

Autumn Nor'easter

National Weather Service

Decision Support Briefing # 3

Tuesday, October 26, 2021 3:02 PM




What Has Changed?

- ✓ Heavy rainfall threat shifts to eastern MA and RI tonight.

Headlines



Main Points

Hazard	Impacts	Location	Timing
Strong Winds 	<p>Tree and powerline damage with power outages. Greater tree damage potential given fully leafed trees & wet ground.</p>	<p>Worst of the wind impacts across eastern MA and Cape Cod and the Islands.</p>	<p>Strongest winds tonight into Wednesday morning. Easing Wednesday afternoon.</p>
Heavy Rain 	<p>Difficult travel. Areas of urban and poor drainage street flooding. Rises on rivers and streams.</p>	<p>Heaviest rainfall shifting to eastern MA and Rhode Island tonight.</p>	<p>Heaviest rain 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



Heavy Rain: All of Southern New England

None

Limited

Elevated

Significant

Extreme



Coastal Flooding/Beach Erosion: Eastern MA Coast

None

Limited

Elevated

Significant

Extreme



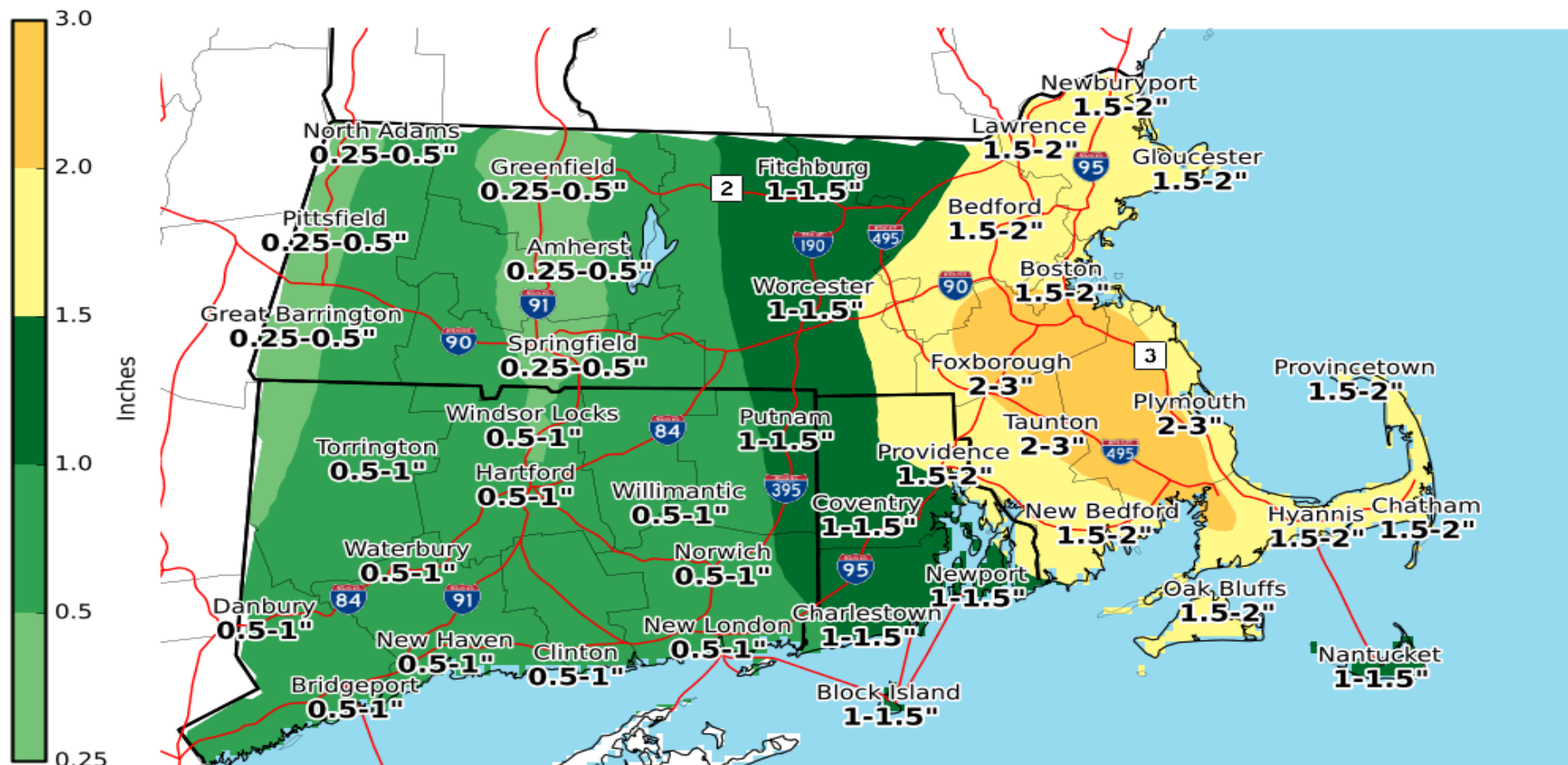
Flood Related Hazards



In Effect through Wednesday Evening

Additional Forecast Rainfall

Additional Rainfall Through Wednesday Valid: Late Afternoon through Wednesday



National Weather Service
Boston/Norton, MA
10/26/2021 01:30 PM EDT

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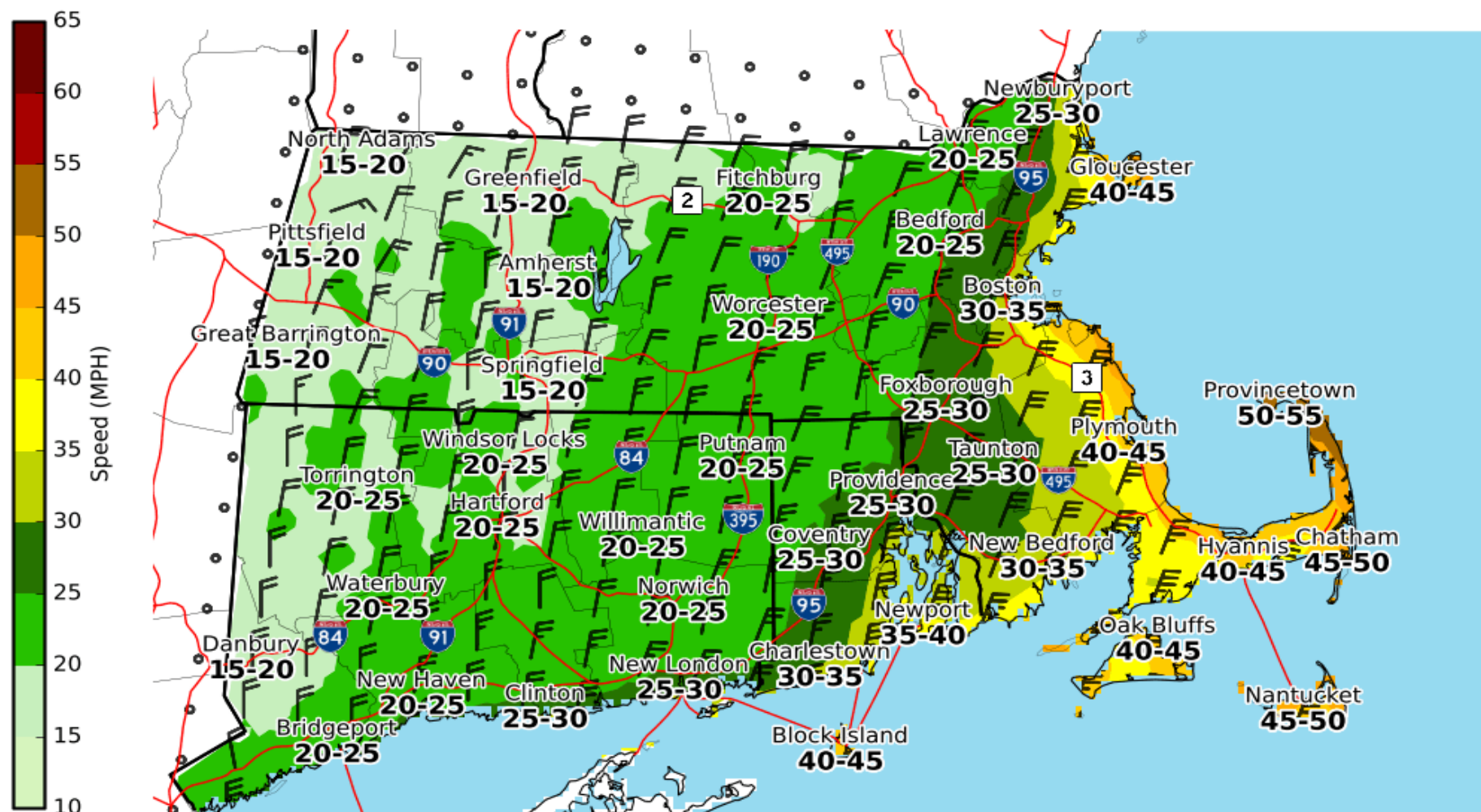
Wind Related Hazards



