

June 22 - June 24, 2018 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	19.72	14,200	Flood = 17.0	17.0 (minor)	39.85
Rivanna River - (WFO AKQ)	6/22/2018	June 23, 2018		6/23/2018	25.0 (moderate)	86,000
Gage & Town/Fluvanna County	21:12	1:50:00 EST		7:20	32.0 (major)	August 20, 1969
Potomac	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Edwards Ferry, Maryland - (EDFM2)</u>	Flood = 15.0	15.20	M	Flood = 10.0	15.0 (minor)	22.42
Potomac River - (WFO LWX)	6/24/2018	June 24, 2018		6/24/2018	17.0 (Moderate)	not available
Gage & Town/Montgomery County	3:30	7:15:00 EST		11:20	24.0 (major)	June 4, 2018
<u>Great Cacapon, West Virginia - (GCPW2)</u>	Flood = 9.0	11.38	11,400	Flood = 9.0	9.0 (minor)	30.10
Cacapon River - (WFO LWX)	6/22/2018	June 23, 2018		6/23/2018	16.0 (moderate)	87,600
Gage & Town/Morgan County	21:15	2:15:00 EST		10:50	20.0 (major)	March 18, 1936
<u>Martinsburg, West Virginia - (MBGW2)</u>	Flood = 10.0	12.93	5,290	Flood = 10.0	10.0 (minor)	18.76
Opequon Creek - (WFO LWX)	6/23/2018	June 23, 2018		6/24/2018	12.5 (moderate)	23,400
Gage & Town/Berkeley County	7:05	21:00:00 EST		11:20	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	23.70	34,600	Flood = 13.0	13.0 (minor)	30.40
Rapidan River - (WFO LWX)	6/22/2018	June 22, 2018		6/23/2018	17.0 (moderate)	59,300
Gage & Town/Culpeper County	7:07	23:15:00 EST		12:40	21.0 (major)	June 28, 1995
<u>Fredericksburg, Virginia - (FDBV2)</u>	Flood = 13.0	17.55	70,900	Flood = 13.0	13.0 (minor)	42.60
Rappahannock River - (WFO LWX)	6/23/2018	June 23, 2018		6/24/2018	16.0 (moderate)	not available
Gage & Town/Independent City/Spotsylvania Co	3:37	15:15:00 EST		3:20	23.0 (major)	October 16, 1942
<u>Remington, Virginia - (RENV2)</u>	Flood = 15.0	21.10	41,900	Flood = 15.0	15.0 (minor)	30.00
Rappahannock River - (WFO LWX)	6/22/2018	June 23, 2018		6/24/2018	20.0 (moderate)	90,000
Gage & Town/Fauquier County	16:35	00:30:00 EST		7:05	25.0 (major)	October 16, 1942

Shenandoah	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Cootes Store, Virginia - (COOV2)	Flood = 15.0	15.42	17,700	Flood = 15.0	15.0 (minor)	27.86
North Fork Shenandoah River - (WFO LWX)	6/22/2018	June 22, 2018 9:15:00 EST		6/22/2018	18.0 (moderate)	63,400
Gage & Town/Rockingham County	7:50			10:15	21.0 (major)	September 6, 1996
Millville, West Virginia - (MILW2)	Flood = 10.0	12.62	35,400	Flood = 10.0	10.0 (minor)	32.40
Shenandoah River - (WFO LWX)	6/23/2018	June 23, 2018 22:40:00 EST		6/24/2018	14.0 (moderate)	230,000
Gage & Town/Jefferson County	8:40			20:55	17.0 (major)	October 16, 1942
Strasburg, Virginia - (STGV2)	Flood = 17.0	17.77	18,900	Flood = 17.0	17.0 (minor)	32.27
North Fork Shenandoah River - (WFO LWX)	6/23/2018	June 23, 2018 8:45:00 EST		6/23/2018	20.0 (moderate)	114,000
Gage/Warren Co - Town/Shenandoah Co	3:40			13:20:00 PM	25.0 (major)	September 7, 1996

