



# TROPICAL DEPRESSION IDA BRIEFING

5:00 PM EDT

Monday, August 30, 2021

What has changed: Updated rainfall totals & river forecasts

Next Briefing: Tuesday, August 31, at 6am EDT

*Disclaimer: The information contained within is time-sensitive. Do not use after 6:00am EDT Tuesday.*



# Situation Overview

Tropical Depression Ida

- Heavy rainfall associated with Ida will result in a considerable risk of flash (rapid-onset) and river flooding Wednesday into Thursday.
- Widespread rainfall totals of 3-5" are expected across south-central PA with locally-higher amounts up to 7" possible.
- Several streams and creeks are expected to experience minor to moderate flooding, with a few locations possibly cresting above major flood stage late Thursday into Friday.
- No wind impacts are expected; tornado threat is very limited and confined to only extreme southern Pennsylvania and areas farther south.



# Situation Overview

Tropical Depression Ida

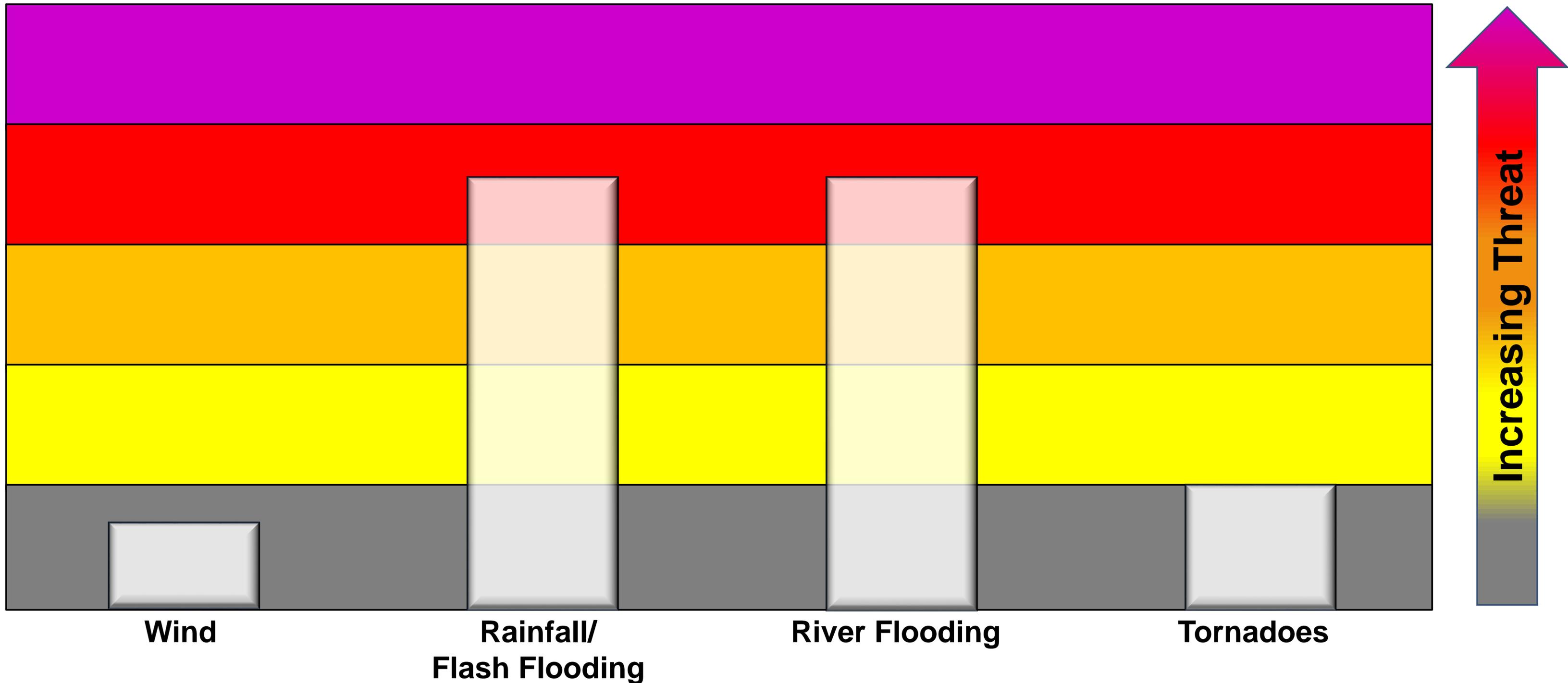
Hazard	Impacts	Location	Timing
 <p data-bbox="376 802 613 921"><b>Flooding Rain</b></p>	<p data-bbox="669 737 1652 990"><b>Heavy rainfall with rates &gt;1” per hour over several hours may result in rapid-onset urban and small stream flooding</b></p>	<p data-bbox="1712 765 2568 953"><b>All of Central PA, highest rainfall totals primarily along and south of I-80</b></p>	<p data-bbox="2712 802 3178 924"><b>Wednesday and Wednesday night</b></p>
 <p data-bbox="376 1225 613 1346"><b>River Flooding</b></p>	<p data-bbox="669 1159 1652 1412"><b>Widespread rainfall totals of 3-5” with locally-higher amounts up to 7” will result in inundation flooding with adjacent road closures</b></p>	<p data-bbox="1712 1131 2568 1440"><b>Several-foot rises in all basins, with minor to moderate flooding in several small streams and tributaries; Major flooding possible in a few locations</b></p>	<p data-bbox="2658 1196 3235 1375"><b>Rivers begin rising Wednesday and crest Thursday - Friday</b></p>



