

August 2 - August 5, 2018 Preliminary Flood Summary

| Juniata Basin | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
|---|----------------------|--|-----------------------|----------------------|----------------------|----------------------------|
| <u>Williamsburg, Pennsylvania - (WIBP1)</u> | Flood = 12.0 | 12.58 | 7,830 | Flood = 12.0 | 12.0 (minor) | 19.46 |
| Frankstown Branch Juniata River - (WFO CTP) | 8/3/2018 | August 3, 2018 22:30:00 EST | | 8/4/2018 | 13.0 (moderate) | 18,000 |
| Gage & Town/Blair County | 19:05 | | | 2:50 | 15.0 (major) | September 18, 2004 |
| Passaic | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| <u>Macopin Intake, New Jersey - (MCPN4)</u> | Flood = 5.5 | 5.69 | 1,420 | Flood = 5.5 | 5.5 (minor) | 17.40 |
| Pequannock River - (WFO PHI) | 8/5/2018 | August 5, 2018 6:30:00 EST | | 8/5/2018 | 6.5 (moderate) | 6,100 |
| Gage & Town/Passaic County | 1:40 | | | 15:35 | 7.5 (major) | October 10, 1903 |
| Potomac | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| <u>Fairview, Maryland - (FAVM2)</u> | Flood = 10.0 | 10.37 | 7,470 | Flood = 10.0 | 10.0 (minor) | 24.50 |
| Conococheague CK - (WFO LWX) | 8/2/2018 | August 2, 2018 22:15:00 EST | | 8/3/2018 | 12.0 (Moderate) | 32,400 |
| Gage & Town/Washington County | 19:10 | | | 0:35 | 15.0 (major) | June 23, 1972 |
| <u>Frederick, Maryland - (FDKM2)</u> | Flood = 15.0 | 15.74 | 16,900 | Flood = 15.0 | 15.0 (minor) | 35.90 |
| Monocacy River - (WFO LWX) | 8/4/2018 | August 4, 2018 12:30:00 EST | | 8/5/2018 | 17.0 (moderate) | 81,600 |
| Gage & Town/Frederick County | 9:30 | | | 0:00 | 20.0 (major) | June 23, 1972 |
| <u>Martinsburg, West Virginia - (MBGW2)</u> | Flood = 10.0 | 11.77 | 3,770 | Flood = 10.0 | 10.0 (minor) | 18.76 |
| Opequon Creek - (WFO LWX) | 8/4/2018 | August 4, 2018 20:15:00 EST | | 8/5/2018 | 12.5 (moderate) | 23,400 |
| Gage & Town/Berkeley County | 6:15 | | | 0:20 | 15.0 (major) | January 20, 1996 |
| Rappahannock | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| <u>Culpeper, Virginia - (CLPV2)</u> | Flood = 13.0 | 13.32 | 12,700 | Flood = 13.0 | 13.0 (minor) | 30.40 |
| Rapidan River - (WFO LWX) | 8/4/2018 | August 4, 2018 8:45:00 EST | | 8/4/2018 | 17.0 (moderate) | 59,300 |
| Gage & Town/Culpeper County | 6:00 | | | 10:55 | 21.0 (major) | June 28, 1995 |
| <u>Remington, Virginia - (RENV2)</u> | Flood = 15.0 | 15.41 | 11,400 | Flood = 15.0 | 15.0 (minor) | 30.00 |
| Rappahannock River - (WFO LWX) | 8/4/2018 | August 4, 2018 17:00:00 EST | | 8/4/2018 | 20.0 (moderate) | 90,000 |
| Gage & Town/Fauquier County | 13:45 | | | 20:00 | 25.0 (major) | October 16, 1942 |

