



# Heavy Rainfall and Flash Flood Threat into Tonight

August 18, 2024  
6:25 AM

## Key Messages

- Locally heavy rainfall today and tonight may lead to isolated to scattered instances of flash flooding. Additional heavy rainfall is possible Monday afternoon and evening.
- Dangerous rip currents are likely through at least Monday.



## Flood Watches Warnings and Advisories



HAZARDS & IMPACTS

### Flash Flood Threat:

- Rainfall Rates:** 1 to 2"/hr.
- Flash Flood Impacts:** Scattered instances of flash flooding, urban and poor drainage flooding, as well as flooding along quick responding rivers and streams across NE NJ and Lower Hudson Valley are possible. Isolated instances of flash flooding are possible across NYC metro, western Long Island and southwest Connecticut.
- Timing:** Today and Tonight.
- Monday Outlook:** Locally heavy rainfall is possible which may lead to an additional flash flood risk in the afternoon and evening.

### Severe Thunderstorm Threat:

- An isolated severe thunderstorm cannot be ruled out this afternoon and evening, mainly in NE NJ. Damaging wind gusts are the primary threat from any strong to severe thunderstorm, though large hail and an isolated tornado cannot be entirely ruled out.

### Beach Impacts:

- Dangerous rip currents at ocean beaches through at least Monday.
- Surf up to 6 ft could lead to beach erosion through Monday.

NWS ALERTS

- Flood Watch:** All of northeast New Jersey, Orange and Rockland counties until 2 am Monday.
- High Rip Current Risk:** All local Atlantic-facing beaches through Monday evening (extension may be needed through Tuesday).

NEXT BRIEF

This is the final briefing for this event unless significant changes occur.





# Storm Total Rainfall Thru Monday Night

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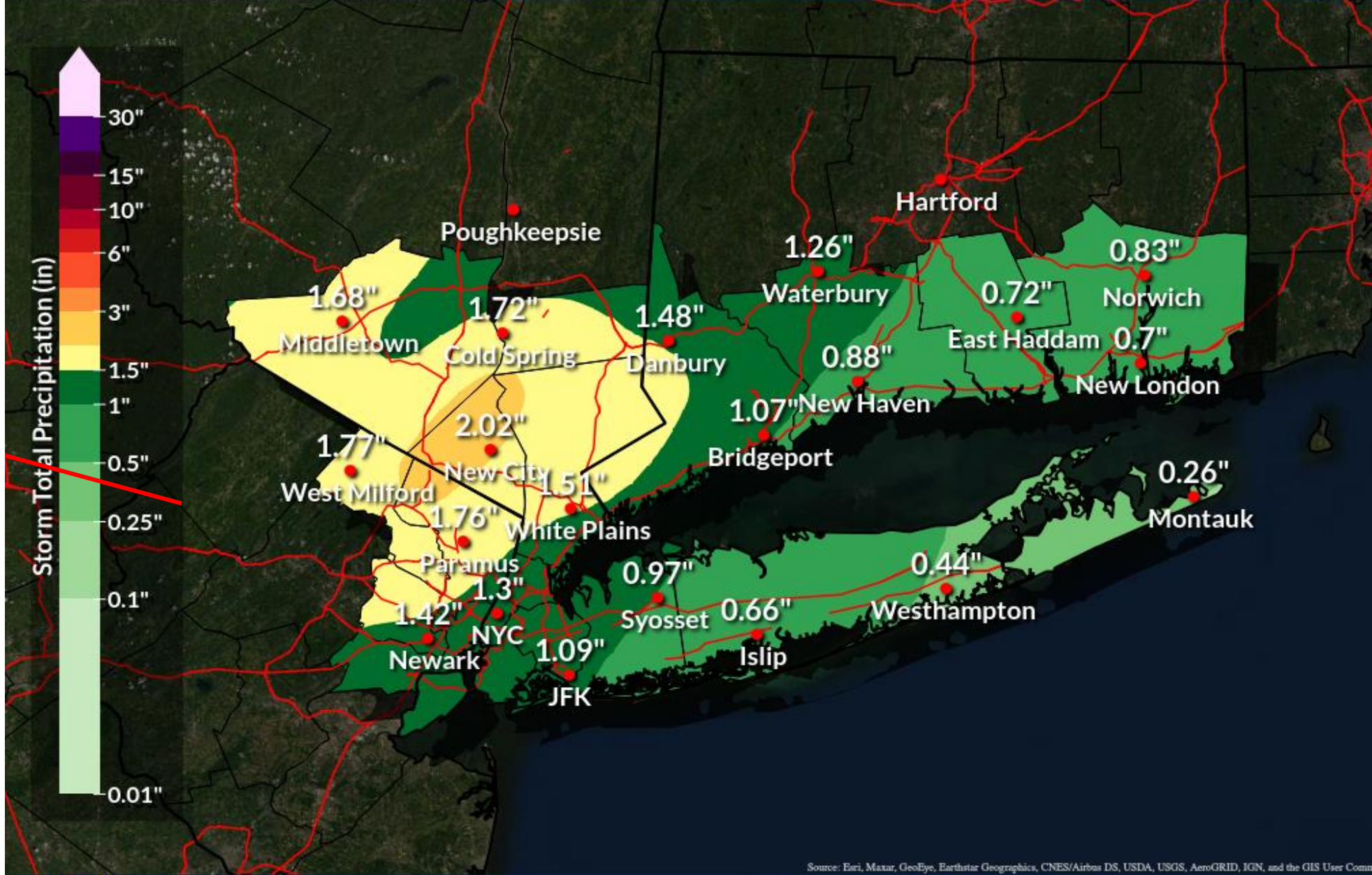
## Expected Rainfall/Liquid Equivalent - Official NWS Forecast

