Tsunami Inundation Map for Emergency Planning
Bethany Beach
March 1, 2014
Scale 1:30000

Sources

Local Sources

Submarine Mass Failure 1
72.21 W, 38.22 N

Submarine Mass Failure 2
73.19 W, 38.41 N

State of Delaware
Bethany Beach

Distant Sources

Puerto Rico Trench Zone (PRZ)
75.48 W, 39.20 N

Assateague Convergence Zone (H-6.0)
38.00 N, 75.10 W

Gibbs Hill Plateau boundary

Ocean City COA

DISCLAIMER

This tsunami inundation map was prepared to help coastal communities to identify their tsunami hazard. This map is not a legal document and does not meet disclosure requirements for real estate transactions nor for any other regulatory purpose. The inundation map has been obtained through using the best available scientific information. The inundation line represents the maximum tsunami runup extent utilizing a number of extreme, yet scientifically realistic, tsunami sources. This map is supposed to portray the worst case scenario and does not provide any further information about the return periods of the events studied here.

Tsunami Inundation Line
Tsunami Inundated Area

Preliminary to the development of the National Tsunami Hazard Mitigation Program (NTHMP), the University of Delaware (UD), and the University of Rhode Island (URI) identified local studies to be performed in order to prepare an initial coastal tsunami inundation map for the U.S. East Coast. These studies were performed in 2012-2013 to support the development of the NTHMP. The NTHMP was reauthorized in 2013, and the University of Delaware, National Oceanic and Atmospheric Administration (NOAA), and the University of Maryland (UMD) are now preparing an updated, regional coastal tsunami inundation map for the U.S. East Coast, with the goal of completing the map in 2022.