

Flood Event of 2/22/2003 - 2/26/2003

Appomattox

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Farmville	16.00	2/23/2003	17.36	6,546	Minor	Appomattox	Appomattox River	Cumberland	Prince Edward
Mattoax	21.00	2/26/2003	21.94	5,965	Minor	Appomattox	Appomattox River	Chesterfield	Amelia

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Bent Creek	16.00	2/23/2003	17.97	79,800	Minor	James	James River	Nelson	Appomattox
Bremo Bluff	19.00	2/24/2003	29.20	-9,999	Moderate	James	James River	Fluvanna	Fluvanna
Buchanan	17.00	2/23/2003	24.03	72,000	Moderate	James	James River	Botetourt	Botetourt
Cartersville	20.00	2/24/2003	24.47	104,000	Moderate	James	James River	Goochland	Cumberland
Holcomb Rock	22.00	2/23/2003	25.43	78,600	Moderate	James	James River	Bedford	Bedford
Lick Run	16.00	2/22/2003	19.92	37,600	Minor	James	James River	Botetourt	Botetourt
Palmyra	17.00	2/23/2003	23.79	23,275	Minor	James	Rivanna River	Fluvanna	Fluvanna
Richmond	12.00	2/25/2003	18.73	113,000	Moderate	James	James River	Henrico	Independent City
Scottsville	20.00	2/24/2003	22.58	92,800	Moderate	James	James River	Albemarle	Albermarle

Main Stem Delaware

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Pemberton	2.50	2/24/2003	2.78	846	Minor	Delaware	North Branch Rancocas Creek	Burlington	Burlington
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Passaic

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chatham	6.00	2/24/2003	6.36	1,408	Minor	Passaic	Passaic River	Morris	Morris

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Martinsburg	10.00	2/23/2003	10.50	-9,999	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Point of Rocks	16.00	2/24/2003	16.50	91,990	Minor	Potomac	Potomac River	Frederick	Frederick
Springfield	15.00	2/24/2003	15.07	21,560	Minor	Potomac	South Branch Potomac River	Hampshire	Hampshire

Rappahannock

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Culpeper	14.00	2/23/2003	14.30	14,590	Minor	Rappahannock	Rapidan River	Culpeper	Culpeper

Raritan

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Blackwells Mills	9.00	2/24/2003	9.75	5,094	Minor	Raritan	Millstone River	Somerset	Somerset
Manville	14.00	2/23/2003	14.16	12,650	Minor	Raritan	Raritan River	Somerset	Somerset

Shenandoah

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
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Front Royal	12.00	2/24/2003	12.76	27,053	Minor	Shenandoah	Shenandoah River	Warren	Warren
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Southeastern Pennsylvania

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Chadds Ford	9.00	2/22/2003	10.01	7,050	Minor	Delaware	Brandywine Creek	Delaware	Delaware
Langhorne	9.00	2/23/2003	9.48	7,380	Minor	Neshaminy	Neshaminy Creek	Bucks	Bucks

Weather Summary

Between the 14th and 17th of February a large snow storm pushed across much of the Northeast. Upwards of a foot of snow fell in several locations across Virginia, West Virginia, Maryland, New Jersey, Pennsylvania and New York. Higher amounts of snow ranging up to 30" were reported from this Valentine's Day weekend storm. Visible satellite imagery on the 20th shows that the snow did not melt right away as high temperatures remained largely in the 30s and 40s. Then on the 21st, a low pressure system from Texas began to interact with a stationary front located across New England. As the low moved northeastward into the Mid-Atlantic states on the 22nd, upwards of 1" of rain fell in many locations. Scattered light rain and snow showers continued through the 26th as the system pushed its way out of the area. Several locations saw upwards of 2" of storm total precipitation. This rain coupled with the melting snow left over from the storm earlier in the week caused widespread minor to moderate flooding across the region.

Crest Statistics and Flood Information

Second flood of 2 that occurred in Feb, 2003
 Fourth flood of 24 that occurred in 2003
 Number of Floods at MARFC Forecast Points - 22

Number of Floods Cresting in Minor Range - 16
 Number of Floods Cresting in Moderate Range - 6
 Number of Floods Cresting in Major Range - 0
 Number of Floods Cresting in Missing Range - 0