

Autumn Nor'easter

National Weather Service

Decision Support Briefing # 2

Tuesday, October 26, 2021 3:49 AM




Headlines

What Has Changed?

- ✓ No changes to the headlines.
- ✓ Day 1 Excessive Rainfall Outlook slight risk area has been trimmed.
- ✓ Forecast max sustained wind speeds slightly increased.



Main Points

Hazard	Impacts	Location	Timing
Strong Winds 	<p>Tree and powerline damage Possible power outages. Greater tree damage potential given fully leafed trees & wet ground.</p>	<p>Mainly eastern CT, central and eastern MA, RI, Cape Cod and the Islands.</p>	<p>Strongest winds tonight into Wednesday. Easing later Wednesday.</p>
Heavy Rain 	<p>Difficult travel during commutes. Urban and poor drainage flooding. Rises on rivers and streams at or over bankfull.</p>	<p>All of Southern New England.</p>	<p>Heaviest rain potential this evening into early Wednesday morning.</p>
Coastal Flooding 	<p>Minor coastal flooding on vulnerable shoreline roads. Up to 0.5 ft of inundation above ground level expected. Beach erosion.</p>	<p>Eastern MA coasts.</p>	<p>Wednesday morning and late afternoon high tides. <u>Beach erosion:</u> This afternoon into early Wednesday.</p>

Summary of Greatest Impacts



Strong Winds: Central/Eastern MA, eastern CT, and RI

None	Limited	Elevated	Significant	Extreme
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Heavy Rain: All of Southern New England

None	Limited	Elevated	Significant	Extreme
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Coastal Flooding/Beach Erosion: Eastern MA Coast

None	Limited	Elevated	Significant	Extreme
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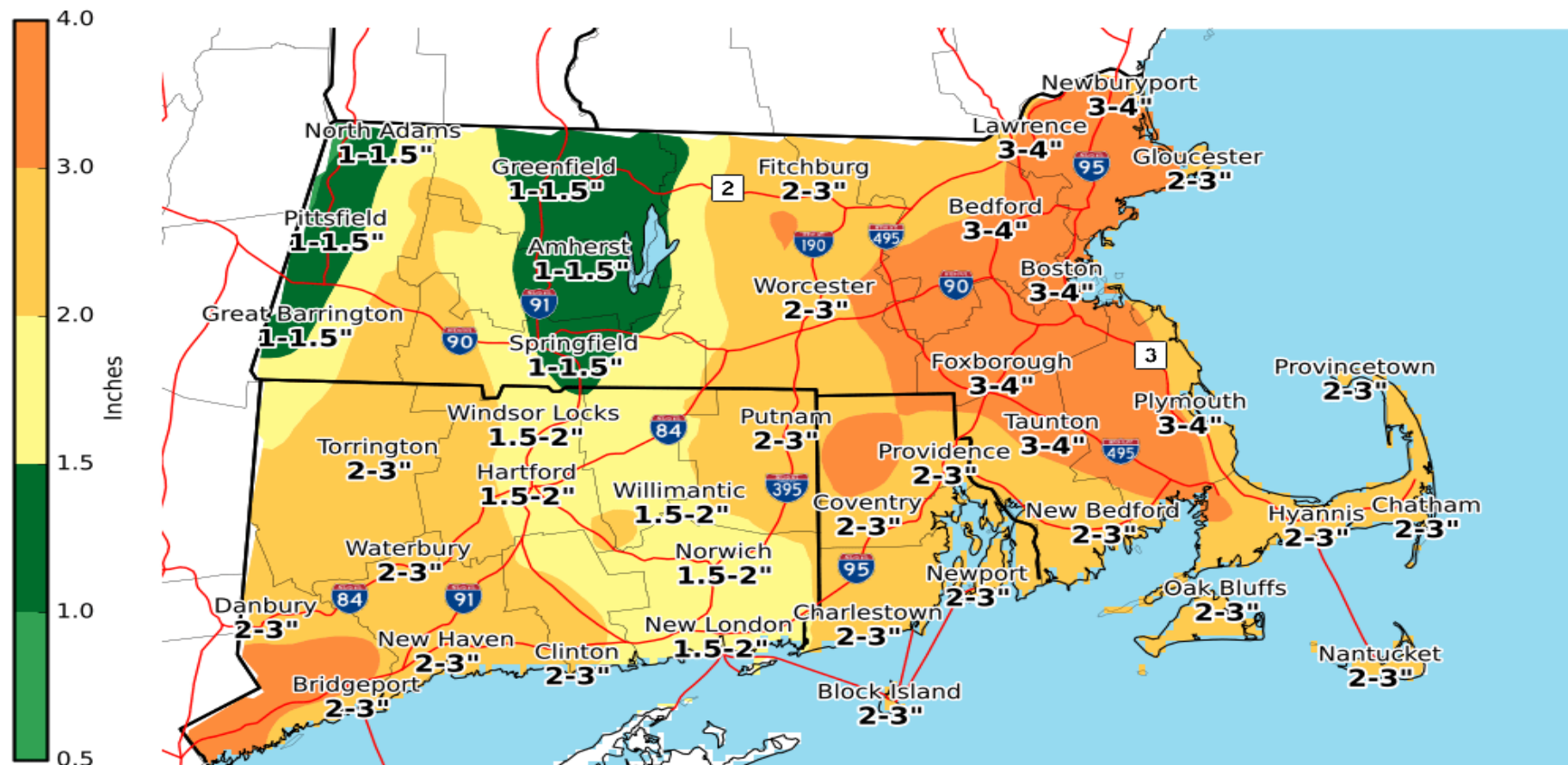
Flood Related Hazards



