



NOAA, National Weather Service Middle Atlantic River Forecast Center Briefing

April 6, 2017

**Potential for Minor to Moderate Flood across
parts of Pennsylvania, New York, and New Jersey**

Robert Shedd

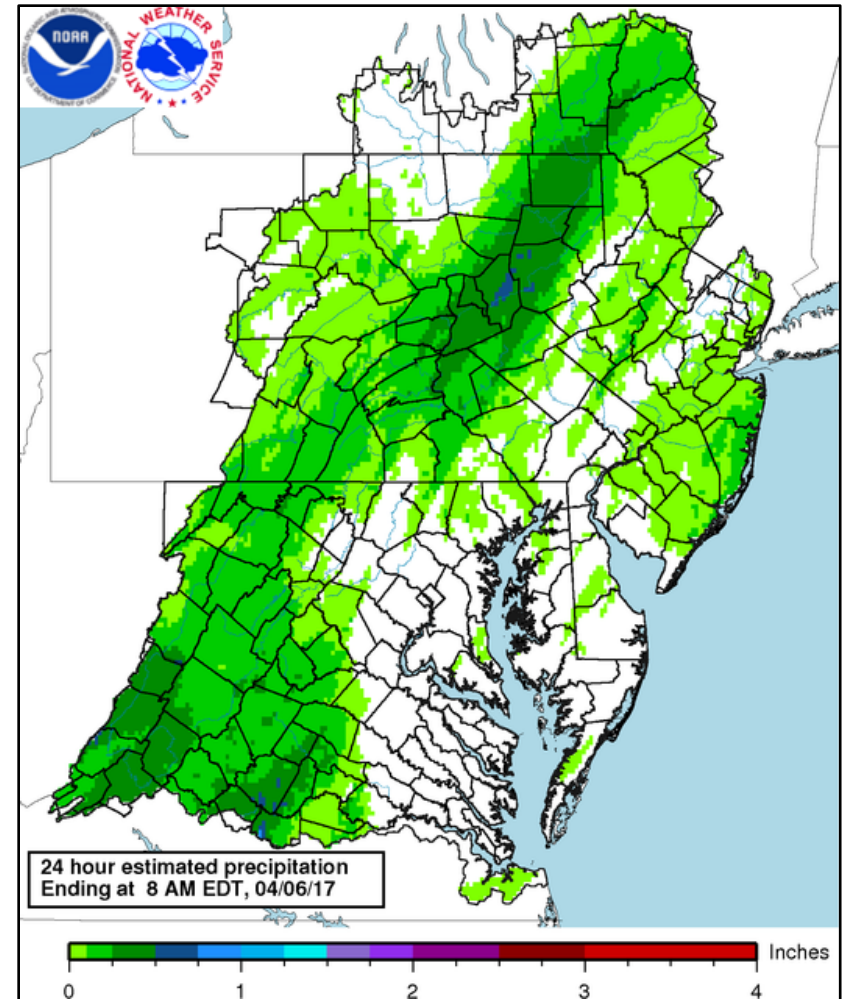
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Flood Potential April 6 – April 8

