



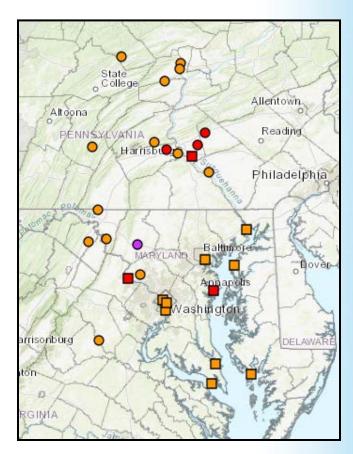
Major Flood Threat for Mid-Atlantic

Decision Support Briefing #2
As of: Noon, July 23



What Has Changed?

- ✓ Updated flooding locations
- ✓ Upgraded flood threat











Main Points

HAZARD:	Heavy Rain and River Flooding
IMPACTS:	We are currently forecasting 5 river locations to moderate flooding and 1 (Frederick MD) to major. In addition, a number of other locations are forecast to minor flood. If the rain continues to develop as anticipated these impacts could increase. For the mainstem Susquehanna, this is potentially the most significant flooding since 2011
LOCATION:	Current highest impact areas are likely from central Pennsylvania down towards Washington DC
TIMING:	Flooding is ongoing and is likely throughout the rest of this week
CONFIDENCE:	Forecasting exactly how these bands of intense rain set up is fairly low confidence this far out. This results in a challenge in accurately forecasting flood locations, levels, and timing. However it is high confidence that heavy rain and flooding will occur in select locations.
NOTES:	Coastal and small stream flooding is also likely as a result of this rain event. This briefing does not explicitly address these concerns.

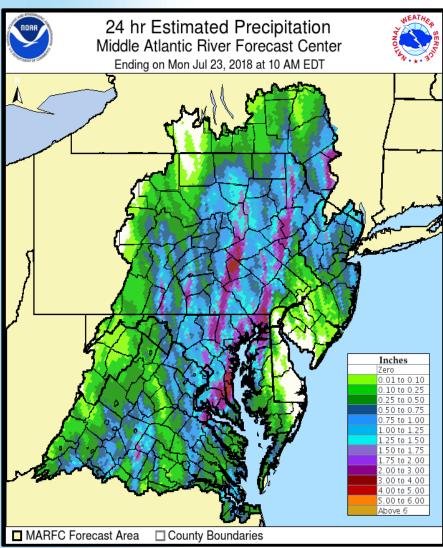








Observed Precipitation



✓ After areas received 5-7 inches of rain on Saturday, another round of rainfall brought many areas of 2-3 inches of rain with reports of up to 5 inches in the past 24 hours

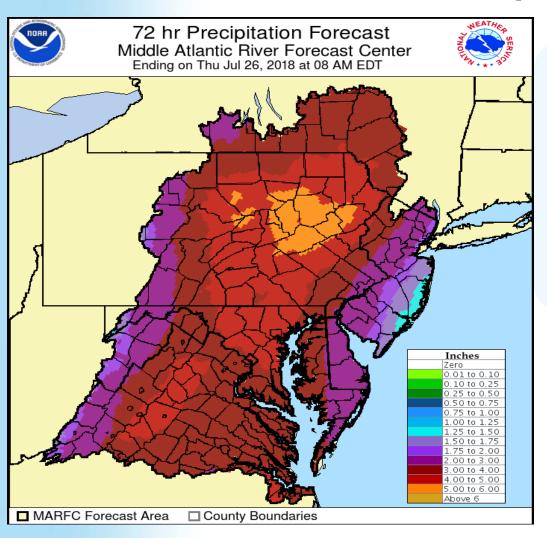








Forecast Precipitation



- ✓ Widespread 2-4 inches of rain expected throughout the region
- ✓ Higher amounts of 5+ inches currently forecast in parts of Pennsylvania
- ✓ Locally heavier amounts can be expected as well

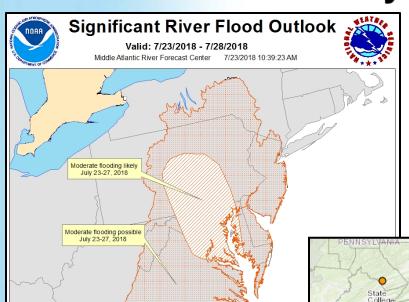








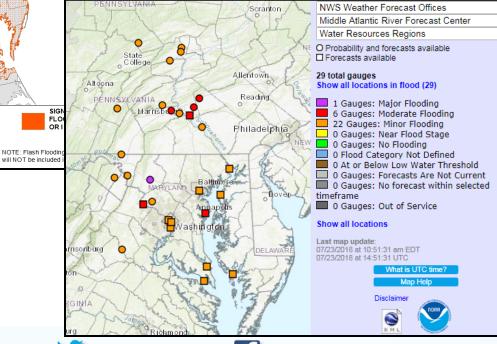
5 Day Flood Outlook



SIGNIFICANTRIVER

FLOODING LIKELY.

- ✓ Potential for moderate to major flooding from central Pennsylvania down to Washington DC
- ✓ Many locations to minor flood
- A great deal of uncertainty on location, timing of heavy rainfall



SIGNIFICANTRIVER

FLOODING POSSIBLE.

