



HURRICANE HENRI BRIEFING

11:15 AM EDT
Saturday, August 21, 2021

What has changed: Upgraded to Hurricane Warning for RI coast;
Tropical Storm Warning for inland RI, Cape Cod, & Nantucket

Next Briefing: Saturday, August 21 by 6 PM EDT

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



Situation Overview

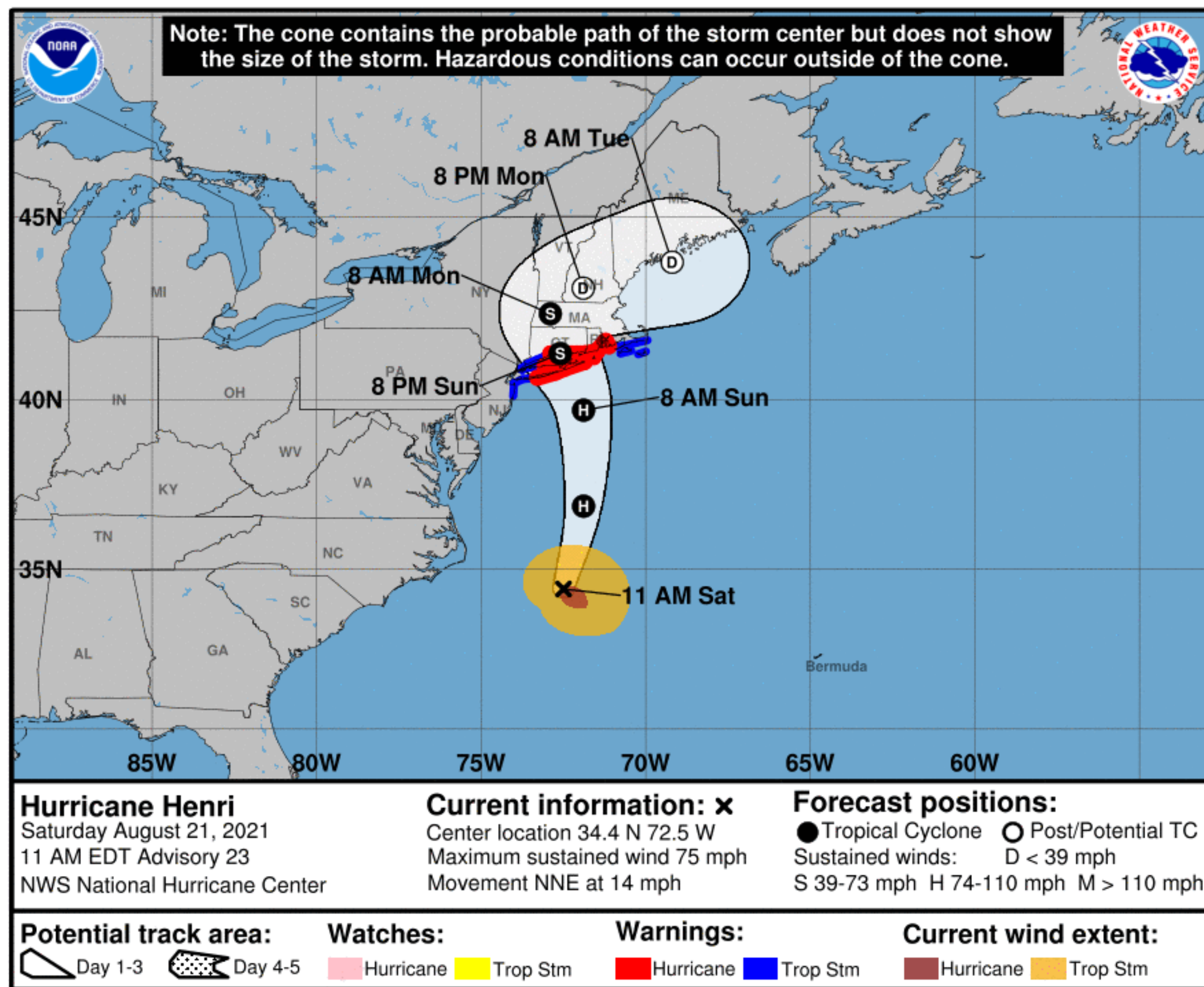
Hurricane Henri

- Henri is now a hurricane. Wind field has been expanding on east side of storm.
- Track has shifted slightly eastward, with landfall expected between eastern Long Island and near the CT/RI border Sunday afternoon
- Storm impacts from late tonight 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 highest risk



