

Top10 Highest Historical Crests: Passaic River at Pine Brook, NJ

Latitude: 40.863

Period of Record: 1903-Present

Longitude: -74.322

Flood Stage: 19

Last Flood: 5/15/2019

Number of Floods: 77

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/30/2011	24.12	7,110	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
10/10/1903	23.2	-9,999	The combination of a cold front from a low pressure system produced a secondary low pressure system produced up to 10 inches of rain in a 24-hour period. Locally heavier amounts of 11.58 and 15 inches reported in parts of New Jersey.
4/7/1984	22.9	8,000	An unusually wet winter and frozen ground preceded the passage of a low pressure system. The system dumped over an inch of rain throughout the area, but portions of New Jersey received up to 8 inches of rain.
3/16/2010	22.32	6,690	A low pressure system dumped heavy rain across the region with totals ranging from 1 - 3 inches in most of the area and 3 - 7 inches in New Jersey. The rainfall, combined with the melting snowpack caused significant flooding throughout the Mid-Atlantic.
7/23/1945	22.3	-9,999	A backdoor cold front slipped south into New Jersey and stalled. It produced another round of locally heavy rain.
4/17/2007	22.28	5,950	Two low successive low pressure systems produced rain and snow that caused flooding. Warm temperatures after the passage of the second low led to snowmelt and additional flooding.
3/12/2011	22.04	6,260	Two successive rainstorms produce 1 to 4 inches followed by 1 to 5 inches. Some spots in NJ picked up over 8 inches.
9/12/1971	21.84	4,800	A stalled front across NJ and an upper-level cut-off low centered over Pennsylvania and Virginia produced flooding rains across our eastern basins.
9/9/2011	21.73	6,140	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.

Drainage Area: 349 square miles

Data represent all historical events.
Passaic Basin

County of Gage: Morris
County of Forecast Point: Morris

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
1/25/1979	21.38	4,300	A significant low pressure system produced 2 to 4 inches of rain throughout New Jersey, Eastern Pennsylvania and Virginia.

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