In Effect Tuesday through Wednesday Evening

Forecast Storm Total Precipitation

Rain Still To Come Valid: Today through Wednesday

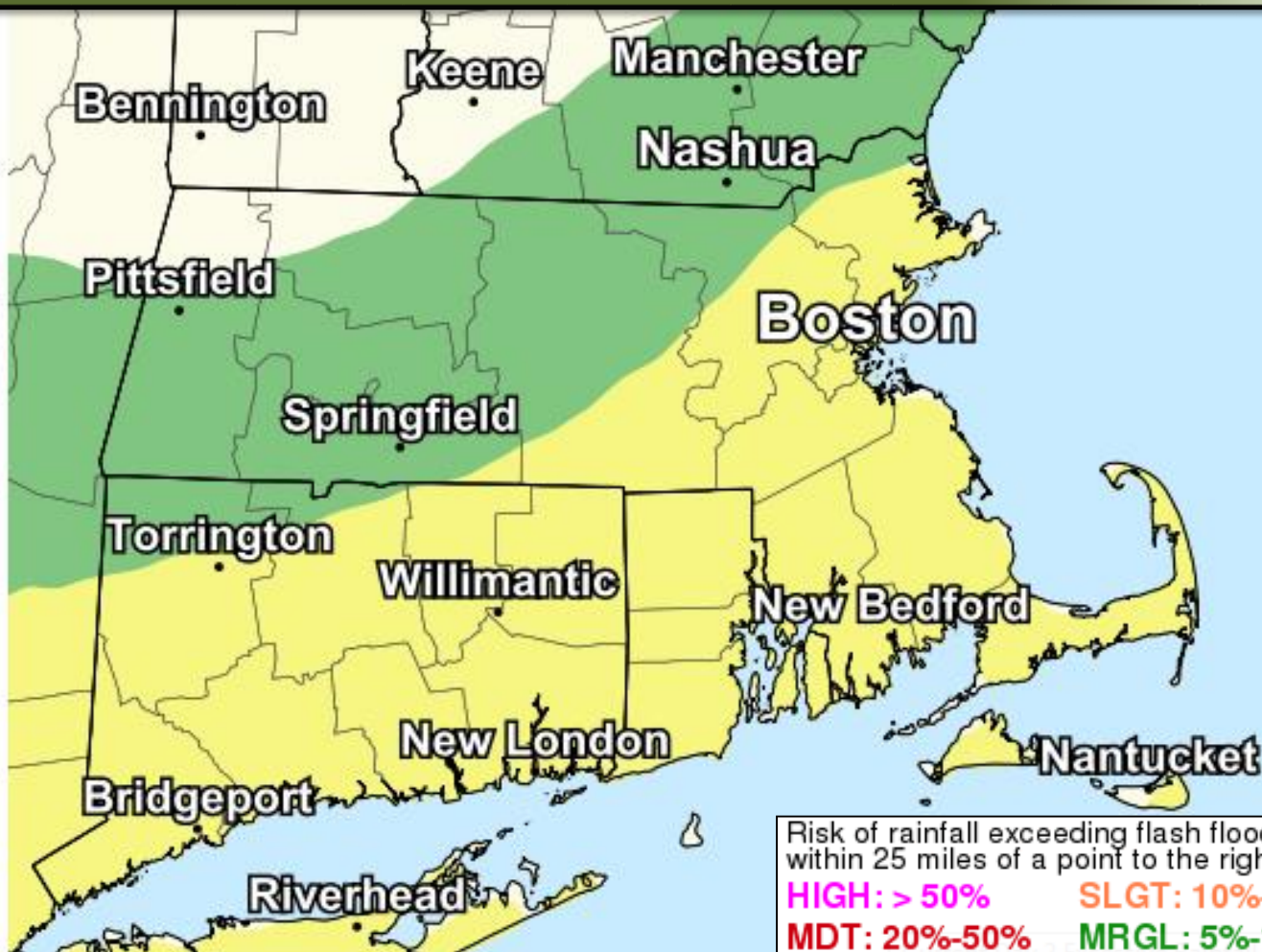


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Excessive Rainfall Outlooks – Day 1

