



# Winter Weather Briefing

March 14, 2023  
3:42 PM

For Southern New England

## Decision Support Briefing #5

→ As of 3:30 PM Tuesday, March 14, 2023  
**Important Updates**

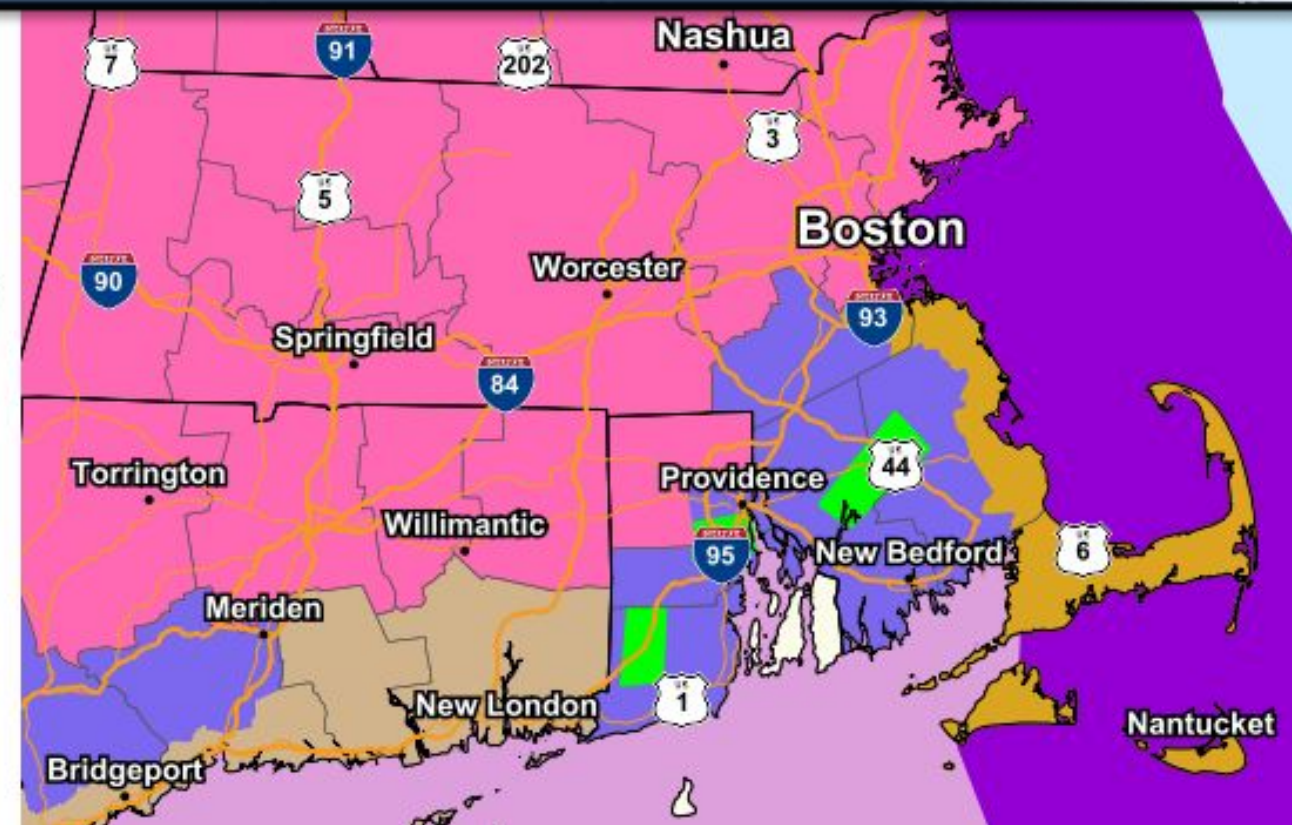
NEW

- Wind Advisory Issued for portions of SE Massachusetts
- Coastal Flood Advisory expanded to cover Martha's Vineyard
- River Flood Warnings In Effect
  - ◆ Pawtuxet River at Cranston
  - ◆ Wood River at Hope Valley
  - ◆ Taunton River near Bridgewater

## Hazards

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

Graphic Created  
March 14th, 2023  
1:41 PM CDT



National Oceanic and  
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U.S. Department of Commerce

National Weather Service  
Boston / Norton, MA

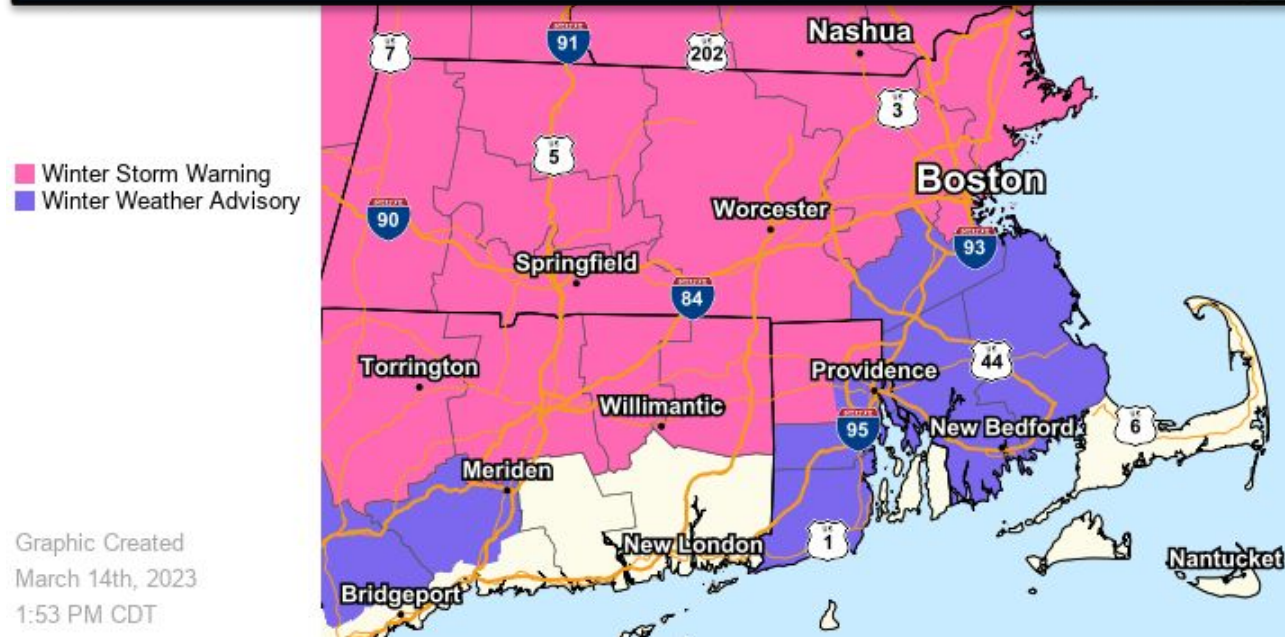




# Active Headlines

March 14, 2023  
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## Winter Weather Hazards