| Southeast PA & Delaware | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
|---|----------------------|--|-----------------------|----------------------|----------------------|----------------------------|
| <u>Norristown, Pennsylvania - (NRSP1)</u> | Flood = 13.0 | 13.67 | 33,900 | Flood = 13.0 | 13.0 (minor) | 25.10 |
| Schuylkill River - (WFO PHI) | 8/4/2018 | August 4, 2018 15:50:00 EST | | 8/4/2018 | 17.0 (moderate) | not available |
| Gage & Town/Montgomery County | 12:30 | | | 23:15 | 19.0 (major) | June 23, 1972 |
| Susquehanna (Lower Main Stem) | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| <u>Lancaster, Pennsylvania - (LNCP1)</u> | Flood = 11.0 | 14.28 | 13,800 | Flood = 11.0 | 11.0 (minor) | 27.90 |
| Conestoga River - (WFO CTP) | 8/4/2018 | August 4, 2018 17:00:00 EST | | 8/5/2018 | 13.0 (moderate) | 50,300 |
| Gage & Town/Lancaster County | 10:15 | | | 0:45 | 15.0 (major) | June 23, 1972 |
| Susquehanna Basin (West Branch) | Above FS (ft) | Crest (ft) | Streflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| <u>Beech Creek Station, Pennsylvania</u> | Flood = 11.0 | 11.25 | 4,020 | Flood = 11.0 | 11.0 (minor) | 15.96 |
| Bald Eagle Creek - (WFO CTP) - (BECP1) | 8/3/2018 | August 3, 2018 7:30:00 EST | | 8/3/2018 | 13.0 (moderate) | 13,400 |
| Gage & Town/Clinton County | 6:45 | | | 8:05 | 14.0 (major) | September 18, 2004 |
| <u>Beech Creek Station, Pennsylvania</u> | Flood = 11.0 | 11.37 | 4,110 | Flood = 11.0 | 11.0 (minor) | 15.96 |
| Bald Eagle Creek - (WFO CTP) - (BECP1) | 8/3/2018 | August 3, 2018 15:15:00 EST | | 8/3/2018 | 13.0 (moderate) | 13,400 |
| Gage & Town/Clinton County | 1:40 | | | 17:15 | 14.0 (major) | September 18, 2004 |

Crest Statistics

Flooding - 8/2/2018 - 8/5/2018
 Crests - 8/2/2018 - 8/5/2018
 First flood of 6 - August, 2018
 Seventeenth flood in 2018
 Number of MARFC Forecast Points Flooding - **11**
 Number of Floods Cresting in **Minor** Range - 10
 Number of Floods Cresting in **Moderate** Range - 1
 Number of Floods Cresting in **Major** Range - 0
 Number of Floods Cresting in **Missing** Range - 0
MARFC Power Ranking - 15 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - 0
 E = Estimated

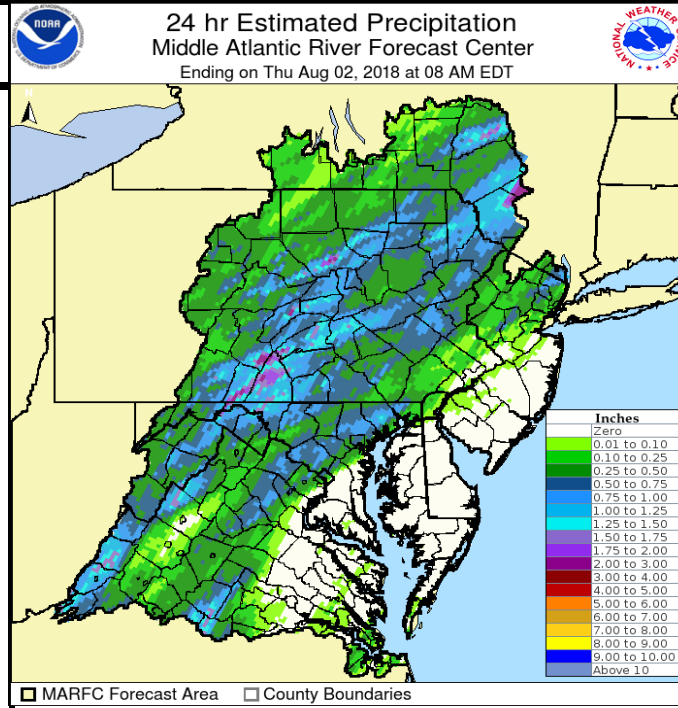
Weather Summary

A trough in the Midwest and Ohio Valley set up a persistent south-southwest flow over the Mid-Atlantic for several days. Though not as extreme as the week before when a similar weather pattern dropped widespread amounts of 6 to over 14 inches of rain fell over much of the region, the wet antecedent conditions from the previous week enabled flooding to occur more readily than might be typical for early August.

TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

8/1/2018 (12 Z) - 8/2/2018 (12 Z)
Amount Location County State

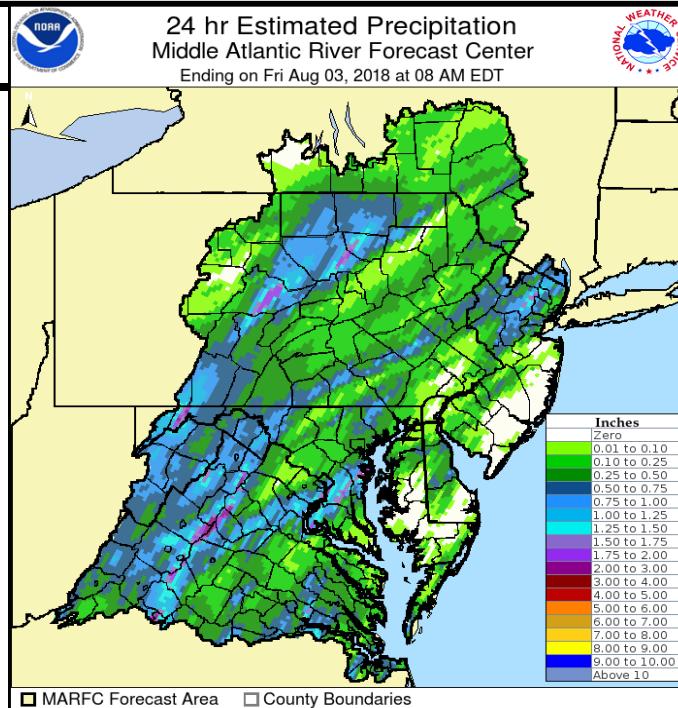
| | | | |
|------|--------------------------|-------------|--|
| 2.37 | Grahamsville, NY | Sullivan | |
| 2.20 | Claryville, NY | Ulster | |
| 2.12 | Williamsport, PA | Lycoming | |
| 2.05 | Neversink Reservoir, NY | Sullivan | |
| 1.98 | Williamsport Airport, PA | Lycoming | |
| 1.92 | East Jewitt, NY | Greene | |
| 1.88 | Laurens, NY | Otsego | |
| 1.79 | Mahanoy City, PA | Schuylkill | |
| 1.74 | Greencastle, PA | Franklin | |
| 1.60 | Williamsville, VA | Highland | |
| 1.55 | Hagerstown, MD | Washington | |
| 1.52 | Milanville, PA | Wayne | |
| 1.48 | Dehart Dam, PA | Dauphin | |
| 1.48 | Walnutport, PA | Northampton | |
| 1.46 | Hawley, PA | Wayne | |
| 1.46 | Meshoppen, PA | Wyoming | |



TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

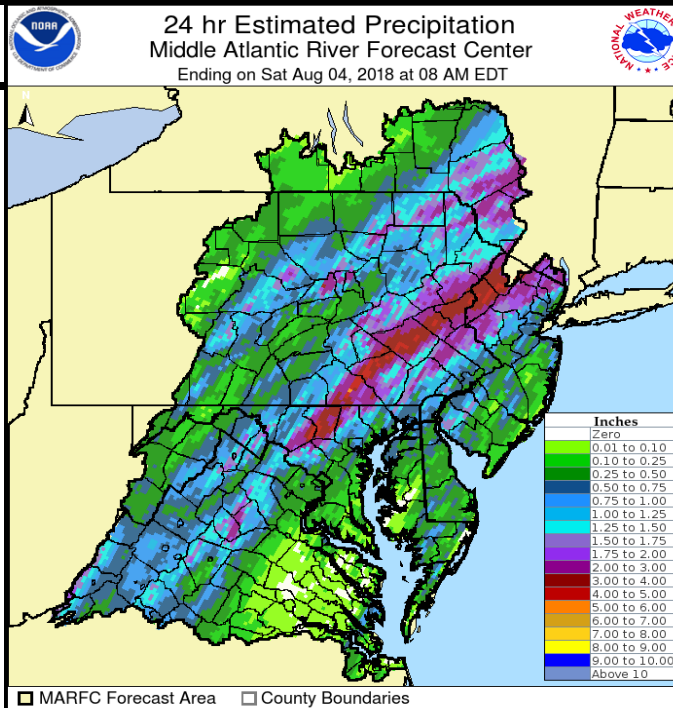
8/2/2018 (12 Z) - 8/3/2018 (12 Z)
Amount Location County State

| | | | |
|------|--------------------------|----------------|--|
| 2.91 | Stanley, VA | Page | |
| 2.69 | Zion, PA | Centre | |
| 2.45 | Covington, VA | Alleghany | |
| 2.22 | Oxon Hill, MD | Prince Georges | |
| 2.09 | Fort Washington, MD | Prince Georges | |
| 2.07 | Luray, VA | Page | |
| 2.01 | State College, PA | Centre | |
| 1.99 | Williamsport Airport, PA | Lycoming | |
| 1.90 | Wardensville, WV | Hampshire | |
| 1.89 | Belle Haven, VA | Fairfax | |
| 1.87 | Frostburg, MD | Alleghany | |
| 1.81 | Sayers Dam, PA | Centre | |
| 1.75 | Cresaptown, MD | Alleghany | |
| 1.70 | Hot Springs, VA | Bath | |
| 1.65 | Somerset, VA | Orange | |



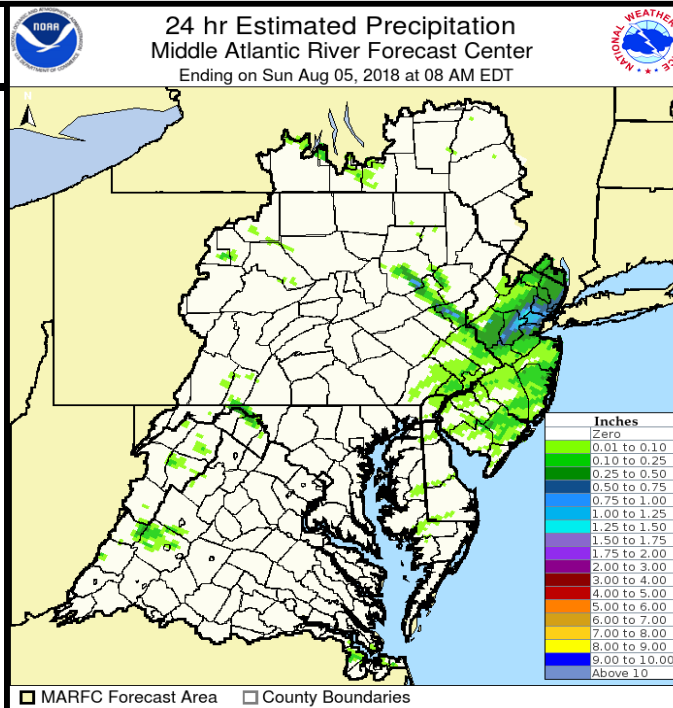
TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

