

December 28, 2023 - January 1, 2024 Preliminary Flood Summary

Passaic		Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Boonton, NJ (below reservoir)</u>		Flood = 5.0	6.03	2,140	Flood = 5.0	5.0 (minor)	9.73
Rockaway River - (WFO PHI) - (BONN4)		12/28/2023	December 28, 2023 21:45 EST		12/29/2023	7.0 (moderate)	6,140
Gage & Town/Morris County		12:00			19:15	8.0 (major)	August 28, 2011
<u>Little Falls, New Jersey - (LTFN4)</u>		Flood = 7.0	7.47	7,320	Flood = 7.0	7.0 (minor)	17.50
Passaic River - (WFO PHI)		12/29/2023	December 29, 2023 22:30 EST		12/31/2023	8.0 (moderate)	31,700
Gage & Town/Passaic County		4:15			9:15	9.0 (major)	October 10, 1903
<u>Lodi, New Jersey - (LODN4)</u>		Flood = 5.5	6.94	2,330	Flood = 5.5	5.5 (minor)	13.94
Saddle River - (WFO OKX)		12/28/2023	December 28, 2023 11:15 EST		12/28/2023	7.0 (moderate)	5,330
Gage & Town/Bergen County		4:45			15:30	8.0 (major)	September 17, 1999
<u>Pine Brook, New Jersey - (PINN4)</u>		Flood = 19.0	19.86	3,070	Flood = 19.0	19.0 (minor)	24.12
Passaic River - (WFO PHI)		12/28/2023	December 29, 2023 18:45 EST		1/1/2024	20.0 (moderate)	9,750
Gage & Town/Morris County		16:00			20:45	21.0 (major)	August 30, 2011
<u>Singac, New Jersey - (SIGN4)</u>		Flood = 8.5	9.47	7,560	Flood = 8.5	8.5 (minor)	12.44
Passaic River - (WFO PHI)		12/28/2023	December 29, 2023 23:00 EST		12/31/2023	10.0 (moderate)	12,600
Gage & Town/Passaic County		21:30			22:00	12.0 (major)	December 20, 2023
<u>Wanaque, New Jersey - (WNQN4)</u>		Flood = 6.0	6.02	1,490	Flood = 6.0	6.0 (minor)	10.82
Wanaque River - (WFO PHI)		12/28/2023	December 28, 2023 14:45 EST		12/28/2023	8.0 (moderate)	10,500
Gage & Town/Passaic County		14:45			17:10	9.0 (major)	April 5, 1984
Raritan		Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Blackwells Mills, New Jersey - (BKWN4)</u>		Flood = 9.0	10.02	4,160	Flood = 9.0	9.0 (minor)	21.24
Millstone River - (WFO PHI)		12/28/2023	December 28, 2023 23:00 EST		12/29/2023	10.0 (moderate)	20,700
Gage & Town/Somerset County		14:45			10:00	15.0 (major)	August 28, 2011

Bound Brook, New Jersey - (BDKN4)	Flood = 28.0	29.62	21,900	Flood = 28.0	28.0 (minor)	42.13
Raritan River - (WFO PHI)	12/28/2023	December 28, 2023		12/29/2023	30.0 (moderate)	82,900
Gage & Town/Somerset County	13:30	18:30 EST		1:45	33.0 (major)	September 17, 1999
Manville, New Jersey - (MNVN4)	Flood = 14.0	16.45	16,400	Flood = 14.0	14.0 (minor)	27.66
Raritan River - (WFO PHI)	12/28/2023	December 28, 2023		12/29/2023	17.0 (moderate)	71,800
Gage & Town/Somerset County	11:30	16:30 EST		0:15	20.0 (major)	September 2, 2021
Raritan, New Jersey - (RRTN4)	Flood = 10.0	11.77	11,800	Flood = 10.0	10.0 (minor)	19.52
North Branch Raritan River - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	12.0 (moderate)	31,400
Gage & Town/Somerset County	6:30	10:30 EST		14:45	15.0 (major)	September 2, 2021
Stanton, New Jersey - (STTN4)	Flood = 8.0	9.82	6,690	Flood = 8.0	8.0 (minor)	15.22
South Branch Raritan River - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	10.0 (moderate)	18,000
Gage & Town/Hunterdon County	4:30	07:15 EST		13:15	12.0 (major)	August 19, 1955
Southeast PA & Delaware	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
Chadds Ford, Pennsylvania - (CDFP1)	Flood = 9.0	10.25	6,660	Flood = 9.0	9.0 (minor)	21.04
Brandywine Creek/Christina Basin - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	11.0 (moderate)	49,000
Gage & Town/Delaware County	6:00	10:00 EST		16:00	13.0 (major)	September 2, 2021
Graterford, Pennsylvania - (GRAP1)	Flood = 11.0	13.87	21,700	Flood = 11.0	11.0 (minor)	24.23
Perkiomen Creek - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	13.0 (moderate)	64,400
Gage & Town/Montgomery County	1:00	04:30 EST		11:45	16.0 (major)	September 2, 2021
Langhorne, Pennsylvania - (LNGP1)	Flood = 9.0	9.50	7,400	Flood = 9.0	9.0 (minor)	22.84
Neshaminy Creek - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	12.0 (moderate)	49,300
Gage & Town/Bucks County	4:45	07:30 EST		11:30	14.0 (major)	August 19, 1955
Norristown, Pennsylvania - (NRSP1)	Flood = 13.0	14.94	44,500	Flood = 13.0	13.0 (minor)	26.85
Schuylkill River - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	17.0 (moderate)	119,000
Gage & Town/Montgomery County	3:15	08:15 EST		16:00	19.0 (major)	September 2, 2021
Philadelphia, Pennsylvania - (PADP1)	Flood = 11.0	11.27	46,900	Flood = 11.0	11.0 (minor)	17.00
Schuylkill River - (WFO PHI)	12/28/2023	December 28, 2023		12/28/2023	13.0 (moderate)	135,000
Gage & Town/Philadelphia County	8:30	10:00 EST		13:00	15.5 (major)	October 4, 1869

