

# 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
<b>Strong Winds</b> 	<p>Tree and powerline damage with power outages. Greater tree damage potential given fully leafed trees &amp; 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>
<b>Heavy Rain</b> 	<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>
<b>Coastal Flooding</b> 	<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. <b><u>Beach erosion:</u></b> 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

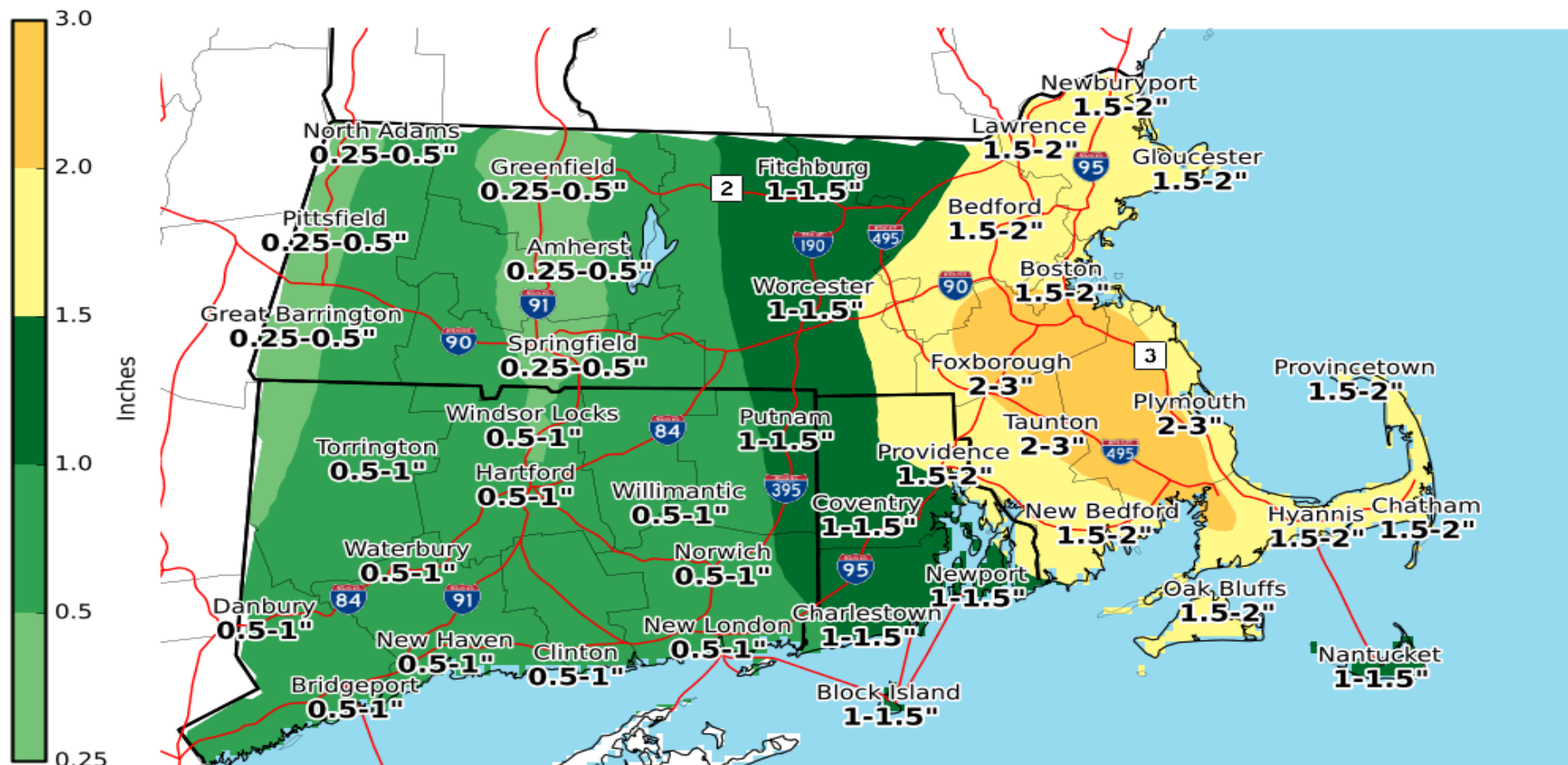


**In Effect through Wednesday Evening**



## 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

**Follow