| 8/3/2018 (12 Z) - 8/4/2018 (12 Z) | | | |
|--|-----------------------|---------------|--------------|
| Amount | Location | County | State |
| 5.18 | Hardyston Twp, NJ | Sussex | |
| 4.84 | Andover Twp, NJ | Sussex | |
| 4.54 | Blue Marsh Lake, PA | Berks | |
| 4.35 | Newmanstown, PA | Labanon | |
| 4.30 | Blue Marsh Lake, PA | Berks | |
| 4.22 | Schnecksville, PA | Lehigh | |
| 4.10 | Pequest, NJ | Warren | |
| 3.61 | Reading Airport, PA | Berks | |
| 3.52 | Belvidere, NJ | Warren | |
| 3.39 | Westminster, MD | Carroll | |
| 3.31 | Reading, PA | Berks | |
| 3.29 | Allentown Airport, PA | Lehigh | |
| 3.13 | Lancaster, PA | Lancaster | |
| 3.07 | West Lawn, PA | Berks | |
| 3.00 | Lock Haven, PA | Clinton | |



TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

| 8/4/2018 (12 Z) - 8/5/2018 (12 Z) | | | |
|--|-----------------------|---------------|--------------|
| Amount | Location | County | State |
| 1.97 | Spruce Run, NJ | Hunterdon | |
| 1.73 | New Providence, NJ | Union | |
| 1.60 | Martinsville, NJ | Somerset | |
| 1.57 | Far Hills, NJ | Somerset | |
| 1.34 | Laguardia Airport, NY | Queens | |
| 1.16 | Basking Ridge, NJ | Morris | |
| 1.12 | Florham Park, NJ | Morris | |
| 1.08 | Neshanic, NJ | Somerset | |
| 1.06 | Wertsville, NJ | Hunterdon | |
| 1.03 | Jersey City, NJ | Hudson | |
| 1.00 | Basking Ridge, NJ | Somerset | |



| Floods by MARFC Basins | | | | | | |
|---|--------------------|--------------|-----------------|--------------|----------------|------------------------|
| MARFC Basins | Fcst Points | Minor | Moderate | Major | Unknown | Mod & Major |
| Appomattox | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemung | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 0 | 0 | 0 | 0 | 0 | 0 |
| James | 0 | 0 | 0 | 0 | 0 | 0 |
| Juniata | 1 | 1 | 0 | 0 | 0 | 0 |
| Lehigh | 0 | 0 | 0 | 0 | 0 | 0 |
| Lower Main Stem Susquehanna | 1 | 0 | 1 | 0 | 0 | 1 |
| North Branch Susquehanna | 0 | 0 | 0 | 0 | 0 | 0 |
| Passaic | 1 | 1 | 0 | 0 | 0 | 0 |
| Potomac | 3 | 3 | 0 | 0 | 0 | 0 |
| Rappahannock | 2 | 2 | 0 | 0 | 0 | 0 |
| Raritan | 0 | 0 | 0 | 0 | 0 | 0 |
| SE PA and Delaware (state) | 1 | 1 | 0 | 0 | 0 | 0 |
| Shenandoah | 0 | 0 | 0 | 0 | 0 | 0 |
| Upper Main Stem Susquehanna | 0 | 0 | 0 | 0 | 0 | 0 |
| West Branch Susquehanna | 2 | 2 | 0 | 0 | 0 | 0 |
| Floods by NWS Weather Forecast Offices | | | | | | |
| Forecast Office | Fcst Points | Minor | Moderate | Major | Unknown | Mod & Major |
| Blacksburg, VA (RNK) | 0 | 0 | 0 | 0 | 0 | 0 |
| Binghamton, NY (BGM) | 0 | 0 | 0 | 0 | 0 | 0 |
| Brookhaven, NY (OKX) | 0 | 0 | 0 | 0 | 0 | 0 |
| Philadelphia, PA (PHI) | 2 | 2 | 0 | 0 | 0 | 0 |
| State College, PA (CTP) | 4 | 3 | 1 | 0 | 0 | 1 |
| Sterling, VA (LWX) | 5 | 5 | 0 | 0 | 0 | 0 |
| Wakefield, VA (AKQ) | 0 | 0 | 0 | 0 | 0 | 0 |