



# Winter Weather Briefing

For Southern New England

April 2, 2024

7:03 AM

## Decision Support Briefing #2

→ As of 7:15 AM, Tuesday April 2

NEW

## Important Updates

→ Winter Storm Watch for the Berkshires

### Hazards

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



Graphic Created  
April 2nd, 2024  
5:15 AM CDT



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

National Weather Service  
Boston / Norton, MA





# Active Headlines

April 2, 2024  
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## Winter Weather Hazards



## Marine / Coastal Hazards



## Wind Related Hazards







## Flooding Hazards

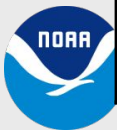




# Main Points

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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 	[Eastern MA Coast] Inundation on vulnerable shoreline roads; beach erosion on east-facing coasts.  [South Coast] Some overwash to minor inundation on vulnerable shoreline roads.	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  
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Issued Apr 02, 2024 4:38 AM EDT

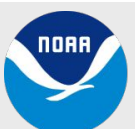


Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWS Boston/Norton

[weather.gov/box](https://weather.gov/box)

- 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.



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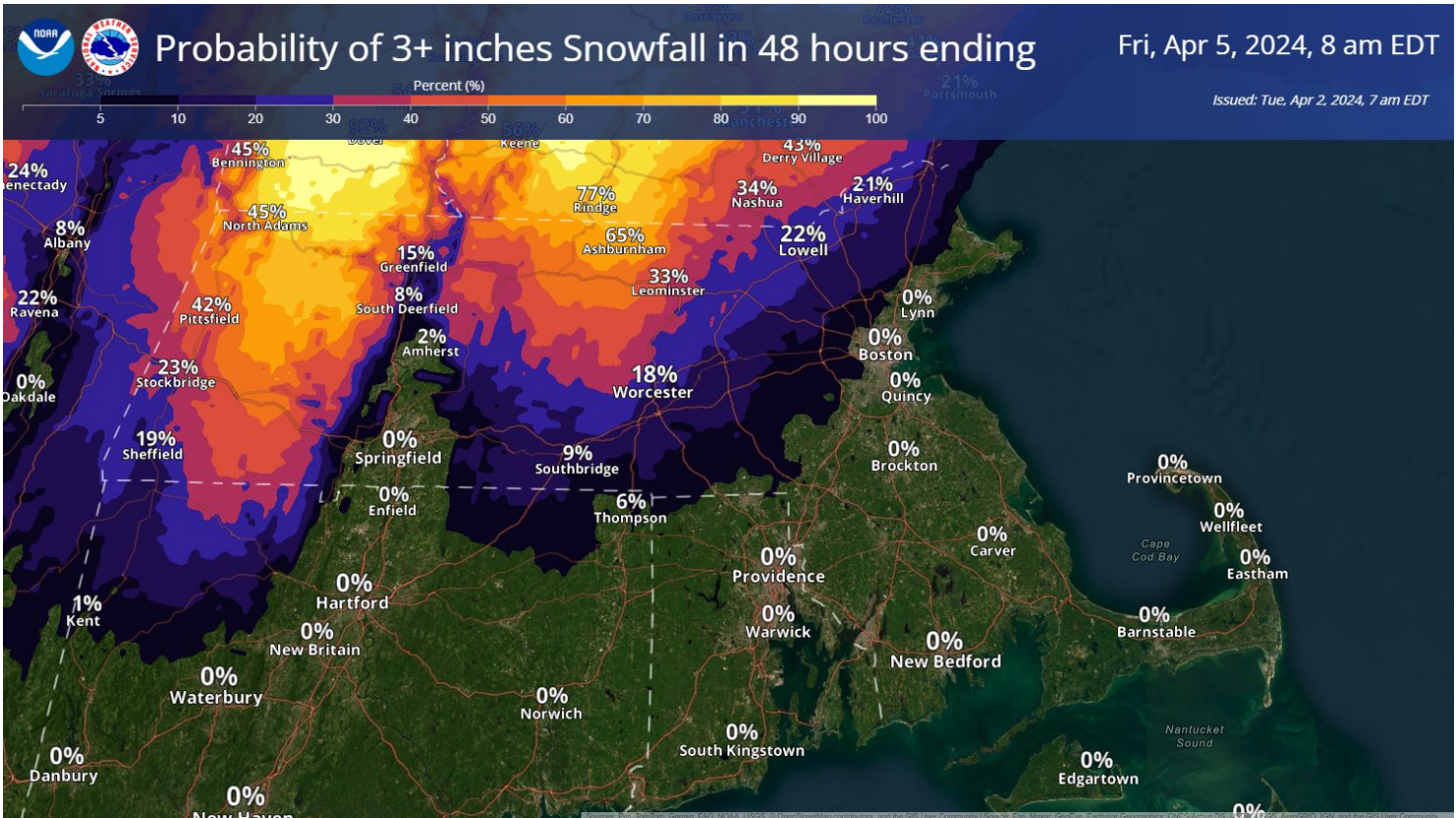




