

Localized Flash Flooding and Severe Threat Late Today into Early Thu



New York, NY
WEATHER FORECAST OFFICE

OVERVIEW

- Scattered thunderstorms and heavy downpours are possible as a cold front passes through tonight into Thursday.
- There is a slight risk of flash flooding and severe thunderstorms mainly for Northeast NJ and the Lower Hudson Valley.

HAZARDS & IMPACTS

- Storm Total Rainfall:** 0.5 to 1.5 inches on average
 - Reasonable Worst Case Rainfall:** 2 to 2.25 inches
 - Rainfall Rates:** Locally 1"/hr possible
- Impacts:** Localized flash flooding of urban and poor drainage areas, and fast-responding small streams.
- Damaging wind gusts are possible with the strongest thunderstorms. An isolated tornado can not be ruled out.

TIMING

- Scattered late day showers have started to develop in/near the higher elevations of NJ and the lower Hudson Valley. However, the main window of concern is between 9 PM and 4 AM as the band of showers/thunderstorms with the front moves across.

NWS ALERTS

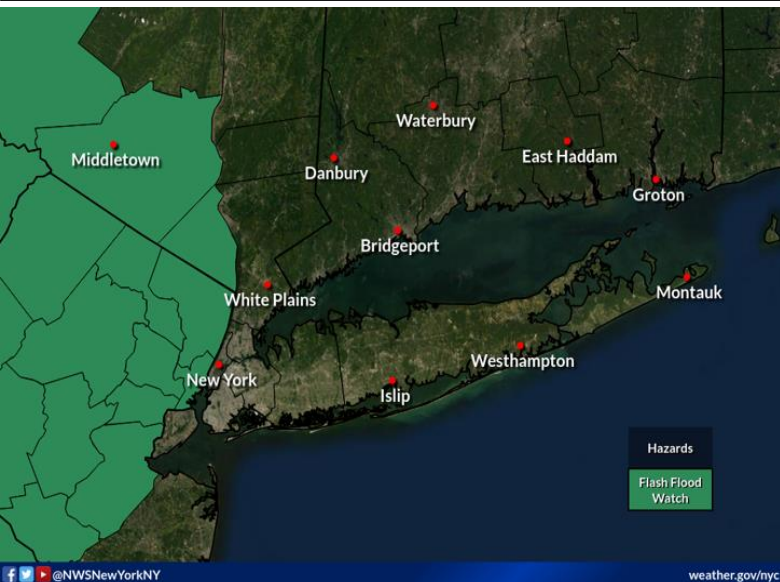
- Flash Flood Watch** for Northeast NJ and portions of the Lower Hudson Valley

FORECAST CHALLENGES

- Saturated ground and high water tables pose a flood threat mainly in the watch area.
- Heavy rain could redevelop as far west as the NYC metro area Thursday afternoon—this remains uncertain.

NEXT BRIEF

- This will be the final briefing on this potential event.



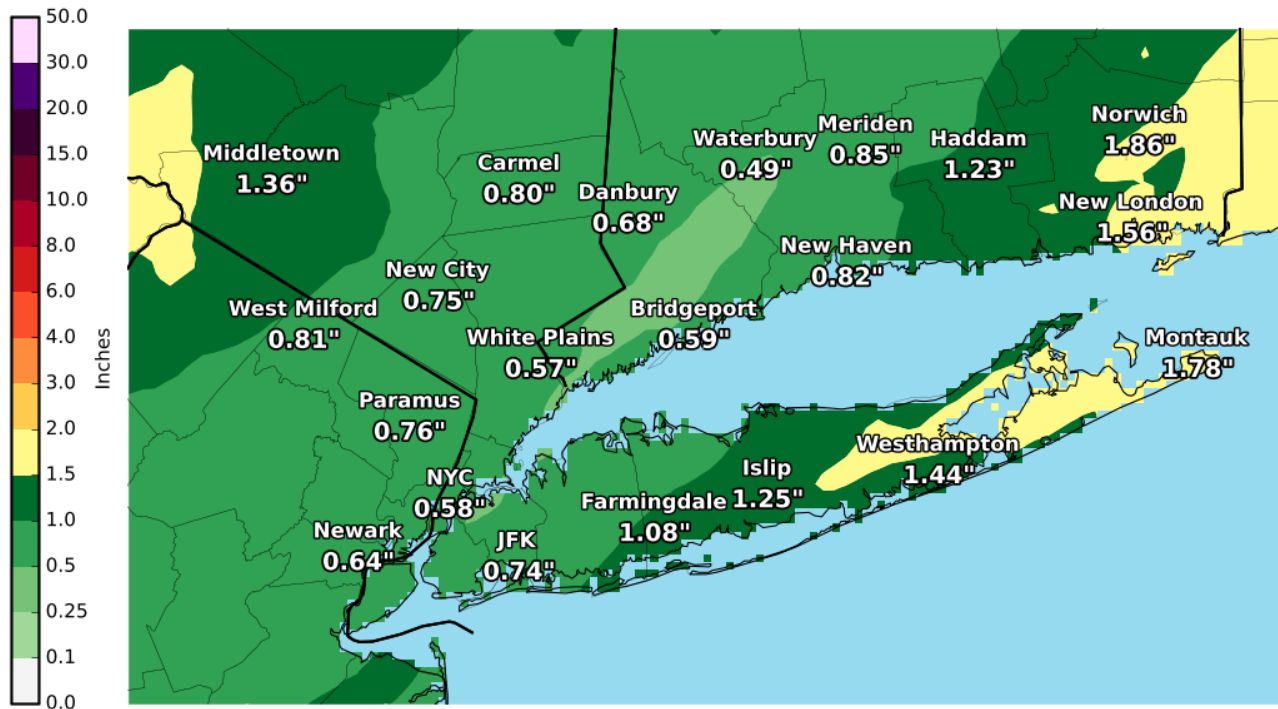
Expected Rainfall – Official NWS Forecast



