

Historical Floods: Shenandoah River at Cootes Store, VA

Latitude: 38.637
Flood Stage: 15

Period of Record: 1877-Present
Last Flood: 6/22/2018

Longitude: -78.853
Number of Floods: 25

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|----------|---------------|------------|------------------|----------|------|
| 11/25/1877 | 20.9 | -9,999 | Moderate | C1 C8 | 9/6/1996 | 27.86 | 63,400 | Major | none |
| 6/1/1889 | 18.8 | -9,999 | Moderate | C1 C8 | 9/19/2003 | 15.22 | 20,400 | Minor | none |
| 5/12/1924 | 16.7 | 17,800 | Minor | C1 C4 C8 | 4/16/2011 | 16.33 | 22,200 | Minor | none |
| 4/16/1929 | 15.4 | 14,600 | Minor | C1 | 5/22/2018 | 17 | 21,900 | Minor | none |
| 12/1/1934 | 19 | 24,600 | Moderate | C1 | 6/22/2018 | 15.42 | 17,700 | Minor | none |
| 3/17/1936 | 23.25 | 40,500 | Major | C1 | | | | | |
| 4/25/1937 | 17 | 186,000 | Minor | C1 | | | | | |
| 5/22/1942 | 16.93 | 18,300 | Minor | none | | | | | |
| 10/15/1942 | 25.3 | 50,000 | Major | none | | | | | |
| 9/18/1945 | 15.9 | 15,800 | Minor | none | | | | | |
| 8/18/1955 | 16.6 | 17,500 | Minor | none | | | | | |
| 7/9/1970 | 16.55 | 17,400 | Minor | none | | | | | |
| 10/5/1972 | 19.5 | 26,400 | Moderate | none | | | | | |
| 3/19/1975 | 17.29 | 19,500 | Minor | none | | | | | |
| 10/9/1976 | 16.98 | 18,500 | Minor | none | | | | | |
| 9/5/1979 | 15.69 | 15,500 | Minor | none | | | | | |
| 10/2/1979 | 15.25 | 14,600 | Minor | none | | | | | |
| 11/4/1985 | 25.13 | 49,200 | Major | none | | | | | |
| 8/17/1994 | 15.26 | 14,800 | Minor | none | | | | | |
| 1/19/1996 | 19.71 | 27,000 | Moderate | none | | | | | |

Drainage Area: 210 square miles
Gage Datum: 1051.8 ft MSL

Data represent all historical events.
Shenandoah Basin

County of Gage: Rockingham
County of Forecast Point: Rockingham

| 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 | | | | | | | | |