Significant River Flooding Impacts include:

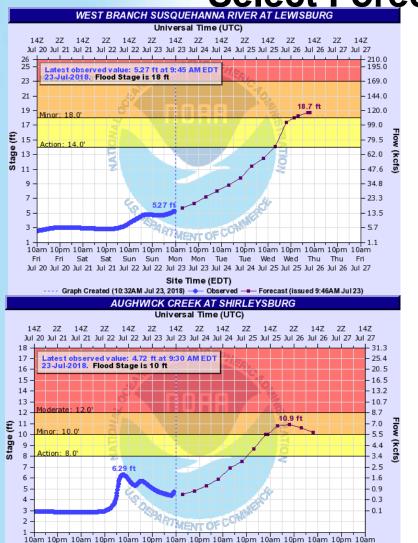
Roads adversely affected. Residential.

commercial, industrial, and/or agricultural

areas affected. May require evacuation of people



Select Forecast Hydrographs WEST BRANCH SUSQUEHANNA RIVER AT LEWISBURG CONORDER MET CREEK MEAN CONORDER MET CREEK MET C



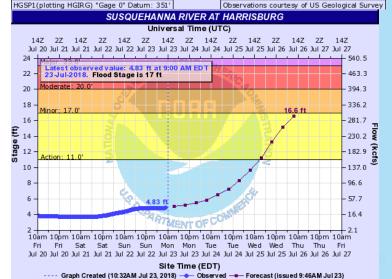
Fri Sat Sat Sun Sun Mon Mon Tue Tue Wed Wed Thu Thu Fri

Jul 20 Jul 20 Jul 21 Jul 21 Jul 22 Jul 22 Jul 23 Jul 23 Jul 24 Jul 24 Jul 25 Jul 25 Jul 26 Jul 26 Jul 27

Site Time (EDT)

---- Graph Created (10:32AM Jul 23, 2018) - Observed -- Forecast (issued 9:46AM Jul 23)

Universal Time (UTC) 14Z 2Z 14Z Jul 20 Jul 21 Jul 21 Jul 22 Jul 22 Jul 23 Jul 23 Jul 24 Jul 24 Jul 25 Jul 25 Jul 26 Jul 26 Jul 27 Jul 27 Latest observed value: 5.68 ft at 9:30 AM EDT 23-Jul-2018. Flood Stage is 8 ft 33.6 28.8 15 24.4 14 20.7 13 17.4 Major: 12.0' 14.4 12 11.6 7.5 (Kod 59 4.6 - 2.4 - 0.9 - 0.4 - 0.1 10am 10pm 10am Fri Sat Sat Sun Sun Mon Mon Tue Tue Wed Wed Thu Thu Fri Jul 20 Jul 20 Jul 21 Jul 21 Jul 22 Jul 22 Jul 23 Jul 23 Jul 24 Jul 24 Jul 25 Jul 25 Jul 26 Jul 26 Jul 27 Site Time (EDT) ---- Graph Created (10:32AM Jul 23, 2018) --- Observed --- Forecast (issued 9:46AM Jul 23)



HARP1(plotting HGIRG) "Gage 0" Datum: 290'

Observations courtesy of US Geological Survey reated

SLYP1(plotting HGIRG) "Gage 0" Datum: 580' River Forecast Center

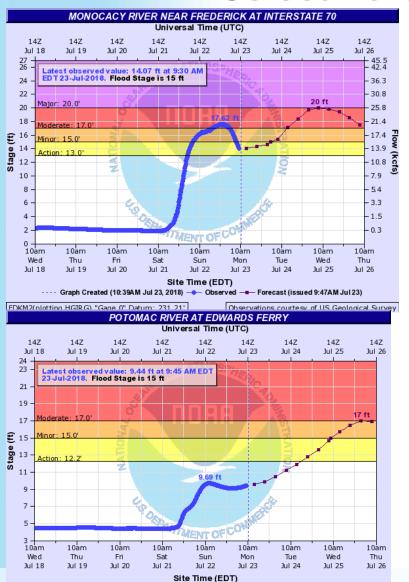
Observations courtesy of US Geological Survey

NWSMARFC

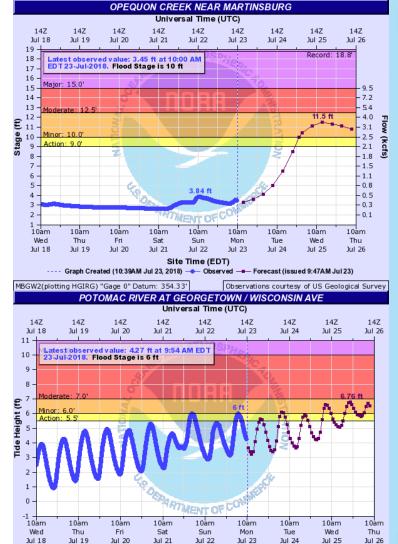




Select Forecast Hydrographs



Graph Created (10:39AM Jul 23, 2018) - Observed - Forecast (issued 9:47AM Jul 23)



Site Time (EDT)

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

Observations courtesy of US Geological Survey





Latest Forecast Information

Information in this briefing package may change with updated forecast information. Please refer to the offices below for the latest official forecasts

Office	Web Page	Social Media
Binghamton, NY	http://weather.gov/bgm	@NWSBinghamton
Blacksburg, VA	http://weather.gov/rnk	@NWSBlacksburg
Mount Holly, NJ	http://weather.gov/phi	@NWS_MountHolly
State College, PA	http://weather.gov/ctp	@NWSStateCollege
New York City, NY	http://weather.gov/okx	@NWSNewYorkNY
Sterling, VA	http://weather.gov/lwx	@NWS_BaltWash
Wakefield, VA	http://weather.gov.akq	@NWSWakefieldVA

Forecasts also available on the AHPS web site: http://water.weather.gov
Or the MARFC web site: http://www.weather.gov/marfc











Contact and Next Briefing Information

Next Briefing

When: Noon, Tuesday, Jul 24

Briefing Webpage:

http://www.weather.gov/marfc/self_briefing







Disclaimer: The information contained within this briefing is time-sensitive, do not use after 7am, Tuesday, July 24