Situation Overview

Hurricane Henri



- Hurricane Warnings in effect for coastal RI (including Block Island) and portions of southern CT
- Tropical Storm Warning in effect for inland CT, RI, and the south coast of MA including Cape Cod, Martha's Vineyard, and Nantucket
- Storm Surge Warning in effect for all of CT, RI, and southern MA coastlines 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

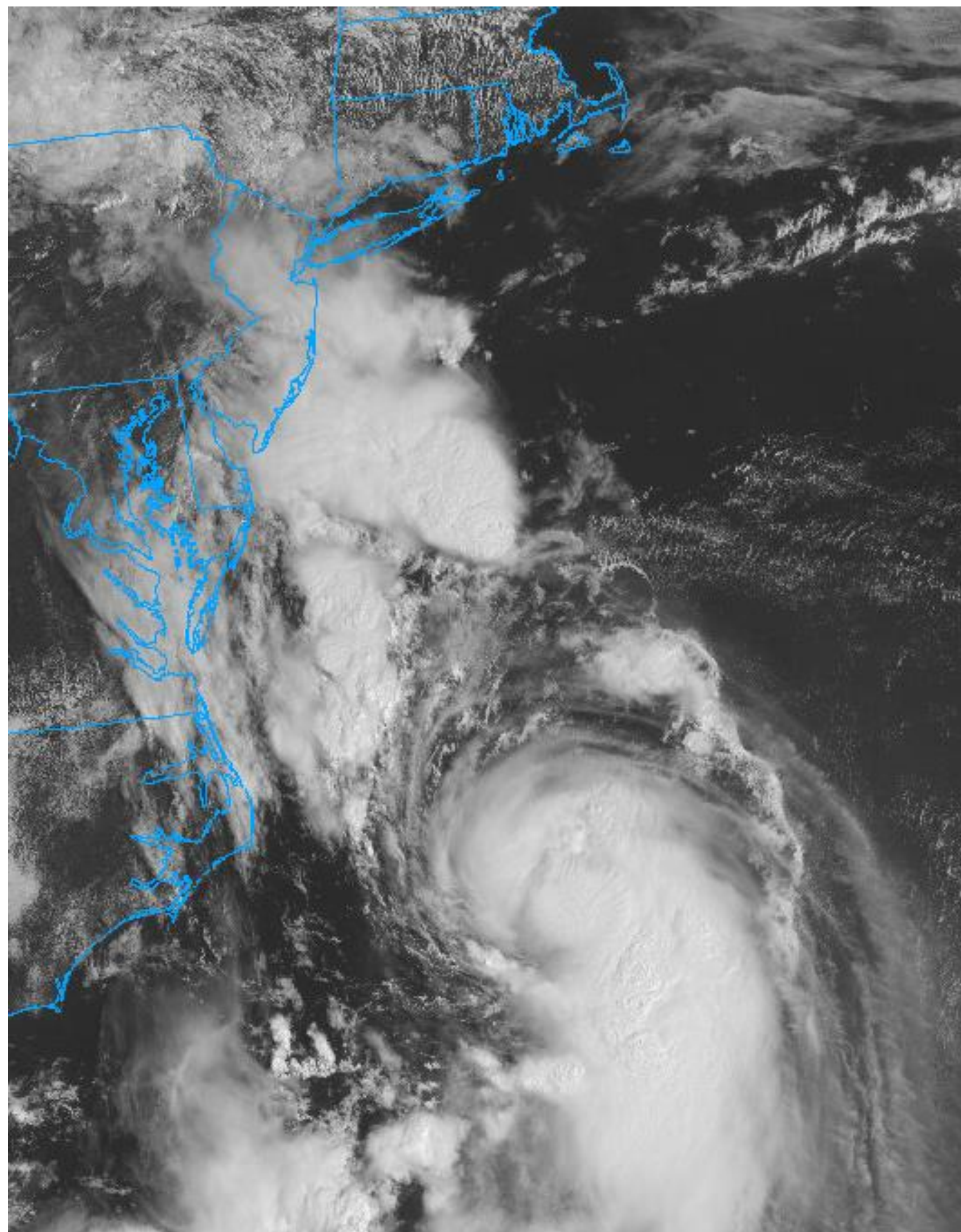
NOTE: Do not focus on the exact track.