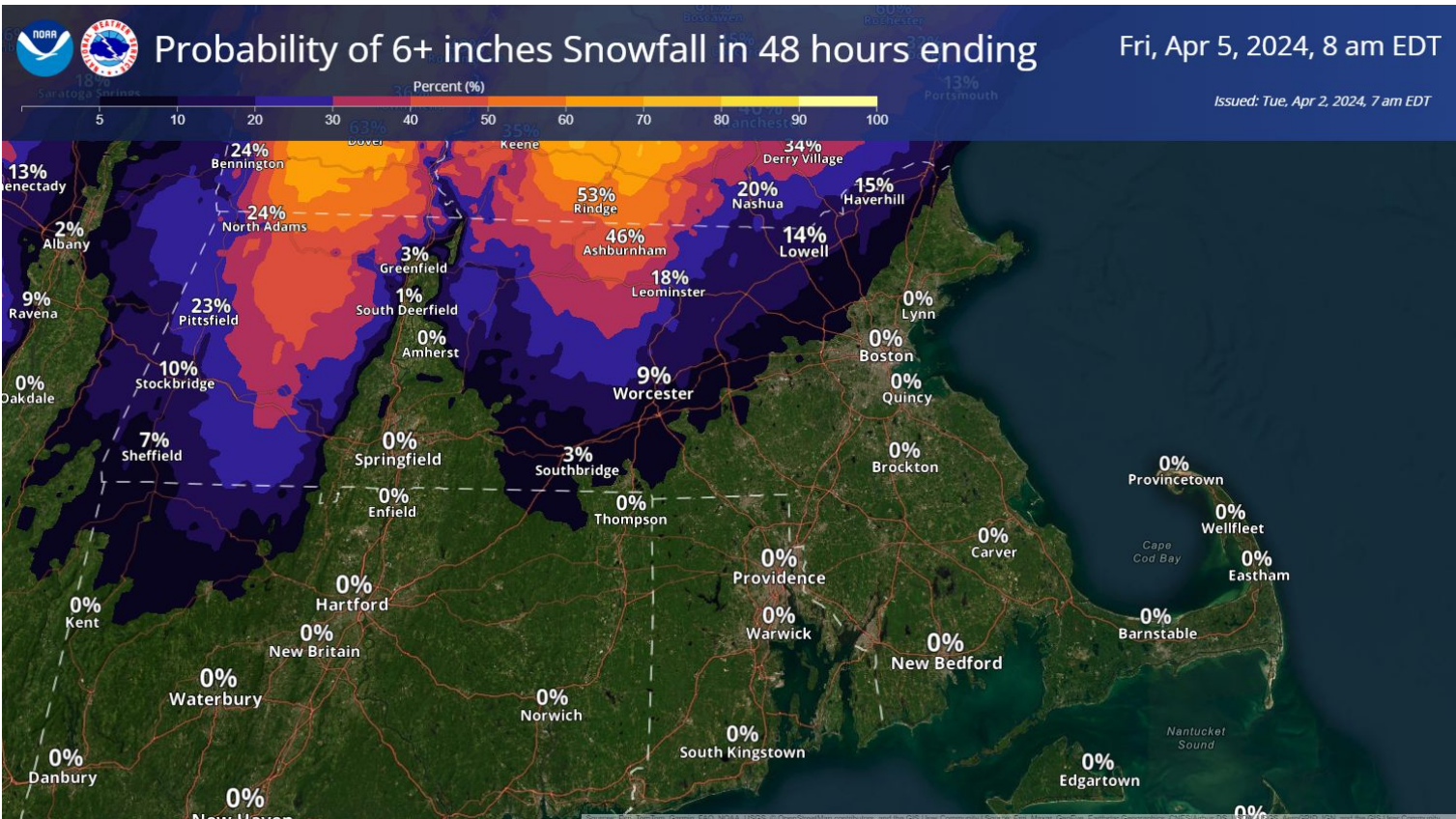
# Probability Of Exceeding Specific Snowfall Amounts

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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.







