

Historical Floods: Bush Kill at Shoemakers, PA

Latitude: 41.088

Period of Record: 1920-Present

Longitude: -75.038

Flood Stage: 6

Last Flood: 9/8/2011

Number of Floods: 15

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
7/24/1920	7.2	5,250	Moderate	C1					
3/12/1936	6.1	3,590	Minor	C1					
3/18/1936	6.92	4,770	Minor	C1					
8/19/1955	13.95	23,400	Major	C1					
7/28/1969	8.36	7,300	Major	none					
12/21/1973	6.34	4,280	Minor	none					
1/9/1978	6.67	4,720	Minor	none					
1/27/1996	7.01	4,990	Moderate	none					
9/18/2004	7.27	5,330	Moderate	none					
4/3/2005	7.51	5,670	Moderate	none					
6/28/2006	7.31	5,380	Moderate	none					
3/7/2011	6.04	3,820	Minor	none					
3/11/2011	6.9	4,850	Minor	none					
8/28/2011	7.35	5,480	Moderate	none					
9/8/2011	6.16	3,950	Minor	none					

Drainage Area: 117 square miles

Gage Datum: 421.13 ft MSL

Data represent all historical events.
Delaware Basin

County of Gage: Monroe
County of Forecast Point: Cambria

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
Code	Description								
C1	Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.								
C2	Crest information looks reliable despite potential problems. This data was used in frequency calculations.								
C3	Crest height estimated by the USGS.								
C4	Crest height is from the National Weather Service.								
C5	Crest height affected by backwater.								
C6	Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.								
C7	Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects.								
C8	Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.								
C9	Crest date (day) in the month is unknown.								
F1	Flow is an estimate.								
F2	Flow affected by regulation or diversion and in some cases to an unknown degree.								
F3	Flow effected by snow-melt, ice jam or debris jam break up.								
F4	Flow affected by dam failure.								
F5	Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.								
G1	Gage height at a different site and/or datum.								
G2	Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.								
G3	Gage datum changed during this year.								
none	No code; Good Data								