

Widespread Flooding Across Susquehanna and Potomac Basins

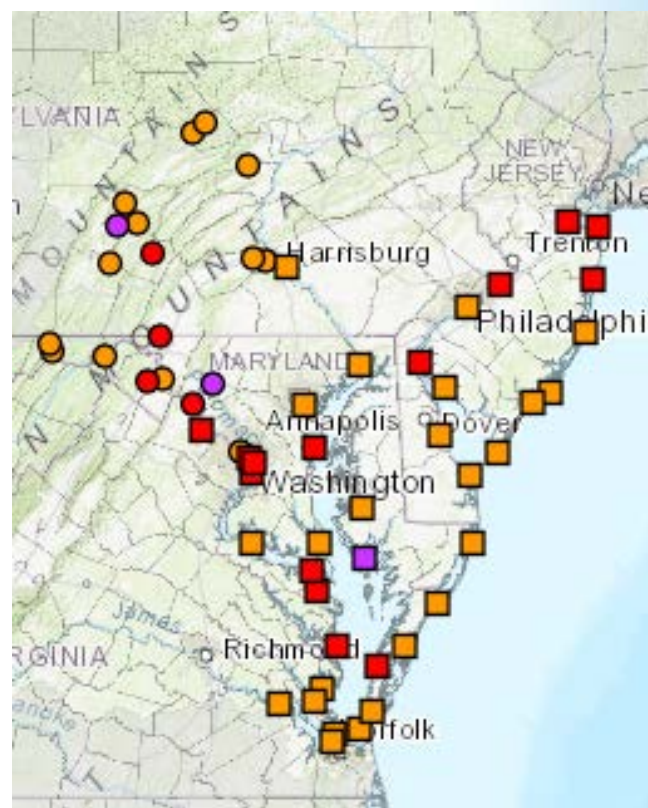
Hurricane Florence could impact region by late in the week

Decision Support Briefing #2
As of: Noon, September 10



What is Changed

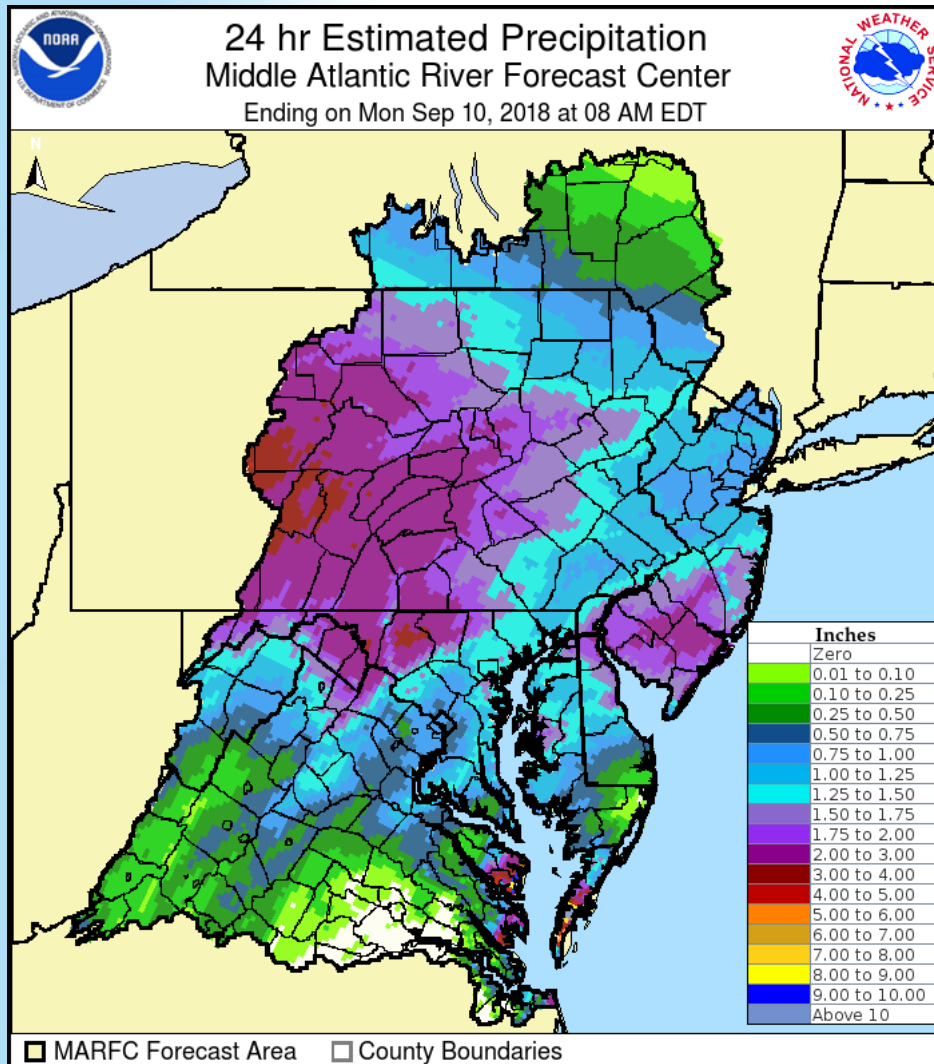
- ✓ Major flooding ongoing
- ✓ Latest forecast updates
- ✓ Latest info on Florence



