



# TROPICAL STORM HENRI BRIEFING

5:00 AM ET  
Saturday, August 21, 2021

What has changed: Tropical Storm Warning expanded to inland CT. Flood Watch in effect for western/central MA, RI, and CT. Hurricane Watch discontinued from Westport, MA to Sagamore Beach.

Next Briefing: Saturday, August 21 by 6 PM EDT

*Disclaimer: The information contained within is time-sensitive. Do not use after 6:00 am EDT Saturday.*



# Situation Overview

Tropical Storm Henri

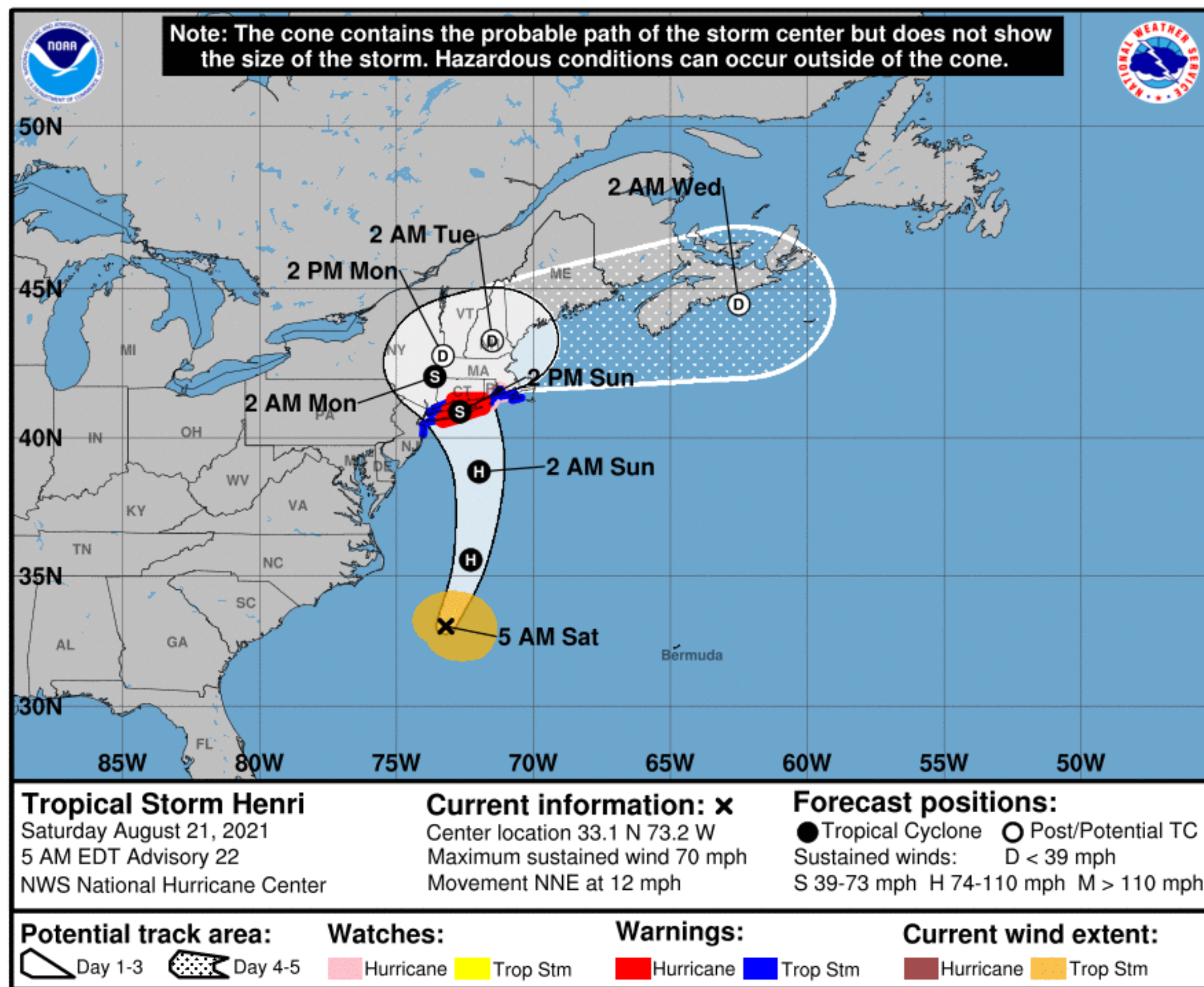
- Henri will make landfall near eastern Long Island
- Storm timing will be Sunday into early Monday, with heavy rain possibly lingering into Monday as Henri weakens rapidly over land.
- Threats include:
  - Inland flooding rains – CT into western/central MA highest risk
  - Storm surge flooding and beach erosion along the south coast
  - Damaging winds east of the track – RI westward