- Marginal
- Slight
- Moderate
- High



Graphic Created
October 26th, 2021
3:54 AM EDT

Excessive Rainfall Outlook – Day 1

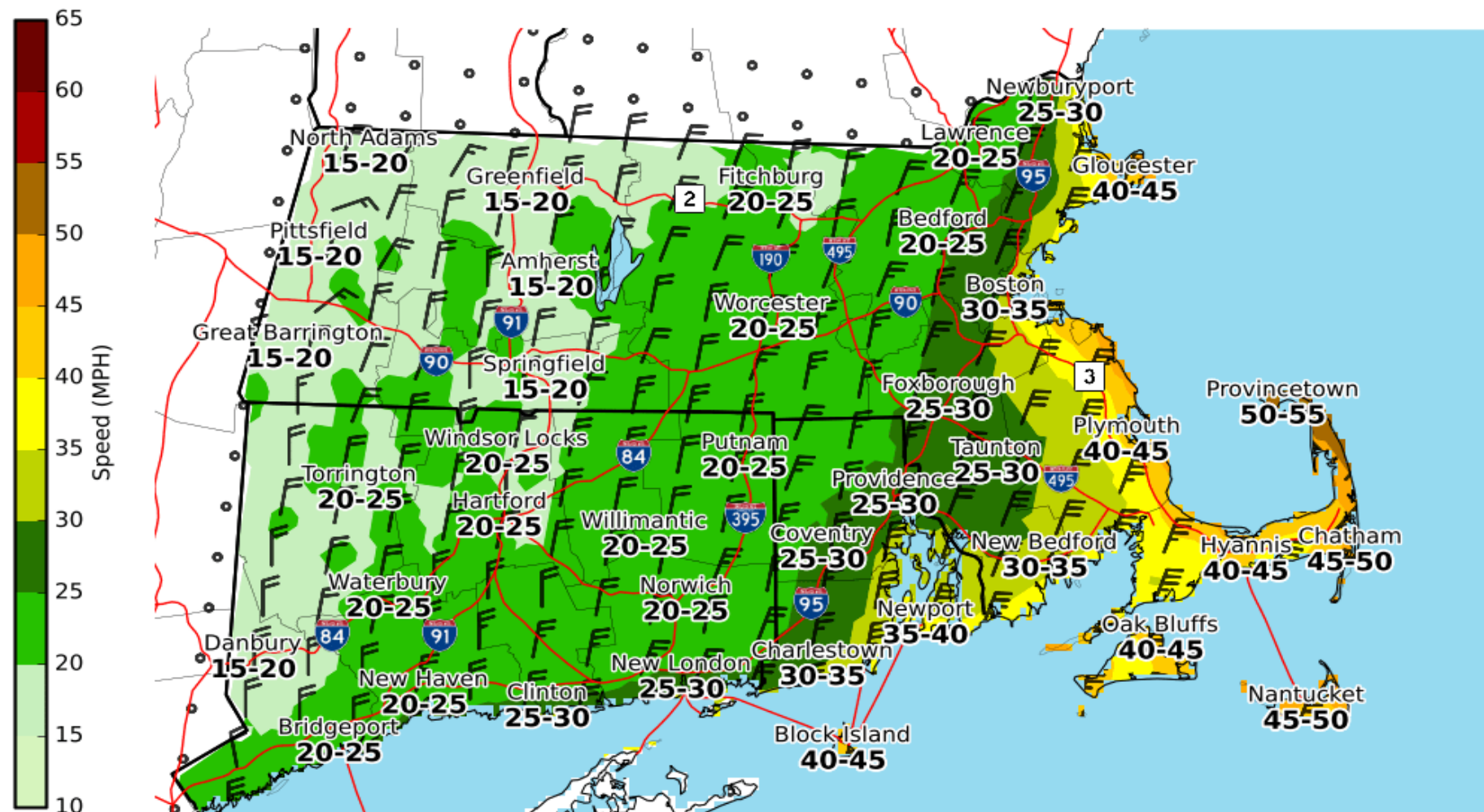
Wind Related Hazards



High Wind Warning ... 2 pm Tuesday to 2 pm Wednesday
Wind Advisory ... 6 pm Tuesday to 2 pm Wednesday