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



Current Satellite View

Hurricane Henri

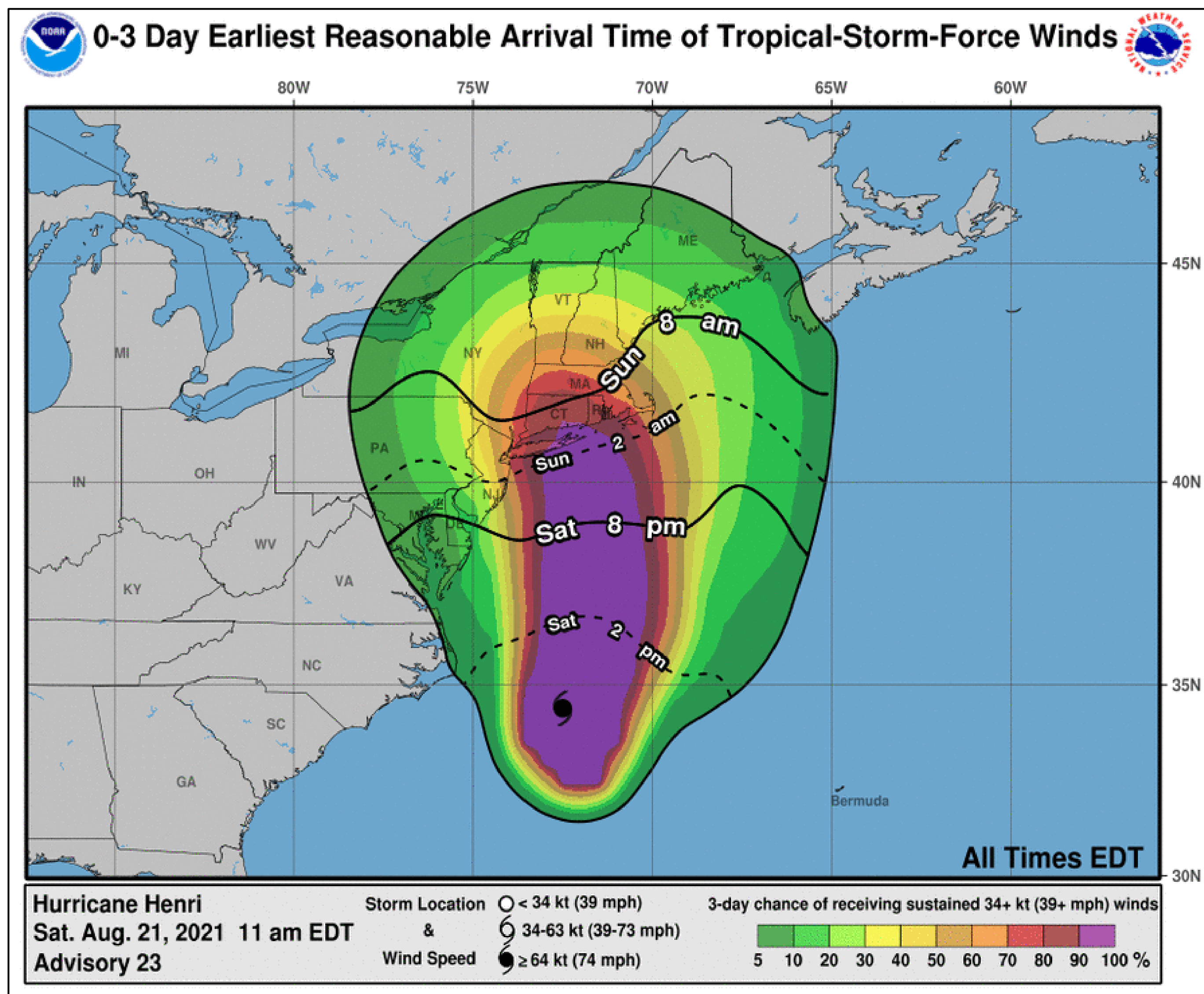


- Hurricane Henri off the North Carolina coast.
- Showers and thunderstorm clusters off the mid Atlantic coast well out ahead of Henri



