



Winter Weather Briefing

For Southern New England

April 3, 2024
2:57 PM

Decision Support Briefing #5

→ As of 4:00 PM, Wednesday April 3rd

NEW

Important Updates

- Winter Storm Watches expanded to southern Worcester County and parts of Middlesex County for sleet
- Coastal Flood Watch upgraded to a Coastal Flood Warning for the east coast and downgraded to a Coastal Flood Advisory for the south coast

Hazards

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



Graphic Created
April 3rd, 2024
2:15 PM CDT



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

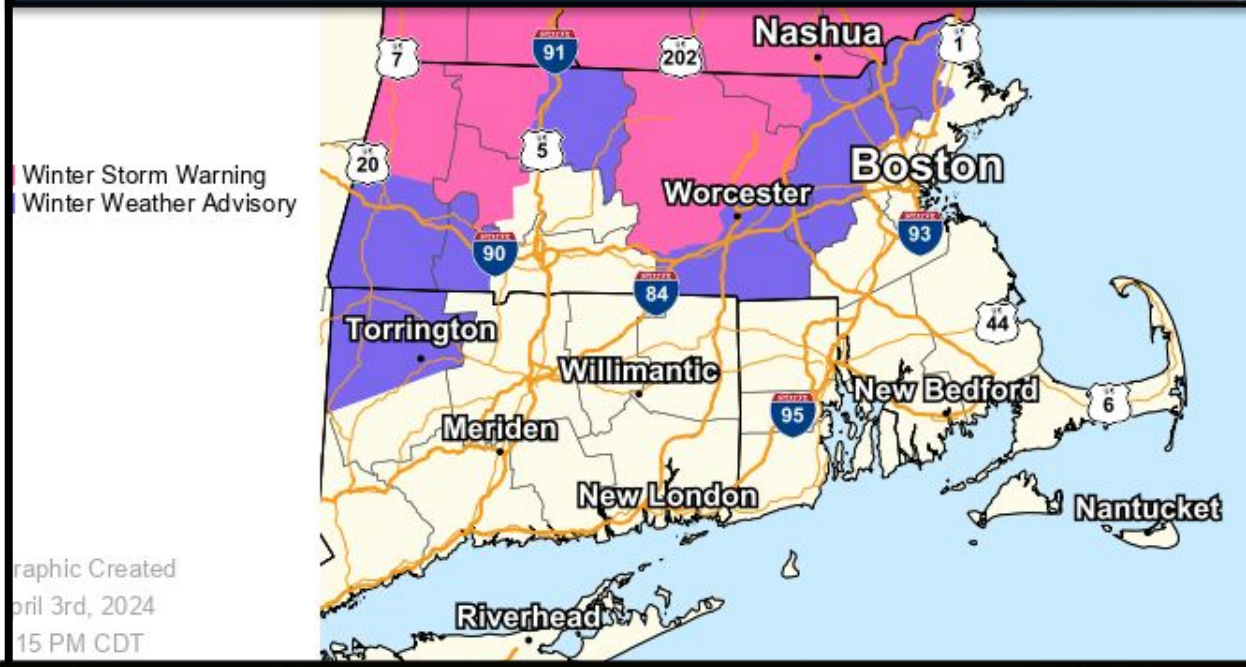
National Weather Service
Boston / Norton, MA



Active Headlines

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Winter Weather Hazards



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Marine / Coastal Hazards



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Wind Related Hazards



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Flooding Hazards



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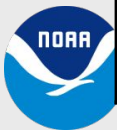
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n, MA



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 Tonight 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.	Tonight 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	This morning through Thursday afternoon





