



# Hot and Humid & Thunderstorms Late Week

August 2, 2024  
6:06 AM

Heat Advisory for much of the local region Today into Saturday

## Key Messages

- Hot and humid conditions will result in maximum heat index values in the mid 90s to near 100 today and Saturday for much of the region.
- Showers and thunderstorms have potential to produce heavy rain and strong wind gusts through this weekend. Localized flooding and severe weather possible.

### HAZARDS & IMPACTS

- Max Heat Indices:** Widespread upper 90s to near 100 within the advisory area. Isolated values near 105 possible within NE NJ.
- Low Temperatures:** Low to mid 70s.
- Timing:** Max heat indices between 1pm and 8pm each day.
- Heat Impacts:** There is an increased risk of heat-related illness for vulnerable populations with this event.
- Thunderstorms:** Possible localized flash flooding as well as severe wind gusts.
- Thunderstorm Impacts:** Possible for localized flooding of low lying and urban roads. Possible localized downed wires and tree limbs.

### NWS ALERTS

- Heat advisories have been extended to 7PM Saturday for much of the region.
- Heat advisories expanded into the following counties:
  - in NY, Orange, Putnam (goes until 8PM this evening)
  - in NY, SW Suffolk (goes until 7PM Saturday)
- If flood or severe threat increases, watches may be needed.

### FORECAST CHALLENGES

- Afternoon/evening showers and thunderstorms may lower max heat indices at times.

### NEXT BRIEF

By 6AM Saturday, unless significant forecast changes warrant an earlier update.

