

Historical Floods: Frankstown Branch Juniata River at Williamsburg, PA

Latitude: 40.463
Flood Stage: 12

Period of Record: 1889-Present
Last Flood: 9/10/2018

Longitude: -78.2
Number of Floods: 47

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/1/1889	19.1	35,500	Major	C1	6/23/1972	18.39	16,400	Major	none
5/12/1924	12.8	11,000	Minor	C1	4/3/1977	12.11	6,770	Minor	none
2/12/1925	12.4	10,200	Minor	C1	3/5/1979	13.05	7,900	Moderate	none
10/23/1929	13.9	13,000	Moderate	none	2/15/1984	15.38	11,300	Major	none
3/18/1936	18.58	30,000	Major	none	3/15/1986	12.09	6,960	Minor	none
4/26/1937	13.9	13,400	Moderate	none	4/5/1987	13.76	9,040	Moderate	none
4/28/1937	12.43	11,400	Minor	none	4/16/1993	14.08	9,470	Moderate	none
3/31/1940	12.94	12,900	Minor	none	11/28/1993	16.03	12,300	Major	none
3/11/1952	12.82	9,250	Minor	none	3/25/1994	13.59	8,820	Moderate	none
3/1/1954	13.98	11,200	Moderate	none	1/19/1996	19.35	17,800	Major	none
10/16/1954	12.27	8,000	Minor	none	3/20/1996	12.05	6,920	Minor	none
8/8/1956	13.23	10,500	Moderate	none	7/20/1996	13.28	8,420	Moderate	none
5/9/1960	13.36	9,920	Moderate	none	9/7/1996	12.82	7,840	Minor	none
2/26/1961	14.12	11,400	Moderate	none	11/8/1997	17.9	15,200	Major	none
3/5/1963	12.25	5,130	Minor	C5 C7	1/2/2003	13.49	8,690	Moderate	none
3/10/1964	12.04	7,540	Minor	none	11/20/2003	12.85	7,900	Minor	none
2/14/1966	13.3	9,800	Moderate	none	9/9/2004	16.91	13,600	Major	none
3/6/1967	12.92	9,050	Minor	none	9/18/2004	19.46	18,000	Major	none
4/2/1970	13.54	8,550	Moderate	none	1/25/2010	12.25	7,160	Minor	none
11/13/1970	14.5	10,000	Moderate	none	3/14/2010	13.56	8,780	Moderate	none

Drainage Area: 291 square miles
Gage Datum: 831.78 ft MSL

Data represent all historical events.
Juniata Basin

County of Gage: Blair
County of Forecast Point: Blair

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
12/1/2010	15.27	11,600	Major	none					
3/11/2011	13.77	9,470	Moderate	none					
9/7/2011	14.03	9,810	Moderate	none					
9/10/2011	12.16	7,360	Minor	none					
2/16/2018	12.63	7,890	Minor	none					
8/3/2018	12.58	7,830	Minor	none					
9/10/2018	16.98	14,400	Major	none					

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

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