

Historical Floods: James River at Scottsville, VA

Latitude: 37.797
Flood Stage: 20

Period of Record: 1870-Present
Last Flood: 1/25/2010

Longitude: -78.492
Number of Floods: 44

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
9/30/1870	30.7	215,000	Major	C1 C8	10/6/1972	23.24	97,600	Moderate	none
11/24/1877	27.9	160,000	Major	C1 C8	12/28/1973	21.12	78,500	Minor	none
3/28/1913	25.16	121,000	Major	C1 C8	3/19/1975	24.63	114,000	Major	none
10/1/1924	-9999	80,000	Missing	C1	1/27/1978	22.23	88,400	Moderate	none
8/17/1928	20.92	75,600	Minor	C1	2/26/1979	22.63	92,300	Moderate	none
12/2/1934	22.63	86,800	Moderate	none	6/4/1979	21.28	79,800	Minor	none
1/24/1935	22.3	84,800	Moderate	none	6/14/1982	20.08	69,800	Minor	F2
9/6/1935	23.06	93,400	Moderate	none	11/6/1985	31.77	243,000	Major	F2
3/19/1936	25.46	126,000	Major	none	4/17/1987	26.17	133,000	Major	F2
10/20/1937	22.33	87,400	Moderate	none	4/26/1987	20.73	75,200	Minor	F2
8/16/1940	25.84	130,000	Major	none	9/8/1987	24.56	114,000	Major	F2
5/23/1942	21.44	80,600	Minor	none	5/6/1989	20.35	71,900	Minor	F2
10/16/1942	23	95,200	Moderate	none	4/23/1992	25.31	123,000	Major	F2
9/19/1944	26	133,000	Major	none	3/5/1993	20.73	75,200	Minor	F2
12/4/1948	22.9	94,200	Moderate	none	1/16/1995	21.71	84,300	Minor	F2
3/23/1949	20.22	71,900	Minor	none	6/29/1995	21.7	84,200	Minor	F2
9/11/1950	20.43	73,300	Minor	none	1/20/1996	26.02	131,000	Major	F2
3/14/1963	20.82	76,200	Minor	none	9/7/1996	28.25	167,000	Major	F2
8/20/1969	30	188,000	Major	none	1/9/1998	21.13	78,800	Minor	F2
6/22/1972	34.02	301,000	Major	none	9/30/1999	20.38	72,200	Minor	F2

Drainage Area: 4581 square miles
Gage Datum: 252.47 ft MSL

Data represent all historical events.
James Basin

County of Gage: Albemarle
County of Forecast Point: Albermarle

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
2/24/2003	22.58	92,800	Moderate	F2					
9/30/2004	20.68	74,700	Minor	F2					
6/27/2006	20.26	71,200	Minor	F2					
1/25/2010	22.1	88,500	Moderate	F2					

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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