

# Mult-Faceted Storm Friday Morning – Friday Night




National Weather Service  
Decision Support Briefing # 1  
Thursday, December 20, 2018 3:43 AM

## What Has Changed?

- ✓ First Briefing
- ✓ Flood Watch issued for all of Southern New England. High Wind Watch For Cape Cod and Islands.



## Main Points

Hazard	Impacts	Location	Timing
<b>Inland Flooding</b> 	<p>Isolated road closures; potential for homes and businesses to flood; possible water rescues. Some minor river flooding possible.</p>	<p>All of Southern New England</p>	<p>Early Friday Morning Into Friday Night</p>
<b>Strong-Damaging Winds</b> 	<p>Loose objects will become airborne; scattered tree damage, isolated power outages, possible structure damage</p>	<p>Primarily eastern Massachusetts and Rhode Island. Strongest Winds Cape Cod/Islands.</p>	<p>Mid Friday Morning Into Friday Evening.</p>
<b>Minor Coastal Flooding</b> 	<p>Scattered areas of beach erosion and coastal flooding</p>	<p>Primarily the south coast of Rhode Island and Massachusetts</p>	<p>Especially the Friday late afternoon/evening tide.</p>

# Summary of Greatest Impacts



## Inland Flooding:

All of Southern New England

None

Limited

Elevated

Significant

Extreme



## Strong-Damaging Winds:

Primarily eastern MA and RI

None

Limited

Elevated

Significant

Extreme



## Coastal Flooding:

South coasts of RI and MA

None

Limited

Elevated