Us:**     
[weather.gov/Boston](https://weather.gov/Boston)

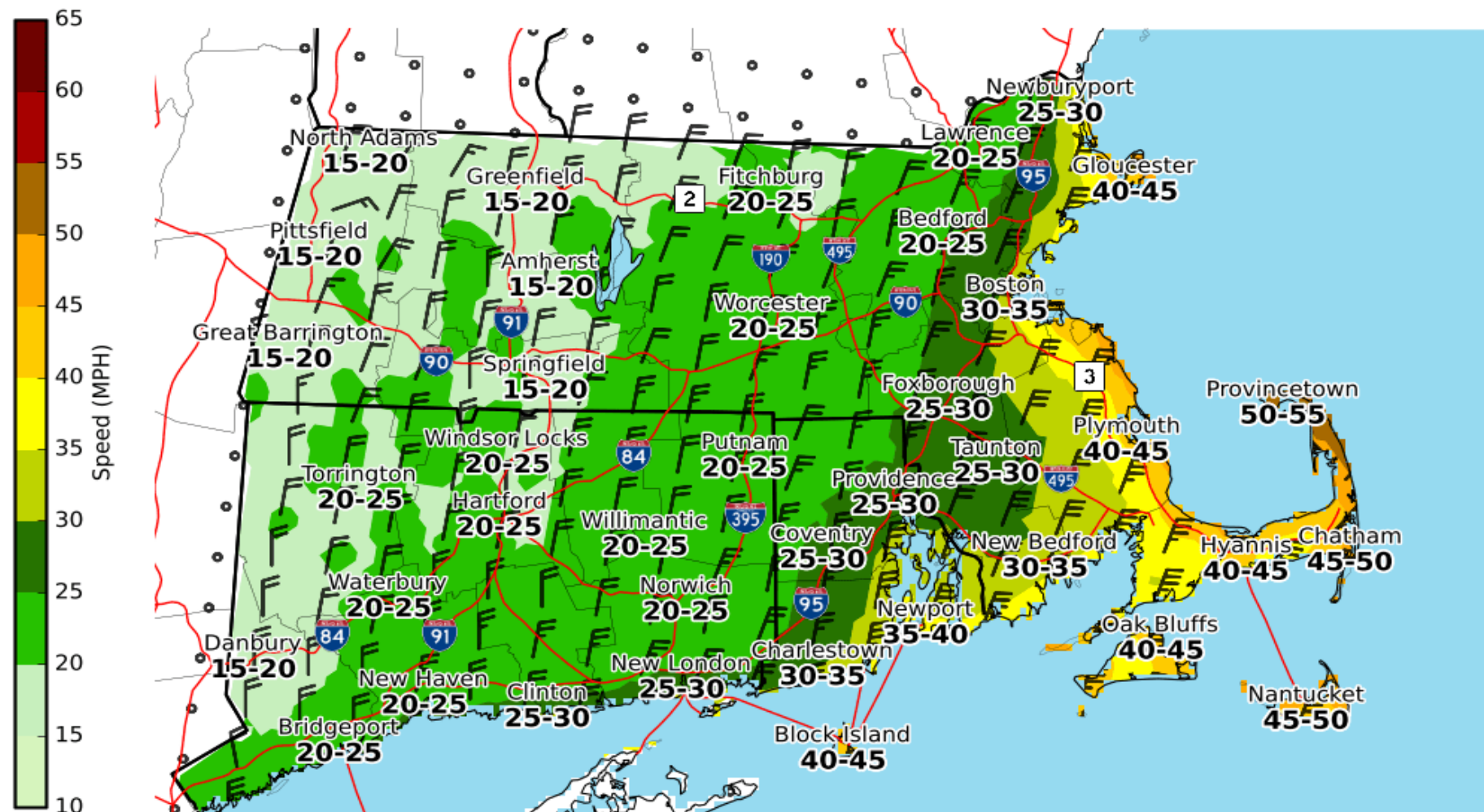
## Wind Related Hazards



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

## Forecast Maximum Sustained Winds

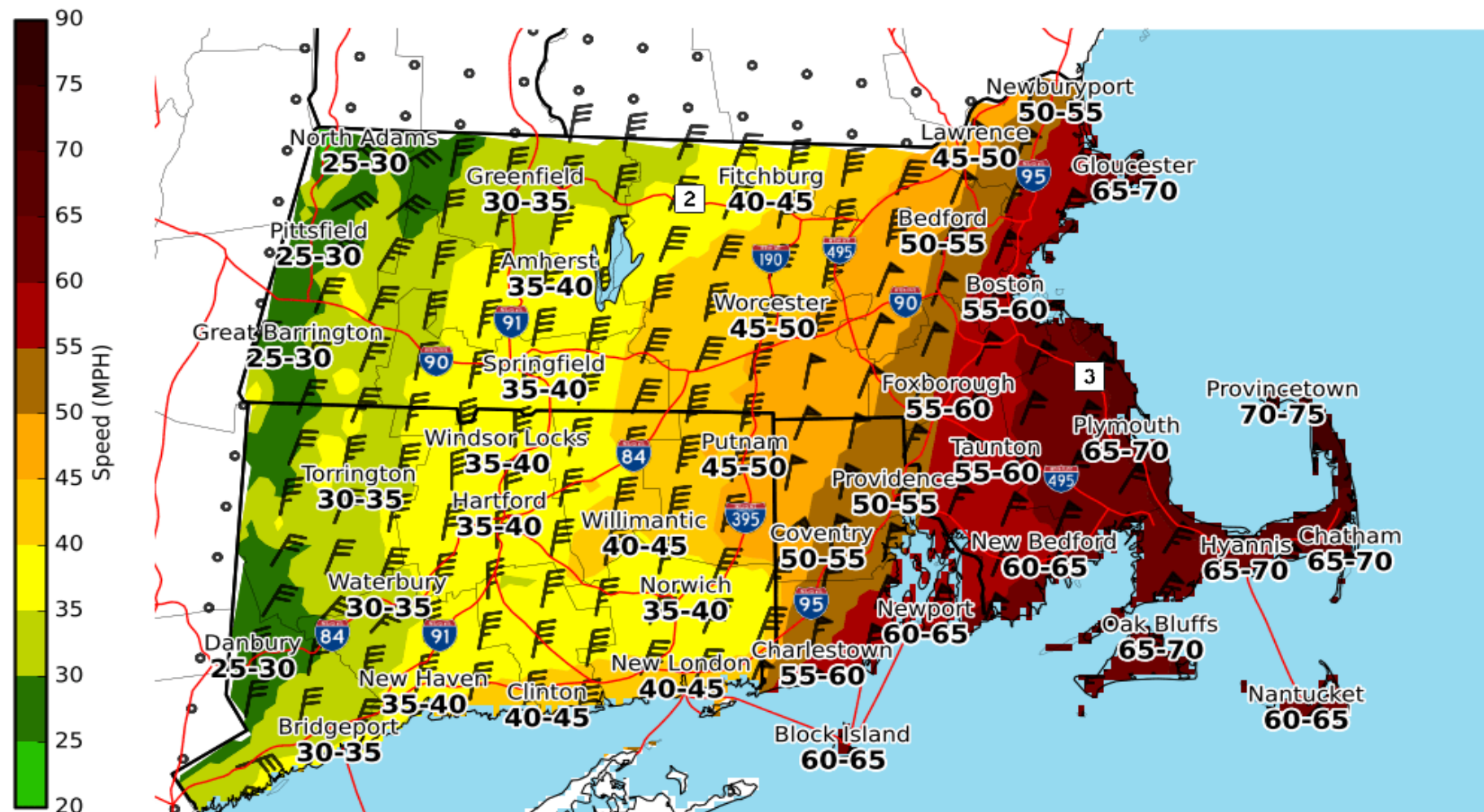
### Max Sustained Wind (MPH) Valid: Tonight into Wednesday





