

Remnants of Ida **RIVER BRIEFING** MAJOR FLOODING FORECAST 11:30 am Wednesday, September 1, 2021

Disclaimer: The information contained within is time-sensitive. Do not use after 8:00pm EDT Wednesday.

National Weather Service

Mid-Atlantic River Forecast Center

What has changed: Rainfall amounts and flood levels increasing Next Briefing: Thursday, Noon





EATHER SER	Situatio	n Overview
· + N + + + 3 S	Remnants of Ic	la
Riv	er Flooding	

from Western Mary Potomac, Juniata, Susque	Location
4-6 inches of rain is fo Major Flooding is forecast at seve Widespre	Impacts
Ra Rivers are risin	Timing
Confidence Exact river levels that will be rea	Confidence

Impacts

yland, across southern Pennsylvania into New Jersey Jehanna tributaries, Schuylkill, Passaic, Raritan river basins

orecast; localized amounts of 8 inches or more possible eral locations throughout the region - some locations may approach record flood levels

ead Minor to Moderate flooding is expected

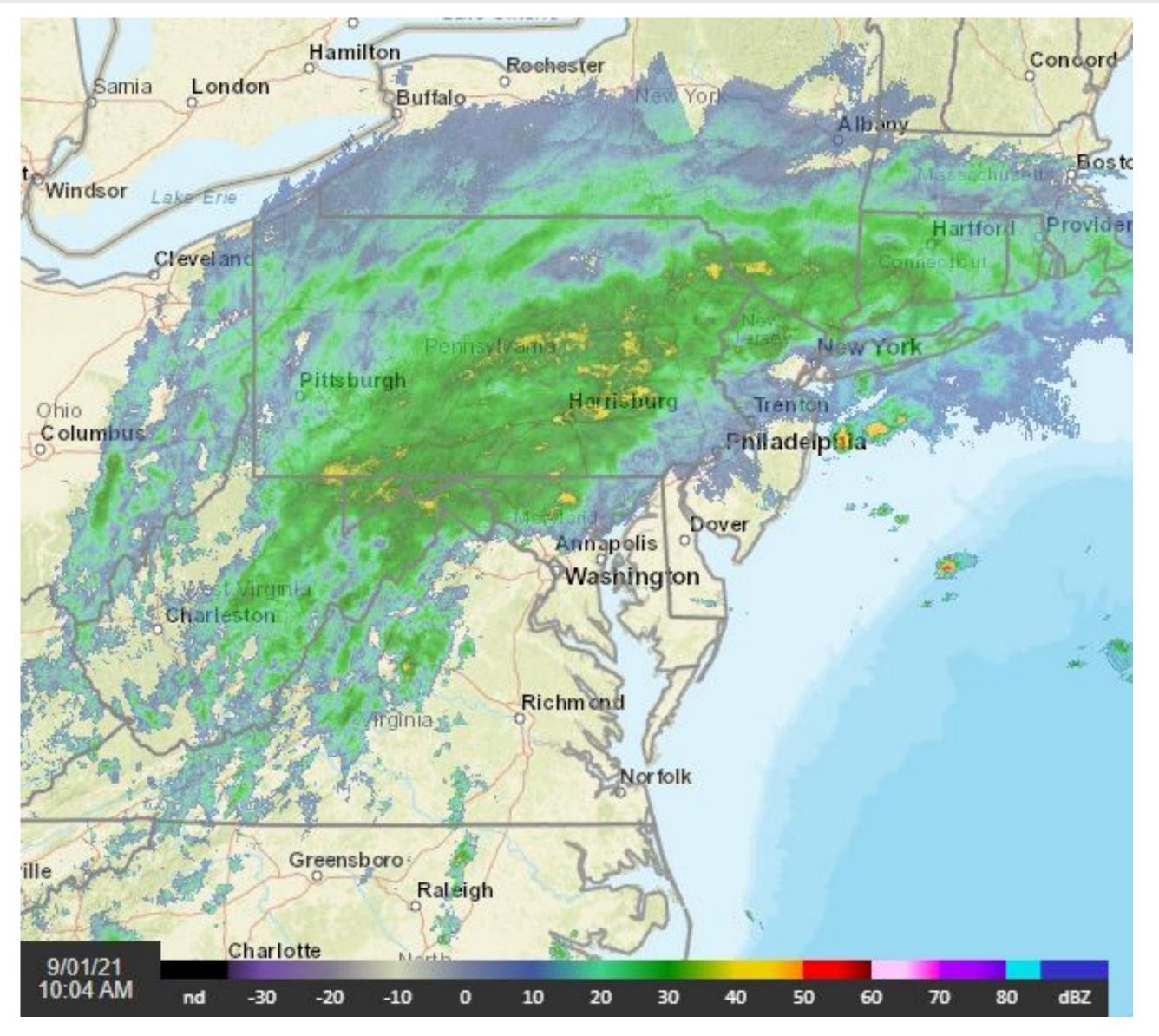
ainfall ongoing - lasts into Thursday ng, generally cresting late Wednesday into Friday

e is increasing regarding regions of flooding ached is less confident depending on precise locations of heaviest rains