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Expected Rainfall - Official NWS Forecast

Valid: 09/08/2021 02:00 PM - 09/10/2021 08:00 AM EDT



National Weather Service
New York NY
09/08/2021 06:10 PM EDT

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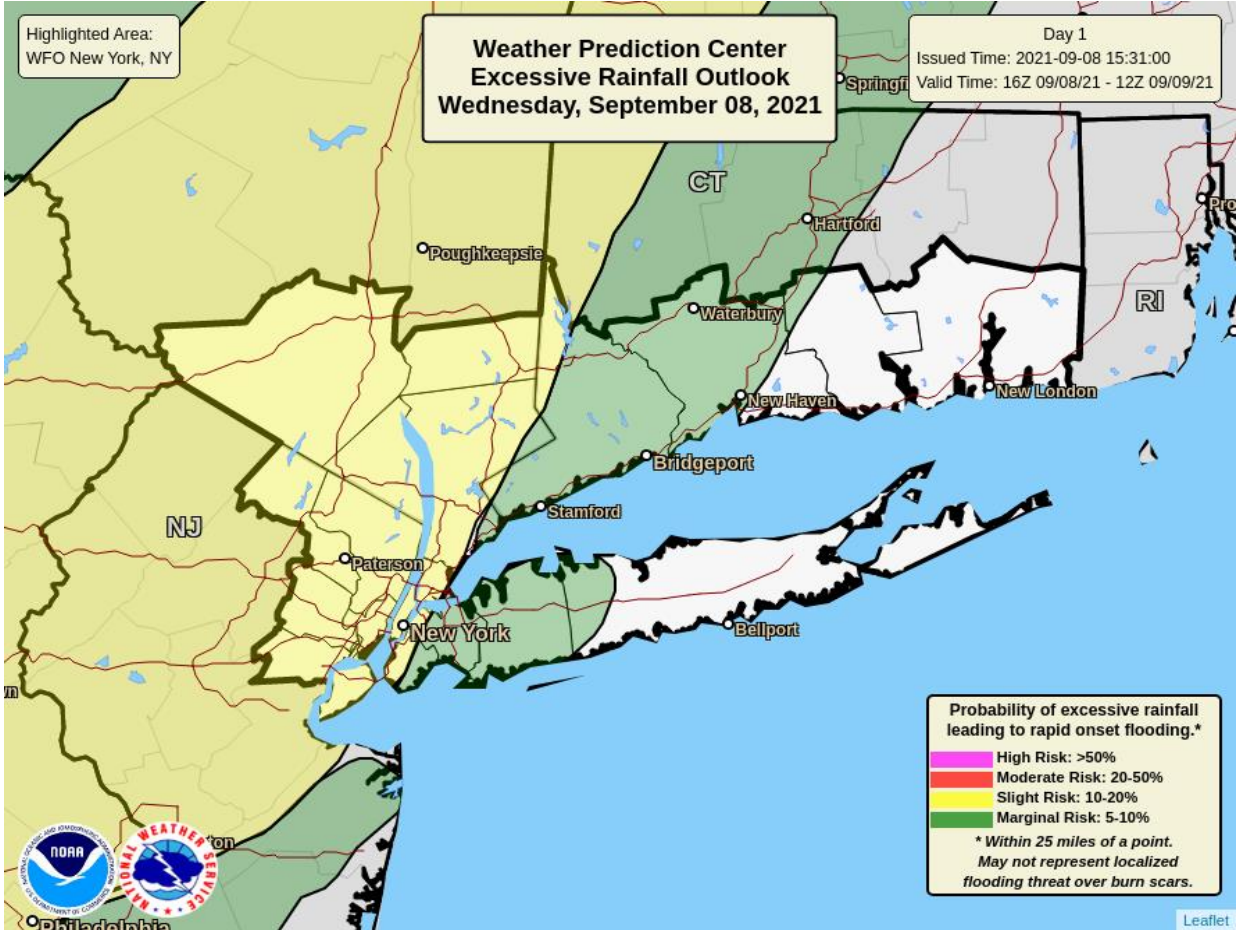


