



Heavy Rain and Flood Potential Saturday

March 21, 2024
5:21 PM

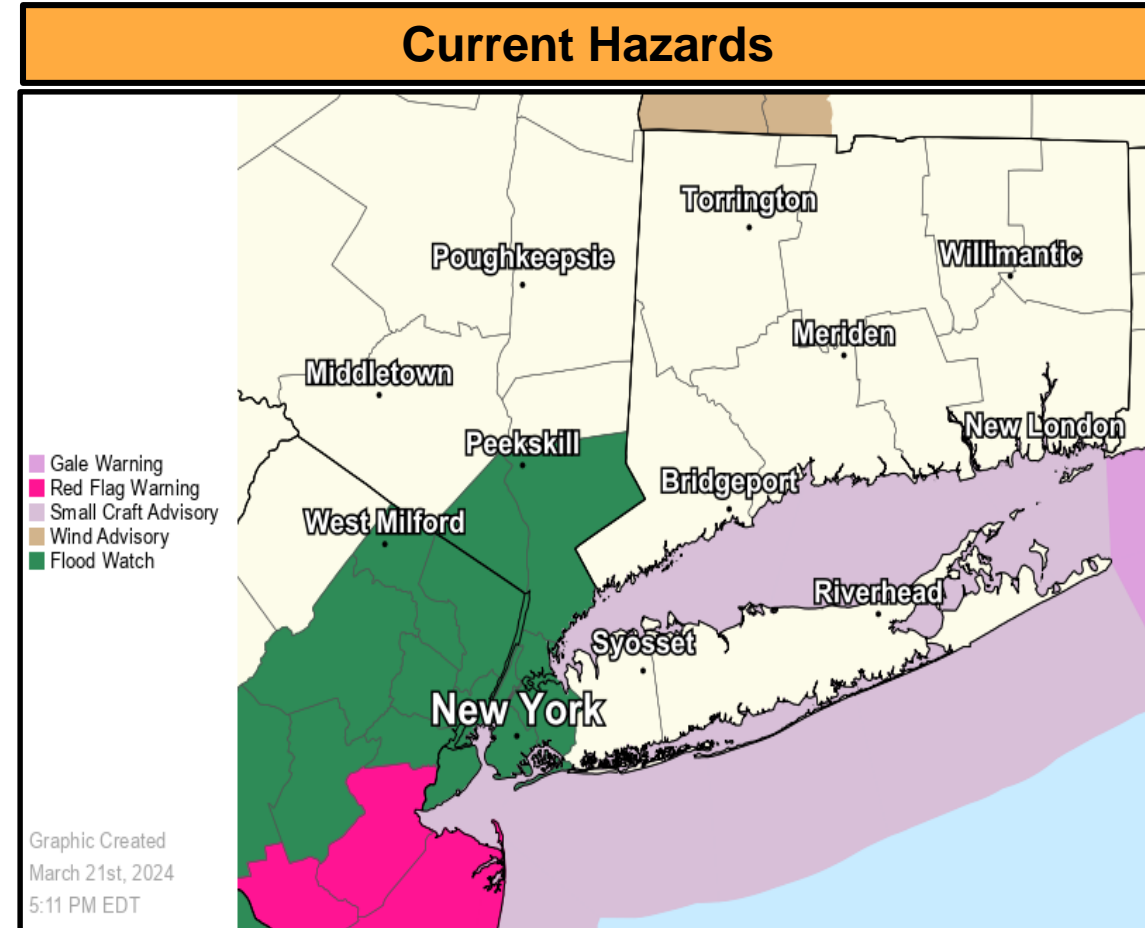
Decision Support Briefing #2

What Has Changed?...

- Heavy rain and flooding threat for Saturday is increasing.
- Flood Watch issued for NE NJ, NYC, Westchester and Rockland County for Saturday into Saturday night.

Key Messages...

