



# Heavy Rain and Flood Potential Saturday

March 22, 2024  
5:10 AM

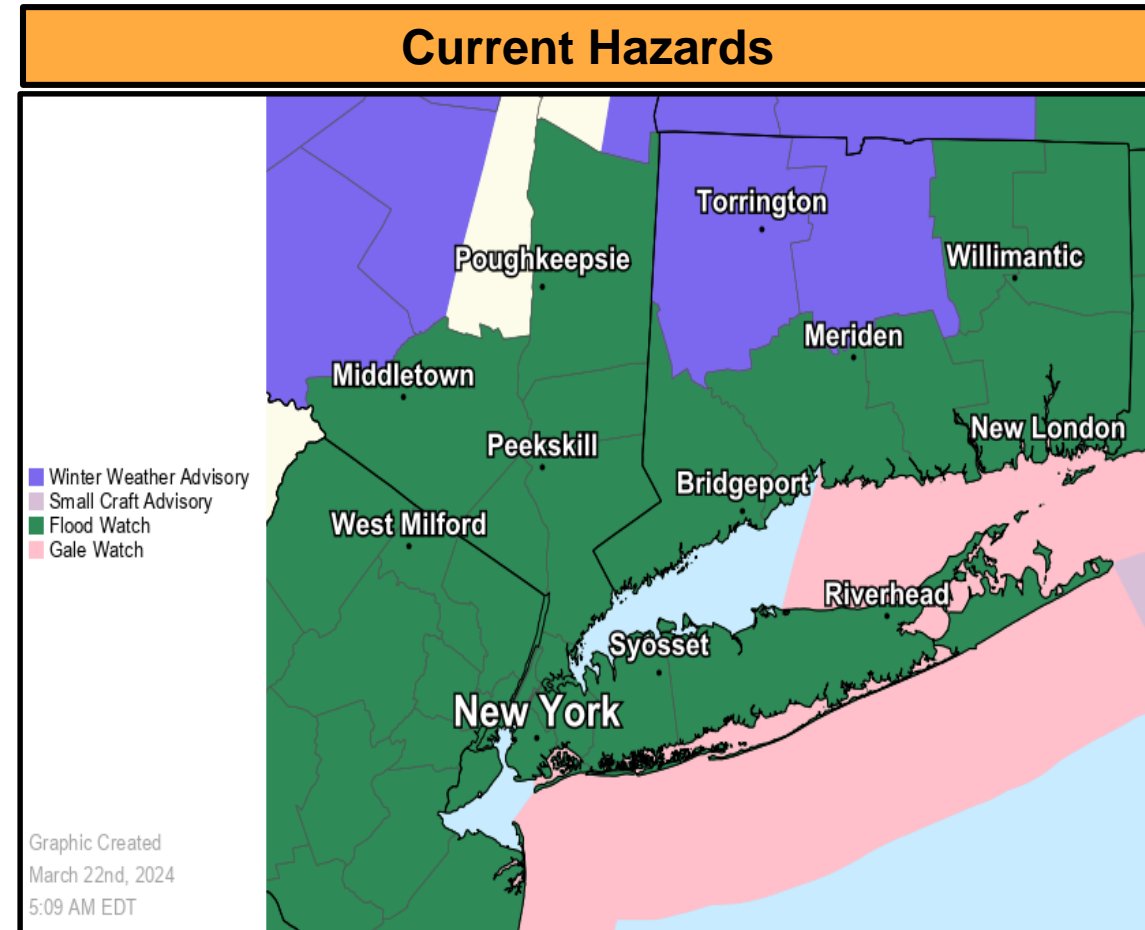
Decision Support Briefing #3

## What Has Changed?...

- Total rainfall amounts have trended up slightly for western LI, NYC and NE NJ.
- A Flood Watch has been issued for the entire area, starting at 7AM Saturday.

