

Historical Floods: Brandywine Creek at Chadds Ford, PA

Latitude: 39.87
Flood Stage: 9

Period of Record: 1912-Present
Last Flood: 6/20/2019

Longitude: -75.594
Number of Floods: 140

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
2/21/1912	12	10,600	Moderate	C1	11/18/1927	9.5	6,050	Minor	C1
3/13/1912	11.6	9,800	Moderate	C1	6/6/1928	9.4	5,900	Minor	C1
3/15/1912	10	6,840	Minor	C1	8/18/1928	11	8,620	Moderate	C1
1/7/1915	10.4	7,520	Minor	C1	2/27/1929	9.77	6,520	Minor	C1
1/12/1915	11	8,620	Moderate	C1	7/10/1931	10.8	8,240	Minor	C1
2/2/1915	11.3	9,200	Moderate	C1	3/28/1932	9.06	5,460	Minor	C1
8/4/1915	14.7	16,500	Major	C1	8/4/1933	9.69	6,360	Minor	C1
1/12/1918	11.8	10,200	Moderate	C1	8/24/1933	14.01	14,800	Major	C1
2/13/1918	10	6,840	Minor	C1	7/9/1935	10	7,000	Minor	C1
2/16/1918	9.3	5,750	Minor	C1	11/18/1935	9.51	6,050	Minor	C1
3/26/1918	9	5,320	Minor	C1	1/3/1936	11.21	9,000	Moderate	C1
7/22/1919	10.25	7,180	Minor	C1	1/9/1936	10.08	7,010	Minor	C1
3/5/1920	15	17,200	Major	C1	3/12/1936	9.46	6,050	Minor	C1
1/17/1924	10	6,840	Minor	C1	6/27/1938	11.37	9,400	Moderate	C1
2/20/1924	9	5,320	Minor	C1	7/23/1938	10.45	7,520	Minor	C1
4/6/1924	9.2	5,600	Minor	C1	2/4/1939	9.08	5,460	Minor	C1
9/30/1924	9.6	6,200	Minor	C1	8/20/1939	10.72	8,060	Minor	C1
2/11/1925	10.5	7,700	Minor	C1	3/4/1940	9.13	5,460	Minor	C1
2/25/1926	9.4	5,900	Minor	C1	3/15/1940	9.65	6,190	Minor	C1
9/19/1927	10.1	7,010	Minor	C1	8/9/1942	14.8	16,800	Major	C1

Drainage Area: 287 square miles
Gage Datum: 150.45 ft MSL

Data represent all historical events.
Brandywine Basin

County of Gage: Delaware
County of Forecast Point: Delaware

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
12/30/1942	9.08	5,360	Minor	C1	6/13/1968	10	6,840	Minor	none
1/4/1944	10.6	7,880	Minor	C1	7/28/1969	10.81	7,270	Minor	none
1/2/1945	9.1	4,360	Minor	C1	4/3/1970	9.19	5,310	Minor	none
9/19/1945	10.87	8,240	Minor	C1	2/8/1971	10.61	7,360	Minor	none
6/2/1946	10.02	7,110	Minor	C1	2/13/1971	12.84	11,200	Moderate	none
7/23/1946	11.14	8,810	Moderate	C1	8/28/1971	11.47	8,700	Moderate	none
9/10/1948	9.64	6,190	Minor	C1	9/13/1971	14.39	14,300	Major	none
12/30/1948	9.1	5,360	Minor	C1	10/10/1971	9.39	5,710	Minor	none
11/25/1950	12.54	11,600	Moderate	C1	6/22/1972	16.56	23,800	Major	none
2/8/1951	9.67	6,360	Minor	C1	11/14/1972	9.64	6,300	Minor	none
11/7/1951	9.45	5,900	Minor	C1	6/30/1973	12.46	11,400	Moderate	none
12/21/1951	9.49	6,050	Minor	C1	12/21/1973	9.99	6,790	Minor	none
3/11/1952	9.09	5,460	Minor	C1	7/14/1975	11.6	9,600	Moderate	none
4/28/1952	9.04	5,320	Minor	C1	1/26/1978	14.11	15,700	Major	F2
11/22/1952	9.55	6,200	Minor	C1	1/25/1979	14.35	16,400	Major	F2
12/11/1952	9.51	6,050	Minor	C1	1/4/1982	9.03	5,310	Minor	F2
1/24/1953	9.63	6,200	Minor	C1	4/10/1983	9.59	6,200	Minor	F2
8/19/1955	14.64	16,400	Major	C1	12/13/1983	11.24	8,450	Moderate	F2
3/6/1963	9.44	5,900	Minor	none	2/13/1985	11.46	8,700	Moderate	F2
1/10/1964	10.16	7,110	Minor	none	5/19/1988	9.29	5,640	Minor	F2
2/8/1965	9.77	6,470	Minor	none	5/30/1990	9.18	5,600	Minor	F2
2/14/1966	10.99	8,600	Minor	none	3/5/1993	10.91	8,110	Minor	F2
3/7/1967	10.5	7,700	Minor	none	1/28/1994	12	10,100	Moderate	F2