Forecast Storm Total Snowfall

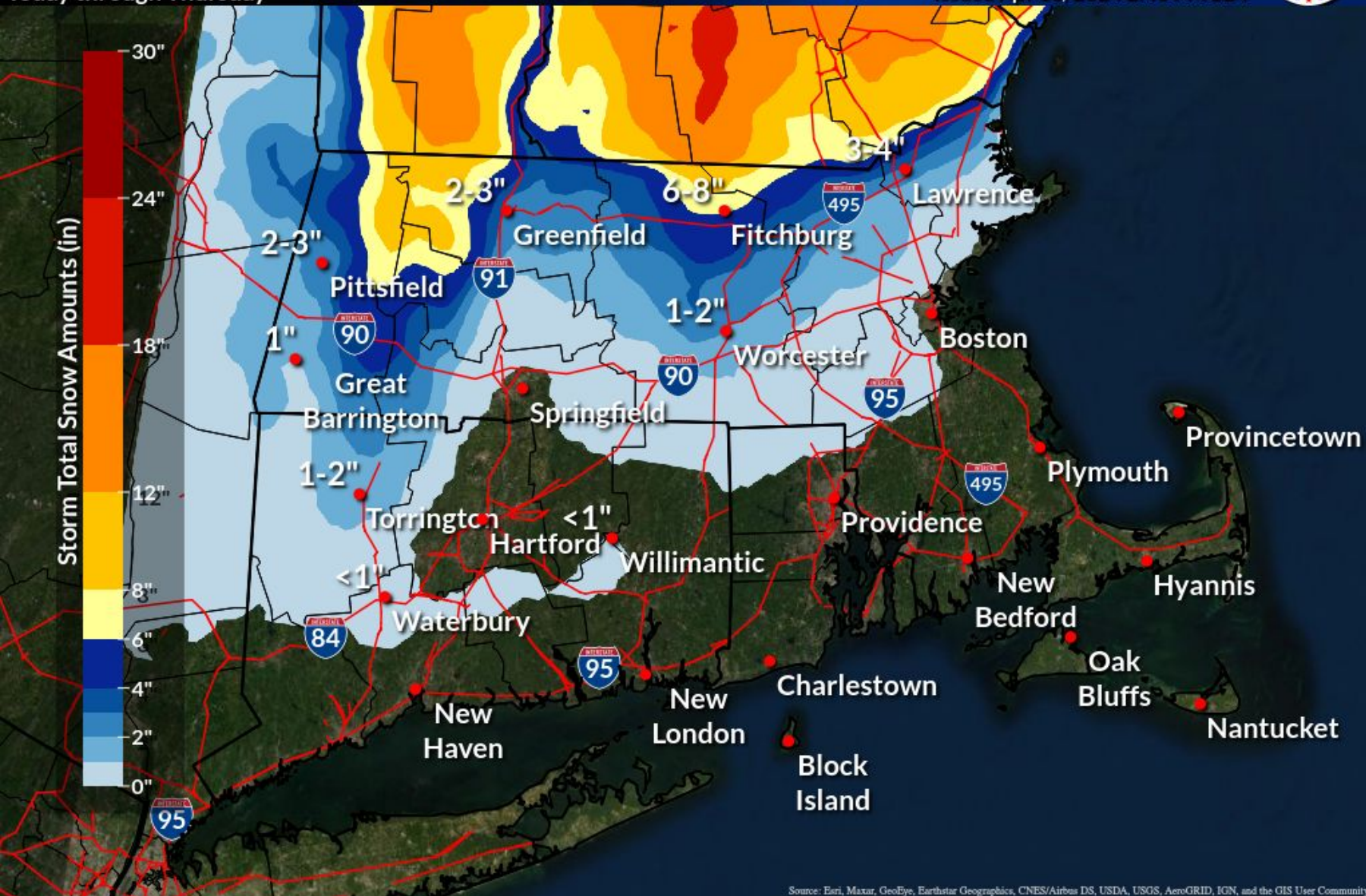
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Forecast Snowfall

Today through Thursday

Weather Forecast Office
Boston/Norton, MA

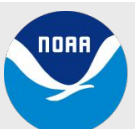
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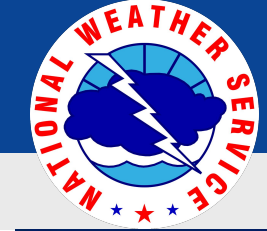
weather.gov/box

- Snowfall towards the NE MA coast remains complicated, hence greater uncertainty
- Expect to see large variations in snowfall with elevation (more snow at higher elevations)
- Snow will be wet and dense
 - Potential to cause downed limbs and power outages
- Greatest chance for accumulating snowfall is expected tonight.