# Situation Overview

## Tropical Storm Henri



- Hurricane Warnings in effect for coastal CT
- Tropical Storm Warning in effect for inland CT, coastal RI, and the south coast of MA to Martha's Vineyard
- Hurricane Watch in effect for RI coast
- Storm Surge Warning in effect for all of RI and southern MA coastline as far north as Chatham
- Cone represents historical error
  - Storm stays within cone 2/3 of time
  - Storm can track outside 1/3 of time

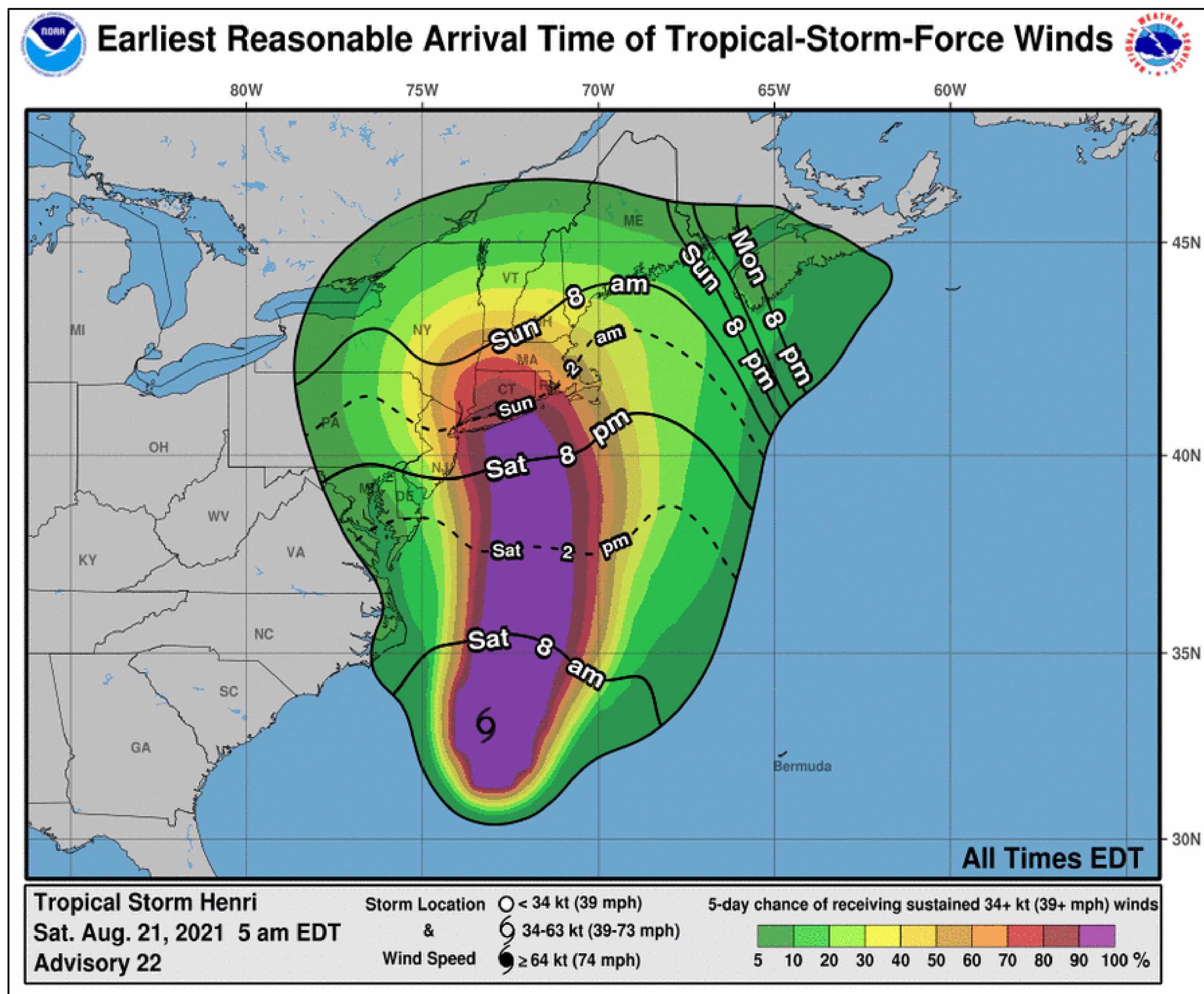
**NOTE:** Do not focus on the exact track.

