

Floods Caused by Tropical Systems: South Fork Shenandoah River near Luray, VA

Latitude: 38.646

Period of Record: 1896-Present

Longitude: -78.535

Flood Stage: 14

Last Flood: 9/28/2018

Number of Floods: 25

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/19/1945	18.36	44,100	The 1945 Southeast Florida Hurricane brought gusty winds and heavy rains to the Mid-Atlantic region.
10/1/1896	25.4	-9,999	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	25.7	100,000	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	19.11	50,600	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.
9/6/1979	15.73	32,700	Hurricane David dumped 3-7 inches of rainfall across Virginia, Maryland and Pennsylvania.
9/7/1996	26.95	112,000	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.
8/17/1940	17.87	41,100	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.
11/5/1985	26.72	110,000	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.
9/29/2004	16.24	36,000	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.

Drainage Area: 1372 square miles

Gage Datum: 721.76 ft MSL

Data represent all historical events.
Shenandoah Basin

County of Gage: [Page](#)
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Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/18/2018	17.63	39,700	Remnants of Hurricane Florence produced rain up to 5+ inches in spots, leading to moderate to major flooding.