

Floods Caused by Tropical Systems: Shenandoah River at Millville, WV

Latitude: 39.282

Period of Record: 1870-Present

Longitude: -77.789

Flood Stage: 10

Last Flood: 12/22/2018

Number of Floods: 61

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/20/1945	17.1	61,800	The 1945 Southeast Florida Hurricane brought gusty winds and heavy rains to the Mid-Atlantic region.
8/19/1955	21.45	99,000	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
6/23/1972	21.89	103,000	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
10/1/1896	19.72	105,000	A hurricane knocked out communication in Richmond. Several buildings were unroofed in Petersburg. In Buena Vista, the fire department rescued people from their homes. The Potomac, Chesapeake and Ohio Canals merged into one giant canal.
10/16/1942	32.4	230,000	The remnants of the eighth tropical storm of the year produced torrential rains and caused the worst river flooding in the history of Virginia.
9/20/2003	17.31	66,100	Hurricane Isabel combined with another system and produced more than 3 inches of rain in VA with locally heavier amounts of 10 inches. Another low pressure system moved through the region and produced a few additional inches of rain.
9/7/1979	13.93	41,100	Hurricane David dumped 3-7 inches of rainfall across Virginia, Maryland and Pennsylvania.
9/8/1996	26.84	156,000	Hurricane Fran produced up to 16 inches of rain in the western part of Virginia and up to 7 inches in the Juniata Basin in Pennsylvania. Fran was the worst flood even to hit Maryland since Hurricane Hazel and the January 1996 Flood.
10/31/2012	11.42	29,000	Hurricane Sandy moved across NJ through PA producing 3 to 7 inches of rain with locally higher amounts in areas that saw flooding. The hurricane rapidly lost its tropical characteristics as it moved northwest.

Drainage Area: 3041 square miles

Gage Datum: 292.44 ft MSL

Data represent all historical events.
Shenandoah Basin

County of Gage: Jefferson
County of Forecast Point: Jefferson

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/18/1940	13.7	40,100	As a strong Category 1 storm, the Southeast Hurricane produced over 1 inches of rain just south of our basins and caused widespread flooding across Virginia.
11/6/1985	25.6	142,000	Hurricane Juan produced more than 1 inch of rain in VA with more than 7 inches reported in higher elevations. A coastal low pressure system produced an additional 1-7 inches of rain and caused widespread major flooding in Virginia and Maryland.
9/30/2004	14.15	44,500	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.
9/19/2018	13.5	40,500	Remnants of Hurricane Florence produced rain up to 5+ inches in spots, leading to moderate to major flooding.

Drainage Area: 3041 square miles
Gage Datum: 292.44 ft MSL

Data represent all historical events.
Shenandoah Basin

County of Gage: Jefferson
County of Forecast Point: Jefferson