High Wind Warning into Wednesday Afternoon
Wind Advisory ... Until 2 pm Wednesday

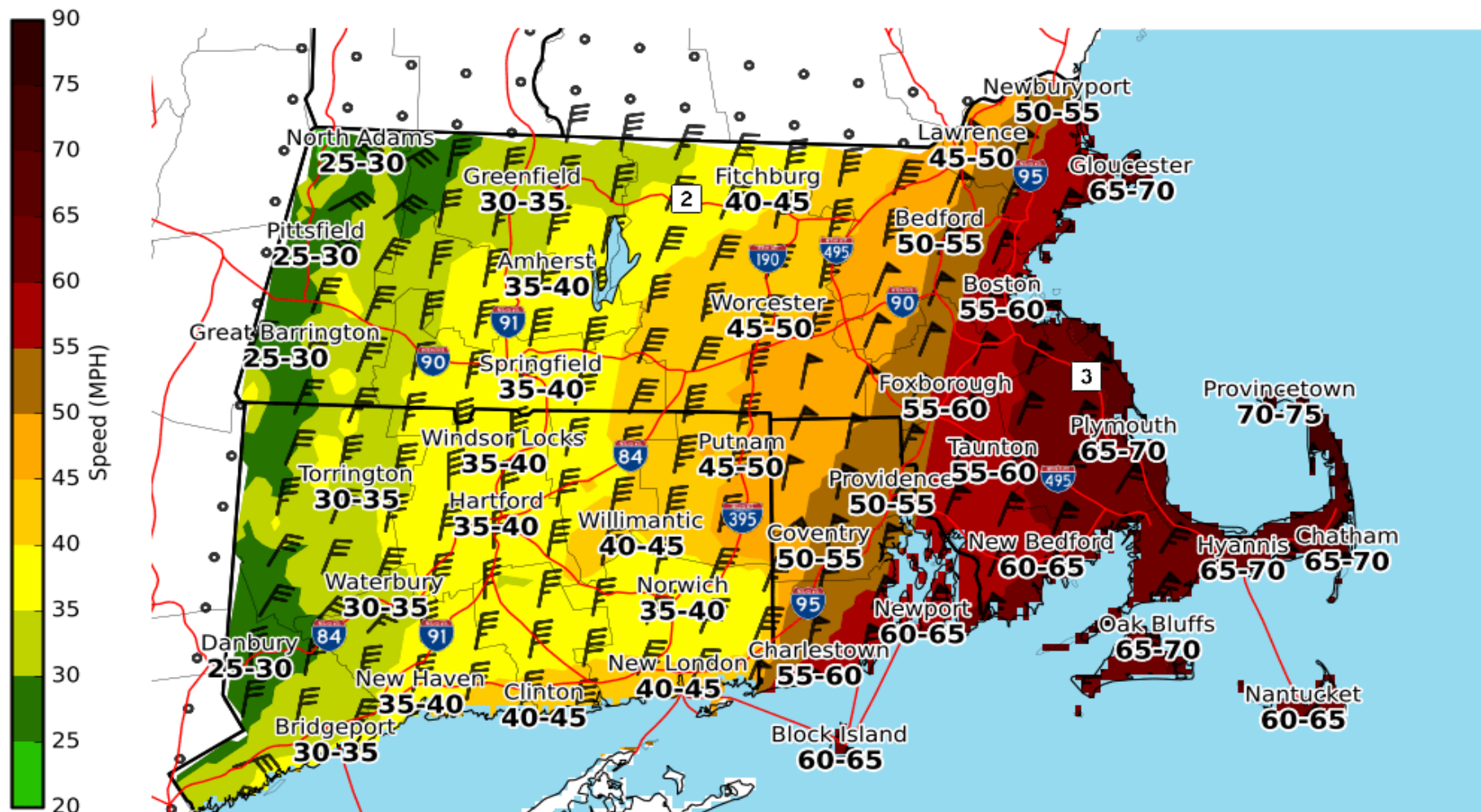
Forecast Maximum Sustained Winds

Max Sustained Wind (MPH) Valid: Tonight into Wednesday



