



# Winter Weather Briefing

For NWS Boston/Norton County Warning Area

March 12, 2023  
4:39 PM

## Decision Support Briefing #1

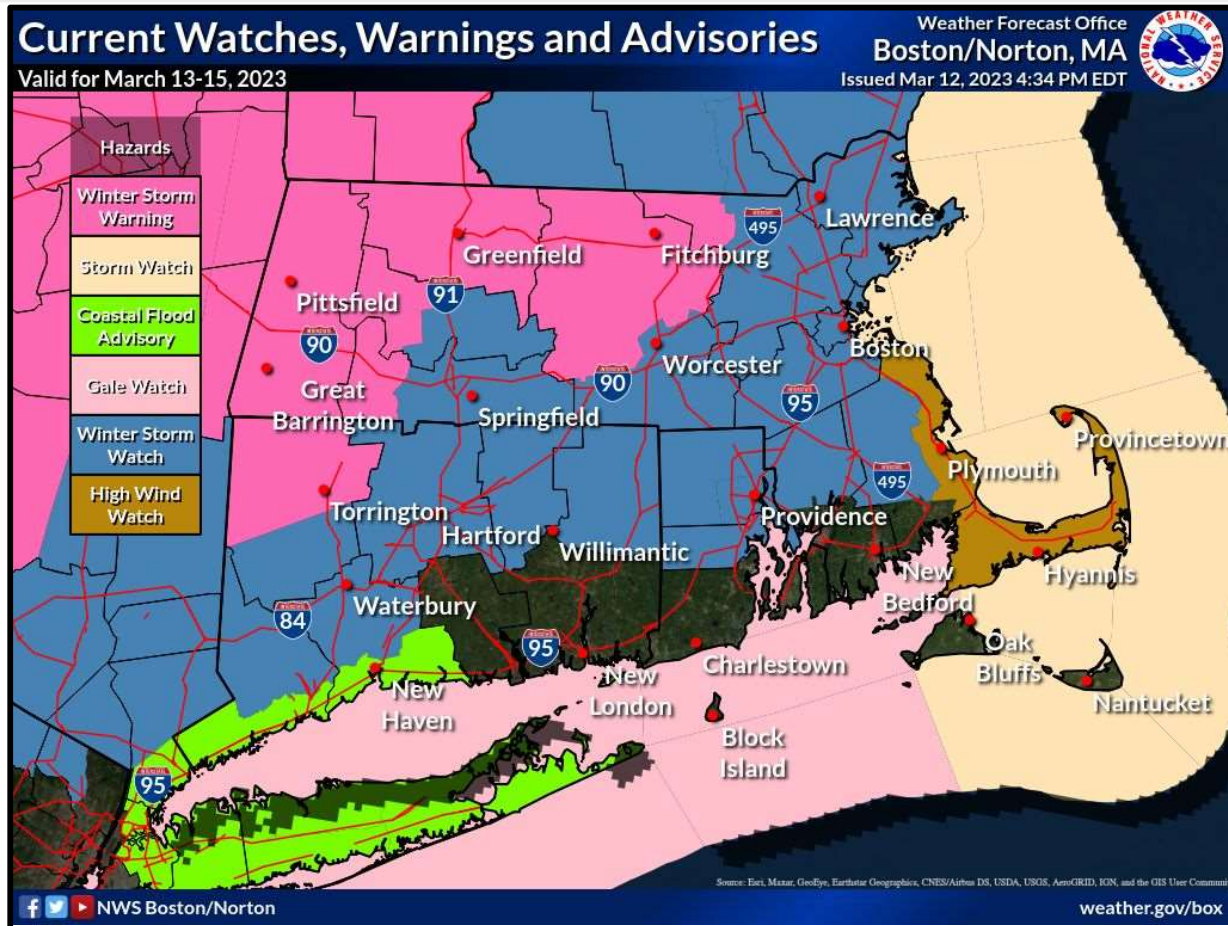
→ As of 4:30 PM Sunday, March 12, 2023

### Important Updates

NEW

Upgraded to Winter Storm Warnings in Berkshires/slopes of Berks; all of Franklin, northern Worcester, and NW Middlesex Counties.