Earliest Reasonable Time of Arrival

Hurricane Henri

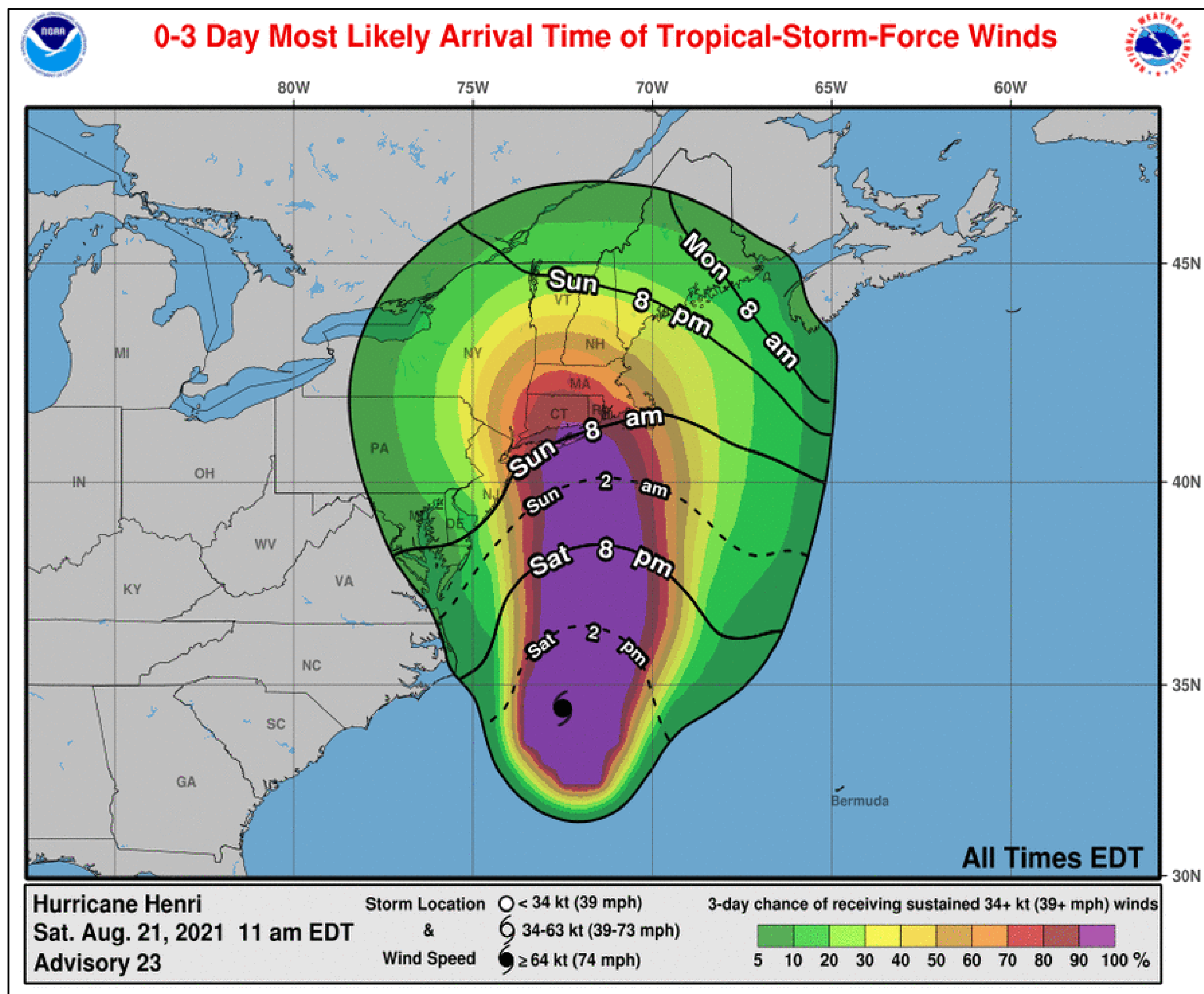


- The earliest reasonable time of arrival of tropical storm force winds for southern New England is late tonight.



