

August 12 - August 13, 2017 Preliminary Flood Summary

Susquehanna (Lower Main Stem)	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Harper Tavern, Pennsylvania - (HTVP1)</u>	Flood = 9.0	9.97	8,350	Flood = 9.0	9.0 (minor)	25.60
Swatara Creek - (WFO CTP)	8/12/2017	August 12, 2017		NA	12.0 (moderate)	88,000
Gage & Town/Lebanon County	3:55	10:15:00 EST		NA	15.0 (major)	June 1, 1889
<u>Harper Tavern, Pennsylvania - (HTVP1)</u>	Flood = 9.0	9.94	8,310	Flood = 9.0	9.0 (minor)	25.60
Swatara Creek - (WFO CTP)	NA	August 12, 2017		8/13/2017	12.0 (moderate)	88,000
Gage & Town/Lebanon County	NA	19:30:00 EST		0:20	15.0 (major)	June 1, 1889
<u>Hershey, Pennsylvania - (HERP1)</u>	Flood = 7.0	7.09	8,780	Flood = 7.0	7.0 (minor)	27.22
Swatara Creek - (WFO CTP)	8/12/2017	August 12, 2017		8/12/2017	10.0 (moderate)	96,900
Gage & Town/Dauphin County	9:00	12:30:00 EST		14:25	14.0 (major)	September 8, 2011
<u>Hershey, Pennsylvania - (HERP1)</u>	Flood = 7.0	7.46	9,530	Flood = 7.0	7.0 (minor)	27.22
Swatara Creek - (WFO CTP)	8/12/2017	August 12, 2017		8/13/2017	10.0 (moderate)	96,900
Gage & Town/Dauphin County	18:15	23:30:00 EST		6:00	14.0 (major)	September 8, 2011

Crest Statistics

Flooding - 08/12/2017 - 08/13/2017
 Crests - 08/12/2017
 First flood of 1 - August, 2017
 Eighth flood in 2017
 Number of MARFC Forecast Points Flooding - 3
 Number of Floods Cresting in **Minor** Range - 3
 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 - 3 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - 0
 E = Estimated

Weather Summary

During the day and into the night of August 11, 2017, a band of slow moving thunderstorms with very heavy downpours developed in central Pennsylvania. A second band developed in northern Virginia into southern and southeastern Maryland. While the heaviest rain in Virginia and Maryland missed rapidly responding forecast points, the heaviest rain in Pennsylvania hit areas with rapid responding points in the Swatara Creek watershed. Thunderstorms with very heavy rainfall continued into the day on August 12 for southern areas and redeveloped in Pennsylvania as a cold front approached and passed through. Once again, the heaviest rains in southern areas missed MARFC forecast points. But, in Pennsylvania, relatively minor rain amounts of under 1 inch were enough to continue or resume flooding in the Swatara Creek basin.

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

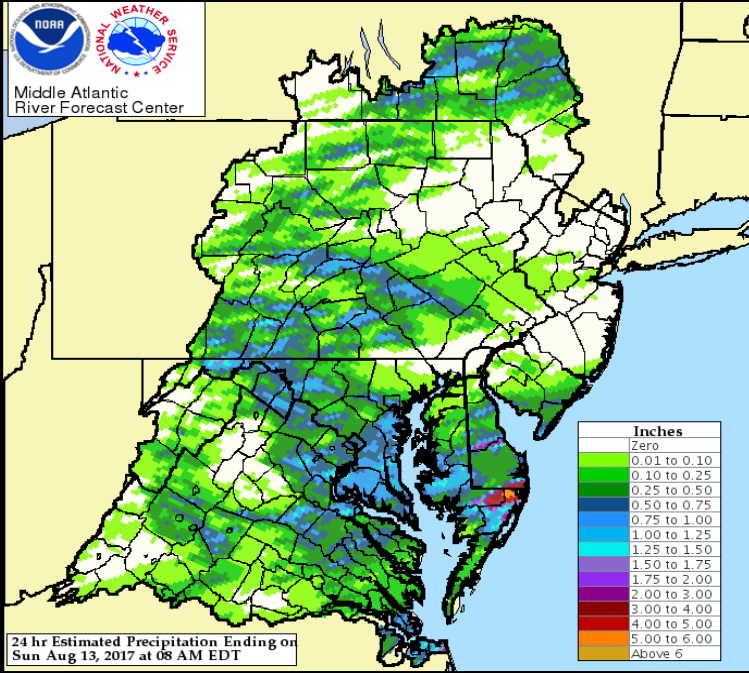
08/11/2017 (12 Z) - 08/12/2017 (12 Z) Amount Location State		
5.81" Parsonsburg, MD		
4.65" Fort Washington, MD		
4.64" Williamsburg, PA		
3.58" Salisbury, MD		
3.17" Powellville, MD		
3.16" Brandywine, MD		
3.14" Fort Valley, VA		
3.12" Manada Gap, PA		
3.11" Delmar, DE		
3.00" Front Royal, VA		
2.77" Andover, MD		
2.68" Cedarville, MD		
2.55" Blackwater, MD		
2.53" Long Neck, DE		
2.48" Harrisburg, PA		

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

08/12/2017 (12 Z) - 08/13/2017 (12 Z)

Amount Location State

- 3.58" Powellville, MD
- 2.99" Salisbury, MD
- 2.36" Virginia Beach, VA
- 2.18" Assateague, MD
- 1.98" Brandywine, MD
- 1.92" Bethany Beach, DE
- 1.78" Parsonsburg, MD
- 1.74" Bethany Beach, DE
- 1.60" Milroy, PA
- 1.57" Baltimore, MD
- 1.47" Fort Washington, MD
- 1.30" Charles Town, WV
- 1.30" Severn, MD
- 1.27" Covington, PA
- 1.25" Gaithersburg, MD



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	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	3	0	0	0	0
North Branch Susquehanna	0	0	0	0	0	0
Passaic	0	0	0	0	0	0
Potomac	0	0	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	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)	3	3	0	0	0	0
Sterling, VA (LWX)	0	0	0	0	0	0
Wakefield, VA (AKQ)	0	0	0	0	0	0