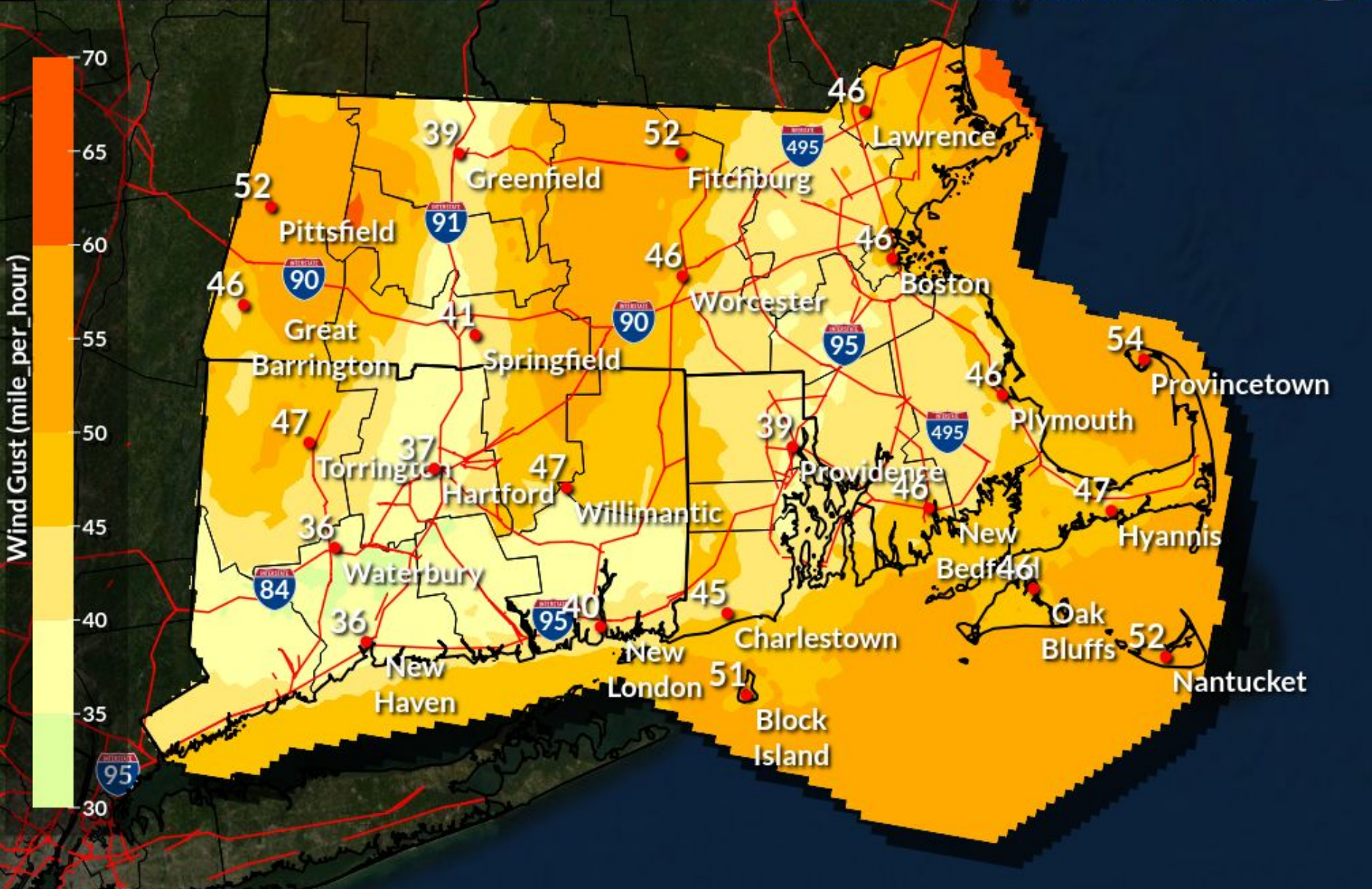
# Strong Wind Gusts

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## Forecast Max Wind Gusts

Wednesday through Thursday

Weather Forecast Office  
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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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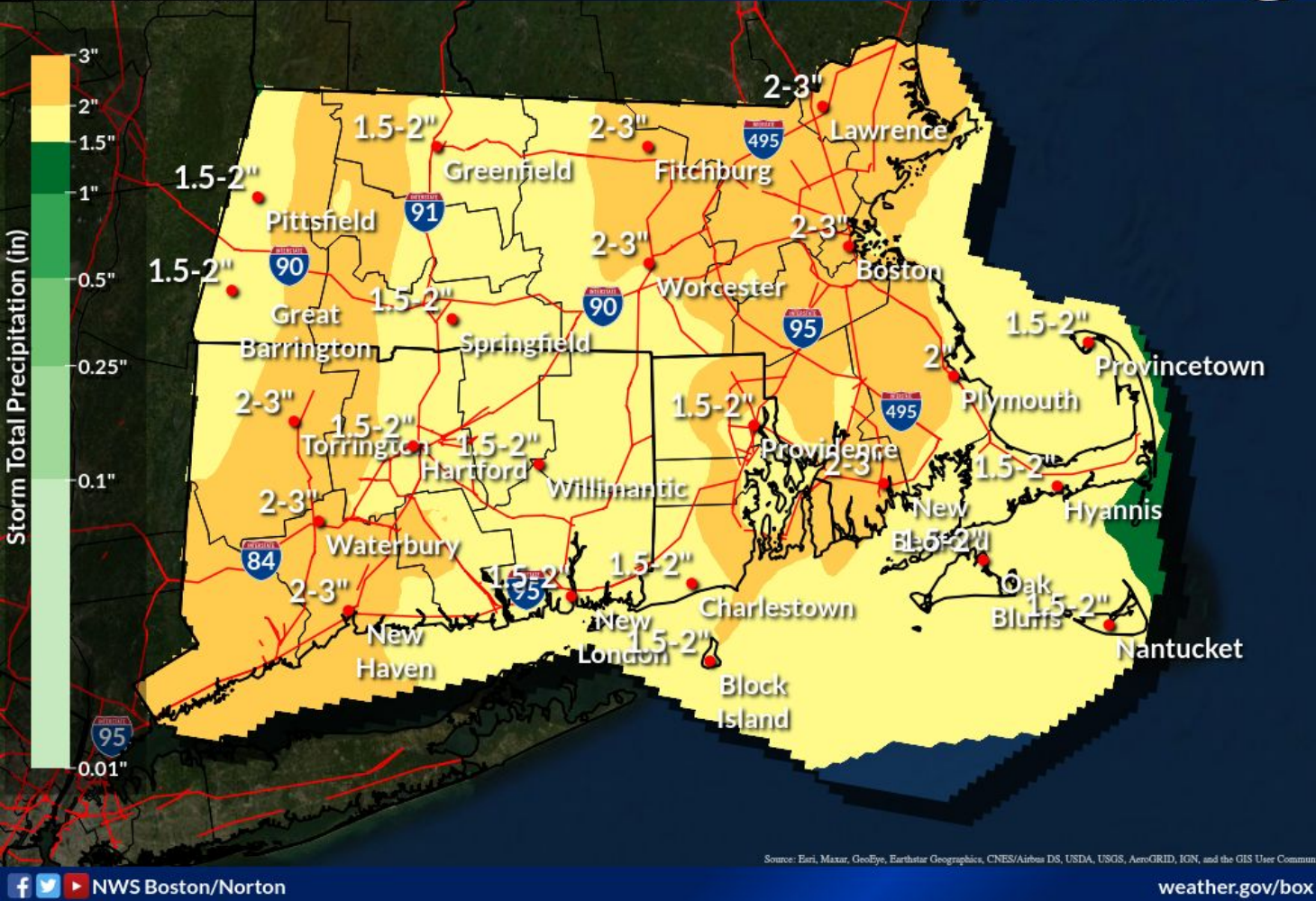
# Significant Rainfall & Additional River Flooding

