

## Floods Caused by Tropical Systems: Frankstown Branch Juniata River at Williamsburg

Latitude: 40.463

Period of Record: 1889-Present

Longitude: -78.2

Flood Stage: 12 ft

Last Flood: 9/10/2011

Number of Floods: 44

| Date of Crest | Crest (ft) | Streamflow (cfs) | Remarks  |
|---------------|------------|------------------|--|
| 9/18/2004     | 19.46      | 18,000           | 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.  |
| 6/23/1972     | 18.39      | 16,400           | 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.     |
| 9/9/2004      | 16.91      | 13,600           | The remnants of Hurricane Frances combined with a low pressure system and produced heavy rain throughout the Mid-Atlantic. Rainfall totals ranged from 2 - 3 inches in New Jersey to 2.5 - 6 inches in Central Pennsylvania.             |
| 9/7/2011      | 14.03      | 9,810            | 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.                           |
| 9/7/1996      | 12.82      | 7,840            | 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. |
| 10/16/1954    | 12.27      | 8,000            | Hurricane Hazel dumped 6- 10 inches of rain in the western portion of Virginia.  |
| 9/10/2011     | 12.16      | 7,360            | 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: 291 sq mi

Tropical information before 1940 is limited.

County of Gage: Blair

Gage Datum: 831.78 ft MSL

Juniata Basin

County of Forecast Point: Blair