

August 19 - 21, 2021 Preliminary Flood Summary

Chemung Basin	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Elmira, New York - (CHEN6)	Flood = 12.0	12.49	39.500	Flood = 12.0	12.0 (minor)	25.20
Chemung River - (WFO BGM)	8/19/2021	August 19, 2021		8/19/2021	15.0 (moderate)	235,000
Gage & Town/Chemung County	8:02	11:45:00 EST		14:00	19.0 (major)	June 23, 1972
West Cameron, New York - (WCRN6)	Flood = 17.0	17.20	16.600	Flood = 17.0	17.0 (minor)	23.48
Canisteo River - (WFO BGM)	8/19/2021	August 19, 2021		8/19/2021	18.0 (moderate)	43,000
Gage & Town/Steuben County	3:02	4:10:00 EST		5:40	21.0 (major)	June 23, 1972
Susquehanna Basin (North Branch)	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Cortland, New York - (CRTN6)	Flood = 8.0	10.31	6.430	Flood = 8.0	8.0 (minor)	14.07
Tioughnioga River - (WFO BGM)	8/19/2021	August 20, 2021		8/21/2021	10.0 (moderate)	14,200
Gage & Town/Cortland County	1:27	2:10:00 EST		4:00	12.5 (major)	April 3, 2005

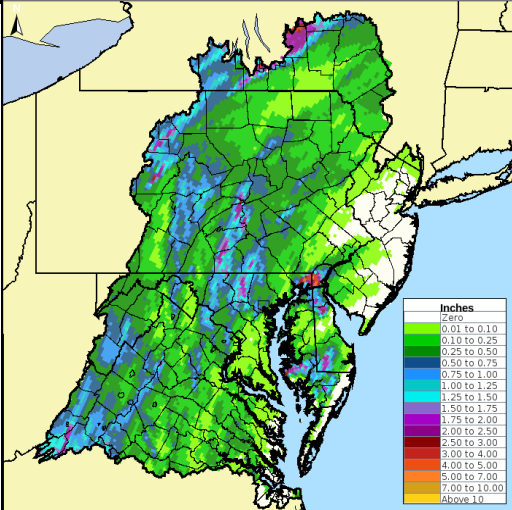
Crest Statistics

Flooding - 8/19/2021 - 8/21/2021
 Crests - 8/19/2021 - 8/20/2021
 First flood of 2 - August, 2021
 Fifth flood in 2021
 Number of MARFC Forecast Points Flooding - **3**
 Number of Floods Cresting in **Minor** Range - 2
 Number of Floods Cresting in **Moderate** Range - 1
 Number of Floods Cresting in **Major** Range - 0
 Number of Floods Cresting in **Missing** Range - 0
MARFC Power Ranking - 7 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - 0
 E = Estimated

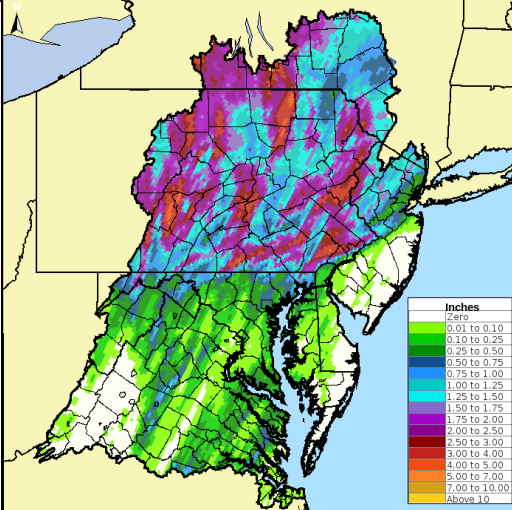
Weather Summary

The remnants of what had been Tropical Storm Fred moved up the Appalachian Mountains bringing heavy rainfall to areas north of the Potomac River. Flash flooding was common in many areas. Enough rain fell in southern New York to bring a few larger creeks and smaller rivers to flood stage.

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

8/17/2021 (12 Z) - 8/18/2021 (12 Z)	24 hr Estimated Precipitation Middle Atlantic River Forecast Center Ending on Wed Aug 18, 2021 at 08 AM EDT	
Amount Location State County	MARFC Forecast Area	
3.88 Tully, NY Onandoga		
3.43 Newark, DE New Castle		
3.24 Smyrna, DE Kent		
3.17 Newark, DE New Castle		
3.04 Ithaca, NY Tompkins		
2.48 Pine Grove Furnace, PA Cumberland		
2.45 Fair Hill, MD Cecil		
2.37 Scipio Center, NY Cayuga		
2.26 Dryden, NY Tompkins		
2.22 Gamber, MD Carroll		
2.12 Hartsville, NY Steuben		
2.10 Westminster, MD Carroll		
2.08 Mustoe, VA Highland		
2.07 Freeville, NY Tompkins		
1.96 Montebello, VA Nelson		

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

8/18/2021 (12 Z) - 8/19/2021 (12 Z)	24 hr Estimated Precipitation Middle Atlantic River Forecast Center Ending on Thu Aug 19, 2021 at 08 AM EDT	
Amount Location County State	MARFC Forecast Area	
6.25 Hartsville, NY Steuben		
4.62 Devault, PA Chester		
4.16 Lancaster, PA Lancaster		
4.01 Valley Forge, PA Chester		
3.84 Waterloo, NY Seneca		
3.72 Cherry Ridge, PA Wayne		
3.67 Adamstown, PA Lancaster		
3.66 Coudersport, PA Potter		
3.60 Altoona, PA Blair		
3.55 Hartsville, NY Steuben		
3.55 Marshallton, PA Chester		
3.52 South Bristol, NY Ontario		
3.52 Cedar Run, PA Lycoming		
3.48 Conshohocken, PA Montgomery		
3.47 Scipio Center, NY Cayuga		

Floods by MARFC Basins						
MARFC Basins	Fcst Points	Minor	Moderate	Major	Unknown	Mod & Major
Appomattox	0	0	0	0	0	0
Chemung	2	2	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	0	0	0	0	0	0
North Branch Susquehanna	1	0	1	0	0	1
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)	3	2	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)	0	0	0	0	0	0
Sterling, VA (LWX)	0	0	0	0	0	0
Wakefield, VA (AKQ)	0	0	0	0	0	0