

Floods Caused by Tropical Systems: East Branch Delaware River at Harvard

Latitude: 42.025

Period of Record: 1936-Present

Longitude: -75.12

Flood Stage: 10 ft

Last Flood: 9/7/2011

Number of Floods: 29

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/22/1938	16.93	31,400	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.
9/18/2004	16.07	20,600	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.
9/7/2011	14.73	17,100	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.
8/29/2011	13.31	13,900	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.

Drainage Area: 458 sq mi

Tropical information before 1940 is limited.

County of Gage: Delaware

Gage Datum: 1007.41 ft MSL

Main Stem Delaware Basin

County of Forecast Point: Delaware