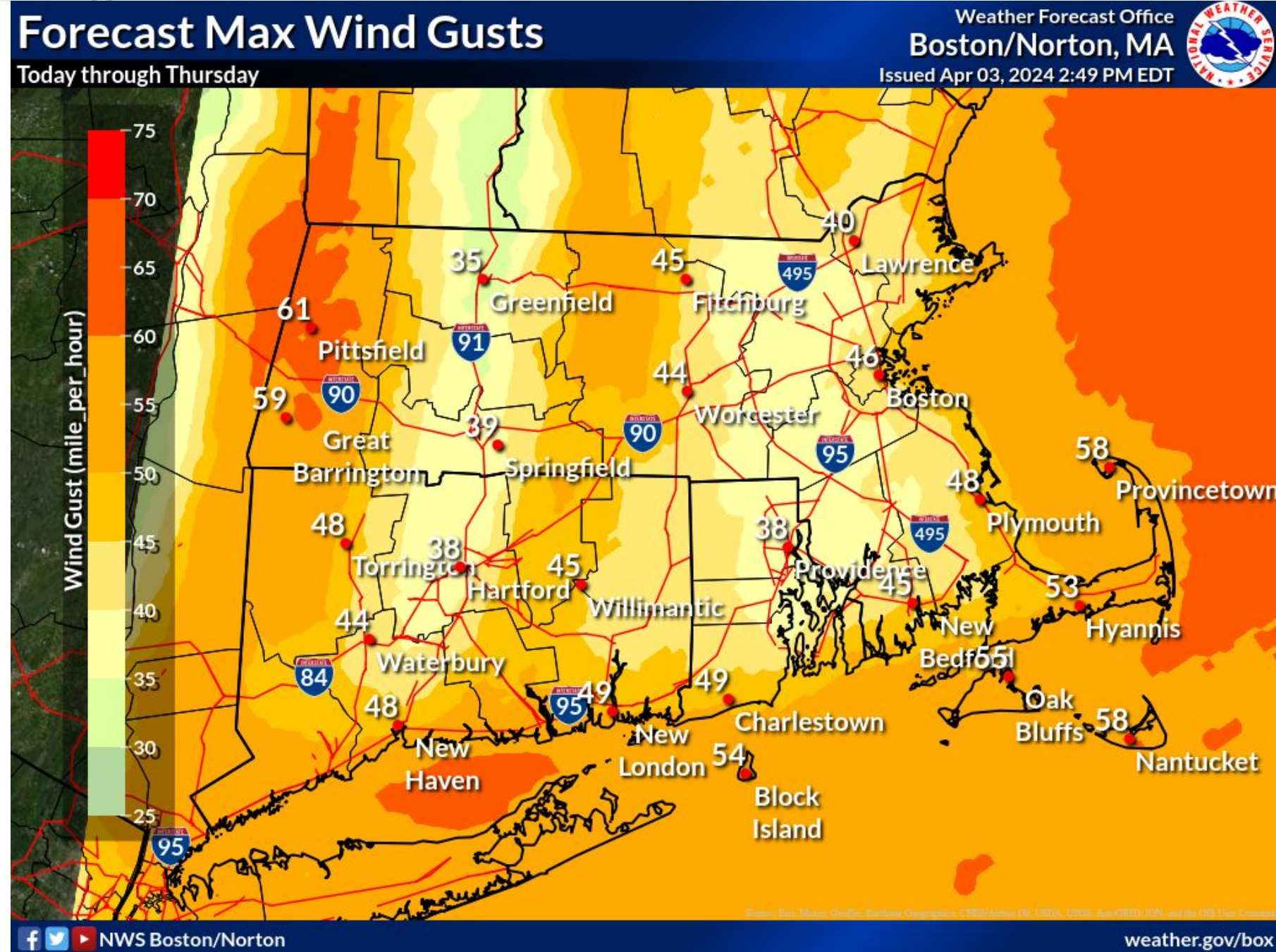
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Strong Wind Gusts

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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

Maximum Wind Gust Forecast (mph)