- Winter Storm Watches expanded farther east and southeast - upped snowfall amounts in eastern MA, including the City of Boston
- Damaging wind gusts combined with heavy, wet snow may lead to impacts in the I-95 corridor, this includes Boston to Providence
- High uncertainty of storm evolution and exact locations... could still have changes to the forecast
- **Please note:** High Wind Watches also include Boston northward (not depicted on map)







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# Main Points

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Hazard	Impacts	Location	Timing
Wind/ Damaging Wind 	25-35 mph w/ gusts 50-65 mph Tree limbs/power lines/ isolated trees downed	Eastern MA	Late Monday night into Wednesday morning
Snow 	Snow loading on trees/power lines; morning commute (west) and evening commute (east)	Anywhere that receives 4+ inches of heavy, wet snow	Monday night (esp. higher terrain) through Tuesday night, except Wed. AM in eastern MA
Marine 	Storm conditions with 12-18 ft seas eastern MA; Gales with 5-10 ft seas RI coast	Eastern MA outer waters worst	Monday night through Wednesday
Coastal Flooding 	Widespread minor coastal flooding, but pockets of moderate possible	Eastern MA, mainly from Cape Cod northward	Three high tide cycles, from 4-5 AM Tuesday through 5-6 AM Wednesday



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# Forecast Storm Total Snowfall

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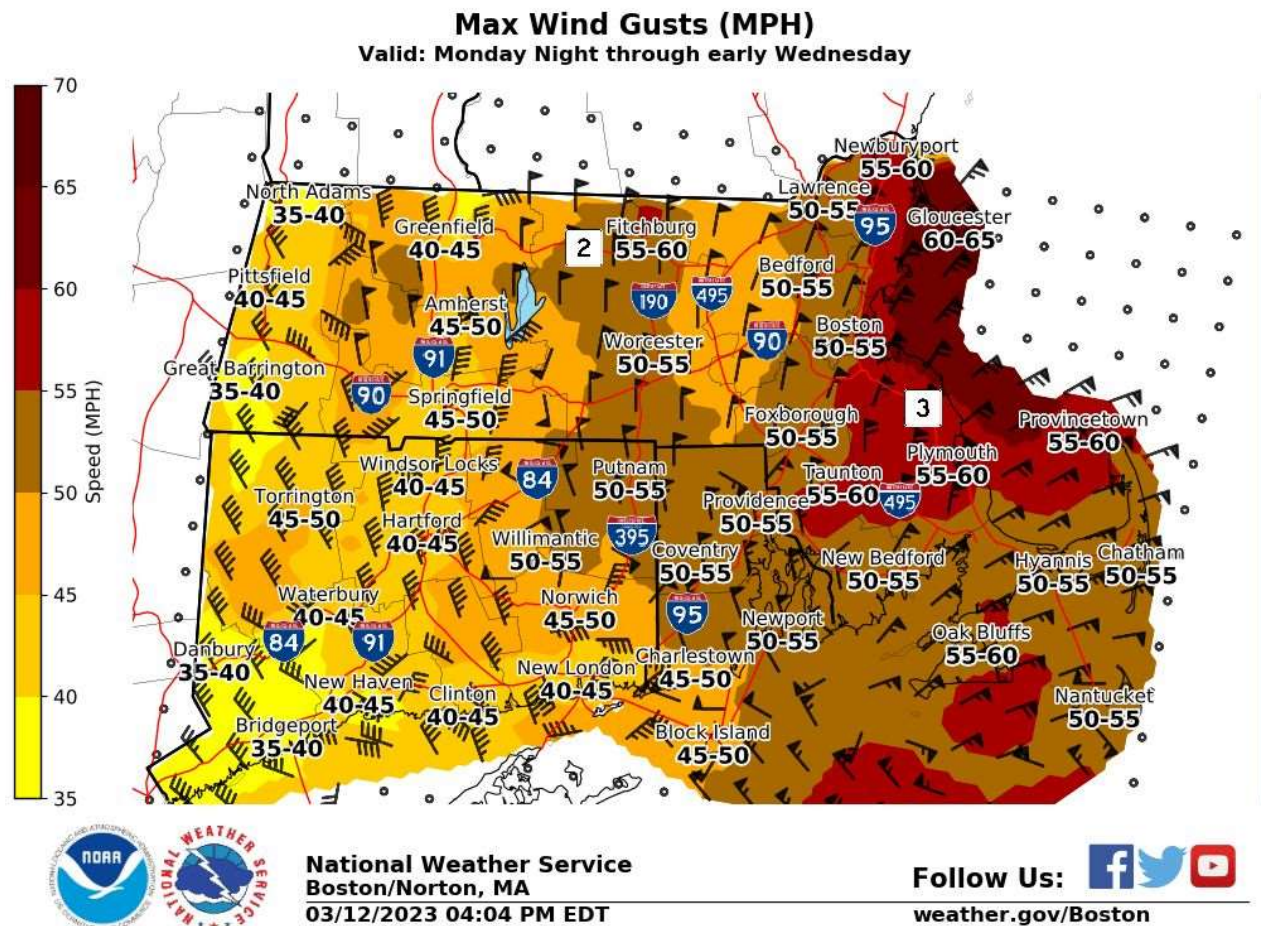
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# Forecast Wind Gusts