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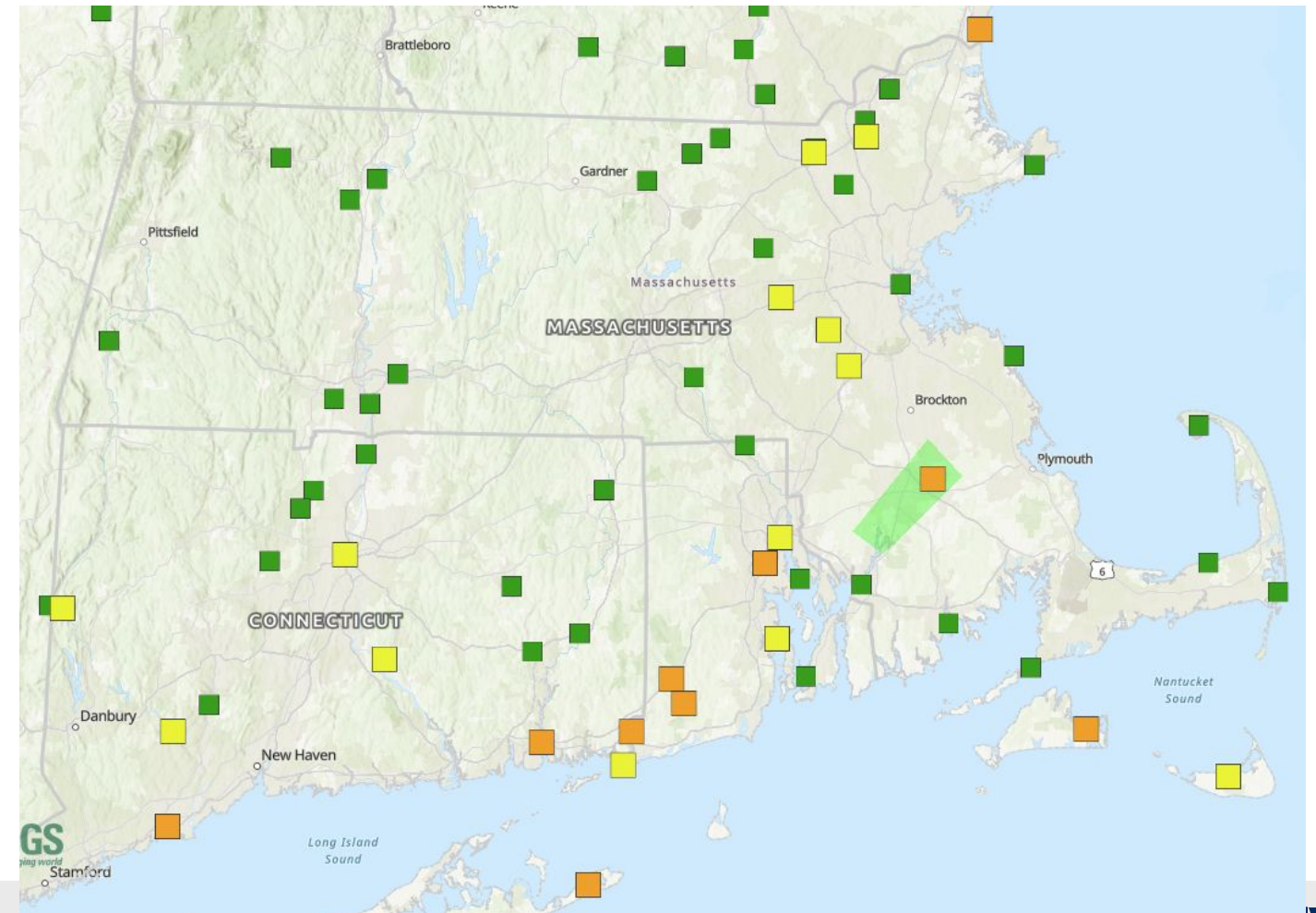
## Forecast Rainfall

Today Through Thursday

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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/>



