

March 21 - March 23, 2019 Preliminary Flood Summary

James	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Palmyra, Virginia - (PYAV2)</u>	Flood = 17.0	17.20	11,300	Flood = 17.0	17.0 (minor)	39.85
Rivanna River - (WFO AKQ)	3/22/2019	March 22, 2019 9:40:00 EST		3/22/2019	25.0 (moderate)	86,000
Gage & Town/Fluvanna County	8:10			10:28	32.0 (major)	August 20, 1969
<u>Richmond, Virginia - (RMDV2)</u>	Flood = 12.0	12.78	47,800	Flood = 12.0	12.0 (minor)	28.62
James River - (WFO AKQ)	3/22/2019	March 22, 2019 18:20:00 EST		3/23/2019	15.0 (moderate)	313,000
Gage & Town/Independent City/Henrico County	11:05			2:00	22.0 (major)	June 23, 1972
Potomac	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Dawsonville, Maryland - (DAWM2)</u>	Flood = 7.5	8.73	3,330	Flood = 7.5	7.5 (minor)	16.40
Seneca Creek - (WFO LWX)	3/21/2019	March 21, 2019 21:45:00 EST		3/22/2019	11.0 (moderate)	26,100
Gage & Town/Montgomery County	17:48			7:24	16.0 (major)	June 22, 1972
<u>Frederick, Maryland - (FDKM2)</u>	Flood = 15.0	16.59	18,600	Flood = 15.0	15.0 (minor)	35.90
Monocacy River - (WFO LWX)	3/22/2019	February 22, 2019 15:15:00 EST		3/22/2019	17.0 (moderate)	81,600
Gage & Town/Frederick County	4:20			22:00	20.0 (major)	June 23, 1972
<u>Leesburg, Virginia - (LEEV2)</u>	Flood = 12.0	14.17	9,460	Flood = 12.0	12.0 (minor)	30.59
Goose Creek - (WFO LWX)	3/21/2019	March 22, 2019 7:35:00 EST		3/22/2019	15.0 (moderate)	78,100
Gage & Town/Loudoun County	22:40			12:55	18.0 (major)	June 22, 1972
<u>Martinsburg, West Virginia - (MBGW2)</u>	Flood = 10.0	12.02	4,060	Flood = 10.0	10.0 (minor)	18.76
Opequon Creek - (WFO LWX)	3/22/2019	March 22, 2019 14:45:00 EST		3/22/2019	12.5 (moderate)	23,400
Gage & Town/Berkeley County	2:35			21:08	15.0 (major)	January 20, 1996
Rappahannock	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Remington, Virginia - (RENV2)</u>	Flood = 15.0	15.10	10,800	Flood = 15.0	15.0 (minor)	30.00
Rappahannock River - (WFO LWX)	3/22/2019	March 22, 2019 5:00:00 EST		3/22/2019	20.0 (moderate)	90,000
Gage & Town/Fauquier County	3:15			6:00	25.0 (major)	October 16, 1942

Susquehanna (Lower Main Stem)	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Camp Hill, Pennsylvania - (CPHP1)	Flood = 7.0	8.49	3,340	Flood = 7.0	7.0 (minor)	18.77
Yellow Breeches Creek - (WFO CTP)	3/22/2019	March 22, 2019 8:05:00 EST		3/22/2019	9.0 (moderate)	19,300
Gage & Town/Cumberland County	0:20			14:45	13.0 (major)	September 26, 1975
Harper Tavern, Pennsylvania - (HTVP1)	Flood = 9.0	9.06	6,540	Flood = 9.0	9.0 (minor)	25.60
Swatara Creek - (WFO CTP)	3/22/2019	March 22, 2019 12:45:00 EST		3/22/2019	12.0 (moderate)	88,000
Gage & Town/Lebanon County	7:45			14:15	15.0 (major)	June 1, 1889

Crest Statistics

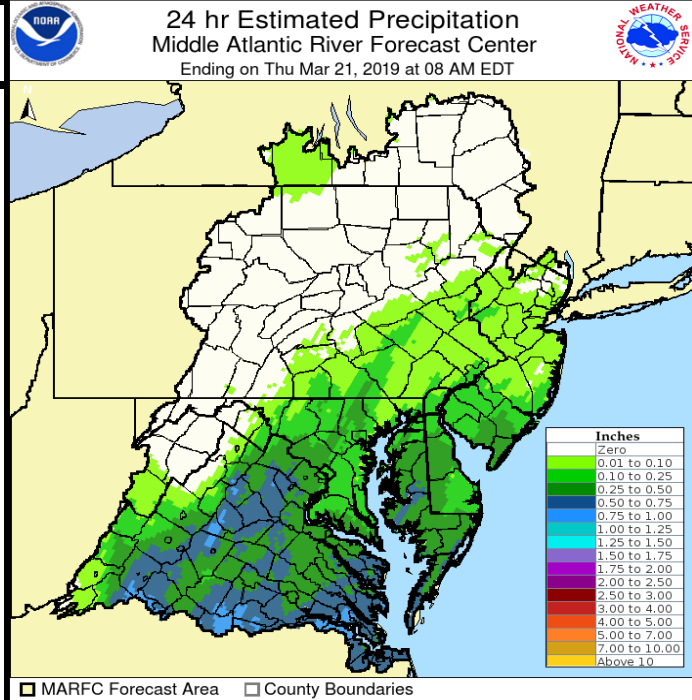
Flooding - 3/21/2019 - 3/23/2019
 Crests - 3/21/2019 - 3/22/2019
 First flood of 1 - March, 2019
 Sixth flood in 2019
 Number of MARFC Forecast Points Flooding - **9**
 Number of Floods Cresting in **Minor** Range - 9
 Number of Floods Cresting in **Moderate** Range - 0
 Number of Floods Cresting in **Major** Range - 0
 Number of Floods Cresting in **Missing** Range - 0
MARFC Power Ranking - 9 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - 0
 E = Estimated