## Forecast Maximum Wind Gusts

### Max Wind Gusts (MPH) Valid: Tonight into Wednesday





## Marine / Coastal Hazards



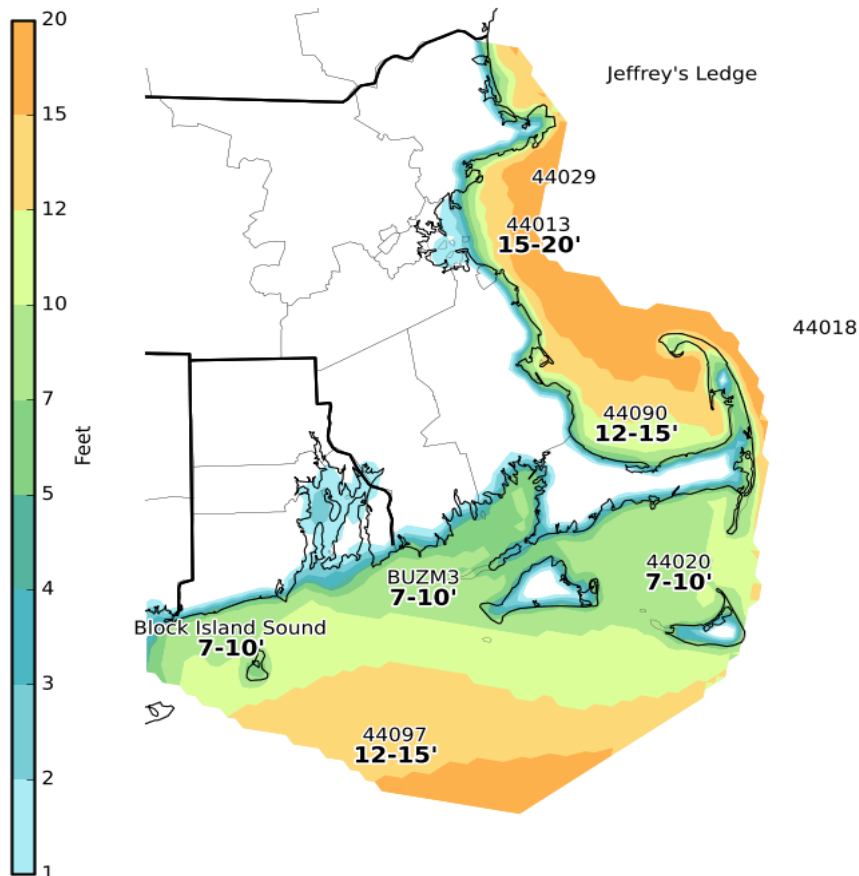
**Storm Warning into Wednesday Afternoon**

