

Flood Event of 1/21/1979 - 1/27/1979

Appomattox

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Farmville	16.00	1/22/1979	16.57	5,460	Minor	Appomattox	Appomattox River	Cumberland	Prince Edward
Mattoax	21.00	1/25/1979	22.54	6,700	Minor	Appomattox	Appomattox River	Chesterfield	Amelia

Chemung

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Mansfield	12.00	1/24/1979	14.15	5,240	Major	Chemung	Tioga River	Tioga	Tioga

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Palmyra	17.00	1/25/1979	17.29	11,200	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	1/23/1979	13.20	50,000	Minor	James	James River	Henrico	Independent City

Lehigh

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bethlehem	16.00	1/25/1979	17.12	51,700	Minor	Lehigh	Lehigh River	Lehigh	Lehigh
Walnutport	8.00	1/25/1979	9.74	28,500	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
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Camp Hill	7.00	1/25/1979	11.30	5,980	Moderate	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Harper Tavern	9.00	1/25/1979	15.77	20,500	Major	Swatara	Swatara Creek	Lebanon	Lebanon
Harper Tavern	9.00	1/21/1979	10.15	8,780	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Hershey	7.00	1/22/1979	7.12	9,110	Minor	Swatara	Swatara Creek	Dauphin	Dauphin
Hershey	7.00	1/25/1979	14.43	26,600	Major	Swatara	Swatara Creek	Dauphin	Dauphin
Hogestown	8.00	1/25/1979	10.30	10,700	Moderate	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Lancaster	11.00	1/21/1979	12.25	9,830	Minor	Conestoga	Conestoga River	Lancaster	Lancaster
Lancaster	11.00	1/25/1979	13.91	13,000	Moderate	Conestoga	Conestoga River	Lancaster	Lancaster
Penns Creek	8.00	1/25/1979	9.76	8,610	Minor	Susquehanna	Penns Creek	Union	Snyder
Shermans Dale	9.00	1/24/1979	12.02	11,400	Moderate	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
Pemberton	2.70	1/26/1979	2.87	908	Minor	Delaware	North Branch Rancocas Creek	Burlington	Burlington
Pemberton	2.70	1/22/1979	2.96	972	Minor	Delaware	North Branch Rancocas Creek	Burlington	Burlington
Trenton	8.50	1/21/1979	10.76	2,800	Major	Delaware	Assumpink Creek	Mercer	Mercer
Trenton	8.50	1/25/1979	9.36	2,240	Moderate	Delaware	Assumpink Creek	Mercer	Mercer

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Conklin	11.00	1/25/1979	15.70	25,000	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	1/26/1979	12.62	52,900	Minor	North Branch Susquehanna	North Branch Susquehanna River	Tioga	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	1/25/1979	7.06	5,430	Major	Passaic	Rockaway River	Morris	Morris
Boonton below Reservoir	5.00	1/25/1979	8.30	4,380	Major	Passaic	Rockaway River	Morris	Morris
Chatham	6.00	1/27/1979	6.40	1,420	Minor	Passaic	Passaic River	Morris	Morris
Little Falls	7.00	1/27/1979	9.21	10,200	Major	Passaic	Passaic River	Passaic	Passaic
Lodi	5.00	1/21/1979	8.35	2,890	Major	Passaic	Saddle River	Bergen	Bergen
Lodi	5.00	1/25/1979	7.83	2,680	Moderate	Passaic	Saddle River	Bergen	Bergen
Mahwah	8.00	1/21/1979	8.34	2,380	Minor	Passaic	Ramapo River	Bergen	Bergen
Mahwah	8.00	1/25/1979	9.90	4,750	Moderate	Passaic	Ramapo River	Bergen	Bergen
Millington	8.00	1/25/1979	8.73	1,530	Minor	Passaic	Passaic River	Somerset	Morris
Pine Brook	19.00	1/25/1979	21.38	4,300	Major	Passaic	Passaic River	Morris	Morris
Pompton Lakes	11.70	1/25/1979	12.65	5,130	Minor	Passaic	Ramapo River	Passaic	Passaic
Pompton Plains	16.00	1/25/1979	18.17	9,520	Moderate	Passaic	Pompton River	Passaic	Morris

