

Offshore Ocean Storm / Nor'Easter Tonight - Friday

National Weather Service
Decision Support Briefing # 2
Wednesday, October 9, 2019 4:26 PM

GALE WARNINGS
STORM WARNINGS

E waters
S/SE waters

FLOOD WATCH

Southeast MA

WIND ADVISORY
HIGH WIND WARNING

RI & SE MA
Cape & Islands

COASTAL FLOOD ADVISORY
Thursday morning high tide

Nantucket

COASTAL FLOOD WATCH
Thursday night high tide

Southeast MA

Hazards



GALE WARNINGS ... thru 6 am Friday
STORM WARNINGS ... 2 am Thursday to 6 am Friday
COASTAL FLOOD ADVISORY ... 9 am to Noon Thursday
COASTAL FLOOD WATCH ... Thurs evening to Thurs night
HIGH WIND WARNING ... 2 am Thursday to 6 am Friday
WIND ADVISORY ... 2 am Thursday to 6 am Friday
FLOOD WATCH ... 2 am Thursday to 6 am Friday

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-leaved 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 the Cape & Islands 	<ul style="list-style-type: none"> - Developing today - Height of winds @ Thurs afternoon - Diminishing Friday into Friday night
Inland Flooding <i>Excessive rainfall risk with short-duration 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"> - Eastern MA, all of Rhode Island - Especially the Cape & Islands 	<ul style="list-style-type: none"> - Heaviest rain late tonight through Thursday night
Minor to Moderate Coastal Flooding <i>Around 2 foot surge 10 to 20 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"> - Over multiple high tide cycles Thursday and Friday
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"> - Building today into Thursday - Height of wind and wave activity Thursday afternoon into evening - Diminishing Friday into Saturday

