

Floods Caused by Tropical Systems: Neshaminy Creek near Langhorne

Latitude: 40.174

Period of Record: 1933-Present

Longitude: -74.957

Flood Stage: 9 ft

Last Flood: 5/1/2014

Number of Floods: 164

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/19/1955	22.84	49,300	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.
9/17/1999	21.91	44,400	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	19.56	23,100	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.
9/8/2011	18.09	20,400	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.
8/23/1933	17.30	30,000	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.
6/17/2001	16.87	22,600	The remnants of Tropical Storm Allison dumped over 2 inches of rain across New Jersey and Eastern Pennsylvania and locally heavier amounts of 3 inches in Philadelphia and Trenton.
9/29/2004	15.21	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.
8/28/1971	14.80	21,200	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.

Drainage Area: 210 sq mi

Tropical information before 1940 is limited.

County of Gage: Bucks

Gage Datum: 40.57 ft MSL

Southeastern Pennsylvania Basin

County of Forecast Point: Bucks

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/13/1960	14.36	19,400	Hurricane Donna made its second landfall near Wilmington, NC as a Category 3 hurricane. It produced 6 to 8 inches of rain in Eastern Virginia and caused 3 fatalities.
8/13/1955	13.55	17,300	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.
9/21/1938	13.34	17,100	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.
10/9/2005	11.74	11,500	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.
9/27/1985	11.66	11,600	Hurricane Gloria made landfall over Long Island as a Category 2 storm. Gloria produced rainfall amounts of 1 to 5 inches in most of the Mid-Atlantic, with locally heavier amounts of almost 7 inches reported.
6/8/2013	11.59	10,200	A nearly stationary front interacted with the remnants of Tropical Storm Andrea and resulted heavy rainfall along the I-95 corridor.
9/2/2006	10.97	9,940	Several low pressure systems brought heavy rainfall to the region. These systems were followed by Tropical Storm Ernesto, which dumped 2-4 inches of rain throughout the Mid-Atlantic.
9/7/2011	10.70	8,950	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	10.48	9,090	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".

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County of Gage: Bucks
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Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/6/2011	10.27	8,390	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.
6/22/1972	9.95	8,600	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.

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