	4/3 Wed			4/4 Thu						
	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm
Boston	37↙	41↙	41↙	41↙	45↙	45↙	40↙	35↙	28↙	23↙
Gloucester	37↙	43↙	44↙	47↙	53↙	53↙	51↙	44↙	37↙	31↙
Hartford	35↙	39↙	35↙	29↙	30↙	26↙	22↙	20↙	18↙	17↙
Hyannis	39↙	43↙	48↙	55↙	53↙	45↙	35↙	26↙	29↙	28↙
Lowell	32↙	36↙	36↙	36↙	38↙	39↙	38↙	36↙	30↙	23↙
Nantucket	44↙	48↙	55↙	58↙	53↙	43↙	30↙	35↙	33↙	29↙
New Bedford	38↙	39↙	45↙	46↙	40↙	33↙	26↙	22↙	23↙	22↙
New Haven	44↙	47↙	46↙	40↙	32↙	25↙	23↙	21↙	18↙	16↙
Newport	40↙	44↙	45↙	44↙	37↙	32↙	24↙	22↙	22↙	21↙
Pittsfield	59↙	62↙	59↙	55↙	49↙	46↙	35↙	25↙	17↙	13↙
Providence	35↙	37↙	38↙	33↙	33↙	31↙	28↙	23↙	21↙	17↙
Springfield	36↙	40↙	35↙	32↙	36↙	36↙	30↙	24↙	20↙	17↙
Worcester	39↙	40↙	44↙	39↙	41↙	40↙	36↙	32↙	25↙	20↙

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Maximum Wind Gust Forecast (mph)



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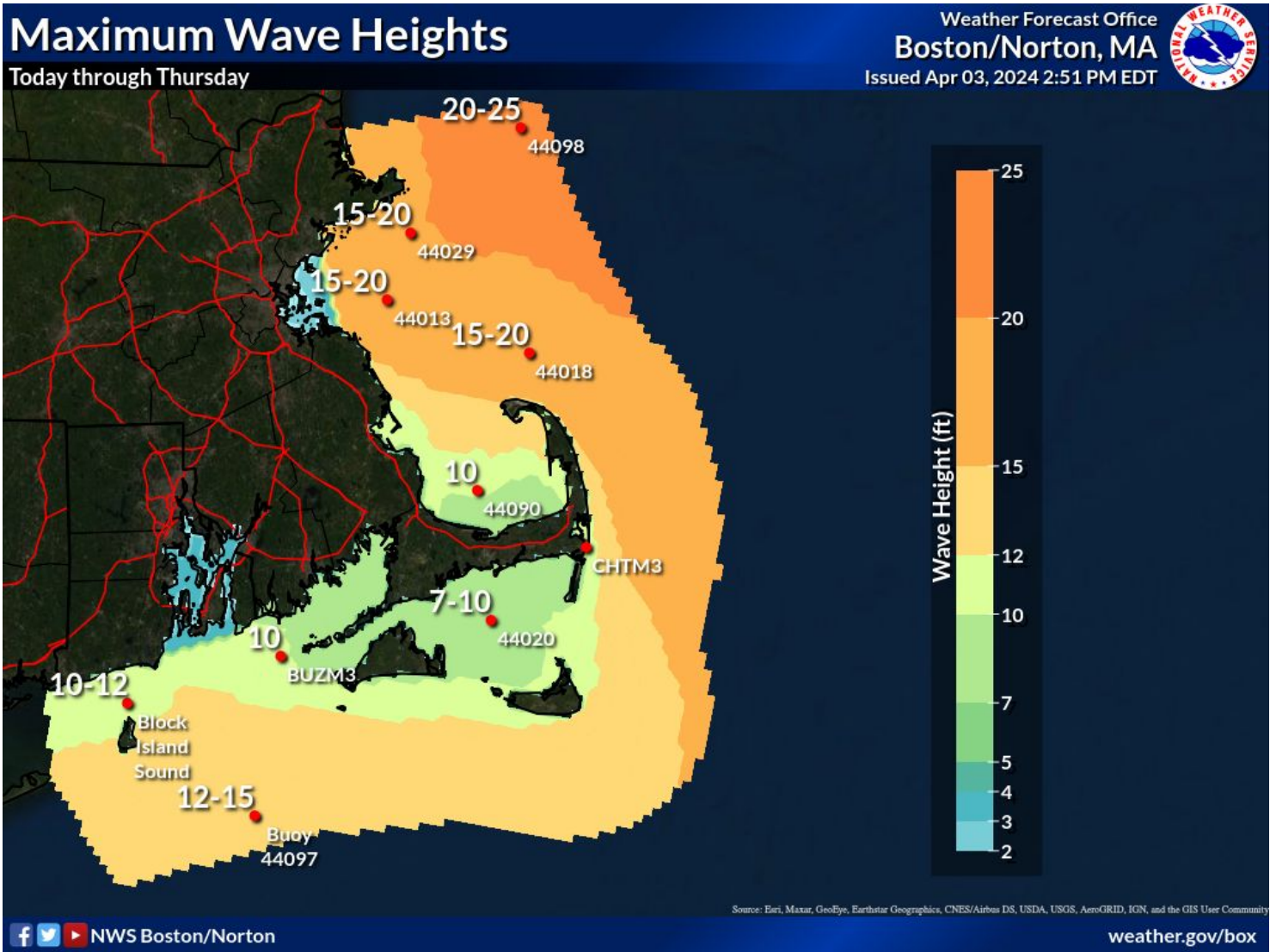
- Significant rainfall of 1.5 to 3" is expected
- Renewed rises on area rivers, leading to some minor flooding as early as Thu (orange markers on map below)
- For River Forecasts, refer to: <https://water.noaa.gov/>