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

## Forecast Maximum Wave Heights

### Maximum Wave Height

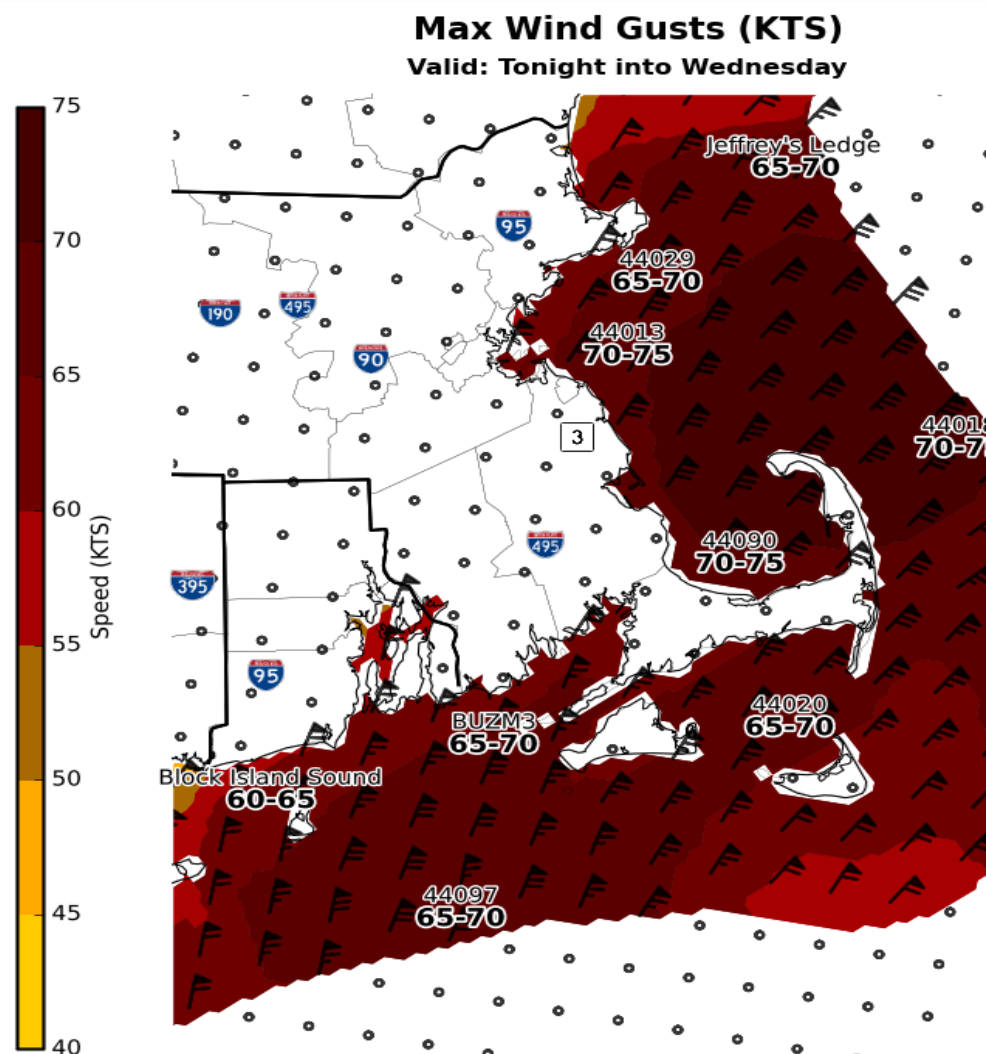
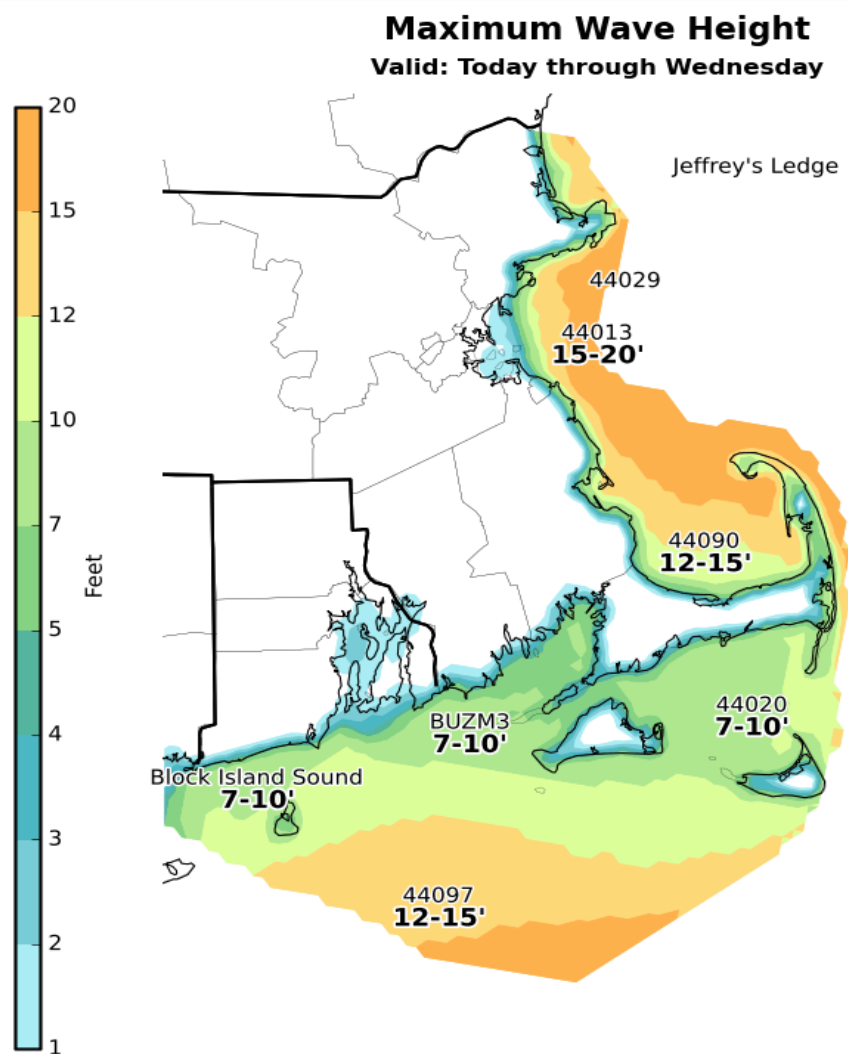
Valid: Today through Wednesday



