

SURVEYING PROCESS

CONDUCTED BY VOLUNTEERS FROM
**MONMOUTH UNIVERSITY'S
URBAN COAST INSTITUTE**

During the summer of 2016, a student-faculty research team from Monmouth University's Urban Coast Institute became involved in the County's HWM Initiative. Teams worked to survey elevations throughout communities where HWM markers would be placed. HWM elevations were derived in three ways: from direct knowledge, water marks within a town, or by water level gauge information from temporary sensors that were installed by the U.S. Geological Survey just before Sandy hit.



The research teams used Real Time Kinematic (RTK) Global Positioning System (GPS) technology. All elevations are expressed in the North American Vertical Datum of

1988 (NAVD88). NAVD88 is based on a network of fixed locations across North America.

This collaboration provided students with hands-on surveying experience and disaster awareness education. It also furthered university relations with local communities.

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PARTNER AGENCIES



MONMOUTH COUNTY & FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

High Water Mark Initiative

OCTOBER 29, 2012



HIGH WATER MARK
FEET NAVD88

**SUPERSTORM SANDY CAUSED WATER
TO RISE TO THIS LEVEL AT THIS LOCATION**



www.floodsmart.gov



FEMA



Fall 2016

MONMOUTH COUNTY HIGH WATER MARK INITIATIVE

Furthering the efforts of the nationally acclaimed Monmouth County Community Rating System (CRS) Assistance Program, the goal of the High Water Mark (HWM) Initiative is to build local community-based awareness of flood risks and encourage communities to take action to mitigate those risks.

Participation in the HWM Initiative is voluntary and is being offered at no cost to every municipality in the County, regardless of their CRS status. Monmouth County municipalities participating in the CRS program can gain CRS points when they install high water mark signs in their community which show flood heights from past severe storm events, such as Sandy.

Through the CRS program, municipalities can lower the cost of flood insurance for residents.

A successful collaboration between the County, Federal Emergency Management Agency (FEMA), National Flood Insurance Program (NFIP) and its High Water Mark Initiative, an HWM Launch Event was held at the Belford Ferry Terminal in Middletown, NJ on June 27, 2016.



The County and its partners recently finished placing nearly 100 signs in prominent locations throughout the 14 participating towns and 2 federal properties. Consistent messaging throughout Monmouth County assists local emergency management officials in ensuring that the public remains diligent in taking long-term actions to protect themselves, their properties, and the community.

Any town interested in finding out more about the Monmouth County HWM Initiative is encouraged to contact the Monmouth County Office of Emergency Management at 732-431-7400, ext.1802.

PARTICIPATING JURISDICTIONS



The Official Site of the NFIP
www.FloodSmart.gov