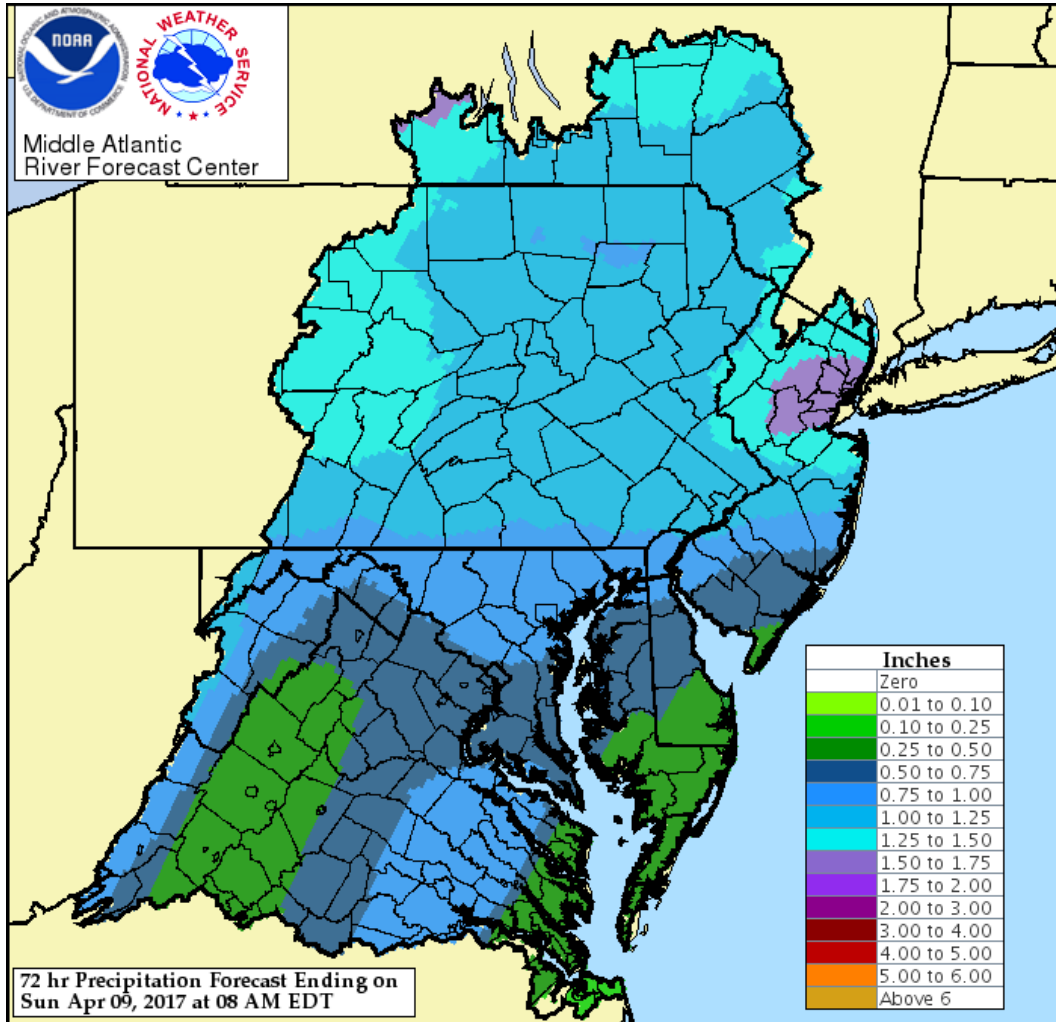
- **PREPARE NOW FOR THE POSSIBILITY OF FLOODING.**
- **MONITOR RIVER FORECASTS TODAY AND TOMORROW FOR POTENTIAL FLOODING.**
- **Risk:** Minor flooding possible. Predicted rainfall amounts have decreased somewhat from previous forecasts and therefore, moderate flooding is less likely.
- **Location:** Greatest chance for minor river flooding is from central New York thru northeast Pennsylvania and into northern New Jersey. Isolated small stream flooding possible elsewhere due to localized heavy rainfall from thunderstorms.
- **Timing:** Greatest chance for river flooding is on Thursday night and Friday. Isolated small stream and tributary rivers could flood as early as Thursday afternoon.
- **Confidence:** High confidence that we will be seeing some minor flooding within the region. However, which locations flood and whether or not flooding is widespread will depend on rainfall.
- **Note:** This briefing is focused on the river flood threat. There is also a risk of localized small stream flooding, isolated flash flooding, and tidal flooding in some areas. Poor drainage and urban flooding is also likely in the areas of heaviest rainfall. Refer to your local NWS office for details.

