

# Historical Floods: Delaware River at Riegelsville, PA

Latitude: 40.595  
Flood Stage: 22

Period of Record: 1841-Present  
Last Flood: 9/9/2011

Longitude: -75.19  
Number of Floods: 40

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
1/8/1841	-9999	250,000	Missing	C1 F1	11/27/1950	22.5	114,700	Minor	none
10/10/1903	35.9	275,000	Major	C1	4/1/1951	24.03	127,800	Minor	none
12/11/1907	22.5	120,000	Minor	C1	12/12/1952	25.4	140,000	Minor	none
3/28/1913	25	144,000	Minor	C1	8/19/1955	38.85	340,000	Major	F2
3/29/1914	23.4	130,000	Minor	C1	10/16/1955	23.8	133,000	Minor	F2
3/14/1920	22.1	120,000	Minor	C1	4/5/1960	22.6	121,000	Minor	F2
4/8/1924	23.1	122,000	Minor	none	6/30/1973	24.36	139,000	Minor	C2 F2
10/1/1924	24.2	132,000	Minor	none	12/22/1973	22.55	118,000	Minor	C2 F2
2/12/1925	23.82	128,000	Minor	none	3/14/1977	22.16	117,000	Minor	C2 F2
11/17/1926	22.6	118,000	Minor	none	4/17/1983	24.17	137,000	Minor	C2 F2
8/25/1933	25	141,000	Minor	none	5/30/1984	24.46	140,000	Minor	C2 F2
7/10/1935	23.2	125,000	Minor	none	3/16/1986	25.16	147,000	Minor	C2 F2
3/12/1936	29.8	185,000	Moderate	none	1/20/1996	28.72	187,000	Moderate	C2 F2
3/19/1936	32.45	237,000	Major	none	9/19/2004	30.95	216,000	Major	C2 F2
9/23/1938	23	123,000	Minor	none	4/4/2005	34.07	262,000	Major	C2 F2
4/1/1940	26.47	154,000	Moderate	none	6/29/2006	33.62	254,000	Major	C2 F2
5/24/1942	27.5	164,000	Moderate	none	3/7/2011	22.35	-9,999	Minor	none
12/31/1942	22.88	122,800	Minor	none	3/12/2011	25.2	-9,999	Minor	none
3/23/1948	23.28	121,300	Minor	none	8/29/2011	24.56	-9,999	Minor	none
12/31/1948	24.5	131,900	Minor	none	9/9/2011	28.06	175,000	Moderate	none

Drainage Area: 6328 square miles  
Gage Datum: 125.12 ft MSL

Data represent all historical events.  
Main Stem Delaware Basin

County of Gage: Warren  
County of Forecast Point: Bucks

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								