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# Temperature and Wind Gust Tables

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## Maximum Temperature Forecast

	3/13	3/14				3/15				3/16			
	Mon	Tue				Wed				Thu			
	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Boston	40	39	38	34	32	30	32	34	34	32	39	44	42
Gloucester	40	40	38	36	34	32	32	34	35	32	37	42	41
Hartford	42	38	35	33	31	31	35	35	36	32	40	47	43
Hyannis	40	40	41	42	39	38	34	34	35	34	37	41	40
Lowell	41	38	36	32	30	30	32	33	34	31	39	46	41
Nantucket	41	41	42	42	41	39	36	35	36	34	36	41	41
New Bedford	41	39	38	34	34	31	32	35	34	32	38	45	42
New Haven	42	39	35	35	35	33	38	41	40	35	39	49	47
Newport	41	39	38	34	33	32	33	35	36	32	39	44	42
Pittsfield	36	33	32	34	34	29	29	31	30	27	33	40	39
Providence	42	39	37	33	32	31	33	34	35	32	39	46	42
Springfield	41	37	35	32	31	31	34	34	34	30	37	45	41
Worcester	39	36	35	31	30	30	32	32	34	29	36	42	39

\*Table values in °F

\*\*Created: 4 pm EDT Sun 3/12/2023

\*\*\*Values are maximums over the period beginning at the time shown.

## Maximum Wind Gust Forecast (mph)

	3/13	3/14				3/15				3/16			
	Mon	Tue				Wed				Thu			
	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Boston	23	35	46	54	54	51	40	38	35	26	23	20	16
Gloucester	25	37	51	63	63	55	48	47	41	36	30	22	17
Hartford	22	29	39	43	43	38	39	44	37	25	20	20	14
Hyannis	32	41	54	51	40	45	51	49	47	40	36	30	23
Lowell	18	26	40	51	51	47	36	36	33	24	20	18	16
Nantucket	33	48	52	47	38	47	52	52	49	43	37	32	24
New Bedford	30	37	53	52	52	48	45	45	37	30	25	22	16
New Haven	24	31	41	39	38	33	37	37	33	25	24	20	16
Newport	30	36	47	47	53	47	43	43	38	29	24	21	16
Pittsfield	25	35	36	36	39	40	40	40	35	24	18	17	15
Providence	22	30	41	51	54	47	40	39	35	26	23	21	15
Springfield	23	31	41	45	44	40	41	41	36	24	17	20	14
Worcester	22	31	41	48	51	47	37	38	33	25	22	20	15

