

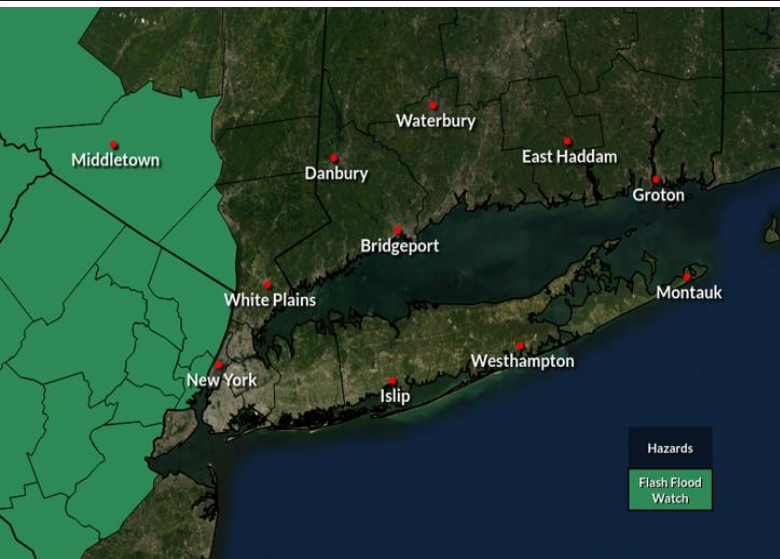
# Localized Flash Flooding and Severe Threat Late Wed into Early Thu



New York, NY  
WEATHER FORECAST OFFICE

## OVERVIEW

- Scattered thunderstorms and heavy downpours are possible as a cold front passes through the region late Wednesday into early Thursday.
- There is a marginal to slight risk of flash flooding for NE NJ, NYC, Lower Hudson Valley and SW CT.
- There is a marginal to slight risk of severe thunderstorms for these same areas.



f t i @NWSNewYorkNY

weather.gov/nyc

### HAZARDS & IMPACTS

- **Storm Total Rainfall:** 1/2 to 1 inch on average
  - **Reasonable Worst Case Rainfall:** 1 to 2 inches
  - **Rainfall Rates:** Locally 1"+/hr possible
- **Impacts:** Localized flash flooding of urban and poor drainage areas, as well as already swollen quick responding small rivers, streams, and creeks.
- Isolated severe thunderstorms are possible, with the main threat being damaging wind gusts. An isolated tornado can not be ruled out north and west of the NYC metro.
- With some rivers and streams remaining in action or minor flood stage from prior rains, river flooding remains possible.

### TIMING

- Scattered thunderstorms could develop as early as mid-to-late afternoon Wednesday, with the primary window of concern between 8 PM Wednesday and 2 AM Thursday.

### NWS ALERTS

- **Flash Flood Watch** for NE NJ and portions of the Lower Hudson Valley

### FORECAST CHALLENGES

- Saturated grounds, high water tables, and high river/stream levels pose a threat for flash flooding across NE NJ, NYC, Lower Hudson Valley, and SW CT, with the greatest risk across the watch area.
- The axis of heavy rainfall will continue to be refined over the next 24 hours.

### NEXT BRIEF

- By 6 AM Wednesday.