## Marine / Coastal Hazards



## Wind Related Hazards



## Flooding Hazards



Graphic Created  
March 14th, 2023  
1:57 PM CDT  
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# Main Points

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Hazard	Impacts	Location	Timing
Wind/ Damaging Wind 	25-35 mph w/ gusts 50-60 mph Tree limbs/power lines/ isolated trees downed Power outages likely	Eastern MA	Peak gusts late this evening and overnight. Diminishing below 30 mph Wednesday night
Snow 	Snow loading on trees/power lines; evening commute (east) Power outages likely	Anywhere that receives 4 or more inches of heavy, wet snow	Period of moderate to heavy snow this evening across portions of eastern MA. Snow ending from west to east after midnight
Marine 	Storm conditions with 20-25 ft seas eastern MA; Gales with 5-10 ft seas RI coast	Eastern MA waters	Through Wednesday
Coastal Flooding 	Widespread minor coastal flooding	Eastern Massachusetts, Martha's Vineyard and Nantucket	Next two high tide cycles, but especially the early Wednesday morning high tide.



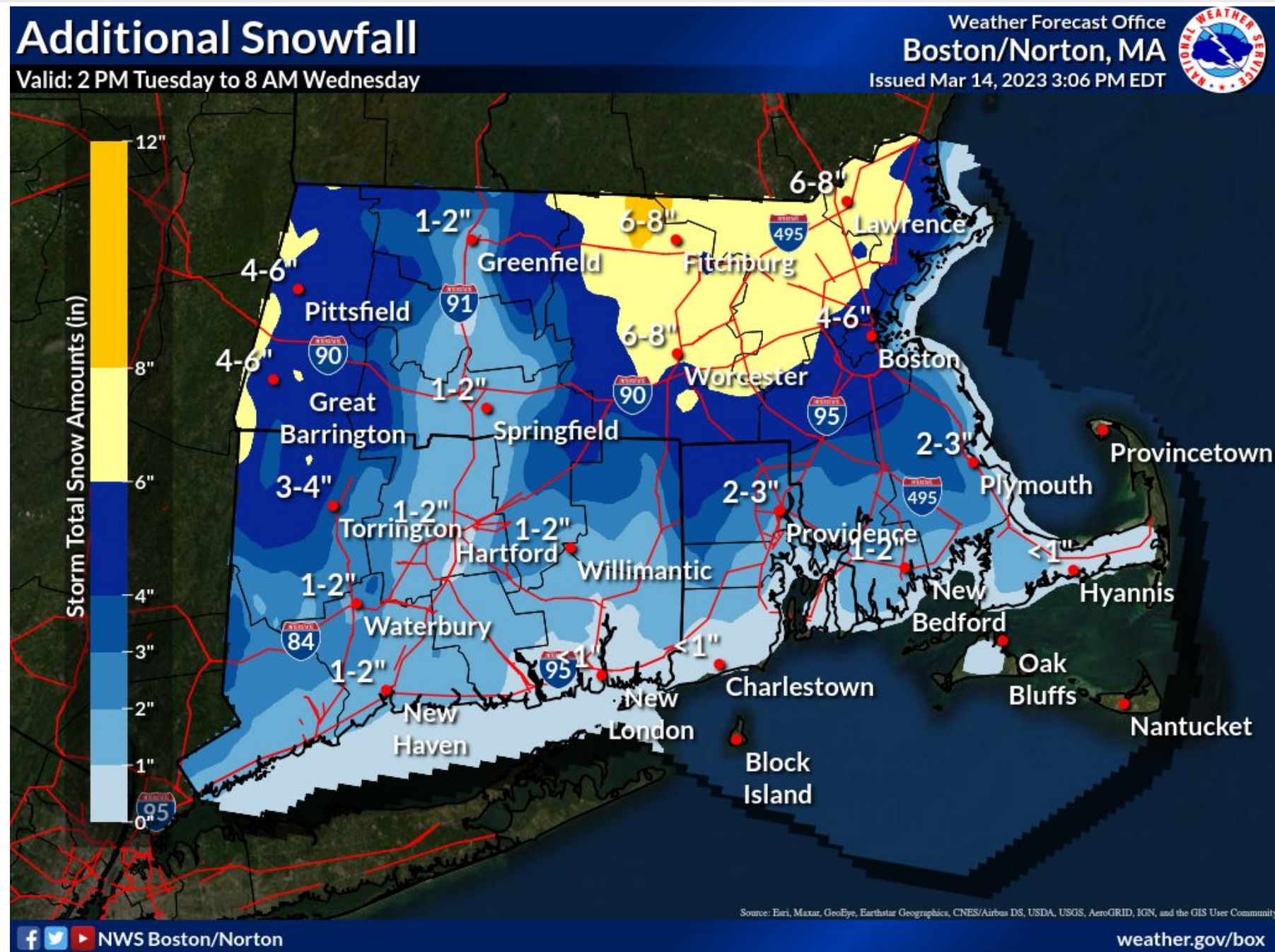


# Additional Forecast Snowfall

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Period of moderate to heavy snow across northeast MA through early evening