### Mariners

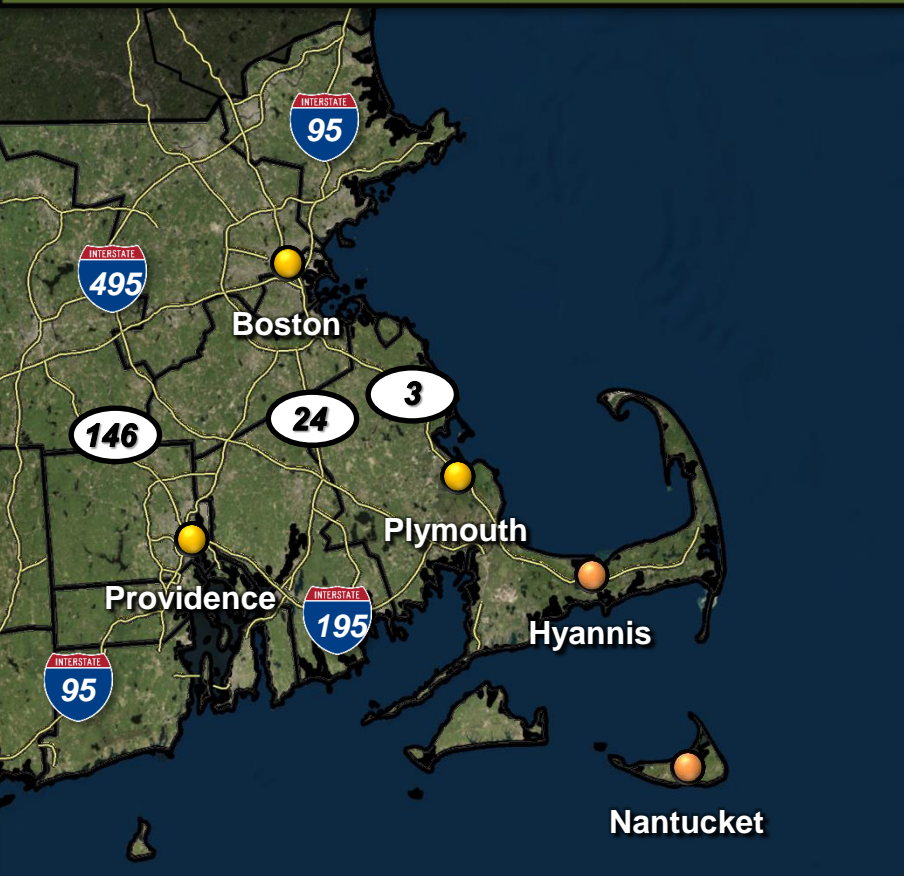
- Peak gusts to storm force (55 to 65 kt) expected tonight into early Wednesday.
- Decreasing northeast gusts to gale force during Wednesday afternoon.
- Waves building to 15-25 ft over open waters, highest east to north of Cape Cod

