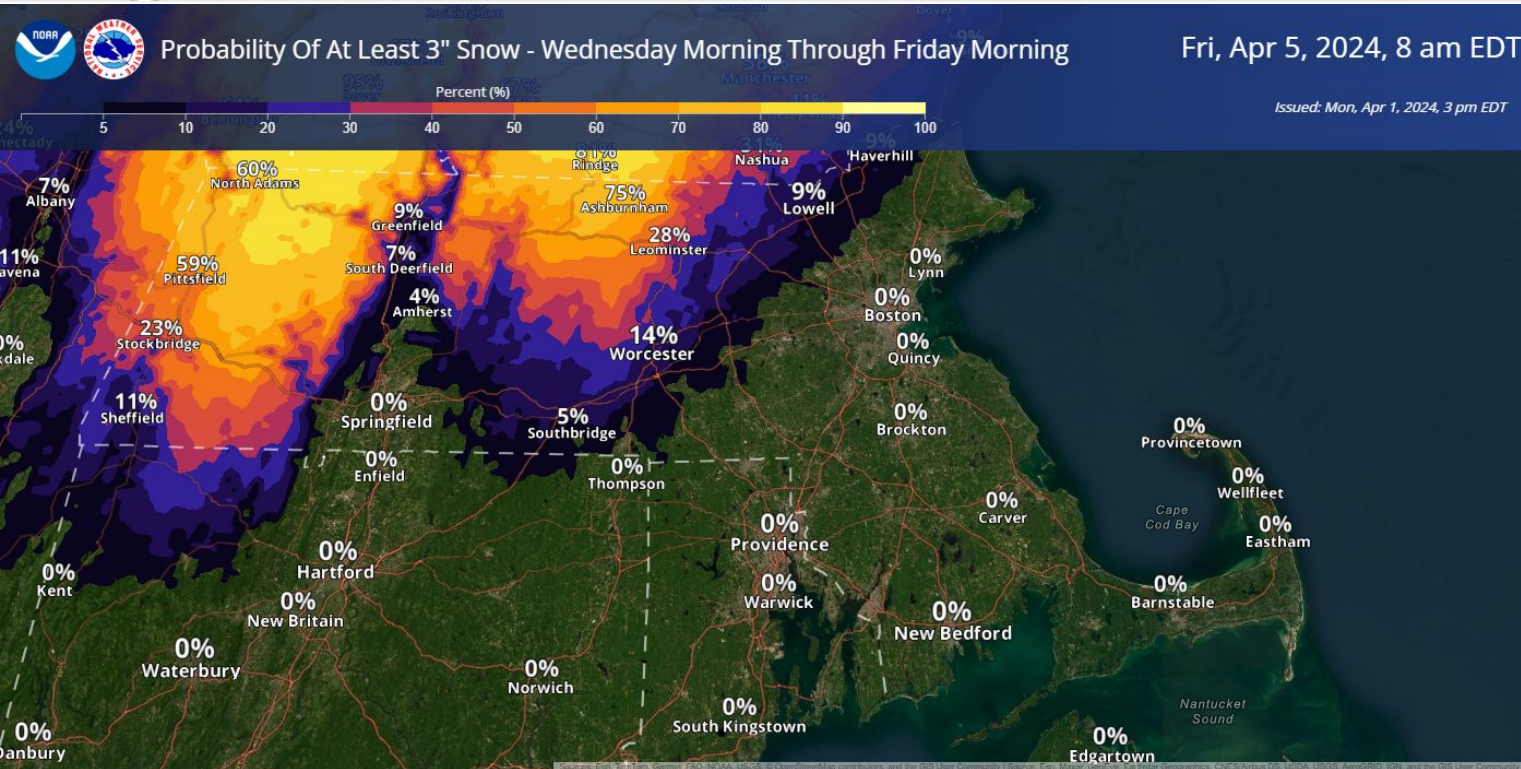




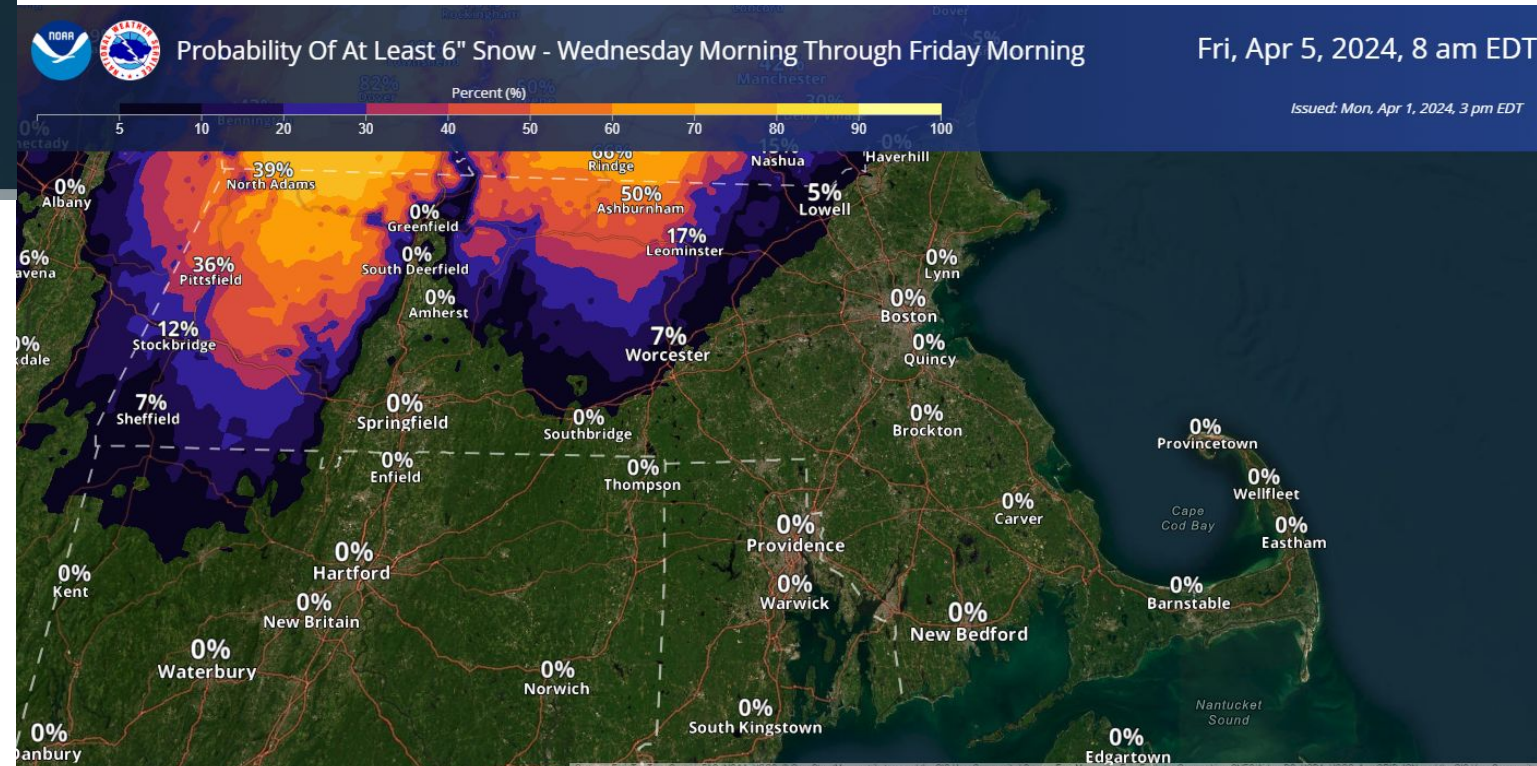
Probability Of Exceeding Specific Snowfall Amounts

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NOTE: The probabilities are subject to change based on future model forecasts



Probability of 3" or more snowfall over the 48 hour period from Wednesday morning through Friday morning.



Probability of 6" or more snowfall the 48 hour period from Wednesday morning through Friday morning.



