

Offshore Ocean Storm / Nor'Easter Today - Friday

National Weather Service
Decision Support Briefing # 3
Thursday, October 10, 2019 4:28 AM

What Has Changed?

The **FLOOD WATCH** was dropped for Suffolk and Norfolk County MA, including the City of Boston, as rainfall totals were trimmed down. Only 1 to 2 inches throughout the 2-day event are forecast across northeast & E-central MA.

The **WIND ADVISORY** was dropped for northeast CT and northwest RI as gusts exceeding 45 mph are no longer anticipated.

COASTAL FLOOD ADVISORY expanded to include Suffolk County MA including the City of Boston for the Thursday night high tide.

Hazards



GALE WARNINGS ... as late as 6 am Friday
STORM WARNINGS ... as late as 6 am Friday

COASTAL FLOOD ADVISORY ...
9 am to Noon today & 9 pm this evening to 1 am Friday

COASTAL FLOOD WARNING ...
9 pm this evening to 1 am Friday

HIGH WIND WARNING ... until 6 am Friday
WIND ADVISORY ... until 6 am Friday

FLOOD WATCH ... through Friday morning

Marine / Coastal Hazards







Wind Related Hazards



Flooding Hazards



Main Points

Hazard	Impacts	Location	Timing
Strong to Damaging Winds <i>Gusts as high as 40 to 60 mph + Fully-leafed trees</i> 	<ul style="list-style-type: none"> - Loose objects will become airborne - Scattered tree damage - Scattered power outages - Possible structure damage 	<ul style="list-style-type: none"> - MA & RI coastal communities - Especially along the immediate S/SE MA & RI coast, Cape & Islands 	<ul style="list-style-type: none"> - Strongest winds today into evening - Diminishing Friday into Friday night
Inland Flooding <i>Excessive rainfall risk with an additional 3 to 6 inch amounts, storm total up to 8"</i> 	<ul style="list-style-type: none"> - Urban, poor drainage flooding - Especially for coastal communities during high tide + storm surge 	<ul style="list-style-type: none"> - Plymouth and Bristol County MA - Cape & Islands 	<ul style="list-style-type: none"> - Periods of heavy rain today into Friday
Minor to Moderate Coastal Flooding <i>Around 2 foot surge 15 to 25 foot waves</i> 	<ul style="list-style-type: none"> - Flooding of near shore roads - Potential high tide road closures - Inundation of 1 to 2 feet possible 	<ul style="list-style-type: none"> - Eastern MA coastline - Especially Nantucket 	<ul style="list-style-type: none"> - For this evenings high tide - Highest surge forecast around tonight
Gale to Storm Force Winds Dangerous Seas <i>50+ knot winds possible Offshore seas +20 feet</i> 	<ul style="list-style-type: none"> - Strong winds and dangerous sea conditions for all vessels - Rescues possible 	<ul style="list-style-type: none"> - All waters - Especially S/SE waters off MA & RI 	<ul style="list-style-type: none"> - Strongest winds and biggest waves today into evening - Diminishing Friday into Saturday

