

Historical Floods: Pequannock River at Macopin Intake Dam, NJ

Latitude: 41.018
Flood Stage: 5.5

Period of Record: 1898-Present
Last Flood: 12/22/2018

Longitude: -74.401
Number of Floods: 43

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
10/10/1903	17.4	6,100	Missing	C1 F2 G1	12/12/2003	5.78	1,390	Minor	F2
5/29/1968	15.7	2,510	Minor	C1 F2 G1	3/29/2005	5.59	1,170	Minor	F2
8/6/1969	15	1,370	Minor	C1 F2 G1	4/3/2005	6.12	1,760	Minor	F2
4/3/1970	15.2	1,670	Minor	C1 F2 G1	1/19/2006	5.68	1,280	Minor	F2
6/23/1972	15.33	1,800	Minor	C1 F2 G1	4/16/2007	6.38	2,010	Minor	F2
2/3/1973	15.3	1,750	Minor	C1 F2 G1	2/14/2008	5.54	1,120	Minor	F2
3/27/1978	15.27	1,700	Minor	C1 F2 G1	3/9/2008	5.67	1,290	Minor	F2
3/19/1983	15.37	1,850	Minor	C1 F2 G1	1/26/2010	5.53	1,130	Minor	F2
4/5/1984	16.9	4,880	Missing	C1 F2 G1	3/14/2010	7.5	3,100	Major	F2
4/27/1986	15.08	1,450	Minor	C1 F2 G1	3/31/2010	5.59	1,200	Minor	F2
4/5/1987	15.16	1,570	Minor	C1 F2 G1	3/7/2011	5.93	1,580	Minor	F2
5/17/1989	15.25	1,710	Minor	C1 F2 G1	3/11/2011	7.17	2,790	Moderate	F2
3/29/1993	5.82	1,130	Minor	F2 G1	4/17/2011	5.73	1,350	Minor	F2
3/24/1994	5.53	970	Minor	F2	5/19/2011	5.65	1,320	Minor	F2
1/19/1996	6.31	1,960	Minor	F2	6/24/2011	5.6	1,250	Minor	F2
10/20/1996	6.73	2,350	Moderate	F2	8/28/2011	7.42	4,360	Moderate	F2
5/11/1998	5.97	1,600	Minor	F2	9/8/2011	6.07	1,730	Minor	F2
3/22/2001	5.8	1,410	Minor	C3 F2	12/21/2012	6.39	2,030	Minor	F2
3/25/2003	6.31	1,940	Minor	F2	5/1/2014	6.07	1,880	Minor	F2
6/1/2003	5.57	1,153	Minor	F2	2/25/2016	5.64	1,350	Minor	F2

Drainage Area: 63.7 square miles
Gage Datum: 549.17 ft MSL

Data represent all historical events.
Passaic Basin

County of Gage: Passaic
County of Forecast Point: Passaic

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
8/5/2018	5.69	1,420	Minor	none					
11/3/2018	5.95	1,730	Minor	none					
12/22/2018	5.62	1,350	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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