Observed Rainfall

- Over the past 24 hours we have seen some widespread, but generally light rainfall of less than a quarter inch but a few spot amounts near a half inch
- Heavier rain is moving into the region from the south and west at this time
- Over the past 30 days, precipitation has been around 2 inches above normal in the North Branch Susquehanna and the Upper Delaware basins. Soils are now relatively wet in these areas and a greater percentage of the rainfall will runoff into streams and rivers.



72 Hour Precipitation Forecast



Predicted rainfall during the next 3 days. Up to about 2.0 inches are expected with the highest amounts across northern New Jersey, the Chemung and West Branch Susquehanna river basins.

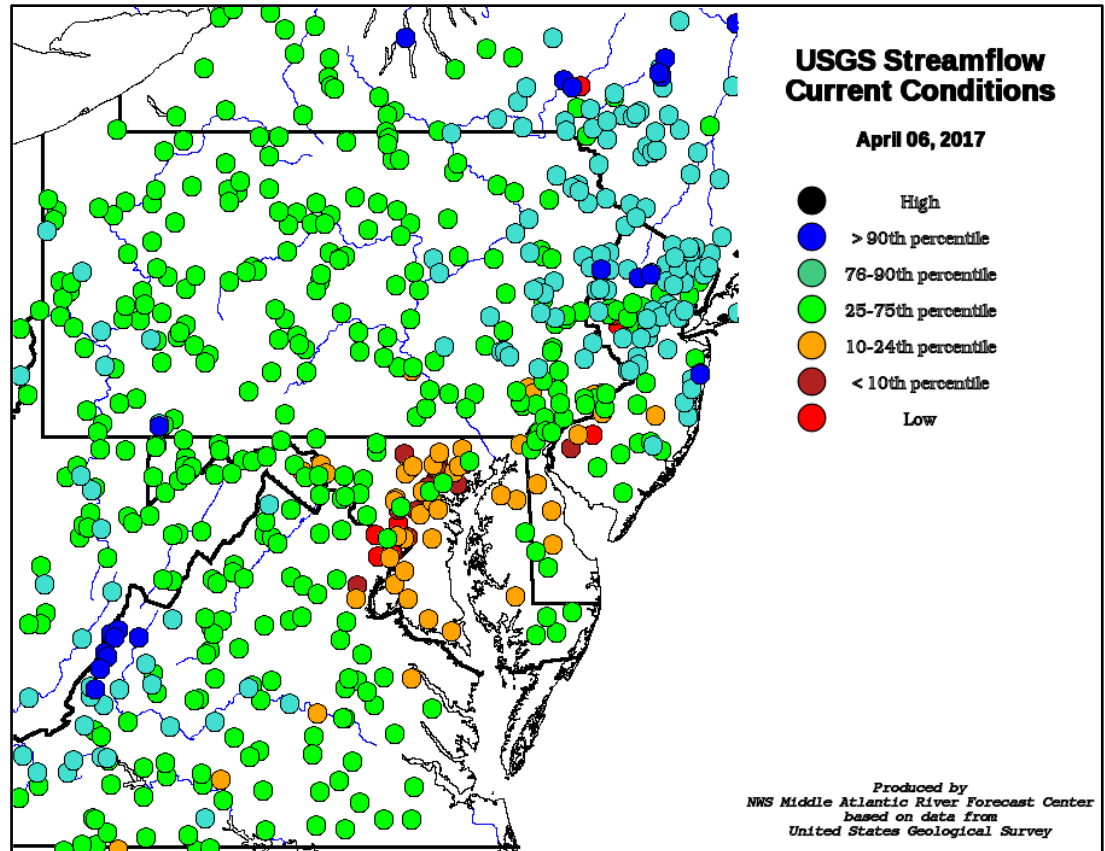
Rainfall will overspread the region from southwest to northeast beginning early Thursday morning with the heaviest amounts Thursday afternoon and evening across the Susquehanna basin, Delaware basin, and New Jersey river basins.

Expected rainfall is somewhat less than earlier forecast. This is why the threat of moderate flooding has diminished.