Forecast Maximum Wind Gusts

Max Wind Gusts (MPH) Valid: Tonight into Wednesday



Marine / Coastal Hazards



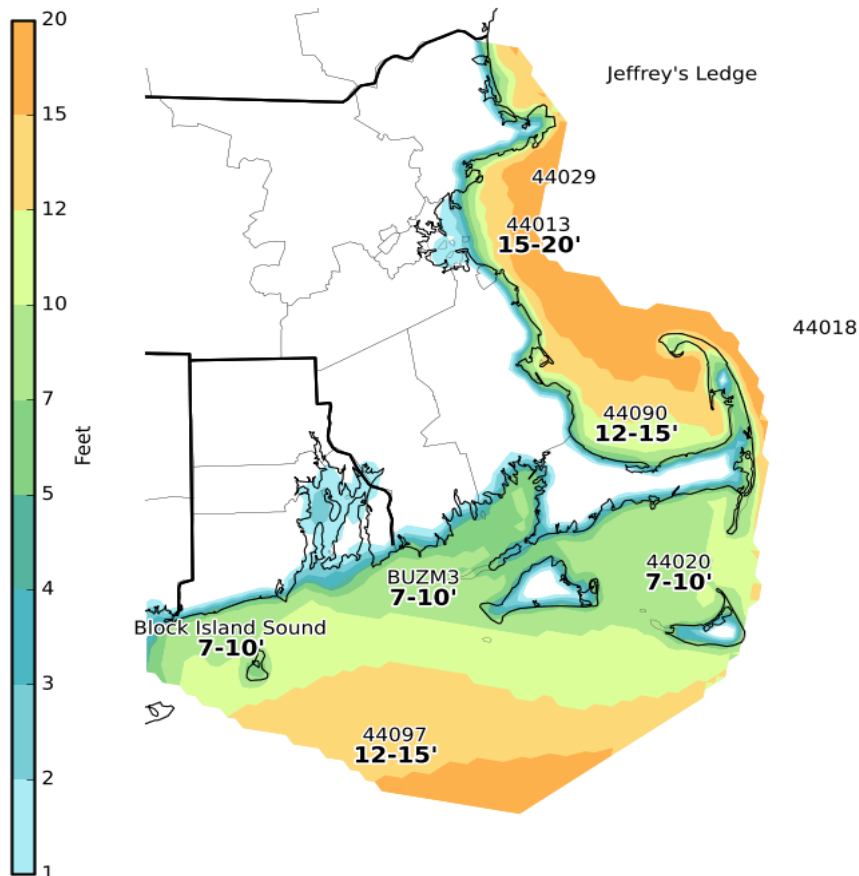
Storm Warning into Wednesday Afternoon

