



Winter Weather Briefing

For Southern New England

April 2, 2024
3:36 PM

Decision Support Briefing #3

→ As of 4:00 PM, Tuesday April 2nd

NEW

Important Updates

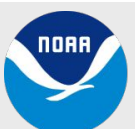
- Expanded the Winter Storm Watch to the Worcester Hills
- High Wind Watch for the coast
- Coastal Flood Watch for both coasts

Hazards

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



Graphic Created
April 2nd, 2024
2:31 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

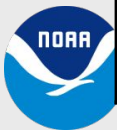




Main Points

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Hazard	Impacts	Location	Timing
Damaging Wind 	Trees and downed power lines.	The southern and eastern coastlines, 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

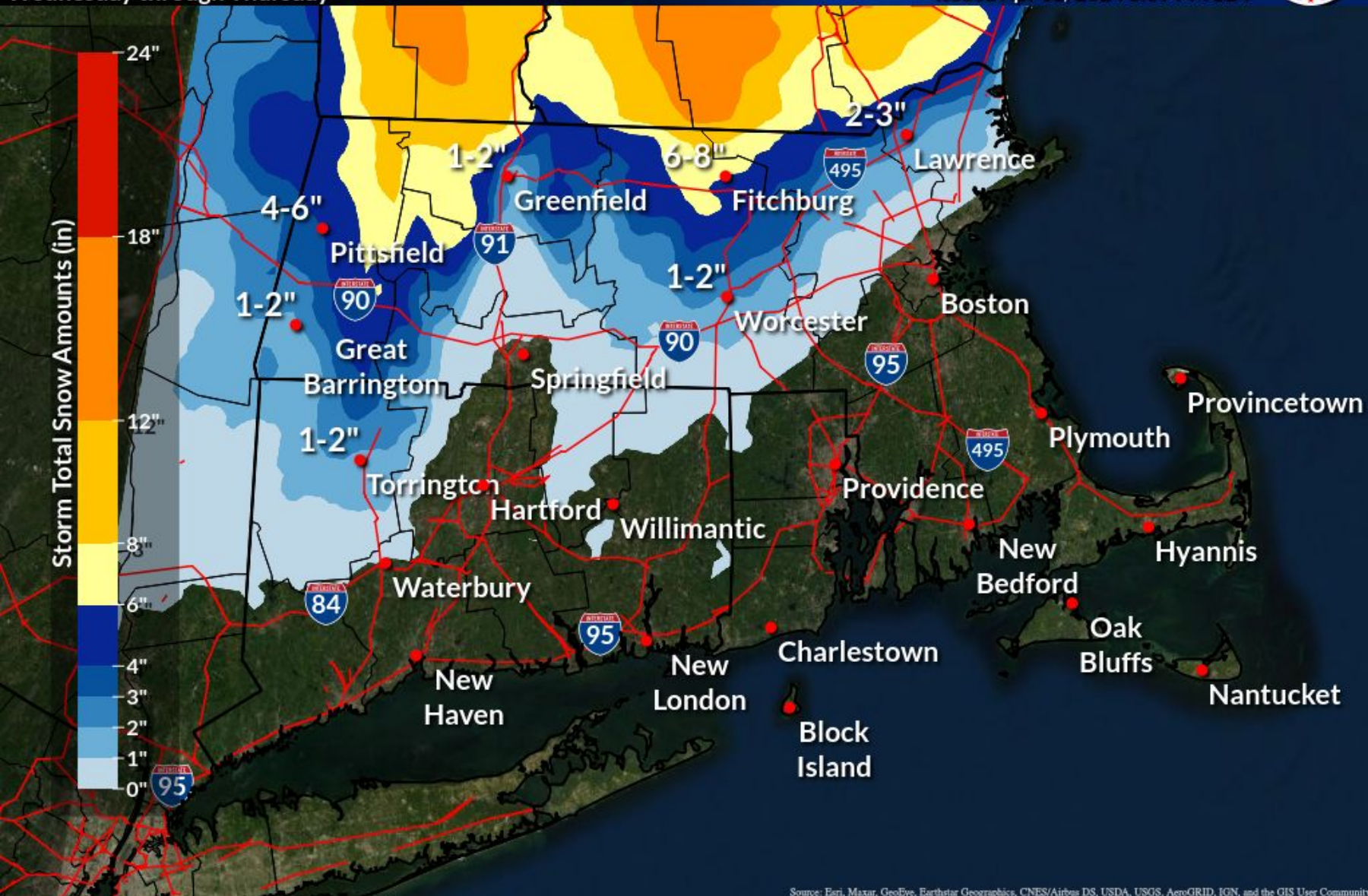
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Forecast Snowfall

