

December 15 - December 18, 2018 Preliminary Flood Summary

Appomattox	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Farmville, Virginia - (FRMV2)	Flood = 16.0	16.05	4,190	Flood = 16.0	16.0 (minor)	29.70
Appomattox River - (WFO AKQ)	12/16/2018	December 16, 2018		12/16/2018	20.0 (moderate)	33,100
Gage/Cumberland Co - Town/Prince Edward Co	5:20	7:45:00 EST		10:15	25.0 (major)	June 22, 1972
James	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Richmond, Virginia - (RMDV2)	Flood = 12.0	13.78	55,700	Flood = 12.0	12.0 (minor)	28.62
James River - (WFO AKQ)	12/16/2018	December 17, 2018		12/18/2018	15.0 (moderate)	313,000
Gage & Town/Independent City/Henrico County	2:30	5:30:00 EST		13:40	22.0 (major)	June 23, 1972
Richmond City Locks, Virginia - (RICV2)	Flood = 8.0	9.70	M	Flood = 8.0	8.0 (minor)	36.50
James River - (WFO AKQ)	12/16/2018	December 17, 2018		12/18/2018	19.0 (moderate)	not available
Gage & Town/Independent City/Henrico County	9:01	13:35:00 EST		6:15	28.0 (major)	June 23, 1972
Potomac	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Dawsonville, Maryland - (DAWM2)	Flood = 7.5	8.98	3,610	Flood = 7.5	7.5 (minor)	16.40
Seneca Creek - (WFO LWX)	12/15/2018	December 16, 2018		12/16/2018	11.0 (moderate)	26,100
Gage & Town/Montgomery County	22:11	1:40:00 EST		12:25	16.0 (major)	June 22, 1972
Edwards Ferry, Maryland - (EDFM2)	Flood = 15.0	20.98	M	Flood = 10.0	15.0 (minor)	22.42
Potomac River - (WFO LWX)	12/16/2018	December 17, 2018		12/18/2018	17.0 (Moderate)	not available
Gage & Town/Montgomery County	15:07	9:00:00 EST		17:00	24.0 (major)	June 4, 2018
Frederick, Maryland - (FDKM2)	Flood = 15.0	16.36	18,100	Flood = 15.0	15.0 (minor)	35.90
Monocacy River - (WFO LWX)	12/16/2018	December 16, 2018		12/17/2018	17.0 (moderate)	81,600
Gage & Town/Frederick County	9:40	20:45:00 EST		2:00	20.0 (major)	June 23, 1972
Great Cacapon, West Virginia - (GCPW2)	Flood = 9.0	13.05	15,200	Flood = 9.0	9.0 (minor)	30.10
Cacapon River - (WFO LWX)	12/15/2018	December 16, 2018		12/17/2018	16.0 (moderate)	87,600
Gage & Town/Morgan County	23:53	10:30:00 EST		6:15	20.0 (major)	March 18, 1936
Harpers Ferry, West Virginia - (HFEW2)	Flood = 18.0	E18.81	M	Flood = 18.0	18.0 (minor)	36.50
Potomac River - (WFO LWX)	12/16/2018	December 17, 2018		12/17/2018	21.0 (moderate)	not available
Gage & Town/Jefferson County	E 19:40	E 2:30:00 EST		E 11:25	24.0 (major)	March 19, 1936