# Threat Levels

Tropical Depression Ida

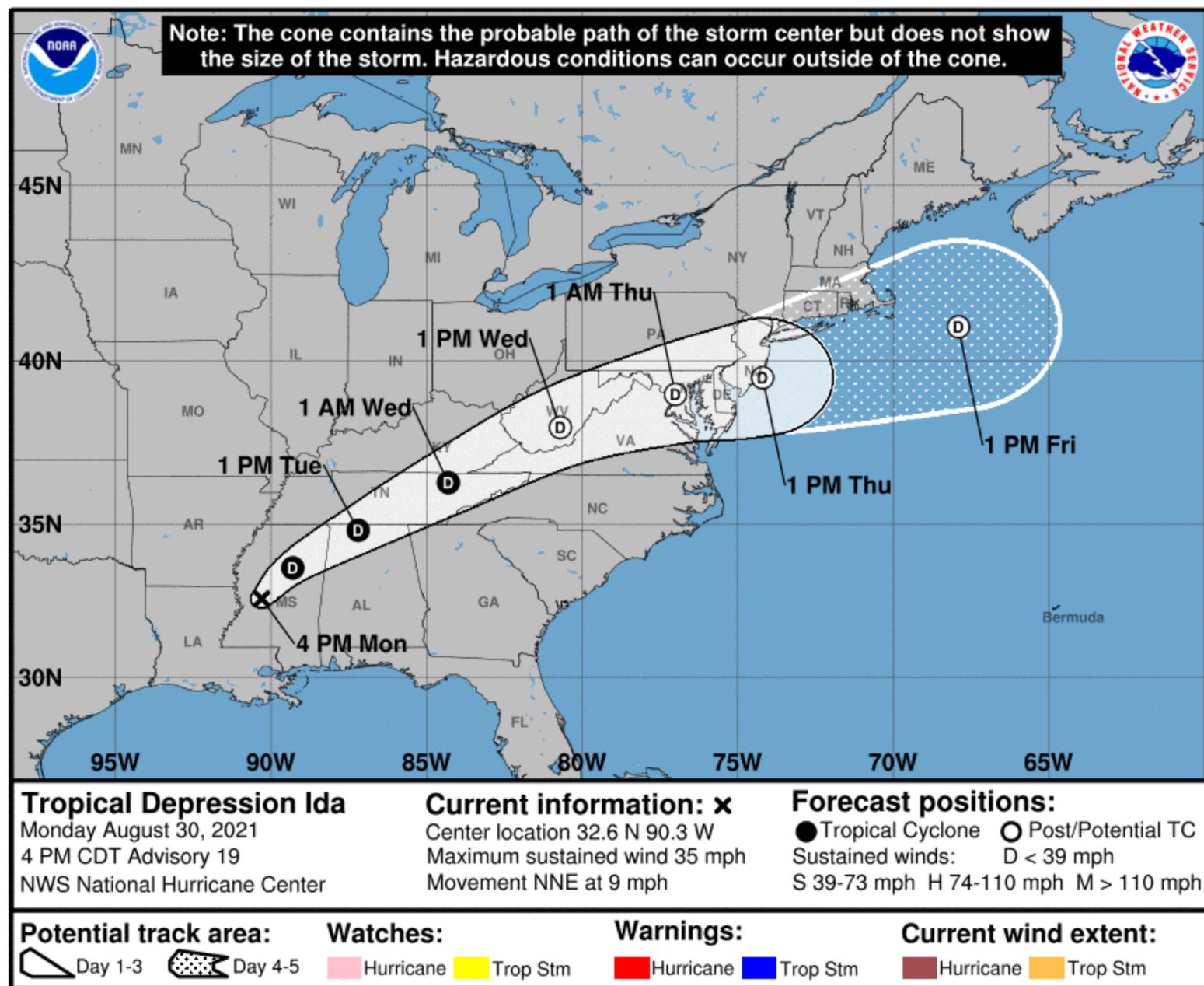
For information on specific hazards in this area, please go to <https://www.weather.gov/ctp/tropical>





# Situation Overview

## Tropical Depression Ida



- Ida is forecast to move northeast through the Tennessee Valley on Tuesday and track to the south of Pennsylvania Wednesday night into Thursday morning.
- Significant rainfall accumulations are forecast with a considerable risk of flooding impacts focused over south-central Pennsylvania.
- Rain will arrive in southwest PA late Tuesday night and exit eastern PA by Thursday morning.