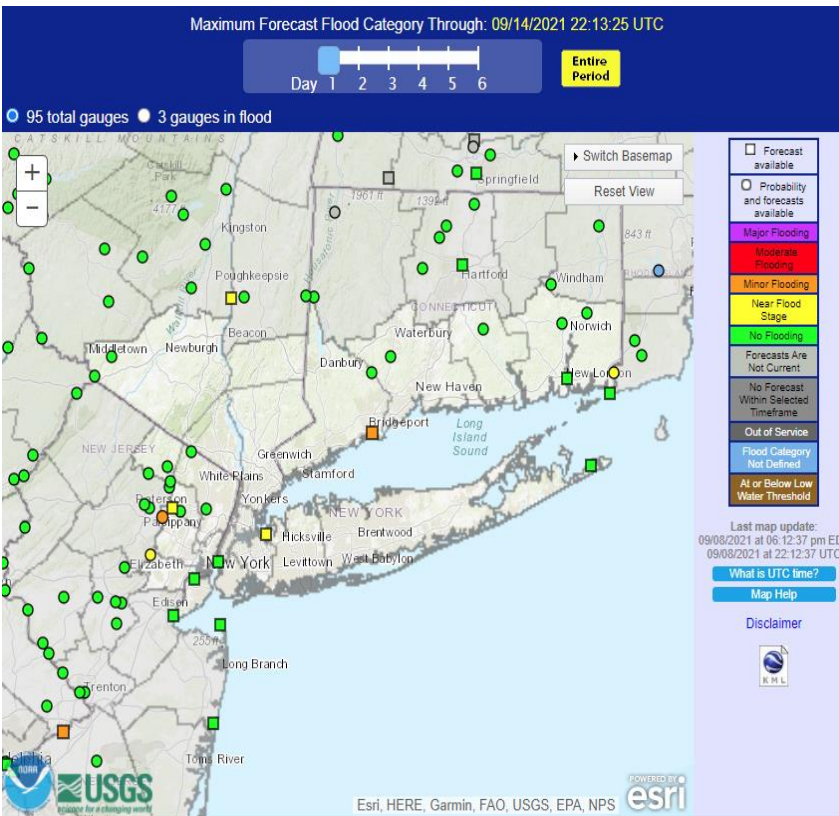
weather.gov/nyc

Excessive Rainfall Outlook Today – 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](https://www.weather.gov/marf).

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

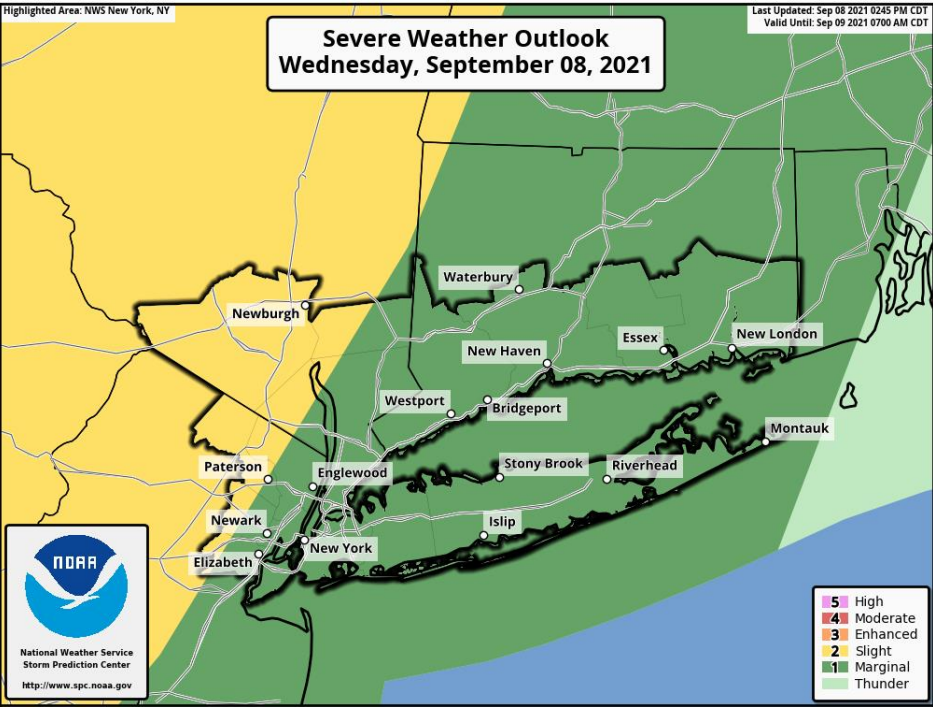
<https://www.weather.gov/marf>

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






Severe Thunderstorm Threat (Isolated Tornado Possible)



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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





Event Summary

- ✓ A band of showers and thunderstorms should move across tonight. The best chances for thunderstorms appears to be between 9 PM and 4 AM.
- ✓ 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 around 2 inches possible where training storms occur. Saturated soils from last week's excessive rainfall make parts of our region 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.