\*Table values in mph

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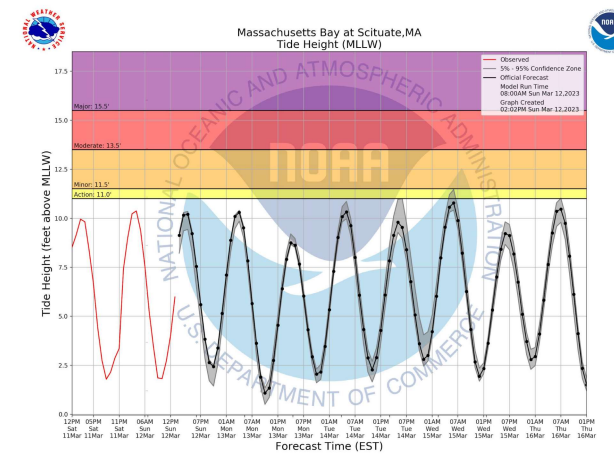
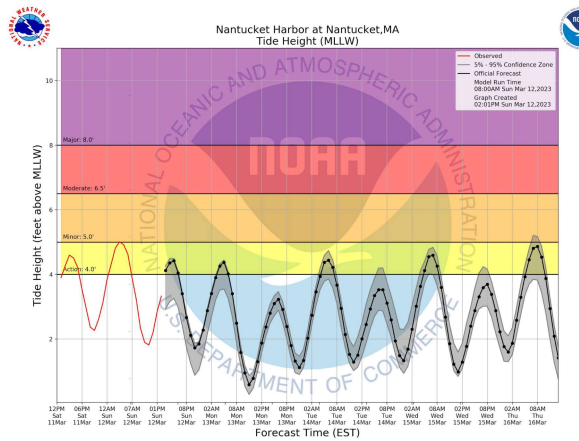
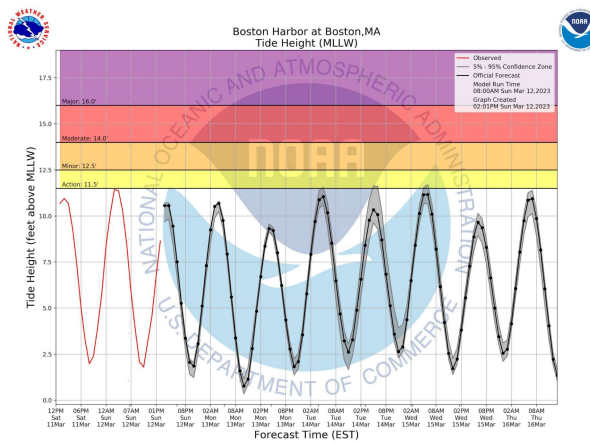




# Coastal Flood Forecast

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- Probabilistic Tidal Heights show several cycles reaching Action-Minor Flooding stages; will likely be higher
- Expect 2 to 3 ft. storm surge, yielding 12-13 ft in Boston Harbor



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# Summary of Greatest Impacts

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**Winds**

**Greatest risk in eastern MA and RI**

Little to None

Minor

Moderate

Major

Extreme



**Snow**

**Greatest impacts may be in I-95 corridor, due to heavy, wet nature of snow**

Little to None

Minor

Moderate

Major

Extreme



**Marine**

**Storm-Force winds are expected over coastal waters**

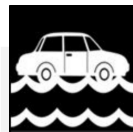
Little to None

Minor

Moderate

Major

Extreme



**Coastal  
Flooding**

**Greatest risk eastern MA coast, from Cape Cod northward**

Little to None

Minor

Moderate

Major

Extreme



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# Key Points Summarized

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- Snow becomes heavy in higher terrain of western MA and western CT after midnight Monday night. Could have 1"/hour rates.
- Outside of higher terrain, temperatures will be in the mid to upper 30s around daybreak Tuesday, then they drop to 32 or lower mid to late Tuesday morning. That's when accumulations will really increase.
- Tuesday morning commute may be somewhat impacted by snow in Hartford/Springfield/Worcester. But the Tuesday evening commute could be difficult across much of the region, including Boston and Providence.
- Snow consistency will be wet. Snow loading and power outages become a big concern for this event with totals >4". Strong winds will exacerbate the issues. We are confident enough that the Berkshires and northern Worcester/northwest Middlesex Counties will receive >7" and therefore have posted Winter Storm Warnings there.
- At this time, confidence is highest for wind speeds, which will be strongest along the eastern MA coast. Concern for high profile vehicles.
- Minor coastal flooding is expected, especially along the eastern MA coast from Cape Cod northward. It may last several tidal cycles. Can't rule out a few pockets of moderate coastal flooding.



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# Contact and Next Briefing Information

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For NWS Boston/North County Warning Area

## Next Briefing



By 6:00 AM Mon, 3/13/23  
Method: Email

## Disclaimer



Information contained in this briefing is time-sensitive  
Do Not Use After: 6:00 AM Mon, 3/13/23

## Contact Information

### Web

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

### Phone

→ (508) 622-3250

### Email

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

### Facebook

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

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