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

Forecast Maximum Wave Heights

Maximum Wave Height

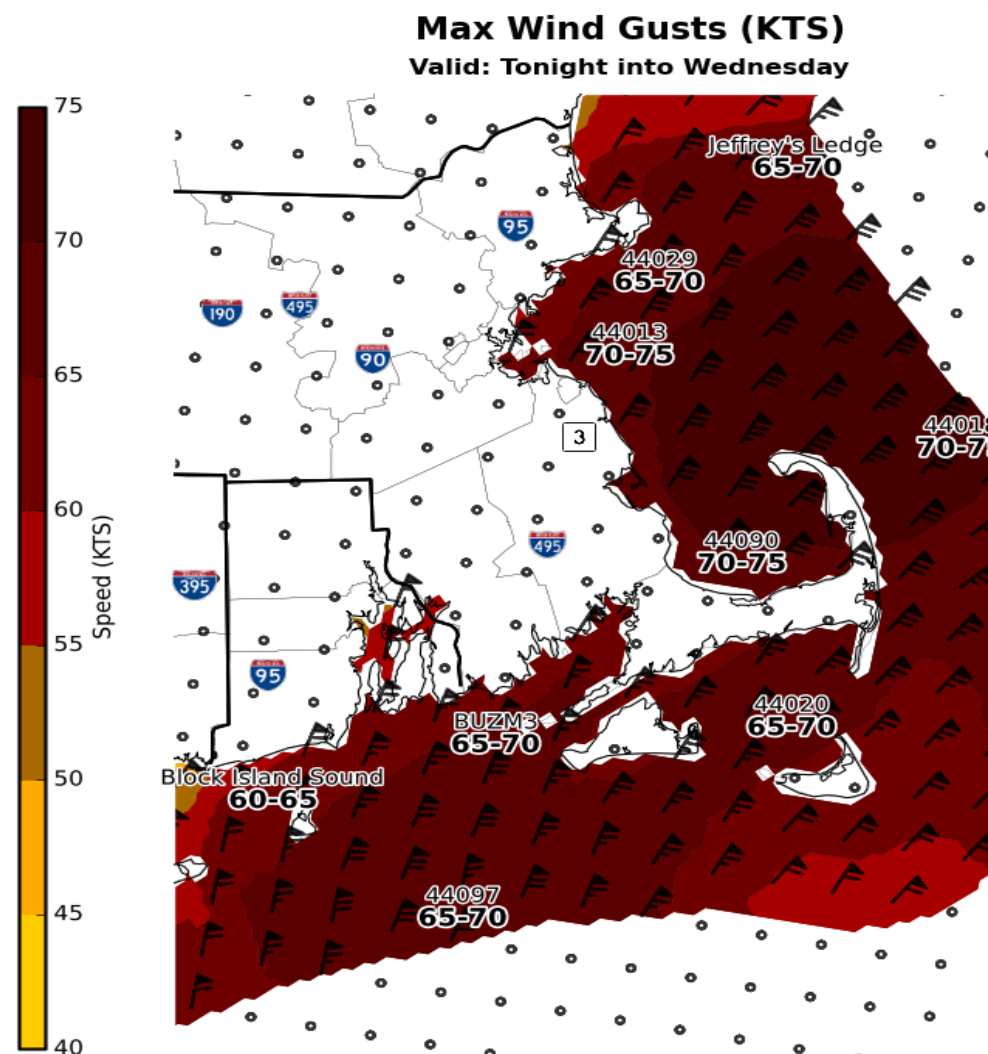
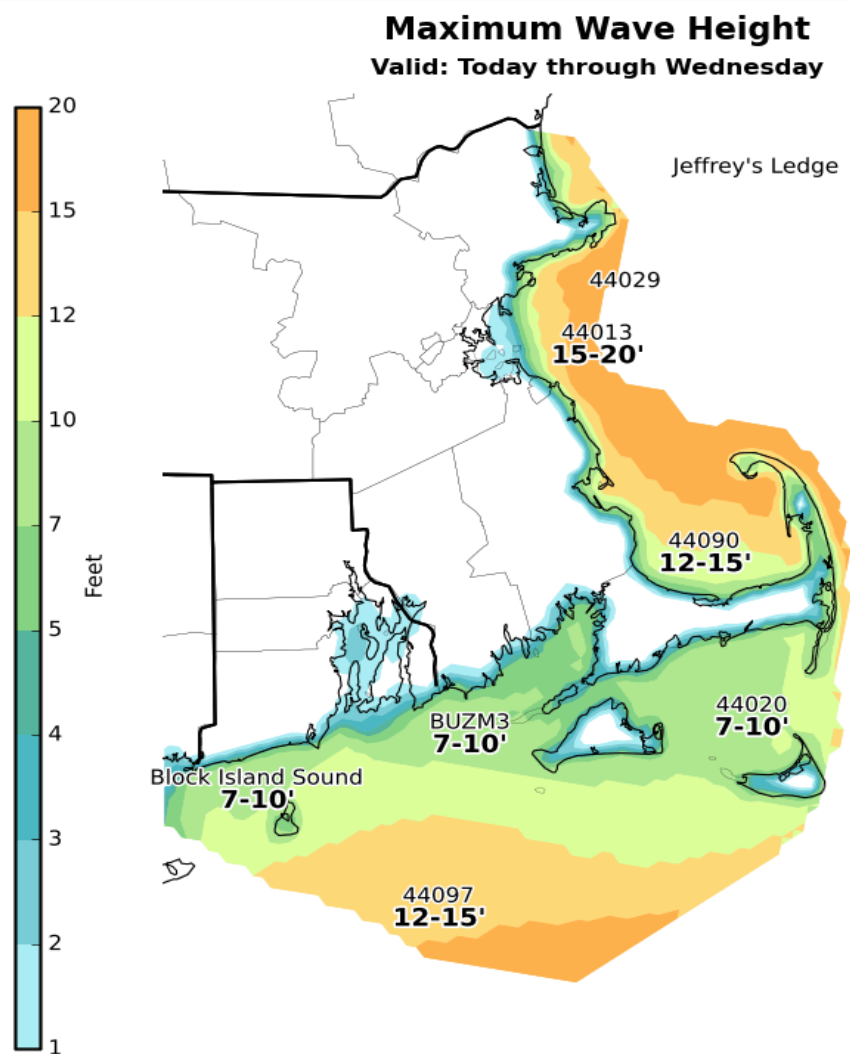
Valid: Today through Wednesday



