Historical Floods: James River at Cartersville, VA

Latitude: 37.671 | Period of Record: 1869-Present | Longitude: -78.086

Flood Stage: 20 | Last Flood: 2/25/2019 | Number of Floods: 88

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
11/1/1869	32	-9,999	Major	C1 C9	12/2/1934	24.95	104,000	Moderate	none
10/3/1877	-9999	-9,999	Missing	C1	1/24/1935	24.03	96,000	Moderate	none
11/24/1877	30.4	-9,999	Major	C1 C8	9/6/1935	27.8	134,000	Major	none
3/6/1899	25.2	111,000	Moderate	C1	1/4/1936	21.45	77,900	Minor	none
5/23/1901	27	134,000	Major	C1	1/20/1936	21.8	80,300	Minor	none
12/30/1901	26.7	130,000	Major	C1	3/19/1936	28.77	166,000	Major	none
6/7/1903	22	82,800	Minor	C1	1/22/1937	20.25	71,100	Minor	none
10/21/1906	23.8	97,200	Moderate	C1	4/26/1937	27.73	133,000	Major	none
6/17/1910	20.3	72,000	Minor	C1	10/21/1937	24.34	98,400	Moderate	none
5/13/1912	22.5	86,400	Minor	C1	8/17/1940	28.34	145,000	Major	none
3/29/1913	23.4	93,600	Moderate	C1	5/24/1942	20.8	75,000	Minor	none
2/4/1915	20.6	69,300	Minor	C1	10/16/1942	27.14	135,000	Major	none
1/4/1919	23	82,900	Moderate	C1	9/20/1944	29.6	180,000	Major	none
2/4/1920	20.2	67,300	Minor	C1	4/2/1948	22.14	83,500	Minor	none
5/13/1924	24.7	106,000	Moderate	C1	8/5/1948	20.35	72,600	Minor	none
10/1/1924	24.38	103,000	Moderate	C1	12/5/1948	27	134,000	Major	none
8/12/1928	22.06	78,600	Minor	none	3/24/1949	21.98	82,800	Minor	none
8/18/1928	23.8	97,200	Moderate	none	3/26/1953	20.9	75,600	Minor	none
10/18/1932	21.54	75,400	Minor	none	3/8/1955	20.83	75,200	Minor	none
4/18/1933	20.48	70,600	Minor	none	8/19/1955	24.48	104,000	Moderate	none

Drainage Area: 6252 square miles

Gage Datum: 163.9 ft MSL

Data represent all historical events.
James Basin

County of Gage: Goochland

County of Forecast Point: Cumberland

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Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
4/6/1960	20.13	70,800	Minor	none
10/22/1961	23.13	91,200	Moderate	none
3/14/1963	21.33	78,000	Minor	none
8/21/1969	33.75	250,000	Major	none
6/1/1971	21.51	79,400	Minor	none
6/22/1972	37.87	362,000	Major	none
10/6/1972	27.12	131,000	Major	none
2/3/1973	20.67	74,200	Minor	none
12/29/1973	20.89	75,500	Minor	none
3/20/1975	26.04	120,000	Moderate	none
10/10/1976	20.6	73,900	Minor	none
1/27/1978	25.08	109,000	Moderate	none
2/26/1979	26.33	123,000	Moderate	none
6/4/1979	24.19	100,000	Moderate	none
9/23/1979	21.86	82,700	Minor	none
6/15/1982	20.91	76,000	Minor	none
4/11/1983	20.26	71,900	Minor	none
2/16/1984	22.42	86,800	Minor	none
3/30/1984	21.62	81,000	Minor	none
11/6/1985	32.6	225,000	Major	none
4/18/1987	27.96	142,000	Major	none
4/26/1987	21.25	78,100	Minor	none
9/9/1987	25.44	114,000	Moderate	none
5/7/1989	23.38	93,800	Moderate	none
10/24/1990	20.36	72,700	Minor	none
4/23/1992	25.39	113,000	Moderate	none
3/5/1993	24.18	101,000	Moderate	none
3/30/1994	22.29	85,100	Minor	none
1/17/1995	21.96	82,500	Minor	none
6/29/1995	21.68	80,800	Minor	none
1/21/1996	26.45	124,000	Major	none
9/7/1996	28.96	158,000	Major	none
12/3/1996	20.73	74,900	Minor	none
1/10/1998	21.05	76,900	Minor	none
1/29/1998	21.87	82,000	Minor	none
2/5/1998	21.69	80,800	Minor	none
2/18/1998	21.91	82,200	Minor	none
3/22/1998	21.71	81,000	Minor	none
9/30/1999	21.73	81,100	Minor	none
2/24/2003	24.47	104,000	Moderate	none
9/20/2003	22.89	89,825	Minor	none
9/30/2004	20.49	73,500	Minor	none
6/28/2006	21.15	77,500	Minor	none
1/26/2010	23.94	98,500	Moderate	none
5/16/2014	20.5	73,500	Minor	none
2/12/2018	20.58	74,000	Minor	none

Drainage Area: 6252 square miles
Gage Datum: 163.9 ft MSL

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James Basin

County of Gage: Goochland
County of Forecast Point: Cumberland

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Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
9/18/2018	20.02	70,600	Minor	none					
2/25/2019	21.27	78,200	Minor	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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