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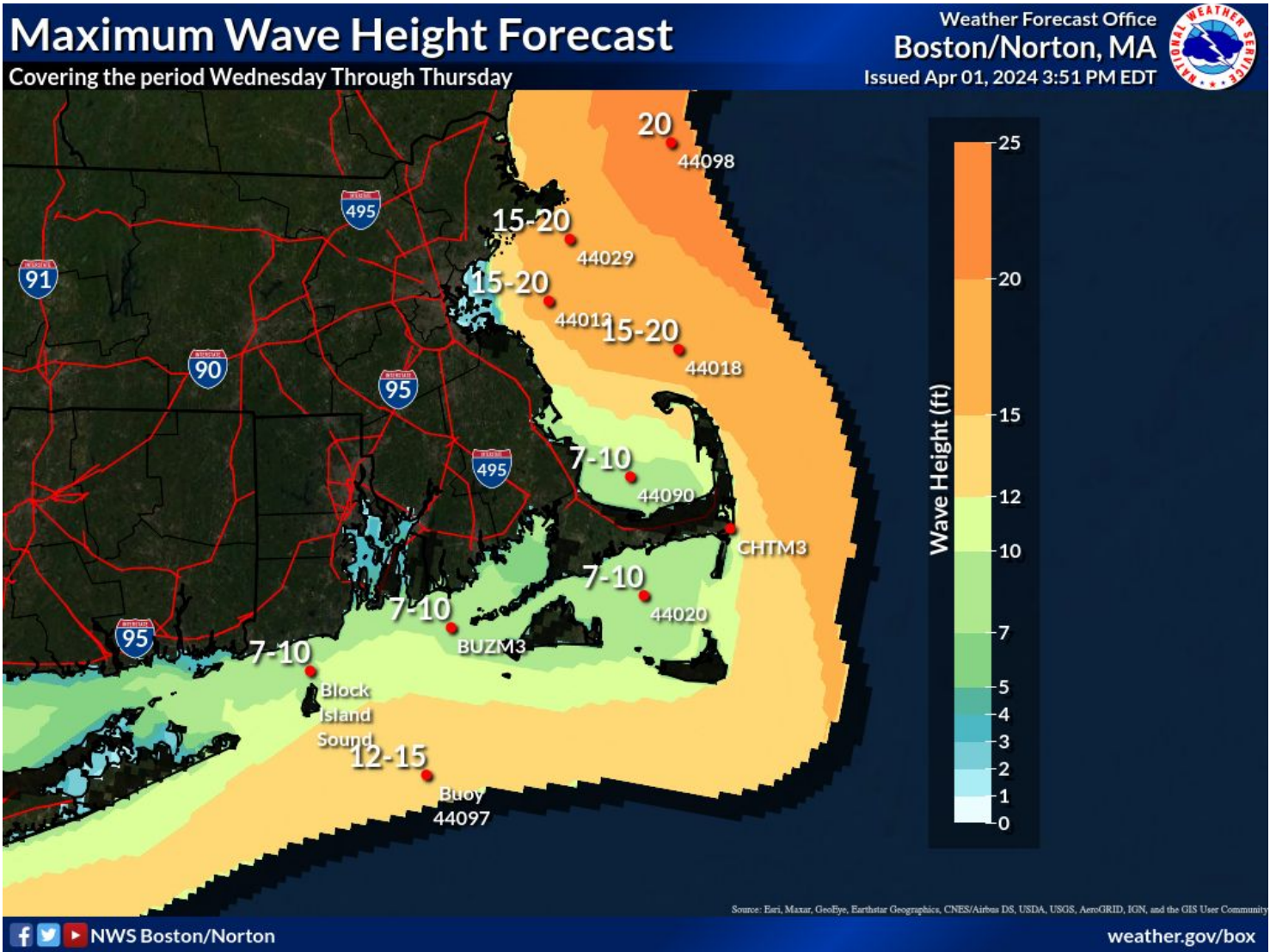
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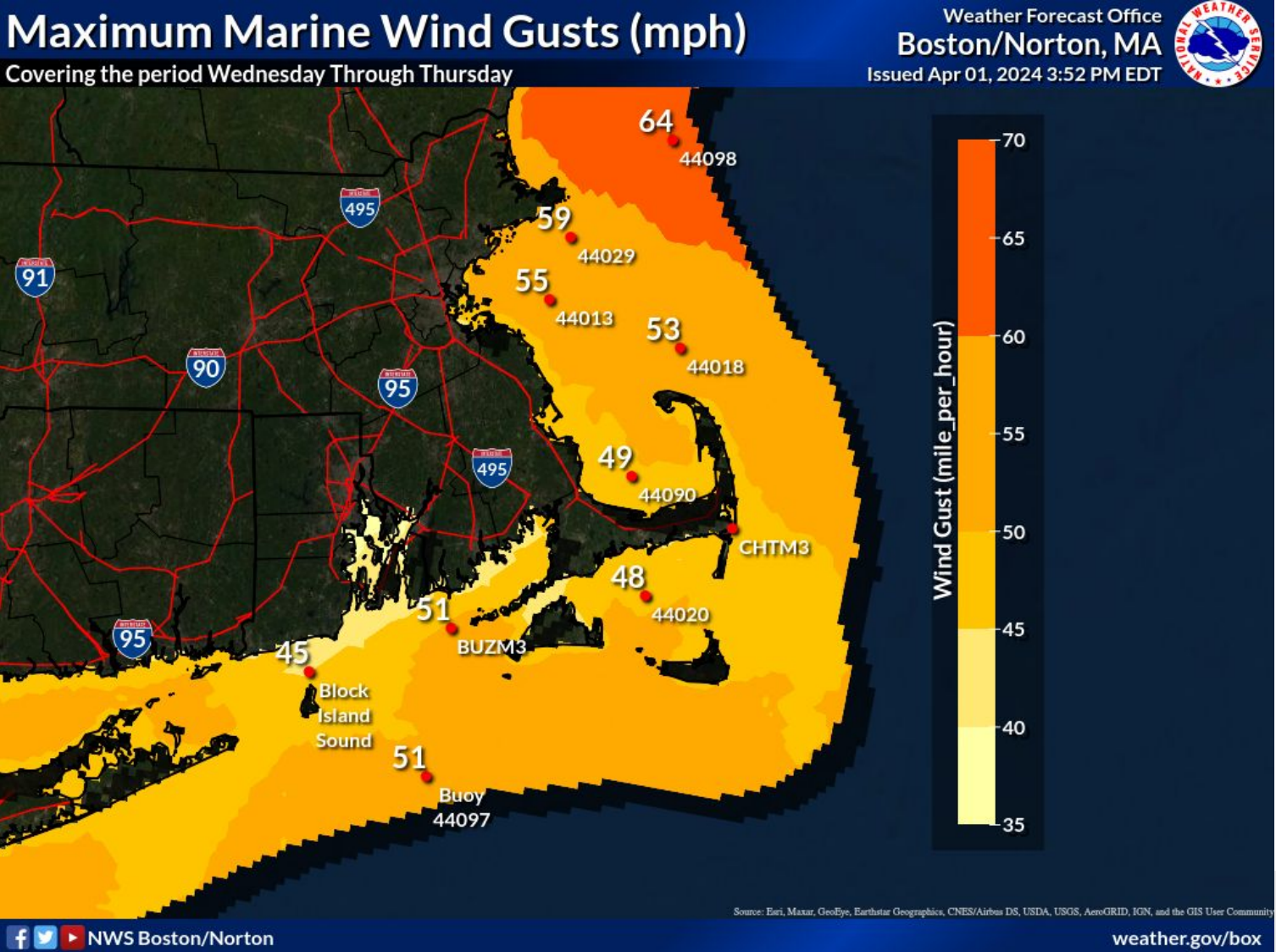