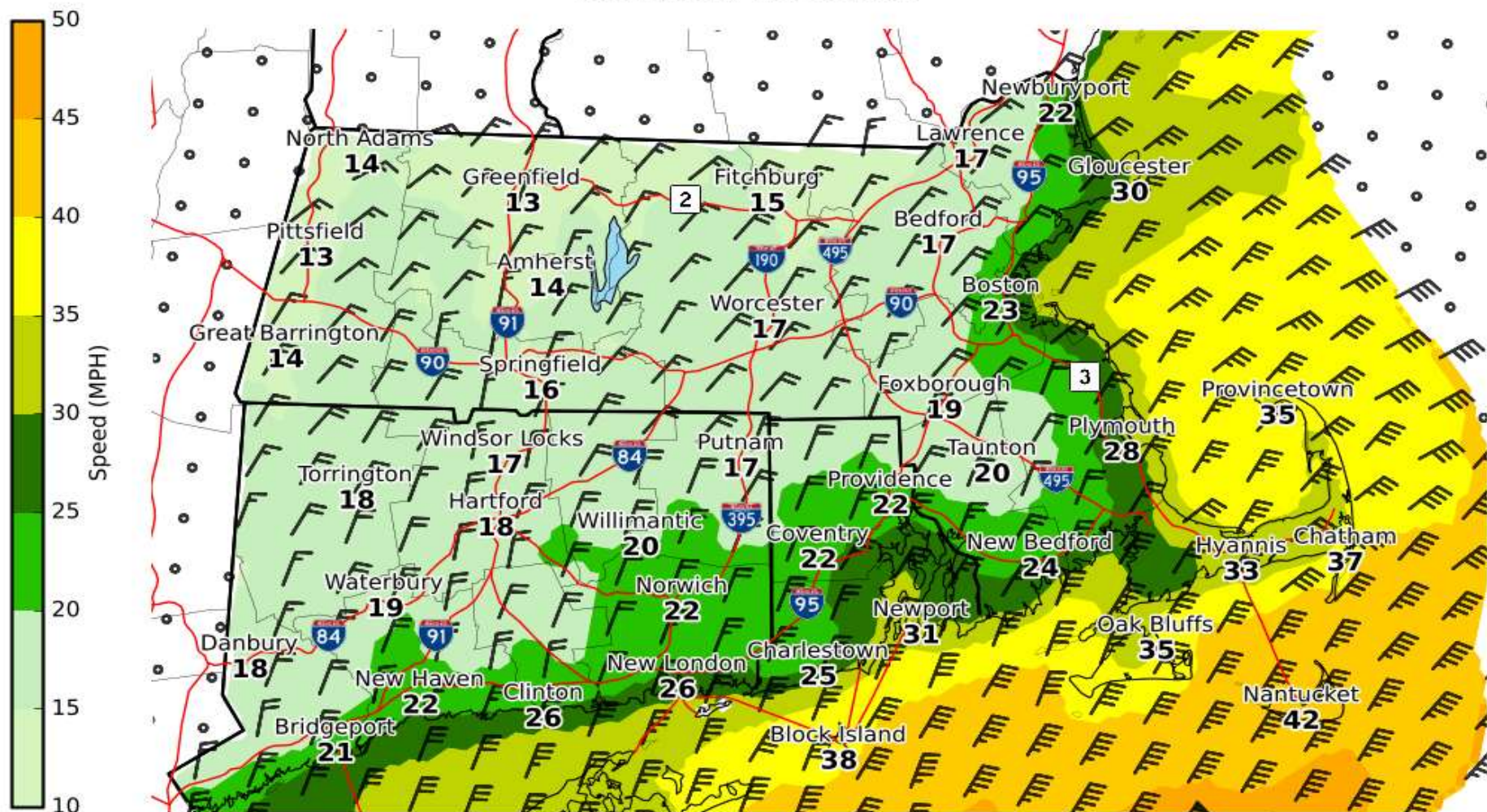
Hazard Descriptions

None	Limited	Elevated	Significant	Extreme
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Forecast Maximum Sustained Winds

Max Sustained Wind (MPH)