Main Points

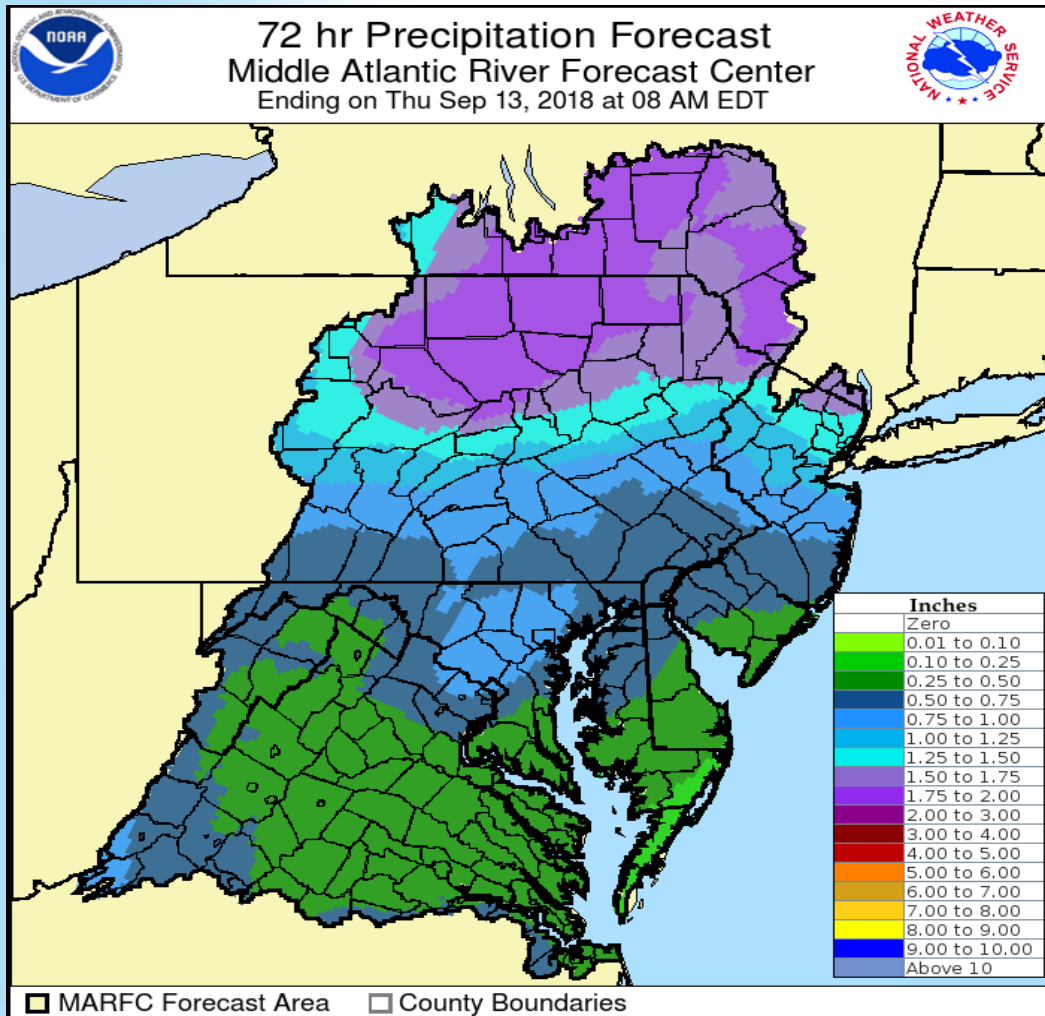
HAZARD:	Heavy Rainfall and Significant River Flooding
IMPACTS:	<p>Major River Flooding - in progress at Frederick, MD (Monocacy River) and at Williamsburg, PA (Juniata River).</p> <p>Minor to Moderate River Flooding - numerous other locations.</p> <p>Heavy Rain - Some areas have seen 4-6 inches of rain over the past 48 hours. An additional 1-2 inches is expected in some areas over the next 24 hours .</p>
LOCATION:	<p>Heaviest rainfall has been in Western and Central Pennsylvania</p> <p>Highest river flood threat today and tomorrow is in Juniata basin and parts of the Potomac River basin</p>
TIMING:	<p>Most tributaries and small streams will reach their highest levels this afternoon.</p> <p>Larger Rivers will continue to rise over the next 24-48 hours</p>
FLORENCE:	<p>Hurricane Florence is continuing to move across the Atlantic and is already impacting portions of the U.S. East Coast with life-threatening surf and rip currents. There is an increasing risk of life-threatening impacts from Florence: storm surge at the coast, freshwater flooding from a prolonged and exceptionally heavy rainfall event inland, and damaging hurricane force winds. Interests at the coast from South Carolina into the mid-Atlantic region should closely monitor the progress of Florence, ensure they have their hurricane plan in place, and follow any advice given by local officials.</p>
NOTES:	<p>Focus of this briefing is on river flooding. Significant coastal, tidal, and small stream flooding is also expected</p>

