

October 31 - November 2, 2019 Preliminary Flood Summary

Delaware						
	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Cooks Falls, New York - (CKFN6)</u>	Flood = 10.0	11.02	12,600	Flood = 10.0	10.0 (minor)	20.55
Beaver Kill - (WFO BGM)	11/1/2019	November 1, 2019 4:30:00 EST		11/1/2019	16.0 (moderate)	62,400
Gage & Town/Delaware County	2:08			6:53	18.0 (major)	June 28, 2006
<u>Walton, New York - (WALN6)</u>	Flood = 9.5	10.10	6,500	Flood = 9.5	9.5 (minor)	16.85
West Branch Delaware River - (WFO BGM)	11/1/2019	November 1, 2019 11:30:00 EST		11/1/2019	14.0 (moderate)	28,600
Gage & Town/Delaware County	3:15			19:00	16.0 (major)	June 28, 2006
Potomac						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Dawsonville, Maryland - (DAWM2)</u>	Flood = 7.5	8.99	3,630	Flood = 7.5	7.5 (minor)	16.40
Seneca Creek - (WFO LWX)	10/31/2019	November 1, 2019 00:35:00 EST		11/1/2019	11.0 (moderate)	26,100
Gage & Town/Montgomery County	22:27			12:37	16.0 (major)	June 22, 1972
Susquehanna (Lower Main Stem)						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Camp Hill, Pennsylvania - (CPHP1)</u>	Flood = 7.0	7.32	2,670	Flood = 7.0	7.0 (minor)	18.77
Yellow Breeches Creek - (WFO CTP)	11/1/2019	November 1, 2019 5:00:00 EST		11/1/2019	9.0 (moderate)	19,300
Gage & Town/Cumberland County	2:45			6:50	13.0 (major)	September 26, 1975
<u>Harper Tavern, Pennsylvania - (HTVP1)</u>	Flood = 9.0	12.26	10,800	Flood = 9.0	9.0 (minor)	25.60
Swatara Creek - (WFO CTP)	10/31/2019	November 1, 2019 16:00:00 EST		11/2/2019	12.0 (moderate)	88,000
Gage & Town/Lebanon County	23:05			3:10	15.0 (major)	June 1, 1889
<u>Hershey, Pennsylvania - (HERP1)</u>	Flood = 7.0	8.51	11,700	Flood = 7.0	7.0 (minor)	27.22
Swatara Creek - (WFO CTP)	11/1/2019	November 1, 2019 22:00:00 EST		11/2/2019	10.0 (moderate)	96,900
Gage & Town/Dauphin County	0:07			9:52	14.0 (major)	September 8, 2011
Susquehanna Basin (North Branch)						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Cincinnatus, New York - (CINN6)</u>	Flood = 9.0	9.19	6,180	Flood = 9.0	9.0 (minor)	12.50
Otselic River - (WFO BGM)	11/1/2019	November 1, 2019 5:15:00 EST		11/1/2019	11.2 (moderate)	9,200
Gage & Town/Cortland County	4:40			5:40	12.5 (major)	July 8, 1935
<u>Cortland, New York - (CRTN6)</u>	Flood = 8.0	9.75	5,520	Flood = 8.0	8.0 (minor)	14.07
Tioughnioga River - (WFO BGM)	11/1/2019	November 1, 2019 21:30:00 EST		11/2/2019	10.0 (moderate)	14,200
Gage & Town/Cortland County	3:15			12:35	12.5 (major)	April 3, 2005

Sherburne, New York - (SHBN6)	Flood = 8.5	10.07	6,230	Flood = 8.5	8.5 (minor)	13.72
Chenango River - (WFO BGM)	11/1/2019	November 1, 2019 5:15:00 EST		11/2/2019	9.5 (moderate)	2,190
Gage & Town/Chenango County	0:15			3:45	10.6 (major)	February 17, 1954
Susquehanna Basin (Upper Main Stem)	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Monroeton, Pennsylvania - (MONP1)	Flood = 15.5	16.73	14,000	Flood = 15.5	15.5 (minor)	20.97
Towanda Creek - (WFO BGM)	10/31/2019	October 31, 2019 23:45:00 EST		11/1/2019	17.0 (moderate)	64,200
Gage & Town/Bradford County	22:15			1:35	18.5 (major)	September 8, 2011

Crest Statistics

Flooding - 10/31/2019 - 11/02/2019
 Crests - 10/31/2019 - 11/01/2019
 First flood of 1 - October, 2019
 18th flood in 2019
 Number of MARFC Forecast Points Flooding - **10**
 Number of Floods Cresting in **Minor** Range - 8
 Number of Floods Cresting in **Moderate** Range - 2
 Number of Floods Cresting in **Major** Range - 0
 Number of Floods Cresting in **Missing** Range - 0
MARFC Power Ranking - 18 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - 0
 E = Estimated