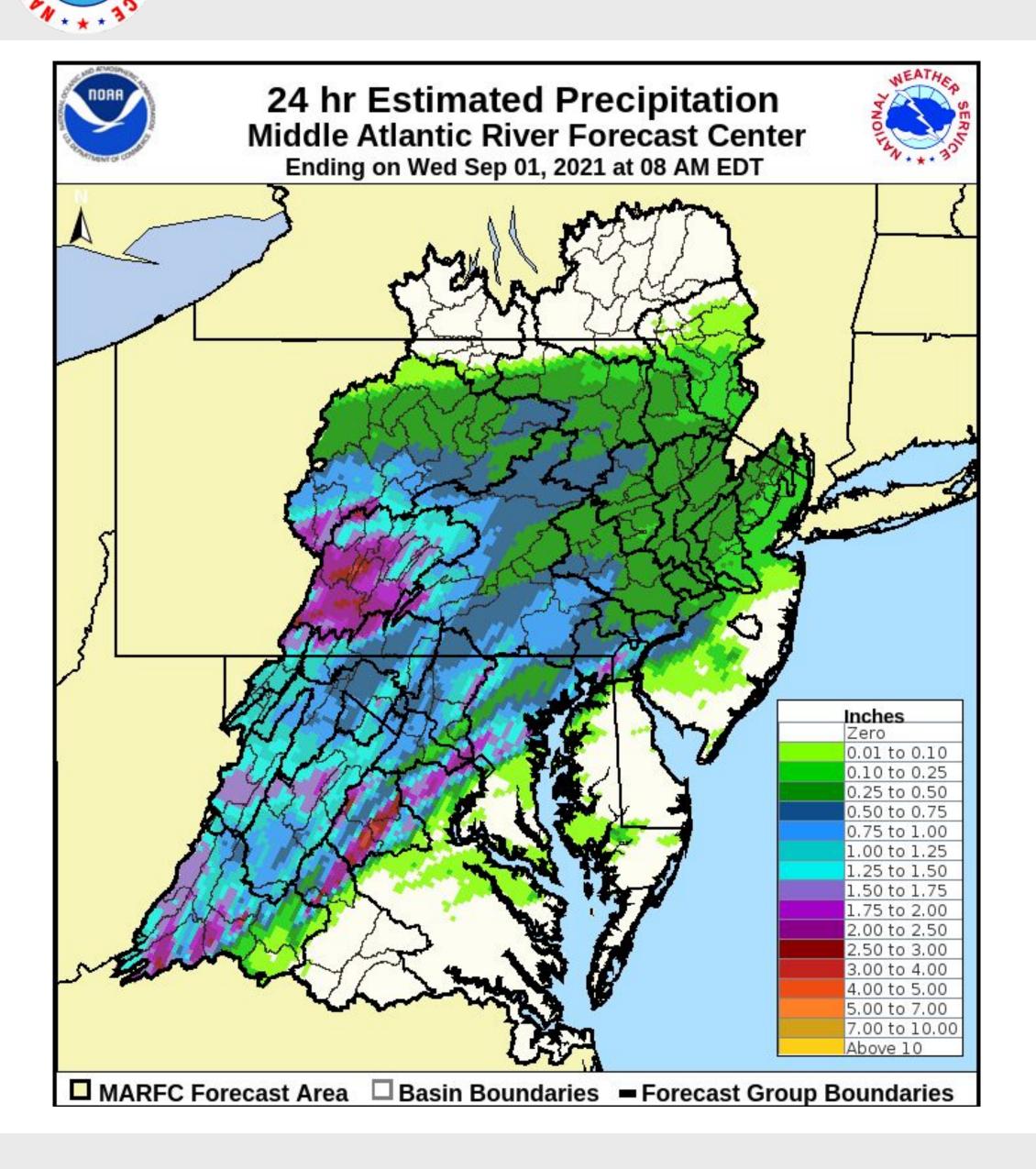
10:00am Radar View



As of 10:00 this morning, rain extended over much of the Mid-Atlantic and had been falling since Tuesday evening