Weather Summary

A strong coastal storm dropped 1/2 to 3 1/2 inches of precipitation over most of the MARFC service area with the heaviest amounts over middle sections of the Mid-Atlantic. Several points crested at minor flood levels.

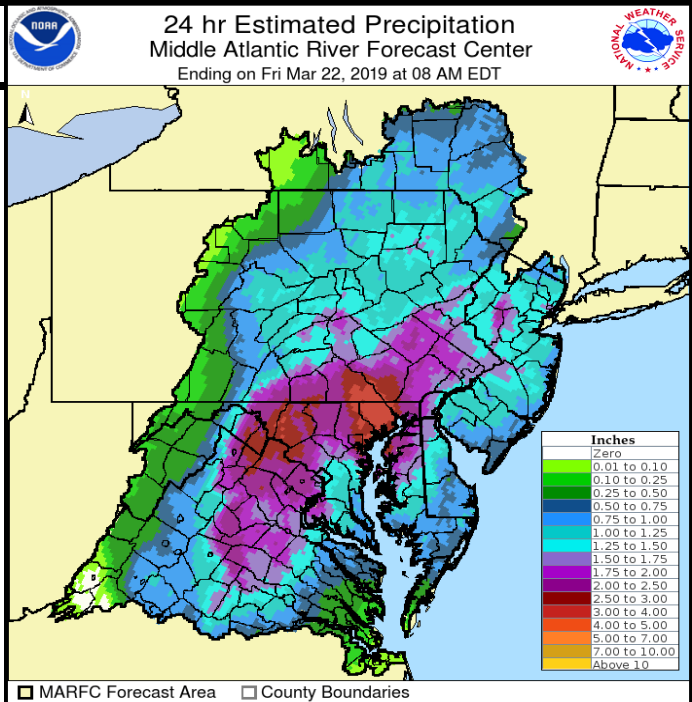
TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

3/20/2019 (12 Z) - 3/21/2019 (12 Z)			
Amount	Location	County	State
1.04	Moneta, VA	Bedford	
0.99	Lynchburg, VA	Campbell	
0.93	Lynchburg Airport, VA	Campbell	
0.80	Wakefield, VA	Sussex	
0.80	North, VA	Mathews	
0.75	Princess Anne, MD	Somerset	
0.70	Afton, VA	Albemarle	
0.68	Williamsburg, VA	James City	
0.68	Farmville, VA	Prince Edward	
0.67	Fredericksburg, VA		
0.67	Williamsburg, VA		
0.66	Crozet, VA	Augusta	
0.66	Prince George, VA	Prince George	
0.65	Big Island, VA	Bedford	
0.65	Cape Charles, VA	Northampton	



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

3/21/2019 (12 Z) - 3/22/2019 (12 Z)			
Amount	Location	County	State
3.49	Safe Harbor Dam, PA	Lancaster	
3.46	York Springs, PA	Adams	
3.46	Long Green, MD	Baltimore	
3.40	Round Hill, VA	Loudoun	
3.32	Susquehanna, MD	Harford	
3.25	Easton, MD	Talbot	
3.17	Pequea, PA	Lancaster	
3.14	Holtwood Dam, PA	York	
3.10	Nottingham, PA	Chester	
3.10	Conowingo Dam, MD	Cecil	
3.03	Lancaster, PA	Lancaster	
3.03	Ten Mile, MD	Montgomery	
3.01	Lovettsville, VA	Loudoun	
3.01	Kingsville, MD	Baltimore	
2.97	Lancaster, PA	Lancaster	



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	2	2	0	0	0	0
Juniata	0	0	0	0	0	0
Lehigh	0	0	0	0	0	0
Lower Main Stem Susquehanna	2	2	0	0	0	0
North Branch Susquehanna	0	0	0	0	0	0
Passaic	0	0	0	0	0	0
Potomac	4	4	0	0	0	0
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	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
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)	2	2	0	0	0	0
Sterling, VA (LWX)	5	5	0	0	0	0
Wakefield, VA (AKQ)	2	2	0	0	0	0