

Flood Event of 12/30/1942 - 1/1/1943

Brandywine

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	12/30/1942	9.08	5,360	Minor	Christina	Brandywine Creek	Delaware	Delaware

Chemung

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chemung	16.00	12/31/1942	19.04	77,400	Minor	Chemung	Chemung River	Chemung	Chemung
Corning	29.00	12/30/1942	30.94	-9,999	Moderate	Chemung	Chemung River	Steuben	Steuben
Elmira	12.00	12/31/1942	17.40	-9,999	Moderate	Chemung	Chemung River	Chemung	Chemung
Lindley	17.00	12/30/1942	17.63	31,800	Minor	Chemung	Tioga River	Steuben	Steuben

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cooks Falls	10.00	12/30/1942	10.95	10,200	Minor	Delaware	Beaver Kill	Delaware	Delaware
Fishs Eddy	13.00	12/30/1942	16.22	32,400	Moderate	Delaware	Delaware River	Delaware	Delaware
Harvard	10.00	12/31/1942	-9999.00	17,400	Missing	Delaware	East Branch Delaware River	Delaware	Delaware

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bremo Bluff	19.00	12/30/1942	21.90	50,600	Minor	James	James River	Fluvanna	Fluvanna

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Mapleton Depot	20.00	12/31/1942	20.82	48,900	Minor	Juniata	Juniata River	Huntingdon	Huntingdon
Spruce Creek	8.00	12/30/1942	10.48	7,310	Moderate	Juniata	Little Juniata River	Huntingdon	Huntingdon

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Barryville	17.00	12/31/1942	17.89	69,800	Minor	Main Stem Delaware	Delaware River	Sullivan	Sullivan
Hale Eddy	11.00	12/30/1942	14.95	23,300	Moderate	Main Stem Delaware	West Branch Delaware River	Delaware	Delaware
Riegelsville	22.00	12/31/1942	22.88	122,800	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
Bloomsburg	19.00	1/1/1943	23.40	204,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Columbia	Columbia
Danville	20.00	1/1/1943	24.00	204,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Montour	Montour
Harper Tavern	9.00	12/30/1942	11.07	10,300	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Harrisburg	17.00	1/1/1943	19.40	412,000	Minor	Lower Main Stem Susquehanna	Susquehanna River	Dauphin	Dauphin
Hogestown	8.00	12/31/1942	9.15	8,530	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Marietta	49.00	1/1/1943	53.20	428,000	Moderate	Lower Main Stem Susquehanna	Susquehanna River	Lancaster	Lancaster
Penns Creek	8.00	12/30/1942	9.26	7,310	Minor	Penns Creek	Penns Creek	Snyder	Snyder

Shermans Dale	9.00	12/30/1942	9.02	7,620	Minor	Lower Main Stem Susquehanna	Sherman Creek	Perry	Perry
Towanda	16.00	12/31/1942	23.30	171,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Bradford	Bradford
Tunkhannock	11.00	12/30/1942	11.95	22,200	Minor	Upper Main Stem Susquehanna	Tunkhannock Creek	Wyoming	Wyoming
Wilkes-Barre	22.00	1/1/1943	29.37	191,000	Moderate	Upper Main Stem Susquehanna	Susquehanna River	Luzerne	Luzerne

Neshaminy

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Langhorne	9.00	12/30/1942	9.27	7,780	Minor	Neshaminy	Neshaminy Creek	Bucks	Bucks

North Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cumberland	17.00	12/30/1942	17.12	22,200	Minor	North Branch Potomac	North Branch Potomac River	Allegany	Allegany

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Binghamton	14.00	12/31/1942	20.00	-9,999	Major	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Chenango Forks	10.00	12/30/1942	14.00	41,000	Moderate	North Branch Susquehanna	Chenango River	Broome	Broome
Cincinnatus	9.00	12/30/1942	10.67	8,390	Minor	North Branch Susquehanna	Otselic River	Cortland	Cortland
Conklin	11.00	12/31/1942	18.76	48,600	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	12/31/1942	13.56	9,920	Major	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Greene	13.00	12/31/1942	18.33	18,900	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango

Rockdale	11.00	12/31/1942	12.98	17,400	Moderate	North Branch Susquehanna	Unadilla River	Chenango	Chenango
Sherburne	8.00	12/30/1942	9.99	-9,999	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango
Unadilla	11.00	12/30/1942	13.94	21,500	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Otsego	Otsego
Vestal	18.00	12/31/1942	27.41	90,500	Major	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	12/31/1942	19.70	112,000	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga

Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Boonton below Reservoir	5.00	12/31/1942	5.11	1,270	Minor	Passaic	Rockaway River	Morris	Morris
Chatham	6.00	12/31/1942	6.21	1,420	Minor	Passaic	Passaic River	Morris	Morris

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Frederick	15.00	12/30/1942	16.57	18,800	Minor	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Little Falls (Washington DC)	10.00	12/31/1942	13.15	139,000	Moderate	Potomac	Potomac River	Montgomery	Montgomery
Paw Paw	25.00	12/30/1942	26.52	56,500	Minor	Potomac	Potomac River	Allegany	Morgan
Point of Rocks	16.00	12/31/1942	20.47	126,000	Moderate	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	12/31/1942	21.40	93,500	Moderate	Potomac	Potomac River	Jefferson	Jefferson

Schuylkill

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Philadelphia	11.00	12/30/1942	11.36	47,800	Minor	Schuylkill	Schuylkill River	Philadelphia	Philadelphia
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South Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Petersburg	10.00	12/30/1942	10.12	11,800	Minor	South Branch Potomac	South Branch Potomac River	Grant	Grant

West Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Lewisburg	18.00	12/31/1942	22.47	151,000	Minor	West Branch Susquehanna	West Branch Susquehanna River	Northumberland	Union
Lock Haven	21.00	12/31/1942	23.10	-9,999	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Clinton	Clinton
Renovo	16.00	12/30/1942	17.74	105,000	Minor	West Branch Susquehanna	West Branch Susquehanna River	Clinton	Clinton
Williamsport	20.00	12/31/1942	23.03	148,000	Moderate	West Branch Susquehanna	West Branch Susquehanna River	Lycoming	Lycoming

Weather Summary

The moderately light snow-cover present over the basin was depleted by the rains which averaged about 3 inches over the basin. Rains averaged from 3.5 to 5 inches over the Susquehanna River basin during the last 4 days of December. A light to moderate snow-cover in the upper Potomac resulted in high run-off rates, especially above Cumberland from the moderate rains which occurred. For the period December 27-30, the rainfall average 1.85 inches over the Potomac basin, of which 1.25 inches occurred during a 24-hour period of the 29-30th.

Crest Statistics and Flood Information

First flood of 1 that occurred in Dec, 1942

Eleventh flood of 11 that occurred in 1942

Number of Floods at MARFC Forecast Points - 51

Number of Floods Cresting in Minor Range - 25

Number of Floods Cresting in Moderate Range - 22

Number of Floods Cresting in Major Range - 3

Number of Floods Cresting in Missing Range - 1