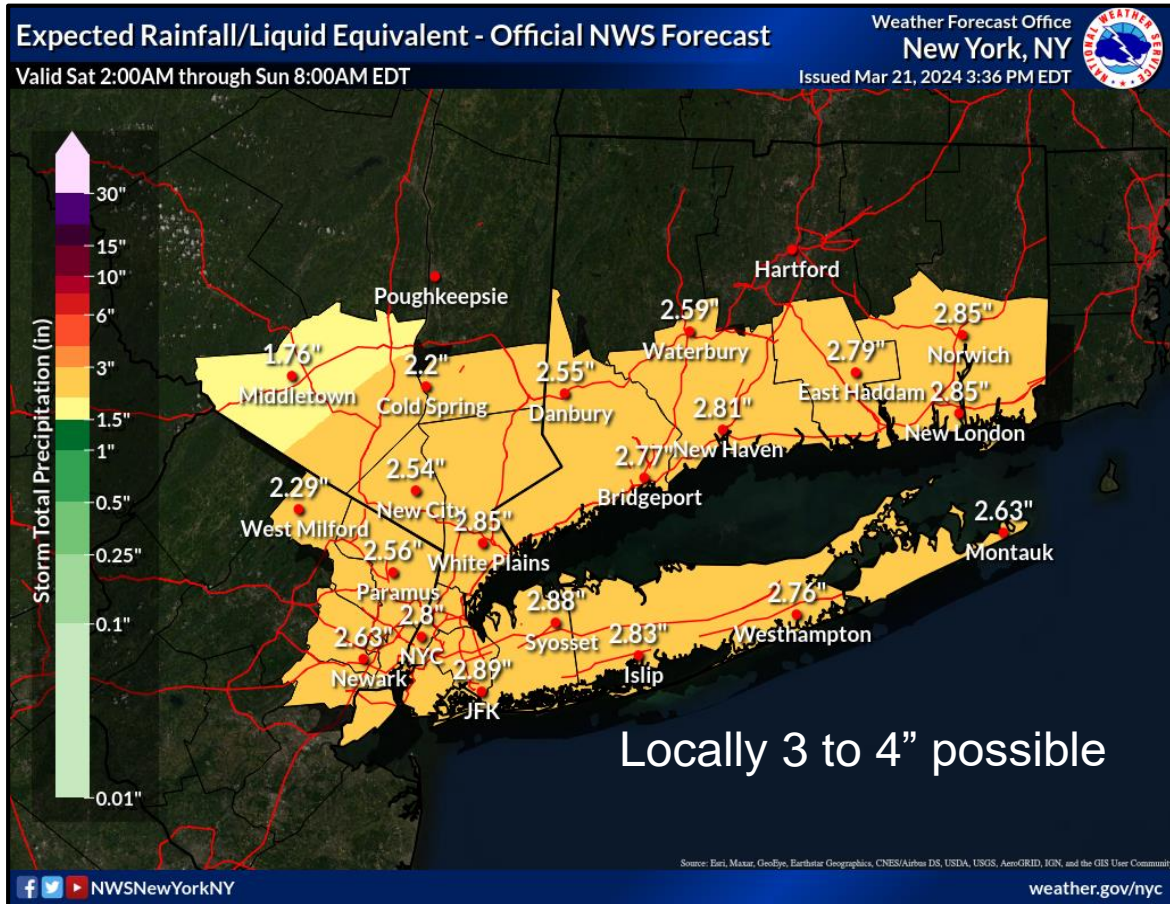
- ✓ Scattered to widespread minor urban and poor drainage flooding with a localized flash flood threat on Saturday.
- ✓ Minor flooding likely along a few to several quick responding small rivers and streams, particularly across NE NJ, Westchester and Rockland Counties. Localized moderate flooding possible in NE NJ if rainfall exceeds 2 ½" in 6-12 hours in NE NJ. River and stream flooding could extend into Saturday night with residual runoff.
- ✓ Beach flooding and scattered dune erosion possible during times of high tide Sat PM thru early next week. Overwashes not expected.
- ✓ No widespread coastal flooding issues expected thru this weekend.





Heavy Rain and Flood Potential Saturday

March 21, 2024
5:21 PM



Hazards:

- ✓ **Stormtotal Rainfall:** 2 ½ to 3\" 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 Fri Night 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 some rivers and streams. Any heavy rain Saturday night will be likely across Eastern Long Island and SE Connecticut.