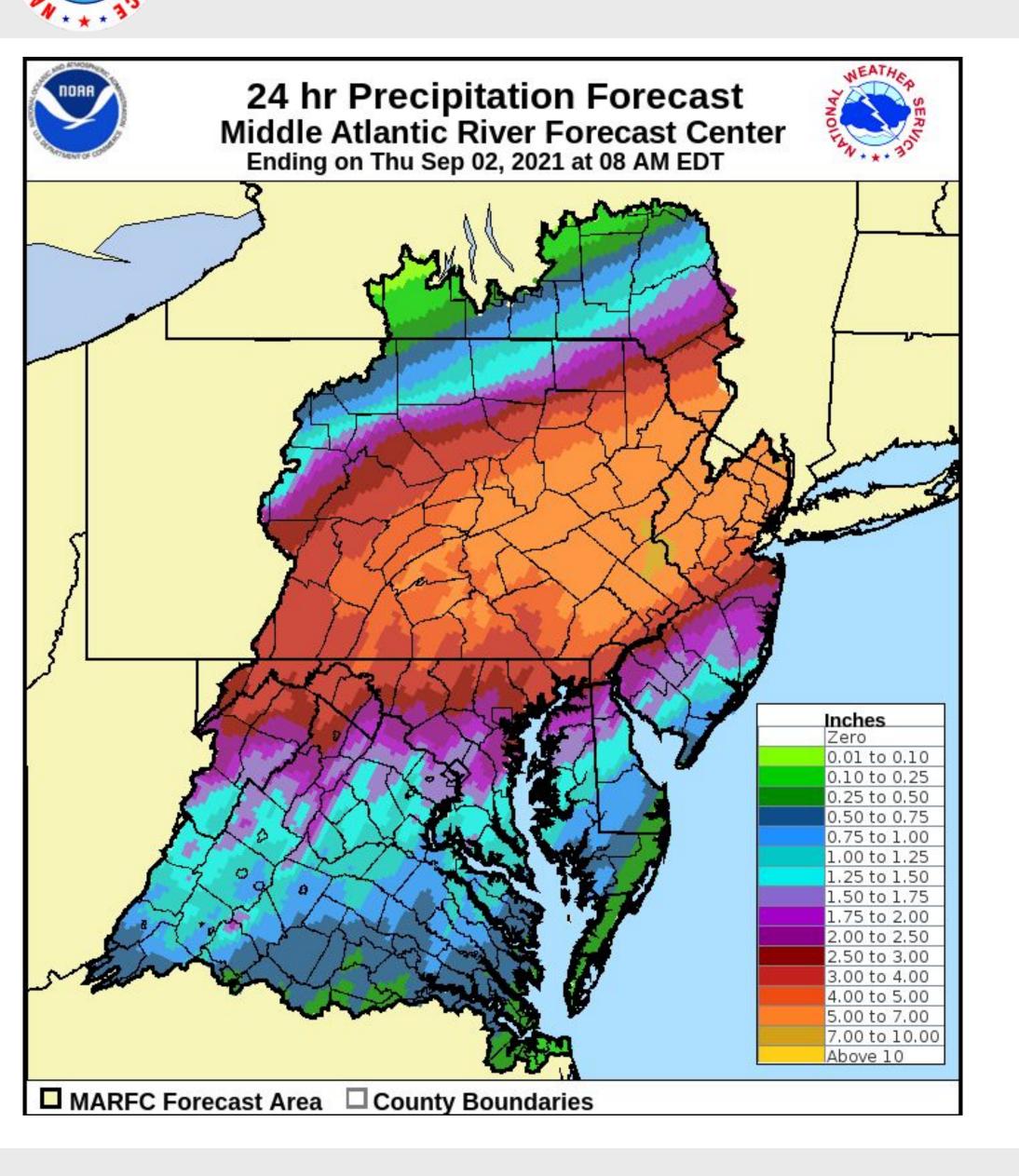
Observed Rainfall as of 8am



- Rain moved into the area last evening
- Up to about 3 inches of rain has already fallen in spots
- Particularly hard hit has been the Juniata basin as well as a narrow band in central Virginia



Expected Rainfall - Wednesday Morning - Thursday



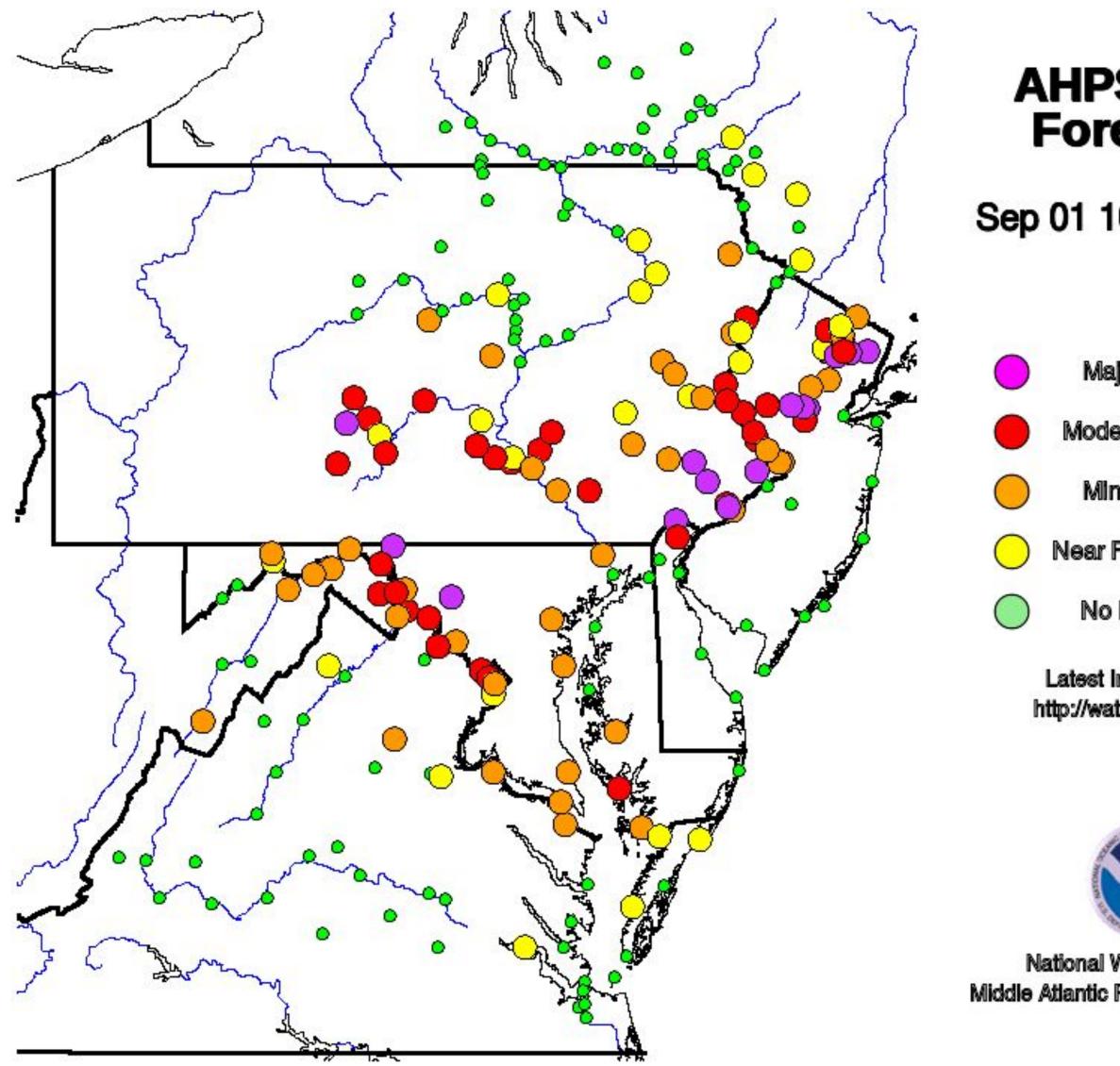
Note: There will likely be locally higher amounts