Impacts can occur well outside the area enclosed by the cone.



# Earliest Reasonable Time of Arrival

Tropical Storm Henri



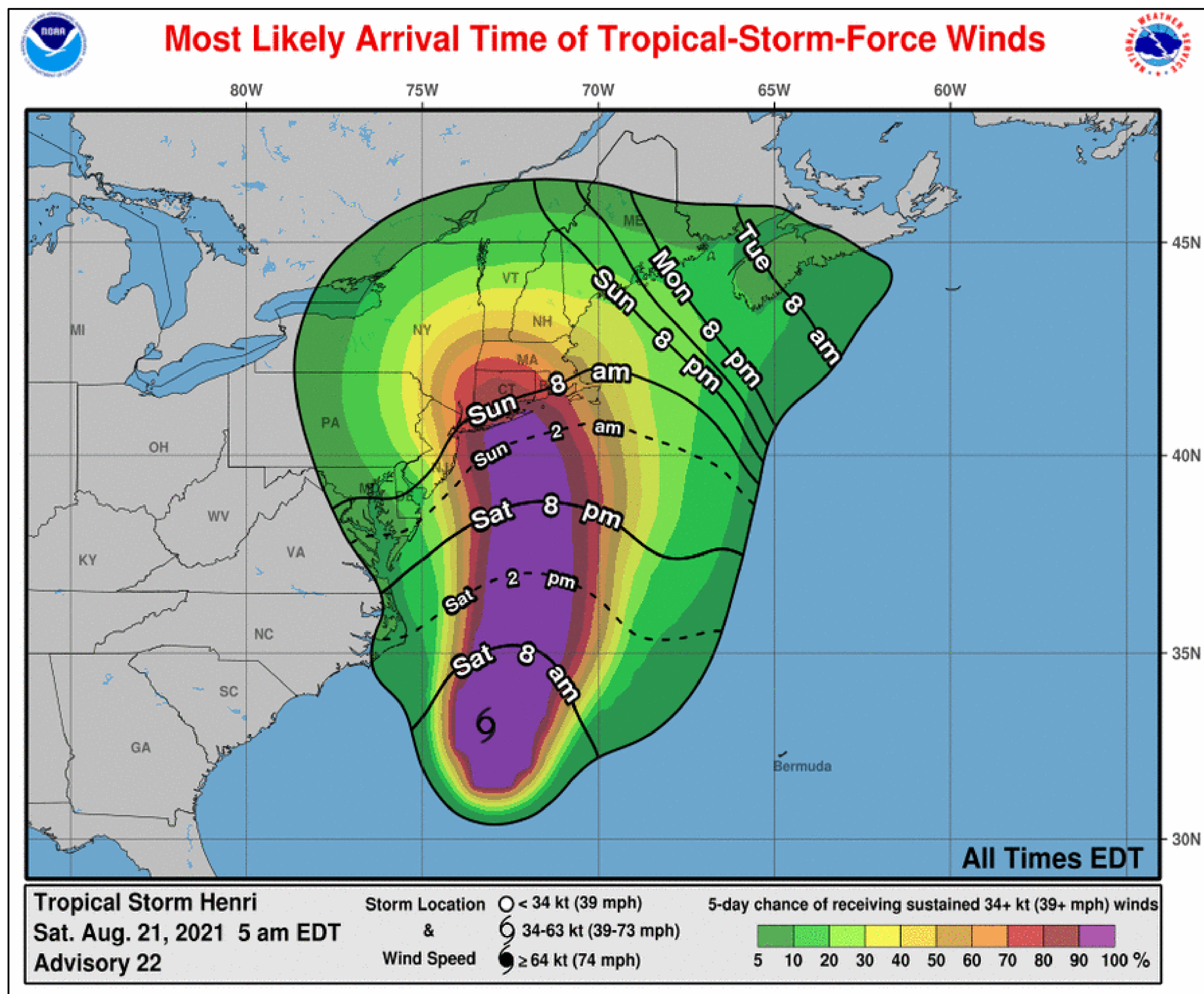
- The earliest reasonable time of arrival of Tropical Storm Force Winds for southern New England is Saturday evening