Crest Statistics

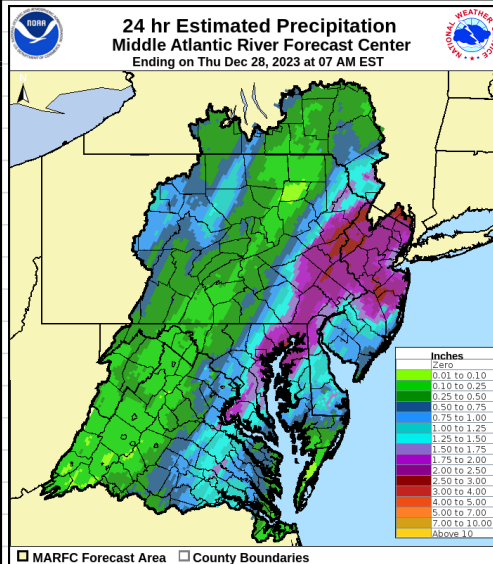
Flooding - 12/28/2023 - 01/01/2024
 Crests - 12/28/2023 - 12/29/2023
 Third flood of 3 - December, 2023
 Tenth flood in 2023
 Number of MARFC Forecast Points Flooding - **16**
 Number of Floods Cresting in **Minor** Range - **14**
 Number of Floods Cresting in **Moderate** Range - **2**
 Number of Floods Cresting in **Major** Range - **0**
 Number of Floods Cresting in **Missing** Range - **0**
MARFC Power Ranking - 24 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - **0**
 E = Estimated

Weather Summary

Less than a week after major river flooding had concluded from a prior storm, a developing coastal low - aided by southwesterly flow aloft from an upper low centered over the central US - led to an area of convergence and heavy rain over southeastern Pennsylvania and New Jersey. 2-3"+ of rain fell within 6-12 hours on saturated soils, sending rivers back into flood - some for the third time in as many weeks.

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

12/27/2023 - 12/28/2023 (12 Z)			
Amount	Location	County	State
3.28	Bernards Township, NJ	Somerset	
3.06	Warwick, PA	Chester	
2.88	Clinton, NJ	Hunterdon	
2.86	Lincoln Park, NJ	Morris	
2.76	Morris Plains, NJ	Morris	
2.76	Wanaque, NJ	Passaic	
2.76	Lebanon, NJ	Hunterdon	
2.73	Boonton Township, NJ	Morris	
2.71	Lebanon, NJ	Hunterdon	
2.69	Pittstown, NJ	Hunterdon	
2.68	West Milford Township, NJ	Passaic	
2.63	Morris Township, NJ	Morris	
2.61	Flemington, NJ	Hunterdon	
2.58	Pompton Lakes, NJ	Passaic	
2.57	Califon, NJ	Hunterdon	



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	6	6	0	0	0	0
Potomac	0	0	0	0	0	0
Rappahannock	0	0	0	0	0	0
Raritan	5	4	1	0	0	1
SE PA and Delaware (state)	5	4	1	0	0	1
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)	1	1	0	0	0	0
Philadelphia, PA (PHI)	15	13	2	0	0	2
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