

## December 21 - December 26, 2018 Preliminary Flood Summary

James	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Palmyra, Virginia - (PYAV2)</u></a>	Flood = 17.0	<b>19.57</b>	<b>13,800</b>	Flood = 17.0	17.0 (minor)	39.85
Rivanna River - (WFO AKQ)	12/21/2018	<b>December 21, 2018 19:00:00 EST</b>		12/22/2018	25.0 (moderate)	86,000
Gage & Town/Fluvanna County	11:22			1:19	32.0 (major)	August 20, 1969
<a href="#"><u>Richmond, Virginia - (RMDV2)</u></a>	Flood = 12.0	<b>15.15</b>	<b>68,200</b>	Flood = 12.0	12.0 (minor)	28.62
James River - (WFO AKQ)	12/21/2018	<b>December 22, 2018 23:45:00 EST</b>		12/24/2018	15.0 (moderate)	313,000
Gage & Town/Independent City/Henrico County	21:00			12:00	22.0 (major)	June 23, 1972
<a href="#"><u>Richmond City Locks, Virginia - (RICV2)</u></a>	Flood = 8.0	<b>11.58</b>	<b>M</b>	Flood = 8.0	8.0 (minor)	36.50
James River - (WFO AKQ)	12/22/2018	<b>December 22, 2018 20:00:00 EST</b>		12/24/2018	19.0 (moderate)	not available
Gage & Town/Independent City/Henrico County	1:20			10:50	28.0 (major)	June 23, 1972
Juniata Basin	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Shirleysburg, Pennsylvania - (SLYP1)</u></a>	Flood = 10.0	<b>10.00</b>	<b>5,540</b>	Flood = 10.0	10.0 (minor)	19.46
Aughwick Creek - (WFO CTP)	12/22/2018	<b>December 22, 2018 8:15:00 EST</b>		12/22/2018	12.0 (moderate)	44,400
Gage & Town/Huntingdon County	7:45			8:30 AM	20.0 (major)	January 19, 1996
Passaic	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Boonton, NJ (below reservoir)</u></a>	Flood = 5.0	<b>5.63</b>	<b>1,820</b>	Flood = 5.0	5.0 (minor)	9.73
Rockaway River - (WFO PHI) - (BONN4)	12/21/2018	<b>December 22, 2018 6:00:00 EST</b>		12/22/2018	7.0 (moderate)	6,140
Gage & Town/Morris County	19:00			23:20	8.0 (major)	August 28, 2011
<a href="#"><u>Little Falls, New Jersey - (LTFN4)</u></a>	Flood = 7.0	<b>7.38</b>	<b>7,180</b>	Flood = 7.0	7.0 (minor)	17.50
Passaic River - (WFO PHI)	12/22/2018	<b>December 23, 2018 6:45:00 EST</b>		12/24/2018	8.0 (moderate)	31,700
Gage & Town/Passaic County	15:30			9:50	9.0 (major)	October 10, 1903
<a href="#"><u>Lodi, New Jersey - (LODN4)</u></a>	Flood = 6.0	<b>E6.20</b>	<b>M</b>	Flood = 6.0	6.0 (minor)	13.94
Saddle River - (WFO OKX)	12/21/2018	<b>December 21, 2018 E 12:00:00 EST</b>		12/21/2018	7.0 (moderate)	5,330
Gage & Town/Bergen County	E 10:00			E 15:00	8.0 (major)	September 17, 1999
<a href="#"><u>Macopin Intake, New Jersey - (MCPN4)</u></a>	Flood = 5.5	<b>5.62</b>	<b>1,350</b>	Flood = 5.5	5.5 (minor)	17.40
Pequannock River - (WFO PHI)	12/21/2018	<b>December 22, 2018 00:00:00 EST</b>		12/22/2018	6.5 (moderate)	6,100
Gage & Town/Passaic County	16:45			10:55	7.5 (major)	October 10, 1903