- A broad swath of 3-7 inch rains continue to be forecast across northern Maryland thru Pennsylvania and into northern New Jersey
- Rain should be largely thru by 8am Thursday although some lingering showers can continue, particularly in the east





River Flooding



AHPS River Forecasts

Sep 01 10:32am EDT

- Major Flood
- Moderate Flood
- Minor Flood
- Near Flood Stage
 - No Flooding
- Latest Information at: http://water.weather.gov

- Extensive flooding is forecast for much of the Mid-Atlantic
- Major flooding is forecast



National Weather Service Middle Atlantic River Forecast Center





River Flood Table

River Basin	
James River	
Appomattox River	
Shenandoah River	
Potomac River	Mainste Smaller tribut
Juniata River	Widespread minor to mod
Susquehanna River	Smaller tributaries in Northe Susquehanna. Smaller tributaries to Moder
W. Branch Susquehanna	Minor
Delaware River	Mainstem Delaware will see m flooding. Schuylkill River and o
Passaic River	Minor to possibly N
Raritan River	Мо

Outlook

No flooding expected at this time

No flooding expected at this time

Minor flooding is possible in a few locations

tem Moderate flooding is likely with Major flooding possible utaries will also be expecting moderate to possibly major flooding

derate flooding expected. Major flooding possible, particularly at Williamsburg

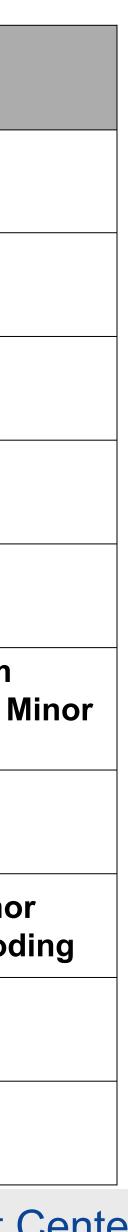
east PA may see minor flooding. Minor flooding possible on the lower Mainstem s particularly Swatara Creek and others in the Harrisburg area expecting to see Minor erate flooding. Major flooding is possible on these tributaries

or flooding is possible, particularly at Beech Creek Station

minor to moderate flooding below Tocks Island. Lehigh River will likely see minor other rivers in southeast PA expecting Moderate flooding to possibly Major flooding

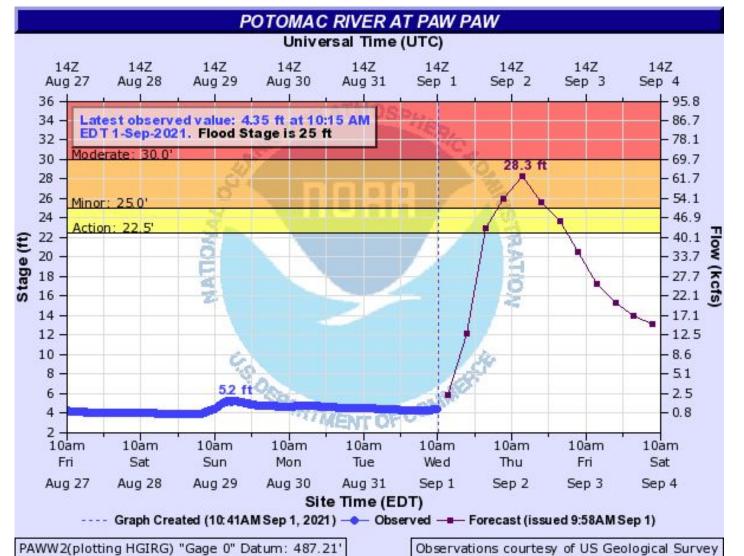
Major flooding possible, particularly at Pine Brook, Little Falls, and Lodi

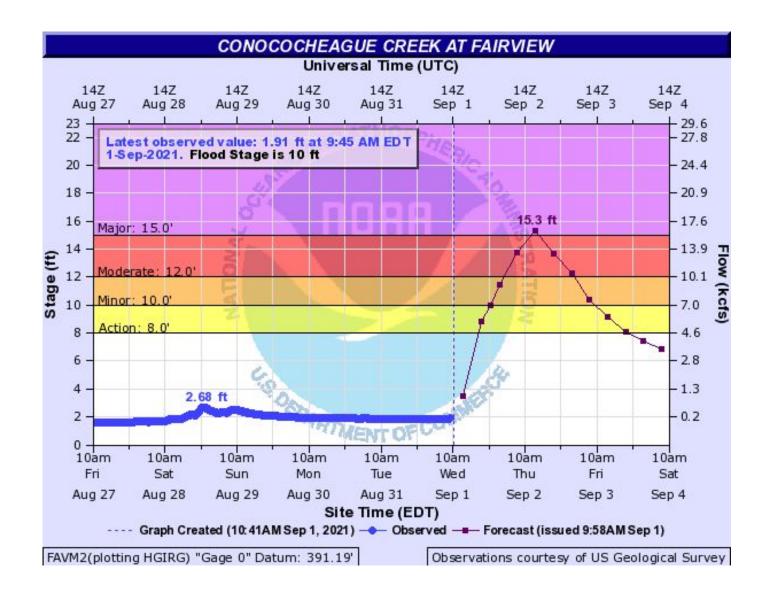
oderate to possibly **Major** flooding throughout the basin

