

Flood Event of 12/11/2003 - 12/13/2003

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Palmyra	17.00	12/11/2003	19.59	14,400	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	12/12/2003	13.54	53,723	Minor	James	James River	Henrico	Independent City

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Shirleysburg	10.00	12/11/2003	13.52	11,900	Moderate	Juniata	Aughwick Creek	Huntingdon	Huntingdon

Lower Main Stem Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Camp Hill	7.00	12/11/2003	8.49	3,400	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Harper Tavern	9.00	12/12/2003	10.82	9,800	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Hershey	7.00	12/12/2003	7.51	9,970	Minor	Swatara	Swatara Creek	Dauphin	Dauphin
Hogestown	8.00	12/12/2003	9.11	7,800	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Penns Creek	8.00	12/11/2003	8.23	6,000	Minor	Susquehanna	Penns Creek	Union	Snyder
Shermans Dale	9.00	12/11/2003	11.37	9,970	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
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Cooks Falls	10.00	12/11/2003	10.01	9,950	Minor	Delaware	Beaver Kill	Delaware	Delaware
Trenton	8.50	12/11/2003	8.54	2,000	Minor	Delaware	Assunpink Creek	Mercer	Mercer

North Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cortland	8.00	12/12/2003	8.47	4,350	Minor	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Sherburne	8.00	12/11/2003	8.02	2,900	Minor	North Branch Susquehanna	Chenango River	Chenango	Chenango
Waverly	11.00	12/12/2003	11.38	43,800	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 below Reservoir	5.00	12/12/2003	6.26	2,330	Minor	Passaic	Rockaway River	Morris	Morris
Little Falls	7.00	12/13/2003	7.57	7,320	Minor	Passaic	Passaic River	Passaic	Passaic
Macopin Intake Dam	5.50	12/12/2003	5.78	1,390	Minor	Passaic	Pequannock River	Passaic	Passaic
Mahwah	8.00	12/11/2003	8.80	4,200	Minor	Passaic	Ramapo River	Bergen	Bergen
Pine Brook	19.00	12/13/2003	19.26	3,040	Minor	Passaic	Passaic River	Morris	Morris
Pompton Lakes	9.00	12/12/2003	12.31	4,120	Missing	Passaic	Ramapo River	Passaic	Passaic
Pompton Plains	16.00	12/12/2003	16.77	9,290	Minor	Passaic	Pompton River	Passaic	Morris
Wanaque	5.00	12/12/2003	5.97	1,550	Minor	Passaic	Wanaque River	Passaic	Passaic

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Dawsonville	7.50	12/11/2003	10.40	6,810	Minor	Potomac	Seneca Creek	Montgomery	Montgomery
Frederick	15.00	12/12/2003	20.92	27,400	Major	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Great Cacapon	9.00	12/11/2003	12.54	14,000	Minor	Potomac	Cacapon River	Morgan	Morgan
Leesburg	12.00	12/11/2003	17.31	16,200	Moderate	Potomac	Goose Creek	Loudoun	Loudoun
Little Falls (Washington DC)	10.00	12/12/2003	10.87	154,000	Minor	Potomac	Potomac River	Montgomery	Montgomery
Point of Rocks	16.00	12/12/2003	19.58	18,000	Minor	Potomac	Potomac River	Frederick	Frederick
Sharpsburg	8.00	12/12/2003	9.31	4,800	Minor	Potomac	Antietam Creek	Washington	Washington
Shepherdstown	15.00	12/12/2003	18.24	-9,999	Moderate	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	12/11/2003	18.76	19,700	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	12/12/2003	11.88	7,160	Moderate	Raritan	Millstone River	Somerset	Somerset
Bound Brook	28.00	12/12/2003	30.02	23,100	Moderate	Raritan	Raritan River below Calco Dam	Somerset	Somerset
Manville	14.00	12/11/2003	16.53	19,100	Minor	Raritan	Raritan River	Somerset	Somerset

Raritan	10.00	12/11/2003	10.17	10,230	Minor	Raritan	North Branch Raritan River	Somerset	Somerset
Stanton	8.00	12/11/2003	9.24	5,580	Minor	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
Chadds Ford	9.00	12/11/2003	10.42	7,895	Minor	Delaware	Brandywine Creek	Delaware	Delaware
Langhorne	9.00	12/11/2003	14.04	14,900	Major	Neshaminy	Neshaminy Creek	Bucks	Bucks

West Branch Susquehanna

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Beech Creek Station	11.00	12/11/2003	11.74	5,460	Minor	West Branch Susquehanna	Bald Eagle Creek	Clinton	Clinton

Weather Summary

A strong low pressure system pushed northeastward across the Mid-Atlantic states in the second of December. The system brought a large swath of precipitation that extended across several states. Temperatures were mainly in the 40s and 50s and the precipitation fell as rain. The rain began on the 10th in parts of the region before picking up on the 11th. Some showers lingered across parts of New York on the 12th, but the vast majority of the precipitation fell on the 11th in all areas. For the most part, rainfall totals ranged from 1.00 and 2.00 inches with some locally heavier amounts, such as the 4.05 inches that were recorded in Mount Pocono, PA.

Crest Statistics and Flood Information

First flood of 2 that occurred in Dec, 2003

Twenty-Third flood of 24 that occurred in 2003

Number of Floods at MARFC Forecast Points - 39

Number of Floods Cresting in Minor Range - 30

Number of Floods Cresting in Moderate Range - 6

Number of Floods Cresting in Major Range - 2

Number of Floods Cresting in Missing Range - 1