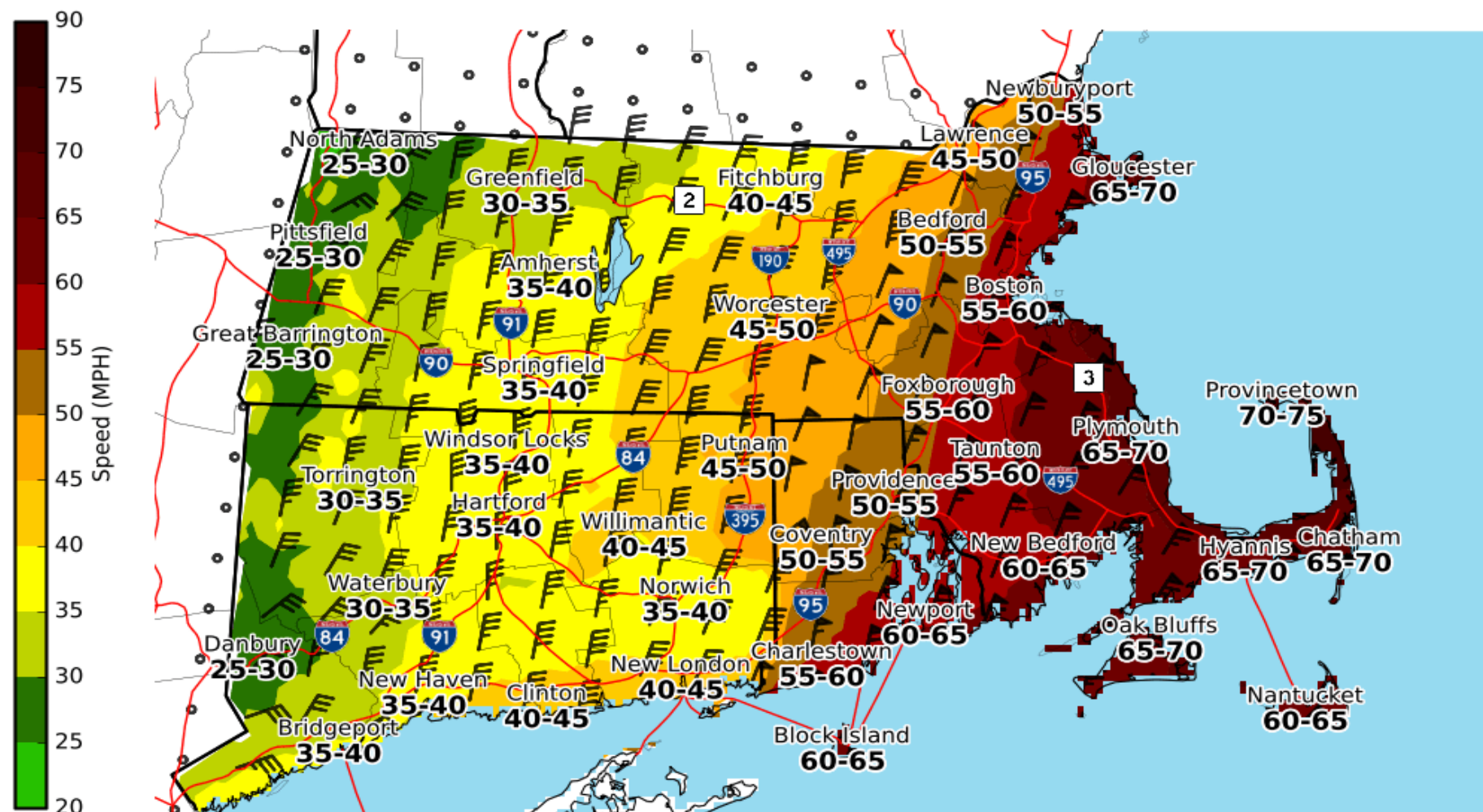
Forecast Maximum Sustained Winds

Max Sustained Wind (MPH) Valid: Today through Wednesday



Forecast Maximum Wind Gusts