**NOTE:** Do not focus on the exact track.  
 Impacts can occur well outside the area enclosed by the cone.



# Flood Watches/Warnings/Advisories

Tropical Depression Ida

-  = Flash Flood Warning
-  = Flood Watch
-  = Flood Warning
-  = Flood Advisory

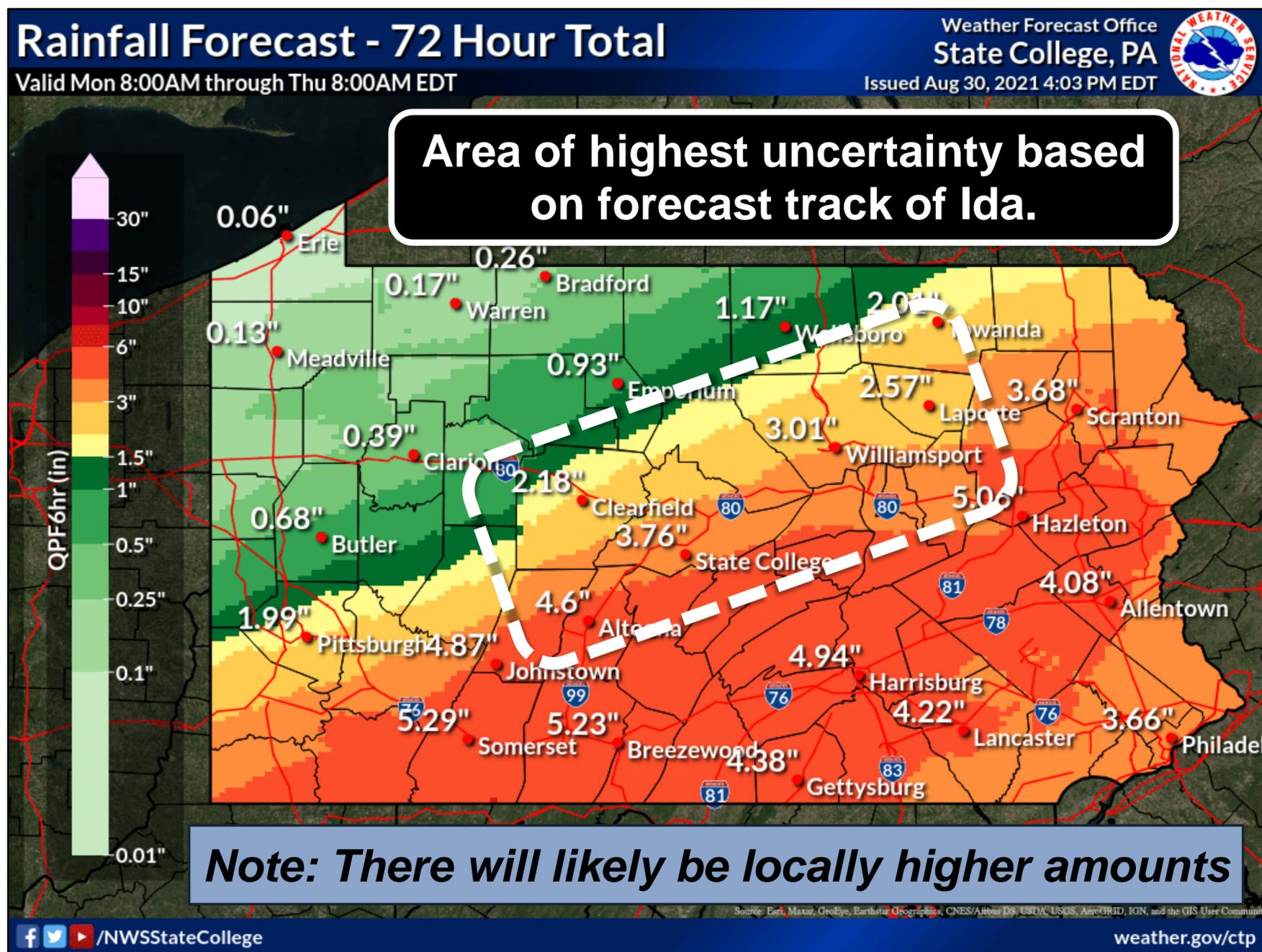


- Flash Flood Watch issued for a portion of central Pennsylvania
- Valid from 8AM Wednesday to 8AM Thursday
- Considerable river flooding also possible.



# Expected Storm Total Rainfall

Tropical Depression Ida

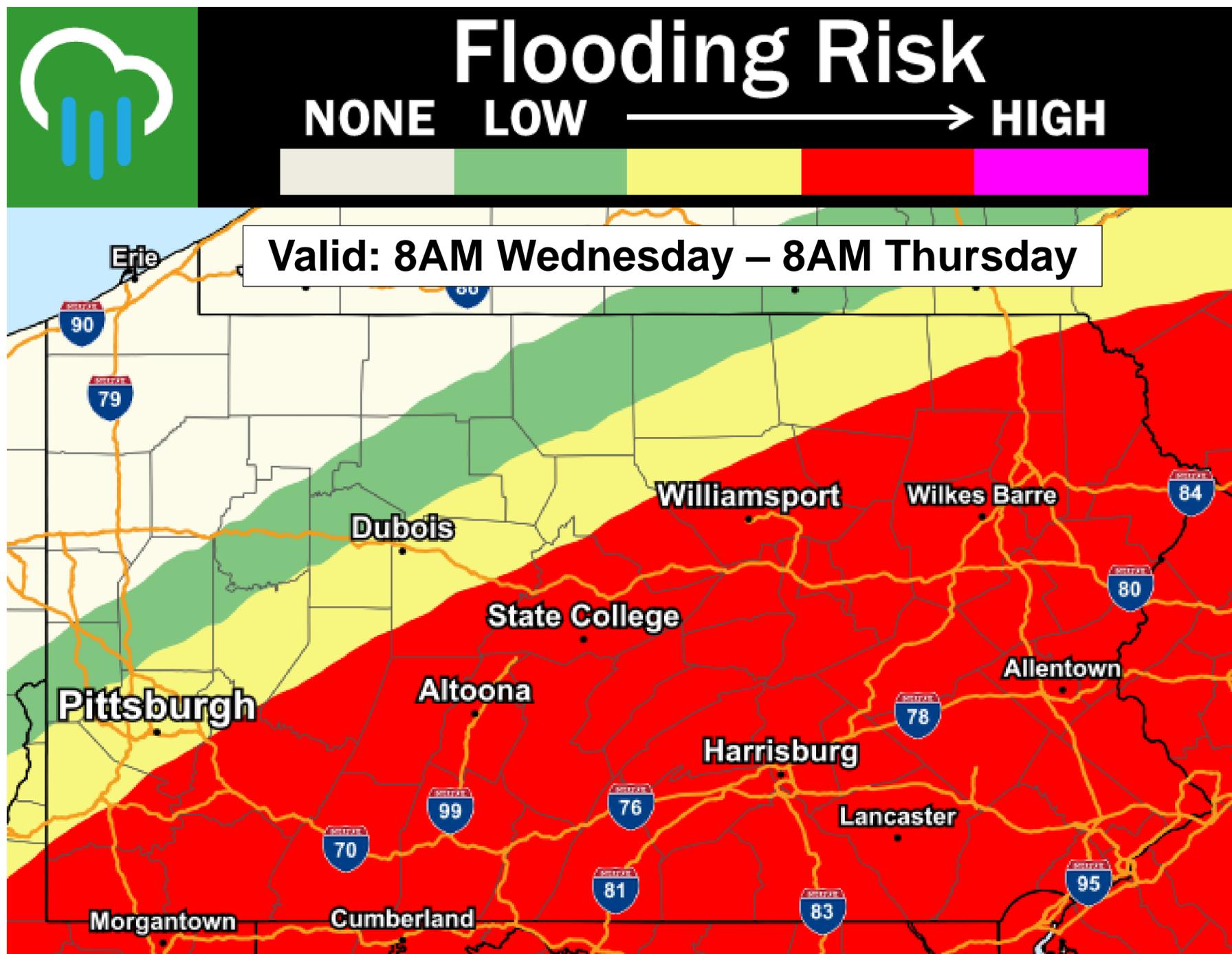


- Rainfall totals of 3-5+ inches are forecast late Tuesday night through early Thursday morning for most of central and southern PA.
- Locally higher amounts up to 7" are possible across the southern tier of central PA.
- The heaviest rainfall is expected Wednesday-Wednesday night.
- There will be a tight gradient on the northern edge of the rainfall footprint.