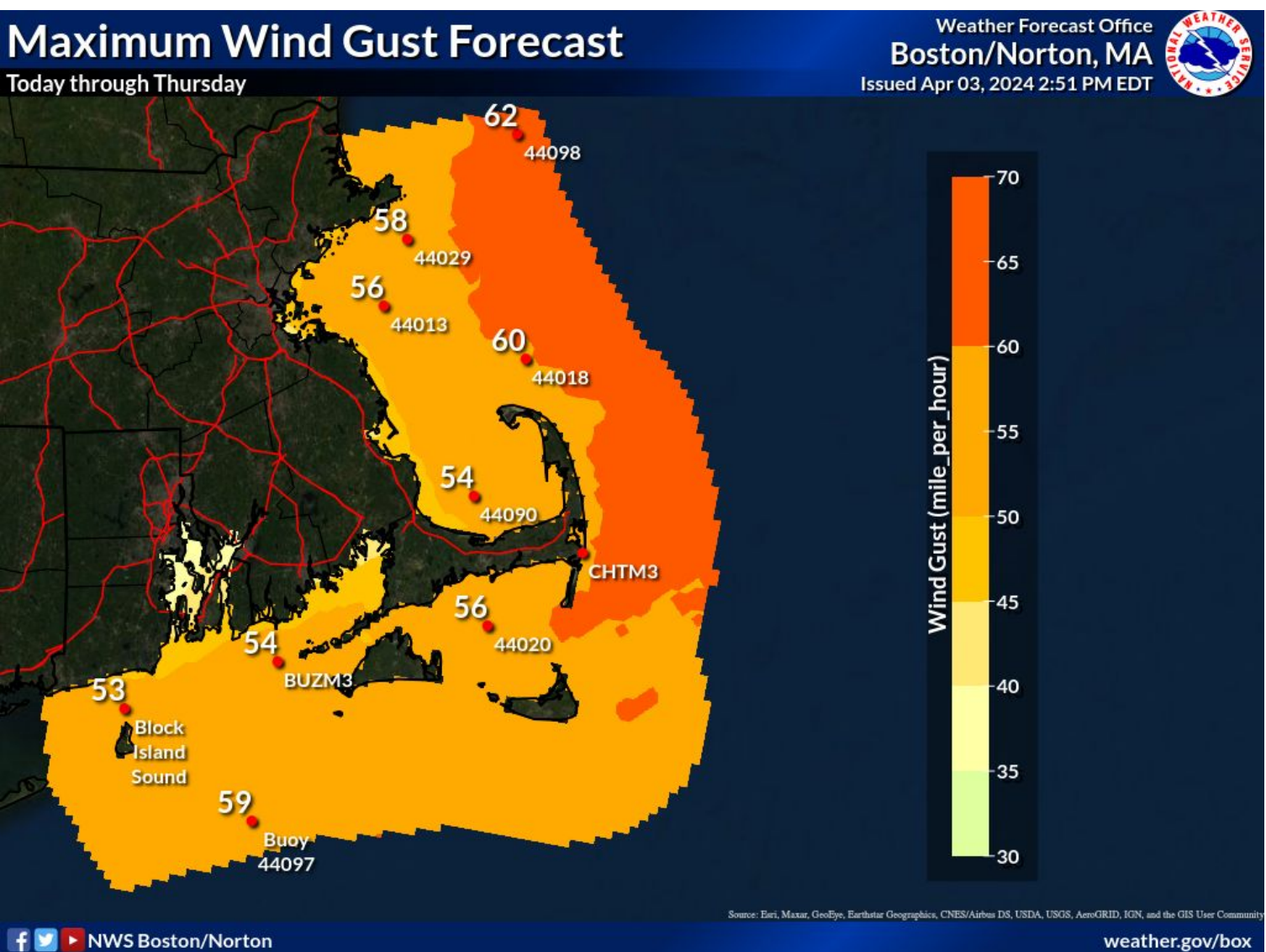


Coastal Waters Winds and Wave Heights

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- Rough marine conditions developing today





