

ATLANTIC COUNTY

REFERENCE TIDE GAUGE - ATLANTIC CITY

The Atlantic City tide gauge is located on the oceanfront at the Trump Pier.

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://storms.nos.noaa.gov/>.

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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. They may vary slightly from figures found in National Weather Service publications.

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.

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

- 9.0 FT — December 11, 1992.
- 8.8 FT — September 14, 1944 (Hurricane).
- 8.6 FT — September 27, 1985 (Hurricane Gloria).
- 8.5 FT — October 31, 1991.
- 8.4 FT — March 6, 1962 and August 9, 1976 (Hurricane Belle).
- 8.2 FT — November 25, 1950.
- 8.0 FT — SEVERE TIDAL FLOODING BEGINS.**
March 29, 1984.
- 7.8 FT — October 25, 1980 and January 4, 1992.
- 7.6 FT — January 2, 1987 and March 19, 1996.
- 7.5 FT — October 14, 1977 and March 2, 1994.
Flooding occurs on the Margate Bridge causeway* (Atlantic County Route 563).
- 7.4 FT — December 22, 1972.
- 7.3 FT — December 20, 1995 and October 7, 2006.
- 7.2 FT — September 12, 1960; October 22, 1961; December 9, 1973; September 25, 1977;
November 14, 1997 and February 5, 1998.
- 7.1 FT — January 23, 1966; November 15, 1981; December 13, 1996; January 28, 1998; January
25, 2000; January 3, 2003; December 11, 2003; May 25, 2005 and January 31, 2006.
- 7.0 FT — MODERATE TIDAL FLOODING BEGINS.**
February 19, 1972; December 2, 1974; December 6, 1996; December 25, 2002 and May
12, 2008.
- 6.9 FT — Flooding begins in Pleasantville*.
Flooding occurs along Longport Boulevard (NJ Route 152) between Somers Point* and
Longport*.
Flooding occurs along Atlantic County Route 559 in Somers Point* (the section between
US Route 9 and the traffic circle).
Flooding occurs along US Route 9 at the north end of the Beeselys Point Bridge*.
- 6.7 FT — Flooding begins around Absecon Inlet in Atlantic City.
Flooding occurs in Longport between 11th Street and 24th Street.
- 6.5 FT — Flooding begins on the north end of Brigantine*.
Flooding occurs on Absecon Creek in Absecon* along Absecon Boulevard (US Route
30), Shore Road and New Road (US Route 9).
Flooding begins in Margate*.
Flooding occurs along Bay Avenue in Somers Point*.
- 6.3 FT — Flooding occurs 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 occurs on the Black Horse Pike (US Routes 40 and 322) in West Atlantic City*.
- 6.0 FT — MINOR TIDAL FLOODING BEGINS.**
- 5.7 FT — Flooding begins at the most susceptible locations in West Atlantic City*.

- 1.8 FT — BLOWOUT TIDE.**
- 3.1 FT — March 9, 2005.
- 3.8 FT — February 23, 1912; November 17, 1925; December 28, 1925 and December 25, 1966.
- 3.9 FT — January 4, 1913 and January 29, 1926.
- 4.0 FT — January 26, 1928; January 25, 1936 and January 31, 1966.
- 4.1 FT — February 2, 1976.
- 4.2 FT — March 8, 1932.
- 5.2 FT — January 10, 1978.

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