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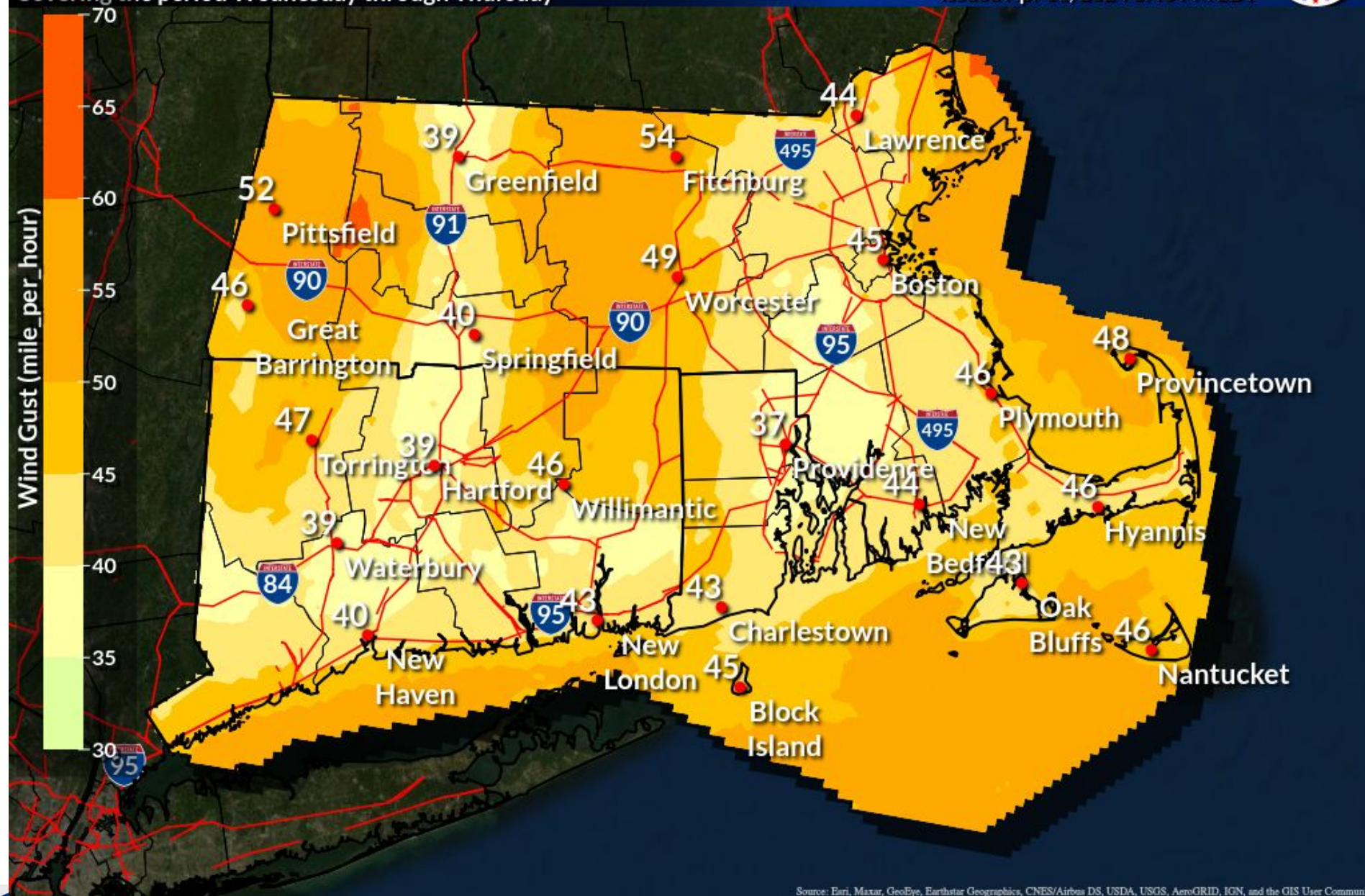
Strong Wind Gusts