Wednesday through Thursday

Weather Forecast Office
Boston/Norton, MA

Issued Apr 02, 2024 3:09 PM EDT

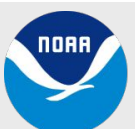


Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWS Boston/Norton

weather.gov/box

- Snowfall amounts have been increased for northern areas
- 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.



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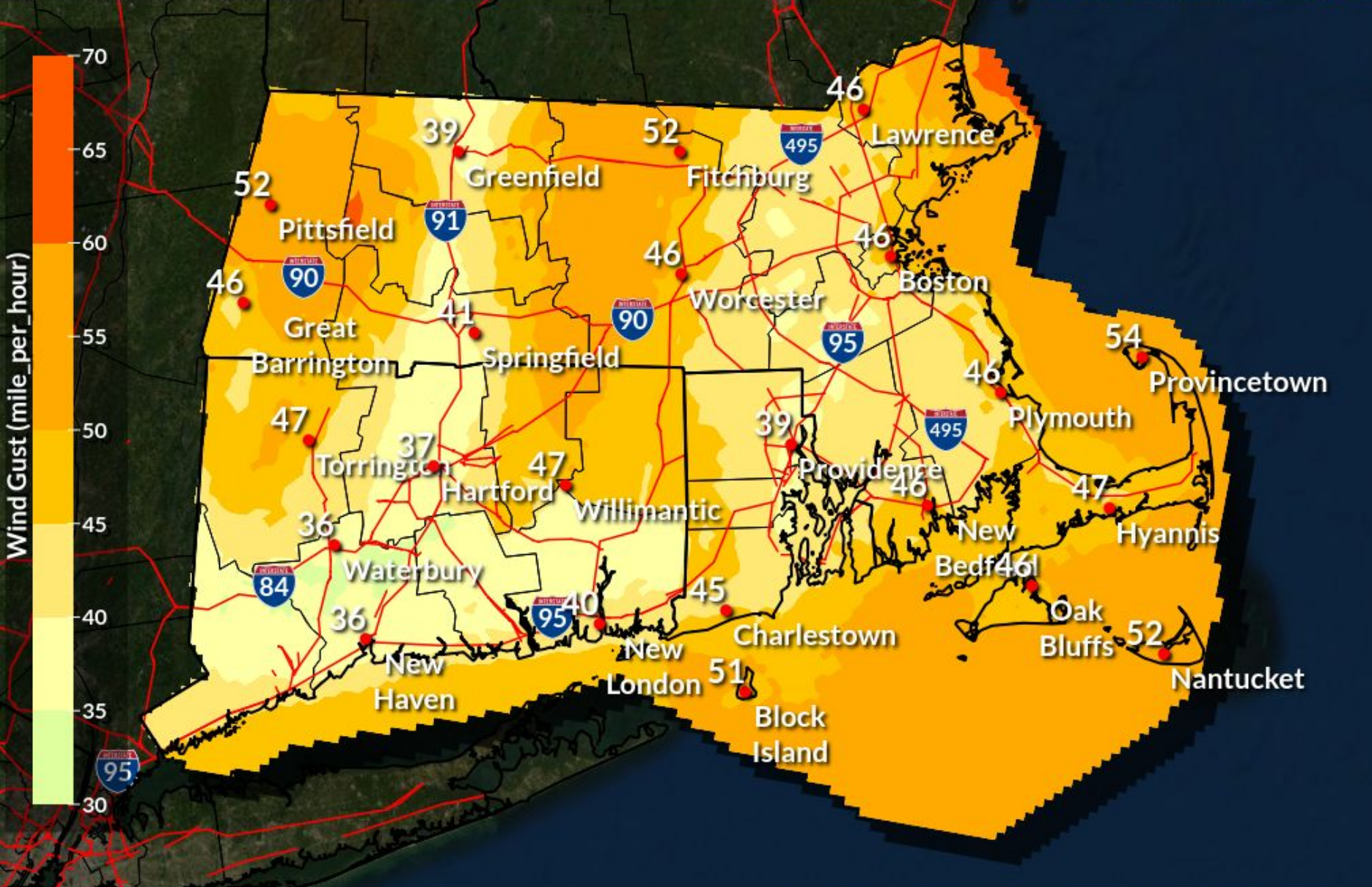
Strong Wind Gusts