ISSUED: 9/7/2021 5:27 PM

www.weather.gov/nyc

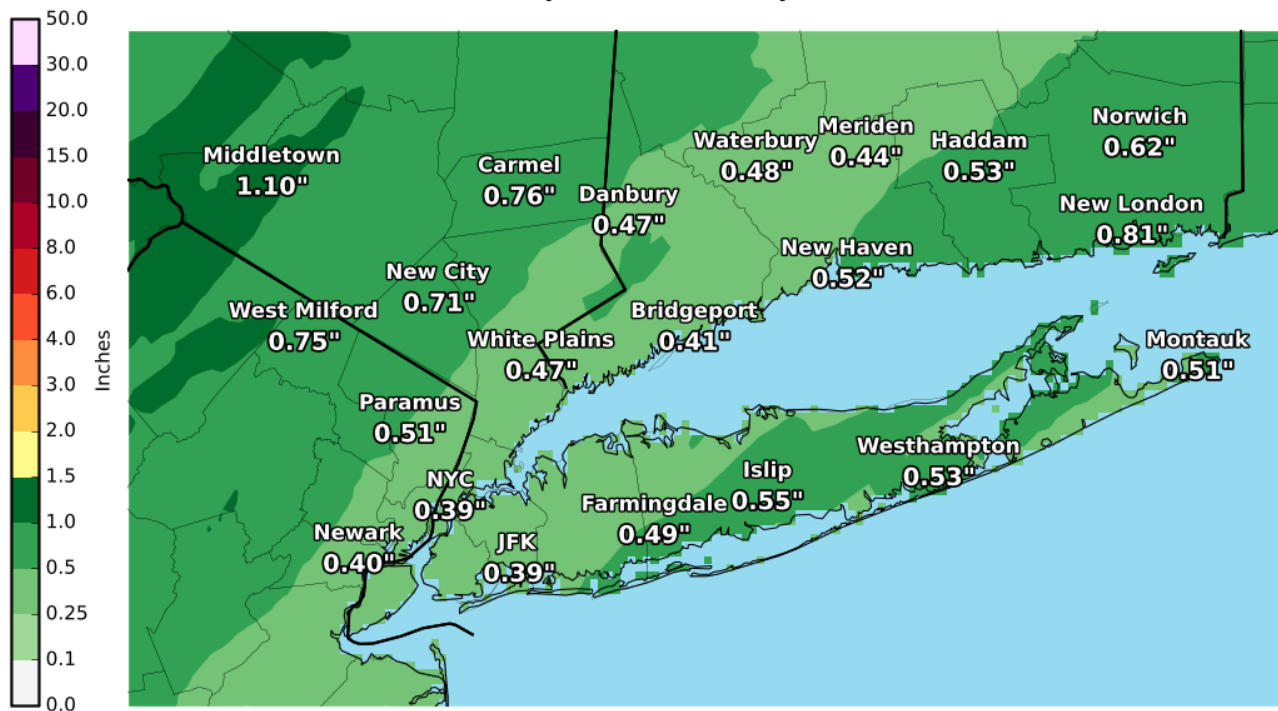
# Expected Rainfall – Official NWS Forecast



New York, NY  
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## Expected Rainfall - Official NWS Forecast