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Fairview	10.00	1/25/1979	12.97	12,500	Moderate	Potomac	Conococheague Creek	Washington	Washington
Franklin	7.00	1/21/1979	7.18	6,240	Minor	Potomac	South Branch Potomac River	Pendleton	Pendleton
Frederick	15.00	1/25/1979	20.25	28,900	Major	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Martinsburg	10.00	1/25/1979	11.81	4,860	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Martinsburg	10.00	1/22/1979	10.61	3,230	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Point of Rocks	16.00	1/25/1979	17.29	96,900	Minor	Potomac	Potomac River	Frederick	Frederick
Sharpsburg	8.00	1/25/1979	10.39	5,470	Moderate	Potomac	Antietam Creek	Washington	Washington
Shepherdstown	15.00	1/25/1979	16.55	62,200	Minor	Potomac	Potomac River	Jefferson	Jefferson

Rappahannock

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Remington	15.00	1/25/1979	16.15	14,100	Minor	Rappahannock	Rappahannock River	Fauquier	Fauquier

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	1/22/1979	13.84	10,300	Moderate	Raritan	Millstone River	Somerset	Somerset
Blackwells Mills	9.00	1/25/1979	13.37	9,350	Moderate	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	1/22/1979	30.91	29,000	Moderate	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Bound Brook	28.00	1/25/1979	33.18	34,600	Major	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	1/22/1979	16.00	17,000	Minor	Raritan	Raritan River	Somerset	Somerset

Manville	14.00	1/25/1979	18.48	23,000	Moderate	Raritan	Raritan River	Somerset	Somerset
Raritan	10.00	1/25/1979	11.87	15,100	Minor	Raritan	North Branch Raritan River	Somerset	Somerset
Stanton	8.00	1/25/1979	12.72	12,100	Major	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	1/25/1979	13.77	21,700	Minor	Schuylkill	Schuylkill River	Berks	Berks
Chadds Ford	9.00	1/25/1979	14.35	16,400	Major	Delaware	Brandywine Creek	Delaware	Delaware
Graterford	11.00	1/25/1979	14.79	26,400	Moderate	Schuylkill	Perkiomen Creek	Montgomery	Montgomery
Langhorne	9.00	1/21/1979	11.84	12,200	Moderate	Neshaminy	Neshaminy Creek	Bucks	Bucks
Langhorne	9.00	1/25/1979	13.64	16,400	Major	Neshaminy	Neshaminy Creek	Bucks	Bucks
Philadelphia	11.00	1/25/1979	12.97	74,100	Minor	Schuylkill	Schuylkill River	Philadelphia	Philadelphia
Pottstown	13.00	1/25/1979	18.21	43,000	Moderate	Schuylkill	Schuylkill River	Montgomery	Montgomery
Reading	13.00	1/25/1979	17.36	37,500	Moderate	Schuylkill	Schuylkill River	Berks	Berks
Wilmington	11.00	1/25/1979	13.22	22,400	Moderate	Delaware	Brandywine Creek	New Castle	New Castle

Weather Summary

A significant low pressure system raced northeastward through the Mid-Atlantic in late January. The system developed on the 20th over Louisiana, but by the 21st the low had deepened to near 980 mb over Virginia. Snow fell to the east of the storm in New York, Central Pennsylvania, West Virginia, and Western Virginia. However, to the east of the storm 2.00-4.00 inches of rain fell which caused widespread flooding in New Jersey and Eastern Pennsylvania and Virginia.

Crest Statistics and Flood Information

Third flood of 3 that occurred in Jan, 1979

Third flood of 16 that occurred in 1979

Number of Floods at MARFC Forecast Points - 61

Number of Floods Cresting in Minor Range - 27

Number of Floods Cresting in Moderate Range - 20

Number of Floods Cresting in Major Range - 14

Number of Floods Cresting in Missing Range - 0