Flooding Possible Sunday Afternoon into Monday

OVERVIEW

- A slow moving cold front will bring showers and thunderstorms on Sunday, mainly in the afternoon into Sunday night. These showers and thunderstorms may continue into a portion of Monday.

- Scattered to potentially widespread areas of flash flooding possible. Flashier small streams, rivers, and creeks could rise out of their banks.

HAZARDS & IMPACTS

- **Flash Flooding**: Scattered to potentially widespread areas of flash flooding. Minor flooding may occur in poor drainage and urban areas.
- **River Flooding**: Excessive runoff may result in flashier small streams, rivers, and creeks rising out of their banks, especially across northeast New Jersey, Lower Hudson Valley, and southern Connecticut.
- **Rainfall Rates**: 1 to 2 “/hr.
- **Severe Thunderstorms**: Isolated damaging wind gusts possible Sunday afternoon and evening across NYC metro on north and west.
- **Timing**: Sunday afternoon into Sunday night from Hudson River west and Sunday night into potentially early Monday afternoon across Southern Connecticut.

NWS ALERTS

- **Flood Watch** for Lower Hudson Valley, Northeast New Jersey and NYC metro from 2 pm Sunday through 6 am Monday.
- **Flood Watch** for Southern Connecticut from 8 pm Sunday through 2 pm Monday.

FORECAST CHALLENGES

- A flood watch may be needed for Long Island if the heavy rainfall/flooding threat increases there.
- The exact timing and location of the heaviest rainfall, which could enhance amounts and flooding.
- If the front is slower, the risk of flooding would continue across more of the area on Monday.

NEXT BRIEF

- By 6AM Sunday.
Excessive Rainfall/Flash Flood Outlook Sunday

New York, NY
WEATHER FORECAST OFFICE
ISSUED: 7/8/2023 5:01 PM
www.weather.gov/nyc

Excessive Rainfall/Flash Flood Outlook Sunday, July 09, 2023

Understanding WPC Excessive Rainfall Risk Categories

<table>
<thead>
<tr>
<th>No Area/Label</th>
<th>MARGINAL (MRGL)</th>
<th>SLIGHT (SLGT)</th>
<th>MODERATE (MDT)</th>
<th>HIGH (HIGH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash floods are generally not expected.</td>
<td>Isolated flash floods possible</td>
<td>Scattered flash floods possible</td>
<td>Numerous flash floods likely</td>
<td>Widespread flash floods expected</td>
</tr>
<tr>
<td>Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.</td>
<td>Mostly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.</td>
<td>Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.</td>
<td>Severe, widespread flash flooding. Areas that don’t normally experience flash flooding could. Lives and property in greater danger.</td>
<td></td>
</tr>
</tbody>
</table>

Probability of excessive rainfall leading to rapid onset flooding.*

- High Risk At least 70%
- Moderate Risk At least 40%
- Slight Risk At least 15%
- Marginal Risk At least 5%

*Within 25 miles of a point. May not represent localized flooding threat over burn scars.
Excessive Rainfall/Flash Flood Outlook Monday

Understanding WPC Excessive Rainfall Risk Categories

- **No Area/Label**: Flash floods are generally not expected.
- **MARGINAL (MRGL)**: Isolated flash floods possible. Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.
- **SLIGHT (SLGT)**: Scattered flash floods possible. Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.
- **MODERATE (MDT)**: Numerous flash flooding events likely. Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.
- **HIGH (HIGH)**: Widespread flash floods expected. Severe, widespread flash flooding. Areas that don’t normally experience flash flooding, could. Lives and property in greater danger.

*Probability of excessive rainfall leading to rapid onset flooding.*

- High Risk: At least 70%
- Moderate Risk: At least 40%
- Slight Risk: At least 15%
- Marginal Risk: At least 5%

*Within 25 miles of a point. May not represent localized flooding threat over burn scars.

New York, NY
WEATHER FORECAST OFFICE

Excessive Rainfall/Flash Flood Outlook Monday, July 10, 2023

Day 3
Issued Time: 2023-07-08 18:53:00
Valid Time: 12Z 07/10/23 - 12Z 07/11/23

www.weather.gov/nyc
Isolated Severe Thunderstorm Threat

Understanding Severe Thunderstorm Risk Categories

1 - MARGINAL (MRGL)
- No severe* thunderstorms expected
- Lightning/flooding threats exist with all thunderstorms
- Isolated severe thunderstorms possible
- Limited in duration and/or coverage and/or intensity

2 - SLIGHT (SLGT)
- Scattered severe storms possible
- Short-lived and/or not widespread, isolated intense storms possible

3 - ENHANCED (ENH)
- Numerous severe storms likely
- More persistent and/or widespread, a few intense

4 - MODERATE (MDT)
- Widespread severe storms likely
- Long-lived, widespread and intense

5 - HIGH (HIGH)
- Widespread severe storms expected
- 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.