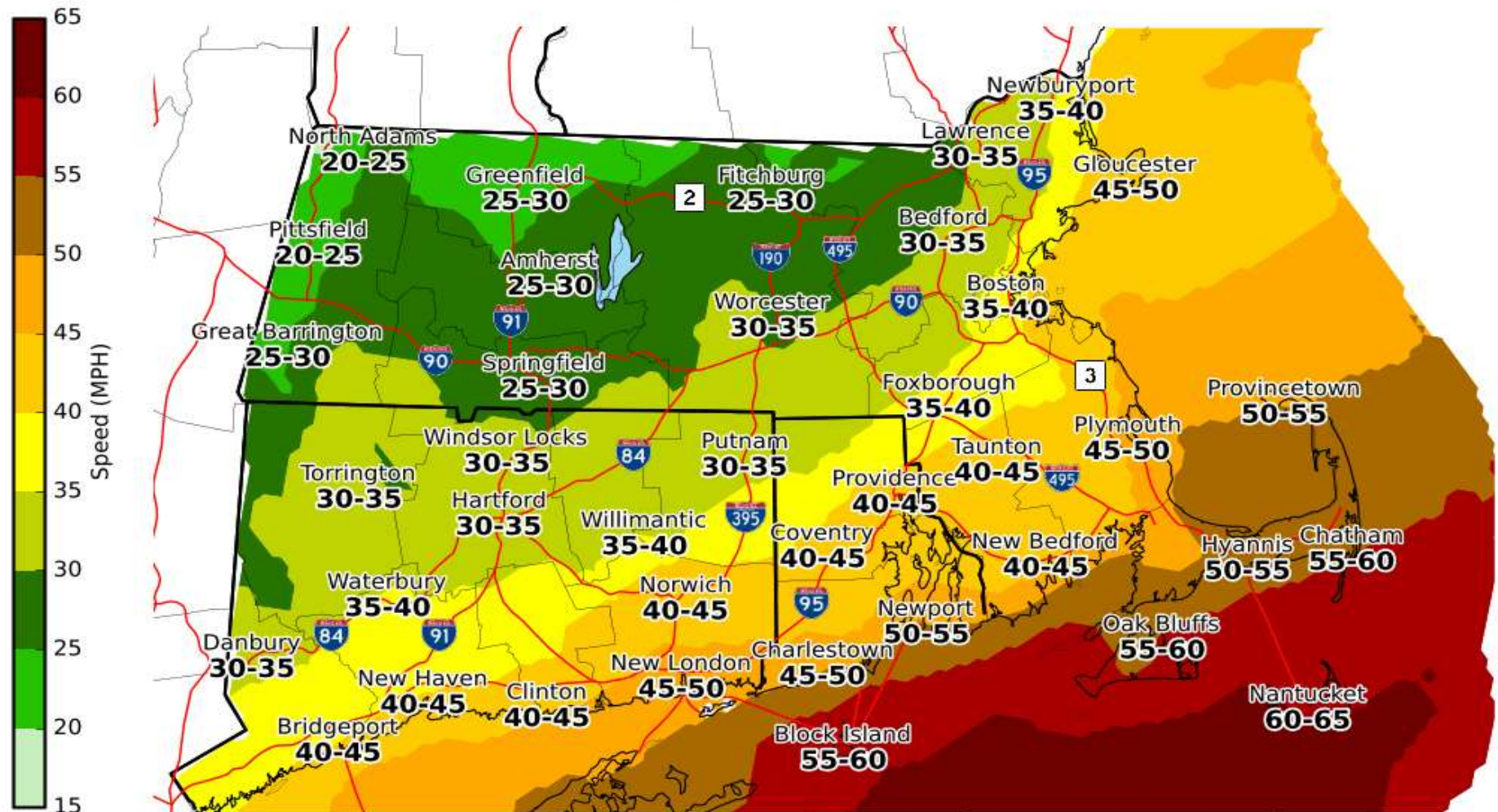
Valid: Today into Tonight



Forecast Maximum Wind Gusts

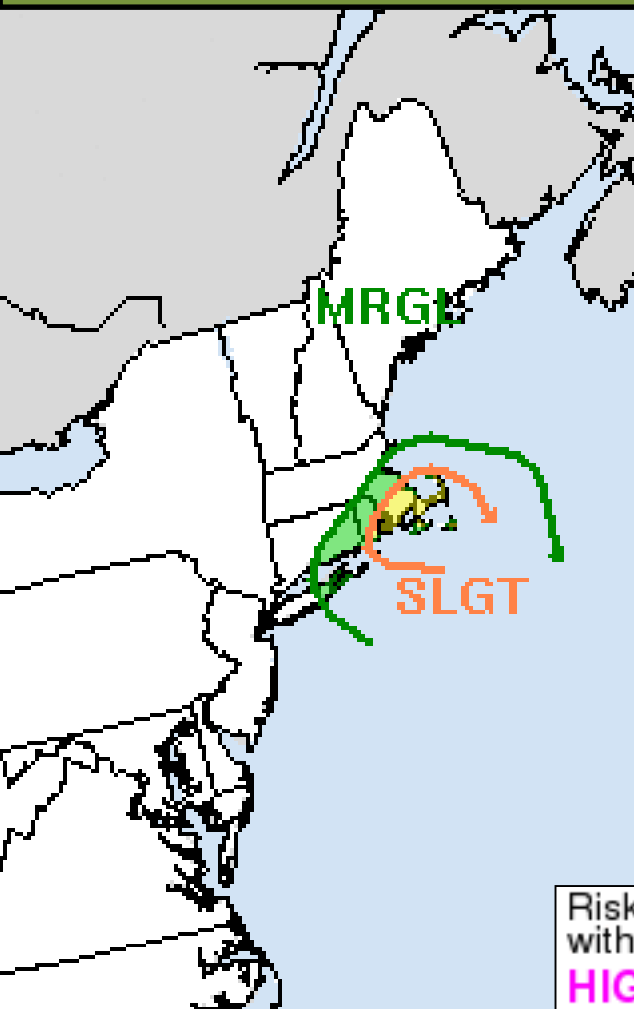
Max Wind Gusts (MPH)

