

Floods Caused by Tropical Systems: Ramapo River at Pompton Lakes, NJ

Latitude: 40.992

Period of Record: 1882-Present

Longitude: -74.28

Flood Stage: 11.5

Last Flood: 9/8/2011

Number of Floods: 97

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/28/1971	12.99	6,420	Tropical Storm Doria dumped 3 to 7 inches of rain across the region. Localized rainfall amounts of 8 to 10 inches were reported in the Tidewater area, Eastern NJ and Eastern PA.
8/14/1955	12.41	4,480	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.
8/19/1955	13.58	8,570	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
9/23/1882	-9999	10,500	A hurricane 10 days prior to this event produced up to 10" of rainfall. This hurricane destroyed 4 mills along the Rappahannock River. It dumped 11" of rainfall in Philadelphia. Most of the damage occurred in New Jersey were up to 18" of rain fell.
9/18/2004	13.56	6,390	The remnants of Hurricane Ivan, combined with a cold front, produced an average rainfall amount of 2-4 inches in NY, 3-7 inches in PA, 1-3.5 inches in NJ and 2 inches in WV.
9/27/1975	12.03	3,380	The remnants of Hurricane Eloise combined with a cold front and produced very heavy rainfall in the Mid-Atlantic. Washington, D.C. reported 9.08" of rainfall. Total damage for Virginia was estimated to be \$17.2 million.
8/28/2011	22.61	17,800	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.
10/9/2005	14.4	7,130	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.
9/22/1938	13.13	6,620	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.

Drainage Area: 160 square miles

Gage Datum: 171.35 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)	Weather Summary
9/8/2011	14.33	7,090	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.
7/14/1996	12.1	3,540	Hurricane Bertha became an extratropical system and produced over 2 inches of rain in New Jersey with locally heavier amounts near 5 inches. A frontal passage the next day brought additional rain into the region.
8/24/1933	12.33	5,680	A strong Category 1 storm, the Chesapeake-Potomac Hurricane brought more than 10 inches of rain to Maryland, Delaware and Southern New Jersey. Other locations throughout the Mid-Atlantic measured more than 4 inches of rain.
8/17/2004	11.74	2,615	The remnants of Hurricane Charley was absorbed by the same system that absorbed Hurricane Bonnie a week earlier. Charley flooded the same track as Bonnie and produced an additional inch of rain in the already soaked Passaic Basin.
9/16/1999	14.9	14,000	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
9/9/2004	12.32	2,210	The remnants of Hurricane Frances combined with a low pressure system and produced heavy rain throughout the Mid-Atlantic. Rainfall totals ranged from 2 - 3 inches in New Jersey to 2.5 - 6 inches in Central Pennsylvania.
9/29/2004	12.78	3,600	Hurricane Jeanne stalled a cold front and supplied the front with much-needed moisture. As a result, 1-day rainfall totals ranged from 1 - 6 inches throughout the Mid-Atlantic region.

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