

Flood Event of 3/13/1977 - 3/16/1977

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cooks Falls	10.00	3/14/1977	15.20	28,400	Minor	Delaware	Beaver Kill	Delaware	Delaware
Fishs Eddy	13.00	3/14/1977	13.91	34,500	Minor	Delaware	Delaware River	Delaware	Delaware
Walton	9.50	3/14/1977	14.16	17,400	Moderate	Delaware	West Branch Delaware River	Delaware	Delaware

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Hale Eddy	11.00	3/14/1977	11.96	14,200	Minor	Main Stem Delaware	West Branch Delaware River	Delaware	Delaware
Riegelsville	22.00	3/14/1977	22.16	117,000	Minor	Main Stem Delaware	Delaware River	Warren	Bucks

Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Towanda	16.00	3/14/1977	16.04	95,500	Minor	Upper Main Stem Susquehanna	Susquehanna River	Bradford	Bradford

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bainbridge	13.00	3/15/1977	22.20	-9,999	Major	North Branch Susquehanna	North Branch Susquehanna River	Chenango	Chenango
Chenango Forks	10.00	3/14/1977	11.93	30,000	Minor	North Branch Susquehanna	Chenango River	Broome	Broome
Cincinnatus	9.00	3/13/1977	10.05	6,730	Minor	North Branch Susquehanna	Otselic River	Cortland	Cortland

Conklin	11.00	3/16/1977	16.90	43,400	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	3/14/1977	12.12	11,800	Moderate	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Greene	13.00	3/14/1977	15.49	13,900	Minor	North Branch Susquehanna	Chenango River	Chenango	Chenango
Rockdale	11.00	3/14/1977	12.64	16,200	Moderate	North Branch Susquehanna	Unadilla River	Chenango	Chenango
Sherburne	8.00	3/14/1977	9.91	10,100	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango
Unadilla	11.00	3/14/1977	14.64	23,500	Major	North Branch Susquehanna	North Branch Susquehanna River	Otsego	Otsego
Vestal	18.00	3/14/1977	22.68	59,600	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	3/14/1977	15.16	70,300	Minor	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga

Weather Summary

A low pressure system intensified as it moved eastward across the center of the country in mid-March. The system took a turn towards the Great Lakes and began to occlude on the 11th and 12th. On the 12th and 13th, the cold front associated with the system stretched into the Mid-Atlantic. Up to an inch of rain fell across almost the entire region during those two days, however, parts of New Jersey, Pennsylvania, and New York saw higher rainfall amounts of up to 2.00 inches. The heavy rain that fell in those three states caused significant flooding on the Main Stem Susquehanna, North Branch Susquehanna, and Delaware Basins.

Crest Statistics and Flood Information

Second flood of 4 that occurred in Mar, 1977

Third flood of 15 that occurred in 1977

Number of Floods at MARFC Forecast Points - 17

Number of Floods Cresting in Minor Range - 9

Number of Floods Cresting in Moderate Range - 6

Number of Floods Cresting in Major Range - 2

Number of Floods Cresting in Missing Range - 0