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Forecast Maximum Wind Gusts

Covering the period Wednesday through Thursday

Weather Forecast Office
Boston/Norton, MA
Issued Apr 01, 2024 3:40 PM EDT



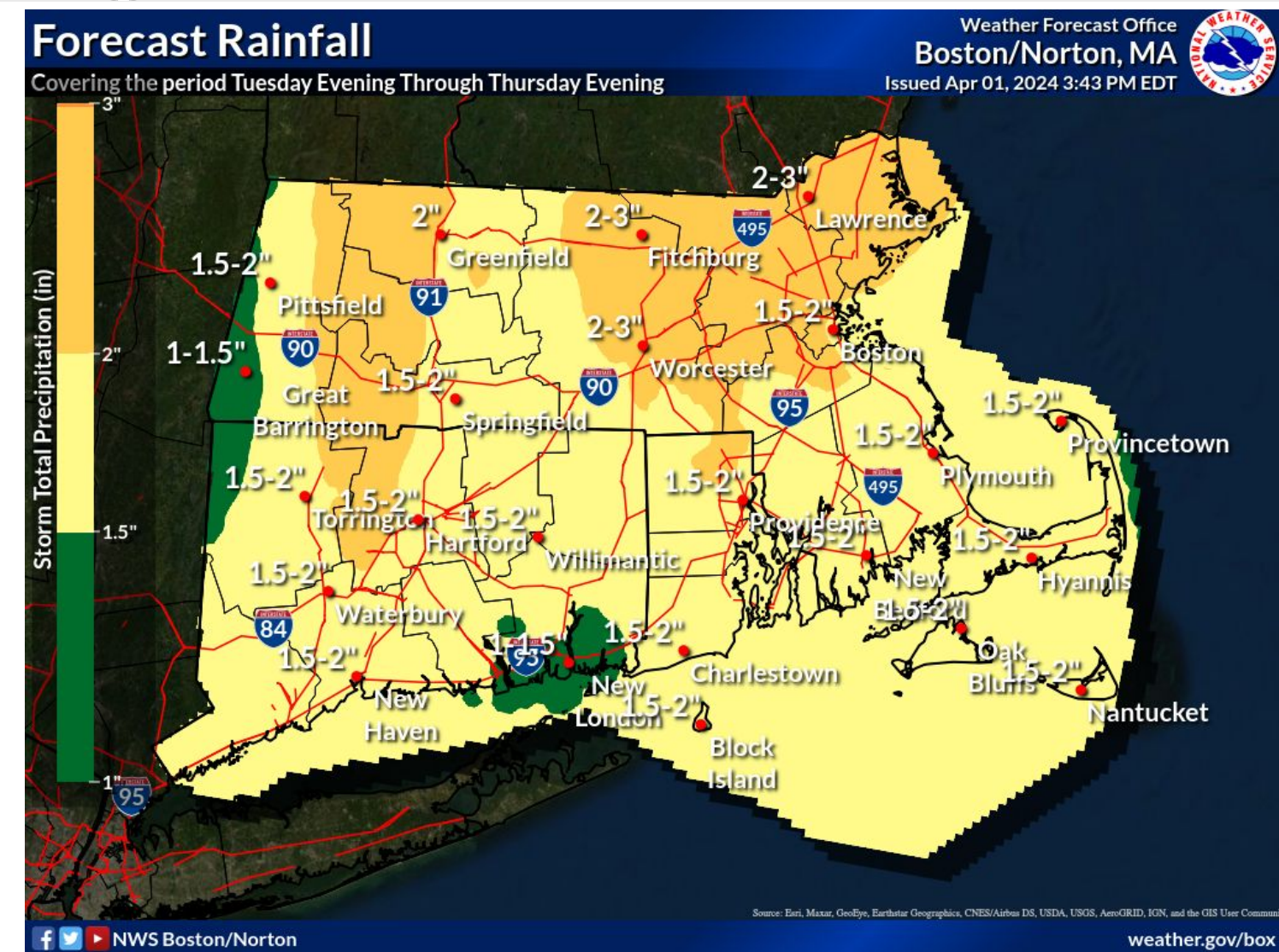
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- Strongest winds expected to occur mid-day Wednesday through mid-day Thursday
- Potential to cause power outages, especially if wet snow accumulates on trees and power lines