## Key Messages...

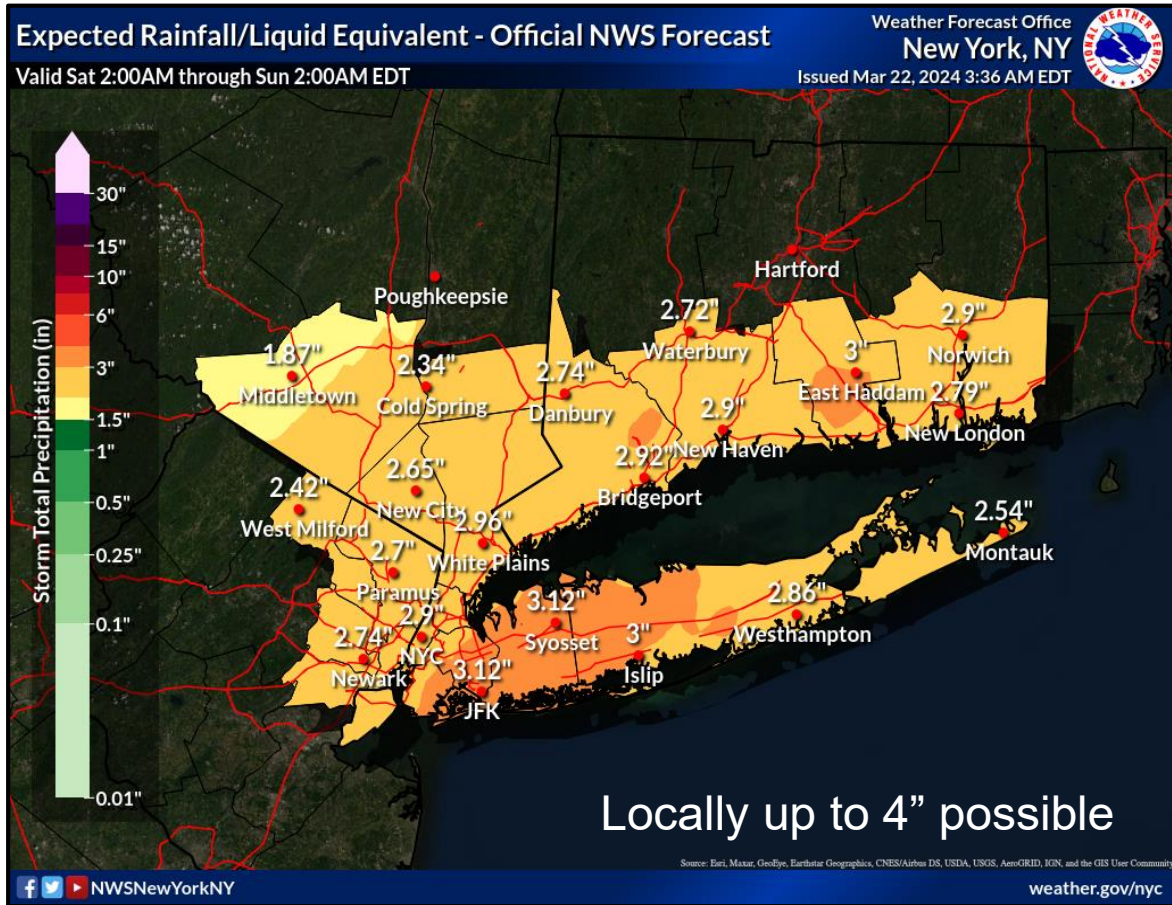
- ✓ Scattered to widespread minor urban and poor drainage flooding with a localized flash flood threat on Saturday.
- ✓ Minor flooding likely along a few to several quick responding small rivers and streams.
- ✓ Beach flooding and scattered dune erosion possible during times of high tide Sat PM thru early next week. Overwashes are not expected.





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## Hazards:

- ✓ **Storm Total Rainfall:** 2 ½ to 3.5" likely, locally 4" possible.
- ✓ **Rainfall Rates:** ¼" to ½"/hr rates for a 3 to 5 hr period late Sat AM into afternoon. Low probability of ¾" to 1"/hr rates.

## Impacts:

- ✓ **Urban/Poor Drainage Flooding:** Scattered to widespread minor flooding of urban, poor drainage, and low-lying areas. Localized flash flooding threat.
- ✓ **River Flooding:** Minor flooding likely along some quick responding small rivers and streams, particularly across NE NJ, Rockland and Westchester NY. There is a low threat of moderate flooding along a few quick responding small rivers and streams across NE NJ if rainfall exceeds 3" in 6-12 hrs.

## Timing:

- ✓ Rain develops tonight after midnight, with a 6 to 8 hr period of moderate to heavy rain late Sat AM into afternoon. Rain tapers off from west to east Saturday night but there could be some lingering flooding especially, on rivers and streams.

## Forecast Challenges:

- ✓ Potential development and location of a heavy rain axis of 3 to 4", which will determine potential for moderate river flooding impacts.
- ✓ Heavy rain and/or runoff during the time of high tides Sat AM/PM, may cause localized flash flooding of coastal and tidally affected roadways and properties.