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3/9/1995	10.32	7,430	Minor	F2	3/2/2007	10.89	9,050	Minor	F2
1/20/1996	14.23	15,100	Major	F2	4/15/2007	10.46	8,340	Minor	F2
10/19/1996	13.31	12,500	Major	F2	4/27/2007	9.66	7,040	Minor	F2
4/2/1998	9.24	5,150	Minor	F2	2/13/2008	9.02	6,030	Minor	F2
9/17/1999	17.15	26,900	Major	F2	12/12/2008	9.67	7,060	Minor	F2
3/22/2000	12.71	13,700	Moderate	F2	12/9/2009	9.76	7,200	Minor	F2
12/17/2000	10.65	8,400	Minor	F2	12/27/2009	9.72	7,140	Minor	F2
2/22/2003	10.01	7,050	Minor	F2	3/14/2010	10	7,600	Minor	F2
6/21/2003	12.82	14,022	Moderate	F2	10/1/2010	12.94	14,300	Moderate	F2
9/15/2003	13.74	16,700	Major	F2	3/11/2011	11.88	11,600	Moderate	F2
9/23/2003	9.15	5,529	Minor	F2	4/17/2011	9.58	6,910	Minor	F2
10/28/2003	10.13	7,290	Minor	F2	8/28/2011	15.23	18,300	Major	F2
12/11/2003	10.42	7,895	Minor	F2	9/7/2011	10.14	7,820	Minor	F2
2/7/2004	11.08	9,432	Moderate	F2	9/8/2011	11.7	11,100	Moderate	F2
9/19/2004	9.86	7,370	Minor	F2	9/24/2011	10.91	9,080	Minor	F2
9/29/2004	13.62	16,300	Major	F2	11/23/2011	10.13	6,760	Minor	F2
11/28/2004	10.36	8,180	Minor	F2	12/8/2011	9.95	7,520	Minor	F2
1/14/2005	9.41	6,640	Minor	F2	10/30/2012	12.19	9,400	Moderate	F2
3/29/2005	9.51	6,800	Minor	F2	12/21/2012	9.11	5,570	Minor	F2
4/3/2005	9.8	7,270	Minor	F2	1/31/2013	9.2	5,670	Minor	F2
10/9/2005	12.3	12,700	Moderate	F2	8/13/2013	11.72	8,780	Moderate	F2
6/27/2006	10.09	7,740	Minor	F2	10/11/2013	9.47	5,880	Minor	F2
6/28/2006	13.65	16,400	Major	F2	5/1/2014	16.06	22,200	Major	F2

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2/25/2016	11.54	8,540	Moderate	F2					
5/17/2018	9	5,330	Minor	none					
7/23/2018	10.02	6,610	Minor	none					
8/13/2018	11.41	8,380	Moderate	none					
9/28/2018	9.21	5,580	Minor	none					
11/25/2018	9.93	6,490	Minor	none					
12/21/2018	9.86	6,400	Minor	none					
6/20/2019	9.27	5,660	Minor	none					

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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								