

## November 30 - December 1, 2020 Preliminary Flood Summary

<b>Appomattox</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streamflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<a href="#"><u>Farmville, Virginia - (FRMV2)</u></a>	Flood = 16.0	<b>17.12</b>	<b>5,340</b>	Flood = 16.0	16.0 (minor)	29.70
Appomattox River - (WFO AKQ)	12/1/2020	<b>December 1, 2020 10:35:00 EST</b>		12/1/2020	20.0 (moderate)	33,100
Gage/Cumberland Co - Town/Prince Edward Co	3:40			18:35	25.0 (major)	June 22, 1972
<b>James</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streamflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<a href="#"><u>Richmond, Virginia - (RMDV2)</u></a>	Flood = 12.0	<b>13.22</b>	<b>51,200</b>	Flood = 12.0	12.0 (minor)	28.62
James River - (WFO AKQ)	12/1/2020	<b>December 1, 2020 15:00:00 EST</b>		12/1/2020	15.0 (moderate)	313,000
Gage & Town/Independent City/Henrico County	7:15			23:20	22.0 (major)	June 23, 1972
<a href="#"><u>Richmond City Locks, Virginia - (RICV2)</u></a>	Flood = 8.0	<b>8.21</b>	<b>M</b>	Flood = 8.0	8.0 (minor)	36.50
James River - (WFO AKQ)	12/1/2020	<b>December 1, 2020 17:50:00 EST</b>		12/1/2020	19.0 (moderate)	not available
Gage & Town/Independent City/Henrico County	15:50			19:35	28.0 (major)	June 23, 1972
<b>Passaic</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streamflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<a href="#"><u>Boonton, NJ (below reservoir)</u></a>	Flood = 5.0	<b>5.00</b>	<b>1,450</b>	Flood = 5.0	5.0 (minor)	9.73
Rockaway River - (WFO PHI) - (BONN4)	12/1/2020	<b>December 1, 2020 13:25:00 EST</b>		12/1/2020	7.0 (moderate)	6,140
Gage & Town/Morris County	13:00			13:40	8.0 (major)	August 28, 2011
<b>Raritan</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streamflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<a href="#"><u>Blackwells Mills, New Jersey - (BKWN4)</u></a>	Flood = 9.0	<b>9.42</b>	<b>4,170</b>	Flood = 9.0	9.0 (minor)	21.24
Millstone River - (WFO PHI)	12/1/2020	<b>December 1, 2020 13:30:00 EST</b>		12/1/2020	10.0 (moderate)	20,700
Gage & Town/Somerset County	7:30			20:05	15.0 (major)	August 28, 2011
<a href="#"><u>Manville, New Jersey - (MNVN4)</u></a>	Flood = 14.0	<b>14.02</b>	<b>13,400</b>	Flood = 14.0	14.0 (minor)	27.10
Raritan River - (WFO PHI)	12/1/2020	<b>December 1, 2020 7:20:00 EST</b>		12/1/2020	17.0 (moderate)	77,600
Gage & Town/Somerset County	6:45			8:00	20.0 (major)	September 16, 1999
<a href="#"><u>Stanton, New Jersey - (STTN4)</u></a>	Flood = 8.0	<b>8.92</b>	<b>5,350</b>	Flood = 8.0	8.0 (minor)	15.22
South Branch Raritan River - (WFO PHI)	11/30/2020	<b>November 30, 2020 20:20:00 EST</b>		11/30/2020	10.0 (moderate)	18,000
Gage & Town/Hunterdon County	17:00			23:40	12.0 (major)	August 19, 1955