<b><u>Mahwah, New Jersey - (MAWN4)</u></b>	Flood = 8.0	<b>8.12</b>	<b>3,410</b>	Flood = 8.0	8.0 (minor)	15.77
Ramapo River - (WFO OKX)	12/21/2018	<b>December 21, 2018 23:15:00 EST</b>		12/22/2018	9.0 (moderate)	15,000
Gage & Town/Bergen County	15:15			4:10	12.0 (major)	August 28, 2011
<b><u>Pine Brook, New Jersey - (PINN4)</u></b>	Flood = 19.0	<b>19.83</b>	<b>2,940</b>	Flood = 19.0	19.0 (minor)	24.12
Passaic River - (WFO PHI)	12/21/2018	<b>December 23, 2018 4:00:00 EST</b>		12/26/2018	20.0 (moderate)	9,750
Gage & Town/Morris County	19:00			13:00	21.0 (major)	August 30, 2011
<b><u>Pompton Plains, New Jersey - (PPPN4)</u></b>	Flood = 16.0	<b>16.17</b>	<b>7,630</b>	Flood = 16.0	16.0 (minor)	25.24
Pompton River - (WFO PHI)	12/22/2018	<b>December 22, 2018 8:00:00 EST</b>		12/22/2018	18.0 (moderate)	missing
Gage/Passaic County - Town/Morris County	2:05			14:20	19.0 (major)	August 29, 2011
<b><u>Wanaque, New Jersey - (WNQN4)</u></b>	Flood = 6.0	<b>6.12</b>	<b>1,650</b>	Flood = 6.0	6.0 (minor)	10.82
Wanaque River - (WFO PHI)	12/21/2018	<b>December 21, 2018 22:05:00 EST</b>		12/22/2018	8.0 (moderate)	10,500
Gage & Town/Passaic County	18:15			7:37	9.0 (major)	April 5, 1984
<b>Potomac</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<b><u>Edwards Ferry, Maryland - (EDFM2)</u></b>	Flood = 15.0	<b>16.08</b>	<b>M</b>	Flood = 10.0	15.0 (minor)	22.42
Potomac River - (WFO LWX)	12/22/2018	<b>December 23, 2018 9:00:00 EST</b>		12/23/2018	17.0 (Moderate)	not available
Gage & Town/Montgomery County	20:05			23:40	24.0 (major)	June 4, 2018
<b><u>Great Cacapon, West Virginia - (GCPW2)</u></b>	Flood = 9.0	<b>9.28</b>	<b>7,430</b>	Flood = 9.0	9.0 (minor)	30.10
Cacapon River - (WFO LWX)	12/22/2018	<b>December 22, 2018 13:30:00 EST</b>		12/22/2018	16.0 (moderate)	87,600
Gage & Town/Morgan County	10:50			17:10	20.0 (major)	March 18, 1936
<b>Shenandoah</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<b><u>Millville, West Virginia - (MILW2)</u></b>	Flood = 10.0	<b>12.51</b>	<b>34,800</b>	Flood = 10.0	10.0 (minor)	32.40
Shenandoah River - (WFO LWX)	12/22/2018	<b>December 22, 2018 18:45:00 EST</b>		12/23/2018	14.0 (moderate)	230,000
Gage & Town/Jefferson County	4:50			20:25	17.0 (major)	October 16, 1942
<b>Southeast PA &amp; Delaware</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<b><u>Chadds Ford, Pennsylvania - (CDFP1)</u></b>	Flood = 9.0	<b>9.86</b>	<b>6,400</b>	Flood = 9.0	9.0 (minor)	17.15
Brandywine Creek/Christina Basin - (WFO PHI)	12/21/2018	<b>December 21, 2018 13:45:00 EST</b>		12/21/2018	11.0 (moderate)	26,900
Gage & Town/Delaware County	9:20			17:57	13.0 (major)	September 17, 1999
<b>Susquehanna (Lower Main Stem)</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<b><u>Penns Creek, Pennsylvania - (PNCP1)</u></b>	Flood = 8.0	<b>8.29</b>	<b>6,100</b>	Flood = 8.0	8.0 (minor)	14.85
Penns Creek/Basin - (WFO CTP)	12/22/2018	<b>December 22, 2018 12:00:00 EST</b>		12/22/2018	10.0 (moderate)	34,600
Gage/Union County - Town/Snyder County	5:25			16:40	12.0 (major)	June 23, 1972