Snow should taper off quickly after midnight from west to east



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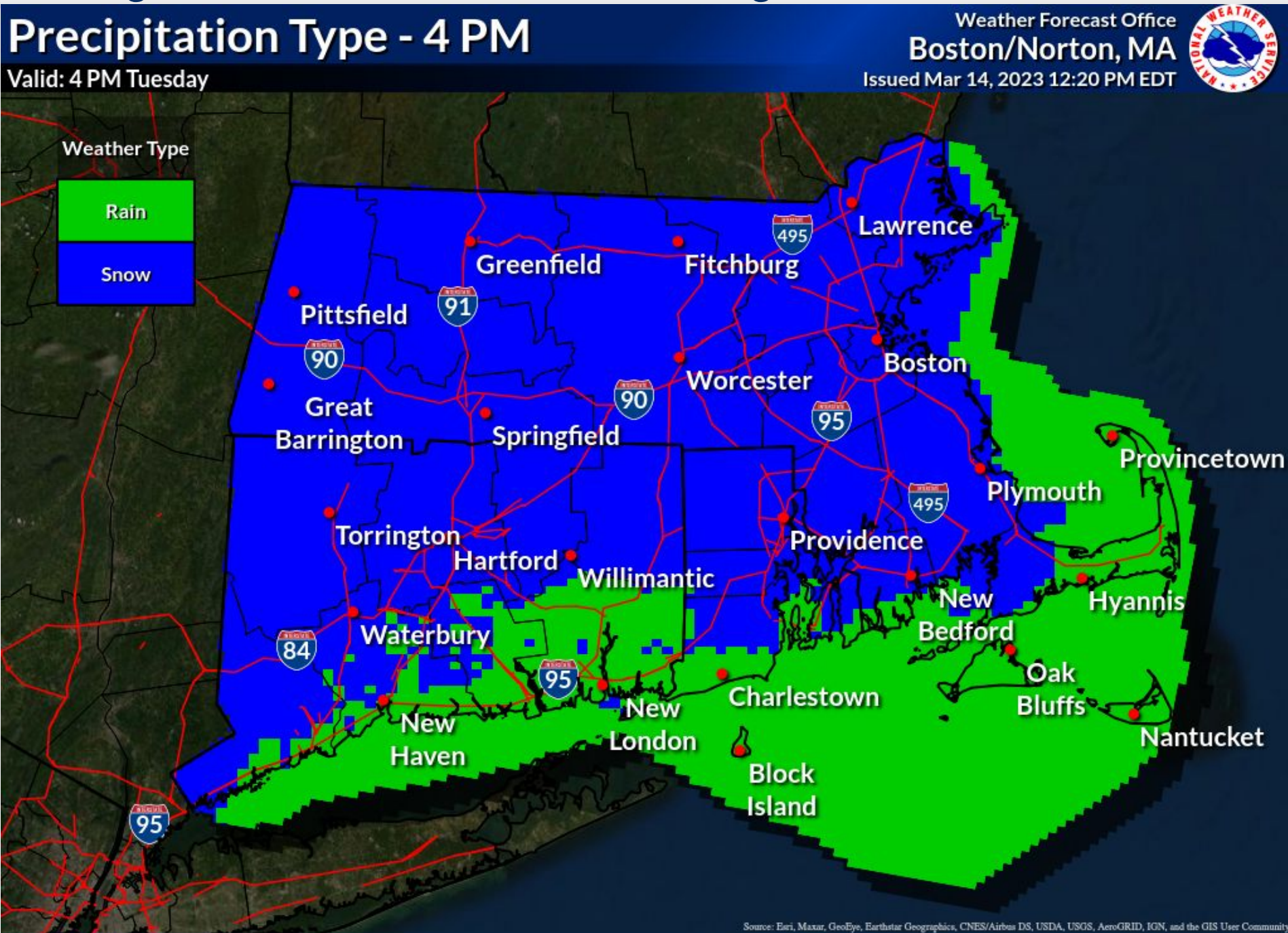




# Precipitation Type - 4 PM

March 14, 2023  
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Quick changeover across southeast New England







# Precipitation Type - 6 PM

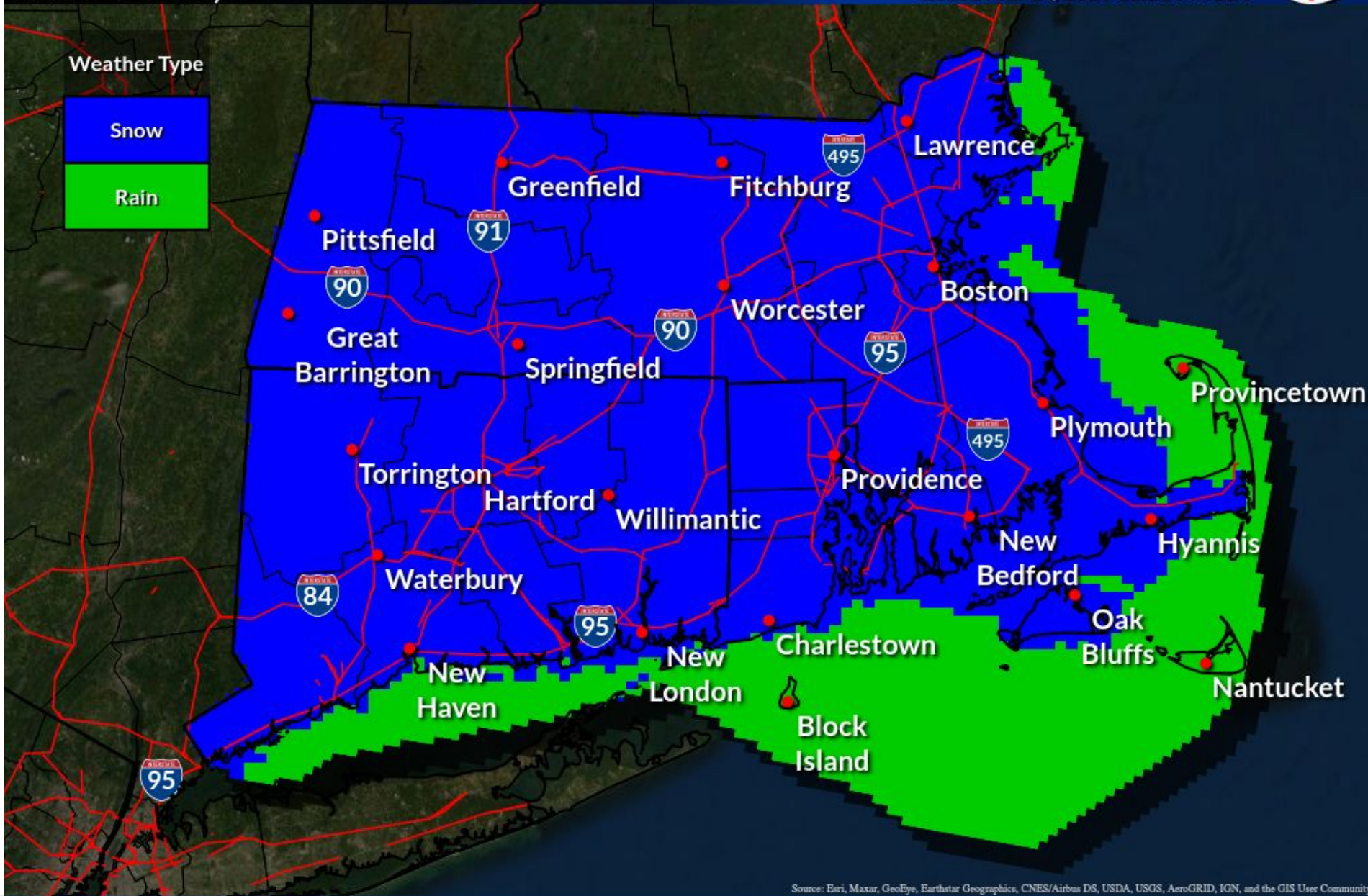
March 14, 2023  
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Snow Expected Region Wide by 6 PM Today

