

Flood Event of 5/27/1946 - 5/29/1946

Chemung

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chemung	16.00	5/28/1946	23.97	132,000	Moderate	Chemung	Chemung River	Chemung	Chemung
Corning	29.00	5/28/1946	37.74	-9,999	Major	Chemung	Chemung River	Steuben	Steuben
Elmira	12.00	5/28/1946	21.20	-9,999	Major	Chemung	Chemung River	Chemung	Chemung
Lindley	17.00	5/28/1946	22.87	75,000	Major	Chemung	Tioga River	Steuben	Steuben
West Cameron	17.00	5/28/1946	18.09	17,600	Moderate	Chemung	Canisteo River	Steuben	Steuben

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Spruce Creek	8.00	5/27/1946	9.02	5,230	Minor	Juniata	Little Juniata River	Huntingdon	Huntingdon

Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bloomsburg	19.00	5/29/1946	25.20	234,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Columbia	Columbia
Danville	20.00	5/29/1946	25.98	234,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Montour	Montour
Harper Tavern	9.00	5/28/1946	9.47	7,620	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Harrisburg	17.00	5/29/1946	21.80	494,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Dauphin	Dauphin
Hogestown	8.00	5/28/1946	9.43	8,910	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland

Marietta	49.00	5/29/1946	54.90	492,000	Major	Lower Main Stem Susquehanna	Susquehanna River	Lancaster	Lancaster
Penns Creek	8.00	5/27/1946	9.79	8,170	Minor	Penns Creek	Penns Creek	Snyder	Snyder
Shermans Dale	9.00	5/27/1946	10.22	9,930	Minor	Lower Main Stem Susquehanna	Sherman Creek	Perry	Perry
Towanda	16.00	5/29/1946	25.08	191,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Bradford	Bradford
Tunkhannock	11.00	5/28/1946	11.60	20,400	Minor	Upper Main Stem Susquehanna	Tunkhannock Creek	Wyoming	Wyoming
Wilkes-Barre	22.00	5/29/1946	32.01	210,000	Major	Upper Main Stem Susquehanna	Susquehanna River	Luzerne	Luzerne

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Conklin	11.00	5/28/1946	15.45	32,700	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Unadilla	11.00	5/28/1946	11.08	13,400	Minor	North Branch Susquehanna	North Branch Susquehanna River	Otsego	Otsego
Vestal	18.00	5/28/1946	19.96	53,100	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	5/28/1946	16.63	84,700	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga

West Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Beech Creek Station	11.00	5/27/1946	12.48	20,000	Minor	West Branch Susquehanna	Bald Eagle Creek	Clinton	Clinton
Cedar Run	12.00	5/28/1946	14.39	52,000	Moderate	West Branch Susquehanna	Pine Creek	Lycoming	Lycoming
Lewisburg	18.00	5/29/1946	28.43	262,000	Major	West Branch Susquehanna	West Branch Susquehanna River	Northumberland	Union
Lock Haven	21.00	5/28/1946	26.85	-9,999	Major	West Branch Susquehanna	West Branch Susquehanna River	Clinton	Clinton

Loyalsockville	12.00	5/28/1946	12.20	29,800	Minor	West Branch Susquehanna	Loyalsock Creek	Lycoming	Lycoming
Milton	19.00	5/29/1946	30.43	-9,999	Major	West Branch Susquehanna	West Branch Susquehanna River	Union	Northumberland
Montgomery	20.00	5/28/1946	30.30	-9,999	Major	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming
Muncy	20.00	5/28/1946	30.30	-9,999	Major	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming
Renovo	16.00	5/28/1946	20.11	130,000	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Clinton	Clinton
Watsonstown	23.00	5/29/1946	30.50	-9,999	Major	West Branch Susquehanna	West Branch Susquehanna River	Northumberland	Northumberland
Williamsport	20.00	5/28/1946	29.63	223,000	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming

Weather Summary

See May 21, 1946 flood. The ridge retrograded about 24 May and a surge of high PW air came up the coast. It was a textbook case with a quasi east-west boundary and easterly flow setting up over the Mid-Atlantic region with a deep southerly jet into it. Heavy rainfall was with strong easterly flow along the boundary and a surge of high PW up the coast. The low was a southern stream low. Similar to the pattern for the March 2010 Boston/RI flood event in many respects. Probably a Frontal to synoptic transition. – (Rich Grumm National Weather Service State College, PA)

Source: Grumm NWS WFO CTP

Crest Statistics and Flood Information

Second flood of 2 that occurred in May, 1946

Fourth flood of 8 that occurred in 1946

Number of Floods at MARFC Forecast Points - 32

Number of Floods Cresting in Minor Range - 10

Number of Floods Cresting in Moderate Range - 11

Number of Floods Cresting in Major Range - 11

Number of Floods Cresting in Missing Range - 0