Max Wind Gusts (MPH)
Valid: Today through Wednesday



Marine / Coastal Hazards



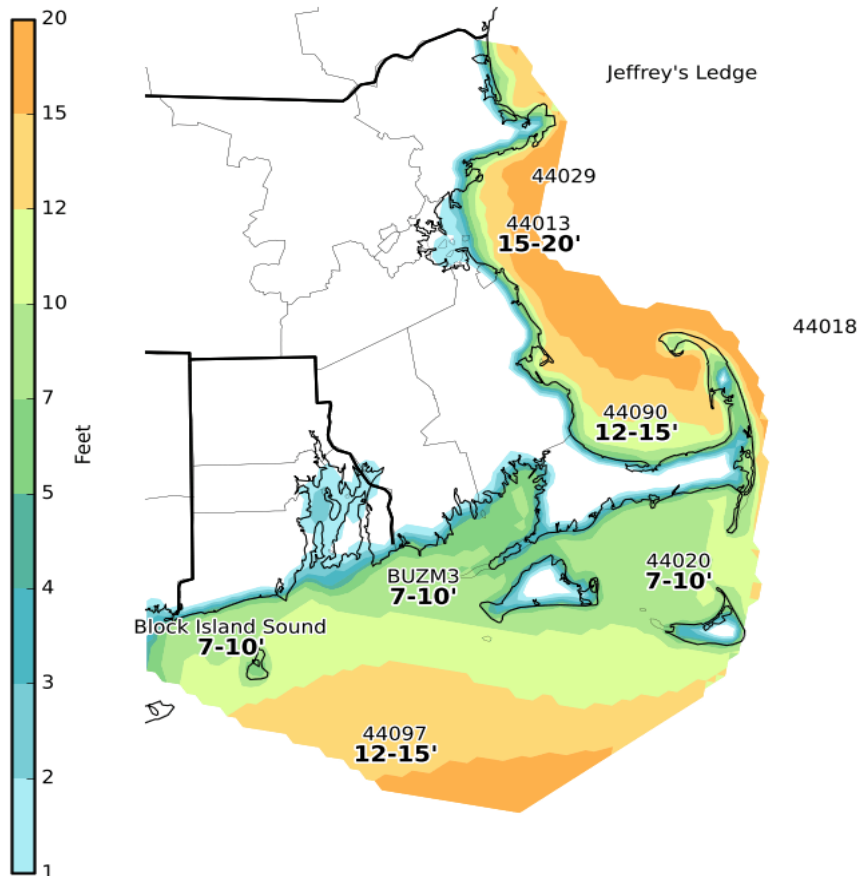
Storm Warning ... 2 pm Tuesday until 11 am Wednesday