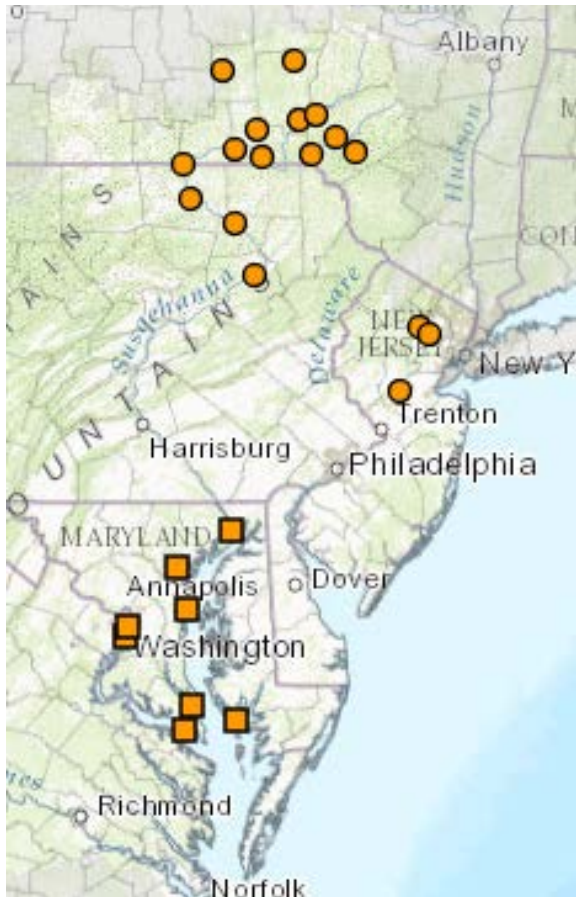
Amounts shown are basin averages. Localized higher amounts are possible over short periods of time in thunderstorms. This is why there is also a threat of small stream, flash flood, and poor drainage/urban flooding.

Current Streamflows

- Recent rainfall and in some areas snowmelt have combined to raise streamflows to moderately high levels (dark blue and turquoise dots) across parts of New York, eastern Pennsylvania, northern New Jersey and western Virginia.
- Where stream levels are already high, less runoff will be required to initiate flooding.
- Flooding began to occur last night on the Susquehanna at Bainbridge, NY



Official River Forecasts (as of 11am April 6)



These are the river forecasts for the next 3 days based on the current rainfall forecast. Minor flooding is predicted at 25 locations (orange dots) with an additional 36 locations with river levels near flood stage.