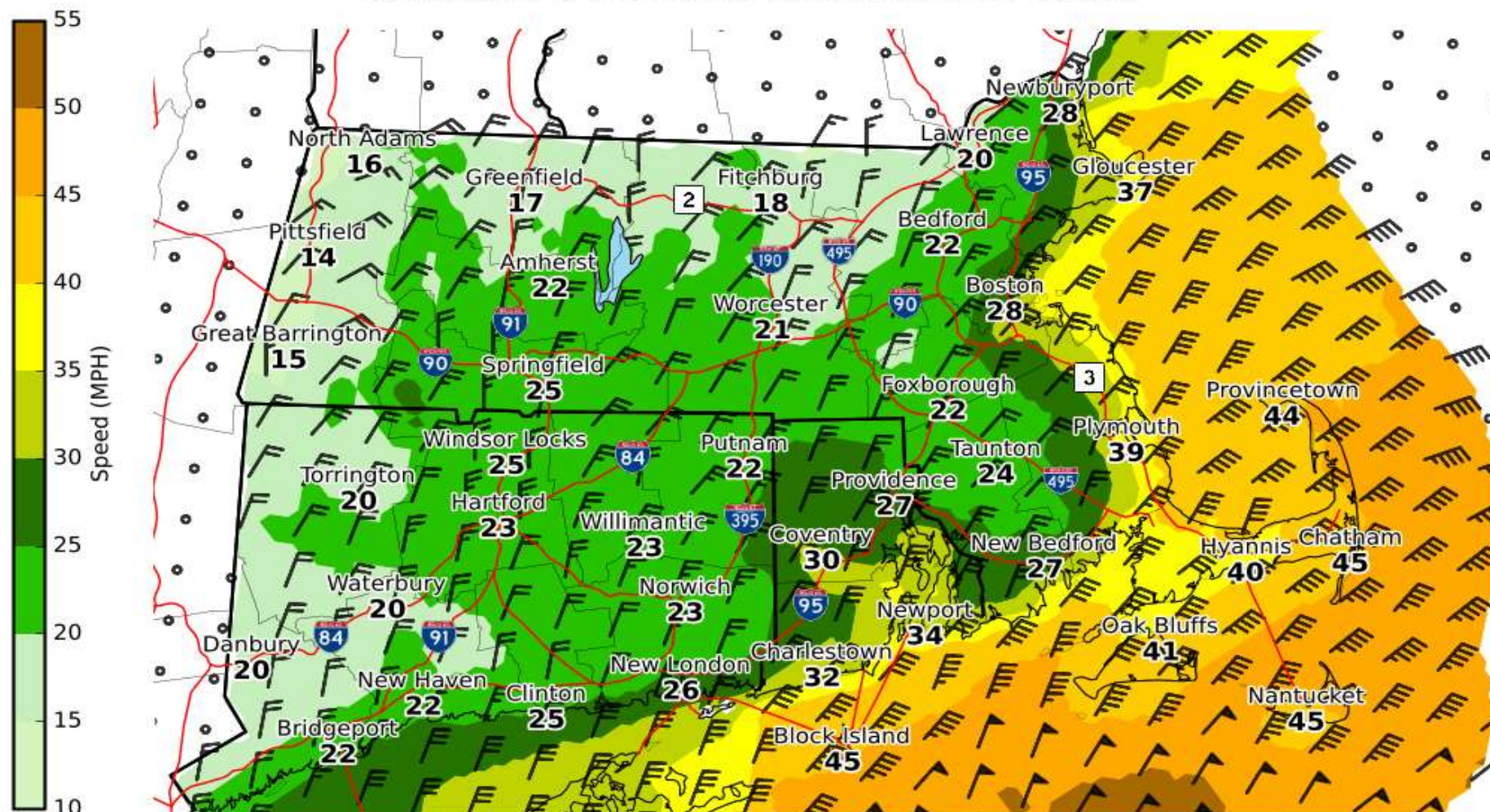
Hazard Descriptions

None	Limited	Elevated	Significant	Extreme
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Forecast Maximum Sustained Winds

Max Sustained Wind (MPH)

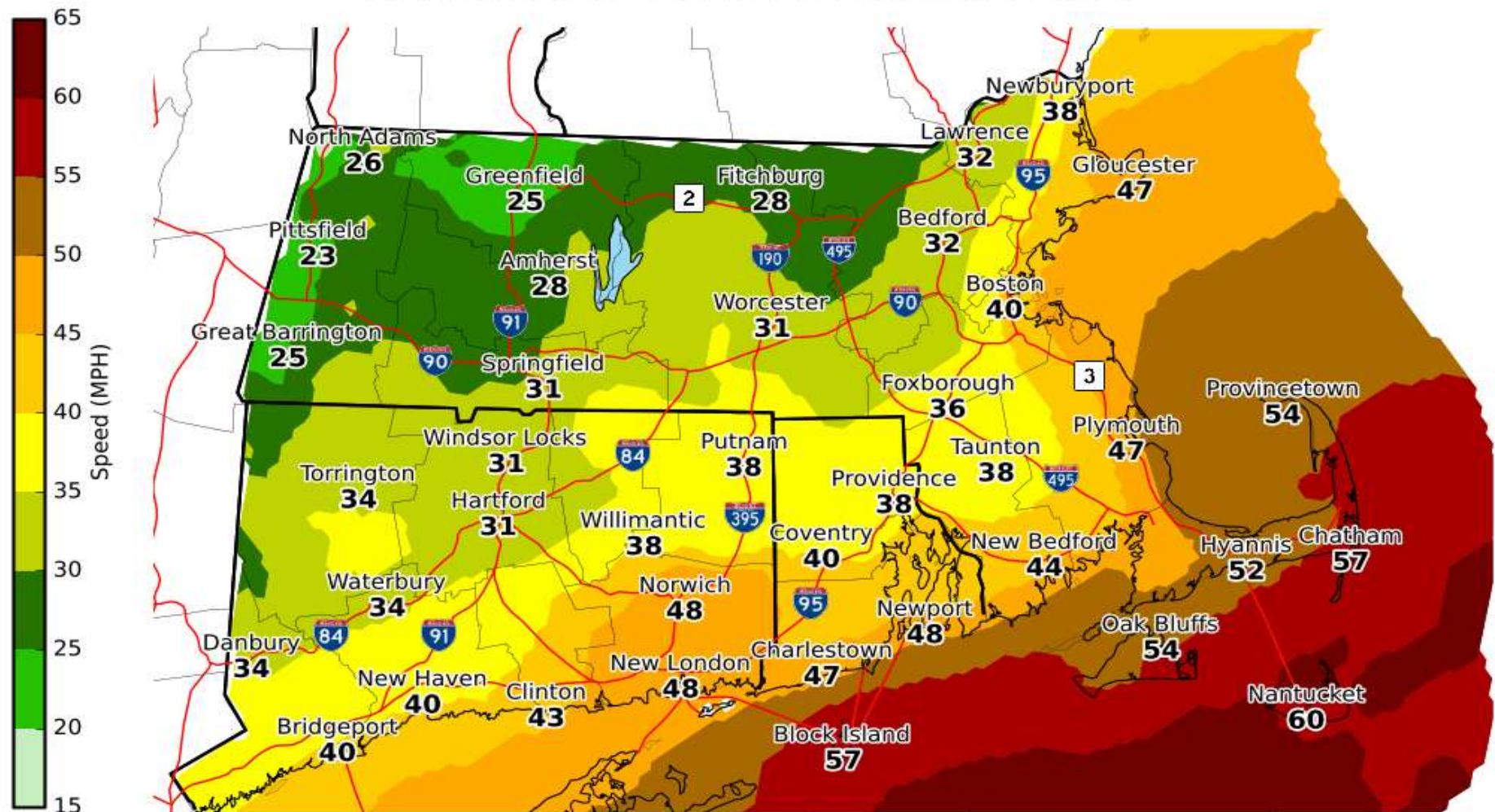
Valid: 10/09/2019 08:00 AM - 10/11/2019 08:00 PM EDT