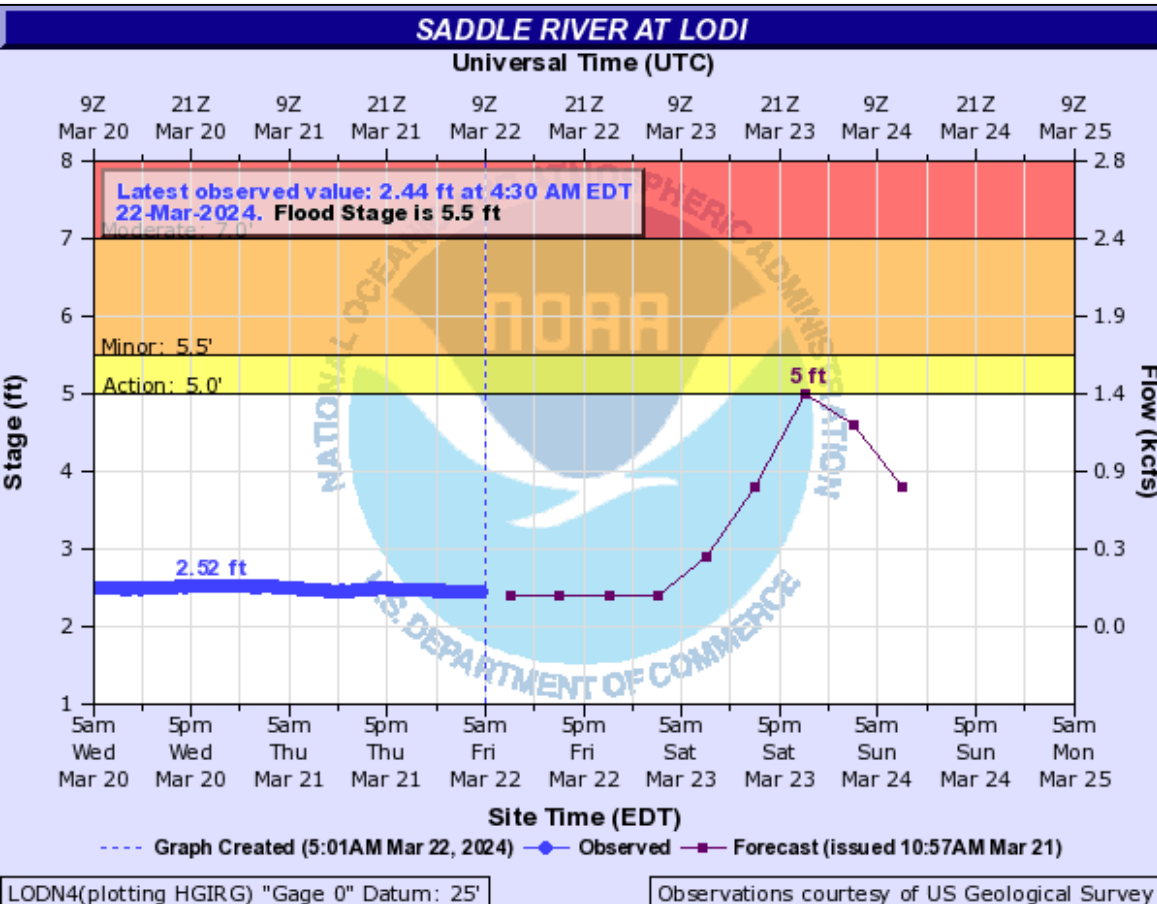


# Northeast NJ River Flood Potential

March 22, 2024

5:10 AM

## Official RFC Forecast – Saddle River at Lodi NJ



## Probabilistic River Flood Threat –

**Minor flood threat** along several fast-responding rivers and small streams, including the Saddle River, Ramapo River, Rahway, Passaic, Hackensack Rivers and Ho-Ho-Kus Brook IF more than 2 inches of rain is realized in 6-12 hr (Probability: Medium to High)

- Impacts: Minimal or no property damage, but possibly some public threat (e.g., inundation of roads)

**Moderate flood threat** along a few fast-responding rivers and small streams IF more than 3 inches of rain falls in 6-12 hr, particularly the Saddle and Passaic Rivers. (Probability: Low)

- Impacts: Some inundation of structures and roads near stream, evacuations of people and/or transfer of property to higher elevations.

For more details...See here for the latest [river forecasts](#), impact catalogs, and [inundation maps](#).



## Probabilistic River Flood Threat –

Minor flood threat along a few to several fast-responding small rivers and streams, including the Bronx River, Sprain Brook, Saw Mill River, Hutchinson and Mamaroneck Rivers in Westchester County, and Ramapo and Hackensack Rivers in Rockland County IF more than 2 1/2 to 3 inches of rain falls in 6-12 hr. (Probability: Medium)

- Impacts: Minimal or no property damage, but possibly some public threat (e.g., inundation of roads)

**Moderate flood threat along a few fast-responding small rivers and streams IF more than 3 to 3 1/2 inches of rain falls in 6-12 hr. (Probability: Low)**

- **Impacts:** Some inundation of structures and roads near stream, evacuations of people and/or transfer of property to higher elevations.

For more details...See here for the latest [river forecasts](#), impact catalogs, and [inundation maps](#).