### Crest Statistics

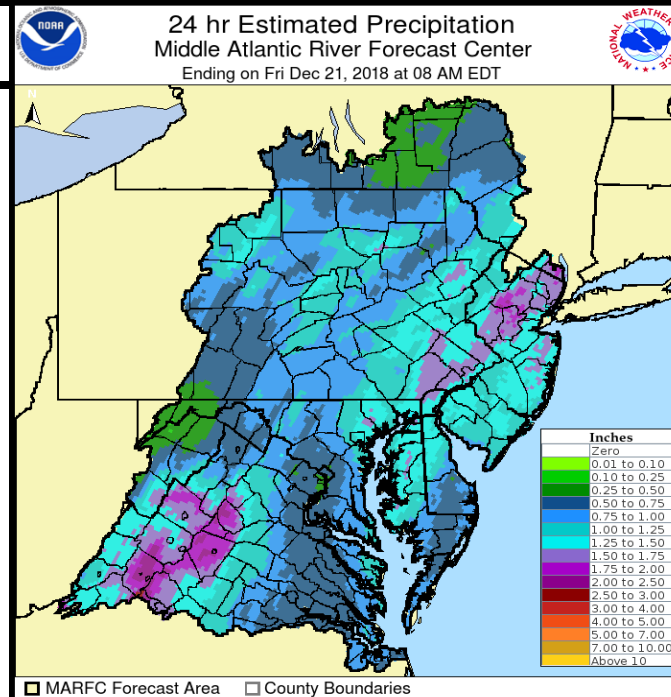
Flooding - 12/21/2018 - 12/26/2018  
 Crests - 12/21/2018 - 12/23/2018  
 Second flood of 3 - December, 2018  
 34th flood in 2018  
 Number of MARFC Forecast Points Flooding - **17**  
 Number of Floods Cresting in **Minor** Range - 16  
 Number of Floods Cresting in **Moderate** Range - 1  
 Number of Floods Cresting in **Major** Range - 0  
 Number of Floods Cresting in **Missing** Range - 0  
**MARFC Power Ranking** - 21 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)  
 Number of MARFC records - 0  
 E = Estimated