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Forecast Max Wind Gusts

Wednesday through Thursday

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- 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



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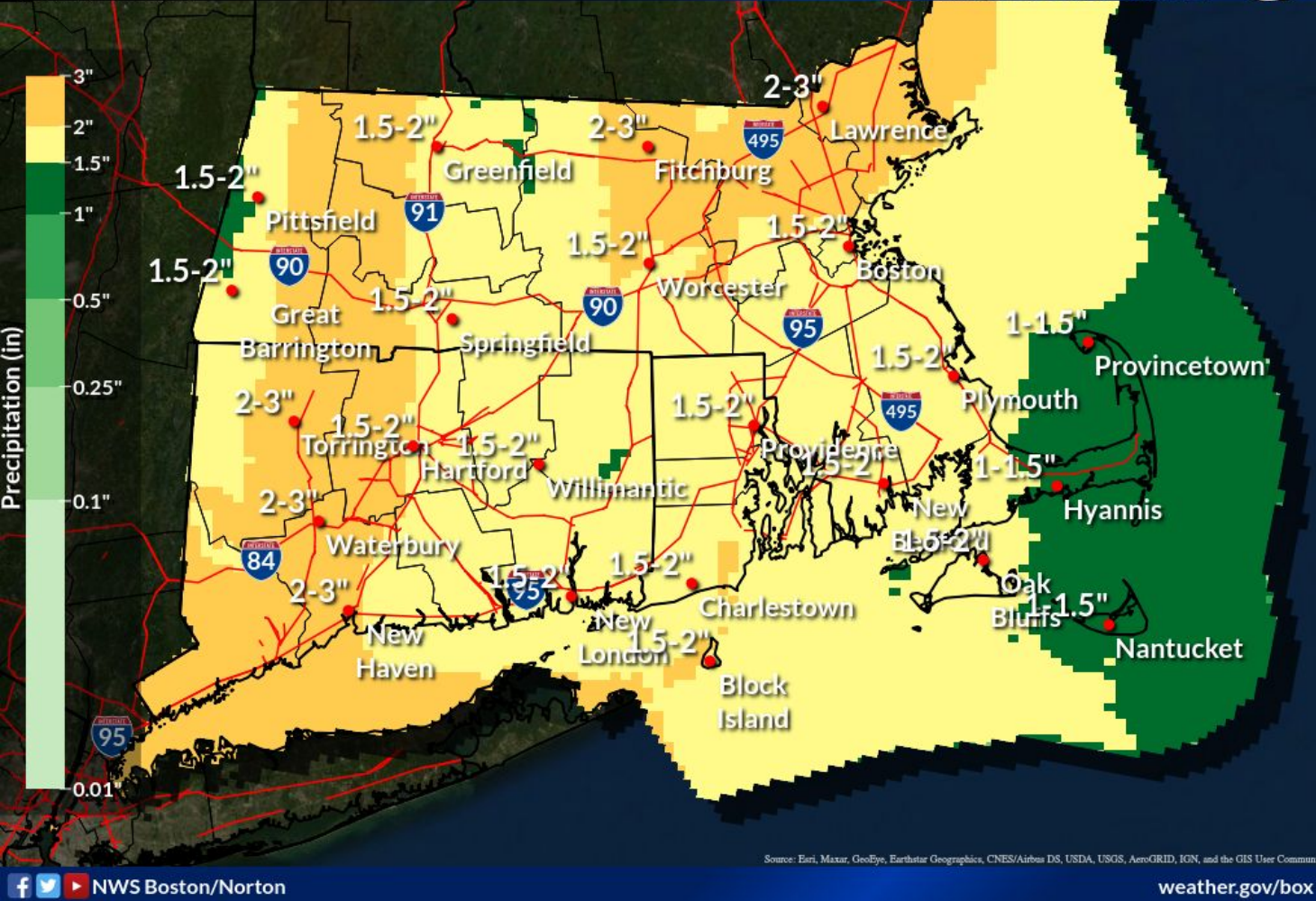
Significant Rainfall & Additional River Flooding