Weather Forecast Office  
New York, NY



Valid Sun 2:00AM through Tue 8:00AM EDT

Issued Aug 18, 2024 3:23 AM EDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWSNewYorkNY

[weather.gov/nyc](http://weather.gov/nyc)



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

National Weather Service  
New York, NY

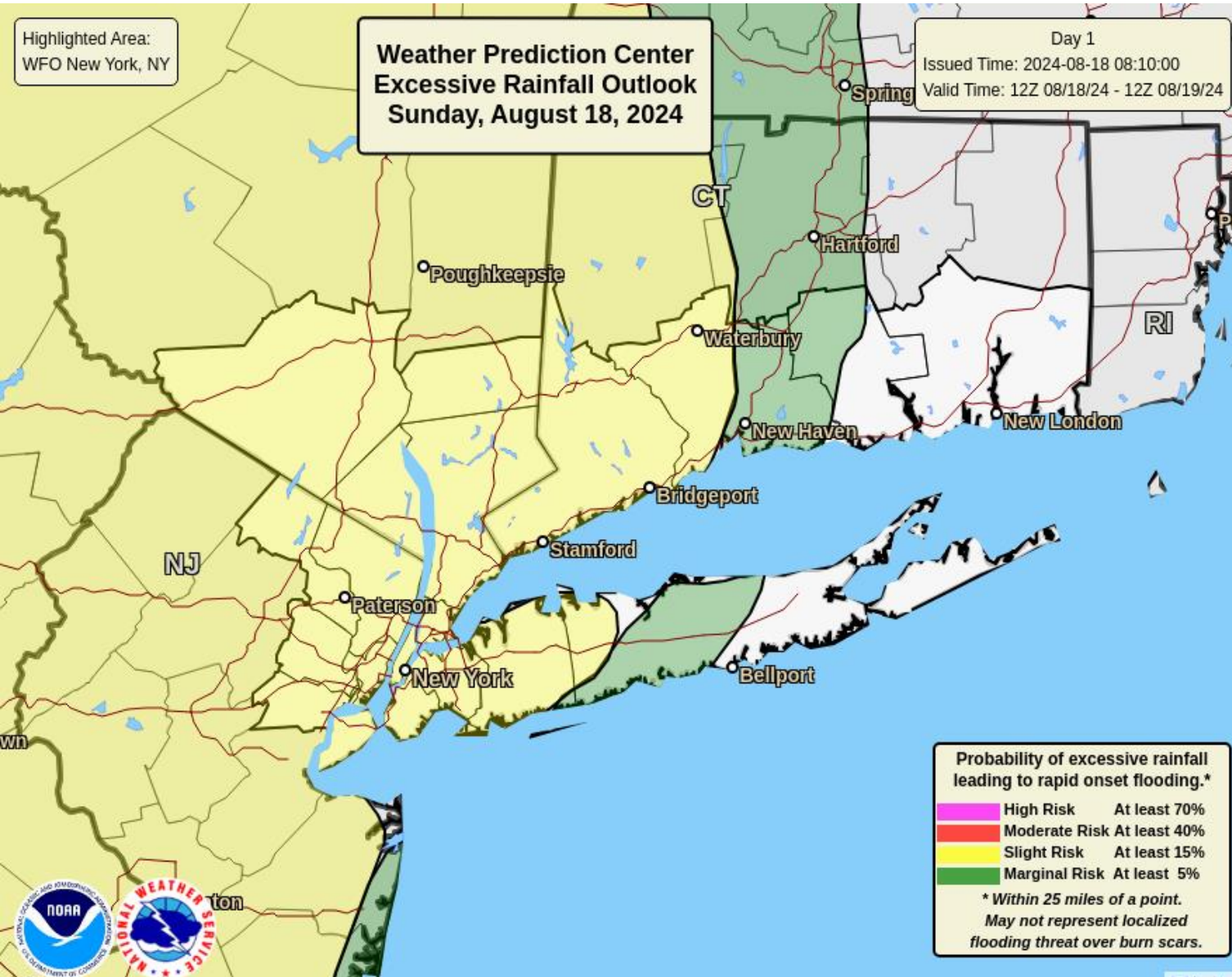




# Excessive Rainfall Outlook Today

August 18, 2024  
6:25 AM

Valid: 8 am Today through 8 am Monday



## 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.	

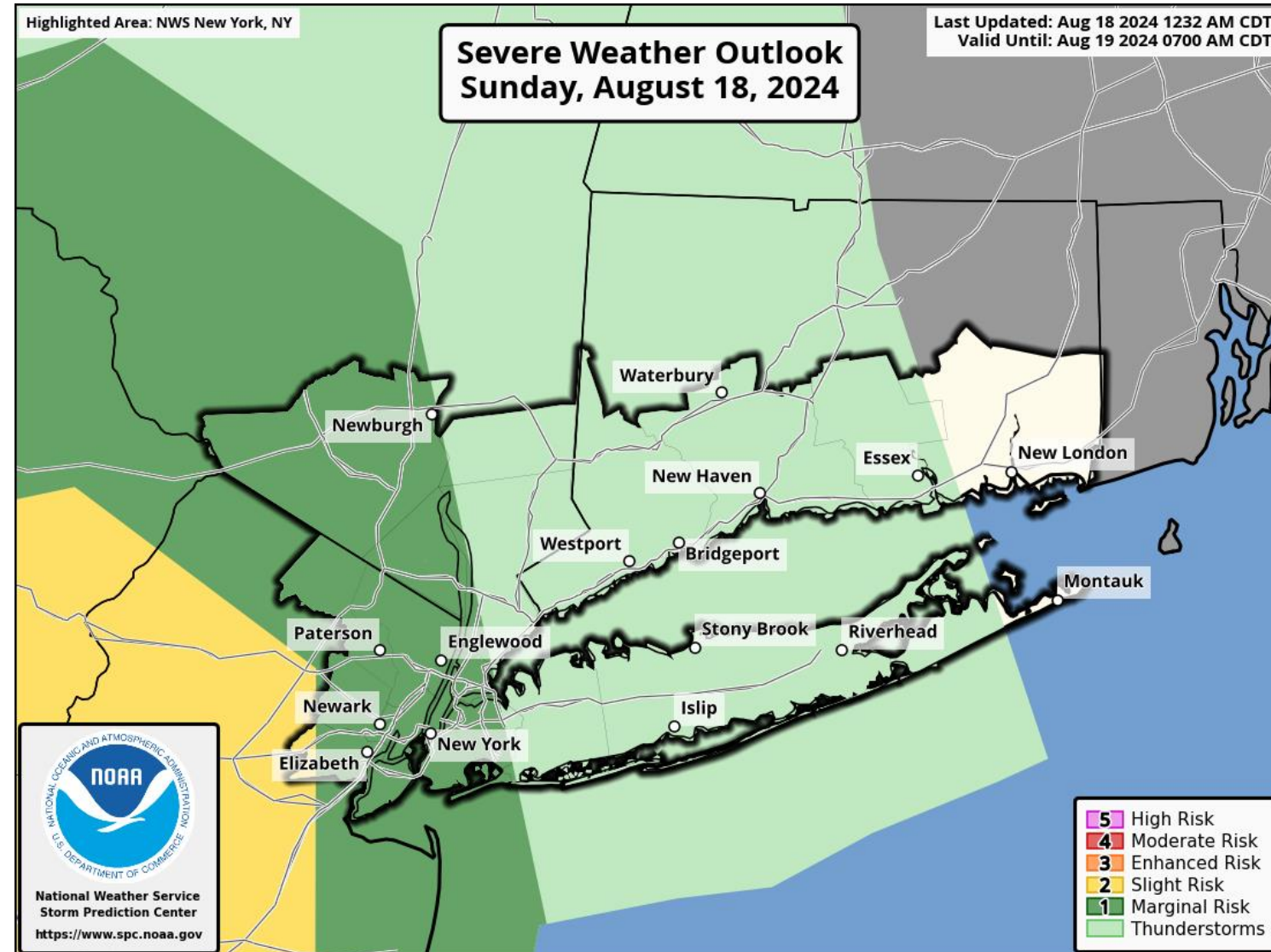




# Severe Thunderstorm Outlook Today

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Valid: 8 am Today through 8 am Monday



## Understanding Severe Thunderstorm Outlook Categories

LEVEL	CATEGORY	DETAILS	SUMMARY	How many severe storms are possible?	How bad could the worst storms be?	DEFINITIONS
