

Hurricane Surge Inundation Chilmark, MA

Hurricane Surge Inundation (Flooding)

Worst Case Scenario

- Category 1
- Category 2
- Category 3
- Category 4

FEMA 'Preliminary' Flood Zones

Become 'Effective' July 20, 2016

- 100 Year Flood Zone

Per US Army Corps of Engineers:
Hurricane surge elevations were determined by the National Hurricane Center using the PV2 SLOSH model basin, and assumed peak hurricane surge arriving at mean high water.

The hurricane surge inundation areas shown on this map depict the inundation that can be expected to result from a worst case combination of hurricane landfall location, forward speed, and direction for each hurricane category.

The primary elevation data source was LIDAR data collected from Nov 2009 to Feb 2010 by Camp Dresser and McKee. This data was supplemented with MassGIS Digital Terrain Model (DTM) files which were made available in April 2003.

Elevation Accuracy:

SLOSH Model Elevation Data: +/- 20 percent
LIDAR Elevation Data: +/- 0.5ft vertical; +/-1ft horiz.

100 Year Flood Zone:

The 100 year flood areas represent a subset of the data available on the paper Flood Insurance Rate Maps -FIRM as provided by the Federal Emergency Management Agency (FEMA). These data were do not replace the official paper FIRMs. The data should only be used to portray zones of uncertainty and possible risks associated with flooding not for engineering or site work.

DISCLAIMER:

Data provided are for planning purposes only. These data should not be considered an absolute representation indicating which areas can expect to be flooded by hurricane storm surge for a particular category. The MVC cannot be responsible for how these data are used or interpreted by the end user.

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Data: Flood Boundaries - FEMA 2013; Roads - MassDOT/MassGIS 2014; Aerial Photo - MassGIS/USGS 2014; Inundation Areas - USACE 2013

Projection: Stateplane, MA Mainland, NAD83, m
File: cls_basics; chi_Hurr_Inundation.mxd - Original in color