<b>Southeast PA &amp; Delaware</b>	<b>Above FS (ft)</b>	<b>Crest (ft)</b>	<b>Streamflow (cfs)</b>	<b>Below FS (ft)</b>	<b>Category (ft)</b>	<b>Record (ft) - (cfs)</b>
<a href="#"><u>Chadds Ford, Pennsylvania - (CDFP1)</u></a>	Flood = 9.0	<b>9.91</b>	<b>6,460</b>	Flood = 9.0	9.0 (minor)	17.15
Brandywine Creek/Christina Basin - (WFO PHI)	11/30/2020	<b>December 1, 2020 00:15:00 EST</b>		12/1/2020	11.0 (moderate)	26,900
Gage & Town/Delaware County	18:20			7:30	13.0 (major)	September 17, 1999
<a href="#"><u>Graterford, Pennsylvania - (GRAP1)</u></a>	Flood = 11.0	<b>12.46</b>	<b>17,900</b>	Flood = 11.0	11.0 (minor)	19.14
Perkiomen Creek - (WFO PHI)	11/30/2020	<b>November 30, 2020 21:00:00 EST</b>		12/1/2020	13.0 (moderate)	44,600
Gage & Town/Montgomery County	17:28			1:35	16.0 (major)	August 4, 2020
<a href="#"><u>Langhorne, Pennsylvania - (LNGP1)</u></a>	Flood = 9.0	<b>9.38</b>	<b>7,250</b>	Flood = 9.0	9.0 (minor)	22.84
Neshaminy Creek - (WFO PHI)	11/30/2020	<b>November 30, 2020 22:15:00 EST</b>		12/1/2020	12.0 (moderate)	49,300
Gage & Town/Bucks County	21:35			1:23	14.0 (major)	August 19, 1955
<a href="#"><u>Norristown, Pennsylvania - (NRSP1)</u></a>	Flood = 13.0	<b>13.80</b>	<b>34,800</b>	Flood = 13.0	13.0 (minor)	25.10
Schuylkill River - (WFO PHI)	11/30/2020	<b>November 30, 2020 23:45:00 EST</b>		12/1/2020	17.0 (moderate)	not available
Gage & Town/Montgomery County	20:00			5:00	19.0 (major)	June 23, 1972



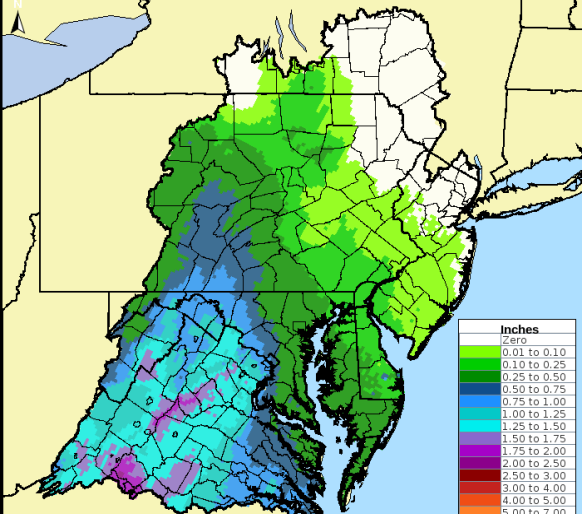
**Crest Statistics**

Flooding - 11/30/2020 - 12/1/2020  
 Crests - 11/30/2020 - 12/1/2020  
 Second flood of 2 - November, 2020  
 Twelfth flood in 2020  
 Number of MARFC Forecast Points Flooding - 11  
 Number of Floods Cresting in **Minor** Range - 11  
 Number of Floods Cresting in **Moderate** Range - 0  
 Number of Floods Cresting in **Major** Range - 0  
 Number of Floods Cresting in **Missing** Range - 0  
**MARFC Power Ranking** - 11 (Minor = 1 - Moderate = 5 - Major = 10 - Missing = 1)  
 Number of MARFC records - 0  
 E = Estimated

## Weather Summary

An early winter storm brought rain to the Mid-Atlantic region as well as thunderstorms with heavy rainfall to eastern and southern parts.

