

MARFC Historic Floods

Site	Stream	Date of Flood	Crest	Flow	Category	Code	Tropical Name	Minor FS	Moderate FS	Major FS
Bethlehem	Lehigh River	2/28/1902	24.90	88,000	Major	C1	none	16.00	20.00	22.00
Lehighton	Lehigh River	2/28/1902	20.80	-9,999	Major	C1 C4	none	10.00	12.00	14.00
Bethlehem	Lehigh River	10/1/1924	16.20	43,500	Minor	C1	Tropical Storm Eight (1924)	16.00	20.00	22.00
Bethlehem	Lehigh River	11/17/1926	16.70	44,000	Minor	C1	none	16.00	20.00	22.00
Bethlehem	Lehigh River	8/24/1933	18.70	64,800	Minor	C1	Chesapeake - Potomac	16.00	20.00	22.00
Bethlehem	Lehigh River	7/10/1935	18.53	63,700	Minor	C1	none	16.00	20.00	22.00
Lehighton	Lehigh River	7/10/1935	15.90	-9,999	Major	C1 C4	none	10.00	12.00	14.00
Bethlehem	Lehigh River	3/12/1936	17.04	55,700	Minor	C1	none	16.00	20.00	22.00
Bethlehem	Lehigh River	5/23/1942	25.90	92,000	Major	C1	none	16.00	20.00	22.00
Lehighton	Lehigh River	5/23/1942	12.07	-9,999	Moderate	C1 C4	none	10.00	12.00	14.00
Walnutport	Lehigh River	5/23/1942	20.60	-9,999	Major	C1	none	8.00	12.00	16.00
Walnutport	Lehigh River	7/8/1947	8.35	23,000	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	12/30/1948	8.19	21,900	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	11/25/1950	11.26	38,200	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	12/4/1950	12.66	46,000	Moderate	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	3/11/1952	9.42	27,300	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	7/10/1952	9.15	26,200	Minor	none	none	8.00	12.00	16.00

Site	Stream	Date of Flood	Crest	Flow	Category	Code	Tropical Name	Minor FS	Moderate FS	Major FS
Walnutport	Lehigh River	11/22/1952	10.97	36,100	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	12/11/1952	10.20	31,700	Minor	none	none	8.00	12.00	16.00
Allentown	Jordan Creek	8/19/1955	8.00	9,520	Minor	none	Diane (1955)	8.00	10.00	12.00
Bethlehem	Lehigh River	8/19/1955	23.38	91,300	Major	C1	Diane (1955)	16.00	20.00	22.00
Lehighton	Lehigh River	8/19/1955	20.30	-9,999	Major	C1 C4	Diane (1955)	10.00	12.00	14.00
Walnutport	Lehigh River	8/19/1955	17.68	77,800	Major	none	Diane (1955)	8.00	12.00	16.00
Walnutport	Lehigh River	10/16/1955	9.21	25,600	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	12/21/1957	11.35	37,600	Minor	none	none	8.00	12.00	16.00
Walnutport	Lehigh River	2/8/1965	8.08	11,800	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	8/2/1969	9.53	-9,999	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	2/3/1970	9.36	-9,999	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	4/2/1970	8.89	23,800	Minor	F2	none	8.00	12.00	16.00
Allentown	Jordan Creek	6/23/1972	11.61	16,200	Moderate	none	Agnes (1972)	8.00	10.00	12.00
Bethlehem	Lehigh River	6/23/1972	20.02	57,900	Moderate	F2	Agnes (1972)	16.00	20.00	22.00
Walnutport	Lehigh River	6/23/1972	11.65	39,000	Minor	F2	Agnes (1972)	8.00	12.00	16.00
Walnutport	Lehigh River	6/29/1973	9.24	25,700	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	12/21/1973	8.40	21,100	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	1/27/1976	8.70	22,800	Minor	F2	none	8.00	12.00	16.00