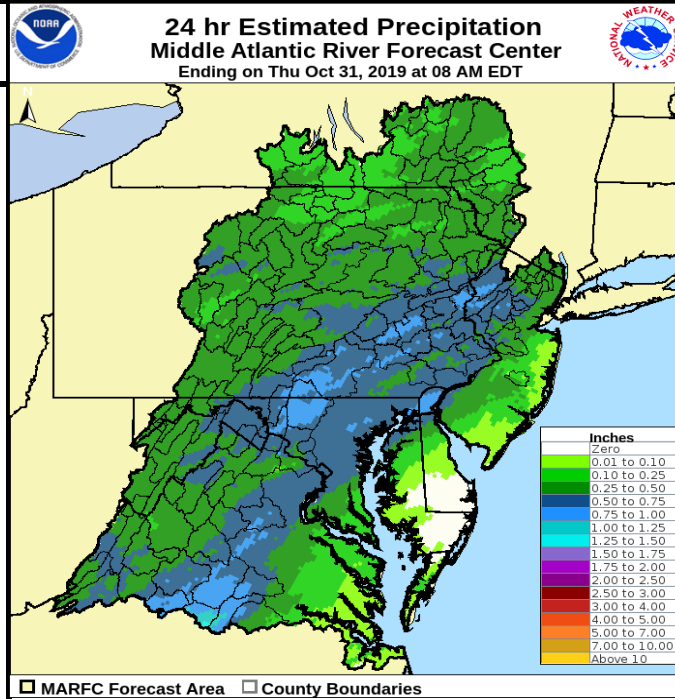
Weather Summary

After a series of widespread, moderate to even heavy rain events, an approaching strong cold front brought widespread 1 to 2 1/2 inch rain amounts to much of the Mid-Atlantic. A few areas picked up 3 to over 5 inches. The previous storm systems had left the soil much wetter than just a few weeks earlier allowing for this rainfall to more efficiently flood 10 forecast points (and 2 moderate) from southern New York on south to the Washington, DC area.

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

10/30/2019 (12 Z) - 10/31/2019 (12 Z)
Amount Location County State

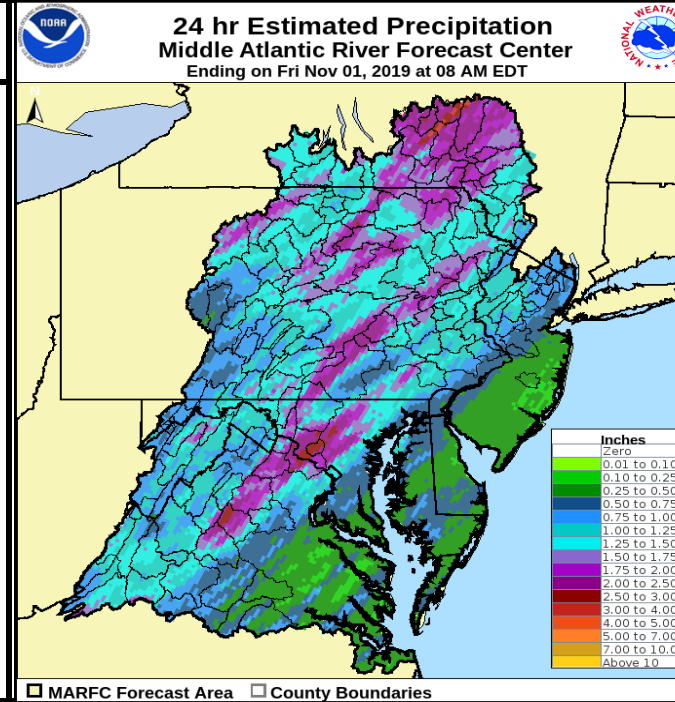
- 1.58 Hamburg, PA Berks
- 1.43 Manada Gap, PA Dauphin
- 1.31 Mustoe, VA Highland
- 1.30 Fayetteville, PA Franklin
- 1.27 Enola, PA Cumberland
- 1.24 Orrtanna, PA Adams
- 1.23 Berne, PA Berks
- 1.22 York Springs, PA Adams
- 1.20 Paxtonia, PA Dauphin
- 1.20 Madison Heights, VA Anherst
- 1.17 Oxford Twp., NJ Warren
- 1.16 Walnutport, PA Northampton
- 1.15 Ashokan Reservoir, NY Ulster
- 1.15 Harrisburg, PA Dauphin
- 1.14 Rockfish, VA Nelson



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

10/31/2019 (12 Z) - 11/1/2019 (12 Z)
Amount Location County State

- 5.12 Cold Brook, NY Herkimer
- 3.80 Tannersville, NY Greene
- 3.78 Earlville, NY Madison
- 3.32 Poolesville, MD Montgomery
- 3.31 Willet, NY Cortland
- 3.07 Damascus, MD Montgomery
- 2.98 Westmoreland, NY Oneida
- 2.91 Lisbon, MD Howard
- 2.90 Damascus, MD Carroll
- 2.84 Clarksburg, MD Montgomery
- 2.83 Canadensis, PA Monroe
- 2.73 Galeton, PA Potter
- 2.66 Mt. Airy, MD Carroll
- 2.65 Ten Mile, MD Montgomery
- 2.64 Morrisville, NY Madison



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	2	2	0	0	0	0
James	0	0	0	0	0	0
Juniata	0	0	0	0	0	0
Lehigh	0	0	0	0	0	0
Lower Main Stem Susquehanna	3	2	1	0	0	1
North Branch Susquehanna	3	2	1	0	0	1
Passaic	0	0	0	0	0	0
Potomac	1	1	0	0	0	0
Rappahannock	0	0	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	1	1	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)	6	5	1	0	0	1
Brookhaven, NY (OKX)	0	0	0	0	0	0
Philadelphia, PA (PHI)	0	0	0	0	0	0
State College, PA (CTP)	3	2	1	0	0	1
Sterling, VA (LWX)	1	1	0	0	0	0
Wakefield, VA (AKQ)	0	0	0	0	0	0