Flooding and Flash Flooding
Wednesday through Thursday

Decision Support Briefing #2
As of: 6 PM, Monday, August 30, 2021

What Has Changed?
✓ Flash Flood Watch expanded southward.
# Main Points

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<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
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<tr>
<td><strong>Flash Flooding</strong></td>
<td>Flooding of creeks, streams, urban areas, and poor drainage areas. Water likely to cover roads, especially in low lying areas.</td>
<td>Eastern Pennsylvania, and northern New Jersey.</td>
<td>From Wednesday afternoon through Thursday night.</td>
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<tr>
<td><strong>Flash Flooding</strong></td>
<td>Some flooding of creeks, streams, urban areas, and poor drainage areas. Water likely to cover roads, especially in low lying areas.</td>
<td>Southern New Jersey, Delaware and the eastern shores of Maryland.</td>
<td>From Wednesday afternoon through Thursday night.</td>
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<td><strong>River Flooding</strong></td>
<td>Moderate to major flooding possible along some main stem rivers. Roads and structures near these rivers flooded.</td>
<td>Eastern Pennsylvania and New Jersey.</td>
<td>Starting Wednesday afternoon and possibly lasting into the weekend.</td>
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<td><strong>Severe Threat</strong></td>
<td>Strong to severe thunderstorms possible, mainly over southern NJ &amp; Delmarva. Wind gusts may bring down some trees due to the saturated ground. Localized power outages possible.</td>
<td>SE Pennsylvania, New Jersey, Delaware, and the eastern shores of Maryland.</td>
<td>Wednesday afternoon and Wednesday night.</td>
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</table>
Summary of Greatest Impacts

Flash Flooding: N NJ, SE PA, including Philadelphia
- None
- Limited
- Elevated
- Significant
- Extreme

River Flooding: NJ and SE PA
- None
- Limited
- Elevated
- Significant
- Extreme

Flash Flooding: S NJ, DE, Eastern shores of MD
- None
- Limited
- Elevated
- Significant
- Extreme

Strong to Severe T-storms: Entire Forecast Area
- None
- Limited
- Elevated
- Significant
- Extreme
Convective Weather Outlook

Severe Weather Outlook
Wednesday, September 01, 2021

Understanding Severe Thunderstorm Risk Categories

- **THUNDERSTORMS** (no label)
  - No severe thunderstorms expected
  - Lightning/flooding threats exist with all thunderstorms

- **1 - MARGINAL (MRGL)**
  - 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 expected
  - Long-lived, widespread and intense

- **5 - HIGH (HIGH)**
  - Widespread severe storms and tornadoes 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.
Rainfall Amounts
The remnant low of Ida will pass through the region on Wednesday, the depart Thursday morning.

Widespread rainfall of 2 to 5 inches, with locally higher amounts possible, from Tuesday night through Thursday across the region, with the highest amounts from the I-95 corridor north and west.

Significant flooding and flash flooding is probable Wednesday and Wednesday night, especially given that the ground is saturated from recent heavy rain events.

Significant river flooding is probable for some main stem rivers, creeks, and streams starting Wednesday afternoon, and possibly lasting through the weekend.

Impacts will depend on the placement of the heaviest rain axis, along with the potential for excessive hourly rainfall rates.

Some severe thunderstorms are possible, mainly across southern NJ and Delmarva. Even non-severe thunderstorms could result in some downed trees due to the saturated ground. Localized power outages are possible.
Contact and Next Briefing Information

Next Briefing
When: 6 AM, Tuesday, August 31, 2021

Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf

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