### Weather Summary

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

**12/20/2018 (12 Z) - 12/21/2018 (12 Z)**  
**Amount Location County State**

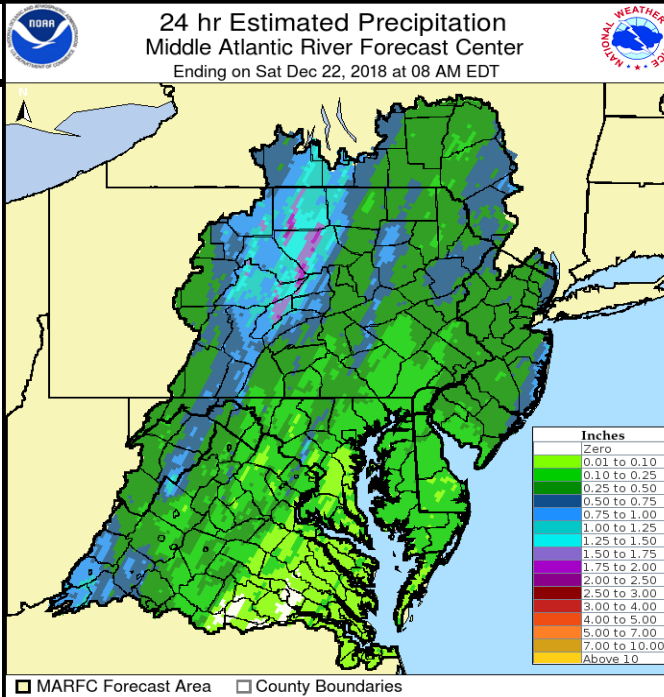
- 3.57 Glasgow, VA Amherst
- 2.78 Mount Pocono, PA Monroe
- 2.72 Buena Vista, VA Rockbridge
- 2.67 Crozet, VA Augusta
- 2.60 Matthews Arm, VA Page
- 2.60 Pedlar Dam, VA Amherst
- 2.45 Natural Bridge, VA Rockbridge
- 2.44 Moneta, VA Bedford
- 2.42 Pedlar Dam, VA Amherst
- 2.38 Lynchburg, VA Campbell
- 2.36 West Milford Twp., NJ Passaic
- 2.32 West Milford, NJ Passaic
- 2.27 Four Bridges, NJ Morris
- 2.27 Canadensis, PA Monroe
- 2.27 Waynesboro City, VA



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

**12/21/2018 (12 Z) - 12/22/2018 (12 Z)**  
**Amount Location County State**

1.84	Lewistown, PA	Mifflin	
1.82	East Jewitt, NY	Greene	
1.68	Phoenicia, NY	Ulster	
1.65	Waterloo, NY	Seneca	
1.57	Newfield, NY	Tompkins	
1.56	Galeton, PA	Potter	
1.45	Corning, NY	Steuben	
1.43	Loyalsockville, PA	Lycoming	
1.43	Wellsboro, PA	Tioga	
1.40	Smith Valley, NY	Schuyler	
1.39	Tyrone, NY	Schuyler	
1.38	Gaithersburg, MD	Montgomery	
1.36	Mansfield, PA	Tioga	
1.35	Ocean Twp., NJ	Monmouth	
1.33	Addison, NY	Steuben	



<b>Floods by MARFC Basins</b>						
<b>MARFC Basins</b>	<b>Fcst Points</b>	<b>Minor</b>	<b>Moderate</b>	<b>Major</b>	<b>Unknown</b>	<b>Mod &amp; Major</b>
Appomattox	0	0	0	0	0	0
Chemung	0	0	0	0	0	0
Delaware	0	0	0	0	0	0
James	3	2	1	0	0	1
Juniata	1	1	0	0	0	0
Lehigh	0	0	0	0	0	0
Lower Main Stem Susquehanna	1	1	0	0	0	0
North Branch Susquehanna	0	0	0	0	0	0
Passaic	8	8	0	0	0	0
Potomac	2	2	0	0	0	0
Rappahannock	0	0	0	0	0	0
Raritan	0	0	0	0	0	0
SE PA and Delaware (state)	1	1	0	0	0	0
Shenandoah	1	1	0	0	0	0
Upper Main Stem Susquehanna	0	0	0	0	0	0
West Branch Susquehanna	0	0	0	0	0	0
<b>Floods by NWS Weather Forecast Offices</b>						
<b>Forecast Office</b>	<b>Fcst Points</b>	<b>Minor</b>	<b>Moderate</b>	<b>Major</b>	<b>Unknown</b>	<b>Mod &amp; Major</b>
Blacksburg, VA (RNK)	0	0	0	0	0	0
Binghamton, NY (BGM)	0	0	0	0	0	0
Brookhaven, NY (OKX)	2	2	0	0	0	0
Philadelphia, PA (PHI)	7	7	0	0	0	0
State College, PA (CTP)	2	2	0	0	0	0
Sterling, VA (LWX)	3	3	0	0	0	0
Wakefield, VA (AKQ)	3	2	1	0	0	1