# Excessive Rainfall Outlook

Tropical Depression Ida

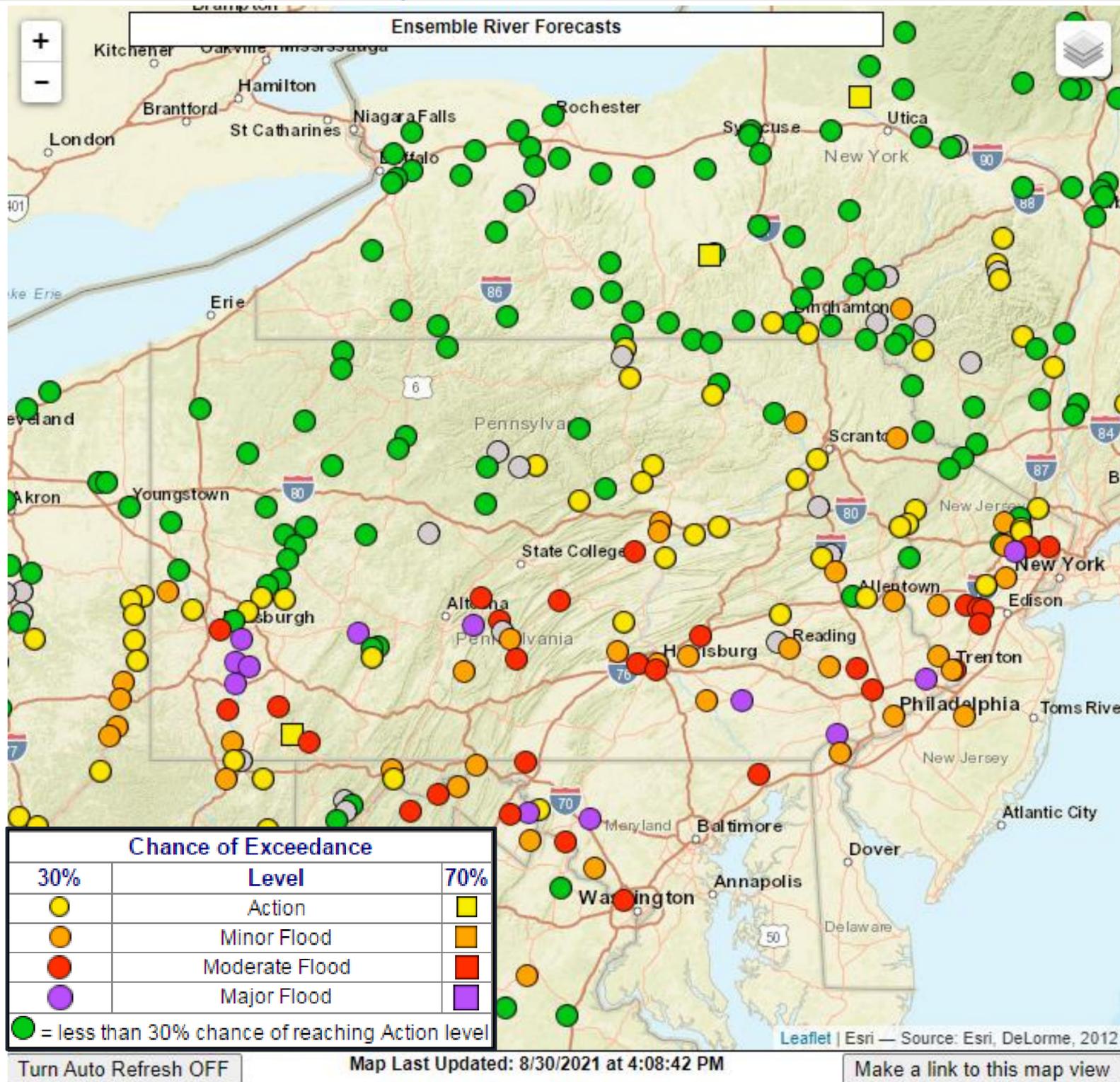


- Areas highlighted in red have the greatest risk for flash (rapid-onset) flooding on Wednesday.
- The risk area has shifted slightly northward compared to previous forecasts.
- Urban areas and faster-responding small streams will be the most vulnerable to flash flooding issues.



# Potential for River Flooding

Tropical Depression Ida



- Widespread several foot rises on rivers and creeks expected this week, resulting in minor to moderate flooding along many small streams and tributaries. Major flooding may occur in a few locations.
- Rivers will crest late Thursday – Friday and then fall through the weekend.
- River points highlighted yellow, orange, red, and purple (left) may crest at action, minor, moderate, and major flood stage respectively.