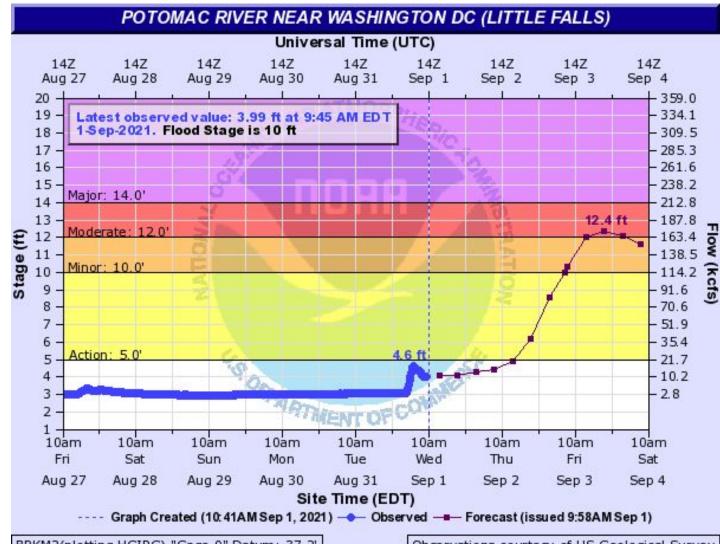




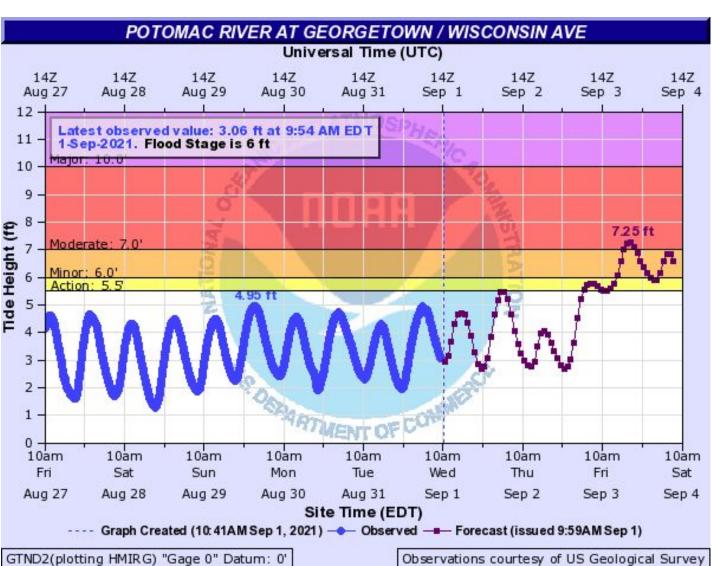
Potomac Basin Flood Hydrographs







BRKM2(plotting HGIRG) "Gage 0" Datum: 37.2'



GTND2(plotting HMIRG) "Gage 0" Datum: 0'

Observations courtesy of US Geological Survey

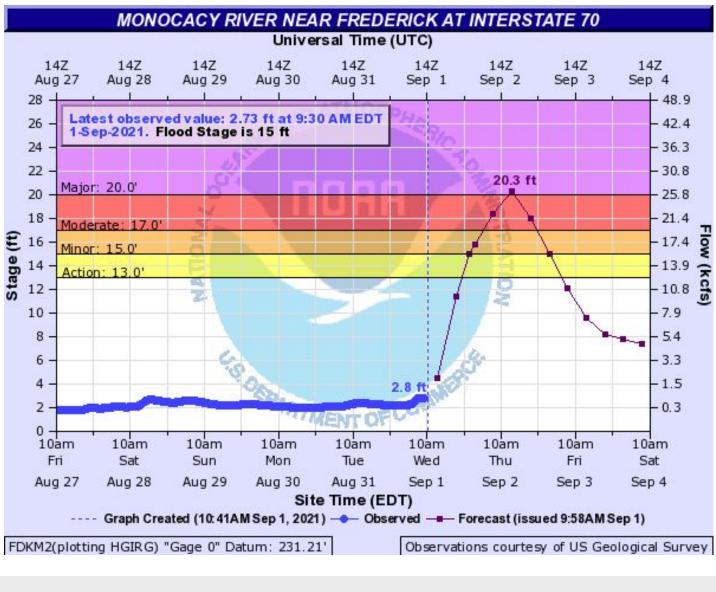
14Z 14Z 14Z 14Z 14Z 14Z 14Z Aug 27 Aug 28 Aug 29 Aug 30 Aug 31 Sep 1 Sep 2 21 20 Latest observed value: 2.54 ft at 9:30 AM EDT 1-Sep-2021. Flood Stage is 10 ft 18 16 ajor: 15.0 13.4 ft 14 £ Minor: 10. Action: 9.0 3 51 1 10am 10am 10am 10am 10am 10am 10am Fri Sat Sun Tue Wed Thu Mon Aug 30 Aug 27 Aug 28 Aug 29 Aug 31 Sep 1 Sep 2 Site Time (EDT) ---- Graph Created (10:41AM Sep 1, 2021) - Observed -= Forecast (issued 9:58AM Sep 1)

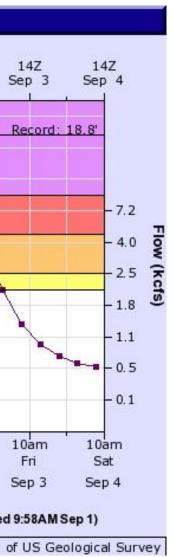
OPEQUON CREEK NEAR MARTINSBURG

Universal Time (UTC)

MBGW2(plotting HGIRG) "Gage 0" Datum: 354.33'

