

# **CUMBERLAND COUNTY**

## ***REFERENCE TIDE GAUGE - CAPE MAY FERRY TERMINAL***

There is no National Ocean Service tide gauge in Cumberland County. As a result, the Cape May Ferry Terminal tide gauge is being used as the reference for the county. The gauge is located along the Cape May Canal near the outlet to Delaware Bay.

High tides along Cumberland County's bay shore occur later than the high tides at the ferry terminal. The time differences range from about ½ hour in the eastern part of the county to around 2 hours in the western part of the county. Low tides range from about 1 hour later in the east to around 2½ hours later in the west.

In Cumberland County, tidal flooding will be enhanced by a southeast or south wind. Flooding may begin sooner than indicated in the following table and it may become more widespread.

## ***Data Acquisition***

In order to access data from the Cape May Ferry Terminal gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/> or the Advanced Hydrologic Prediction Service site at <http://water.weather.gov/ahps2/index.php?wfo=phi>.

## ***REFERENCE TIDE GAUGE - CAPE MAY FERRY TERMINAL***

The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service.

THE PERIOD OF RECORD FOR THE CAPE MAY GAUGE BEGINS IN OCTOBER 1965. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

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

- 9.0 FT — January 23, 2016
- 8.9 FT — October 29, 2012 (Post Tropical Cyclone Sandy)
- 8.8 FT — September 27, 1985 (Hurricane Gloria)

## **8.7 FT — MAJOR TIDAL FLOODING BEGINS.**

Flooding becomes severe enough to begin causing structural damage along with widespread flooding of roadways. Vulnerable homes and businesses may be severely damaged or destroyed as water levels rise further above this threshold. Numerous roads become impassable and some neighborhoods may be isolated. The flood waters become a danger to anyone who attempts to cross on foot or in a vehicle.

October 25, 1980

October 29, 2011

8.6 FT — December 11, 1992

8.5 FT — January 4, 1992

March 3, 1994

8.4 FT — August 27, 2011 (Hurricane Irene)

8.3 FT — October 14, 1977

8.2 FT — December 22, 1972

October 31, 1991

February 5, 1998

June 4, 2012

8.1 FT — March 29, 1984

October 17, 2009

November 13, 2009

February 9, 2016

8.0 FT — January 28, 1998

October 7, 2006

May 12, 2008

October 2, 2015

7.9 FT — December 2, 1974

January 2, 1987

March 19, 1996

January 25, 2000

May 25, 2005

January 31, 2006

7.8 FT — December 14, 1993

April 18, 2007

December 9, 2014

**7.7 FT — MODERATE TIDAL FLOODING BEGINS.**

Widespread flooding of roadways begins due to high water and/or wave action with many roads becoming impassable. Lives may be at risk when people put themselves in harm's way. Some damage to vulnerable structures may begin to occur.

December 9, 1973

November 15, 1981

December 13, 1996

November 14, 1997

January 3, 1999

June 13, 2007

June 22, 2009

April 16, 2011

January 10, 2016

7.5 FT — The northern approach to the Cumberland County Route 553 bridge at Dividing Creek begins to flood.

Flooding begins in Greenwich, Fairton, Mauricetown and Port Norris.

7.1 FT — Flooding begins in Fortescue and in Maurice River Township.

**7.0 FT — COASTAL FLOOD ADVISORY THRESHOLD.**

6.9 FT — Flooding begins in Money Island and Gandys Beach.

**6.7 FT — MINOR TIDAL FLOODING BEGINS.**

Flooding begins along the road into Fortescue (Cumberland County Route 637).

Flooding begins in Bivalve.

**-2.0 FT — LOW WATER ADVISORY THRESHOLD.**

-3.0 FT — January 27, 1971