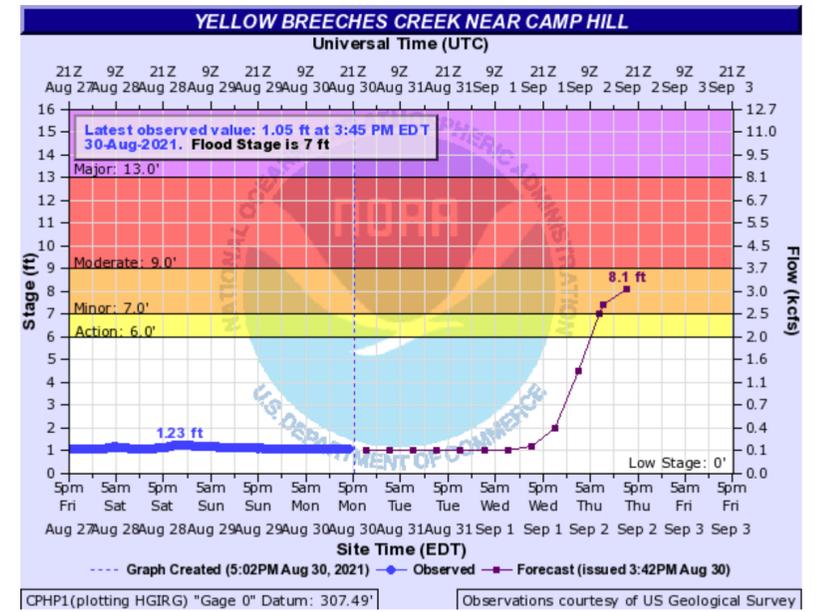
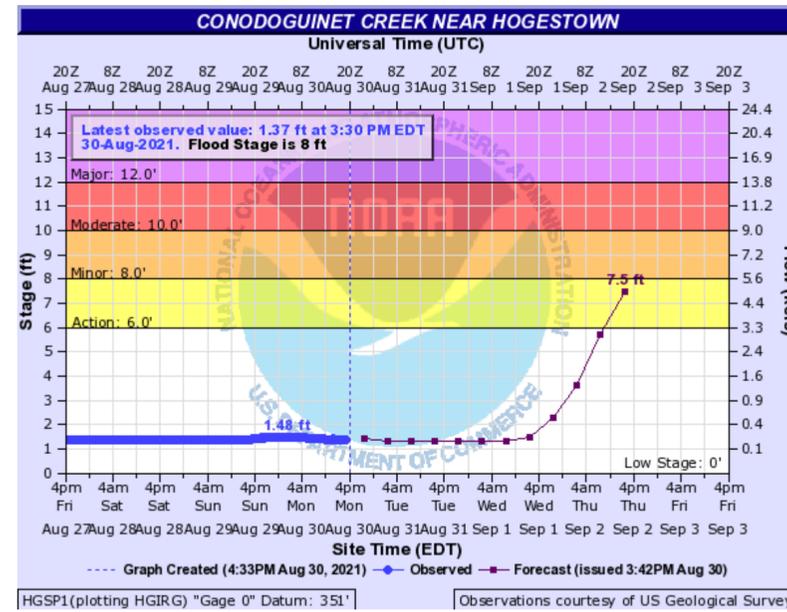
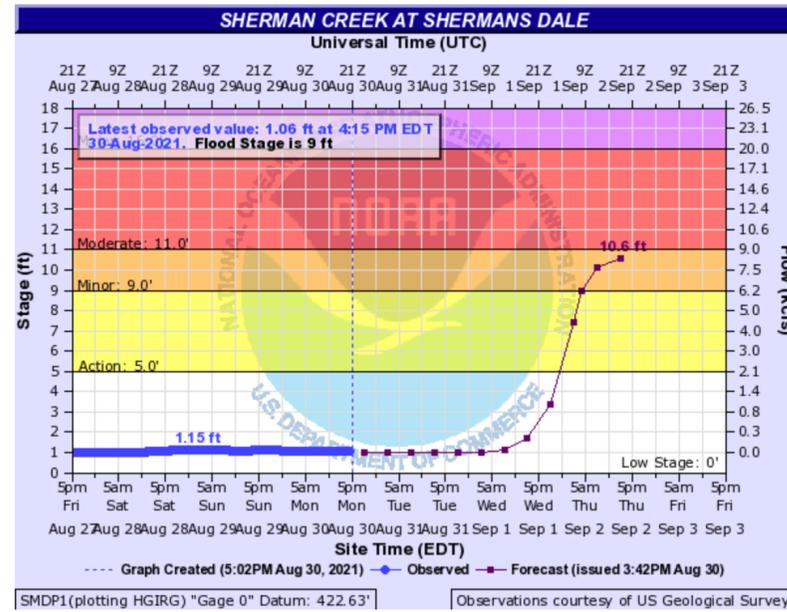
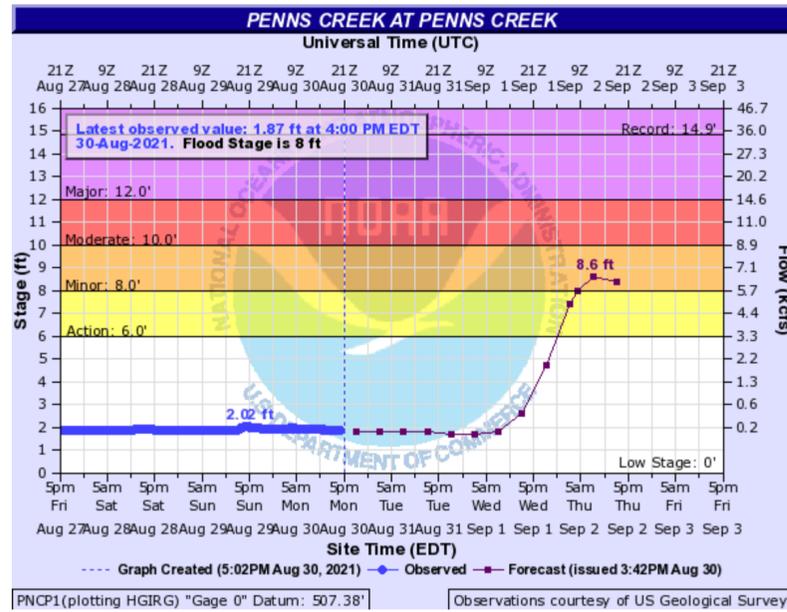
Click [here](#) for the latest river forecasts



