

Floods Caused by Tropical Systems: Brandywine Creek at Chadds Ford, PA

Latitude: 39.87

Period of Record: 1912-Present

Longitude: -75.594

Flood Stage: 9

Last Flood: 6/20/2019

Number of Floods: 140

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/28/1971	11.47	8,700	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.
9/19/1945	10.87	8,240	The 1945 Southeast Florida Hurricane brought gusty winds and heavy rains to the Mid-Atlantic region.
8/19/1955	14.64	16,400	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.
9/19/2004	9.86	7,370	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.
8/4/1915	14.7	16,500	The first tropical cyclone of 1915 interacted with a low pressure system and dumped 2 -3 inches of rain across much of the Mid-Atlantic region.
6/22/1972	16.56	23,800	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.
8/18/1928	11	8,620	The weather summary is unavailable at this time.
8/28/2011	15.23	18,300	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	12.3	12,700	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.

Drainage Area: 287 square miles

Gage Datum: 150.45 ft MSL

Data represent all historical events.
Brandywine Basin

County of Gage: Delaware
County of Forecast Point: Delaware

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/23/2003	9.15	5,529	Hurricane Isabel combined with another system and produced more than 3 inches of rain in VA with locally heavier amounts of 10 inches. Another low pressure system moved through the region and produced a few additional inches of rain.
9/30/1924	9.6	6,200	Tropical Storm Eight made landfall in the Panhandle of Florida before moving northward along the Atlantic Coast. The storm intensified over NC and became an extratropical storm. Several locations in VA set new records for 24-hour rainfall totals.
8/20/1939	10.72	8,060	The remnants of the second hurricane of year produced heavy rain throughout the Mid-Atlantic region with 14.81 inches observed at Tuckerton, NJ.
9/7/2011	10.14	7,820	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.
9/8/2011	11.7	11,100	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.
10/1/2010	12.94	14,300	Tropical moisture ahead of a north-south frontal boundary interacted with the remnants of tropical storm Nicole to produce heavy rainfall throughout the Mid-Atlantic. Rainfall amounts of 4"-5" were common, with locally heavier amounts of up to 10".
6/13/1968	10	6,840	The remnants of Hurricane Abby combined with an extratropical cyclone and caused minor flooding.
10/30/2012	12.19	9,400	Hurricane Sandy moved across NJ through PA producing 3 to 7 inches of rain with locally higher amounts in areas that saw flooding. The hurricane rapidly lost its tropical characteristics as it moved northwest.
8/24/1933	14.01	14,800	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.
9/17/1999	17.15	26,900	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.
9/15/2003	13.74	16,700	The remnants of Tropical Storm Henri produced generally an inch or less of rainfall throughout the region. A small stretch of the region ranged from 3.00 inches in Northern Maryland and Delaware to over 5.00 inches in Eastern Pennsylvania.

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Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/29/2004	13.62	16,300	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.