

MIDDLESEX COUNTY

REFERENCE TIDE GAUGE - SANDY HOOK

The Sandy Hook tide gauge is located on the bay side of Sandy Hook.

Raritan Bay

The Sandy Hook gauge is fairly representative of the tides along the Raritan Bay shoreline in Middlesex County. The high and low tides occur within about 15 minutes of those at Sandy Hook.

Raritan River

The Raritan River is tidal below New Brunswick. The high tides at New Brunswick occur about ½ hour later than those at Sandy Hook. Low tides are about 45 minutes later.

Arthur Kill

The high and low tides along the Arthur Kill in Middlesex County are up to about ½ hour later than those at Sandy Hook.

Middlesex County

In the moderate range:

Flooding begins along Woodbridge Creek in Woodbridge Township.

Flooding begins in Perth Amboy.

Flooding occurs along Rosewell Street in South Amboy.

Flooding occurs at the Victory Plaza Circle in Sayreville (US Route 9 and NJ Route 35).

Flooding occurs along the South River and in Old Bridge Township.

Data Acquisition

In order to access data from the Sandy Hook 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 Raritan Bay, 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).

- 10.1 FT — September 12, 1960 (Hurricane Donna) and December 11, 1992.
- 9.7 FT — November 7, 1953.
- 9.4 FT — September 14, 1944 (Hurricane) and March 6, 1962.
- 9.0 FT — November 25, 1950.
- 8.8 FT — January 23, 1966 and November 12, 1968.
- 8.7 FT — SEVERE TIDAL FLOODING BEGINS.**
March 29, 1984 and March 13, 1993.
- 8.6 FT — September 27, 1985 (Hurricane Gloria); January 2, 1987 and October 31, 1991.
- 8.5 FT — April 13, 1961.
- 8.3 FT — February 19, 1972 and March 19, 1996.
- 8.1 FT — January 31, 2006 and April 16, 2007.
- 8.0 FT — October 14, 1955 and December 2, 1974.
- 7.9 FT — August 31, 1954 (Hurricane Carol); December 26, 1969; December 22, 1972; October 25, 1980; February 24, 1998 and December 25, 2002.
- 7.8 FT — October 14, 1977; March 3, 1994; December 20, 1995 and January 29, 1998.
- 7.7 FT — MODERATE TIDAL FLOODING BEGINS.**
March 20, 1958; October 22, 1961; November 10, 1962; December 25, 1978; December 3, 1986; January 4, 1994; December 13, 1996; November 14, 1997; February 5, 1998; January 3, 2003; January 3, 2006; February 12, 2006; October 7, 2006; May 12, 2008 and December 12, 2008.
- 6.7 FT — MINOR TIDAL FLOODING BEGINS.**
- 1.8 FT — BLOWOUT TIDE.**
- 3.2 FT — March 9, 2005.
- 3.8 FT — March 11, 1933.
- 4.1 FT — January 6, 1959.
- 4.2 FT — January 24, 1936.
- 4.3 FT — December 31, 1962.
- 4.4 FT — January 10, 1978.
- 4.7 FT — February 2, 1976.

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