Forecast Maximum Wind Gusts

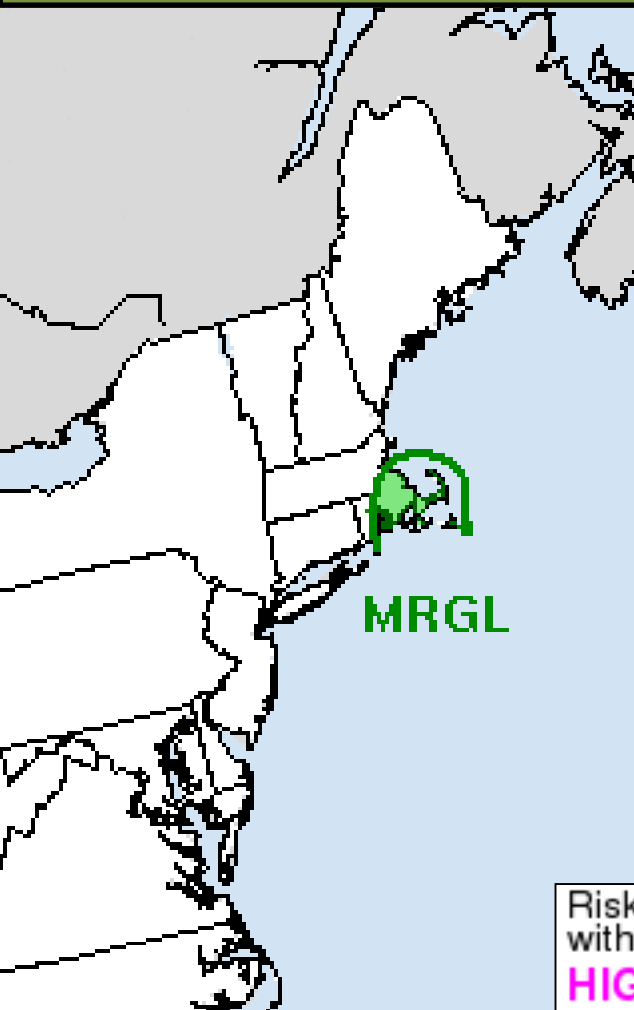
Max Wind Gusts (MPH)