## Forecast Maximum Wave Heights and Wind Gusts (in kts)





## Coastal Flooding – Surge / Inundation



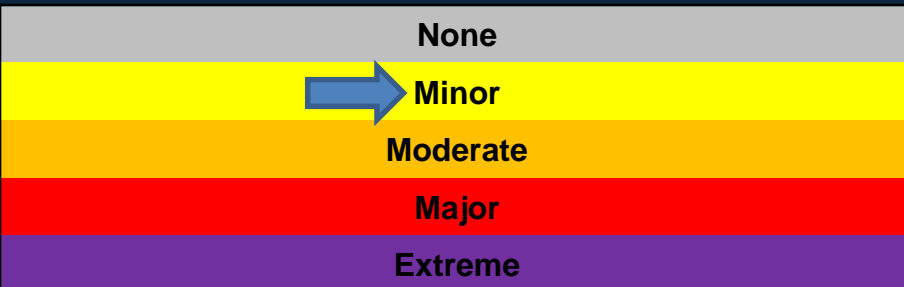
### Minor Coastal Flooding

- 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



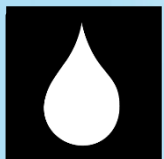
# Threat Event Summary

✓ **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

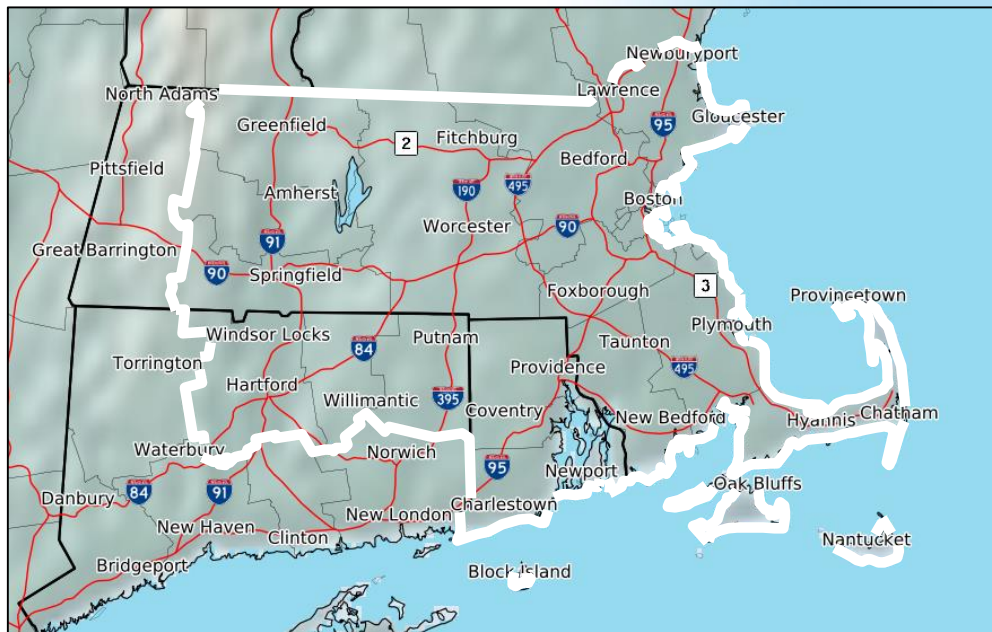
✓ **When:** Today into much of Wednesday

# Contact and Next Briefing Information

## Next Briefing

**When:** 6 am, Wednesday, October 27th

**Method:** via email



[www.weather.gov/boston](http://www.weather.gov/boston)



Phone (public):  
508-622-3250



Facebook:

[www.facebook.com/NWSBoston](http://www.facebook.com/NWSBoston)



Twitter:

[www.twitter.com/NWSBoston](http://www.twitter.com/NWSBoston)

**Disclaimer:** The information contained within this briefing is time-sensitive,  
do not use after 6 am, Wednesday, October 27th