■ Excessive Heat Warning  
■ Heat Advisory

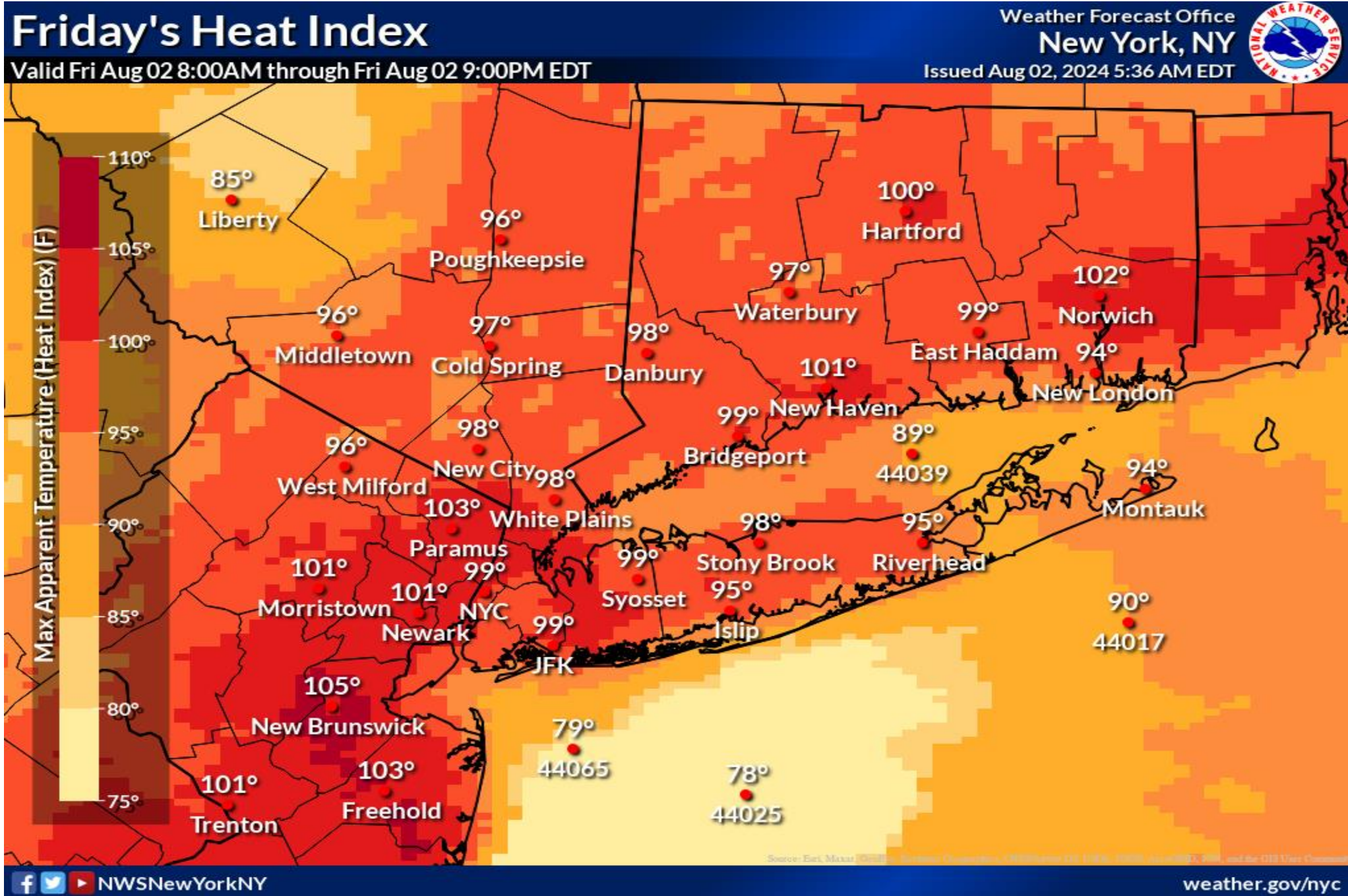


Graphic Created  
August 2nd, 2024  
6:00 AM EDT



# Maximum Heat Index

August 2, 2024  
6:06 AM



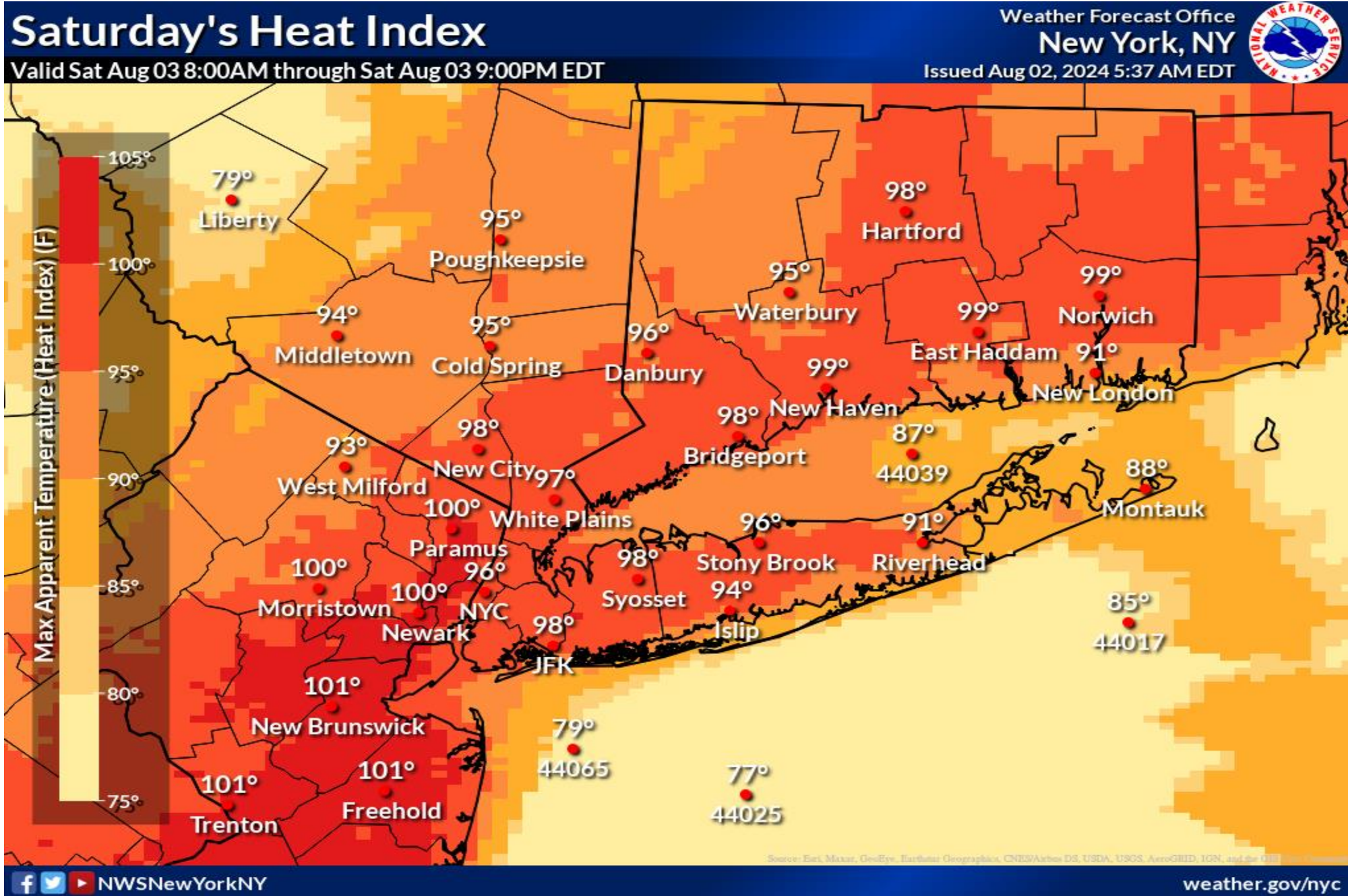
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
New York, NY