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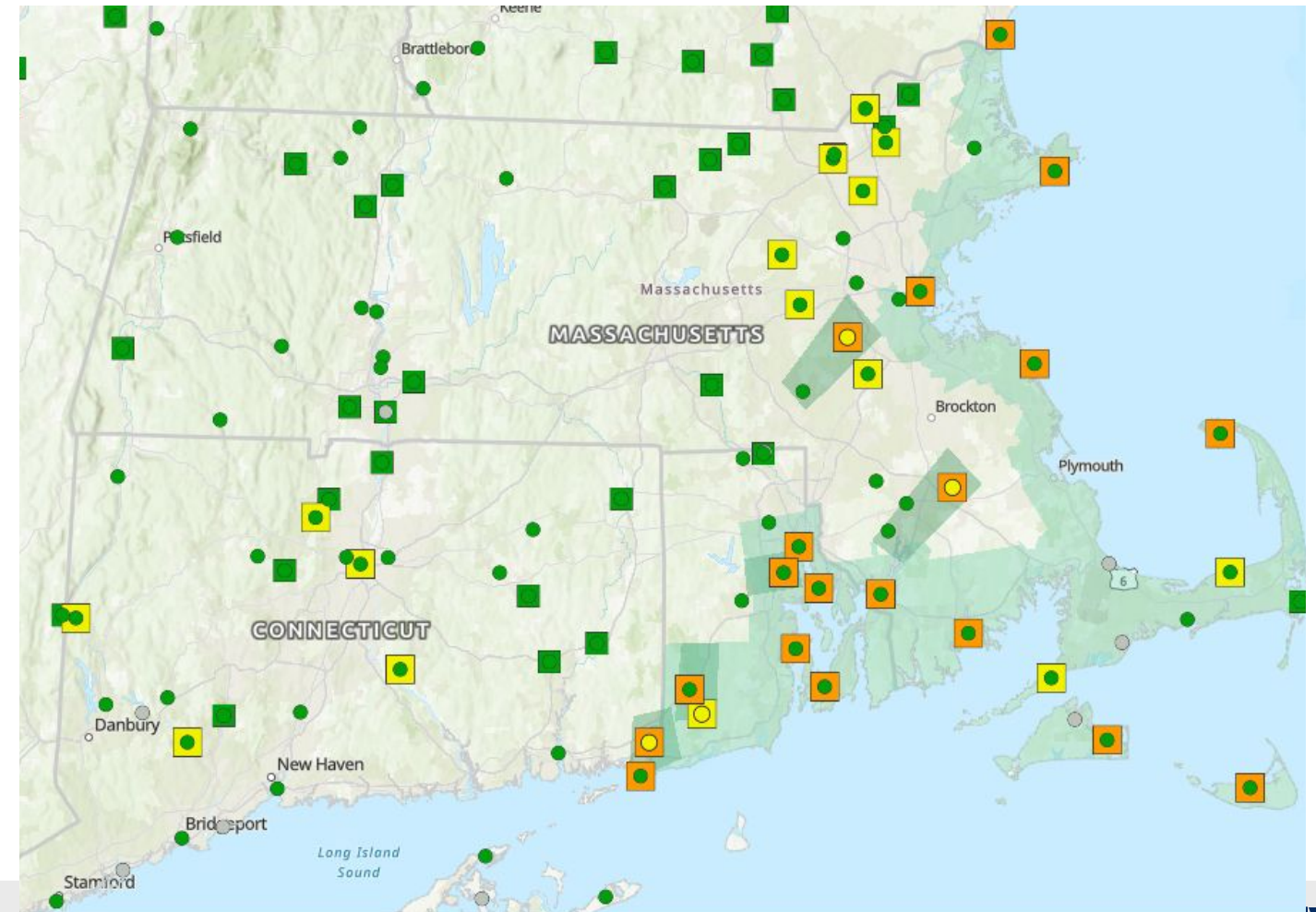
Forecast Rainfall

