

# Flood Event of 4/2/1970 - 4/5/1970

## Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Lewistown	23.00	4/3/1970	23.30	-9,999	Minor	Juniata	Juniata River	Mifflin	Mifflin
Mapleton Depot	20.00	4/3/1970	20.76	48,700	Minor	Juniata	Juniata River	Huntingdon	Huntingdon
Spruce Creek	8.00	4/2/1970	9.54	6,060	Minor	Juniata	Little Juniata River	Huntingdon	Huntingdon
Williamsburg	12.00	4/2/1970	13.54	8,550	Moderate	Juniata	Frankstown Branch Juniata River	Blair	Blair

## Lehigh

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Walnutport	8.00	4/2/1970	8.89	23,800	Minor	Lehigh	Lehigh River	Northampton	Northampton

## Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	4/2/1970	7.97	2,980	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Harper Tavern	9.00	4/3/1970	11.97	11,600	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Hogestown	8.00	4/3/1970	9.64	9,710	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Marietta	49.00	4/4/1970	50.47	350,000	Minor	Susquehanna	Susquehanna River	Lancaster	Lancaster
Penns Creek	8.00	4/3/1970	8.30	6,060	Minor	Penns Creek	Penns Creek	Snyder	Snyder
Shermans Dale	9.00	4/3/1970	10.14	10,500	Minor	Main Stem Susquehanna	Sherman Creek	Perry	Perry

### Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Walton	9.50	4/3/1970	10.21	7,550	Minor	Delaware	West Branch Delaware River	Delaware	Delaware

### North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Conklin	11.00	4/3/1970	12.54	25,300	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	4/3/1970	8.61	4,940	Minor	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Sherburne	8.00	4/3/1970	8.89	4,460	Minor	North Branch Susquehanna	Chenango River	Chenango	Chenango
Vestal	18.00	4/3/1970	18.48	44,500	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	4/3/1970	13.43	58,000	Minor	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 above Reservoir (Old Site)	5.00	4/3/1970	6.06	2,870	Moderate	Passaic	Rockaway River	Morris	Morris
Boonton below Reservoir	5.00	4/3/1970	7.16	3,080	Moderate	Passaic	Rockaway River	Morris	Morris
Chatham	6.00	4/2/1970	6.37	1,470	Minor	Passaic	Passaic River	Morris	Morris
Little Falls	7.00	4/5/1970	8.66	9,110	Moderate	Passaic	Passaic River	Passaic	Passaic
Lodi	5.00	4/3/1970	6.32	2,130	Minor	Passaic	Saddle River	Bergen	Bergen
Macopin Intake Dam	15.00	4/3/1970	15.20	1,670	Minor	Passaic	Pequannock River	Passaic	Passaic

Mahwah	8.00	4/2/1970	9.25	3,380	Moderate	Passaic	Ramapo River	Bergen	Bergen
Pine Brook	19.00	4/4/1970	20.07	3,100	Moderate	Passaic	Passaic River	Morris	Morris
Pompton Lakes	11.70	4/3/1970	12.43	4,540	Minor	Passaic	Ramapo River	Passaic	Passaic
Pompton Plains	16.00	4/3/1970	19.28	8,520	Major	Passaic	Pompton River	Passaic	Morris
Wanaque	5.00	4/3/1970	6.96	2,830	Moderate	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	4/2/1970	17.25	22,200	Minor	Potomac	North Branch Potomac River	Allegany	Allegany
Fairview	10.00	4/3/1970	12.07	10,800	Moderate	Potomac	Conococheague Creek	Washington	Washington
Point of Rocks	16.00	4/3/1970	16.64	92,100	Minor	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	4/3/1970	19.45	80,000	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	4/3/1970	11.23	7,860	Moderate	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	4/3/1970	31.02	29,600	Moderate	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	4/3/1970	18.22	23,700	Moderate	Raritan	Raritan River	Somerset	Somerset
Raritan	10.00	4/3/1970	10.49	11,200	Minor	Raritan	North Branch Raritan River	Somerset	Somerset
Stanton	8.00	4/2/1970	11.96	10,500	Moderate	Raritan	South Branch Raritan River	Hunterdon	Hunterdon

### Southeastern Pennsylvania

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Berne	12.00	4/2/1970	12.12	17,300	Minor	Schuylkill	Schuylkill River	Berks	Berks
Chadds Ford	9.00	4/3/1970	9.19	5,310	Minor	Christina	Brandywine Creek	Delaware	Delaware
Graterford	11.00	4/2/1970	12.20	17,600	Minor	Schuylkill	Perkiomen Creek	Montgomery	Montgomery
Langhorne	9.00	4/2/1970	10.80	11,400	Moderate	Neshaminy	Neshaminy Creek	Bucks	Bucks
Philadelphia	11.00	4/2/1970	11.11	45,100	Minor	Schuylkill	Schuylkill River	Philadelphia	Philadelphia
Pottstown	13.00	4/3/1970	14.52	28,600	Minor	Schuylkill	Schuylkill River	Montgomery	Montgomery

### Upper Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Towanda	16.00	4/3/1970	16.03	95,400	Minor	Main Stem Susquehanna	Susquehanna River	Bradford	Bradford
Tunkhannock	11.00	4/2/1970	11.77	16,400	Minor	Main Stem Susquehanna	Tunkhannock Creek	Wyoming	Wyoming

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## Weather Summary

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From April 2nd to April 5th 1970, flooding ranged from minor to major extending from West Virginia to New York. High pressure dominated the Mid-Atlantic region up into New England April 1st, 1970 before the passage of a low pressure system on the morning of April 2nd, 1970 that brought heavy rain and subsequent flooding for West Virginia, Maryland, Pennsylvania, New Jersey and New York. Pompton Plains, New Jersey within the Passaic Basin observed major flooding, cresting at 19.28 feet or 3.28 feet above the flood stage of 16.0 feet with nearby Split Rock Pond, New Jersey recording 3.59 inches of precipitation during the flood event. Marietta, Pennsylvania, which is located along the Susquehanna River, observed minor flooding, cresting at 50.47 feet or 1.47 feet above the flood stage of 49.0 feet with nearby Mount Gretna, Pennsylvania recording 2.10 inches throughout the flood event.

Source: Provided by Kelly Balmes – The Pennsylvania State University

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## Crest Statistics and Flood Information

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First flood of 3 that occurred in Apr, 1970

Fourth flood of 11 that occurred in 1970

Number of Floods at MARFC Forecast Points - 45

Number of Floods Cresting in Minor Range - 30

Number of Floods Cresting in Moderate Range - 14

Number of Floods Cresting in Major Range - 1

Number of Floods Cresting in Missing Range - 0