

# Historical Floods: Goose Creek near Leesburg, VA

Latitude: 39.019  
Flood Stage: 12

Period of Record: 1909-Present  
Last Flood: 3/22/2019

Longitude: -77.578  
Number of Floods: 45

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/1/1889	29	45,000	Major	C1 C8	12/2/1974	18.84	20,300	Major	C1
9/24/1912	20	13,000	Major	C1 G1	1/1/1976	13.32	9,490	Minor	C1
5/13/1932	18.45	9,650	Major	C1 G1	10/9/1976	25.74	48,700	Major	C1
8/23/1933	21.6	17,000	Major	C1 G1	1/26/1978	14.94	11,700	Minor	C1
12/1/1934	15	7,010	Moderate	C1 G1	2/26/1979	16.36	14,300	Moderate	C1
3/17/1936	13.61	6,010	Minor	C1 G1	4/10/1983	14.86	11,500	Minor	C1
8/26/1937	26.86	35,600	Major	C1 G1	2/15/1984	16.36	14,000	Moderate	C1
10/28/1937	17	8,530	Moderate	C1 G1	2/12/1985	15.88	13,100	Moderate	C1
10/16/1942	22.9	35,600	Major	C1	12/11/1992	19.04	21,000	Major	C1
9/18/1945	18	18,500	Major	C1	1/20/1996	20.11	24,400	Major	C1
12/4/1950	18.25	18,600	Major	C1	3/21/1998	17.43	16,500	Moderate	C1
4/28/1952	14.3	11,700	Minor	C1	9/23/2003	23.32	36,900	Major	C1
11/22/1952	12.13	8,840	Minor	C1	12/11/2003	17.31	16,200	Moderate	C1
7/21/1956	20.9	27,600	Major	C1	7/8/2005	14.34	10,800	Minor	C1
1/14/1958	12.5	9,280	Minor	C1	5/12/2008	18.9	20,500	Major	C1
3/5/1965	12.48	8,600	Minor	C1	3/13/2010	13.08	9,280	Minor	C1
8/25/1967	14	10,300	Minor	C1	4/17/2011	14.48	11,000	Minor	C1
1/14/1968	12.35	8,470	Minor	C1	10/31/2012	19.6	22,700	Major	none
11/13/1970	12.26	8,380	Minor	C1	1/31/2013	18.47	15,800	Major	none
6/22/1972	30.59	78,100	Major	C1	4/30/2014	14.07	9,320	Minor	none

Drainage Area: 332 square miles  
Gage Datum: 248.93 ft MSL

Data represent all historical events.  
Potomac Basin

County of Gage: Loudoun  
County of Forecast Point: Loudoun

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
5/16/2014	15.58	11,000	Moderate	none					
9/30/2015	12.15	7,600	Minor	none					
9/28/2018	12.6	7,930	Minor	none					
12/16/2018	14.75	9,990	Minor	none					
3/22/2019	14.17	9,460	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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