

# Floods Caused by Tropical Systems: Rapidan River near Culpeper, VA

Latitude: 38.35

Period of Record: 1930-Present

Longitude: -77.975

Flood Stage: 13

Last Flood: 8/4/2018

Number of Floods: 61

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/6/1935	17.53	15,600	The "Labor Day Hurricane" dumped heavy rain along the East Coast. A total of 16.62 inches of rain was reported in Easton and 12.1 inches of rain was reported in Salisbury, MD.
8/18/1955	24.31	33,800	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.
10/18/1932	15.72	11,400	Remnants of the eighth tropical storm of the season produced 2.00 inches of rainfall across most of the Mid-Atlantic region.
6/22/1972	29.53	55,600	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.
10/16/1942	30.3	58,100	The remnants of the eighth tropical storm of the year produced torrential rains and caused the worst river flooding in the history of Virginia.
9/19/2003	18.51	20,700	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	18.79	17,600	Hurricane David dumped 3-7 inches of rainfall across Virginia, Maryland and Pennsylvania.
9/7/1996	27.49	47,800	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.
9/9/1987	17.77	15,500	Tropical Depression Nine merged with a cold front to produce over 5 inches of rain in Virginia and 3-7 inches of rain in Pennsylvania.

Drainage Area: 468 square miles

Gage Datum: 241.36 ft MSL

Data represent all historical events.  
Rappahannock Basin

County of Gage: Culpeper  
County of Forecast Point: Culpeper

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/17/1940	15.36	10,400	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	22.52	28,500	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	14.06	14,300	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.

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