## Precipitation Type - 6 PM

Valid: 6 PM Tuesday

Weather Forecast Office  
Boston/Norton, MA  
Issued Mar 14, 2023 12:21 PM EDT



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



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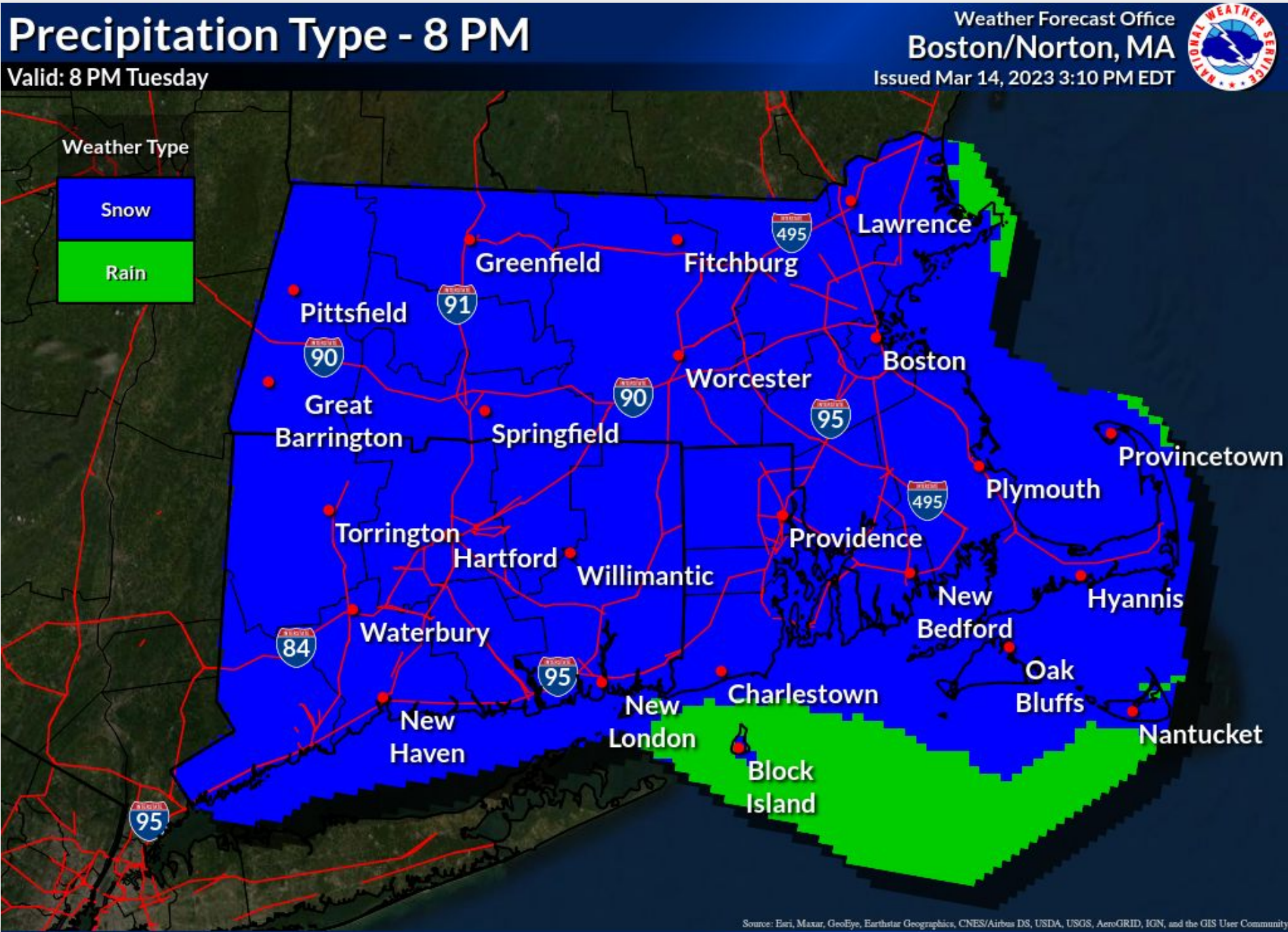




# Precipitation Type - 8 PM

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Snow Area Wide, Heaviest across northeast MA







# Precipitation Type - 2 AM

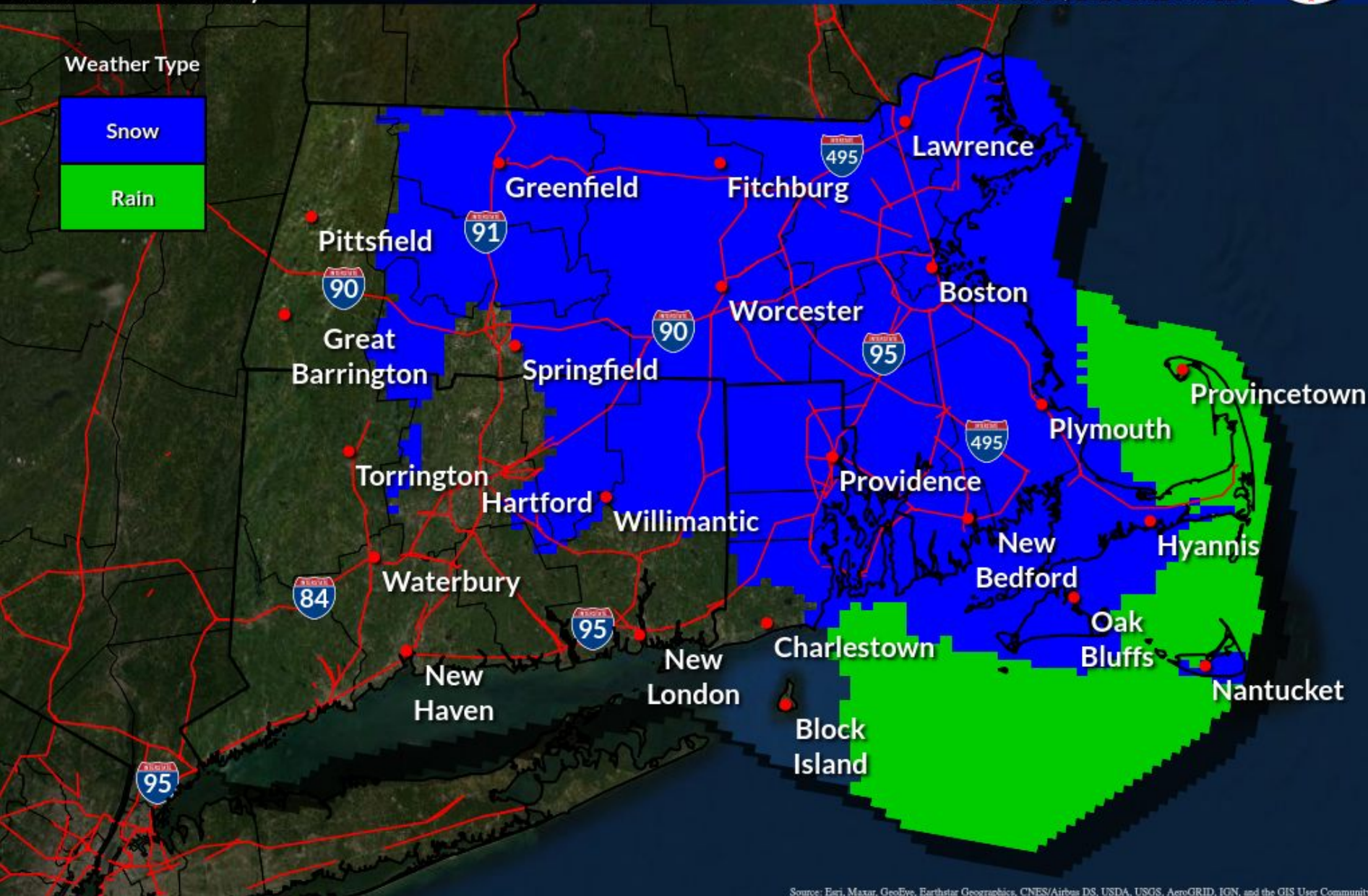
March 14, 2023  
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Snow ending across western areas - Light intensity for eastern areas