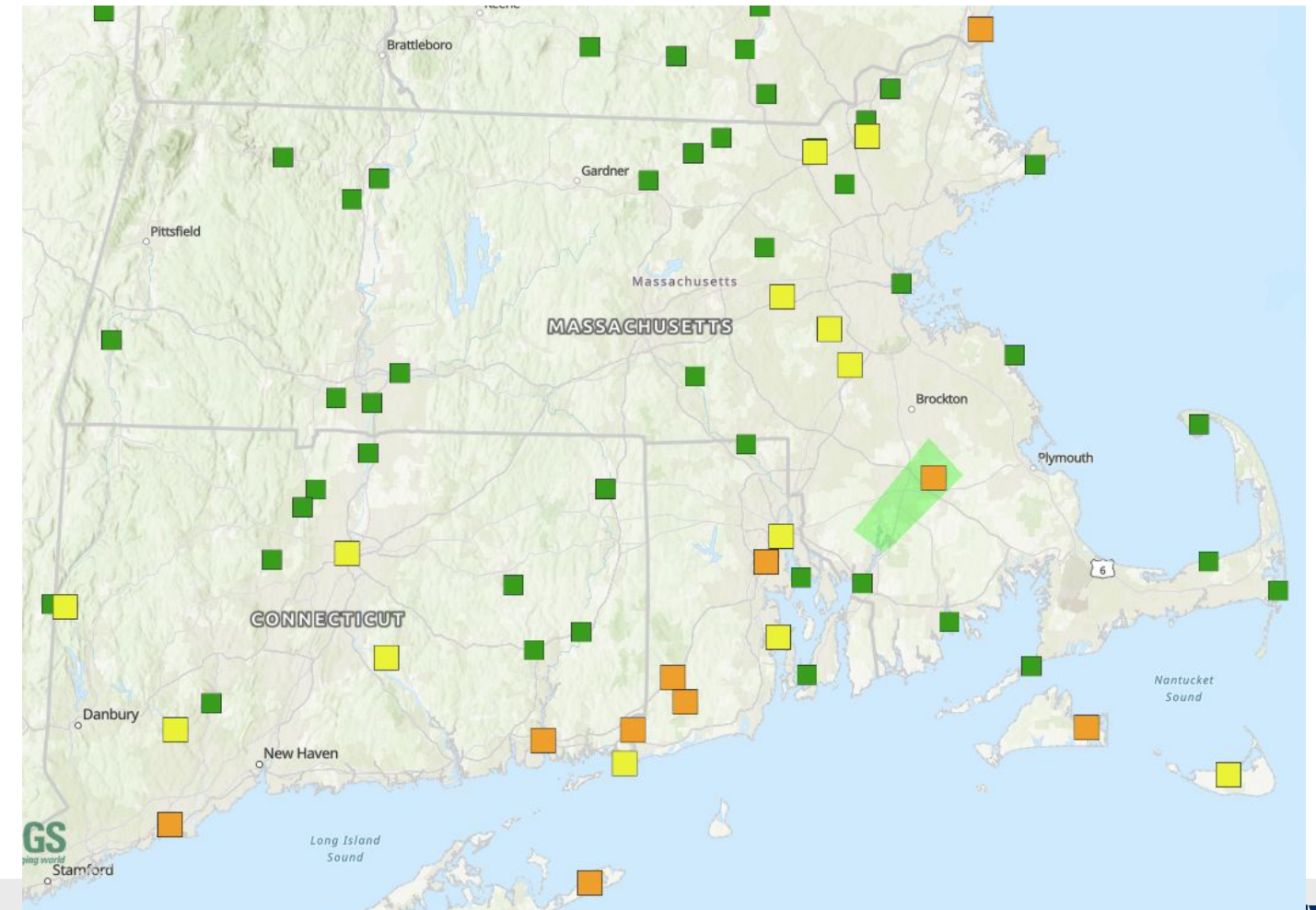


Significant Rainfall & Additional River Flooding

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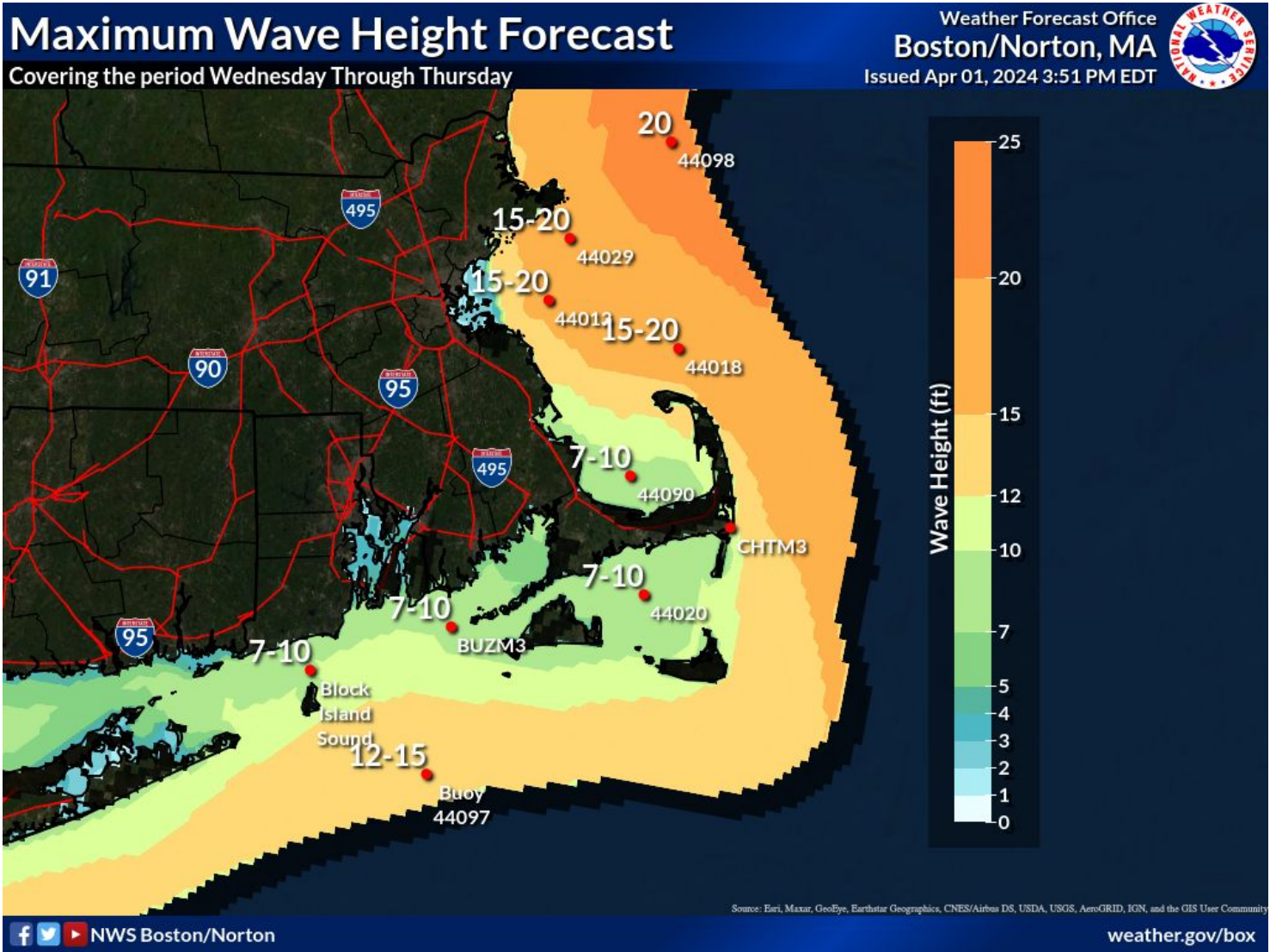
- Significant rainfall of 1.5 up to 3" is expected
- Expected renewed rises on area rivers, leading to some minor flooding as early as Thursday (orange markers on map below)
- For River Forecasts, refer to: <https://water.noaa.gov/>



