

Flood Event of 5/4/2009 - 5/6/2009

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Shirleysburg	10.00	5/5/2009	10.36	6,030	Minor	Juniata	Aughwick Creek	Huntingdon	Huntingdon

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cumberland	17.00	5/4/2009	17.43	23,500	Minor	Potomac	North Branch Potomac River	Allegany	Allegany
Great Cacapon	9.00	5/5/2009	11.86	12,400	Minor	Potomac	Cacapon River	Morgan	Morgan
Martinsburg	10.00	5/5/2009	10.07	2,660	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Paw Paw	25.00	5/5/2009	25.94	53,100	Minor	Potomac	Potomac River	Allegany	Morgan
Point of Rocks	16.00	5/6/2009	17.50	100,000	Minor	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	5/5/2009	-9999.00	-9,999	Missing	Potomac	Potomac River	Jefferson	Jefferson

Weather Summary

Several waves of low pressure ran along a quasi-stationary front draped across the Mid-Atlantic region. The waves produced periods of rain from May 1 to May 6 and caused minor flooding in the Upper Potomac and Juniata Basins. 24-hour rainfall from the first wave produced 1/4 to 3/4 inches in the Juniata and upper Potomac Basins ending 12Z May 2. The front dipped slightly over southern Virginia as the next wave moved northeast along the front. 24-hour amounts ending 12z May 3 ranged from 0.1 to 0.3 inches in the Upper Potomac Basin. Another wave of low pressure brought some light rain early on the 3rd. This new wave, which was much stronger than previous waves, drew Gulf moisture and produced locally moderate to heavy rain overnight on the 4th. The heaviest rain from 12Z Sunday to 12Z Monday fell from the PA/MD border into the southern half of New Jersey southward into Maryland, West Virginia and Virginia. One to two inches was a common amount. On May 4th, the next wave ran along the front from west to east. A 12 hour swath of 1 to 1.5 inches of rain fell from Maryland into southern Pennsylvania. Two more waves affected the same area on May 5-6, but the additional rain had little impact on locations that were already flooding.

Crest Statistics and Flood Information

First flood of 4 that occurred in May, 2009

Third flood of 17 that occurred in 2009

Number of Floods at MARFC Forecast Points - 7

Number of Floods Cresting in Minor Range - 6

Number of Floods Cresting in Moderate Range - 0

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 1