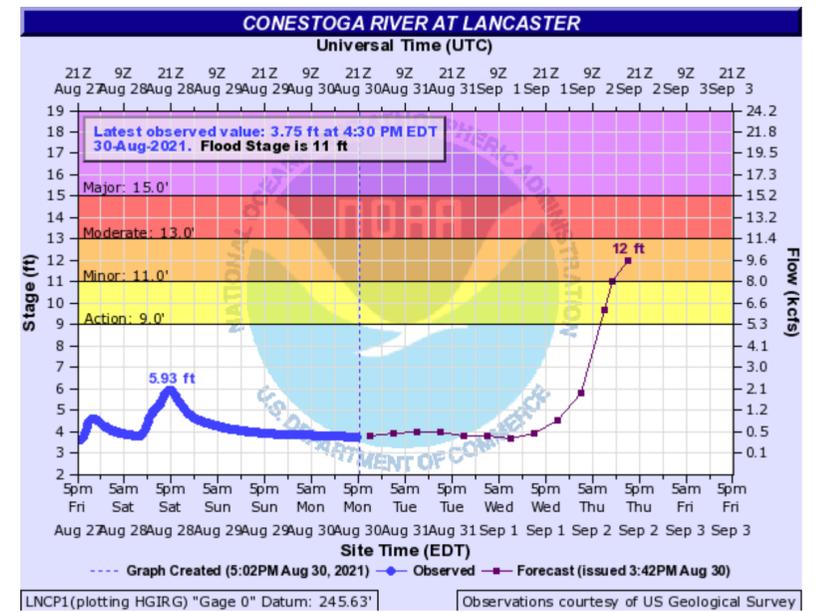
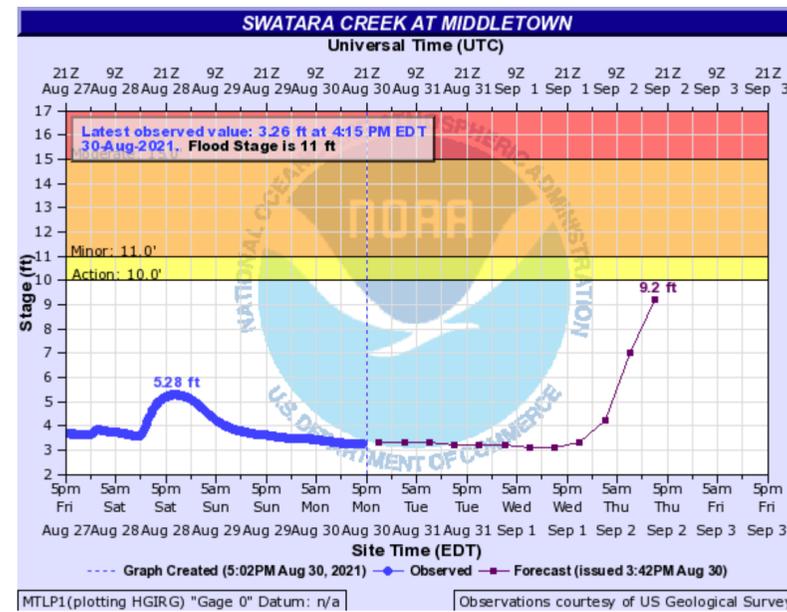
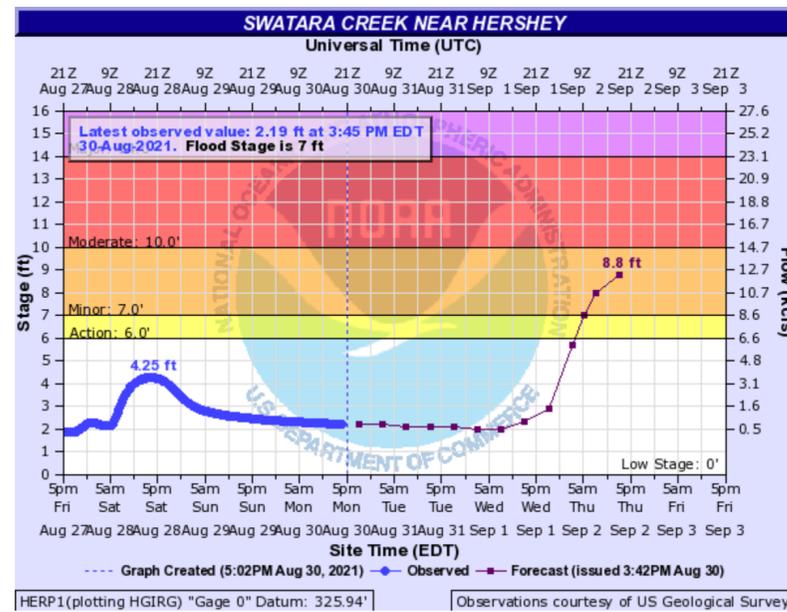
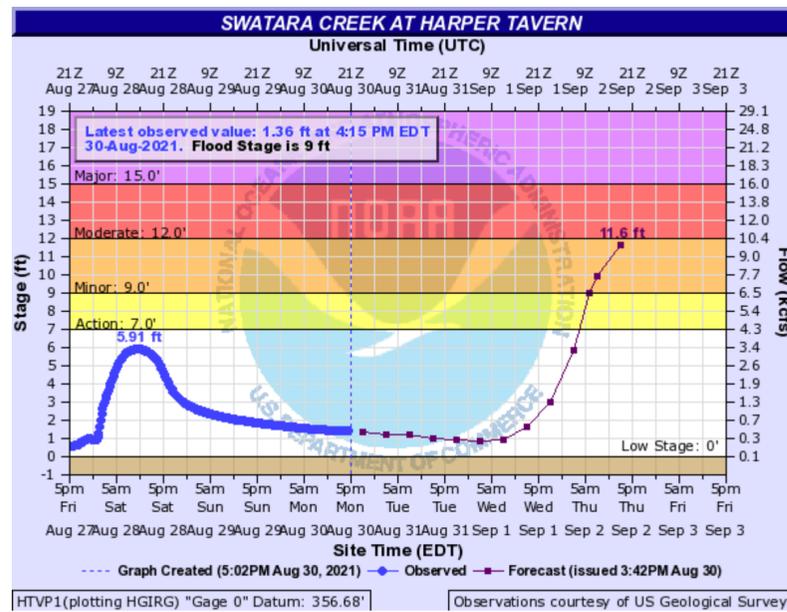
# River Forecasts

Tropical Depression Ida

NOTE: Crests will likely occur beyond the current forecast timeframe.