<u>Leesburg, Virginia - (LEEV2)</u>	Flood = 12.0	14.75	9,990	Flood = 12.0	12.0 (minor)	30.59
Goose Creek - (WFO LWX)	12/15/2018	December 16, 2018 8:15:00 EST		12/16/2018	15.0 (moderate)	78,100
Gage & Town/Loudoun County	19:40			18:08	18.0 (major)	June 22, 1972
<u>Little Falls, Maryland - (BRKM2)</u>	Flood = 10.0	11.56	159,000	Flood = 10.0	10.0 (minor)	28.10
Potomac River - (WFO LWX)	12/16/2018	December 17, 2018 13:10:00 EST		12/18/2018	12.0 (moderate)	484,000
Gage & Town/Montgomery County	23:53			6:25	14.0 (major)	March 19, 1936
<u>Martinsburg, West Virginia - (MBGW2)</u>	Flood = 10.0	13.52	6,320	Flood = 10.0	10.0 (minor)	18.76
Opequon Creek - (WFO LWX)	12/15/2018	December 16, 2018 16:00:00 EST		12/17/2018	12.5 (moderate)	23,400
Gage & Town/Berkeley County	21:40			5:50	15.0 (major)	January 20, 1996
<u>Paw Paw, West Virginia - (PAWW2)</u>	Flood = 25.0	25.35	50,900	Flood = 25.0	25.0 (minor)	54.00
Potomac River - (WFO LWX)	12/16/2018	December 16, 2018 14:15:00 EST		12/16/2018	28.0 (moderate)	240,000
Gage/Allegany Co MD - Town/Morgan Co WV	9:30			18:40	32.0 (major)	March 18, 1936
<u>Point of Rocks, Maryland - (PORM2)</u>	Flood = 16.0	22.40	143,000	Flood = 16.0	16.0 (minor)	41.03
Potomac River - (WFO LWX)	12/16/2018	December 17, 2018 7:45:00 EST		12/18/2018	20.0 (moderate)	480,000
Gage & Town/Frederick County	16:08			4:55	25.0 (major)	March 19, 1936
Shepherdstown, West Virginia	Flood = 15.0	22.11	102,000	Flood = 15.0	15.0 (minor)	42.07
Potomac River - (WFO LWX) - (SHEW2)	12/16/2018	December 17, 2018 3:00:00 EST		12/18/2018	22.0 (moderate)	335,000
Gage & Town/Jefferson County	10:35			2:45	25.0 (major)	March 19, 1936
<u>Springfield, West Virginia (SPRW2)</u>	Flood = 15.0	16.25	24,700	Flood = 15.0	15.0 (minor)	44.22
South Branch Potomac River - (WFO LWX)	12/16/2018	December 16, 2018 10:40:00 EST		12/16/2018	19.0 (moderate)	240,000
Gage & Town/Hampshire County	4:30			20:10	25.0 (major)	November 5, 1985
Rappahannock	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Remington, Virginia - (RENV2)</u>	Flood = 15.0	18.45	18,400	Flood = 15.0	15.0 (minor)	30.00
Rappahannock River - (WFO LWX)	12/15/2018	December 16, 2018 14:45:00 EST		12/17/2018	20.0 (moderate)	90,000
Gage & Town/Fauquier County	19:50			4:20	25.0 (major)	October 16, 1942
Shenandoah	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Millville, West Virginia - (MILW2)</u>	Flood = 10.0	12.77	36,200	Flood = 10.0	10.0 (minor)	32.40
Shenandoah River - (WFO LWX)	12/16/2018	December 16, 2018 22:45:00 EST		12/18/2018	14.0 (moderate)	230,000
Gage & Town/Jefferson County	10:37			0:05	17.0 (major)	October 16, 1942

Crest Statistics

Flooding - 12/15/2018 - 12/18/2018

Crests - 12/16/2018 - 12/17/2018

First flood of 3 - December, 2018

33rd flood in 2018

Number of MARFC Forecast Points Flooding - **17**

Number of Floods Cresting in **Minor** Range - 13

Number of Floods Cresting in **Moderate** Range - 4

Number of Floods Cresting in **Major** Range - 0

Number of Floods Cresting in **Missing** Range - 0

MARFC Power Ranking - 33 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)