Valid: Wednesday 2:00 PM - Thursday 2:00 PM EDT



National Weather Service  
New York NY  
09/07/2021 03:01 PM EDT

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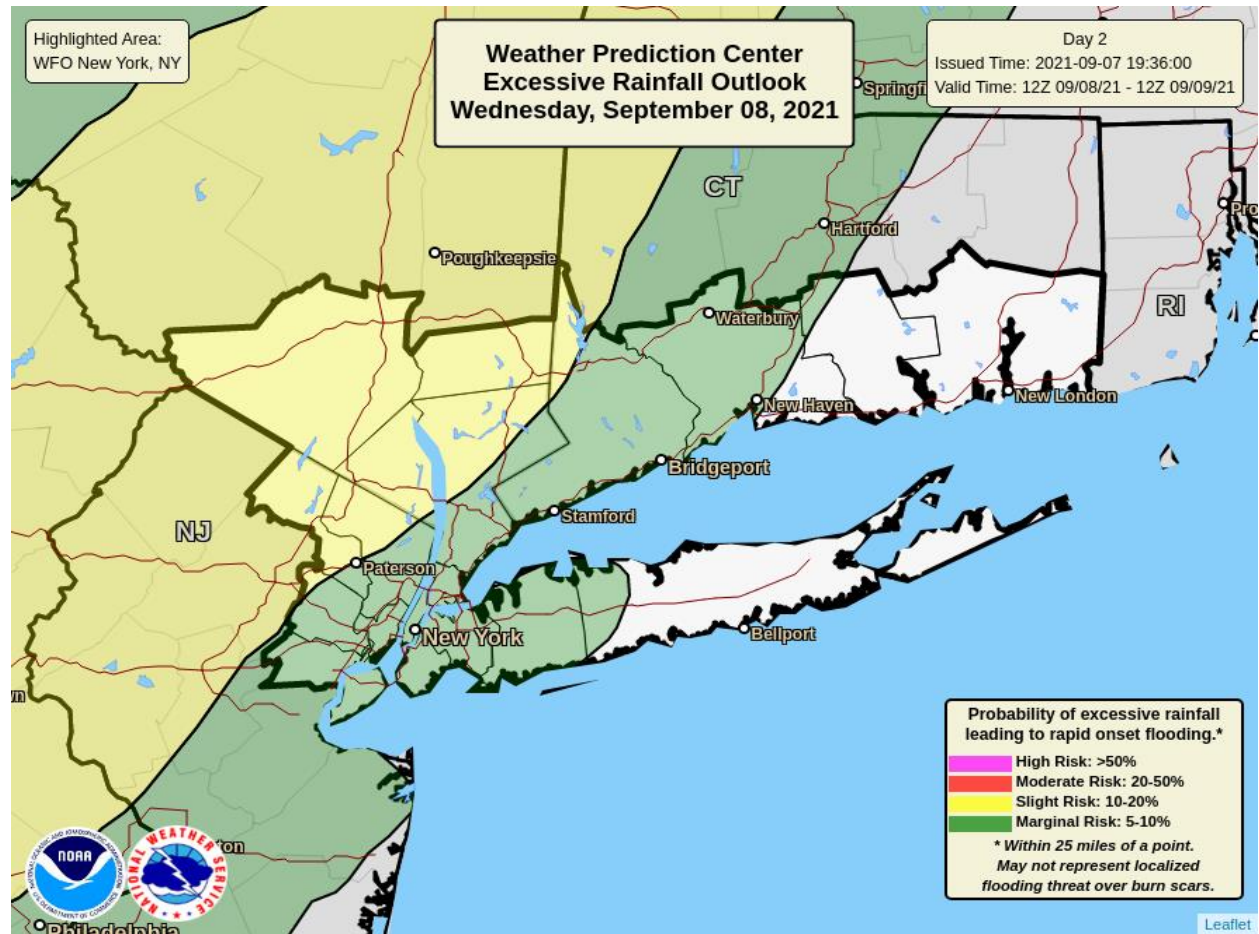


[weather.gov/nyc](https://weather.gov/nyc)

# Excessive Rainfall Outlook Wednesday AM – Thursday AM



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# River Forecasts

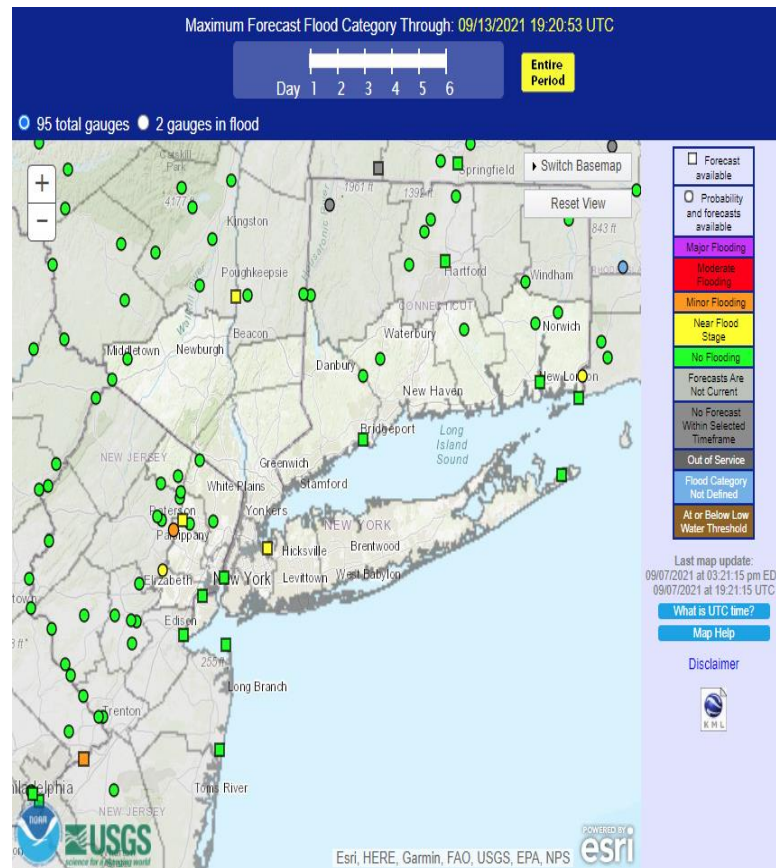
Several gauges remain in action or minor flood stage. Additional water rise is possible with this event.