Valid: Today into Tonight

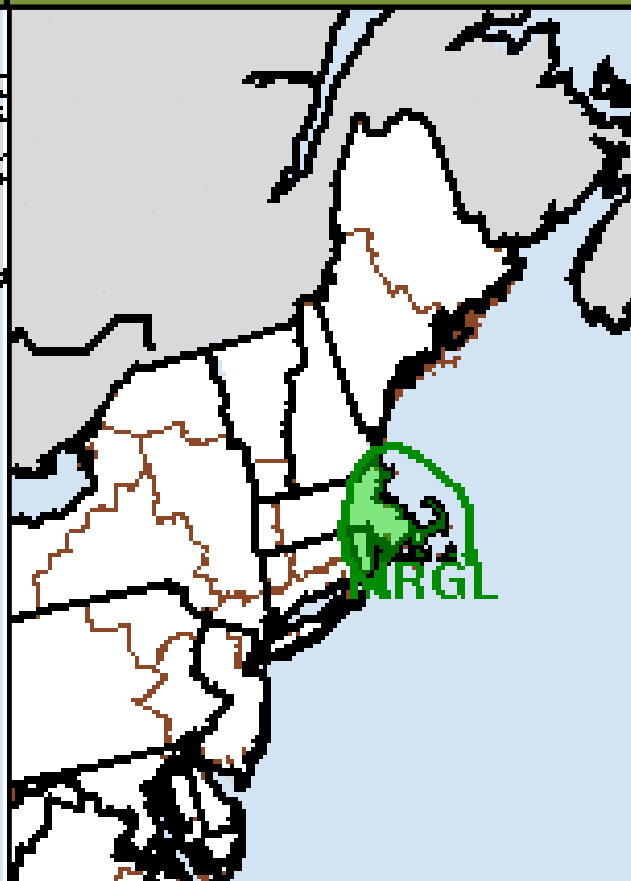


Excessive Rainfall Outlooks

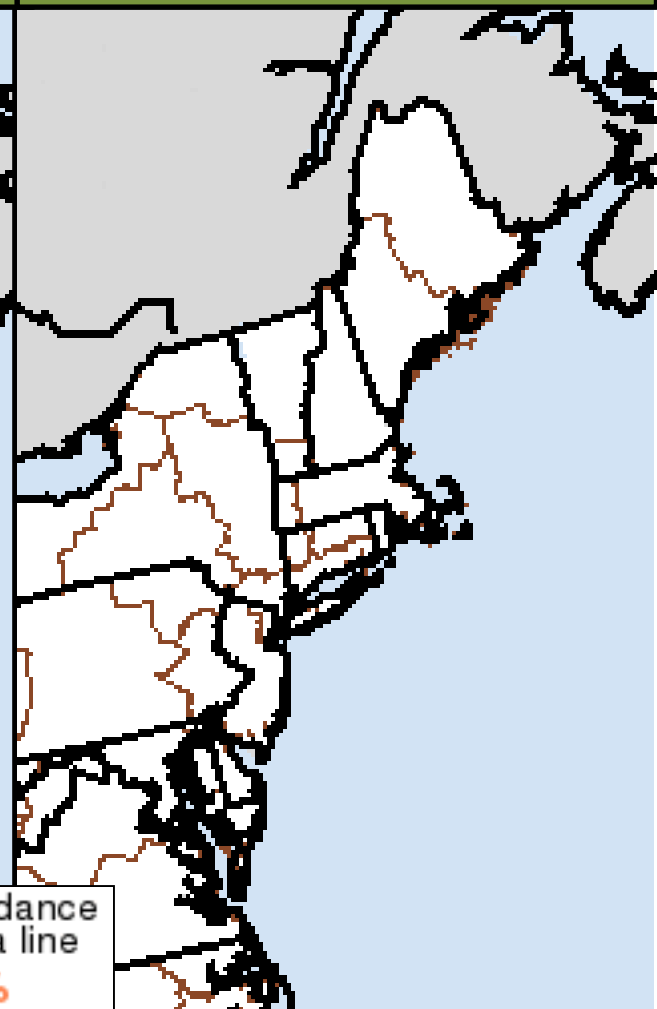
Today



Friday



Saturday



Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line

HIGH: > 50%

SLGT: 10%-20%

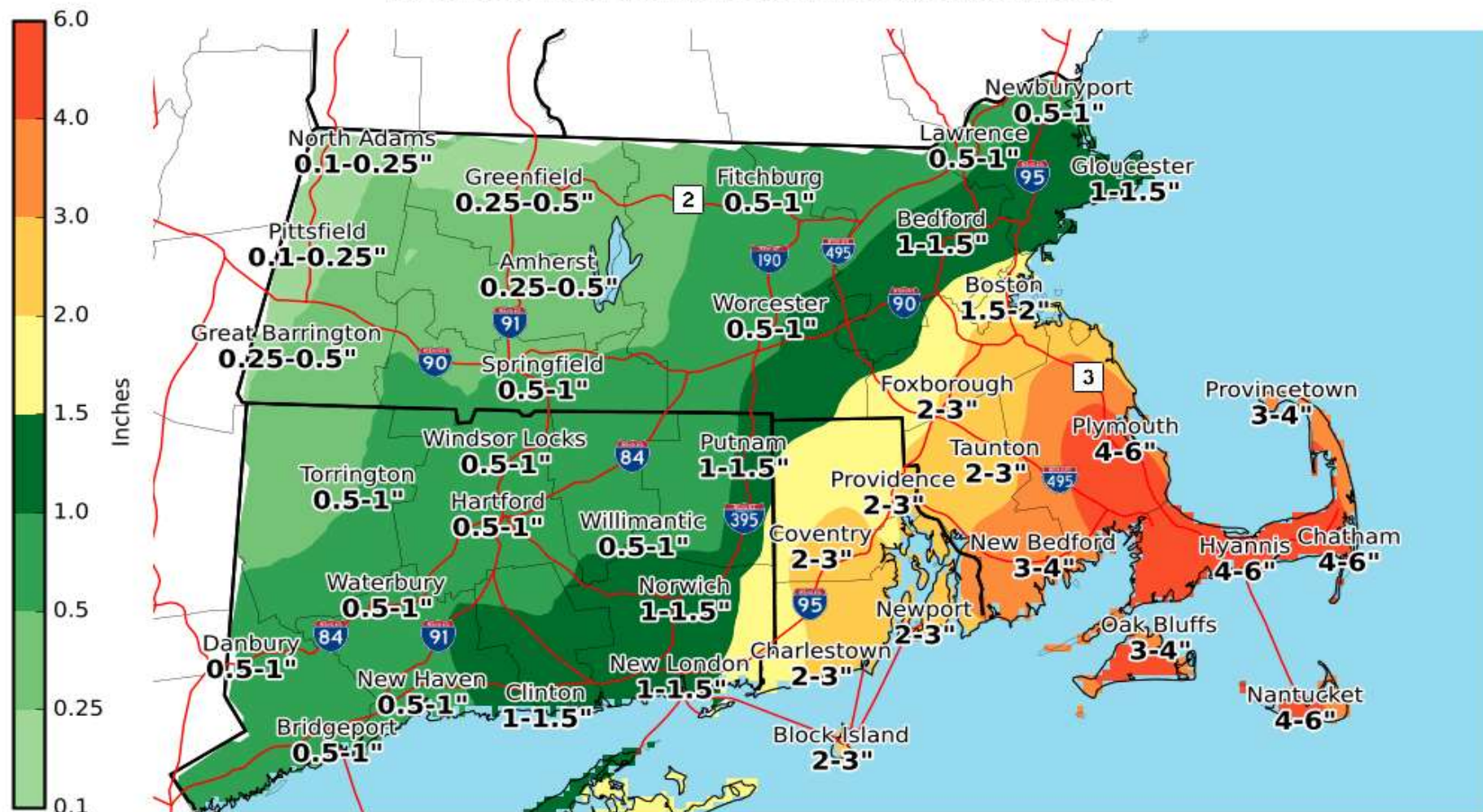
MDT: 20%-50%

MRGL: 5%-10%

Forecast Storm Total Precipitation