Number of MARFC records - 0

E = Estimated

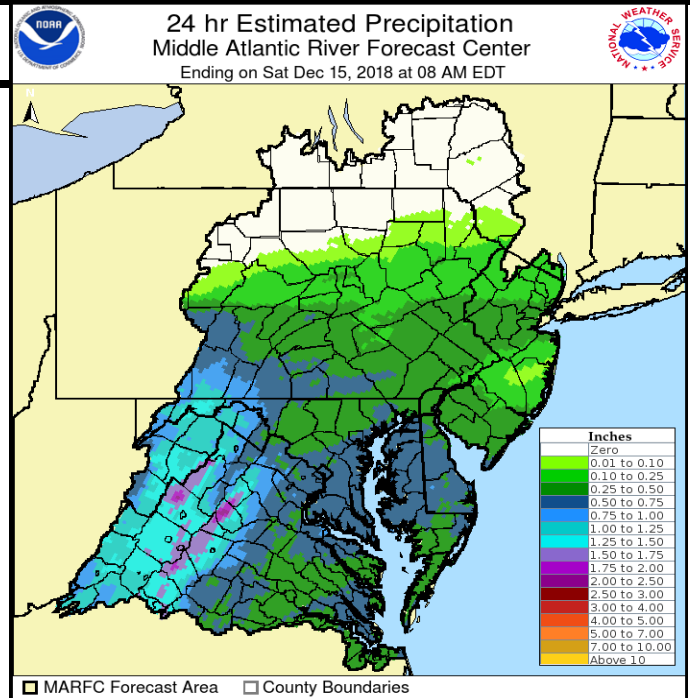
Weather Summary

A storm system passed through the Mid-Atlantic bringing moderate to heavy rain followed up with a fairly slow moving upper level low which continued the moderate to heavy rain over a more extended period of time. The majority of the heaviest rain was focused on the Potomac River basin.

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

12/14/2018 (12 Z) - 12/15/2018 (12 Z)
Amount Location County State

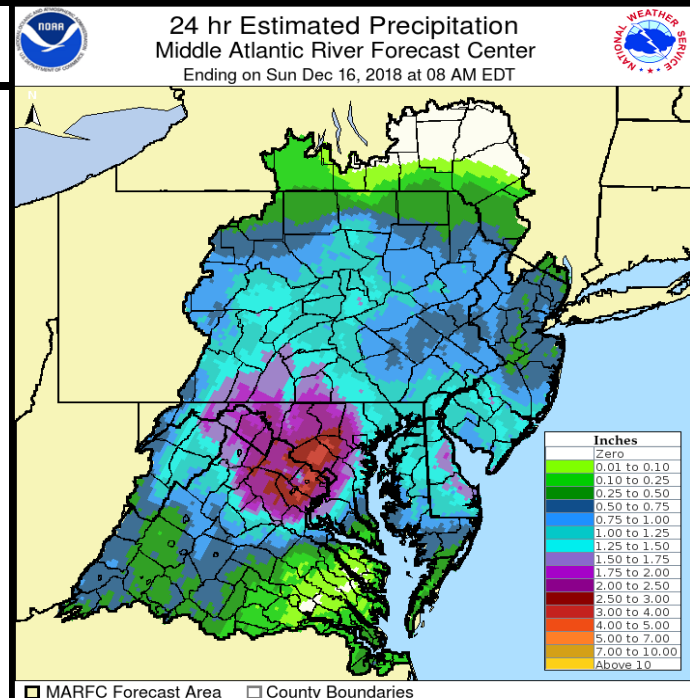
2.54	Madison, VA	Madison
2.48	Lewis Mountain Camp, VA	Page
1.98	Glasgow, VA	Amherst
1.73	Washington, VA	Rappahannock
1.70	Crozet, VA	Augusta
1.70	Charlottesville, VA	Albemarle
1.67	Big Island, VA	Bedford
1.62	Lynchburg, VA	Campbell
1.55	Haywood, VA	Madison
1.55	Rockfish, VA	Nelson
1.52	Cresaptown, MD	Allegany
1.45	Cumberland, MD	Allegany
1.45	Frostburg, MD	Allegany
1.44	Keyser, WV	Mineral
1.44	Rockfish, VA	Nelson



