

DELAWARE RIVER

TRENTON TO MARCUS HOOK

REFERENCE TIDE GAUGE - PHILADELPHIA

The Philadelphia tide gauge is located on the Delaware River near the east end of Washington Avenue.

High tide at Trenton, New Jersey occurs about 1¼ hours later than the high tide at Philadelphia. Low tide is around 1¼ hours later.

High tide at Marcus Hook, Pennsylvania occurs about 1½ hours earlier than the high tide at Philadelphia. Low tide is around 1¼ hours earlier.

Mercer County and Bucks County

There are no known tidal flooding problem areas in either county. However, tidal effects may worsen river and creek flooding caused by heavy rainfall or snowmelt.

Burlington County

Note: For eastern Burlington County refer to Ocean County.

In the upper part of the minor range:

In Burlington Township, flooding occurs along Tanner's Run near the intersection of US Route 130, Beverly Road and Devlin Avenue.

In Delanco, flooding occurs on the access road to the Riverside Bridge (Burlington Avenue).

Flooding occurs around the Centerton Road bridge (Burlington County Route 635) over the Rancocas Creek. The bridge connects Willingboro and Westampton Township with Mount Laurel Township.

In Moorestown, flooding occurs along the North Branch of the Pennsauken Creek below the Strawbridge Lake Dam.

*Prolonged periods of westerly winds tend to prevent the Rancocas Creek from draining into the Delaware River. This may result in flooding in Moorestown along Kendles Run (especially at Creek Road) and along Parkers Creek.

Philadelphia County

In the lower part of the minor range:

Flooding occurs at the east end of Linden Avenue in the Northeast. There is a large parking lot at that location.

Flooding occurs at the former Navy Shipyard from both the Delaware River and the Schuylkill River.

In the upper part of the minor range:

Flooding occurs along Delaware Avenue at Race Street (near the Ben Franklin Bridge). Generally, it is not a case of the river spilling over onto the roadway. The flooding problems tend to occur when the river is high and water begins to backup into the storm drains.

Camden County

In the lower part of the minor range:

In Camden, flooding occurs along Admiral Wilson Boulevard (US Route 30) and Baird Avenue as the Cooper River overflows.

Gloucester County

In the lower part of the minor range:

Flooding occurs along the Nehonsey Brook in Greenwich Township (Gibbstown) at South Poplar Street and Democrat Road.

The Repaupo Creek overflows onto Flood Gates Road in Greenwich Township and Logan Township.

There is a floodgate at the mouth of Repaupo Creek, where it empties into the Delaware River.

In the upper part of the minor range:

In Westville, flooding occurs along Timber Avenue, Edgewater Avenue and NJ Route 47 as the Big Timber Creek overflows its banks.

Flooding occurs along Woodbury Creek and Hessian Run in West Deptford Township.

Delaware County

In the upper part of the minor range:

Flooding occurs in Tincum Township between Philadelphia International Airport and Essington.

Data Acquisition

In order to access data from the Philadelphia gauge, use the National Ocean Service web site at <http://storms.nos.noaa.gov/>.

REFERENCE TIDE GAUGE - PHILADELPHIA

The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service. They may vary slightly from figures found in National Weather Service publications.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (MLLW).

10.5 FT — November 25, 1950.

10.2 FT — SEVERE TIDAL FLOODING BEGINS.

9.8 FT — April 2, 2005.

9.7 FT — December 11, 1992.

9.5 FT — November 28, 1993; September 19, 2003 (Hurricane Isabel) and April 19, 2007.

9.4 FT — June 29, 2006.

9.2 FT — MODERATE TIDAL FLOODING BEGINS.

January 19, 1996 and December 14, 2003.

8.2 FT — MINOR TIDAL FLOODING BEGINS.

-1.8 FT — BLOWOUT TIDE.

-2.8 FT — January 16, 1992 and February 5, 2007.

-2.9 FT — November 14, 2003.

-3.1 FT — January 17, 2000.

-3.2 FT — February 25, 1990 and January 15, 2006.

-3.3 FT — March 6, 2007.

-3.4 FT — March 15, 1993.

-4.4 FT — November 21, 1989.

-6.8 FT — December 31, 1962.

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