## Precipitation Type - 2 AM

Valid: 2 AM Wednesday

Weather Forecast Office  
Boston/Norton, MA  
Issued Mar 14, 2023 3:12 PM EDT



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







# Precipitation Type - 6 AM

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No significant precipitation expected

## Precipitation Type - 6 AM

Valid: 6 AM Wednesday

Weather Forecast Office  
Boston/Norton, MA  
Issued Mar 14, 2023 3:13 PM EDT



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



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# Forecast Wind Gusts Through Tonight

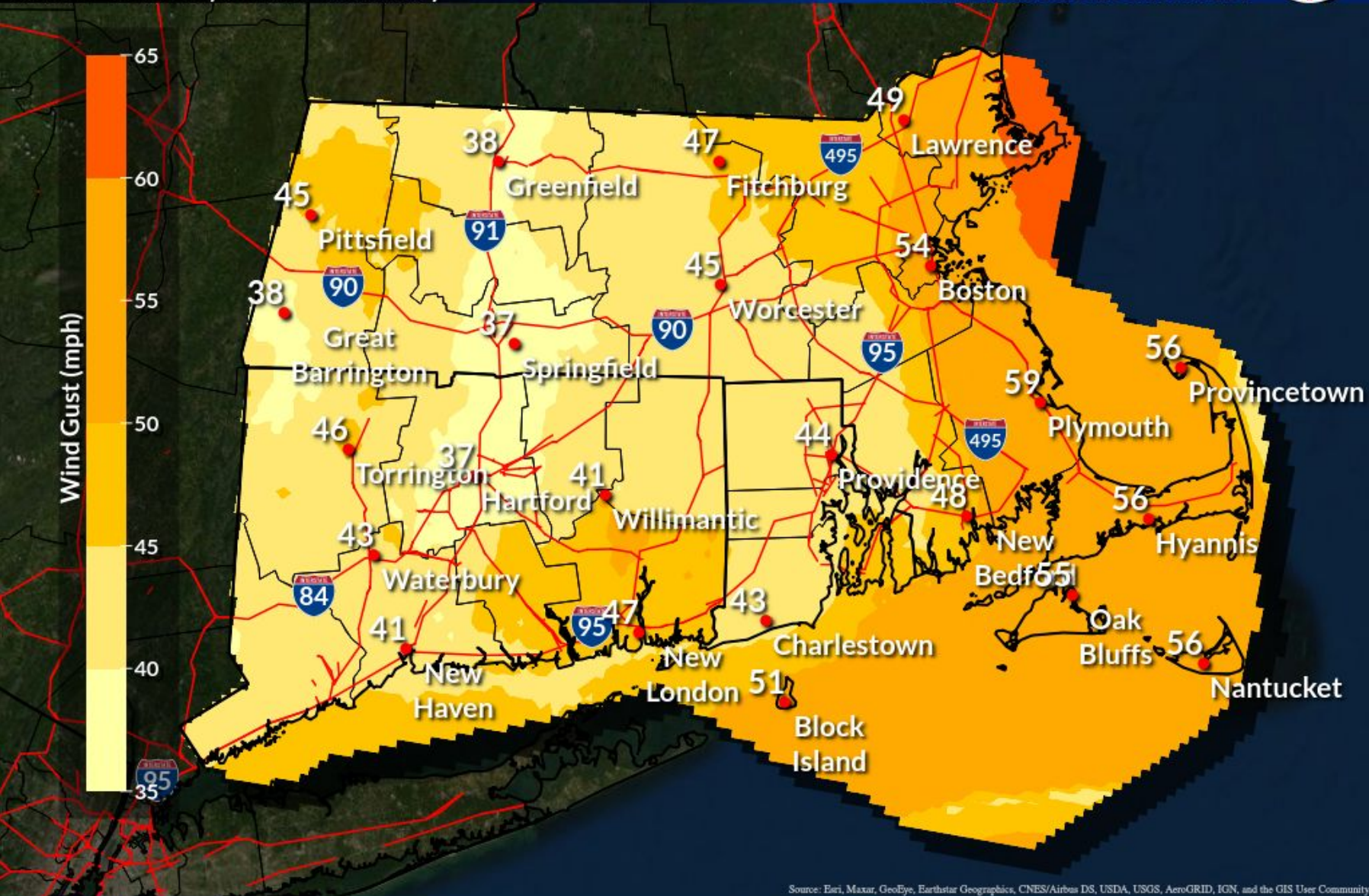
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## Maximum Wind Gusts Through 6am Wednesday

