

Floods Caused by Tropical Systems: Raritan River below Calco Dam at Bound Brook

Latitude: 40.475

Period of Record: 1882-Present

Longitude: -74.548

Flood Stage: 28 ft

Last Flood: 5/1/2014

Number of Floods: 69

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/17/1999	42.13	82,900	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.
8/28/2011	41.90	80,400	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.
8/28/1971	37.47	46,100	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.
9/8/2011	33.14	33,900	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.
6/23/1972	30.11	26,900	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.
10/9/2005	29.20	20,900	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.
6/8/2013	29.14	20,600	A nearly stationary front interacted with the remnants of Tropical Storm Andrea and resulted heavy rainfall along the I-95 corridor.

Drainage Area: 785 sq mi

Tropical information before 1940 is limited.

County of Gage: Somerset

Gage Datum: 0 ft MSL

Raritan Basin

County of Forecast Point: Somerset

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/25/1975	29.09	23,900	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.
9/7/2011	29.04	20,500	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.
9/29/2004	28.79	19,900	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.
9/24/1882	-9999.00	-9,999	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.

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