Click on image to see current river stage and forecast



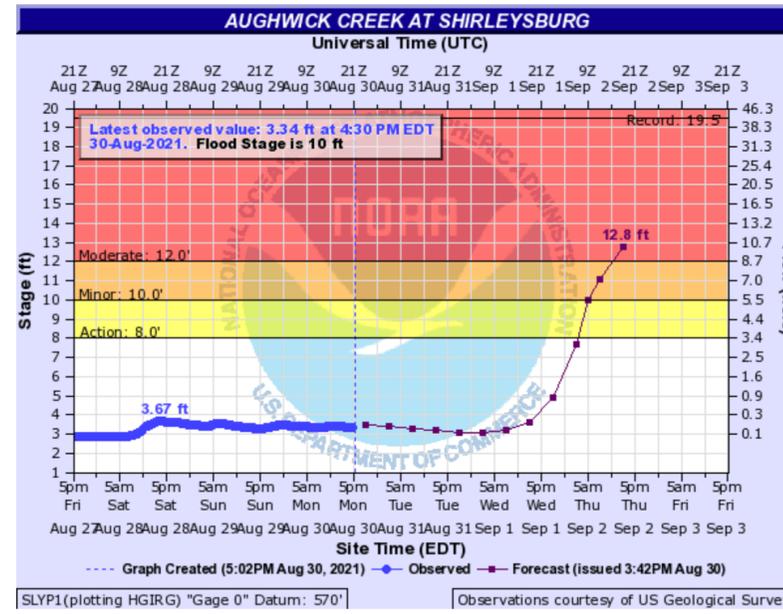
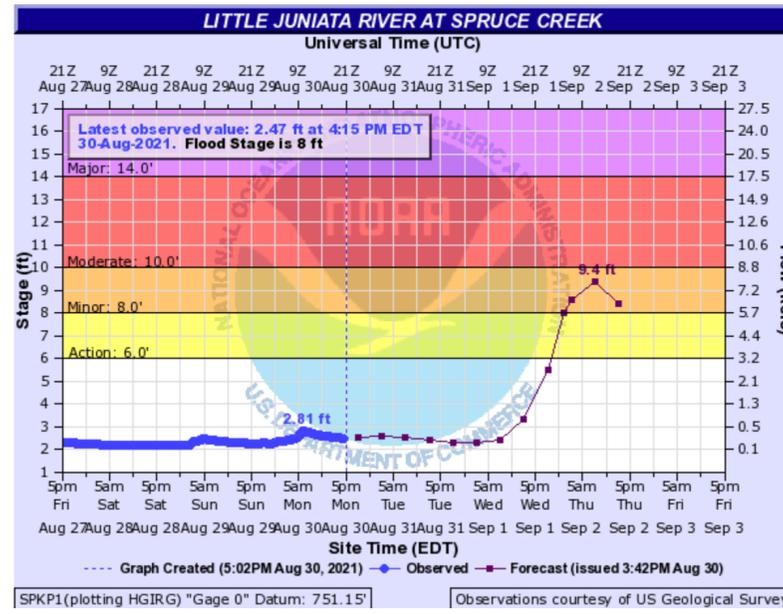
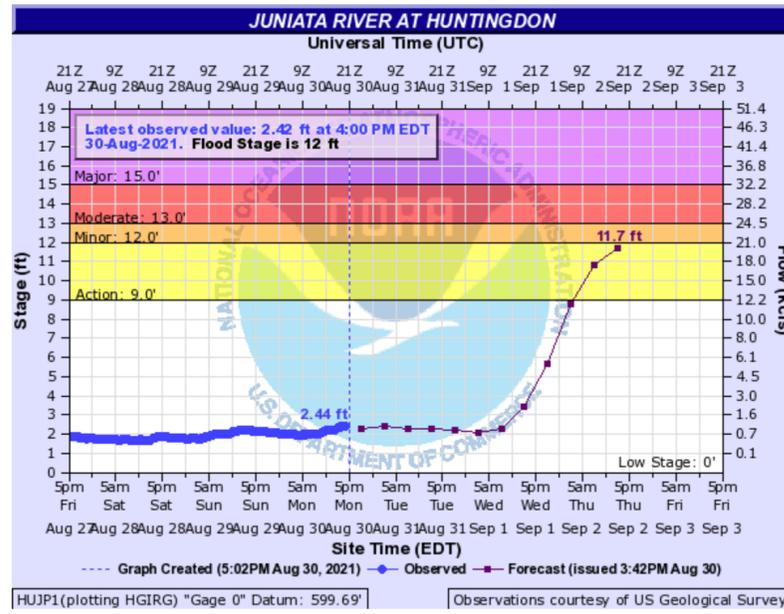
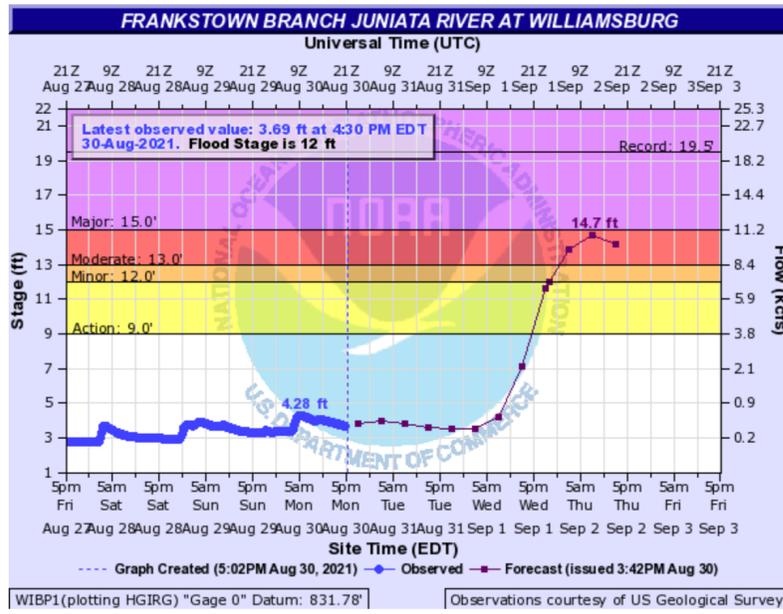
## Lower Susquehanna River Basin Tributaries