Through Thursday

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- Significant rainfall of 1.5 to 3" is 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/>



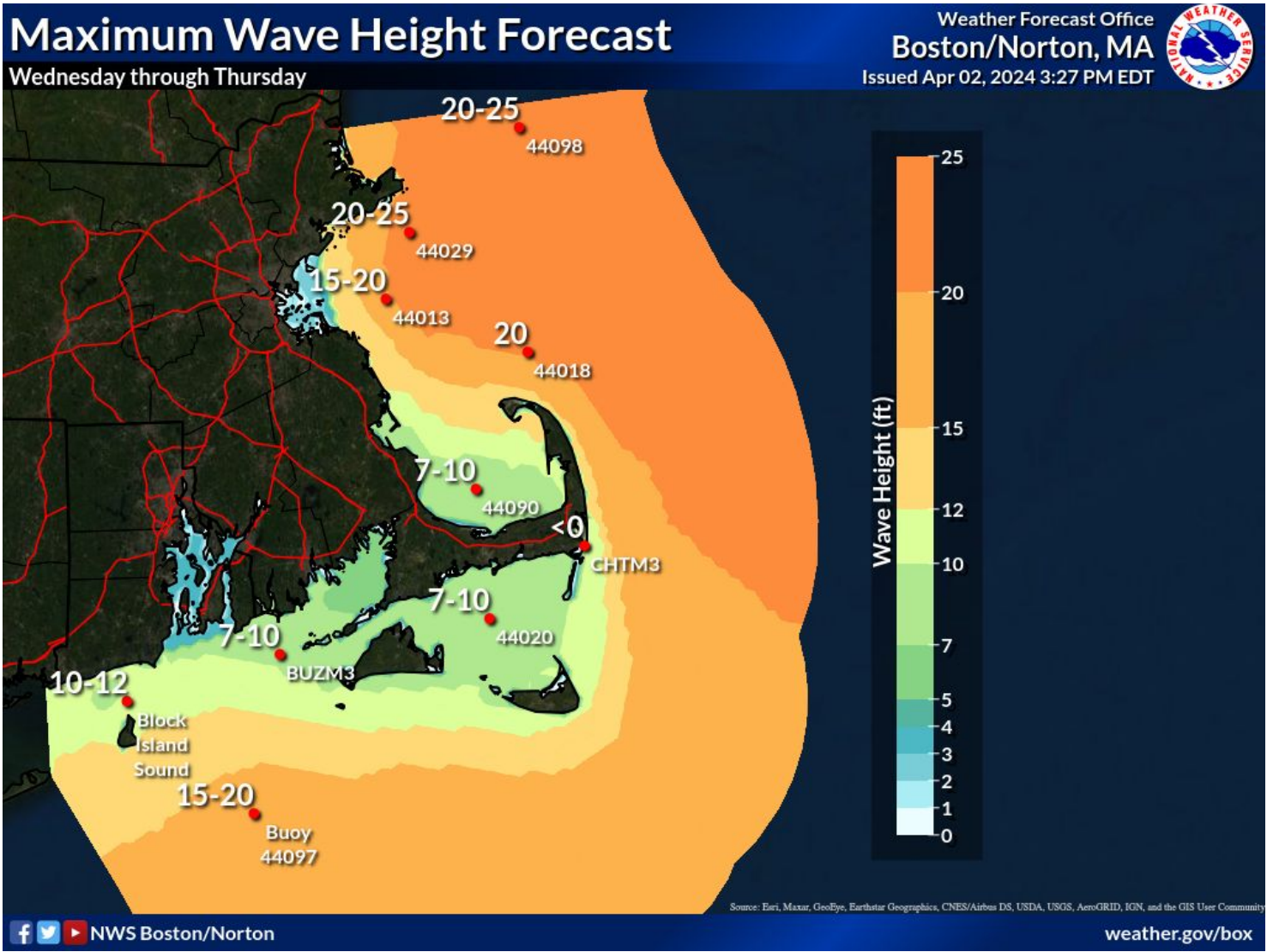
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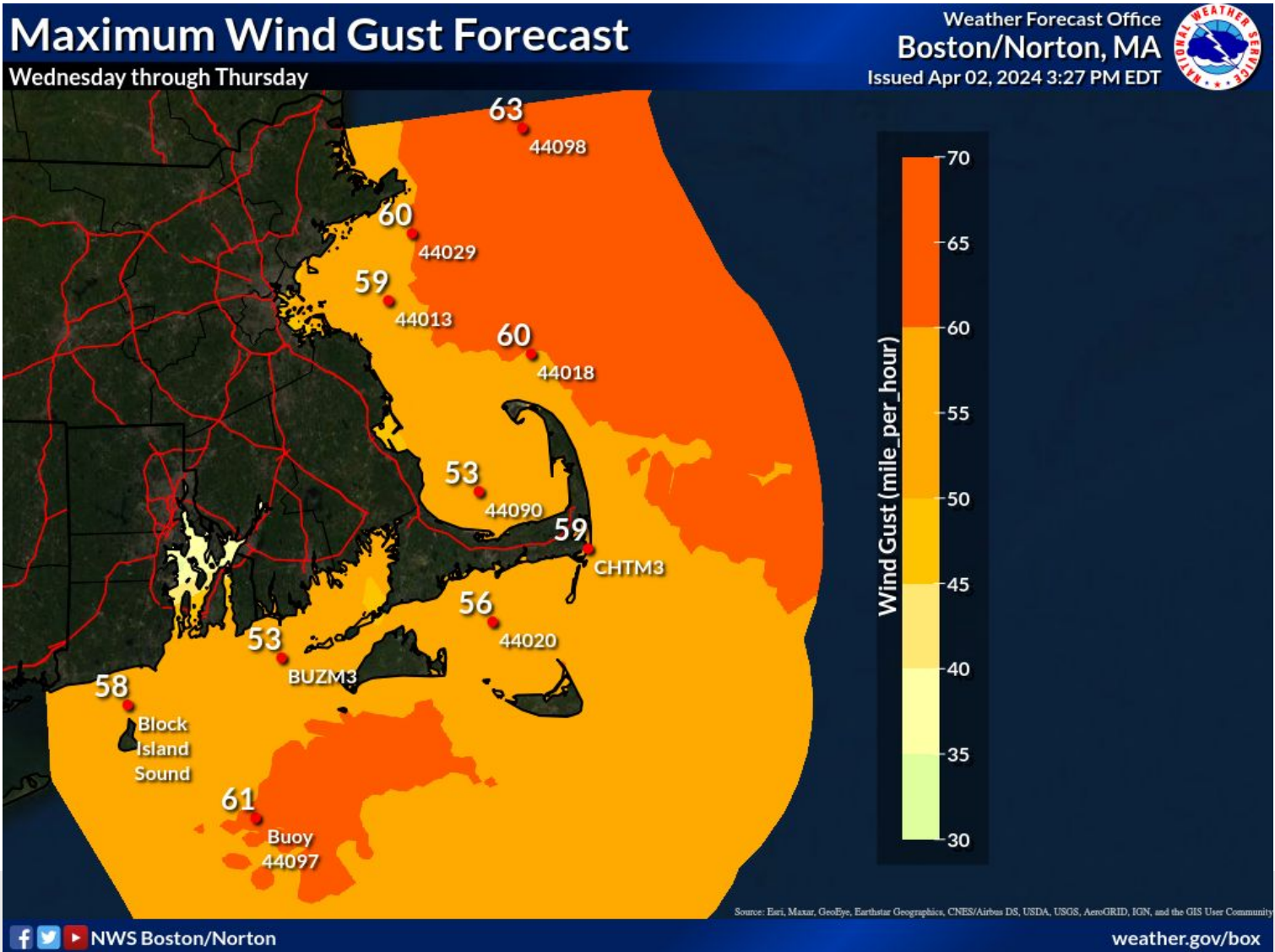