Crest Statistics

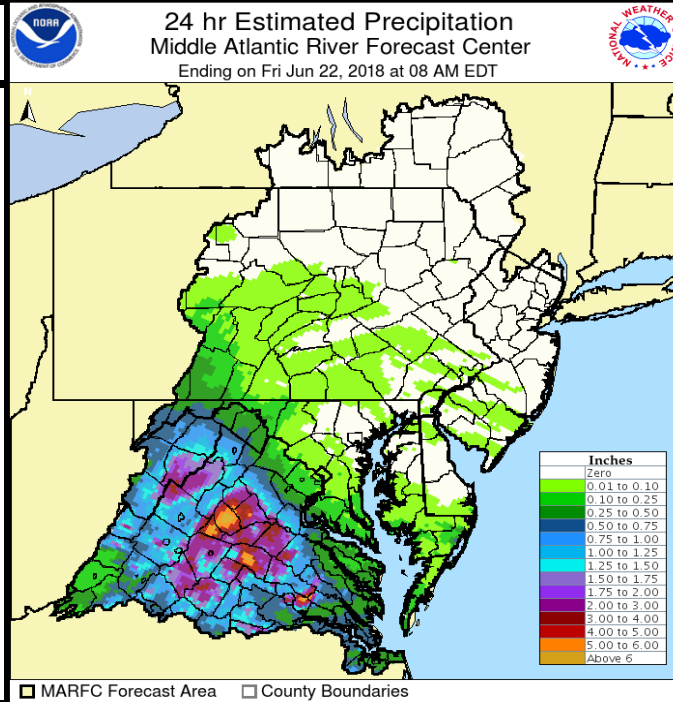
Flooding - 6/22/2018 - 6/24/2018
 Crests - 6/22/2018 - 6/24/2018
 Third flood of 4 - June, 2018
 Fourteenth flood in 2018
 Number of MARFC Forecast Points Flooding - **10**
 Number of Floods Cresting in **Minor** Range - **6**
 Number of Floods Cresting in **Moderate** Range - **3**
 Number of Floods Cresting in **Major** Range - **1**
 Number of Floods Cresting in **Missing** Range - **0**
MARFC Power Ranking - 31 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - **0**
 E = Estimated

Weather Summary

On Monday, June 18th, high pressure was over the basin and a cold front was forecast to move south sparking showers and thunderstorms. The front stalled across northern/central VA on Tuesday and was the focus for shower and thunderstorm development. A wave of low pressure passed along the stalled front on Wednesday which also produced showers and thunderstorms. The front slowly moved south on Thursday and Friday (into North Carolina) as a cold front and more storms developed. The front returned north (as a warm front) into Virginia Friday night/Saturday morning and again was the focus of showers and thunderstorms. A low pressure system moving across the Great Lakes on Saturday evening/Sunday finally pushed this air mass south and east of the basin and allow for high pressure to move in from the north.

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

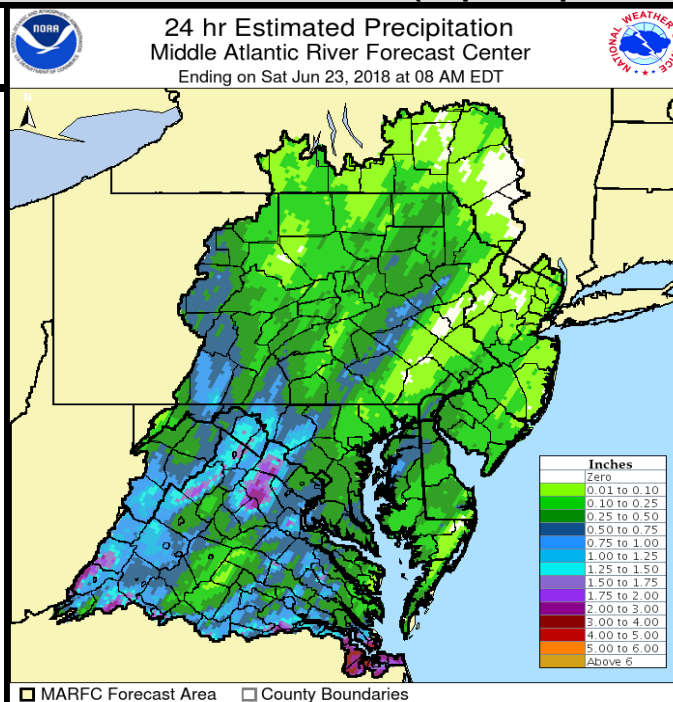
6/21/2018 (12 Z) - 6/22/2018 (12 Z)			
Amount	Location	County	State
5.64	Robinson, VA	Madison	
5.04	Orange, VA	Orange	
3.70	Orange, VA	Orange	
3.12	Lewis Mtn Camp, VA	Page	
3.08	Bergton, VA	Rockingham	
2.90	Charlottesville Airport, VA	Albemarle	
2.73	Staunton, VA	Augusta	
2.39	Dayton, VA	Rockingham	
2.27	Briery Branch, VA	Rockingham	
2.27	Staunton, VA	Augusta	
2.18	Stanley, VA	Page	
2.16	Gordonsville, VA	Louisa	
2.03	Charlottesville, VA	Albemarle	
2.03	Warrenton, VA	Fauquier	
2.00	Cacapon State Park, WV	Morgan	
2.00	Buckingham, VA	Buckingham	