Observed Precipitation



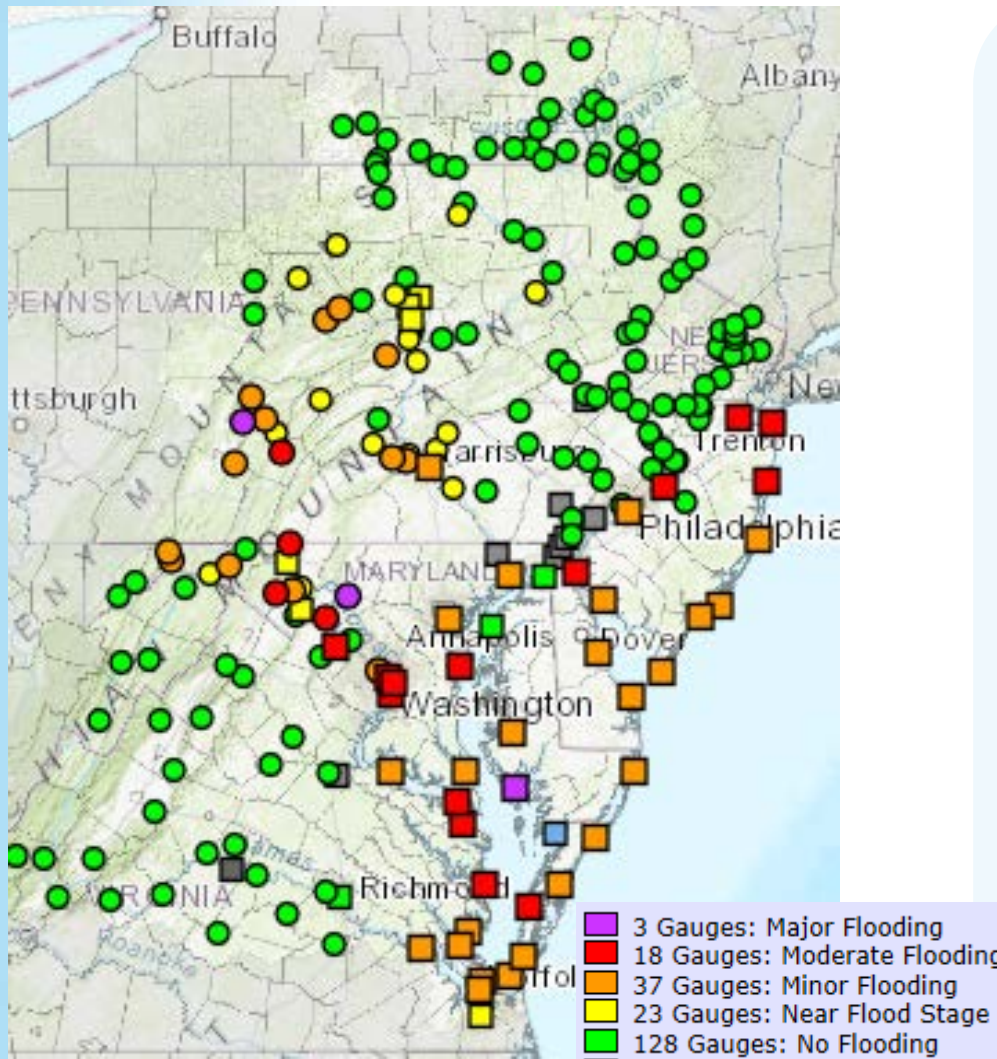
- ✓ Reports of 2-4 inches of rain as of 9AM this morning across portions of the Juniata, West Branch Susquehanna, and Upper Potomac river basins.
- ✓ Other reports over 2 inches across southern Pennsylvania, southern New Jersey, Delaware, and Virginia.