Impacted river basins include

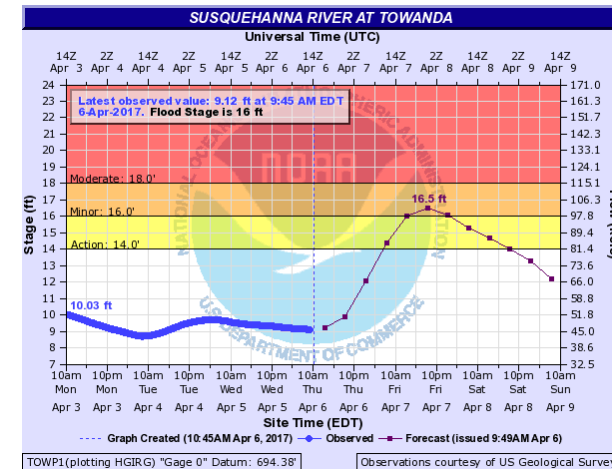
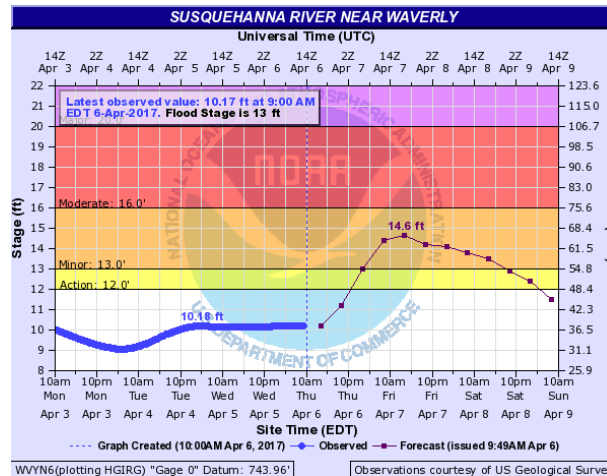
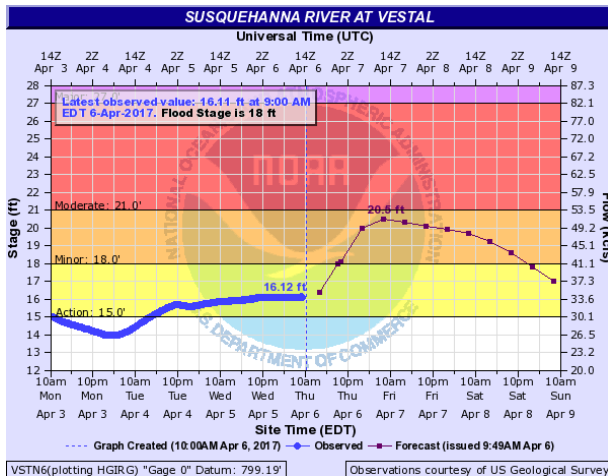
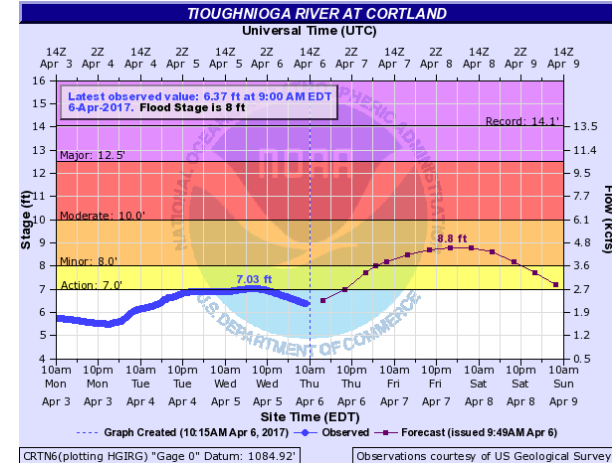
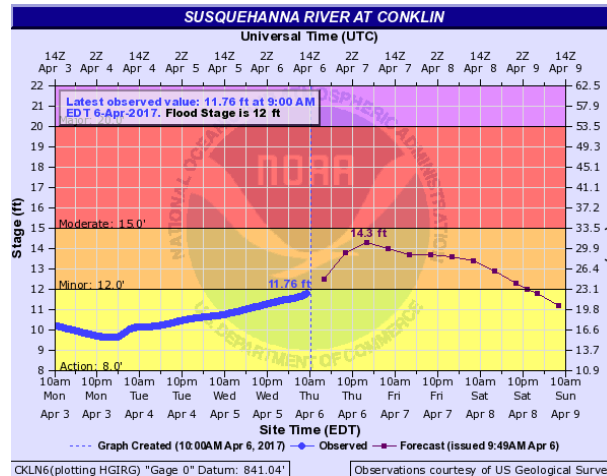
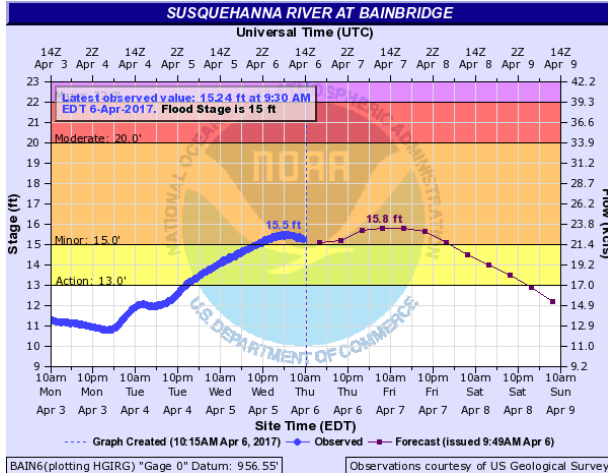
- Susquehanna North Branch (NY/PA)
- Delaware above Cannonsville (NY)
- Passaic (NJ)
- Millstone (NJ)