# Most Likely Time of Arrival

Tropical Storm Henri



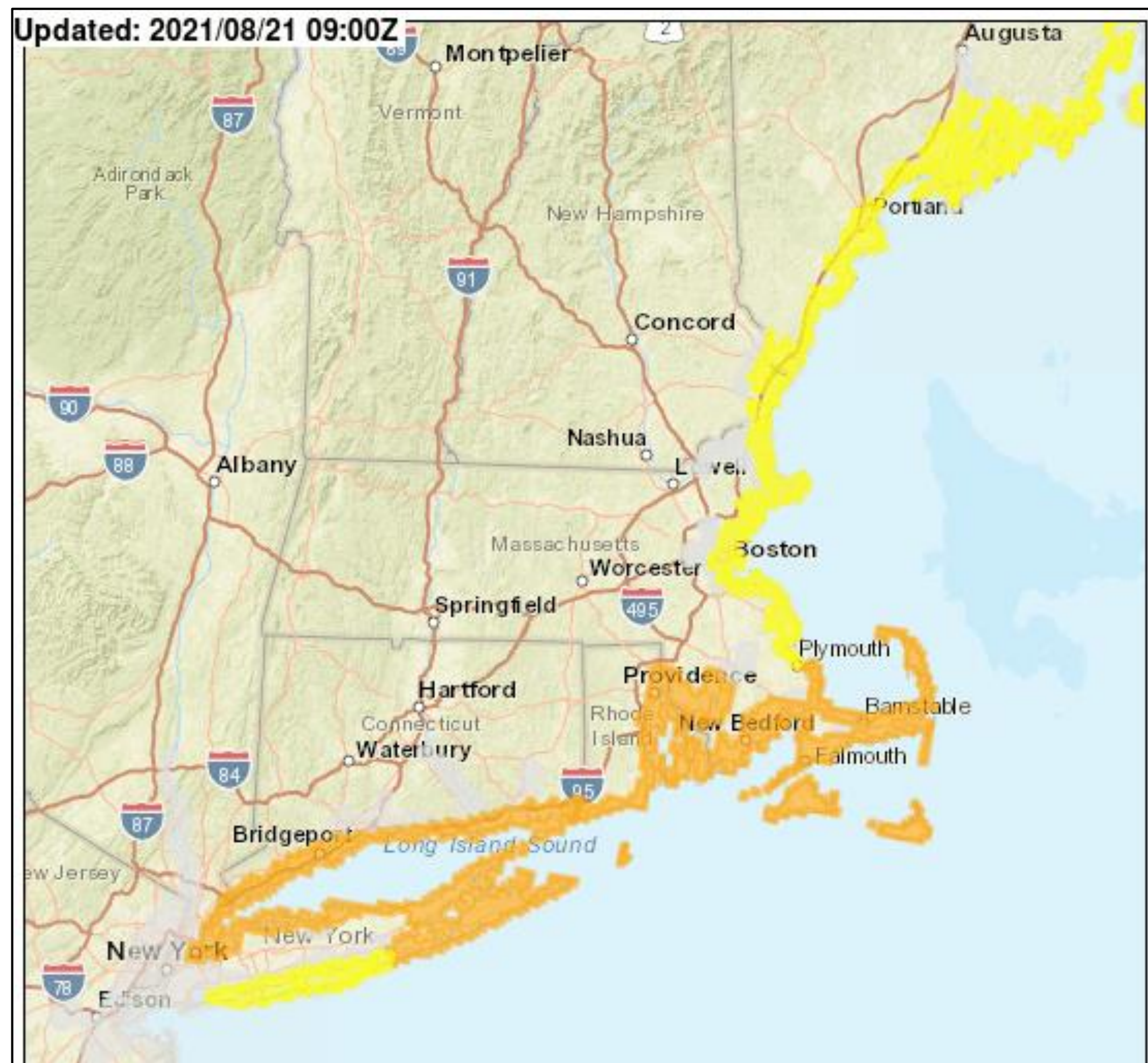
- The most likely time of arrival of Tropical Storm Force Winds is Sunday morning





# Potential Storm Surge Impacts

Tropical Storm Henri



- Storm surge flooding likely with inundation greater than 3 ft (3-5 ft) above ground level