Weather Forecast Office  
Boston/Norton, MA

Valid: 4 PM Tuesday to 6 AM Wednesday

Issued Mar 14, 2023 3:19 PM EDT



**Strongest gusts generally  
between 6pm and midnight**







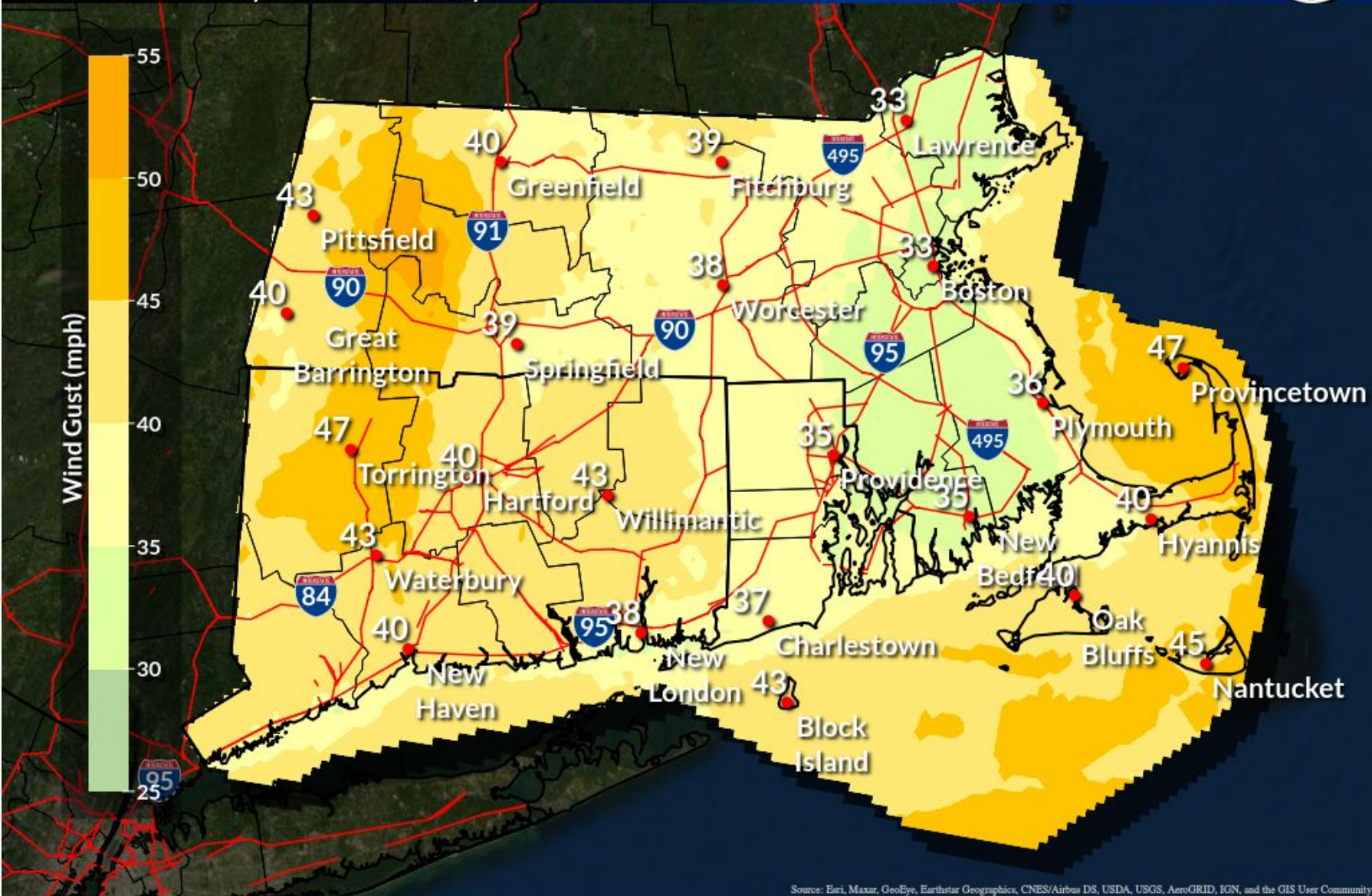
# Forecast Wind Gusts Wednesday

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## Maximum Wind Gusts Wednesday

Valid: 6 AM Wednesday to 6 PM Wednesday

Weather Forecast Office  
Boston/Norton, MA  
Issued Mar 14, 2023 3:20 PM EDT



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

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**Continued gusty winds in areas where trees remain snow loaded may result in additional tree damage/power outages**

**Wind Gusts drop below 30-35 mph late Wednesday**



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# Coastal Flood Forecast

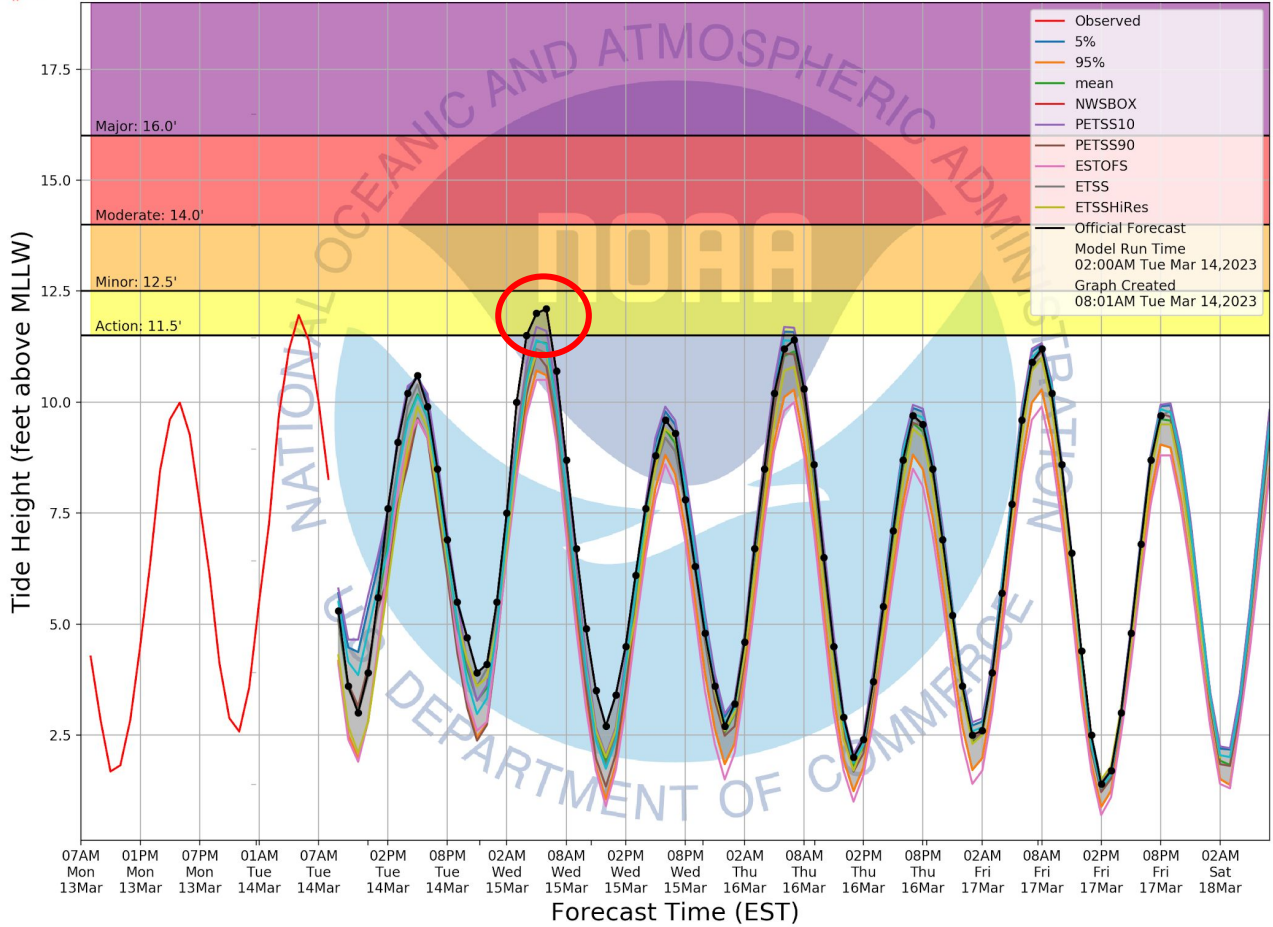
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## East Coastal Areas