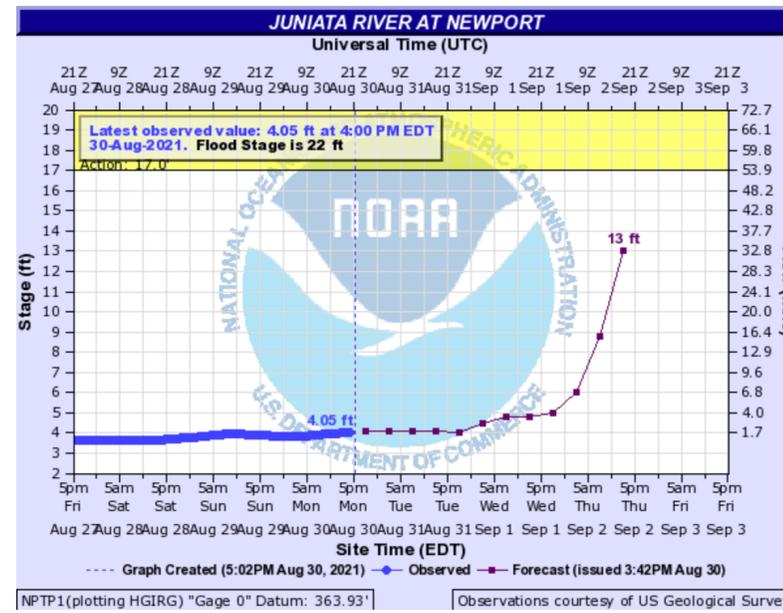
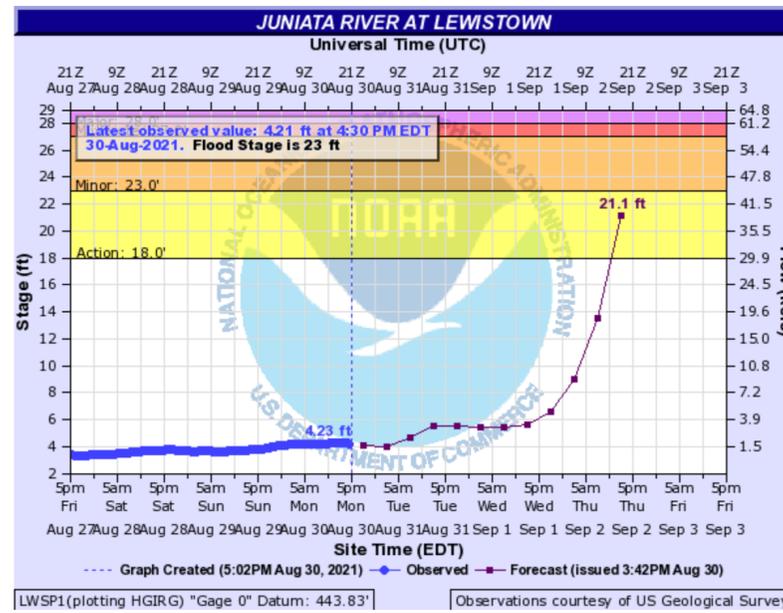
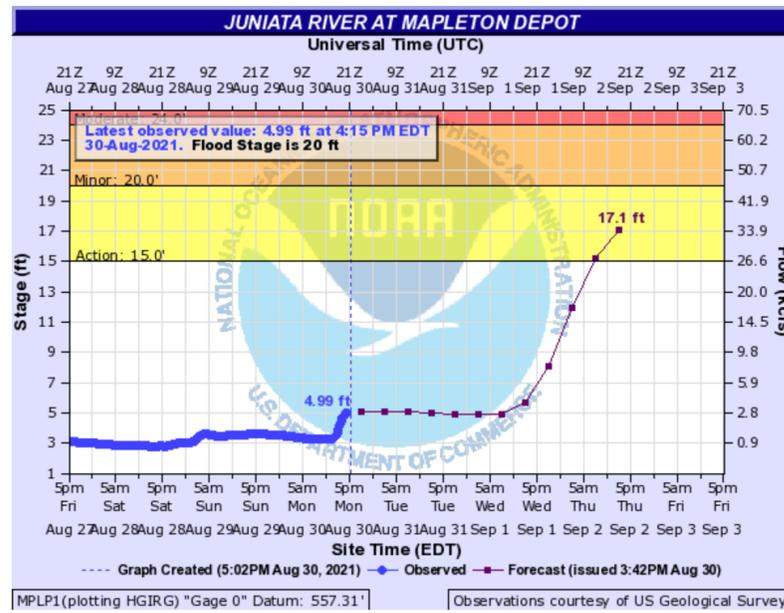
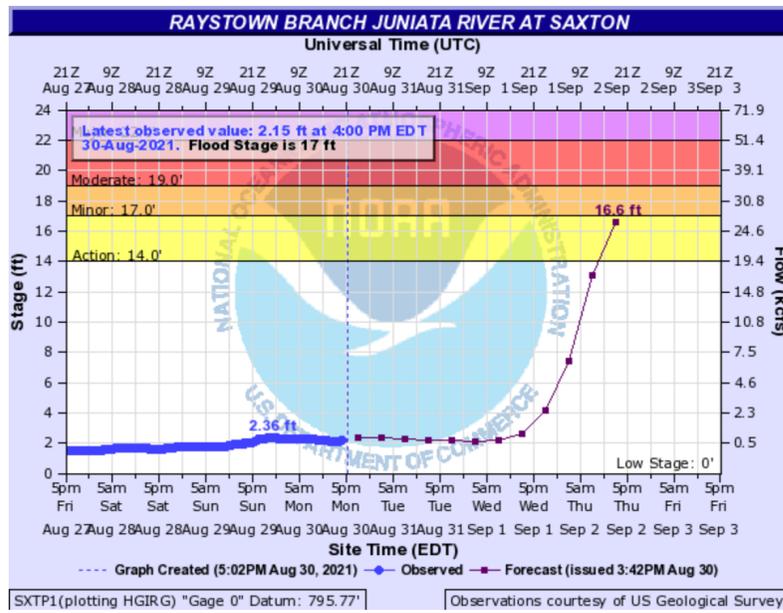
# River Forecasts

Tropical Depression Ida

NOTE: Crests will likely occur beyond the current forecast timeframe.



Click on image to see current river stage and forecast



## Juniata River Basin



# Key Take-Aways

Tropical Depression Ida

Confidence is HIGH that the event will occur  
Confidence is MODERATE regarding impacts



Heavy rainfall with accumulations of 3-5"+ are expected, especially along and south of I-80. Local amounts of up to 7" are possible. The highest uncertainty exists along the I-80 corridor, where a slight shift in the track of Ida may result in higher/lower totals and thus greater/less flood risk.



Flash flooding likely Wednesday and Wednesday night as heavy rainfall associated with the remnants of Ida track to the south of Pennsylvania.



Considerable river flooding is also expected. Minor to moderate river flooding expected along small streams and tributaries. Major flooding cannot be ruled out in a few locations.



# Next Briefing: By Tuesday at 6:00 AM EDT Method: Email

EMs: check your email for info about a webinar at 1PM Tuesday.

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