

Flood Event of 3/21/2003 - 3/25/2003

Appomattox

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Farmville	16.00	3/21/2003	18.82	8,612	Minor	Appomattox	Appomattox River	Cumberland	Prince Edward
Matoaca	10.00	3/23/2003	10.37	10,925	Minor	Appomattox	Appomattox River	Chesterfield	Chesterfield
Mattoax	21.00	3/24/2003	25.19	9,900	Moderate	Appomattox	Appomattox River	Amelia	Amelia

Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Walton	9.50	3/21/2003	11.21	9,620	Minor	Delaware	West Branch Delaware River	Delaware	Delaware

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Palmyra	17.00	3/21/2003	20.68	15,970	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	3/21/2003	14.44	63,740	Minor	James	James River	Henrico	Independent City

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Hale Eddy	11.00	3/22/2003	11.10	12,000	Minor	Main Stem Delaware	West Branch Delaware River	Delaware	Delaware

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	3/21/2003	7.71	2,900	Minor	Yellow Breeches	Yellow Breeches Creek	Cumberland	Cumberland
Conowingo	23.50	3/22/2003	24.15	308,000	Minor	Lower Main Stem Susquehanna	Susquehanna River	Harford	Cecil
Harper Tavern	9.00	3/21/2003	10.39	9,120	Minor	Swatara	Swatara Creek	Lebanon	Lebanon
Hogestown	8.00	3/22/2003	8.37	6,590	Minor	Conodoguinet	Conodoguinet Creek	Cumberland	Cumberland
Wilkes-Barre	22.00	3/22/2003	22.84	122,000	Minor	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
Bainbridge	13.00	3/22/2003	17.63	29,200	Minor	North Branch Susquehanna	North Branch Susquehanna River	Chenango	Chenango
Conklin	11.00	3/23/2003	14.73	33,500	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Cortland	8.00	3/21/2003	9.33	5,510	Minor	North Branch Susquehanna	Tioughnioga River	Cortland	Cortland
Greene	13.00	3/22/2003	13.15	9,780	Minor	North Branch Susquehanna	Chenango River	Chenango	Chenango
Sherburne	8.00	3/21/2003	9.08	4,880	Moderate	North Branch Susquehanna	Chenango River	Chenango	Chenango
Unadilla	11.00	3/22/2003	11.47	14,300	Minor	North Branch Susquehanna	North Branch Susquehanna River	Otsego	Otsego
Vestal	18.00	3/23/2003	21.01	51,800	Moderate	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome
Waverly	11.00	3/23/2003	14.16	61,700	Minor	North Branch Susquehanna	North Branch Susquehanna River	Bradford	Tioga
Windsor	17.00	3/23/2003	17.09	30,000	Minor	North Branch Susquehanna	North Branch Susquehanna River	Broome	Broome

Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Boonton below Reservoir	5.00	3/22/2003	5.24	1,482	Minor	Passaic	Rockaway River	Morris	Morris
Little Falls	7.00	3/23/2003	7.34	6,950	Minor	Passaic	Passaic River	Passaic	Passaic
Macopin Intake Dam	5.50	3/25/2003	6.31	1,940	Minor	Passaic	Pequannock River	Passaic	Passaic
Wanaque	5.00	3/22/2003	5.70	1,380	Minor	Passaic	Wanaque River	Passaic	Passaic

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Martinsburg	10.00	3/21/2003	11.51	-9,999	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Point of Rocks	16.00	3/22/2003	16.85	94,820	Minor	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	3/22/2003	16.73	-9,999	Minor	Potomac	Potomac River	Jefferson	Jefferson
Wisconsin Ave, Washington, DC	6.00	3/22/2003	6.28	-9,999	Minor	Potomac	Potomac River	Dist. of Columbia	Dist. of Columbia

Rappahannock

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Remington	15.00	3/21/2003	15.95	12,300	Minor	Rappahannock	Rappahannock River	Fauquier	Fauquier

Weather Summary

A low pressure system and its associated occluded frontal boundaries moved northeastward into the region on the March 20th. Heavy widespread rain fell across all of the Mid-Atlantic Region on the 20th and parts of the 21st. Rainfall totals in most locations exceed an inch, and some areas neared 2.00 inches. This widespread rainfall led to mainly minor flooding across the region's river basins. It is also likely that there was some degree of snow melt in Pennsylvania and New York as analysis showed that there was snow cover through at least mid-March before the air temperatures began to rise.

Crest Statistics and Flood Information

First flood of 1 that occurred in Mar, 2003

Fifth flood of 24 that occurred in 2003

Number of Floods at MARFC Forecast Points - 30

Number of Floods Cresting in Minor Range - 26

Number of Floods Cresting in Moderate Range - 4

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0