Note there are also forecasts for minor coastal flooding along the Chesapeake Bay and for the tidal Potomac around Washington D.C. and Alexandria, VA.

For the latest forecasts go to: www.weather.gov/marfc

Forecast Hydrographs

Susquehanna River Basin



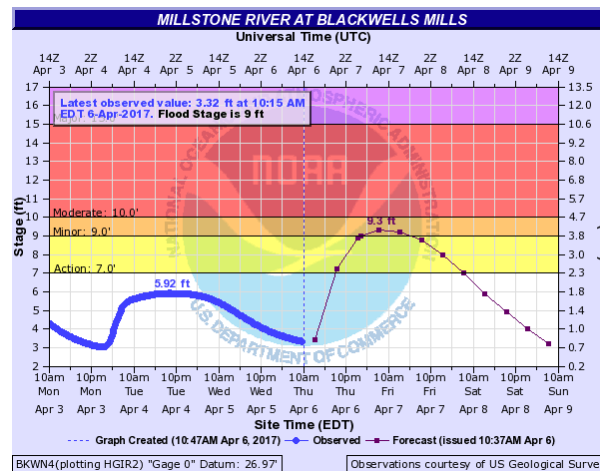
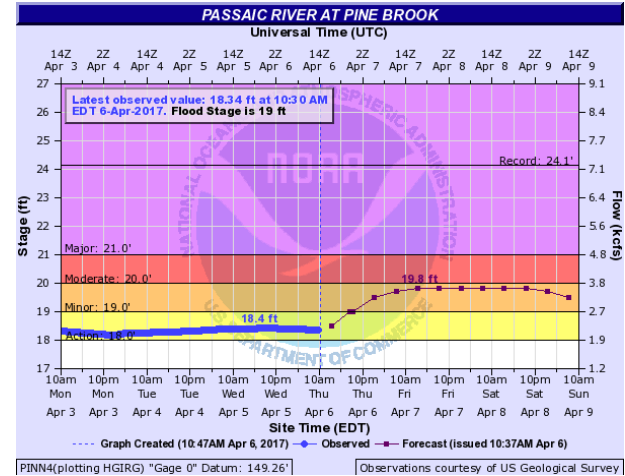
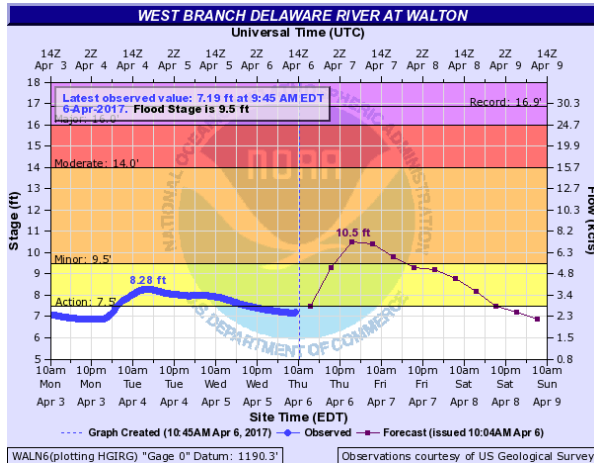
This is not a comprehensive list of flood forecasts – View the AHPs site <http://water.weather.gov>