# Strong Wind Gusts

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- Rough marine conditions developing Wednesday



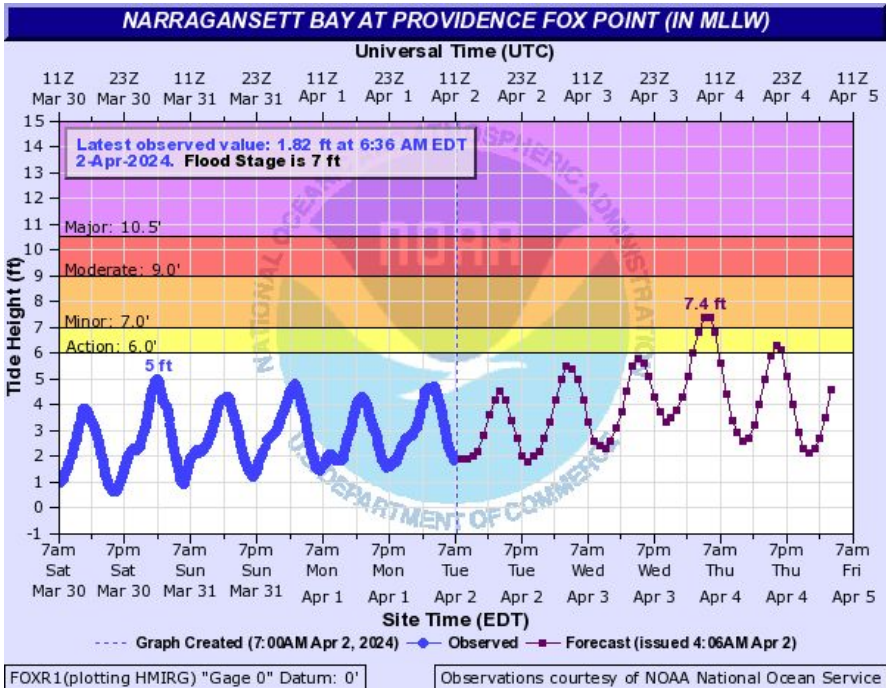
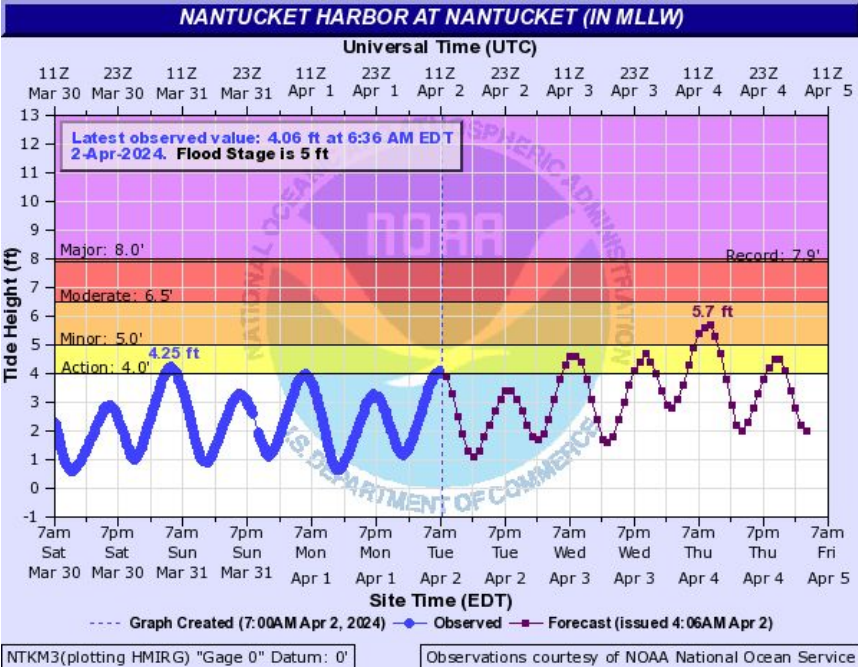
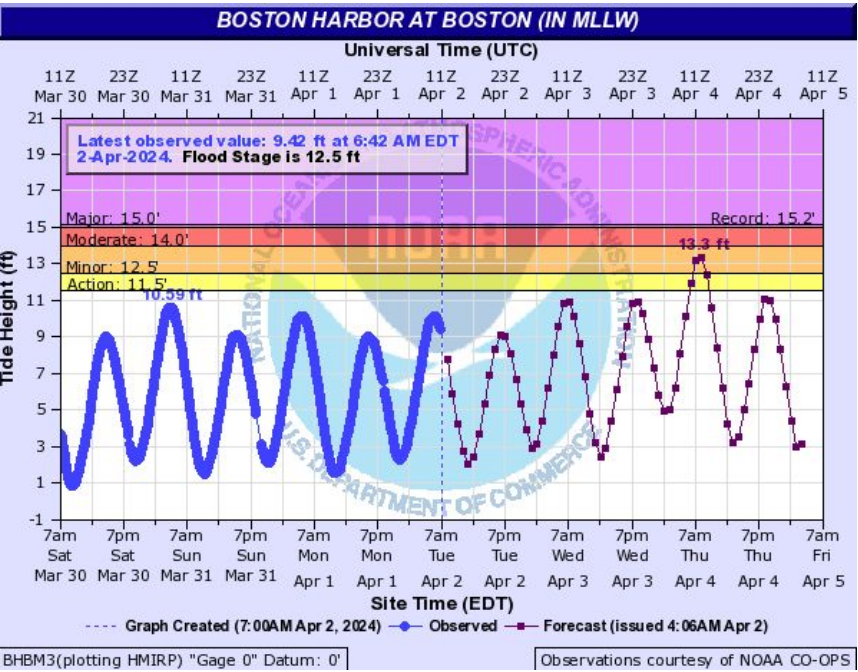