# Maximum Heat Index

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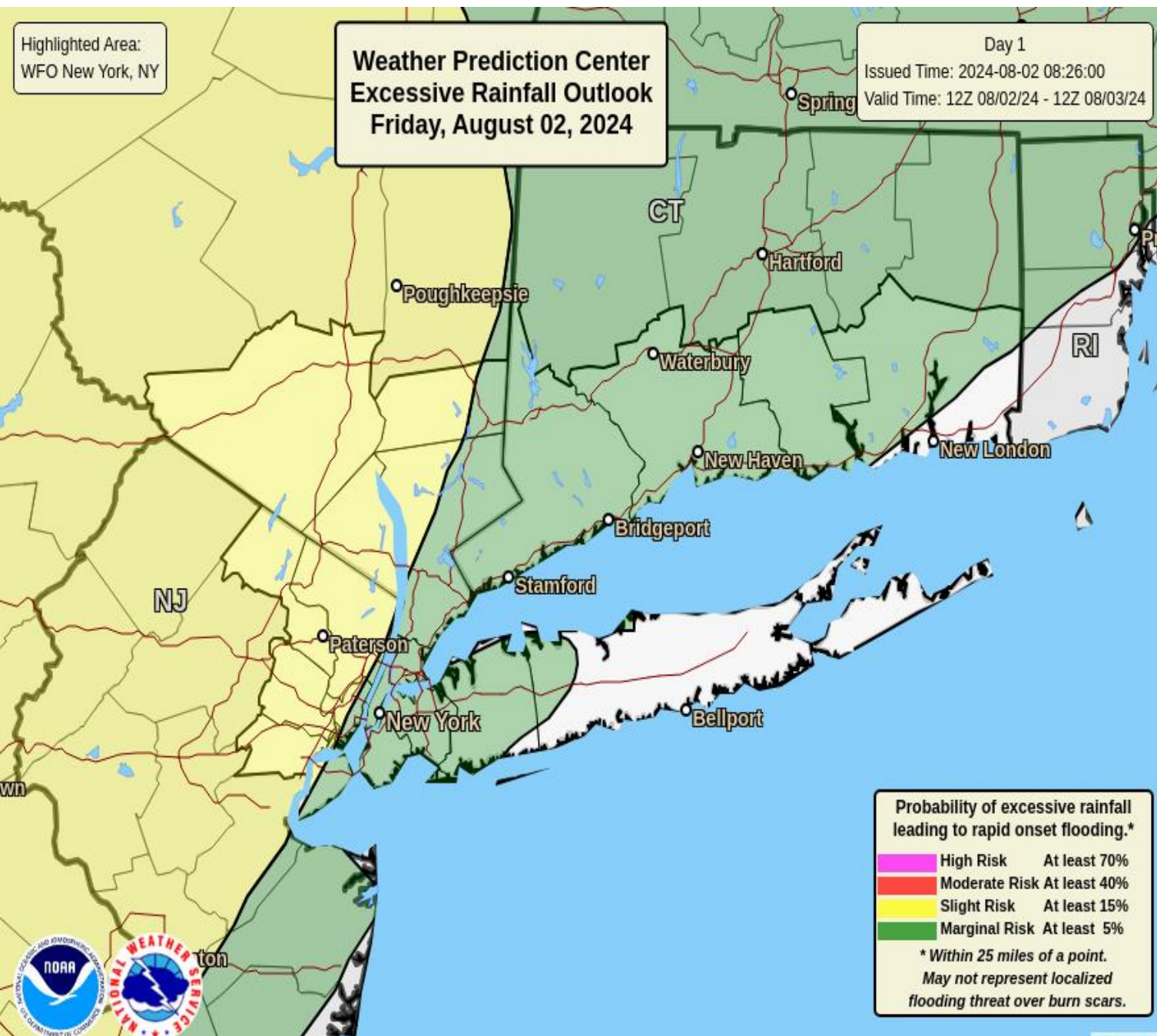




# Excessive Rainfall Outlook

August 2, 2024  
6:06 AM

8AM Friday, August 2<sup>nd</sup> until 8AM Saturday, August, 3<sup>rd</sup>, 2024



## Understanding WPC Excessive Rainfall Risk Categories

No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.	
<a href="http://www.wpc.ncep.noaa.gov">@NWSWPC</a>				
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding

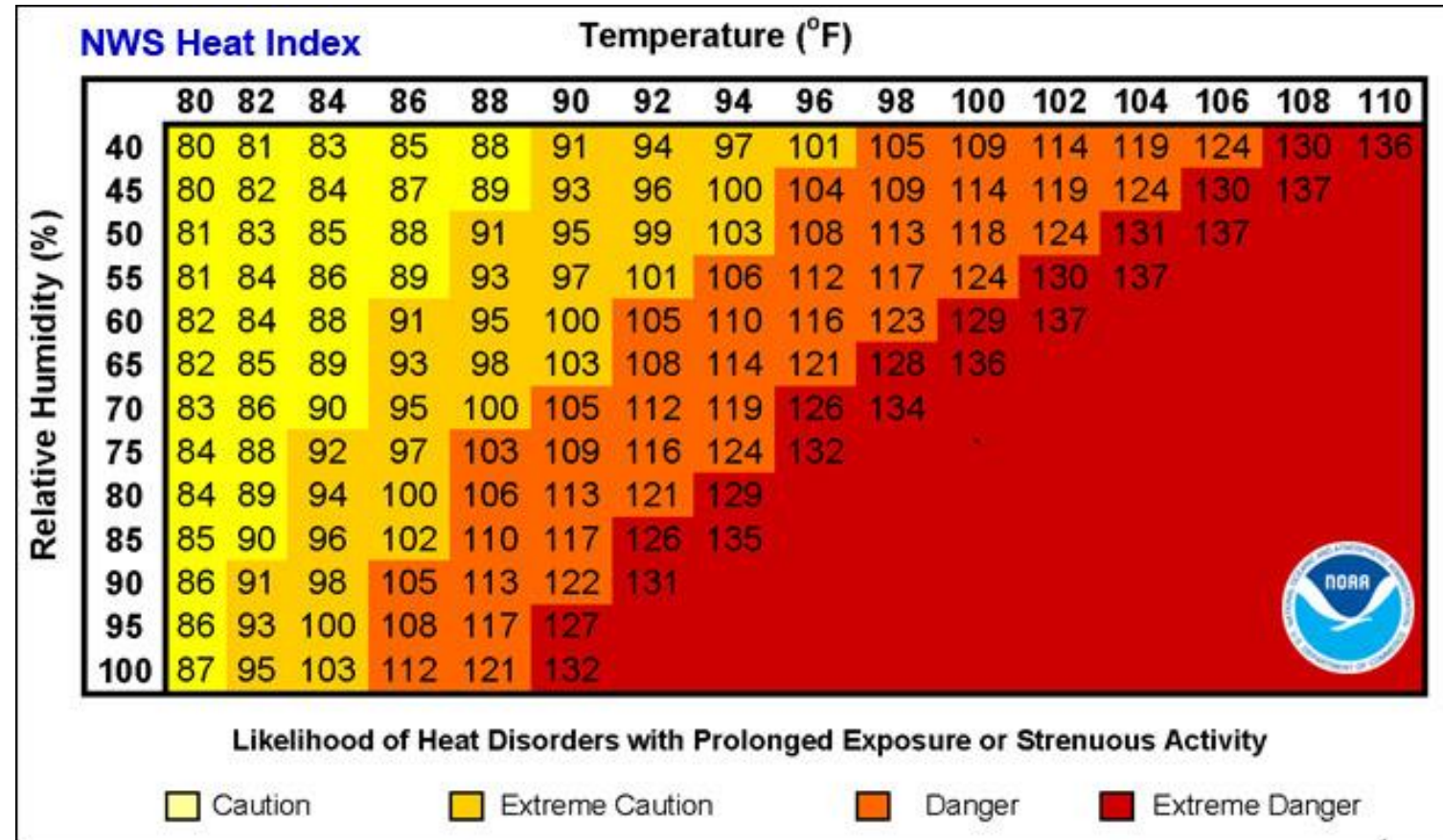




# NWS Heat Index and Effects

The heat index is a measure of how hot it really feels when relative humidity is factored in with air temperature. You can use this chart to find the heat index yourself. For more information on Heat Safety, please go to:

<https://www.weather.gov/safety/heat>



Classification	Heat Index	Effect on the body
Caution	80°F - 90°F	Fatigue possible with prolonged exposure and/or physical activity
Extreme Caution	90°F - 103°F	Heat stroke, heat cramps, or heat exhaustion possible with prolonged exposure and/or physical activity
Danger	103°F - 124°F	Heat cramps or heat exhaustion likely, and heat stroke possible with prolonged exposure and/or physical activity
Extreme Danger	125°F or higher	Heat stroke highly likely



# Practice HEAT SAFETY Wherever You Are

Heat related **deaths** are preventable.  
Protect yourself and others from the  
impacts of heat waves.



[weather.gov/heat](https://www.weather.gov/heat)



## Job Sites

Stay hydrated and  
take breaks in the shade  
as often as possible



## Indoors

Check up on the  
elderly, sick and those  
without AC



## Vehicles

Never leave kids or  
pets unattended -  
**LOOK** before you **LOCK**



## Outdoors

Limit strenuous outdoor  
activities, find shade,  
and stay hydrated

<https://www.weather.gov/wrn/heat> infographics