Most Likely Time of Arrival

Hurricane Henri

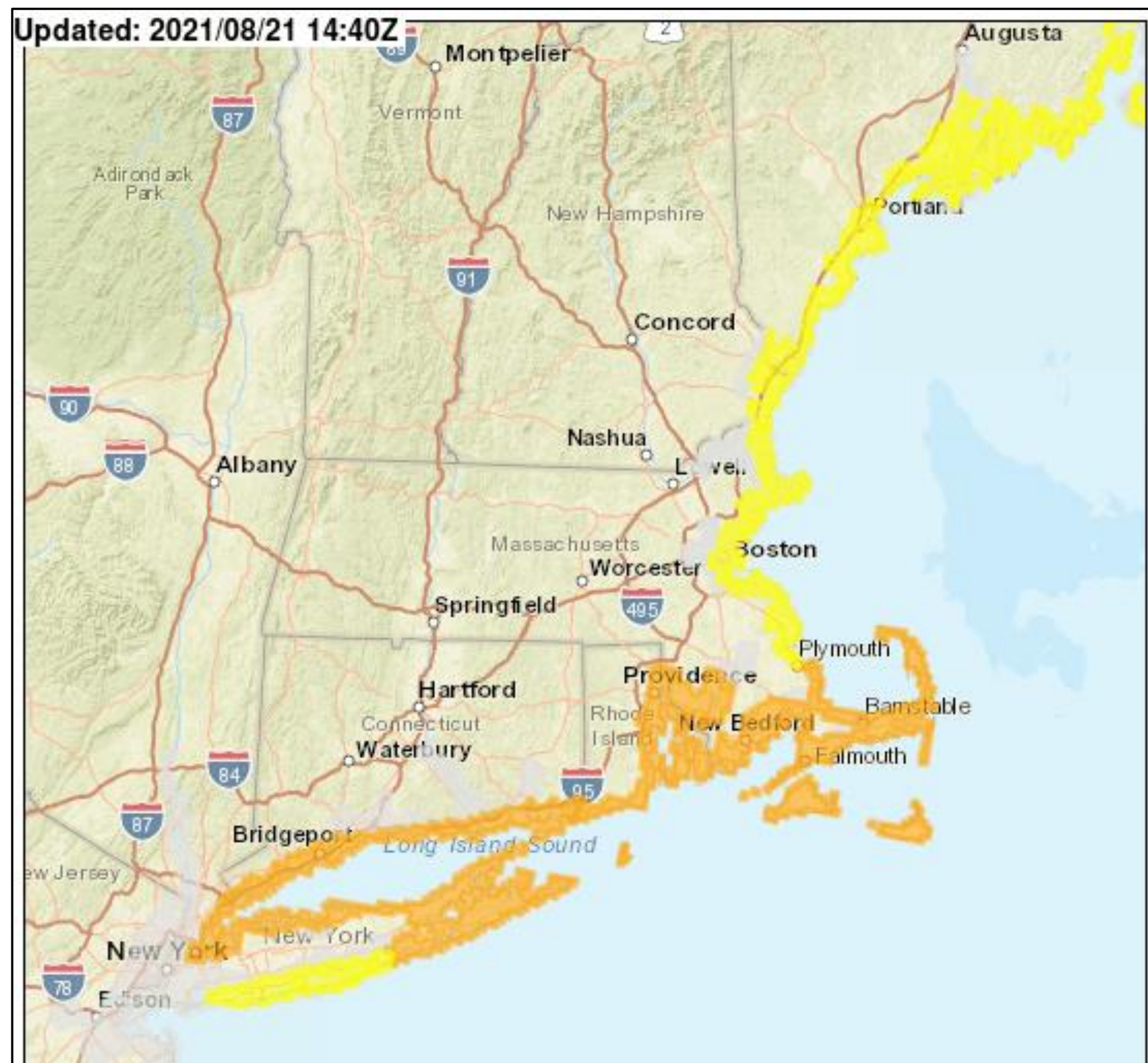


- The most likely time of arrival of tropical storm force winds is Sunday morning.



Potential Storm Surge Impacts

Hurricane Henri



- Storm surge flooding likely with inundation greater than 3 ft (3-5 ft) above ground level along the south coast. The east coast of MA north of Plymouth could experience 1 to 3 feet of inundation.
- Narragansett Bay is greatest concern.

