

Historical Floods: James River at Scottsville, Virginia

Latitude: 37.797

Period of Record: 1870-Present

Longitude: -78.492

Flood Stage: 20 ft

Last Flood: 1/25/2010

Number of Floods: 44

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code					
9/30/1870	30.70	215,000	Major	C1 C8	12/28/1973	21.12	78,500	Minor	none
11/24/1877	27.90	160,000	Major	C1 C8	3/19/1975	24.63	114,000	Major	none
3/28/1913	25.16	121,000	Major	C1 C8	1/27/1978	22.23	88,400	Moderate	none
10/1/1924	-9999.00	80,000	Missing	C1	2/26/1979	22.63	92,300	Moderate	none
8/17/1928	20.92	75,600	Minor	C1	6/4/1979	21.28	79,800	Minor	none
12/2/1934	22.63	86,800	Moderate	none	6/14/1982	20.08	69,800	Minor	F2
1/24/1935	22.30	84,800	Moderate	none	11/6/1985	31.77	243,000	Major	F2
9/6/1935	23.06	93,400	Moderate	none	4/17/1987	26.17	133,000	Major	F2
3/19/1936	25.46	126,000	Major	none	4/26/1987	20.73	75,200	Minor	F2
10/20/1937	22.33	87,400	Moderate	none	9/8/1987	24.56	114,000	Major	F2
8/16/1940	25.84	130,000	Major	none	5/6/1989	20.35	71,900	Minor	F2
5/23/1942	21.44	80,600	Minor	none	4/23/1992	25.31	123,000	Major	F2
10/16/1942	23.00	95,200	Moderate	none	3/5/1993	20.73	75,200	Minor	F2
9/19/1944	26.00	133,000	Major	none	1/16/1995	21.71	84,300	Minor	F2
12/4/1948	22.90	94,200	Moderate	none	6/29/1995	21.70	84,200	Minor	F2
3/23/1949	20.22	71,900	Minor	none	1/20/1996	26.02	131,000	Major	F2
9/11/1950	20.43	73,300	Minor	none	9/7/1996	28.25	167,000	Major	F2
3/14/1963	20.82	76,200	Minor	none	1/9/1998	21.13	78,800	Minor	F2
8/20/1969	30.00	188,000	Major	none	9/30/1999	20.38	72,200	Minor	F2
6/22/1972	34.02	301,000	Major	none	2/24/2003	22.58	92,800	Moderate	F2
10/6/1972	23.24	97,600	Moderate	none	9/30/2004	20.68	74,700	Minor	F2

Drainage Area: 4581 sq mi

Gage Datum: 252.47 ft MSL

James Basin

County of Gage: Albemarle

County of Forecast Point: Albermarle

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6/27/2006	20.26	71,200	Minor	F2
1/25/2010	22.10	88,500	Moderate	F2

-9999 signifies missing data

MARFC Codes

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. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
C8	Crest date (day) in the month is unknown.
C9	Flow is an estimate.
F1	Flow affected by regulation or diversion and in some cases to an unknown degree.
F2	Flow effected by snow-melt, ice jam or debris jam break up.
F3	Flow affected by dam failure.
F4	Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
F5	Gage height at a different site and/or datum.
G1	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.
G2	Gage datum changed during this year.

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