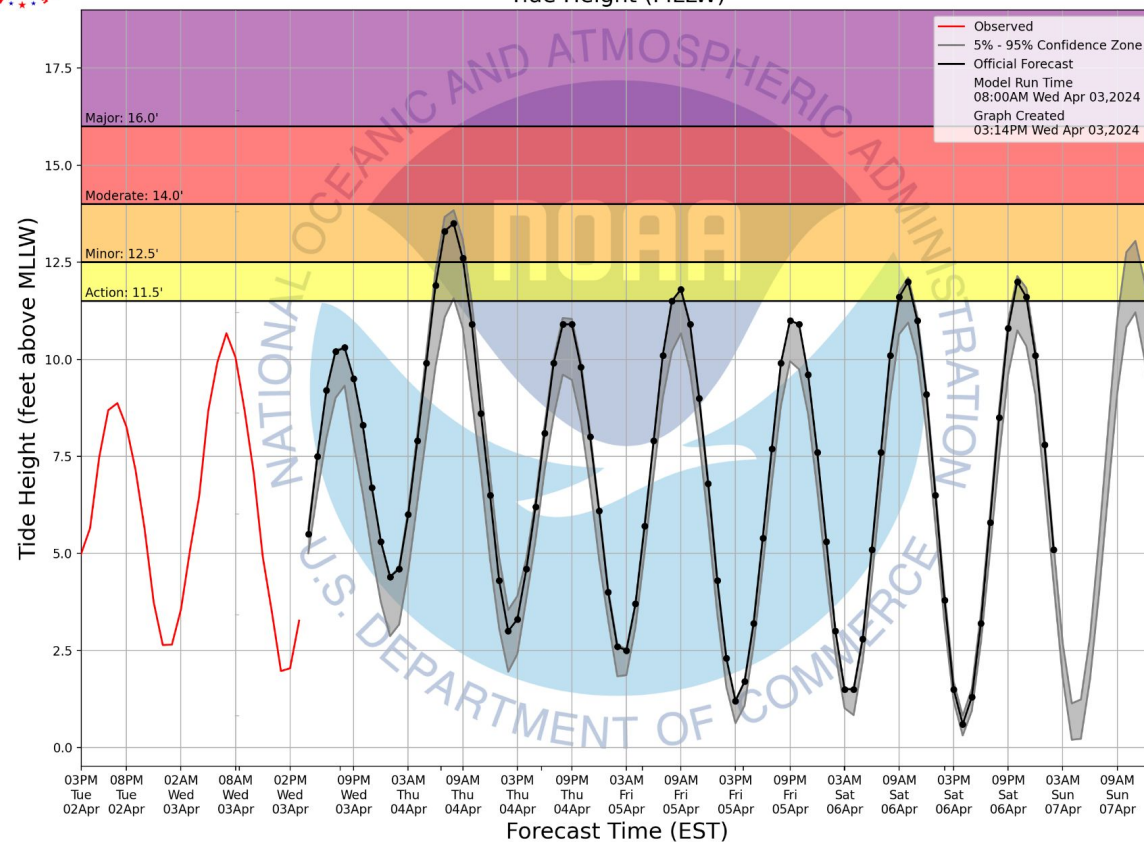
Coastal Flooding Potential

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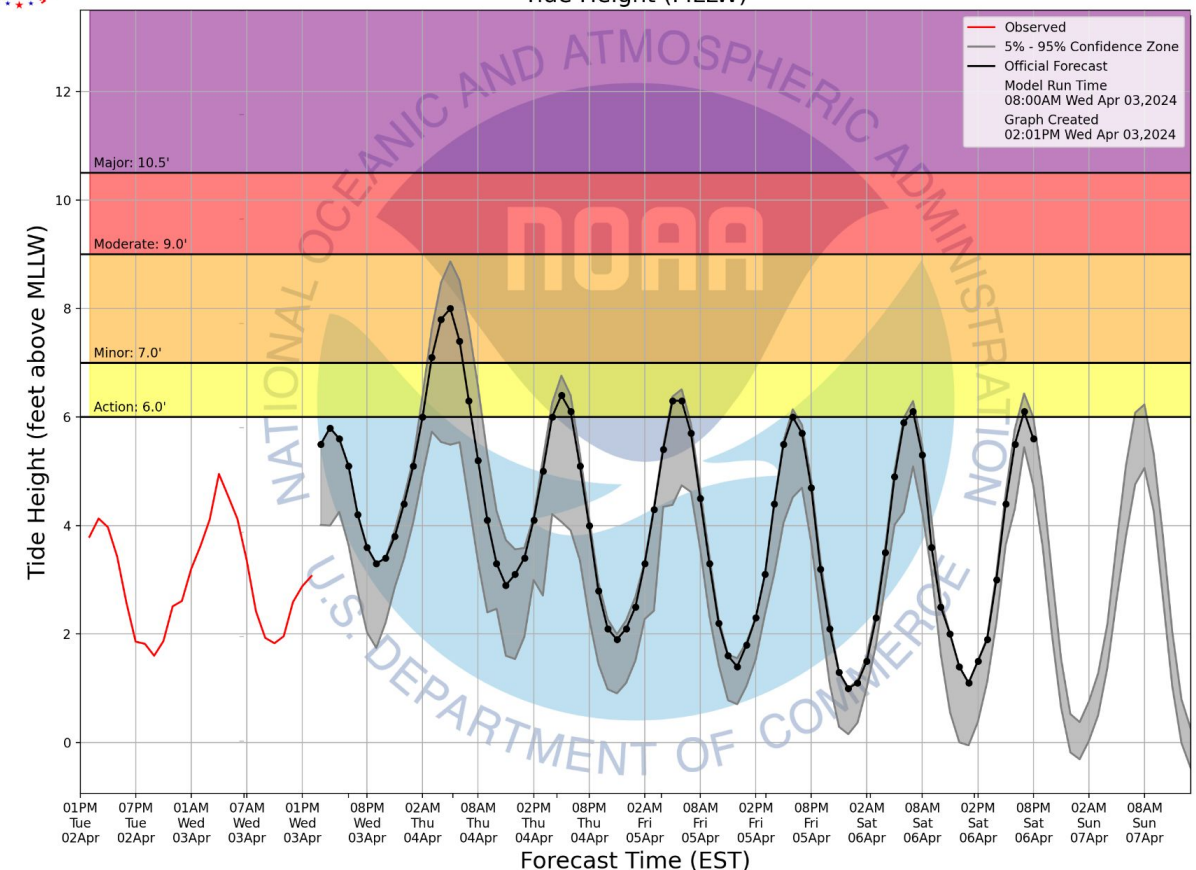
- Concern for minor to moderate coastal flooding around time of the Thursday morning high tide
- Beach erosion due to wave action along the eastern MA coastline, especially northeast MA
- Still uncertainty in the amount of storm surge and if it lines up with the time of high tide
- Refer to the [NWS Boston Coastal Flood Page](#) for latest information



Boston Harbor at Boston, MA
Tide Height (MLLW)



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





Contact and Next Briefing Information

April 3, 2024
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For NWS Boston/North County Warning Area



Briefing Webpage

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



Next Briefing

- This will be the final briefing



Disclaimer

- Information contained in this briefing is time-sensitive



Contact Information

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