# Coastal Flood Forecast

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Gauge Location	Observed (ft)	Stage	Forecast (ft)	Stage
Atlantic Coast @ Gloucester (IN MLLW)	3.97	No Flooding	11.60	Minor
Boston Harbor @ Boston (IN MLLW)	5.27	No Flooding	12.10	Action
Massachusetts Bay @ Scituate (IN MLLW)	5.73	No Flooding	11.40	Action
Nantucket Harbor @ Nantucket (IN MLLW)	2.42	No Flooding	4.80	Action
Narragansett Bay @ Fox Point (IN MLLW)	-0.05	No Flooding	6.70	Action
Buzzards Bay @ New Bedford Hurricane Barrier (IN MLLW)	-0.44	No Flooding	5.50	Action



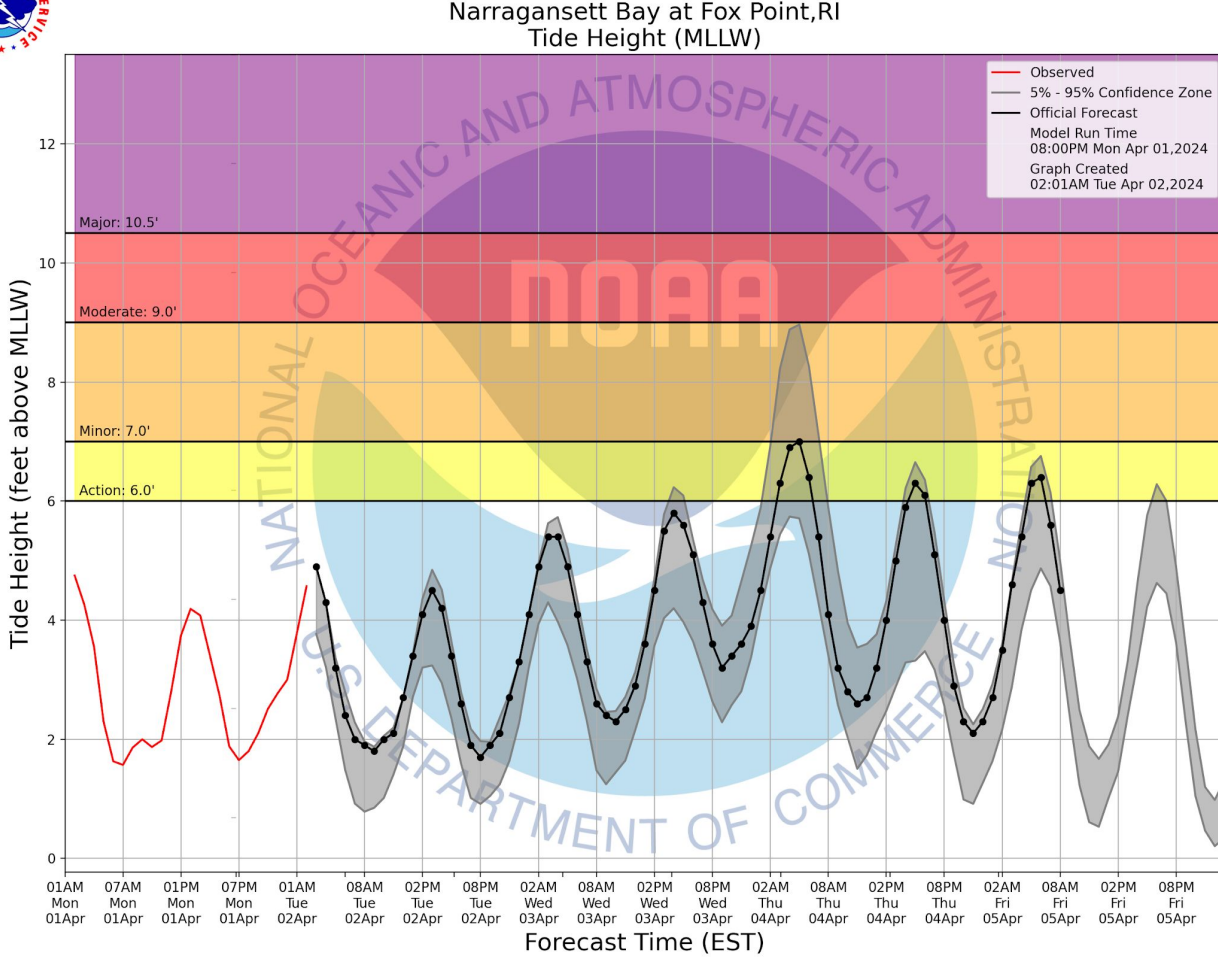