Latest river forecasts can be found [here](#).

You can also refer to the Mid- Atlantic or Northeast River Forecast Center for the latest information on river forecasts:

<https://www.weather.gov/marf>

<https://www.weather.gov/nerfc/>

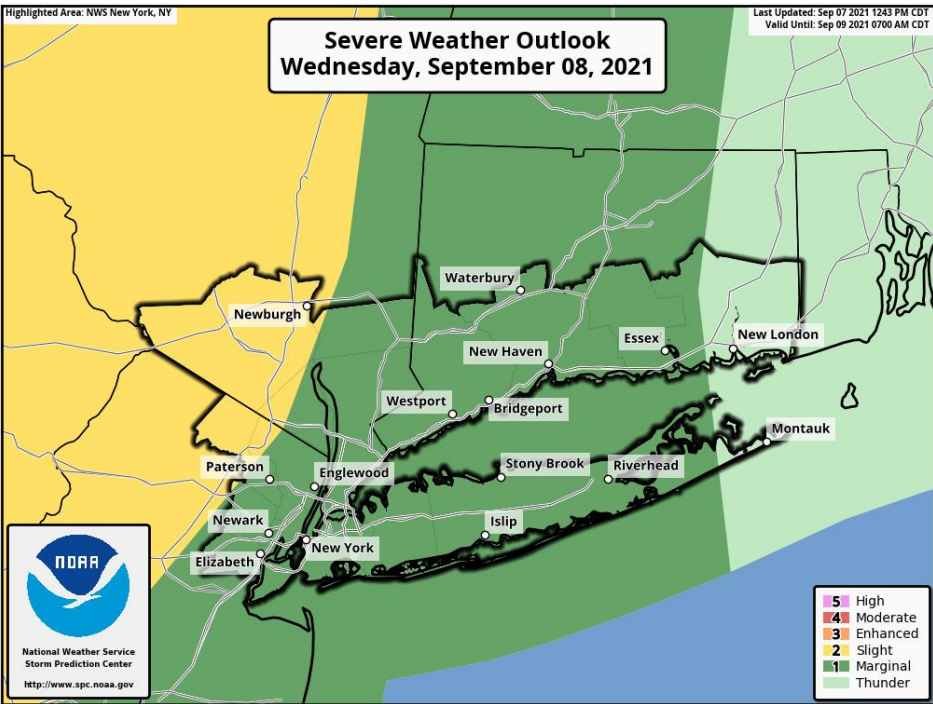







# Severe Thunderstorm Threat (Isolated Tornado Possible)



New York, NY  
WEATHER FORECAST OFFICE



## Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					

\* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service  
[www.spc.noaa.gov](http://www.spc.noaa.gov)





## Event Summary

- ✓ Thunderstorms are expected to develop in the late afternoon and evening hours Wednesday along and in advance of a cold front moving through the Northeast. The best chances for thunderstorms appear to be between 8 PM Wednesday and 2 AM Thursday.
- ✓ There is potential for the storms to train over the same areas, as the cold front will be slow moving. As a result, locally heavy rainfall is possible, with amounts of 1-2+ inches possible where training storms occur. The saturated soils from last week's excessive rainfall threat mean our region is particularly vulnerable to flash flooding.
- ✓ The environment appears marginal for severe weather, with the biggest threat being locally damaging wind gusts. With storms most likely to occur well after peak heating of the day, this may reduce the overall threat. An isolated tornado also cannot be ruled out, especially north and west of New York City.