## Storm Surge Threat

Potential for storm surge flooding greater than 9 ft above ground

Potential for storm surge flooding greater than 6 ft above ground

Potential for storm surge flooding greater than 3 ft above ground

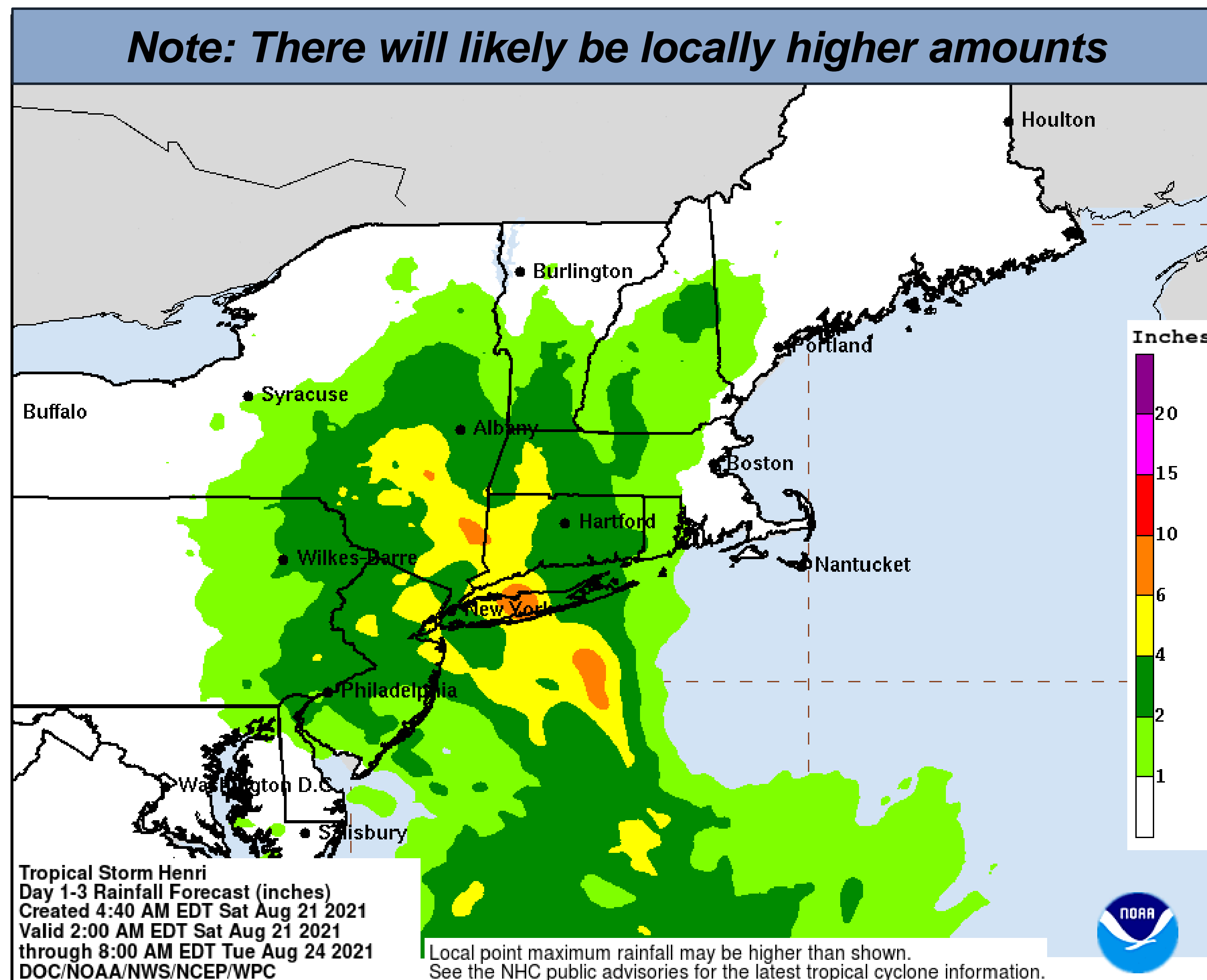
Potential for storm surge flooding greater than 1 ft above ground

Little to no storm surge flooding



# Expected Storm Total Rainfall

Tropical Storm Henri



- Storm Total rainfall forecast valid Sunday through Monday
- Heaviest rainfall on Sunday