Strong Wind Gusts

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- Rough marine conditions developing Wednesday

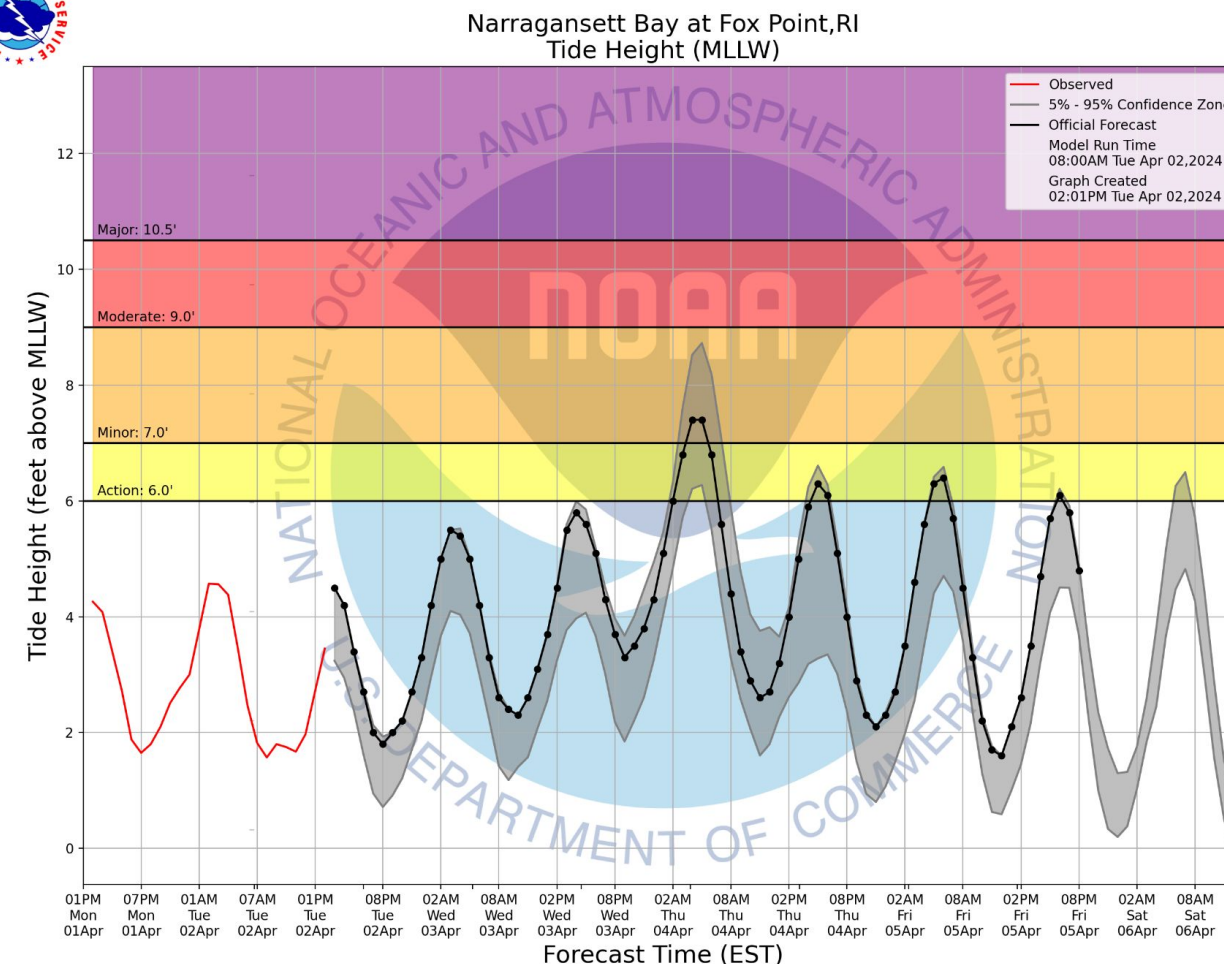
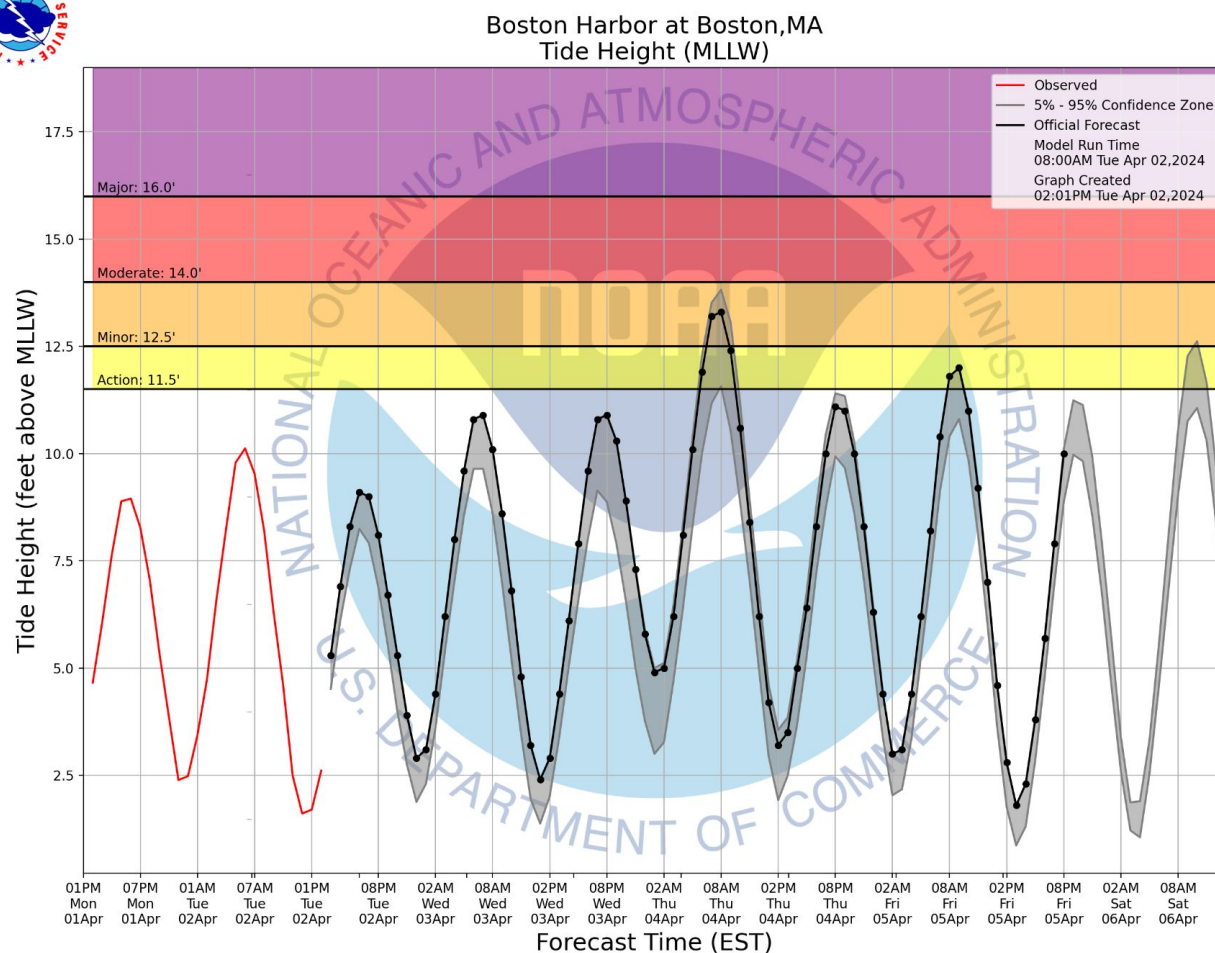




Coastal Flooding Potential

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- Concern for minor to moderate coastal flooding around time of the Thursday morning high tide
- Beach erosion due to wave action along the eastern MA coastline, especially northeast MA
- 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





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 Wednesday April 3
- Method: Email



Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 6:00 AM Wednesday April 3



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