Forecast Precipitation



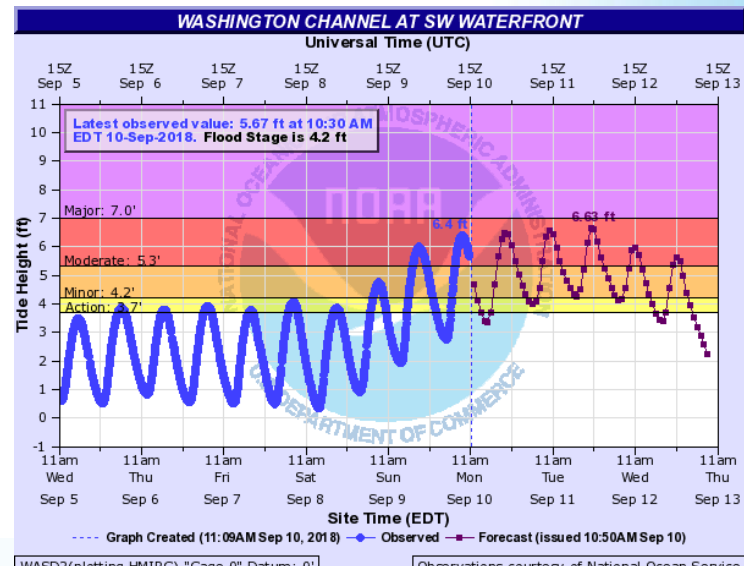
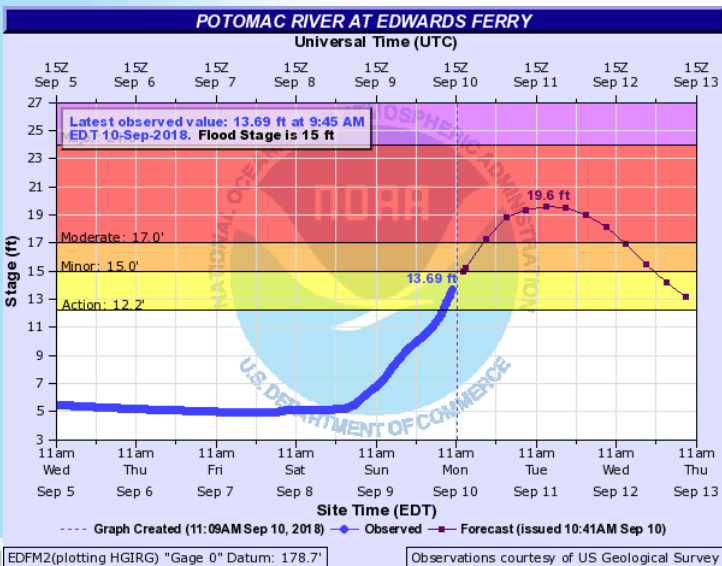
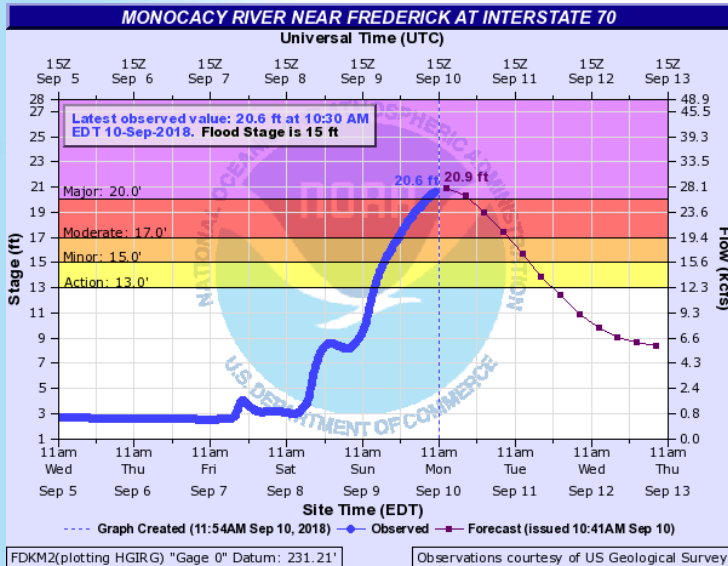
- ✓ Rainfall will be continue to be widespread from central Pennsylvania northward into south central New York. Elsewhere, lighter rain and drizzle will predominate, although an isolated thunderstorm with localized heavy rainfall is possible
- ✓ A break from heavy rainfall is expected on Tuesday and Wednesday.
- ✓ Very Heavy rainfall from Florence may impact the region later in the week.

Flood Forecasts



- ✓ Major Flooding is ongoing at Frederick, Maryland (Monocacy river) and Williamsburg, Pennsylvania (Juniata River)
- ✓ Minor to Moderate flooding is occurring or forecast across much of the Juniata River, parts of the Potomac and tributaries in Maryland as well as smaller streams near Harrisburg
- ✓ Extensive moderate coastal and tidal flooding is also forecast over the next several high tide cycles
- ✓ Small stream flooding is also widespread across the mid-Atlantic
- ✓ These flood forecasts do not include any impacts from Florence later in the week