Significant

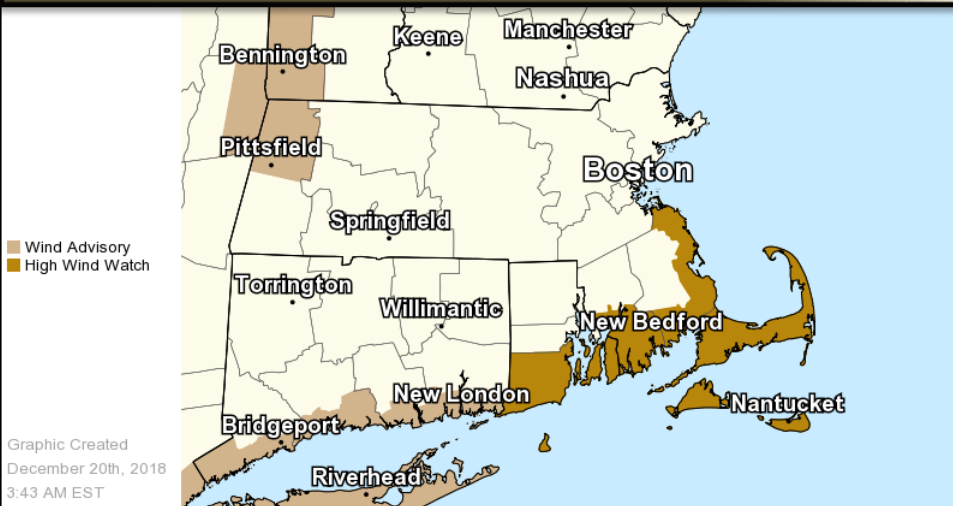
Extreme



## Marine / Coastal Hazards



## Wind Related Hazards

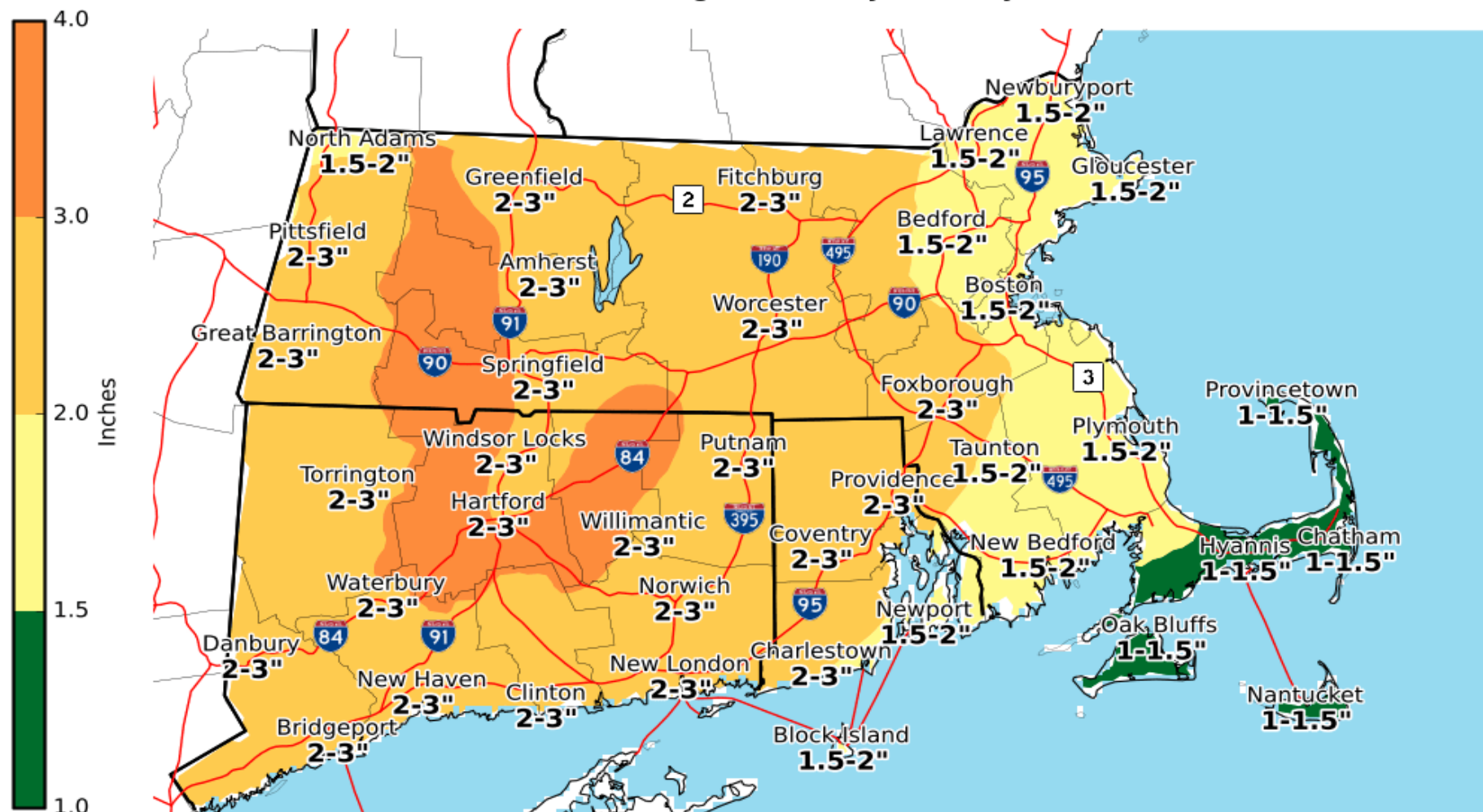


## Flooding Hazards



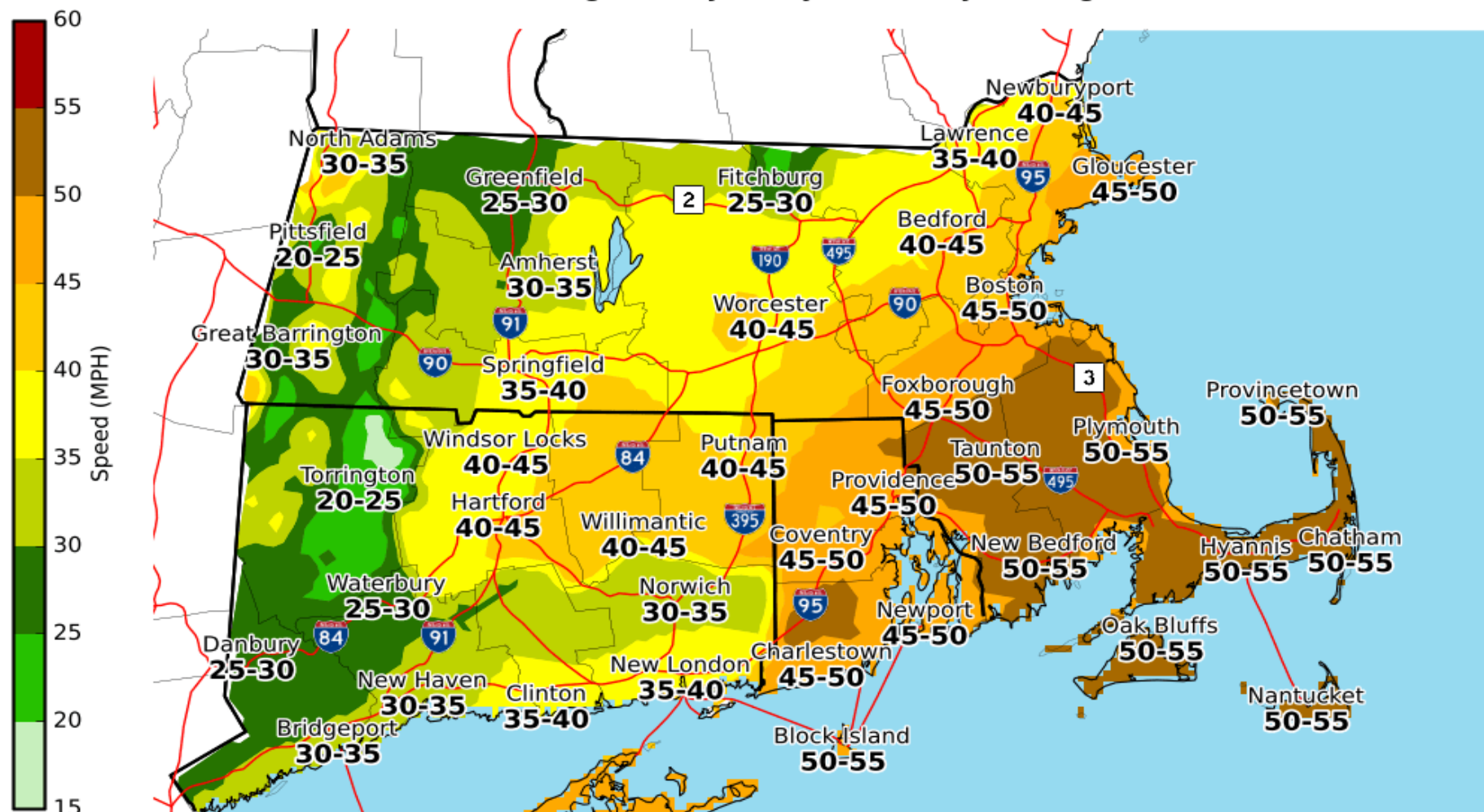
## Forecast Storm Total Precipitation

### Expected Rainfall - Official NWS Forecast Valid: Late Tonight Into Early Saturday

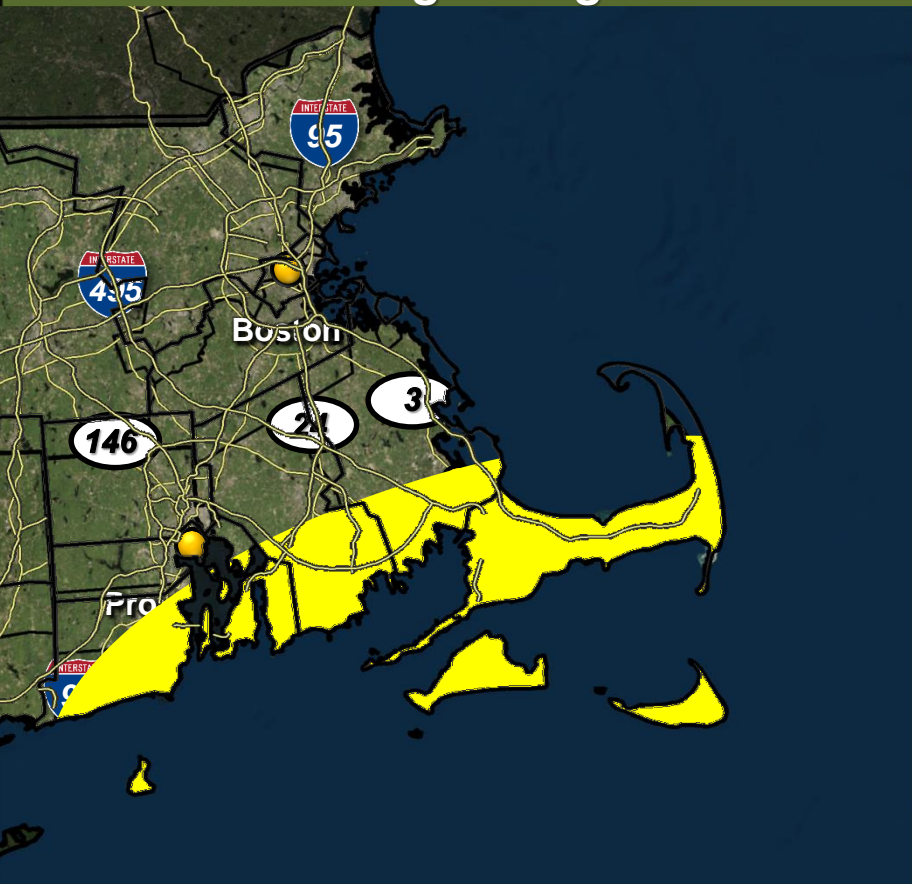


## Forecast Maximum Wind Gusts

**Max Wind Gusts (MPH)**  
**Valid: Peaking Mid Day Friday Into Friday Evening**



## Coastal Flooding – Surge / Inundation



### Minor Coastal Flooding

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

### Timing

- Mainly around the late Friday high tide cycle.