Observations courtesy of US Geological Survey

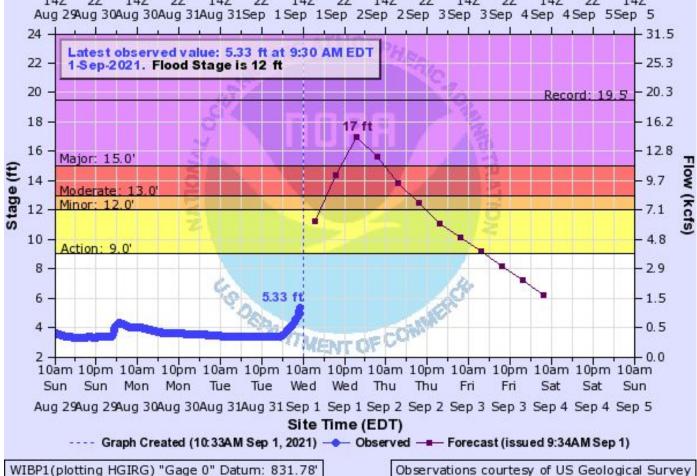


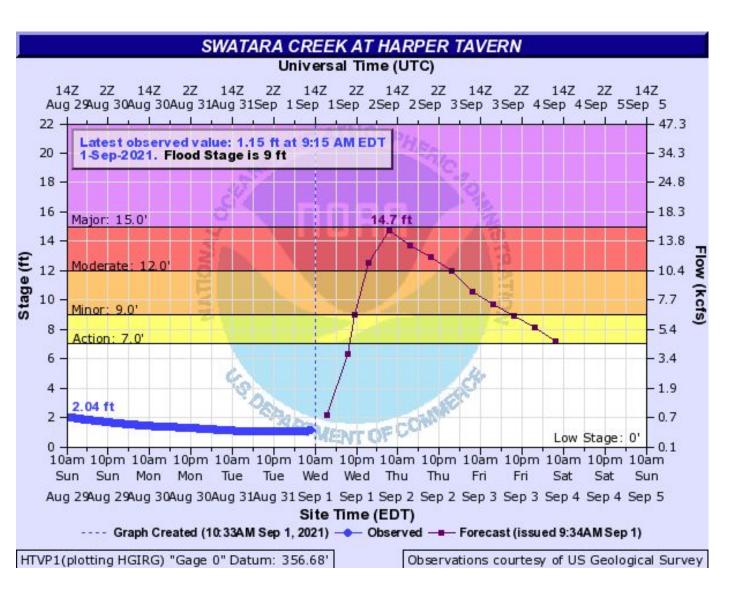


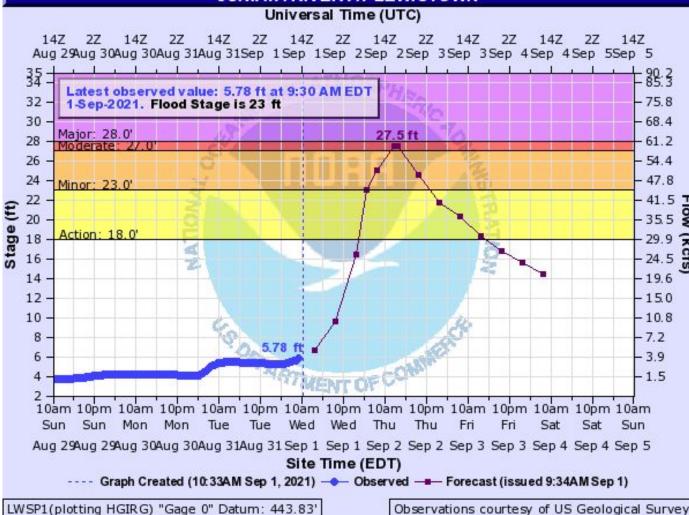


Susquehanna / Juniata Flood Hydrographs

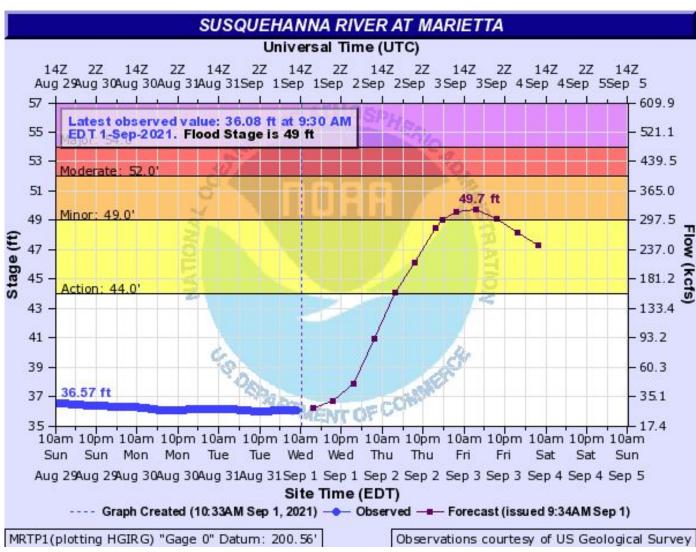
FRANKSTOWN BRANCH JUNIATA RIVER AT WILLIAMSBURG Universal Time (UTC) 14Z 2Z 14Z