Coastal Flood Advisory ... 3 am to 7 am Wednesday; 3 pm to 7 pm Wednesday

Forecast Maximum Wave Heights

Maximum Wave Height

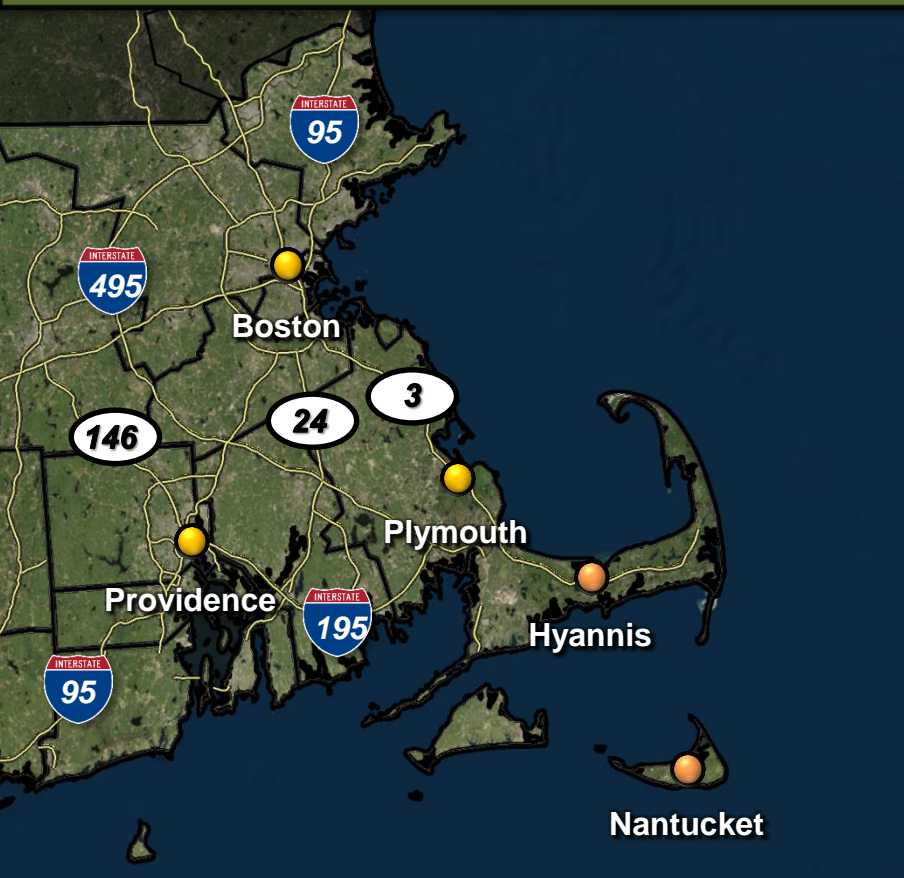
Valid: Today through Wednesday



Mariners

- Northeast gusts increase mid-afternoon today to gale/low end storm force.
- Peak gusts to storm force expected tonight into early Wednesday.
- Decreasing northeast gusts to gale force Wednesday late afternoon.
- Waves become rough and build to around 10 ft near shore, 20-25 ft offshore. Lower seas in the bays.

Coastal Flooding – Surge / Inundation



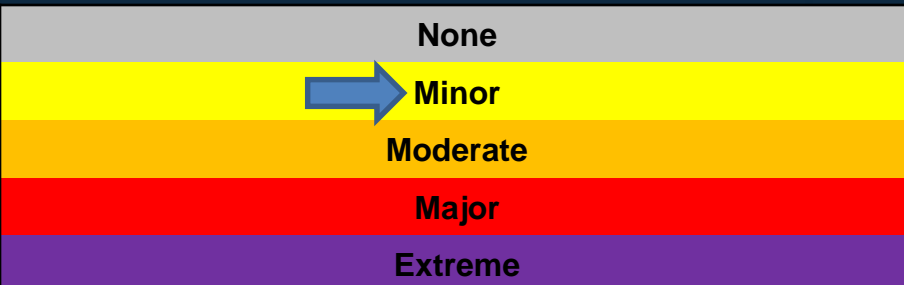
Minor Coastal Flooding

- Partial inundation within the flood zone, especially for low-lying areas.
- Vulnerable shore roads with up to one half foot of inundation possible. May be flooding of a few vulnerable basements.
- Some beach erosion with heavy surf tonight – Wed.