Expected Rainfall - Official NWS Forecast

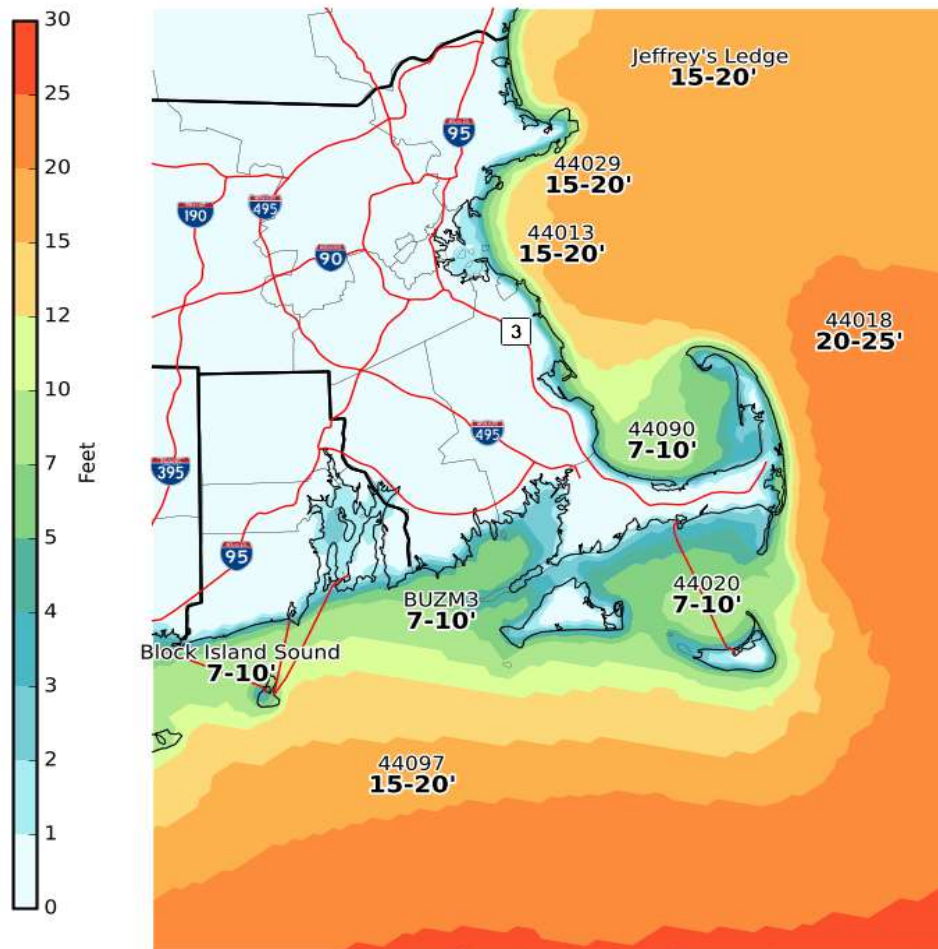
Valid: Additional Rainfall today through Friday night



Forecast Maximum Wave Heights and Wind Gusts (in kts)