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

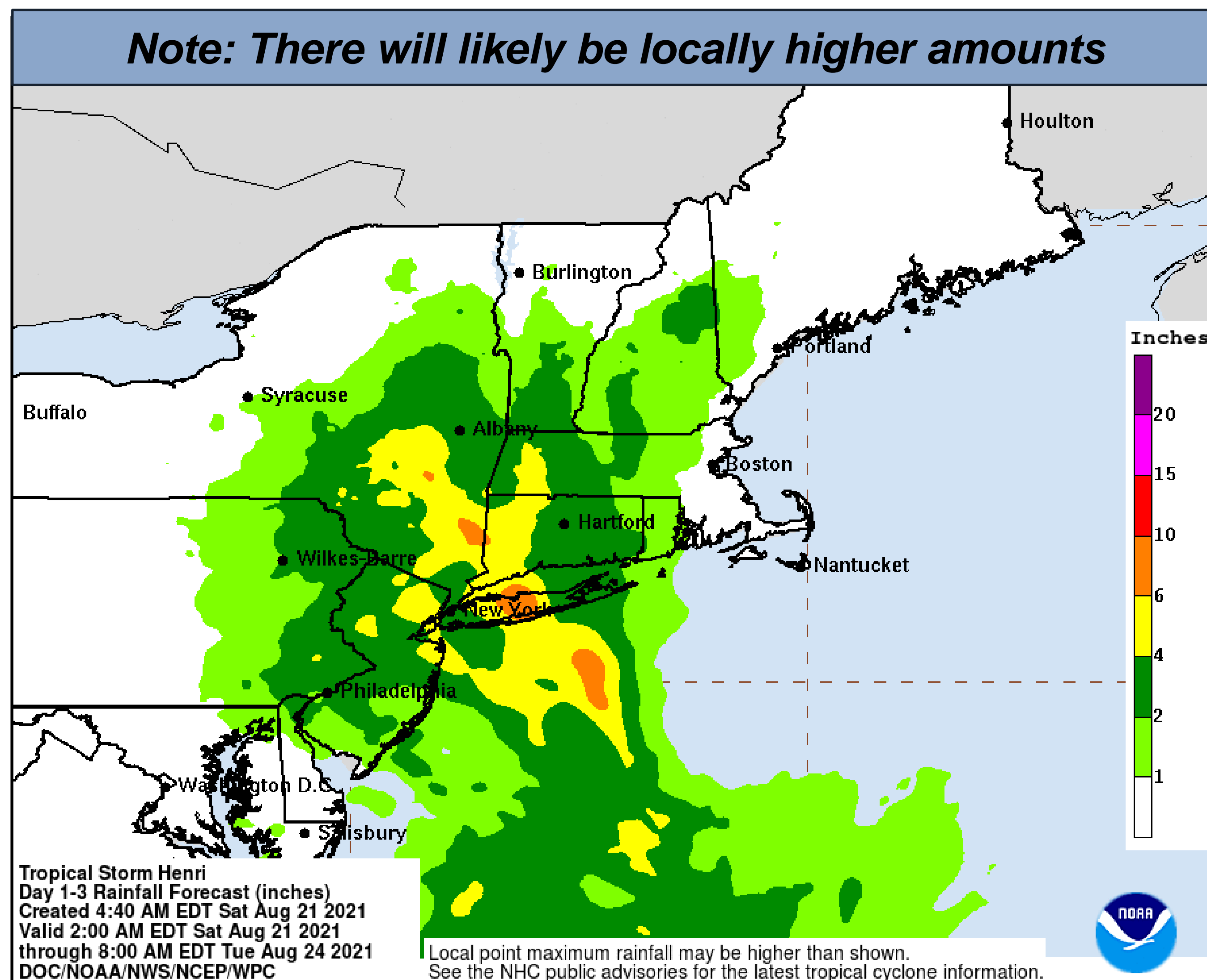
Potential for storm surge flooding greater than 1 ft above ground

