

Floods Caused by Tropical Systems: Bush Kill at Shoemakers

Latitude: 41.088

Period of Record: 1920-Present

Longitude: -75.038

Flood Stage: 6 ft

Last Flood: 9/8/2011

Number of Floods: 15

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/19/1955	13.95	23,400	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.
8/28/2011	7.35	5,480	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
9/18/2004	7.27	5,330	The remnants of Hurricane Ivan, combined with a cold front, produced an average rainfall amount of 2-4 inches in NY, 3-7 inches in PA, 1-3.5 inches in NJ and 2 inches in WV.
9/8/2011	6.16	3,950	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.

Drainage Area: 117 sq mi

Tropical information before 1940 is limited.

County of Gage: Monroe

Gage Datum: 421.13 ft MSL

Main Stem Delaware Basin

County of Forecast Point: Cambria