	General Thunderstorm	Although severe weather is not expected, <i>all</i> thunderstorms can produce deadly lightning, gusty winds, and small hail.	No severe thunderstorms expected	None to Numerous	Similar to storms your area experiences many times per year	<b>Severe Storm</b> Any storm that contains at least one of the following: Wind gusts of at least 58 mph Hail at least one inch in diameter Tornado
1	Marginal (MRGL)	Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.	Isolated severe storms possible	None to Numerous	Similar to storms your area may experience several times per year	Wind gusts of at least 58 mph Hail at least one inch in diameter Tornado
2	Slight (SLGT)	Increased confidence that some storms will contain damaging winds, severe hail, and/or tornado potential. <i>A few severe storms could be significant</i>	Isolated to scattered severe storms expected	None to Numerous	Similar to storms your area may experience a few times per year	Hail at least one inch in diameter Tornado
3	Enhanced (ENH)	High confidence that several storms will contain damaging winds, severe hail, and/or tornadoes. <i>Several severe storms could be significant</i>	Scattered to numerous severe storms expected	None to Numerous	Similar to intense storms your area may only experience once or twice per year	<b>Significant Severe</b> Any of the following hazards: Wind gusts of at least 75 mph Hail at least two inches in diameter Tornado of at least EF-2 rating
4	Moderate (MDT)	High confidence that many storms will contain damaging winds, severe hail, and/or tornadoes. <i>Several severe storms likely to be significant</i>	Scattered to numerous severe storms expected	None to Numerous	Similar to intense storms your area may only experience once per year or less	Wind gusts of at least 75 mph Hail at least two inches in diameter Tornado of at least EF-2 rating
5	High (HIGH)	High confidence that an outbreak of storms will contain tornadoes, damaging winds, and/or severe hail. <i>Tornado outbreak and/or widespread damaging winds</i>	Numerous severe storms expected	None to Numerous	Very intense storms your area may only experience once or twice in a lifetime	Tornado of at least EF-2 rating

