

Historical Floods: Passaic River at Pine Brook, NJ

Latitude: 40.863
Flood Stage: 19

Period of Record: 1903-Present
Last Flood: 5/15/2019

Longitude: -74.322
Number of Floods: 77

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
10/10/1903	23.2	-9,999	Major	C1	7/9/1984	19.77	4,570	Minor	none
3/13/1936	20.8	-9,999	Moderate	C1	4/19/1986	19.56	3,740	Minor	none
9/24/1938	19.4	-9,999	Minor	C1	4/7/1987	19.99	4,290	Minor	none
7/23/1945	22.3	-9,999	Major	C1	5/12/1989	19.31	3,440	Minor	none
5/8/1967	19.69	2,800	Minor	C1	5/18/1989	20.5	5,100	Moderate	none
5/31/1968	21.13	4,140	Moderate	C1	10/22/1989	19.41	3,560	Minor	none
3/26/1969	19.98	3,080	Minor	C1	5/18/1990	19.92	4,190	Minor	none
4/4/1970	20.07	3,100	Moderate	C1	6/7/1992	19.98	4,270	Minor	none
9/12/1971	21.84	4,800	Major	C1	4/2/1993	19.86	4,110	Minor	none
6/26/1972	20.5	3,500	Moderate	C1	1/31/1994	19.06	3,160	Minor	none
9/27/1975	19.74	2,920	Minor	C1	3/12/1994	19.06	3,160	Minor	none
1/25/1979	21.38	4,300	Major	C1	3/30/1994	19.28	3,410	Minor	none
3/23/1980	19.87	4,130	Minor	none	1/21/1996	19.81	3,690	Minor	none
4/11/1980	19.53	3,700	Minor	none	1/29/1996	20.36	4,340	Moderate	none
3/22/1983	19.86	4,730	Minor	none	10/21/1996	21.13	5,350	Major	none
4/12/1983	19.23	3,650	Minor	none	12/8/1996	19.64	3,520	Minor	none
4/18/1983	20.23	5,530	Moderate	none	12/15/1996	19.14	3,030	Minor	none
12/15/1983	20.61	6,450	Moderate	none	5/13/1998	20.1	4,020	Moderate	none
4/7/1984	22.9	8,000	Major	C5	6/16/1998	19.23	3,110	Minor	none
6/1/1984	20.88	7,100	Moderate	none	3/24/1999	19.05	2,945	Minor	none

Drainage Area: 349 square miles
Gage Datum: 149.26 ft MSL

Data represent all historical events.
Passaic Basin

County of Gage: Morris
County of Forecast Point: Morris

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
9/18/1999	20.78	4,400	Moderate	none	8/30/2011	24.12	7,110	Major	none
8/15/2000	19.29	3,070	Minor	none	9/9/2011	21.73	6,140	Major	none
6/6/2003	19.43	3,200	Minor	none	6/15/2013	19.1	2,790	Minor	none
6/23/2003	19.14	2,926	Minor	none	5/2/2014	20.23	3,990	Moderate	none
12/13/2003	19.26	3,040	Minor	none	2/26/2016	19.19	2,880	Minor	none
12/26/2003	19.01	2,809	Minor	none	4/18/2018	19.24	2,930	Minor	none
3/31/2005	19.41	3,180	Minor	none	8/13/2018	19.6	2,790	Minor	none
4/4/2005	20.76	4,790	Moderate	none	11/18/2018	19.12	2,140	Minor	none
10/10/2005	19.07	2,930	Minor	none	11/28/2018	20.03	9,999	Moderate	none
10/15/2005	20.62	4,610	Moderate	none	12/23/2018	19.83	2,940	Minor	none
11/10/2006	19.24	3,090	Minor	none	12/30/2018	19.01	2,110	Minor	none
4/17/2007	22.28	5,950	Major	none	1/2/2019	19.25	2,380	Minor	none
2/15/2008	19.46	2,710	Minor	none	1/26/2019	19.54	2,680	Minor	none
2/20/2008	19.09	2,430	Minor	none	5/15/2019	19.48	2,600	Minor	none
3/10/2008	19.58	3,350	Minor	none					
12/14/2008	19.38	3,080	Minor	none					
12/29/2009	19.13	2,760	Minor	none					
3/16/2010	22.32	6,690	Major	none					
3/24/2010	19.33	3,010	Minor	none					
4/1/2010	20.23	4,370	Moderate	none					
3/12/2011	22.04	6,260	Major	none					
4/19/2011	20.09	3,700	Moderate	none					
5/20/2011	19.68	3,680	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								