Select Current Forecasts as of 11am Monday



Tropical Conditions



Key Messages for Hurricane Florence Advisory 45: 11:00 AM AST Mon Sep 10, 2018

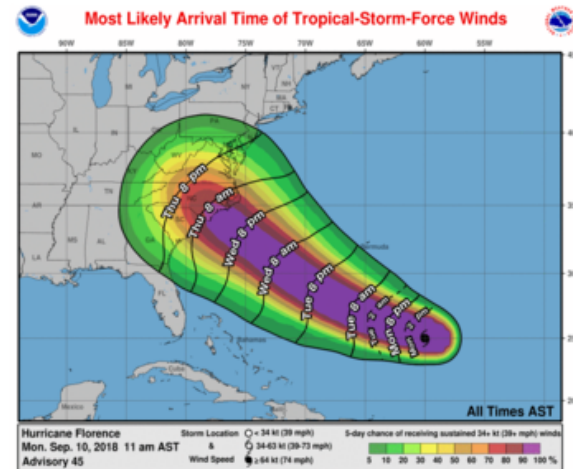
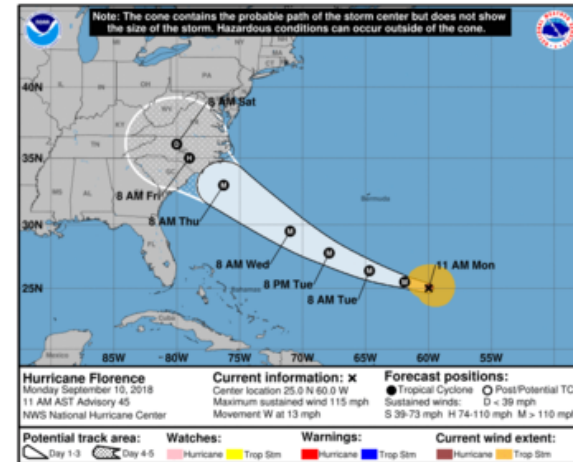


1. A life-threatening storm surge is likely along portions of the coastlines of South Carolina, North Carolina, and Virginia, and a Storm Surge Watch will likely be issued for some of these areas by Tuesday morning. All interests from South Carolina into the mid-Atlantic region should ensure they have their hurricane plan in place and follow any advice given by local officials.

2. Life-threatening freshwater flooding is likely from a prolonged and exceptionally heavy rainfall event, which may extend inland over the Carolinas and Mid Atlantic for hundreds of miles as Florence is expected to slow down as it approaches the coast and moves inland.