Valid: 10/09/2019 08:00 AM - 10/11/2019 08:00 PM EDT

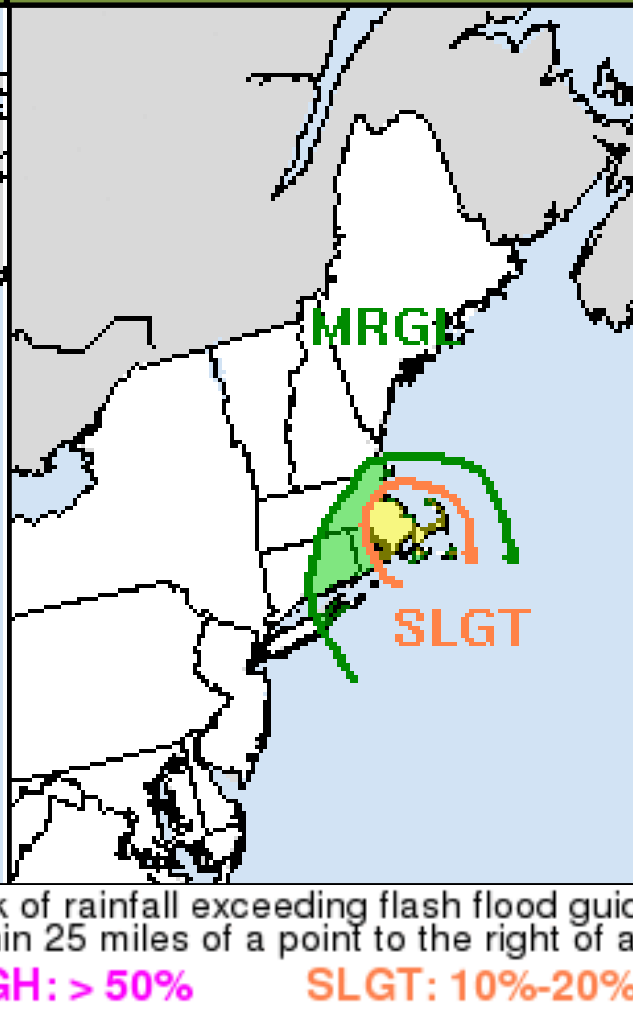


Excessive Rainfall Outlooks

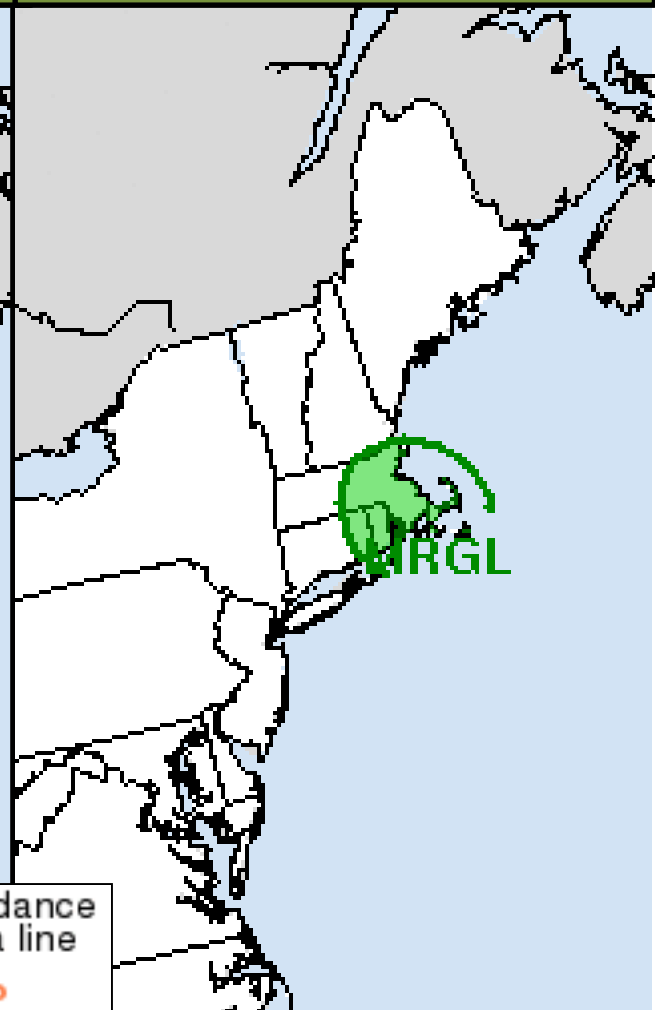
Today



Thursday



Friday



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

HIGH: > 50%

SLGT: 10%-20%

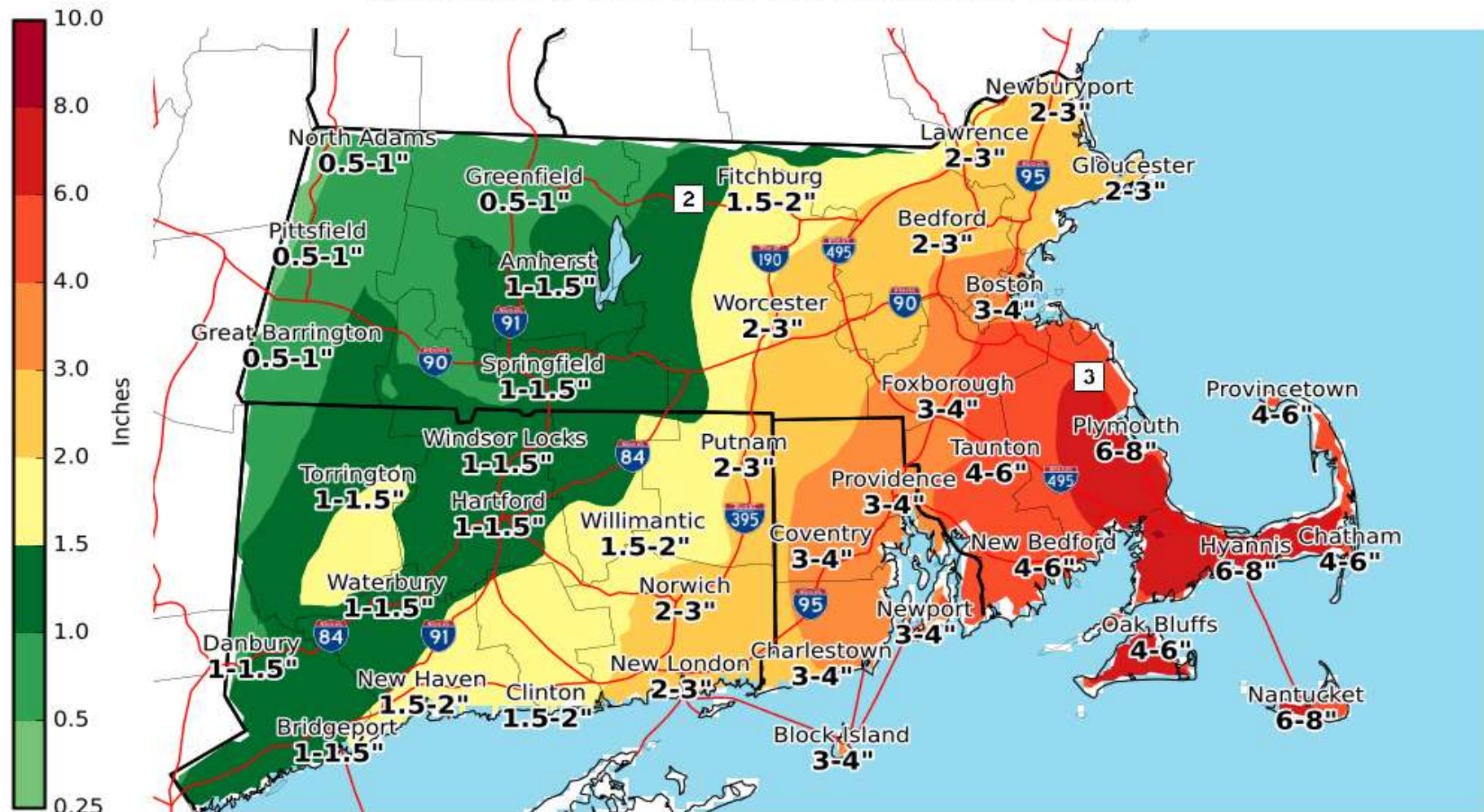
MDT: 20%-50%

MRGL: 5%-10%

Forecast Storm Total Precipitation

Expected Rainfall - Official NWS Forecast

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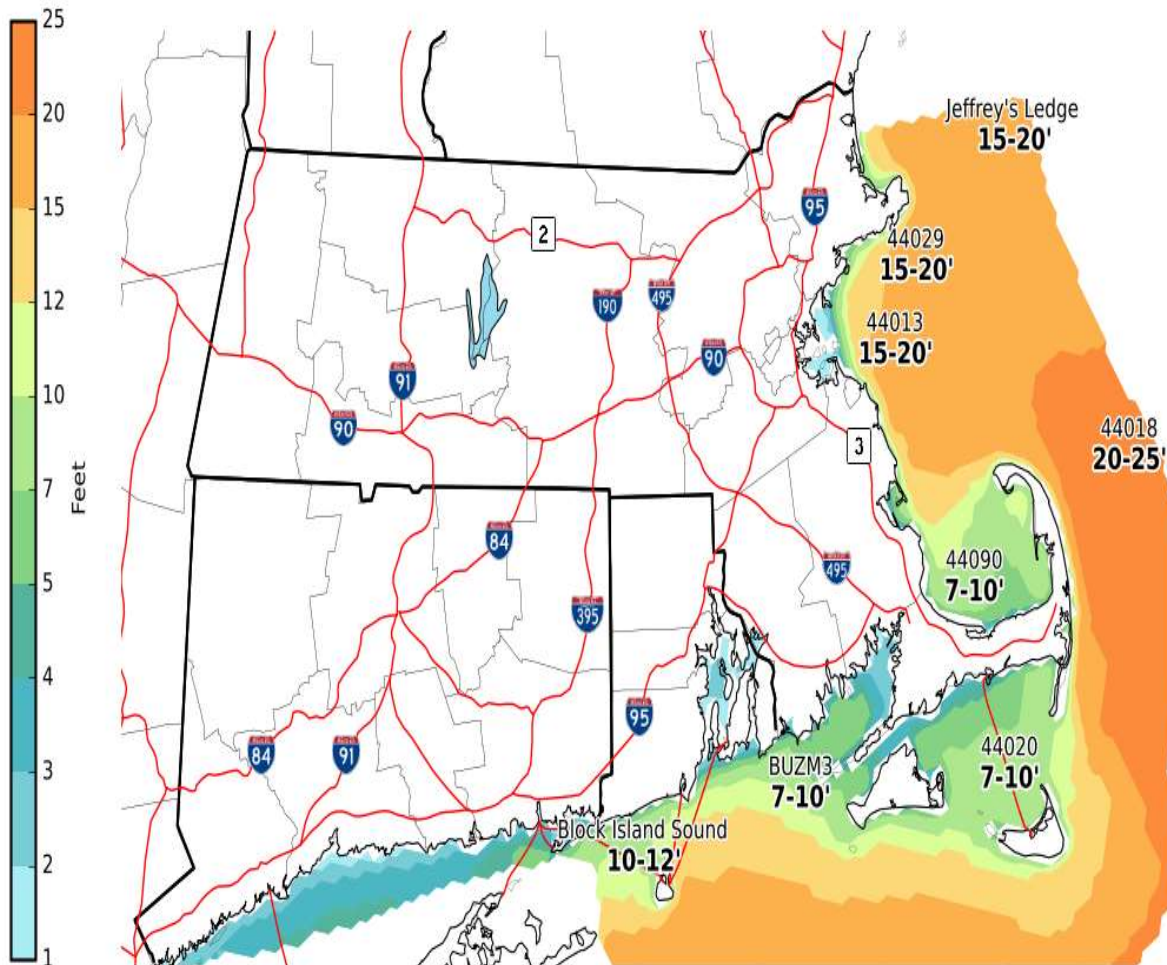




Forecast Maximum Wave Heights and Wind Gusts (in kts)

Maximum Wave Height

Valid: 10/09/2019 08:00 AM - 10/11/2019 08:00 PM EDT



National Weather Service



Threat Event Summary

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

✓ **What / Where / When:**



Strong to damaging winds

- Max sustained around 15 to 30 mph, max gusts around 30 to 50 mph, as strong as 60 mph
- Scattered tree damage, power outages
- MA & RI coastal communities, especially the Cape & Islands
- Developing today, height of winds around Thursday afternoon, diminishing Friday



Inland flooding

- Excessive rainfall risk with short duration 3 to 6 inch amounts, storm total in excess of 8-inches
- Urban, poor drainage flooding especially for coastal communities during high tide + storm surge
- Eastern MA & all of RI, especially the Cape & Islands
- Heaviest rain late tonight through Thursday night



Minor to moderate coastal flooding

- Around 2 foot surge with high tides + 10 to 20 foot waves; significant beach erosion anticipated
- Flooding near shore roads, potential closures, inundation of 1 to 2 feet possible
- Eastern MA, especially Nantucket
- Over multiple high tide cycles Thursday and Friday



Gale to storm force winds along with dangerous seas

- Dangerous sea conditions for all vessels, rescues possible
- Impacts to all waters, building Wednesday into Thursday, height around Thursday afternoon into evening, diminishing Friday into Saturday

Contact and Next Briefing Information

Next Briefing

When: 5 am, Thursday, October 10th

Method: via email



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