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

11/29/2020 (12 Z) - 11/30/2020 (12 Z) Amount Location County State	 <b>24 hr Estimated Precipitation</b> Middle Atlantic River Forecast Center Ending on Mon Nov 30, 2020 at 07 AM EST 	
2.47 Buckingham, VA Buckingham		
2.38 Lynchburg, VA Campbell		
2.20 Lynchburg Airport, VA Campbell		
2.19 Madison Heights, VA Amherst		
2.15 Charlottesville, VA Albemarle		
2.13 Buckingham, VA Buckingham		
1.99 Glasgow, VA Amherst		
1.94 Orange, VA Orange		
1.90 Pamplin, VA Prince Edward		
1.81 Toms Branch, VA Augusta		
1.80 Charlottesville, VA Albemarle		
1.80 Pedlar Dam, VA Amherst		
1.77 Sperryville, VA Rappahannock		
1.71 Kents Store, VA Goochland		
1.70 Moneta, VA Bedford		

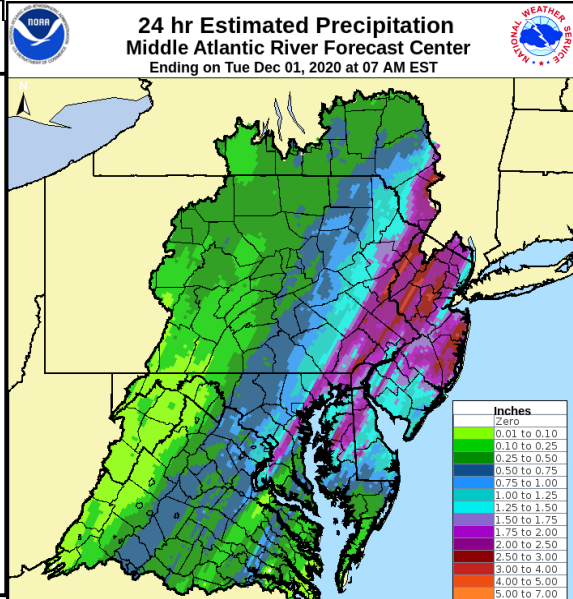
**TOP 24-HOUR P**


3.00 to 7.00  
7.00 to 10.00  
Above 10

ent and in inches)

**11/30/2020 (12 Z) - 12/1/2020 (12 Z)**  
**Amount Location County State**

3.65	Califon, NJ	Hunterdon	
3.56	Cannistear, NJ	Sussex	
3.54	Lebanon, NJ	Hunterdon	
3.52	Clinton Twp., NJ	Hunterdon	
3.32	Wawayanda, NJ	Sussex	
3.30	Newark, DE	New Castle	
3.21	West Milford Twp., NJ	Passaic	
3.17	Hardyston Twp., NJ	Sussex	
3.13	Otisville, NY	Orange	
3.12	Oak Ridge Reservoir, NJ	Passaic	
3.11	Lebanon, NJ	Hunterdon	
3.02	Springtown, PA	Bucks	
3.02	Kingsville, MD	Baltimore	
2.98	Phillipsburg, NJ	Warren	
2.96	Basking Ridge, NJ	Morris	
2.96	West Milford, NJ	Passaic	



							
<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	1	1	0	0	0	0	
Chemung	0	0	0	0	0	0	
Delaware	0	0	0	0	0	0	
James	2	2	0	0	0	0	
Juniata	0	0	0	0	0	0	
Lehigh	0	0	0	0	0	0	
Lower Main Stem Susquehanna	0	0	0	0	0	0	
North Branch Susquehanna	0	0	0	0	0	0	
Passaic	1	1	0	0	0	0	
Potomac	0	0	0	0	0	0	
Rappahannock	0	0	0	0	0	0	
Raritan	3	3	0	0	0	0	
SE PA and Delaware (state)	4	4	0	0	0	0	
Shenandoah	0	0	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)	0	0	0	0	0	0	
Philadelphia, PA (PHI)	8	8	0	0	0	0	
State College, PA (CTP)	0	0	0	0	0	0	
Sterling, VA (LWX)	0	0	0	0	0	0	
Wakefield, VA (AKQ)	3	3	0	0	0	0	