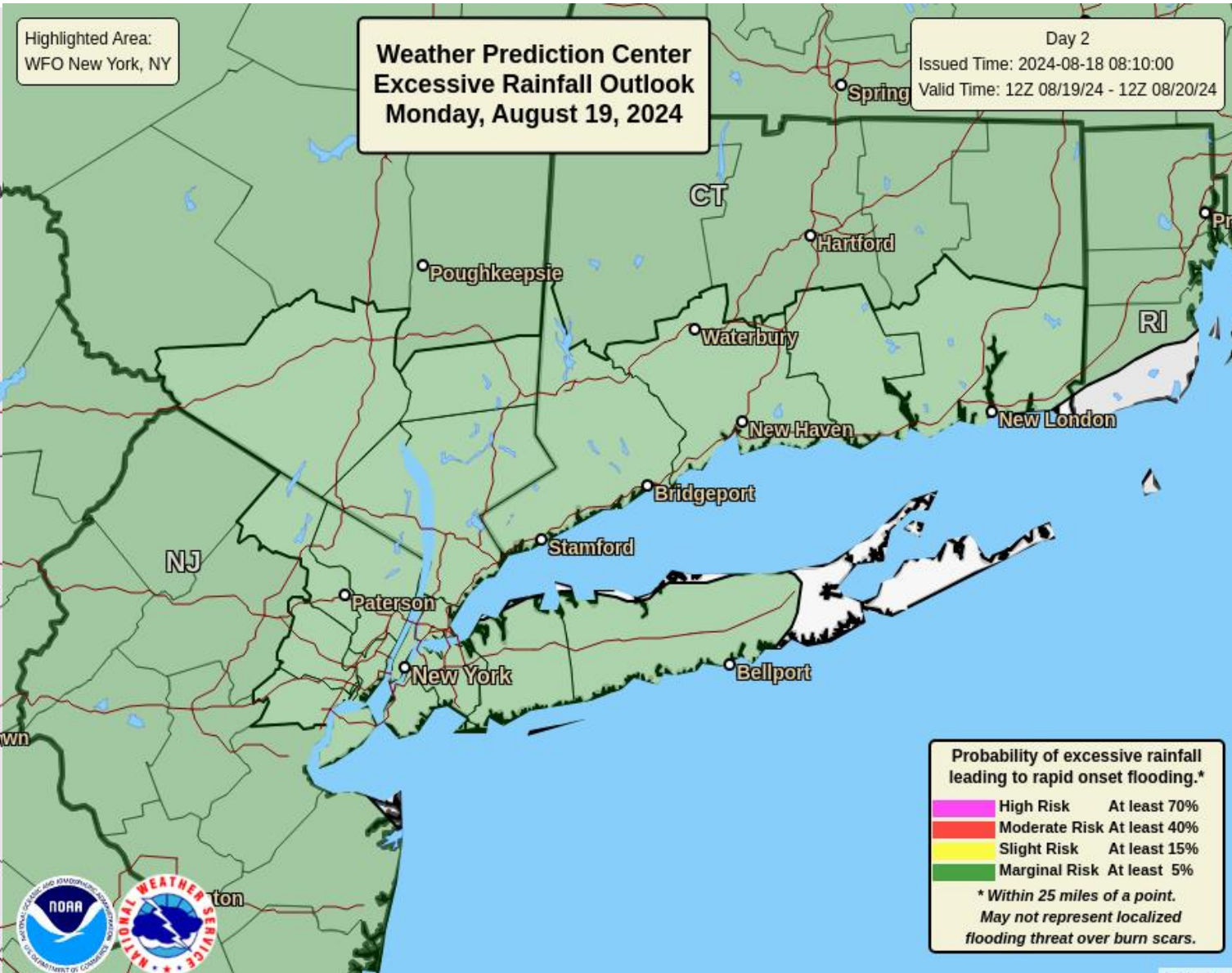




# Excessive Rainfall Outlook Monday

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Valid: 8 am Monday through 8 am Tuesday



## 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  Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Scattered flash floods possible  Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash floods likely  Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Widespread flash floods expected  Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
WEATHER PREDICTION CENTER				