Mariners

- Peak gusts to storm force (55 to 65 kt) expected tonight into early Wednesday.
- Decreasing northeast gusts to gale force during Wednesday afternoon.
- Waves building to 15-25 ft over open waters, highest east to north of Cape Cod

Forecast Maximum Wave Heights and Wind Gusts (in kts)



Coastal Flooding – Surge / Inundation

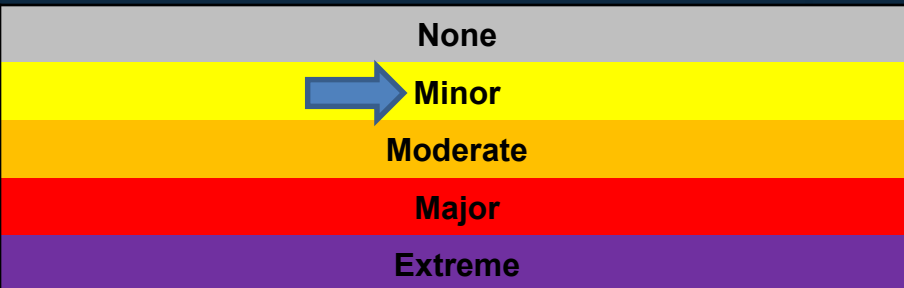


Minor Coastal Flooding

- 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.
- 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**: High on winds; Moderate on rain & coastal flooding

✓ **What:**



Strong to damaging winds tonight into Wed. Power outages likely.



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 am, Wednesday, October 27th

Method: via email



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Disclaimer: The information contained within this briefing is time-sensitive,
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