6/22/2018 (12 Z) - 6/23/2018 (12 Z)			
Amount	Location	County	State
3.54	Rixeyville, VA	Culpeper	
3.29	Washington, VA	Rappahannock	
2.55	Norfolk NAS, VA		
2.20	Edinburg, VA	Shenandoah	
2.15	Ford, VA	Amelia	
2.09	Norfolk Airport, VA		
2.00	Cacapon State Park, WV	Morgan	
1.98	Winchester, VA		
1.98	Lynchburg, VA		
1.95	Lake Moomaw, VA	Alleghany	
1.93	Leesburg, VA	Loudoun	
1.93	Lynchburg, VA	Bedford	
1.90	Todd Lake Dam, VA	Augusta	
1.89	White Sulphur Springs, WV	Greenbrier	
1.85	Hot Springs, VA	Bath	
1.85	Gathright Dam, VA	Alleghany	

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

6/22/2018 (12 Z) - 6/23/2018 (12 Z)			
Amount	Location	County	State
3.54	Rixeyville, VA	Culpeper	
3.29	Washington, VA	Rappahannock	
2.55	Norfolk NAS, VA		
2.20	Edinburg, VA	Shenandoah	
2.15	Ford, VA	Amelia	
2.09	Norfolk Airport, VA		
2.00	Cacapon State Park, WV	Morgan	
1.98	Winchester, VA		
1.98	Lynchburg, VA		
1.95	Lake Moomaw, VA	Alleghany	
1.93	Leesburg, VA	Loudoun	
1.93	Lynchburg, VA	Bedford	
1.90	Todd Lake Dam, VA	Augusta	
1.89	White Sulphur Springs, WV	Greenbrier	
1.85	Hot Springs, VA	Bath	
1.85	Gathright Dam, VA	Alleghany	



6/22/2018 (12 Z) - 6/23/2018 (12 Z)			
Amount	Location	County	State
3.54	Rixeyville, VA	Culpeper	
3.29	Washington, VA	Rappahannock	
2.55	Norfolk NAS, VA		
2.20	Edinburg, VA	Shenandoah	
2.15	Ford, VA	Amelia	
2.09	Norfolk Airport, VA		
2.00	Cacapon State Park, WV	Morgan	
1.98	Winchester, VA		
1.98	Lynchburg, VA		
1.95	Lake Moomaw, VA	Alleghany	
1.93	Leesburg, VA	Loudoun	
1.93	Lynchburg, VA	Bedford	
1.90	Todd Lake Dam, VA	Augusta	
1.89	White Sulphur Springs, WV	Greenbrier	
1.85	Hot Springs, VA	Bath	
1.85	Gathright Dam, VA	Alleghany	

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	1	1	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	3	2	1	0	0	1
Rappahannock	3	0	2	1	0	3
Raritan	0	0	0	0	0	0
SE PA and Delaware (state)	0	0	0	0	0	0
Shenandoah	3	3	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)	9	5	3	1	0	4
Wakefield, VA (AKQ)	1	1	0	0	0	0