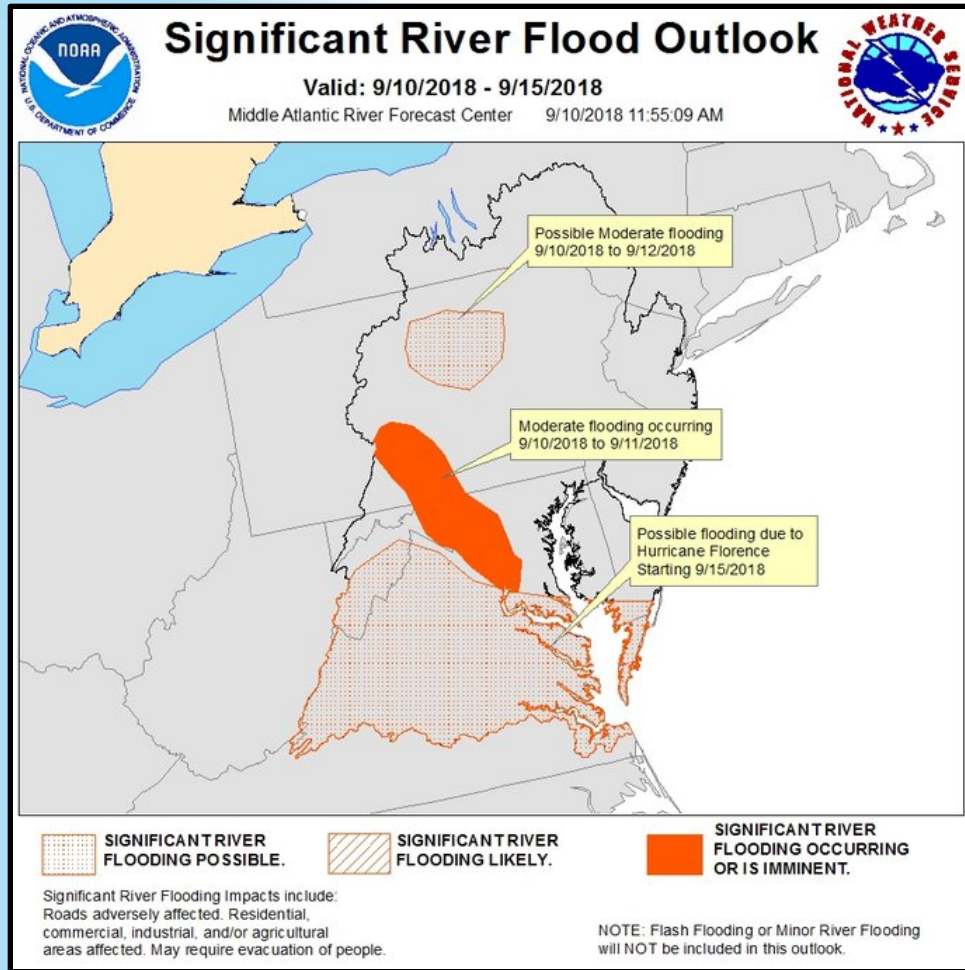
3. Damaging hurricane-force winds are likely along portions of the coasts of South Carolina and North Carolina, and a Hurricane Watch will likely be issued by Tuesday morning. Damaging winds could also spread well inland into portions of the Carolinas and Virginia.

4. Large swells affecting Bermuda and portions of the U.S. East Coast will continue this week, resulting in life-threatening surf and rip currents.



For more information go to hurricanes.gov

Significant Flood Outlook



- This graphic accounts for moderate or greater flooding both from the past couple of days as well as a possible area due to Florence impacts
- Given the current track of Florence, the most likely areas for significant flooding are the more southern parts of the Mid-Atlantic
