

ATLANTIC COUNTY

REFERENCE TIDE GAUGE - ATLANTIC CITY

The Atlantic City tide gauge is located on the oceanfront.

Back Bays

The larger back bays of Atlantic County (from north to south) include Great Bay, Little Bay, Reeds Bay, Absecon Bay, Lakes Bay, Scull Bay and Great Egg Harbor Bay. There are a number of smaller bays and channels within and behind the barrier islands.

High tides on the back bays of Atlantic County occur up to about 1½ hours later than the high tides on the oceanfront. Low tides occur up to about 2 hours later.

The back bays present a problem during prolonged periods of onshore flow. For each successive tide cycle that the back bays are not allowed to drain, the water levels increase.

Data Acquisition

In order to access data from the Atlantic City 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>.

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

In the table an asterisk (*) indicates that location experiences back bay type flooding. Being that the reference gauge is on the oceanfront, the tide level associated with that particular location may vary somewhat from event to event based on the number of tide cycles during which there is an onshore flow.

THE PERIOD OF RECORD FOR THE ATLANTIC CITY GAUGE BEGINS IN AUGUST 1911. 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 — December 11, 1992
- 8.8 FT — September 14, 1944 (Hurricane)
October 29, 2012 (Post Tropical Cyclone Sandy)
- 8.6 FT — September 27, 1985 (Hurricane Gloria)
October 31, 1991

- 8.4 FT — March 6, 1962
August 9, 1976 (Hurricane Belle)
- 8.2 FT — November 25, 1950
- 8.0 FT — MAJOR TIDAL FLOODING BEGINS.**
At this level, flooding starts to become 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.
March 29, 1984
- 7.8 FT — October 25, 1980
January 4, 1992
January 23, 2016
- 7.6 FT — January 2, 1987
March 19, 1996
- 7.5 FT — October 14, 1977
March 2, 1994
June 4, 2012
- 7.4 FT — December 22, 1972
October 18, 2009
- 7.3 FT — October 23, 1953
December 20, 1995
October 7, 2006
November 13, 2009
- 7.2 FT — September 12, 1960 (Hurricane Donna)
October 22, 1961
December 9, 1973
September 25, 1977
September 26, 1992 (Tropical Storm Danielle)
November 14, 1997
February 5, 1998
October 29, 2011
January 3, 2014
January 10, 2016
February 8, 2016

- 7.1 FT — November 1, 1947
January 23, 1966
February 19, 1972
November 15, 1981
December 13, 1996
January 28, 1998
January 25, 2000
January 3, 2003
December 11, 2003
May 25, 2005
January 31, 2006

7.0 FT — MODERATE TIDAL FLOODING BEGINS.

At this level, 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.

- November 30, 1944
- August 28, 1971 (Tropical Storm Doria)
- December 2, 1974
- February 26, 1979
- January 10, 1993
- December 6, 1996
- December 25, 2002
- May 12, 2008
- March 9, 2013
- December 9, 2014
- October 2, 2015

- 6.8 FT — Flooding begins in Pleasantville*.
Flooding begins along Longport Boulevard (NJ Route 152) between Somers Point* and Longport*.
Flooding begins along Atlantic County Route 559 in Somers Point* (the section between US Route 9 and NJ Route 52).
- 6.6 FT — Flooding begins around Absecon Inlet in Atlantic City.
Flooding begins in Longport between 11th Street and 24th Street.
- 6.4 FT — Flooding begins on the north end of Brigantine*.
Flooding begins on Absecon Creek in Absecon* along Absecon Boulevard (US Route 30), Shore Road and New Road (US Route 9).
Flooding begins in Margate*.
Flooding begins along Bay Avenue in Somers Point*.

6.3 FT — COASTAL FLOOD ADVISORY THRESHOLD.

- 6.2 FT — Flooding begins on the White Horse Pike (US Route 30 - Absecon Boulevard) in Absecon* and Atlantic City*.
 Flooding begins along the back bays in Atlantic City* and Ventnor*.
 Flooding begins on the Black Horse Pike (US Routes 40 and 322) in West Atlantic City*.
 Flooding begins along US Route 9 at the north end of the Beeselys Point Bridge*.
- 6.0 FT — MINOR TIDAL FLOODING BEGINS.**
- 5.8 FT — Flooding begins at the most susceptible locations in West Atlantic City*.
- 2.0 FT — LOW WATER ADVISORY THRESHOLD.**
- 3.0 FT — November 19, 1911
 December 26, 1924
 February 21, 1928
 January 22, 1947
 February 16, 1953
 April 14, 1953
 January 2, 1969
 February 8, 1985
- 3.1 FT — April 2, 1923
 January 23, 1925
 February 4, 1927
 December 30, 1928
 February 14, 1930
 December 7, 1931
 January 28, 1932
 March 9, 2005
- 3.2 FT — December 28, 1911
 December 28, 1912
 February 15, 1923
 December 1, 1929
 January 25, 1939
 March 7, 1939
 February 15, 1946
 February 26, 1956
 January 28, 1963
 December 1, 1963
 March 17, 1976
 December 22, 1976

- 3.3 FT — March 3, 1912
November 25, 1912
December 8, 1913
January 7, 1924
January 23, 1924
February 14, 1942
March 5, 1954
November 30, 1958
- 3.4 FT — March 7, 1913
January 14, 1918
March 28, 1919
March 7, 1920
March 3, 1950
March 28, 1955
December 31, 1962
December 10, 1977
March 16, 1980
- 3.5 FT — March 11, 1933
December 20, 1934
March 19, 1941
October 26, 1980
- 3.6 FT — December 1, 1944
November 30, 1955
- 3.7 FT — January 6, 1912
February 27, 1925
February 10, 1933
March 24, 1940
February 8, 1951
February 25, 1967
- 3.8 FT — February 23, 1912
November 17, 1925
December 28, 1925
December 26, 1966
- 3.9 FT — January 4, 1913
January 29, 1926
- 4.0 FT — January 26, 1928
January 31, 1966
- 4.1 FT — January 25, 1936
February 2, 1976
- 4.2 FT — March 8, 1932
- 5.2 FT — January 10, 1978