

Flood Event of 2/2/2016 - 2/7/2016

James

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Richmond	12.00	2/5/2016	12.02	42,100	Minor	James	James River	Henrico	Independent City

Potomac

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Dawsonville	7.50	2/3/2016	7.55	2,380	Minor	Potomac	Seneca Creek	Montgomery	Montgomery
Edwards Ferry	15.00	2/5/2016	17.59	-9,999	Moderate	Potomac	Potomac River	Montgomery	Montgomery
Frederick	15.00	2/4/2016	16.71	18,200	Minor	Potomac	Monocacy River at Jug Bridge	Frederick	Frederick
Great Cacapon	9.00	2/2/2016	9.85	8,430	Minor	Potomac	Cacapon River	Morgan	Morgan
Great Cacapon	9.00	2/4/2016	10.07	8,830	Minor	Potomac	Cacapon River	Morgan	Morgan
Martinsburg	10.00	2/4/2016	10.80	3,530	Minor	Potomac	Opequon Creek	Berkeley	Berkeley
Point of Rocks	16.00	2/5/2016	16.00	88,000	Minor	Potomac	Potomac River	Frederick	Frederick
Wisconsin Ave, Washington, DC	6.00	2/4/2016	6.00	-9,999	Minor	Potlomag	Potomac River	Dist. of Columbia	Dist. of Columbia

Shenandoah

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County of Gage	County of Forecast Point
Millville	10.00	2/5/2016	10.90	26,400	Minor	Shenandoah	Shenandoah River	Jefferson	Jefferson

Weather Summary

Strong low pressure moved across the Midwest, upper Great Lakes Feb 3 and then weakened as it moved through Ontario and Quebec on Feb 4. Much above average PW values were along and ahead of the trailing cold front. The PWs were generally 3 to 4 standard deviations above the mean across a large portion of our basins. This axis of anomalous moisture was in courtesy of an impressively strong southerly low level jet reaching as high as 50 to 70 KTS ahead of the front resulting in extremely high moisture flux anomalies. A wide band of moderate to heavy rain fell within this axis of higher PW'S where convergent low level flow coincided with a relatively diffluent flow regime aloft. The rain also combined with melting snow from the historic January 2016 snowstorm.

Crest Statistics and Flood Information

First flood of 1 that occurred in Feb, 2016

First flood of 1 that occurred in 2016

Number of Floods at MARFC Forecast Points - 10

Number of Floods Cresting in Minor Range - 9

Number of Floods Cresting in Moderate Range - 1

Number of Floods Cresting in Major Range - 0

Number of Floods Cresting in Missing Range - 0