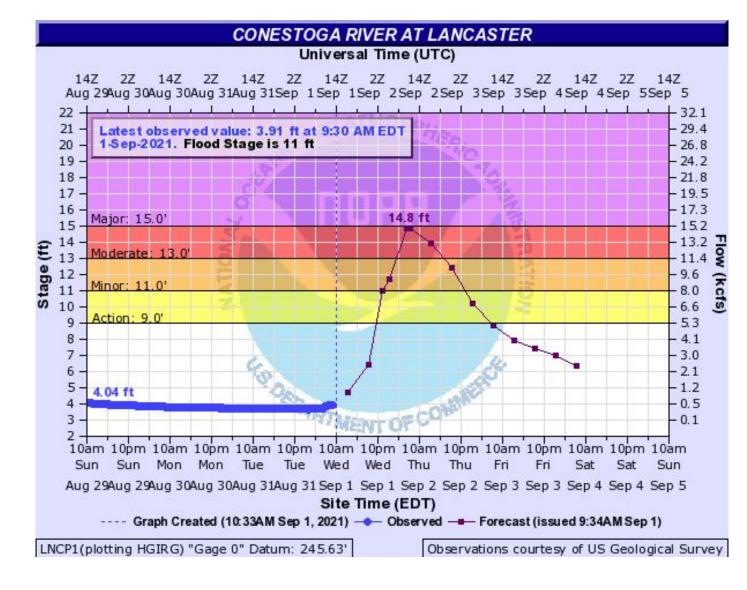


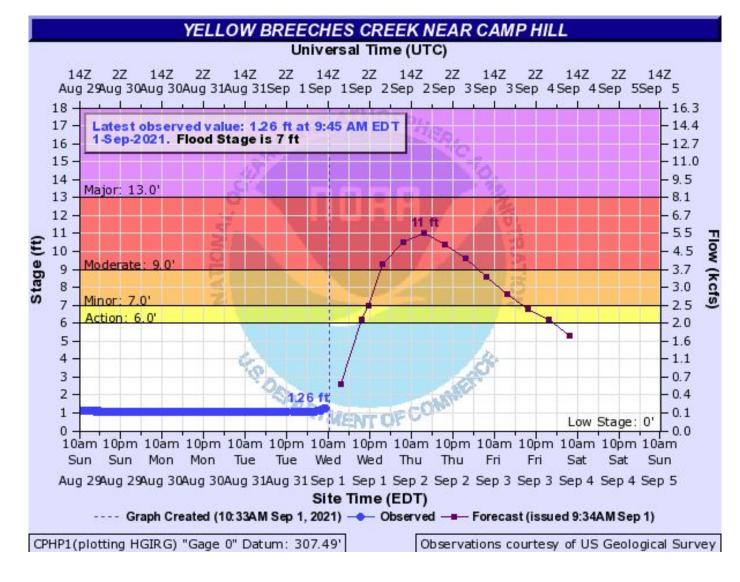


LWSP1(plotting HGIRG) "Gage 0" Datum: 443.83'