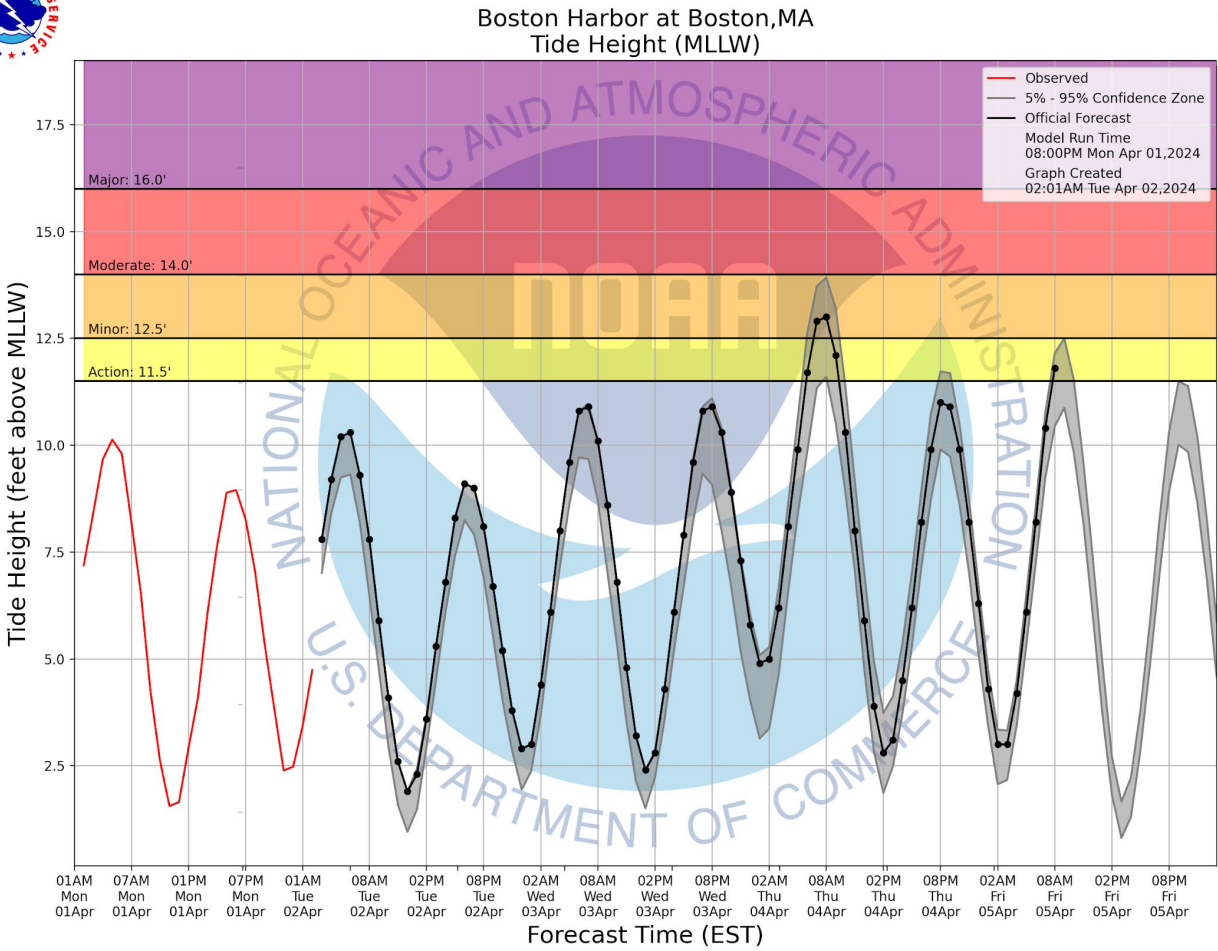




# Coastal Flooding Potential

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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







# 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



## Contact Information

### Web

- [weather.gov/box](http://weather.gov/box)

### Phone

- (508) 622-3250

### Email

- [box.operations@noaa.gov](mailto:box.operations@noaa.gov)

### Facebook

- [www.facebook.com/NWSBoston](https://www.facebook.com/NWSBoston)

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