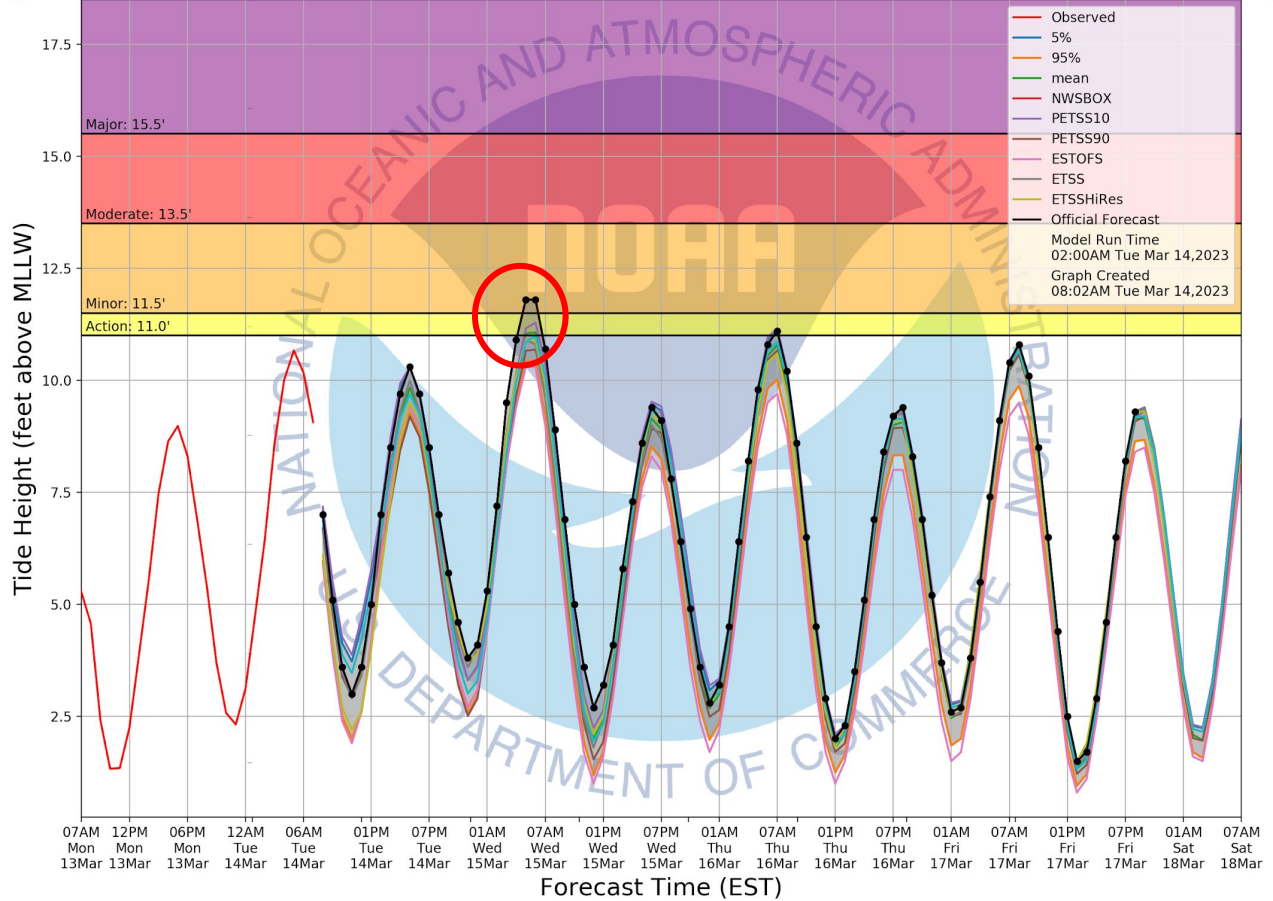
High tide of concern is early Wednesday morning (5-6 AM). Impacts may be higher due to wave action. Expecting a 2 to 3 foot storm surge, yielding 11-12 ft MLLW in Boston Harbor and at Scituate.



Boston Harbor at Boston, MA  
Tide Height (MLLW)



Massachusetts Bay at Scituate, MA  
Tide Height (MLLW)