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12/15/2018 (12 Z) - 12/16/2018 (12 Z)
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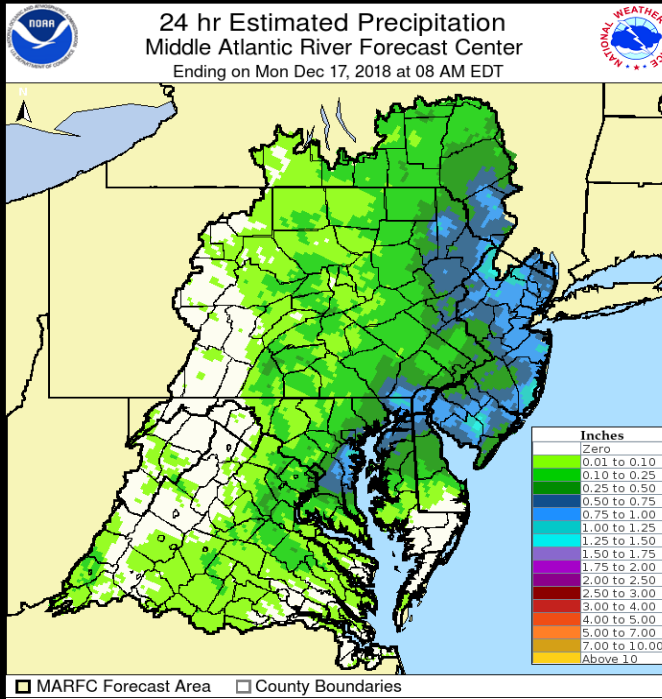
3.51	Burke, VA	Fairfax
3.40	Vienna, VA	Fairfax
3.39	Vienna, VA	Fairfax
3.35	Vienna, VA	Fairfax
3.35	McLean, VA	Fairfax
3.31	Kings Park, VA	Fairfax
3.20	Hipsley Mill, MD	Howard
3.19	McLean, VA	Fairfax
3.07	Vienna, VA	Fairfax
3.07	Alexandria, VA	
2.97	Brookville, MD	Montgomery
2.95	Royal Lake, VA	Fairfax
2.90	Cooksville, MD	Howard
2.86	Potomac, MD	Montgomery
2.83	Gaithersburg, MD	Montgomery



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

12/16/2018 (12 Z) - 12/17/2018 (12 Z)
Amount Location County State

1.40	Charlotteburg, NJ	Passaic	
1.33	New Providence, NJ	Union	
1.32	Wawayanda, NJ	Sussex	
1.32	Hardyston, NJ	Sussex	
1.28	Charlotteburg, NJ	Passaic	
1.28	Harrison, NJ	Hudson	
1.27	Vernon Twp., NJ	Sussex	
1.26	Charlotteburg, NJ	Passaic	
1.17	Wall Twp., NJ	Monmouth	
1.17	Ocean Twp., NJ	Monmouth	
1.16	Oak Ridge Reservoir, NJ	Passaic	
1.16	Pompton Lakes, NJ	Passaic	
1.15	West Milford Twp., NJ	Passaic	
1.14	Flatbrookville, NJ	Sussex	
1.13	Hammonton, NJ	Atlantic	



Floods by MARFC Basins						
MARFC Basins	Fcst Points	Minor	Moderate	Major	Unknown	Mod & Major
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	0	0	0	0	0	0
Potomac	12	8	4	0	0	4
Rappahannock	1	1	0	0	0	0
Raritan	0	0	0	0	0	0
SE PA and Delaware (state)	0	0	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
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)	0	0	0	0	0	0
State College, PA (CTP)	0	0	0	0	0	0
Sterling, VA (LWX)	14	10	4	0	0	4
Wakefield, VA (AKQ)	3	3	0	0	0	0