- However with saturated soils in more northern basins, any rainfall can result in significant flood concerns

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

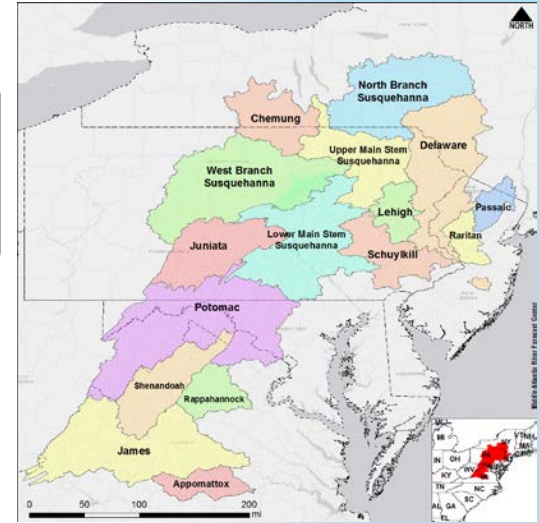
Office	Web Page	Social Media
Binghamton, NY	http://weather.gov/bgm	@NWSBinghamton
Blacksburg, VA	http://weather.gov/rnk	@NWSBlacksburg
Mount Holly, NJ	http://weather.gov/phi	@NWS_MountHolly
State College, PA	http://weather.gov/ctp	@NWSStateCollege
New York City, NY	http://weather.gov/okx	@NWSNewYorkNY
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: by noon on Tuesday
Method: email and on webpage

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



Web:
<http://www.weather.gov/marfc>



E-mail:
Robert.Shedd@noaa.gov



Facebook:
NWSMARFC



Twitter:
NWSMARFC

Disclaimer: *The information contained within this briefing is time-sensitive, do not use after 7am September 11th*