

Flood Event of 4/5/1984 - 4/7/1984

Chemung

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chemung	16.00	4/6/1984	17.25	54,100	Minor	Chemung	Chemung River	Chemung	Chemung

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Palmyra	17.00	4/5/1984	18.10	11,200	Minor	James	Rivanna River	Fluvanna	Fluvanna

Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	4/5/1984	7.30	2,650	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Harrisburg	17.00	4/7/1984	18.88	368,000	Minor	Susquehanna	Susquehanna River	Dauphin	Dauphin

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cooks Falls	10.00	4/5/1984	11.95	15,300	Minor	Delaware	Beaver Kill	Delaware	Delaware
Godeffroy	10.00	4/5/1984	10.00	108,005	Minor	Delaware	Neversink River	Orange	Orange
Minisink Hills	10.00	4/5/1984	12.23	19,200	Moderate	Delaware	Brodhead Creek	Monroe	Monroe
Pemberton	2.70	4/6/1984	2.77	839	Minor	Delaware	North Branch Rancocas Creek	Burlington	Burlington

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chenango Forks	10.00	4/6/1984	10.14	21,000	Minor	North Branch Susquehanna	Chenango River	Broome	Broome
Conklin	11.00	4/6/1984	13.46	28,500	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	4/6/1984	9.40	5,830	Minor	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Waverly	11.00	4/6/1984	18.14	94,000	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Tioga	Tioga

Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Boonton above Reservoir (Old Site)	5.00	4/5/1984	7.23	5,590	Major	Passaic	Rockaway River	Morris	Morris
Boonton below Reservoir	5.00	4/6/1984	8.17	4,260	Major	Passaic	Rockaway River	Morris	Morris
Chatham	6.00	4/6/1984	7.26	1,930	Moderate	Passaic	Passaic River	Morris	Morris
Little Falls	7.00	4/7/1984	12.91	18,400	Major	Passaic	Passaic River	Passaic	Passaic
Lodi	5.00	4/5/1984	9.51	3,350	Major	Passaic	Saddle River	Bergen	Bergen
Macopin Intake Dam	15.00	4/5/1984	16.90	4,880	Missing	Passaic	Pequannock River	Passaic	Passaic
Mahwah	8.00	4/5/1984	13.35	12,100	Major	Passaic	Ramapo River	Bergen	Bergen
Millington	8.00	4/5/1984	8.87	1,620	Minor	Passaic	Passaic River	Somerset	Morris
Pine Brook	19.00	4/7/1984	22.90	8,000	Major	Passaic	Passaic River	Morris	Morris
Pompton Lakes	11.70	4/5/1984	15.21	15,400	Missing	Passaic	Ramapo River	Passaic	Passaic

Pompton Plains	16.00	4/6/1984	24.47	25,400	Major	Passaic	Pompton River	Passaic	Morris
Wanaque	5.00	4/5/1984	10.82	10,500	Major	Passaic	Wanaque River	Passaic	Passaic

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cumberland	17.00	4/5/1984	17.60	23,100	Minor	Potomac	North Branch Potomac River	Allegany	Allegany
Martinsburg	10.00	4/5/1984	11.27	4,040	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Paw Paw	25.00	4/5/1984	25.79	52,500	Minor	Potomac	Potomac River	Allegany	Morgan
Point of Rocks	16.00	4/6/1984	19.49	117,000	Minor	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	4/6/1984	19.97	83,800	Moderate	Potomac	Potomac River	Jefferson	Jefferson

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	4/5/1984	11.45	6,090	Moderate	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	4/5/1984	30.94	25,500	Moderate	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	4/5/1984	17.50	20,500	Moderate	Raritan	Raritan River	Somerset	Somerset
Raritan	10.00	4/5/1984	10.79	11,900	Minor	Raritan	North Branch Raritan River	Somerset	Somerset

Southeastern Pennsylvania

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Langhorne	9.00	4/5/1984	10.93	10,300	Moderate	Neshaminy	Neshaminy Creek	Bucks	Bucks

Upper Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bloomsburg	19.00	4/6/1984	24.50	221,000	Moderate	Main Stem Susquehanna	Susquehanna River	Columbia	Columbia
Danville	20.00	4/7/1984	24.14	194,000	Moderate	Main Stem Susquehanna	Susquehanna River	Montour	Montour
Meshoppen	27.00	4/6/1984	33.03	181,000	Moderate	Main Stem Susquehanna	Susquehanna River	Wyoming	Wyoming
Towanda	16.00	4/6/1984	21.84	148,000	Moderate	Main Stem Susquehanna	Susquehanna River	Bradford	Bradford
Wilkes-Barre	22.00	4/6/1984	29.63	191,000	Moderate	Main Stem Susquehanna	Susquehanna River	Luzerne	Luzerne

West Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Montgomery	20.00	4/7/1984	21.40	-9,999	Minor	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming
Muncy	20.00	4/7/1984	21.40	-9,999	Minor	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming

Weather Summary

Frozen ground and an unusually wet winter were the major components contributing to the flood. A strong occluding low pressure system and its associated fronts moved across the region from the 4th through the 6th. The triple point associated with the system remained inland as the low moved northeastward, which allowed for heavier rains to fall across the area. Much of the region saw over an inch of rain, with parts of New Jersey receiving up to 8.00 inches of rain. The heavy rains, especially in New Jersey, caused widespread flooding on the 5th, 6th, and 7th of April.

Crest Statistics and Flood Information

First flood of 2 that occurred in Apr, 1984

Fifth flood of 11 that occurred in 1984

Number of Floods at MARFC Forecast Points - 41

Number of Floods Cresting in Minor Range - 18

Number of Floods Cresting in Moderate Range - 13

Number of Floods Cresting in Major Range - 8

Number of Floods Cresting in Missing Range - 2