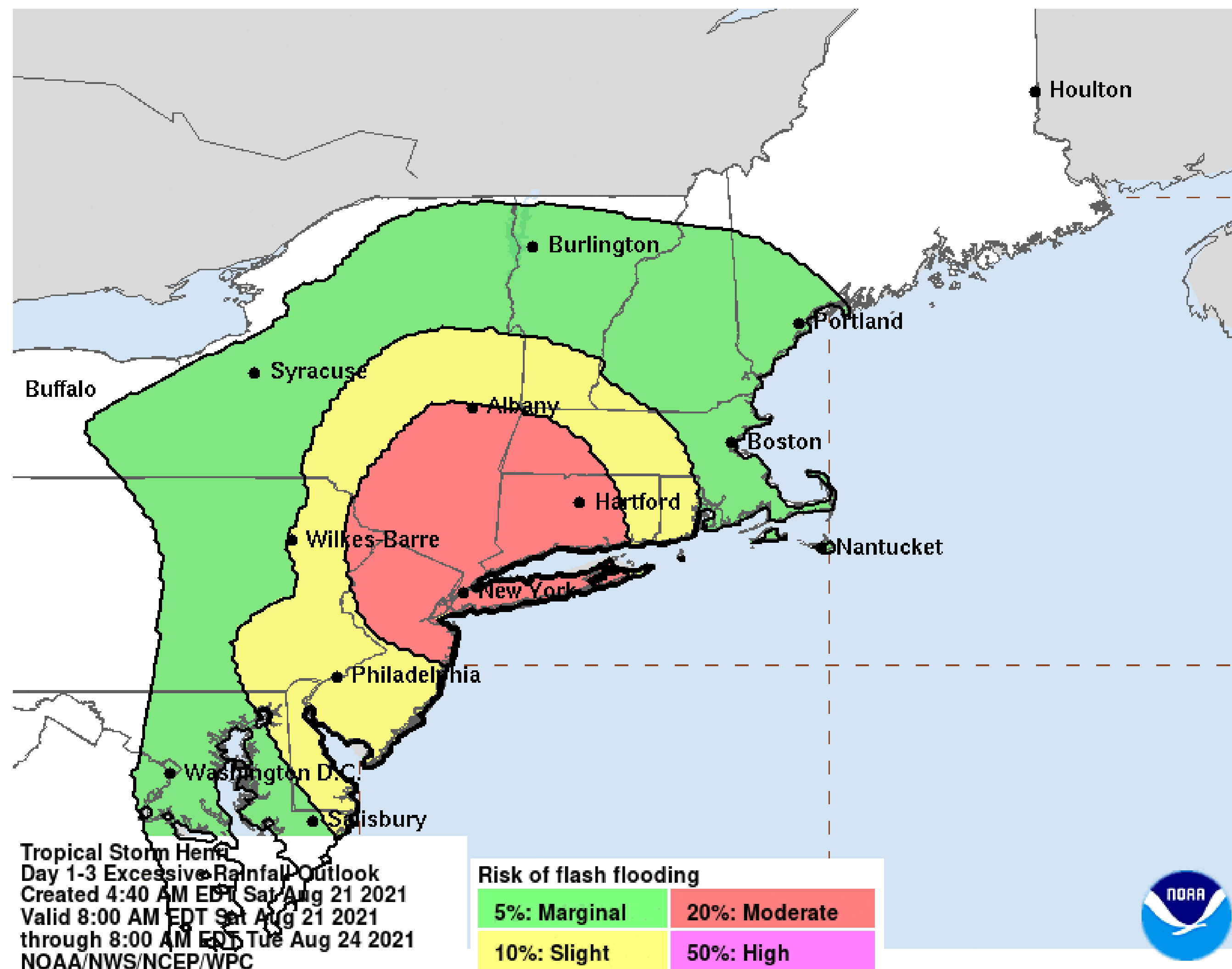




# Excessive Rainfall Outlook

Tropical Storm Henri

Greatest Flash Flood Risk Over the Next 3 Days



- Areas outlined in red have the greatest potential for flash flooding Sunday/Sunday night





# Key Take-Aways

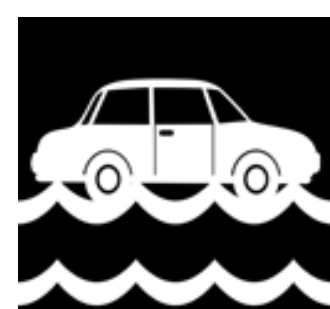
## Tropical Storm Henri

Confidence is high that the event will occur Sunday into Monday

Confidence is moderate regarding impacts



Damaging winds possible, especially east of Henri's track and low risk of an isolated tornado



Surge flooding possible, especially along the south coast of RI




Rainfall flooding likely; more confidence on the heaviest rain in CT and western MA





Dangerous marine conditions – tropical storm or even hurricane-force winds and high seas.




# Next Briefing: Saturday, August 21 by 6 PM EDT Method: Email


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