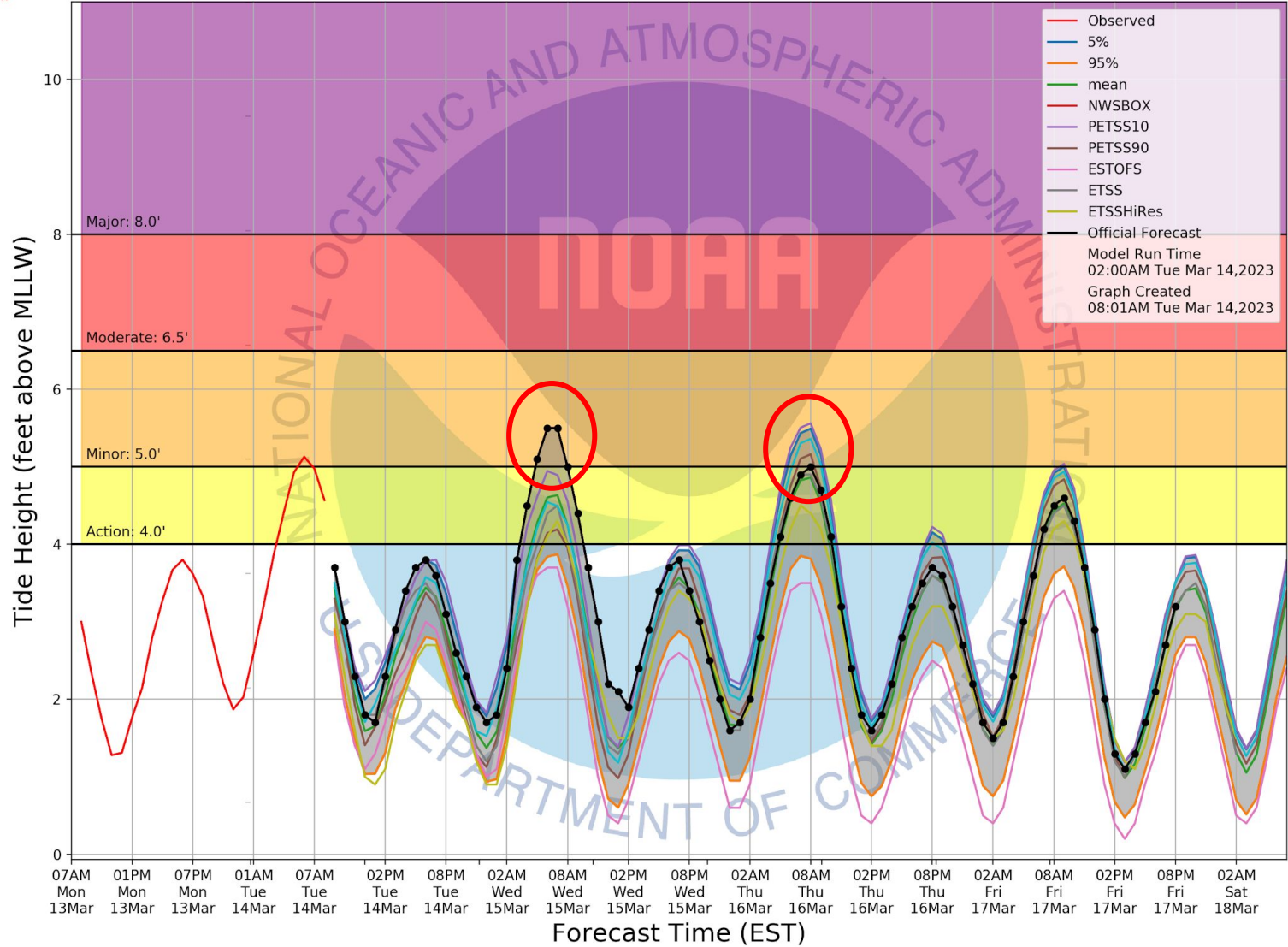
# Coastal Flood Forecast

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Nantucket



Nantucket Harbor at Nantucket, MA  
Tide Height (MLLW)



High tide of concern is early  
Wednesday morning, with the early  
Thursday morning high tide perhaps  
also seeing issues.

Surge is expected to be around 2 ft



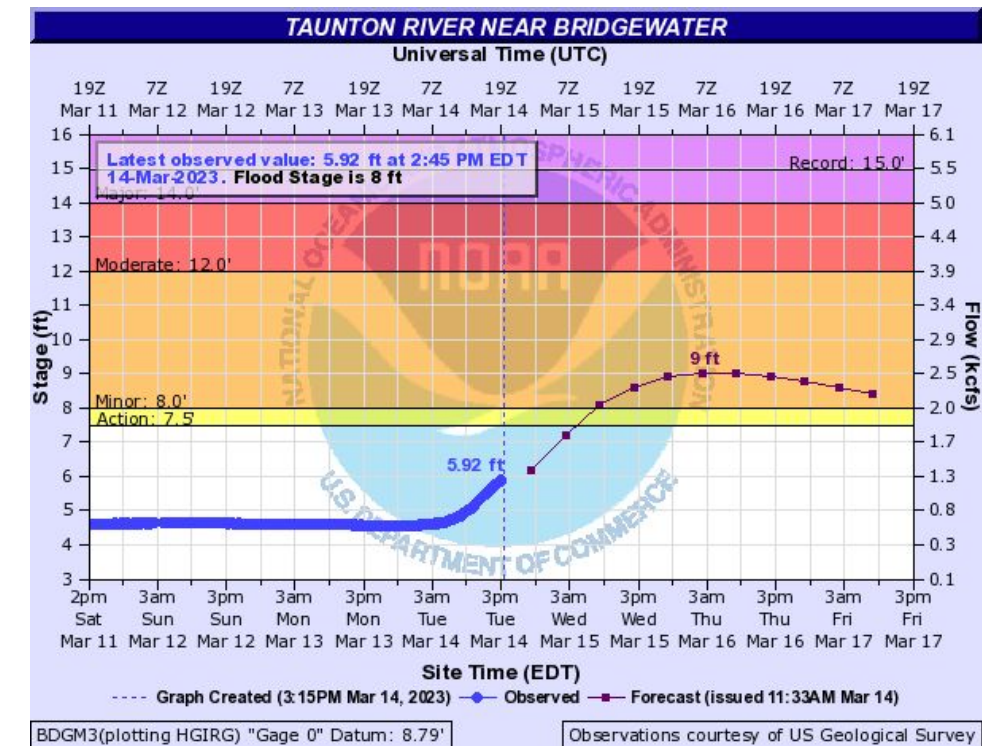
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## Taunton River (MA), Wood River (RI) and Pawtuxet River (RI)



# Taunton @ Bridgewater

## Reach flood state Wed morning

## Crest early Thursday





# Key Points Summarized

March 14, 2023  
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- **Snow**
  - Snow loading and power outages remain a big concern in areas with more than 4" of accumulation. Strong winds developing late afternoon and this evening will exacerbate the issues.
  - Evening commute likely to be difficult across much of the region, including Boston, Hartford and Providence.
  - Snow ending after midnight.
- **Wind**
  - High confidence in winds in excess of 40 mph along the eastern MA coast, with the highest gusts across NE Essex County where winds will exceed 50-60 mph through Tuesday evening. Concern for downed trees/power lines.
  - Wednesday will have continued wind gusts 35 mph up to 45 mph in some spots. May result in additional tree damage/power outages
- **Coastal Flooding**
  - Minor coastal flooding is expected along the eastern MA coast and at Nantucket again early Wednesday with high tide. Potential minor flooding for Nantucket with Thursday morning's high tide
- **River Flooding**
  - Minor flooding expected along parts of the Taunton River in MA and Pawtuxet and Wood Rivers in RI. Crests will be tomorrow through Thursday.







# Contact and Next Briefing Information

March 14, 2023  
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For Southern New England

## Next Briefing



FINAL Briefing - Unless forecast conditions change

## Disclaimer



Information contained in this briefing is time-sensitive  
Do Not Use After: 6:00 AM Wed, 3/15/23



## Contact Information

### Web

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

### Phone

→ (508) 622-3250

### Email

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

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