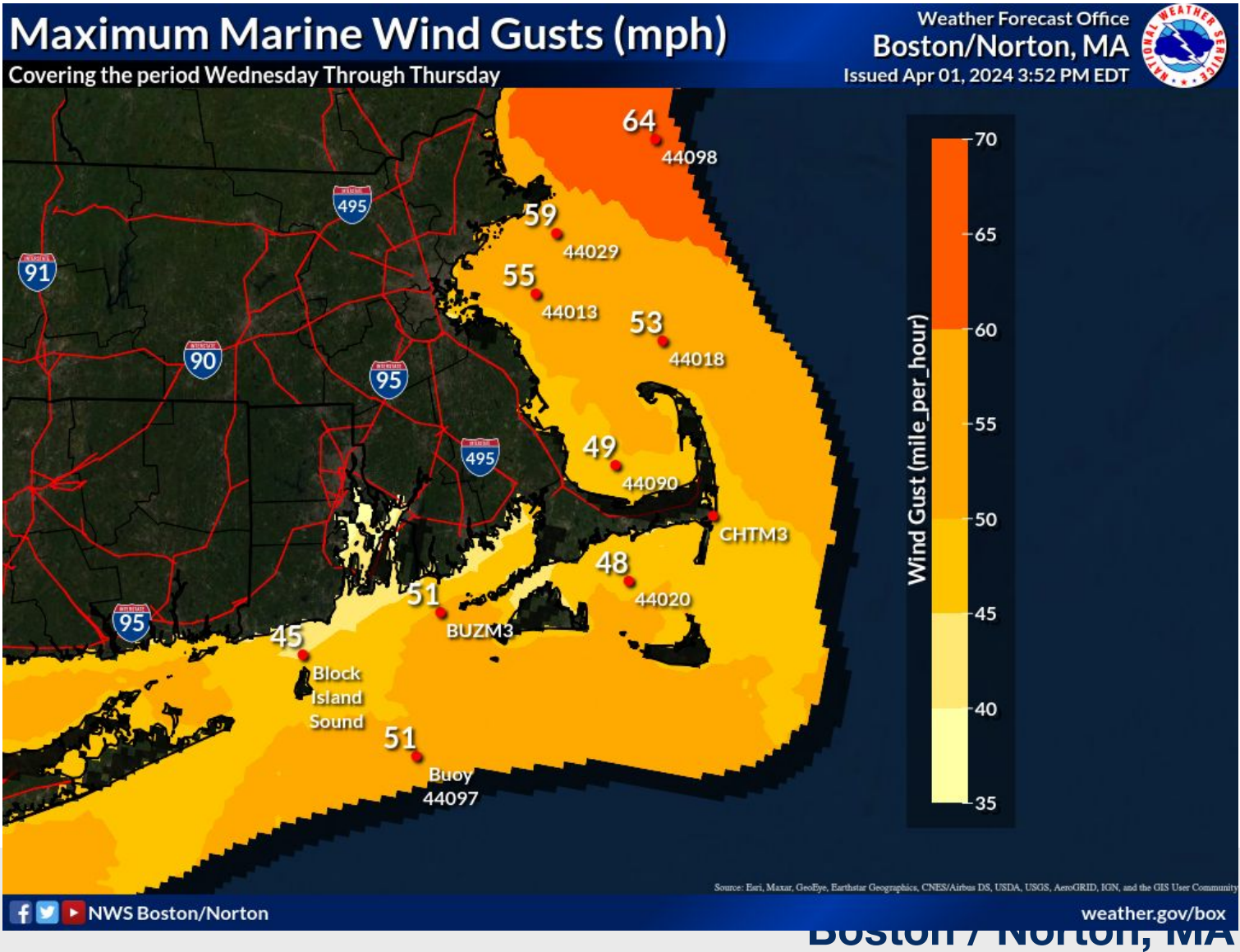


Strong Wind Gusts

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- Rough marine conditions developing Wednesday