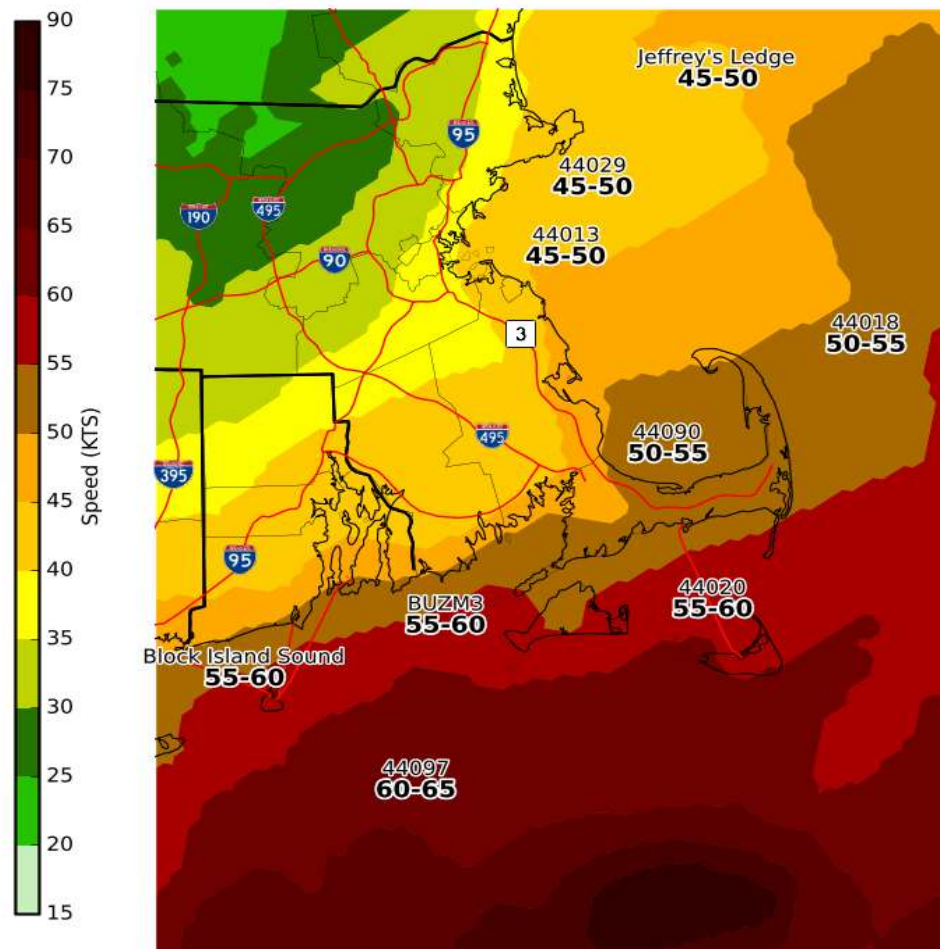
Maximum Wave Height

Valid: Today into Tonight



Max Wind Gusts (KTS)

Valid: Today into Tonight



Threat Event Summary

✓ **Confidence:** High that impacts will occur, however moderate on specific outcomes.

✓ **What / Where / When:**



Strong to damaging winds (Southeast MA, Cape & Islands, Southeast RI)

- Especially along the immediate coastline for the areas referenced above
- Max sustained around **20 to 40 mph**, max gusts around **40 to 60 mph**
- Scattered tree damage, power outages
- Strongest winds today into this evening, diminishing Friday into Friday night



Inland flooding (Southeast MA, Cape & Islands)

- Excessive rainfall risk with **an additional 3 to 6 inches**
- Including yesterday's rainfall, storm-total rainfall amounts upwards of 8-inches are possible
- Urban, poor drainage flooding especially for coastal communities during high tide + storm surge
- Periods of heavy rain today through Friday



Minor to moderate coastal flooding (E/SE Coastal MA including the Cape & Islands)

- Around 2 foot surge with high tides + around 15 to 25 foot waves
- Significant beach erosion anticipated
- Flooding near shore roads, potential closures, inundation of 1 to 2 feet possible
- For the high tide cycle this evening



Gale to storm force winds along with dangerous seas (all waters)

- Dangerous sea conditions for all vessels, rescues possible
- Highest seas and strongest winds today into this evening, diminishing Friday into Saturday
- Max sustained winds around 25-35 kts, gusts around 35-55 kts; highest seas around 15-25 feet

Contact and Next Briefing Information

Next Briefing

When: 5 pm, Thursday, October 10th

Method: via email



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Disclaimer: The information contained within this briefing is time-sensitive,
do not use after 5 pm, Thursday, October 10th, 2019