

August 18 - 21, 2024 Preliminary Flood Summary

Passaic	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Chatham, New Jersey - (CAMN4)</u>	Flood = 6.0	6.83	1,880	Flood = 6.0	6.0 (minor)	9.36
Passaic River - (WFO PHI)	8/18/2024	August 18, 2024		8/19/2024	8.0 (moderate)	3,380
Gage & Town/Morris County	19:45	21:00 EDT		2:00	10.0 (major)	August 2, 1973
<u>Pine Brook, New Jersey - (PINN4)</u>	Flood = 19.0	19.00	2,430	Flood = 19.0	19.0 (minor)	24.12
Passaic River - (WFO PHI)	8/21/2024	August 21, 2024		8/21/2024	20.0 (moderate)	9,750
Gage & Town/Morris County	0:45	00:45 EDT		8:30	21.0 (major)	August 30, 2011

Crest Statistics

Flooding - 8/18/2024 - 8/21/2024
 Crests - 8/18/2024, 8/21/2024
 Second flood of 2 - August, 2024
 Eighth flood in 2024
 Number of MARFC Forecast Points Flooding - **2**
 Number of Floods Cresting in **Minor** Range - **2**
 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 - 2 (Minor = 1 - Moderate = 5 - Major = 10 - Missing = 1)
 Number of MARFC records - **0**
 E = Estimated

Weather Summary

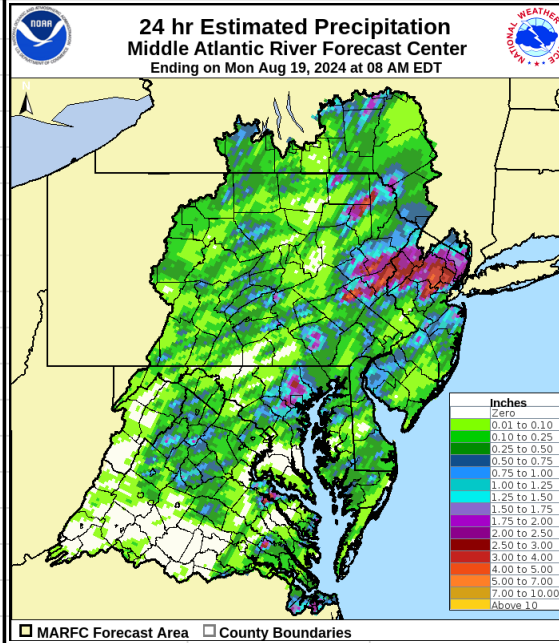
A week after the remnants of Hurricane Debby caused flooding across the Mid-Atlantic, a slow-moving upper low over the Great Lakes led to several rounds of showers and thunderstorms. Training convection over northern New Jersey caused minor river flooding at two MARFC forecast points. Elsewhere, the same low pressure system, possibly fueled by moisture from Hurricane Ernesto well offshore, caused catastrophic flash and river flooding on Long Island and in southern Connecticut, where over 10 inches of rain fell in less than 24 hours.

TOP 72-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

8/18/2024 (12 Z) - 8/19/2024 (12 Z)

Amount Location State County

5.04	Morristown, NJ	Morris	
4.92	Basking Ridge (NE), NJ	Morris	
4.46	New Providence, NJ	Union	
4.15	Stillwater Dam, PA	Susquehanna	
4.15	Basking Ridge, NJ	Somerset	
4.13	Mountainside, NJ	Union	
4.10	Pleasant Mount, PA	Wayne	
3.93	Bernards Township, NJ	Somerset	
3.88	Martinsville, NJ	Somerset	
3.86	Morris Township, NJ	Morris	
3.84	Canoe Brook, NJ	Essex	
3.69	Hackettstown, NJ	Warren	
3.69	Independence Township, NJ	Warren	
3.63	Boonton Township, NJ	Morris	
3.56	Pequest, NJ	Warren	



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	0	0	0	0	0	0
North Branch Susquehanna	0	0	0	0	0	0
Passaic	2	2	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)	2	2	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

