

Flood Event of 5/12/1924 - 5/14/1924

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Buchanan	17.00	5/12/1924	21.50	60,000	Moderate	James	James River	Botetourt	Botetourt
Cartersville	20.00	5/13/1924	24.70	106,000	Moderate	James	James River	Goochland	Cumberland
Lick Run	16.00	5/12/1924	24.60	57,500	Moderate	James	James River	Botetourt	Botetourt

Juniata

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Williamsburg	12.00	5/12/1924	12.80	11,000	Minor	Juniata	Frankstown Branch Juniata River	Blair	Blair

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Great Cacapon	9.00	5/12/1924	19.32	38,000	Moderate	Potomac	Cacapon River	Morgan	Morgan
Hancock	30.00	5/13/1924	35.00	160,000	Major	Potomac	Potomac River	Washington	Washington
Harpers Ferry	18.00	5/13/1924	27.60	-9,999	Major	Potomac	Potomac River	Jefferson	Jefferson
Paw Paw	25.00	5/13/1924	43.50	-9,999	Major	Potomac	Potomac River	Allegany	Morgan
Point of Rocks	16.00	5/13/1924	32.20	277,000	Major	Potomac	Potomac River	Frederick	Frederick
Shepherdstown	15.00	5/13/1924	29.80	168,000	Major	Potomac	Potomac River	Jefferson	Jefferson
Wisconsin Ave, Washington, DC	6.00	5/14/1924	12.80	-9,999	Major	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
Fredericksburg (Old Site)	18.00	5/13/1924	25.10	-9,999	Moderate	Rappahannock	Rappahannock River	Spotsylvania	Independent City

Shenandoah

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Cootes Store	15.00	5/12/1924	16.70	17,800	Minor	Shenandoah	Shenandoah River	Rockingham	Rockingham
Luray	14.00	5/12/1924	22.50	72,800	Moderate	Shenandoah	South Fork Shenandoah River	Page	Page
Millville	13.50	5/13/1924	21.10	119,000	Major	Shenandoah	Shenandoah River	Jefferson	Jefferson

South Branch Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Moorefield	10.00	5/13/1924	13.50	28,000	Moderate	South Branch Potomac	South Fork South Branch Potomac River	Hardy	Hardy
Petersburg	10.00	5/13/1924	19.20	45,000	Major	South Branch Potomac	South Branch Potomac River	Grant	Grant

Weather Summary

Maddox Frontal with cut-off - May 1924 is a different event type. The PW is not as impressive. A series of deep 500 hPa cut-off lows moved over the region. The first low likely produced moderate to heavy rainfall on the 8-9 May and the second affect the region around the 12th. It must have been wet ahead of the system. Both events had strong u-wind anomalies north of the low-level anomalous cyclone in both systems. A -3 sigma 500 hPa low came over the Mid-Atlantic region on 12 May. Heaviest rainfall for the 12-14 May event was likely on the 12th ending on the 13th. – (Rich Grumm National Weather Service State College, PA)

Source: Grumm NWS WFO CTP

Crest Statistics and Flood Information

First flood of 1 that occurred in May, 1924

Seventh flood of 8 that occurred in 1924

Number of Floods at MARFC Forecast Points - 17

Number of Floods Cresting in Minor Range - 2

Number of Floods Cresting in Moderate Range - 7

Number of Floods Cresting in Major Range - 8

Number of Floods Cresting in Missing Range - 0