Thursday, April 06, 2017

Middle Atlantic River Forecast Center

Forecast Hydrographs

Delaware R & New Jersey

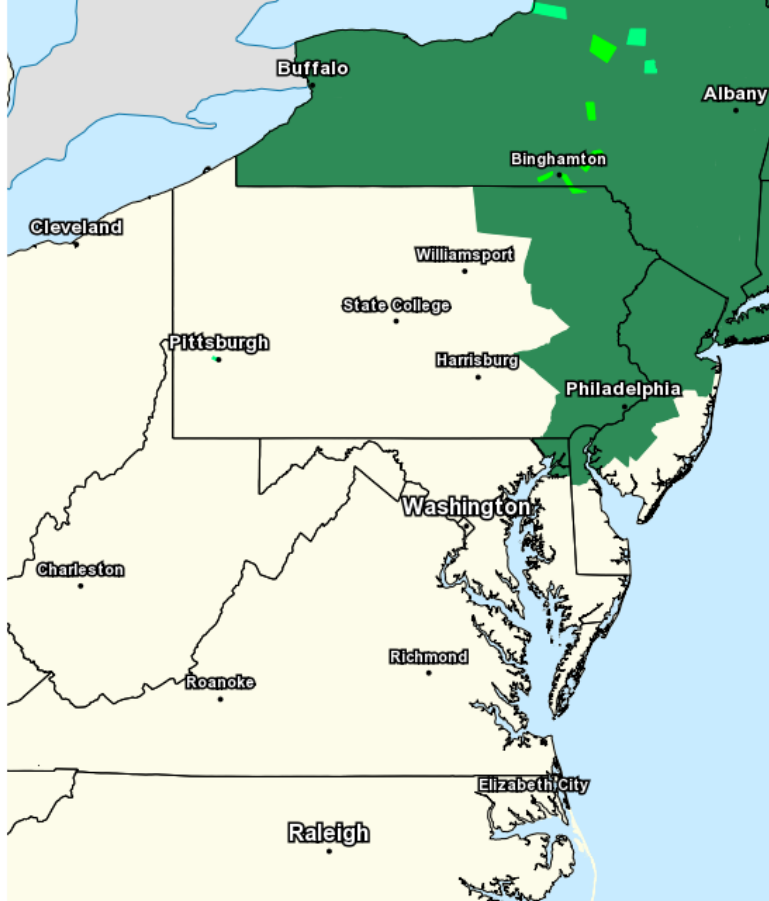


Flood Warnings & Watches

Flood Watches Warnings and Advisories

National Weather Service

- Flood Warning
- Areal Flood Advisory
- Flood Advisory
- Areal Flood Watch



Graphic Created
April 6th, 2017
8:16 AM EDT

- Flood warnings (light green) are currently in effect for the following:
 - Susquehanna at Vestal, NY
 - Susquehanna at Bainbridge, NY
 - Susquehanna at Conklin, NY
 - Chenango at Sherburne, NY
- Additional warnings may be necessary as river flows increase today and Friday
- Flood watches are currently in effect in the darker green shaded areas.
- Moderate to heavy rain in these areas will likely result in some roadway flooding along with flooding in areas of poor drainage beginning on Thursday afternoon. Isolated instances of flash flooding may occur, especially in urban areas. Some small streams and creeks may leave their banks Thursday afternoon into Thursday night. Minor river flooding in some areas could persist into the weekend.

Keep Up To Date with Latest Info

- Contact your local NWS Weather Forecast Office
 - Binghamton, NY <http://weather.gov/bgm>
 - Blacksburg, VA <http://weather.gov/rnk>
 - Mt Holly, NJ <http://weather.gov/phi>
 - State College, PA <http://weather.gov/ctp>
 - New York City, NY <http://weather.gov/okx>
 - Sterling, VA <http://weather.gov/lwx>
 - Wakefield, VA <http://weather.gov/akq>
- River Forecasts
 - <http://www.weather.gov/marfc>
- Email: peter.ahnert@noaa.gov

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Next MARFC Briefing

- **The next MARFC briefing will be issued Friday around noon.**