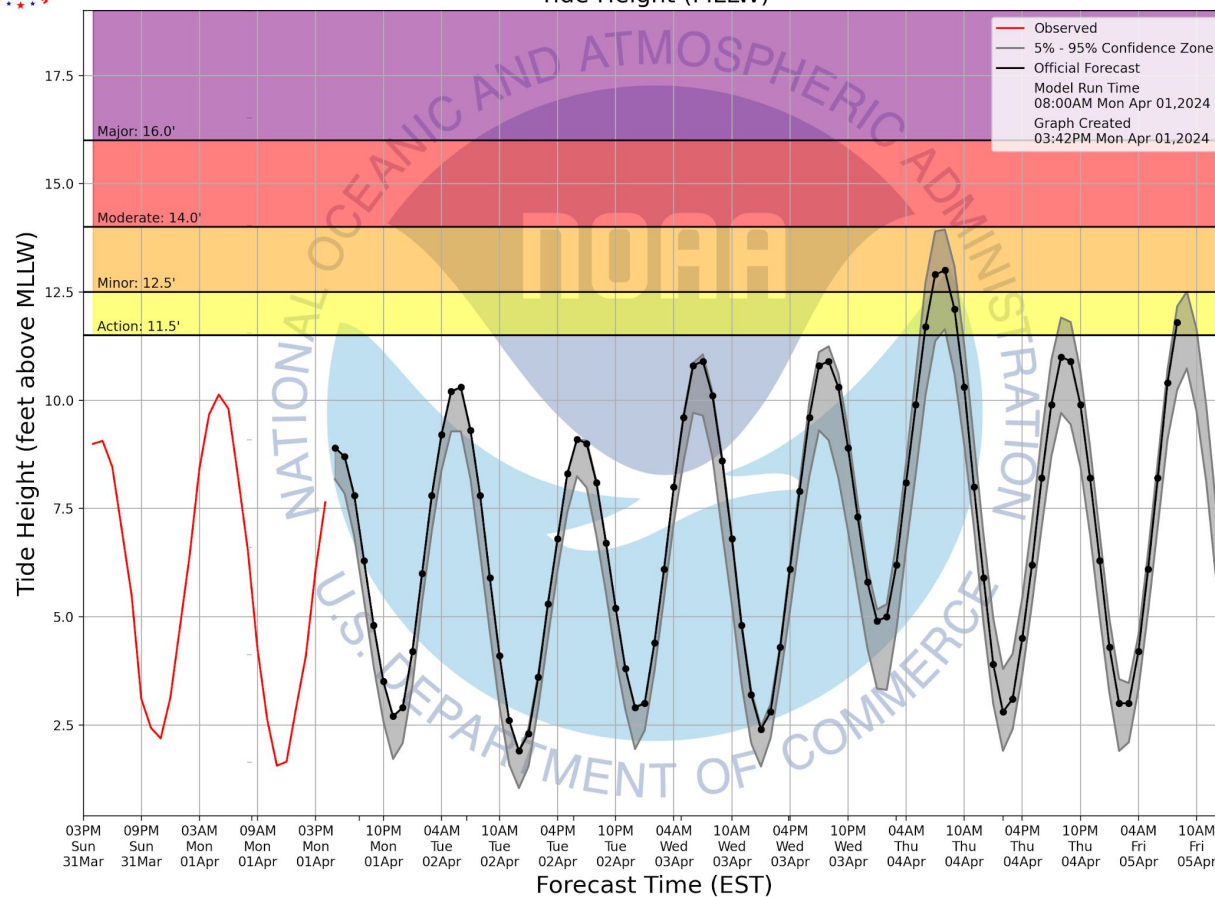
Coastal Flooding Potential

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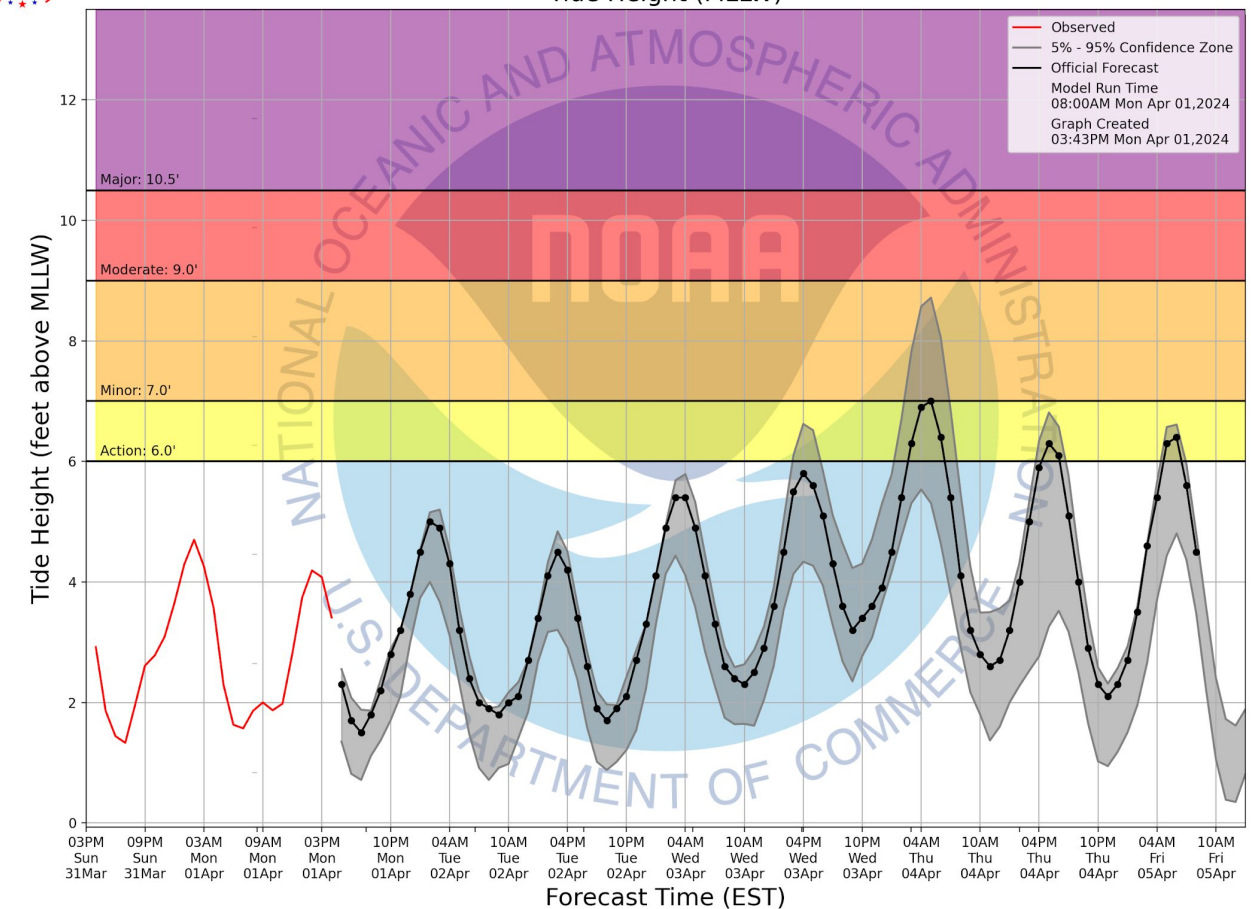
- Concern for minor coastal flooding around time of the Thursday morning high tide
- Still uncertainty in the amount of storm surge and if it lines up with the time of high tide
- Refer to the [NWS Boston Coastal Flood Page](#) for latest information



Boston Harbor at Boston, MA
Tide Height (MLLW)



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





Contact and Next Briefing Information

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For NWS Boston/North County Warning Area



Briefing Webpage

- [Winter Weather Information](#)
- [Additional Forecast Information](#)



Next Briefing

- By 6:00 AM Tuesday April 2
- Method: Email



Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 6:00 AM Tuesday April 2



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