

Floods Caused by Tropical Systems: Schuylkill River at Philadelphia, PA

Latitude: 39.968

Period of Record: 1769-Present

Longitude: -75.189

Flood Stage: 11

Last Flood: 7/12/2019

Number of Floods: 66

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
8/28/1971	11.26	43,900	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	11.92	54,400	The 1945 Southeast Florida Hurricane brought gusty winds and heavy rains to the Mid-Atlantic region.
8/13/1955	11.25	44,200	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.
8/19/1955	14.32	90,100	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.
9/24/1882	-9999	-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 where up to 18" of rain fell.
10/4/1869	17	135,000	On October 4, the "Saxby Gale" hurricane brought widespread heavy rain to the northeastern U.S., from Virginia to Maine. Eastern Pennsylvania collected more than 5 inches. Severe flooding throughout the Mid-Atlantic and New England.
9/18/2004	11.33	51,100	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.
6/23/1972	14.65	103,000	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	13.56	83,900	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: 1893 square miles

Gage Datum: 5.74 ft MSL

Data represent all historical events.
Schuylkill Basin

County of Gage: Philadelphia
County of Forecast Point: Philadelphia

Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
10/9/2005	12.07	61,500	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.
9/12/1960	11.58	51,200	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.
9/7/2011	12.01	60,600	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	12.52	68,200	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	13.05	76,300	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".
9/3/1775	-9999	-9,999	The eighth deadliest hurricane in history, the Independence Hurricane produced heavy rainfall from the Outer Banks of North Carolina to Nova Scotia. It caused flooding in Southeastern Virginia and Philadelphia, Pennsylvania.
8/24/1933	14.7	96,200	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	14.1	92,500	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.
9/8/1769	-9999	-9,999	Torrents of rain from a hurricane caused major damage in Virginia and Philadelphia. In Virginia, farms and buildings were destroyed. In Philadelphia, two mills were washed away, several mill dams broke and bridges were destroyed.
10/24/1878	-9999	-9,999	A very strong hurricane caused flooding in the Mid-Atlantic region. The Potomac flooded basements around DC. In Philadelphia, the flood waters submerged the first story of buildings, destroyed 385 homes and destroyed a major bridge.
10/13/1846	-9999	-9,999	A possible category 5 at landfall, a very powerful storm caused memorable flooding the Potomac and Delaware Rivers. The Potomac rose to its highest level in 20 years. The Delaware River rose to its highest level since the 1775 Independence Hurricane.

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Date of Flood	Crest (ft)	Streamflow (cfs)	Weather Summary
9/29/2004	11.86	58,500	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.