JUNIATA RIVER AT LEWISTOWN

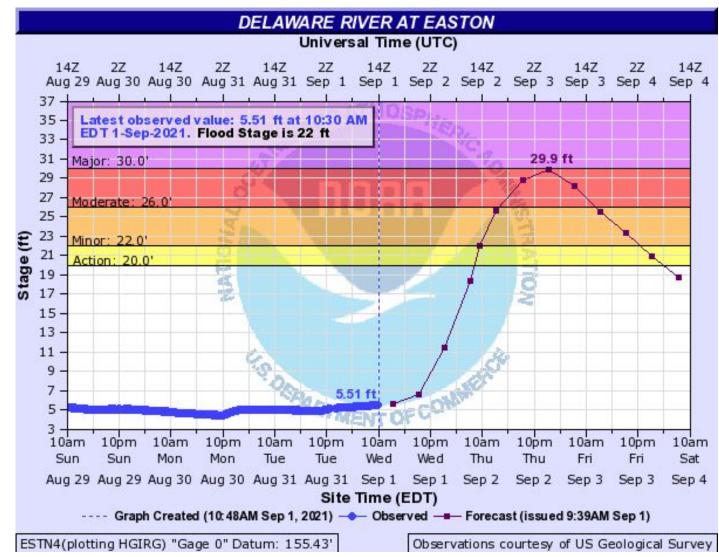


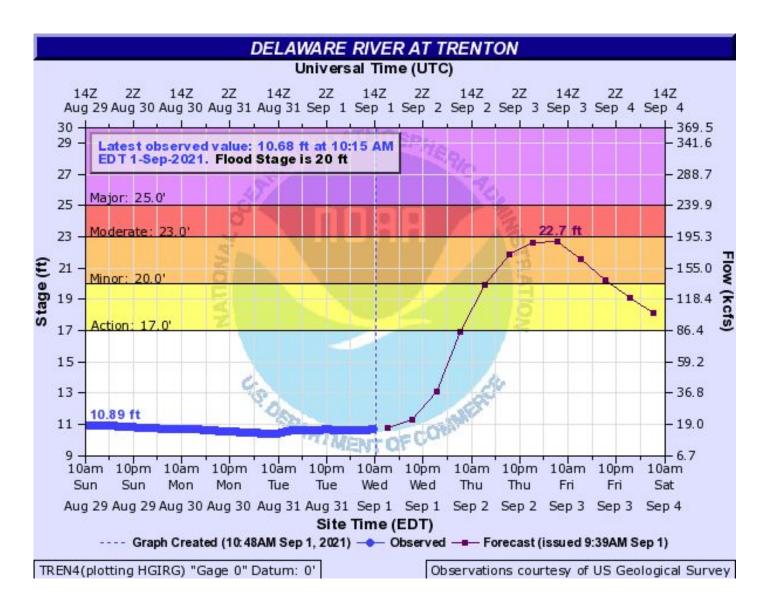


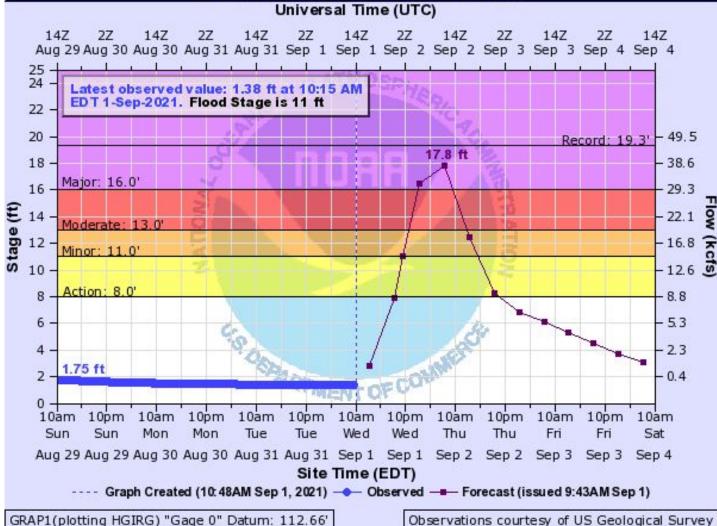


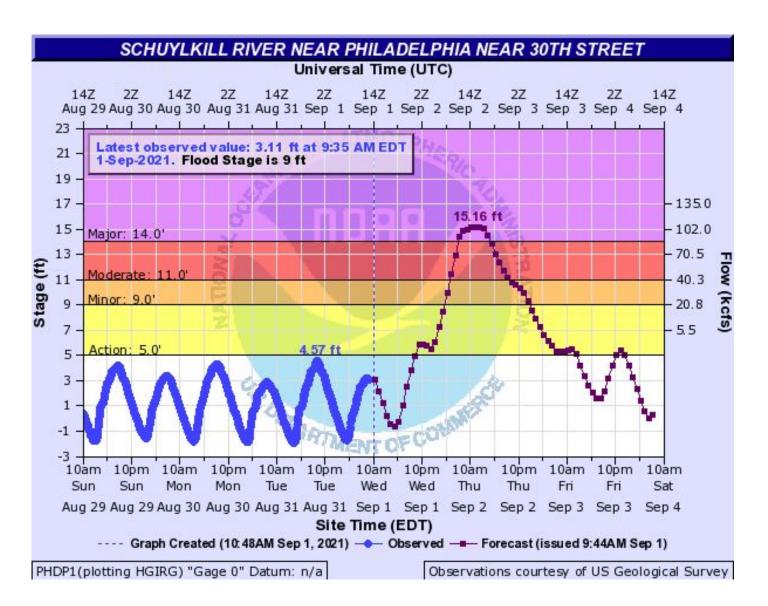


Delaware Basin and New Jersey Flood Hydrographs

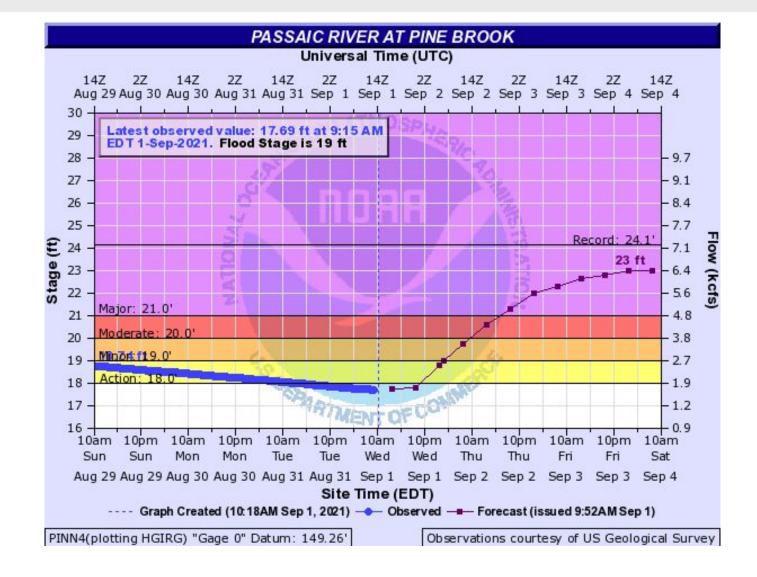


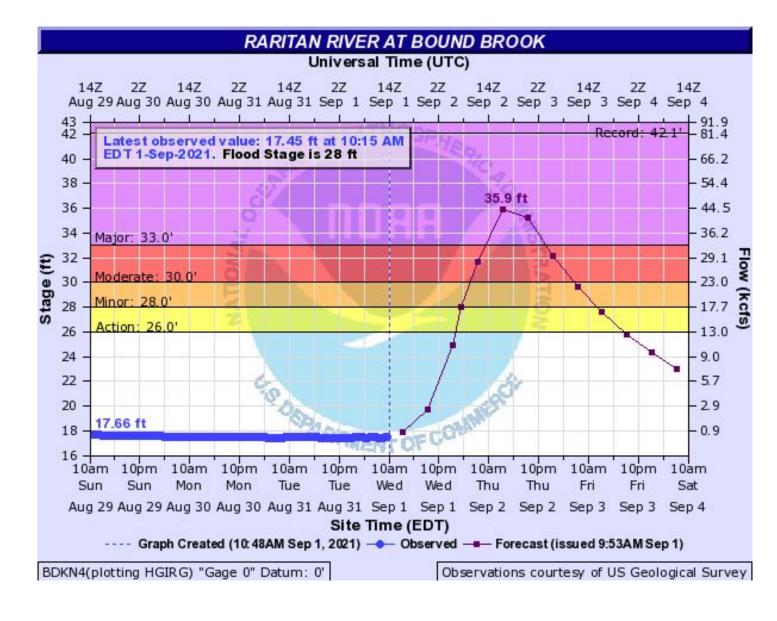






PERKIOMEN CREEK AT GRATERFORD









Next Briefing: Thursday Noon



For the latest graphics and information go to: <u>www.hurricanes.gov</u> or weather.gov/marfc