Forecast Challenges:

- ✓ Potential development and location of a heavy rain axis of 3 to 4\", which will determine potential for moderate river flooding impacts. This part of the forecast, and potential river flood impacts, will be refined over the next 24 hours as the event is better resolved by high resolution models.
- ✓ 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.

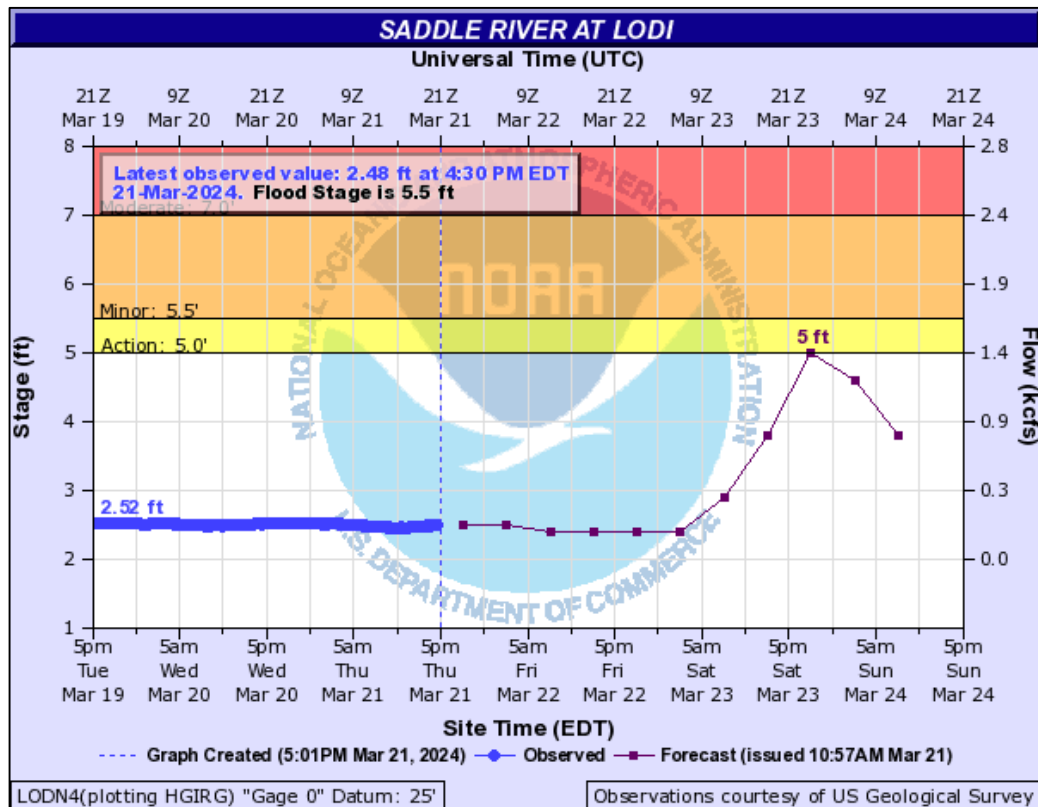




Northeast NJ River Flood Potential

March 21, 2024
5:21 PM

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](#).





Lower Hudson Valley River Flood Potential

March 21, 2024
5:21 PM

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](#).



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

National Weather Service
New York, NY



Contact and Next Briefing Information

March 21, 2024
5:21 PM

For NWS New York, NY County Warning Area



Webpage

✓ <https://www.weather.gov/okx>



Next Briefings

✓ By 6:00 AM Friday, March 22nd



Disclaimer

- ✓ Information contained in this briefing is time-sensitive
- ✓ Do not use after 6:00 AM Friday, March 22nd



Contact Information

Email

✓ okx.operations@noaa.gov

Facebook

✓ <http://www.facebook.com/NWSNewYorkNY>

Twitter

✓ <http://www.twitter.com/NWSNewYorkNY>



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

National Weather Service
New York, NY