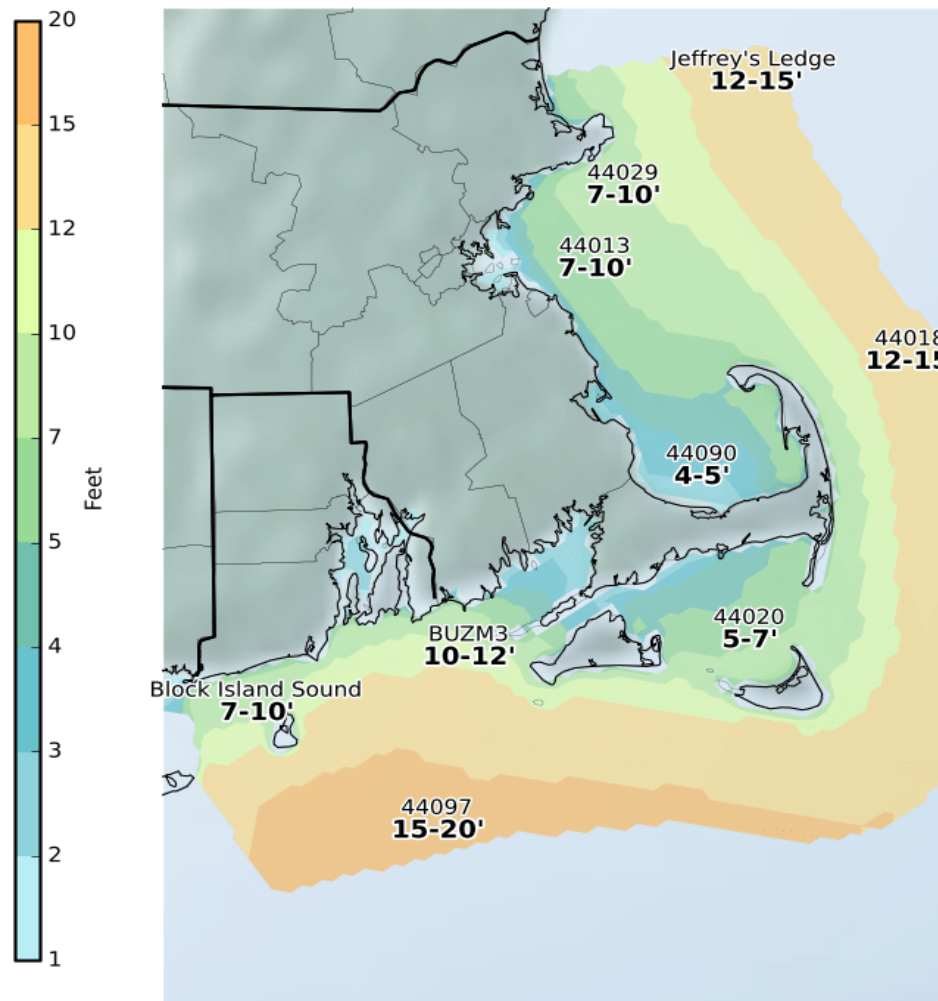
None
Minor
Moderate
Major
Extreme

	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

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

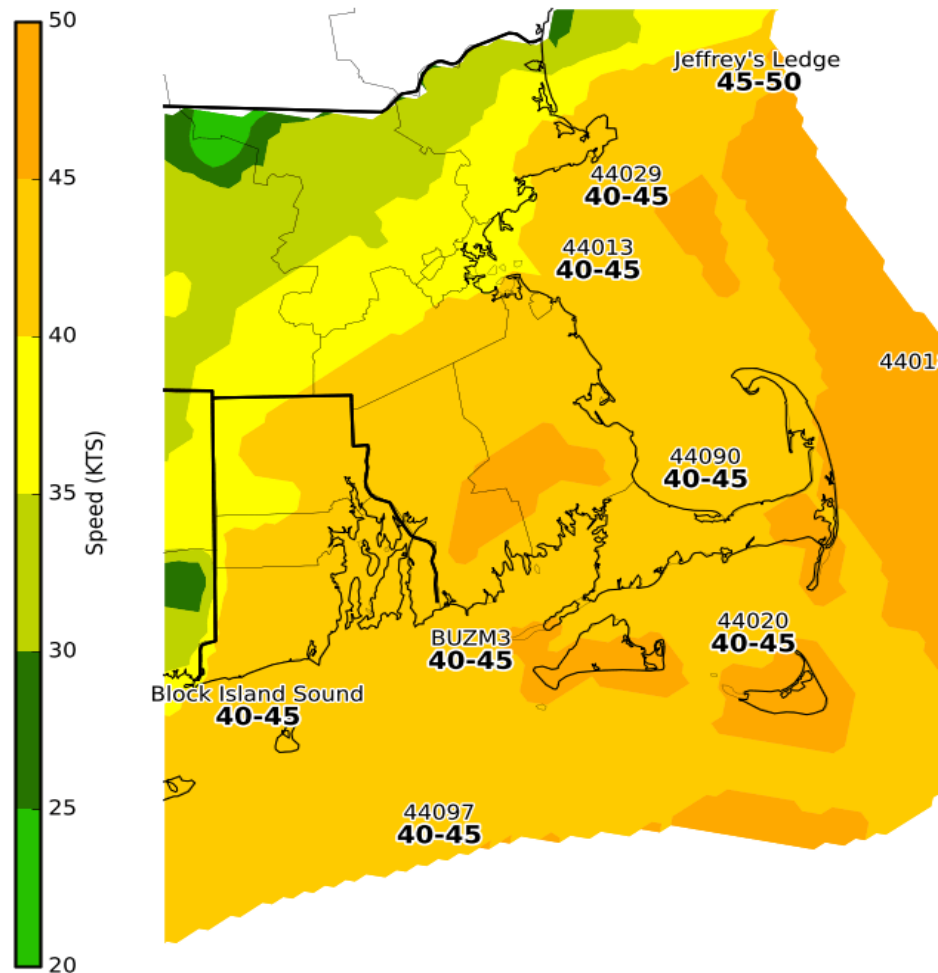
### Maximum Wave Height

Valid: Peaking Late Friday and Friday Night



### Max Wind Gusts (KTS)

Valid: Peaking Mid Day Friday Into Friday Evening



# Threat Event Summary

✓ **Confidence**: Generally High for that there will be impacts. Lower confidence on timing and exact locations of each impact.

✓ **What:**



Some stream and river flooding possible, which may linger into the weekend. Street and poor drainage flooding likely.



Strong winds gusting 50-60 mph along the southeast coast. 40-50 mph inland.



Some minor coastal flooding with the late day high tide Friday on the south coast.

✓ **Where:** All of Southern New England will experience some impact.

✓ **When:** Early Friday morning into Friday evening. Impacts to both commutes.

## Contact and Next Briefing Information

### Next Briefing

**When:** 5 PM, Thursday, December 20<sup>th</sup>

**Method:** via email



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**Disclaimer:** The information contained within this briefing is time-sensitive,  
do not use after 5 PM, Thursday, December 20, 2018