

# Floods Caused by Tropical Systems: North Branch Raritan River near Raritan, NJ

Latitude: 40.571

Period of Record: 1896-Present

Longitude: -74.679

Flood Stage: 10

Last Flood: 11/25/2018

Number of Floods: 56

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/28/1971	15.47	28,600	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.
9/15/1933	10	10,500	Heavy downpours from a stalled front ahead of a tropical circulation.
8/13/1955	12.7	17,400	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.
8/19/1955	13.59	20,700	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.
6/22/1972	10.22	10,400	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
8/28/2011	17.96	27,800	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	10.88	8,020	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.
9/21/1938	12.16	16,500	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.
9/7/2011	10.11	8,240	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: 190 square miles

Gage Datum: 50.43 ft MSL

Data represent all historical events.  
Raritan Basin

County of Gage: Somerset  
County of Forecast Point: Somerset

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/8/2011	12.72	17,500	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.
11/3/1927	10	10,500	Remnants of unnamed tropical system moving northward off the eastern seaboard.
9/16/1999	18.98	29,000	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.
9/29/2004	10.48	10,000	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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