Timing

- Minor Coastal flooding for both early morning and afternoon high tides Wed.; beach erosion tonight – Wed night.

	Storm Surge Threat	Potential Impacts from Storm Surge
Little to None	0 to 1 feet above ground	No immediate preparations needed. Little to no potential storm surge flooding impacts
Elevated	1 to 3 feet above ground	To be safe, prepare for the potential of limited storm surge flooding impacts
Moderate	3 to 6 feet above ground	To be safe, earnestly prepare for the potential of significant storm surge flooding impacts
High	6 to 9 feet above ground	To be safe, aggressively prepare for the potential of significant storm surge flooding impacts
Extreme	> 9 feet above ground	To be safe, aggressively prepare for the potential of devastating to catastrophic storm surge flooding impacts



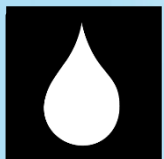
Threat Event Summary

✓ **Confidence**: Moderate to high on winds; moderate on rain & coastal flooding

✓ **What:**



Strong to damaging winds tonight – Wed.



Heavy rain capable of minor urban/poor drainage flooding.



Minor coastal flooding for both high tides Wed; moderate to significant beach erosion.

✓ **Where:** All of Southern New England

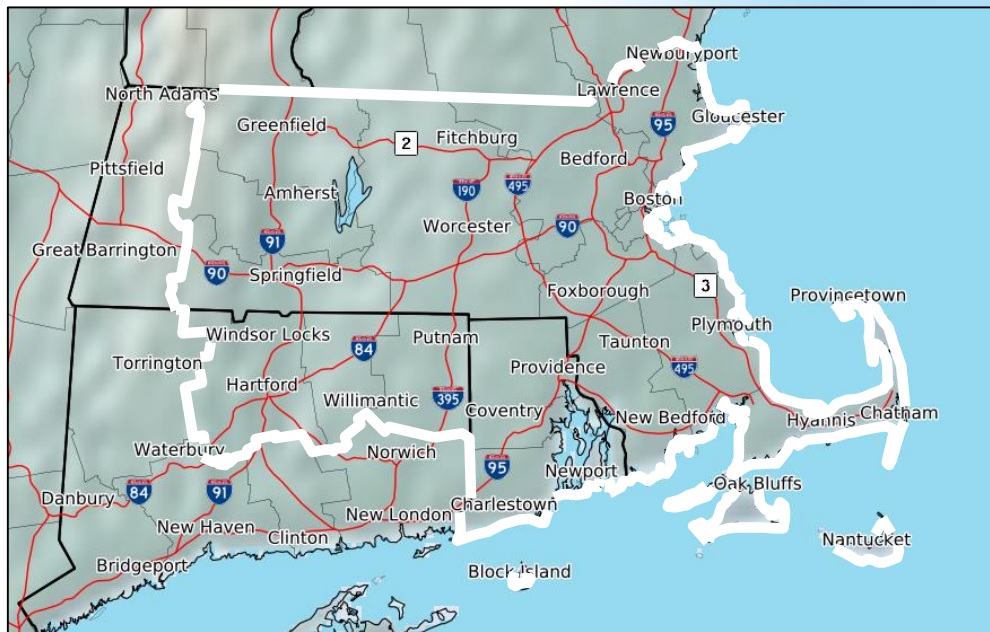
✓ **When:** Today into much of Wednesday

Contact and Next Briefing Information

Next Briefing

When: 6 pm, Tuesday, October 26th

Method: via email



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508-622-3250



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