

Historical Floods: James River at Bremo Bluff, VA

Latitude: 37.708
Flood Stage: 19

Period of Record: 1939-Present
Last Flood: 10/12/2018

Longitude: -78.289
Number of Floods: 123

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/1/1940	22	50,600	Minor	G2	3/13/1952	22.2	52,400	Minor	G2
8/17/1940	33.5	124,900	Moderate	G2	2/23/1953	23.4	56,900	Moderate	G2
5/18/1941	23.7	60,400	Moderate	G2	3/26/1953	24.8	66,200	Moderate	G2
5/23/1941	26.3	75,800	Moderate	G2	3/3/1954	23.6	59,700	Moderate	G2
8/15/1942	20.1	42,500	Minor	G2	10/16/1954	20.3	43,000	Minor	G2
10/16/1942	29.2	95,000	Moderate	G2	3/7/1955	25.2	68,500	Moderate	G2
12/30/1942	21.9	50,600	Minor	G2	8/19/1955	26.7	78,500	Moderate	G2
9/19/1944	34.5	134,700	Major	G2	4/7/1957	24.2	63,300	Moderate	G2
9/19/1945	23.1	56,200	Moderate	G2	4/1/1960	23.9	61,100	Moderate	G2
2/15/1948	23.5	59,000	Moderate	G2	10/22/1961	25.7	71,500	Moderate	G2
5/31/1948	25	67,700	Moderate	G2	3/23/1962	21.9	50,600	Minor	G2
8/5/1948	22.9	55,500	Minor	G2	3/14/1963	26.3	74,900	Moderate	G2
3/23/1949	26.1	74,000	Moderate	G2	2/8/1965	22.8	54,800	Minor	G2
4/15/1949	22.4	53,000	Minor	G2	3/9/1967	23.8	60,400	Moderate	G2
8/15/1949	21.7	49,400	Minor	G2	3/17/1967	21	45,900	Minor	G2
12/4/1949	30.7	106,700	Moderate	G2	8/20/1969	39.1	188,100	Major	G2
9/11/1950	25.3	69,200	Moderate	G2	1/1/1970	23.6	59,700	Moderate	G2
12/9/1950	24.2	63,300	Moderate	G2	2/15/1971	21.8	50,000	Minor	G2
6/15/1951	20.8	45,300	Minor	G2	6/1/1971	24.3	63,300	Moderate	G2
1/29/1952	20	41,400	Minor	G2	2/28/1972	21.4	48,200	Minor	G2

Drainage Area: 5040 square miles
Gage Datum: 101.44 ft MSL

Data represent all historical events.
James Basin

County of Gage: Fluvanna
County of Forecast Point: Fluvanna

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/22/1972	44.8	-9,999	Major	G2	4/17/1987	33.3	124,900	Moderate	G2
10/6/1972	29.8	99,200	Moderate	G2	9/9/1987	32.7	120,200	Moderate	G2
2/3/1973	23.2	56,500	Moderate	G2	10/23/1990	24.9	67,000	Moderate	G2
3/19/1973	22.1	51,200	Minor	G2	1/13/1991	22	51,200	Minor	G2
5/30/1973	23.3	57,600	Moderate	G2	3/5/1991	20.7	44,700	Minor	G2
12/22/1973	21.7	49,400	Minor	G2	2/27/1992	21	45,900	Minor	G2
12/28/1973	26	73,100	Moderate	G2	4/23/1992	31.6	111,100	Moderate	G2
3/20/1975	31.4	110,000	Moderate	G2	6/6/1992	19.5	39,300	Minor	G2
9/25/1975	22.7	54,200	Minor	G2	3/5/1993	27.5	84,200	Moderate	G2
10/10/1976	23.5	58,300	Moderate	G2	3/25/1993	23	56,200	Moderate	G2
4/7/1977	24.5	63,300	Moderate	G2	2/25/1994	19.5	39,300	Minor	G2
1/28/1978	29.3	96,100	Moderate	G2	3/29/1994	25.7	71,100	Moderate	G2
3/16/1978	22.4	52,400	Minor	G2	1/17/1995	27.5	84,200	Moderate	G2
3/28/1978	23.1	56,200	Moderate	G2	6/24/1995	22.5	53,300	Minor	G2
4/27/1978	22.7	54,200	Minor	G2	6/29/1995	27.5	84,600	Moderate	G2
2/26/1979	30	100,700	Moderate	G2	1/20/1996	33.5	127,400	Moderate	G2
3/6/1979	23.3	57,600	Moderate	G2	1/28/1996	20.4	43,000	Minor	G2
6/4/1979	28.5	92,000	Moderate	G2	9/7/1996	36.6	-9,999	Major	G2
4/16/1980	23.6	59,000	Moderate	G2	12/3/1996	25.2	-9,999	Moderate	G2
6/14/1982	25.5	70,800	Moderate	G2	3/5/1997	19.3	-9,999	Minor	G2
3/15/1984	24.9	67,000	Moderate	G2	1/9/1998	26.5	-9,999	Moderate	G2
3/29/1984	24	61,900	Moderate	G2	1/28/1998	24.5	-9,999	Moderate	G2
11/6/1985	40.7	207,600	Major	G2	2/5/1998	24.5	-9,999	Moderate	G2

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James Basin

County of Gage: Fluvanna
County of Forecast Point: Fluvanna

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2/18/1998	24.1	-9,999	Moderate	G2	12/9/2011	22.5	-9,999	Minor	G2
3/10/1998	22.3	-9,999	Minor	G2	2/1/2013	22.9	-9,999	Minor	G2
3/22/1998	24.9	-9,999	Moderate	G2	5/9/2013	24.6	-9,999	Moderate	G2
4/21/1998	19.6	-9,999	Minor	G2	5/1/2014	19	-9,999	Minor	G2
9/30/1999	26.3	-9,999	Moderate	G2	5/17/2014	23.6	-9,999	Moderate	G2
2/24/2003	29.2	-9,999	Moderate	G2	3/7/2015	19.7	-9,999	Minor	G2
4/12/2003	19	-9,999	Minor	G2	6/25/2016	19.9	-9,999	Minor	G2
4/15/2004	20.1	-9,999	Minor	G2	5/6/2017	21.3	-9,999	Minor	none
9/10/2004	19.2	-9,999	Minor	G2	5/26/2017	23	-9,999	Moderate	none
9/30/2004	26	-9,999	Moderate	G2	2/12/2018	23.5	-9,999	Moderate	none
11/30/2005	21.51	-9,999	Minor	G2	4/17/2018	-9999	9,999	Minor	none
6/28/2006	26	-9,999	Moderate	G2	5/20/2018	-9999	-9,999	Minor	none
10/8/2006	21.9	-9,999	Minor	G2	9/29/2018	-9999	-9,999	Minor	none
11/18/2006	21	-9,999	Minor	G2	10/12/2018	20.5	-9,999	Minor	none
3/18/2007	19	-9,999	Minor	G2					
4/17/2007	20.6	-9,999	Minor	G2					
11/13/2009	20.1	-9,999	Minor	G2					
12/10/2009	20	-9,999	Minor	G2					
1/26/2010	29	-9,999	Moderate	G2					
3/15/2010	19.4	-9,999	Minor	G2					
3/8/2011	19	-9,999	Minor	G2					
3/11/2011	21.5	-9,999	Minor	G2					
4/18/2011	23.5	-9,999	Moderate	G2					

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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								