Little to no storm surge flooding



Expected Storm Total Rainfall

Hurricane Henri

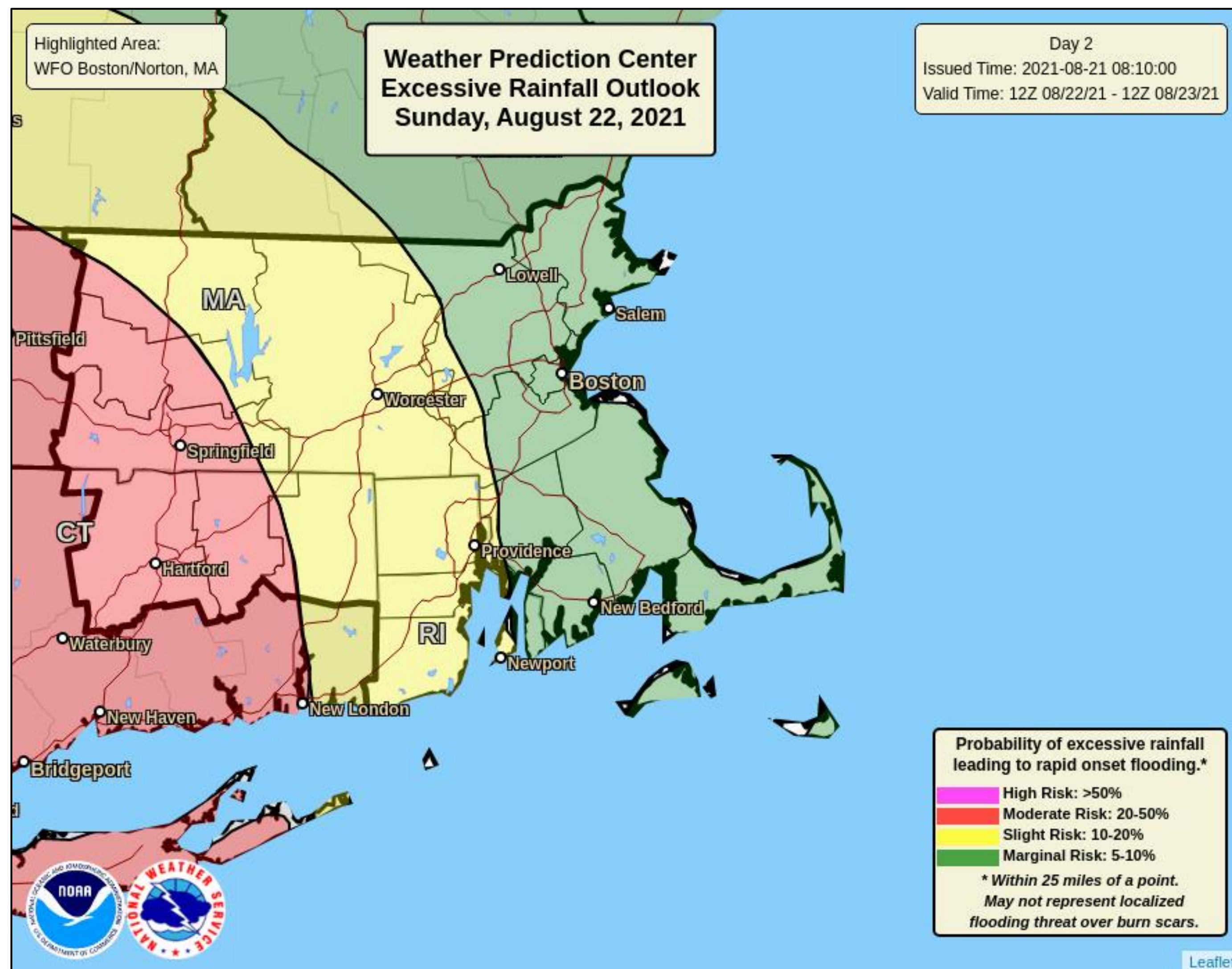


- This is the storm total rainfall forecast from Sunday through Monday. However, axis of 6-10 inches may shift eastward if trends continue.
- Greatest flooding risk is in CT and western/central MA.
- Flood Watches remain posted for CT, RI, and western/central MA.