Site	Stream	Date of Flood	Crest	Flow	Category	Code	Tropical Name	Minor FS	Moderate FS	Major FS
Walnutport	Lehigh River	1/9/1978	8.77	23,100	Minor	F2	none	8.00	12.00	16.00
Bethlehem	Lehigh River	1/25/1979	17.12	51,700	Minor	F2	none	16.00	20.00	22.00
Walnutport	Lehigh River	1/25/1979	9.74	28,500	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	2/24/1979	10.88	34,700	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	2/11/1981	8.23	20,200	Minor	F2	none	8.00	12.00	16.00
Lehighton	Lehigh River	4/16/1983	11.82	21,200	Minor	F2	none	10.00	12.00	14.00
Walnutport	Lehigh River	4/16/1983	11.28	37,400	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	12/14/1983	9.16	25,400	Minor	F2	none	8.00	12.00	16.00
Lehighton	Lehigh River	1/28/1985	10.30	17,000	Minor	F2	none	10.00	12.00	14.00
Lehighton	Lehigh River	9/27/1985	18.22	25,500	Major	C7 F2	Gloria (1985)	10.00	12.00	14.00
Walnutport	Lehigh River	9/27/1985	9.59	26,100	Minor	F2	Gloria (1985)	8.00	12.00	16.00
Walnutport	Lehigh River	3/15/1986	8.69	21,800	Minor	F2	none	8.00	12.00	16.00
Allentown	Jordan Creek	9/9/1987	10.91	14,300	Moderate	none	Tropical Depression	8.00	10.00	12.00
Lehighton	Lehigh River	9/13/1987	12.16	22,100	Moderate	F2	none	10.00	12.00	14.00
Walnutport	Lehigh River	9/13/1987	10.56	31,200	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	5/6/1989	9.84	29,000	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	5/17/1990	8.39	21,500	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	4/2/1993	8.03	18,100	Minor	F2	none	8.00	12.00	16.00

Site	Stream	Date of Flood	Crest	Flow	Category	Code	Tropical Name	Minor FS	Moderate FS	Major FS
Lehighton	Lehigh River	4/4/1993	10.13	-9,999	Minor	F2	none	10.00	12.00	14.00
Lehighton	Lehigh River	4/11/1993	10.48	17,300	Minor	F2	none	10.00	12.00	14.00
Walnutport	Lehigh River	4/11/1993	9.49	25,000	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	11/28/1993	9.39	24,500	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	1/19/1996	12.32	40,100	Moderate	F2	none	8.00	12.00	16.00
Bethlehem	Lehigh River	1/20/1996	16.68	44,900	Minor	F2	none	16.00	20.00	22.00
Lehighton	Lehigh River	1/27/1996	12.55	22,900	Moderate	F2	none	10.00	12.00	14.00
Allentown	Jordan Creek	10/19/1996	8.01	7,680	Minor	none	none	8.00	10.00	12.00
Walnutport	Lehigh River	12/2/1996	9.47	24,200	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	6/21/2003	8.02	16,840	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	9/23/2003	8.40	19,800	Minor	F2	Isabel (2003)	8.00	12.00	16.00
Bethlehem	Lehigh River	9/18/2004	19.70	56,700	Minor	F2	Ivan (2004)	16.00	20.00	22.00
Lehighton	Lehigh River	9/18/2004	12.01	21,200	Moderate	F2	Ivan (2004)	10.00	12.00	14.00
Walnutport	Lehigh River	9/18/2004	12.30	40,000	Moderate	F2	Ivan (2004)	8.00	12.00	16.00
Bethlehem	Lehigh River	4/3/2005	16.06	42,600	Minor	F2	none	16.00	20.00	22.00
Walnutport	Lehigh River	4/3/2005	10.49	30,000	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	6/26/2006	8.32	19,400	Minor	F2	none	8.00	12.00	16.00
Bethlehem	Lehigh River	6/28/2006	17.74	49,000	Minor	F2	none	16.00	20.00	22.00

Site	Stream	Date of Flood	Crest	Flow	Category	Code	Tropical Name	Minor FS	Moderate FS	Major FS
Lehighton	Lehigh River	6/28/2006	13.50	25,500	Moderate	F2	none	10.00	12.00	14.00
Walnutport	Lehigh River	6/28/2006	12.49	41,100	Moderate	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	3/5/2008	8.99	22,500	Minor	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	10/1/2010	9.11	2,300	Minor	F2	Nicole (2010)	8.00	12.00	16.00
Walnutport	Lehigh River	12/1/2010	8.26	19,100	Minor	F2	none	8.00	12.00	16.00
Bethlehem	Lehigh River	3/11/2011	17.17	46,800	Minor	F2	none	16.00	20.00	22.00
Lehighton	Lehigh River	3/11/2011	12.95	24,300	Moderate	F2	none	10.00	12.00	14.00
Walnutport	Lehigh River	3/11/2011	12.72	42,500	Moderate	F2	none	8.00	12.00	16.00
Walnutport	Lehigh River	9/7/2011	8.01	18,000	Minor	F2	Lee (2011)	8.00	12.00	16.00

Search Criteria

Site: Not Specified
 Stream: Not Specified
 Major Basin: Not Specified
 Basin: Lehigh

Weather Type: Not Specified
 Tropical Name: Not Specified
 Category: Not Specified
 WFO: Not Specified

County of Gage: Not Specified
 County of Forecast Point: Not Specified
 State: Not Specified
 Start Date: 01/01/1687
 End Date: 12/31/2016

-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.