

Flood Event of 3/4/1934 - 3/8/1934

Appomattox

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Mattoax	21.00	3/8/1934	23.40	7,800	Minor	Appomattox	Appomattox River	Chesterfield	Amelia

Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Penns Creek	8.00	3/5/1934	8.32	5,750	Minor	Susquehanna	Penns Creek	Union	Snyder

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Hale Eddy	11.00	3/5/1934	11.43	13,000	Minor	Delaware	West Branch Delaware River	Delaware	Delaware
Trenton	20.00	3/5/1934	22.00	-9,999	Minor	Delaware	Delaware River	Mercer	Mercer

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Binghamton	14.00	3/5/1934	17.70	-9,999	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Chenango Forks	10.00	3/5/1934	10.42	20,900	Minor	North Branch Susquehanna	Chenango River	Broome	Broome
Conklin	11.00	3/5/1934	13.20	25,400	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Blackwells Mills	9.00	3/5/1934	9.32	5,300	Minor	Raritan	Millstone River	Somerset	Somerset
Manville	14.00	3/5/1934	14.52	16,600	Minor	Raritan	Raritan River	Somerset	Somerset
Stanton	8.00	3/4/1934	10.05	2,980	Moderate	Raritan	South Branch Raritan River	Hunterdon	Hunterdon

Weather Summary

Weak Maddox Frontal - The 4-8 March event was likely made more eventful due to the cold February weather. Most of the Eastern United States was cold in February 1934 and two massive anticyclones kept long periods of cold air and 3 winter storms came up the coast implying snowfall. There may have been ice in many rivers along with the snow. (Could be an El Nino year as the East Coast storm track was good). There was a warm up with the rain. The 850 hPa temperatures, which were below normal all of February went above normal. Along with the warm 850 hPa temperatures, there was a period of above normal PW and rain. The pattern was re-loading and a massive ridge redeveloped in the western US by 8 March. The brief warm up had +1 sigma 850 hPa temperatures and 500 hPa heights. The northern stream cyclones moved into the Great Lakes. – (Rich Grumm National Weather Service State College, PA)

Source: Grumm NWS WFO CTP

Crest Statistics and Flood Information

First flood of 1 that occurred in Mar, 1934

First flood of 8 that occurred in 1934

Number of Floods at MARFC Forecast Points - 10

Number of Floods Cresting in Minor Range - 8

Number of Floods Cresting in Moderate Range - 2

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0