Excessive Rainfall Outlook

Hurricane Henri

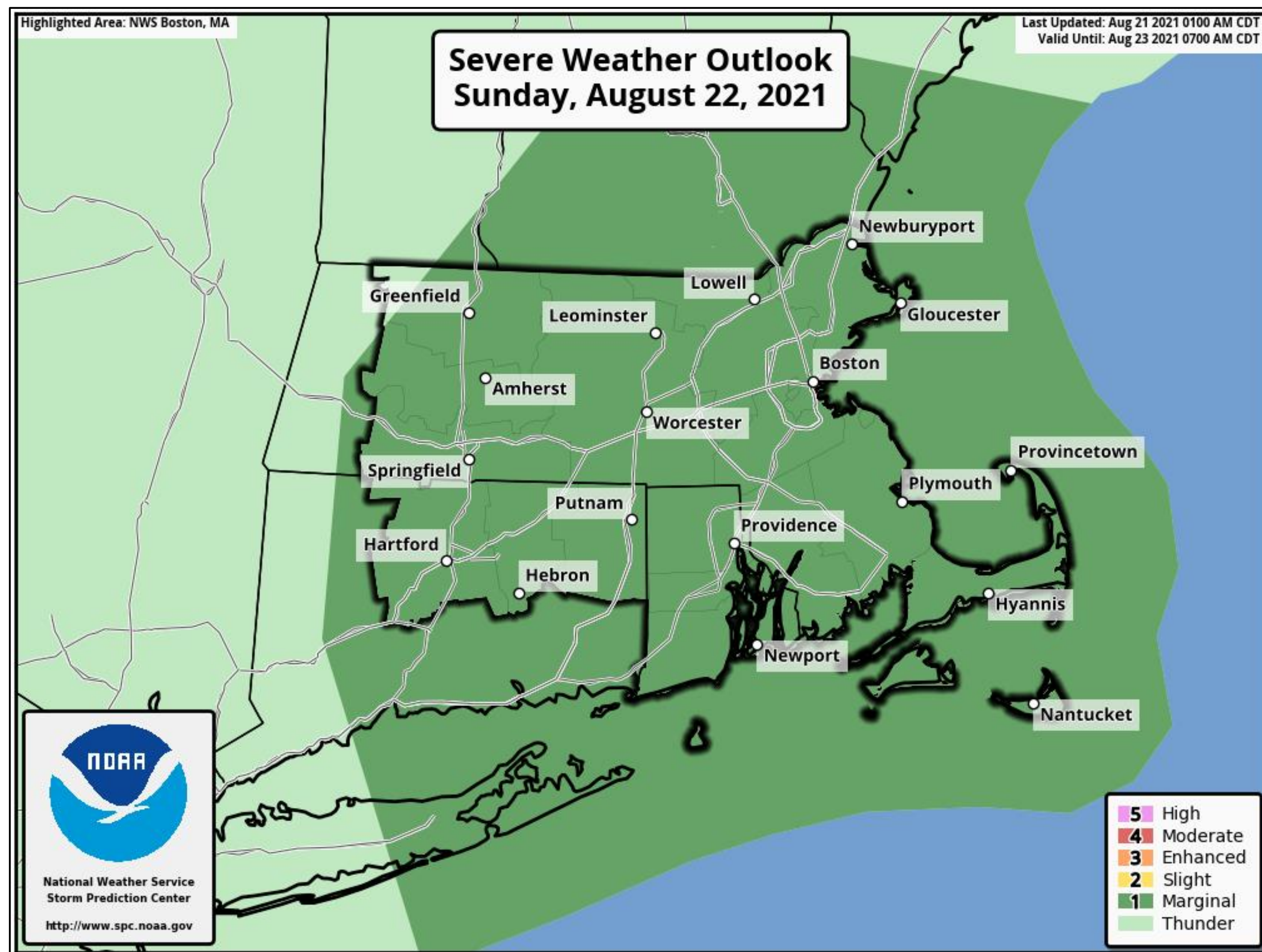


- Areas outlined in red have the greatest potential for flooding/flash flooding on Sunday



Tornado Potential

Hurricane Henri



- There is a low risk of an isolated tornado, mainly Sunday morning and afternoon.



Key Take-Aways

Hurricane Henri

Confidence is high that the event will occur Sunday into Monday
Confidence is moderate to high regarding impacts.



Damaging winds possible, especially east of Henri's track. Greatest risk is in RI. There is a low risk of an isolated tornado across the region Sunday.



Surge flooding likely, especially in Narragansett Bay and the south coast of RI.




Rainfall flooding expected. Greatest risk is in CT and western and central MA. River flooding may continue into early next week.





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





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


**Web:** <http://weather.gov/boston>

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Hurricane Henri

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