

Hurricane Surge Inundation and Hurricane Tracks

Chilmark, MA

Pre-Disaster Mitigation Plan

- Affected Structures
- Bridges
- Dams
- Low to Moderate Hazard
- Critical Facilities
 - Affected
 - Not Affected
- FEMA 100 Year Flood Zone*
- Hurricane Surge Inundation (Flooding) Worst Case Scenario
 - Category 1
 - Category 2
 - Category 3
 - Category 4
- Roads
 - Primary Road
 - Secondary Road
 - Tertiary Road
 - Critical Road Segment
- Town Boundary

*Data provided by FEMA - Preliminary DFIRM June 2013

NOTES:
This map was produced by the Martha's Vineyard Commission for the Pre-Disaster Mitigation Project of 2013.
Funding for the Pre-Disaster Mitigation Planning Grant was provided by the Massachusetts Emergency Management Agency.

Per USACE:
"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."

ACCURACY:
SLOSH Model Elevation Data: +/-20 percent
LiDAR Elevation Data: +/-0.5ft vertical; +/-1ft horizontal
Shoreline Data: Less accurate than LiDAR; Hence, discrepancies will be visibly noticeable when displayed together.

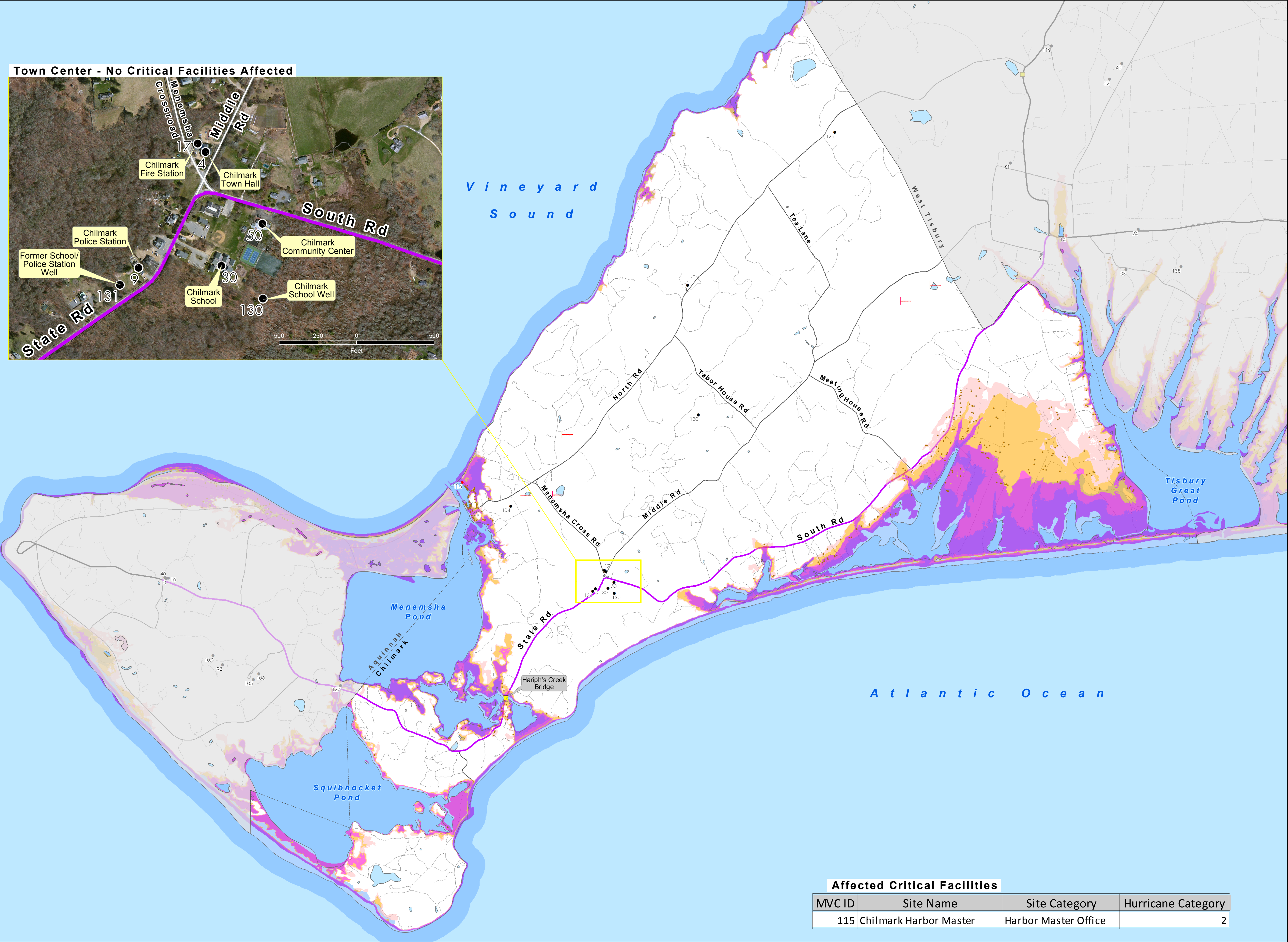
DISCLAIMER:
Data provided are for planning purposes only. The data are not adequate for boundary determination or regulatory interpretation. Nor should these data be considered an absolute representation indicating which areas can expect to be flooded by hurricane storm surge for a particular category. The MVC cannot be responsible for how these data are used or interpreted by the end user.

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Data: Town Boundary - MassGIS 2002; Roads - MHD/MassGIS 2005; Critical Facilities & Infrastructure - MEMA 2006 and MVC 2013; Inundation Areas - USACE 2013; Hurricane Track - NOAA; Flood Zone - FEMA Preliminary June 2013
Projection: Stateplane, MA Mainland, NAD83, Meters
File: cls_pdm; Chi_HurrSLOSH_2013_v2.mxd - Original in color



Town Center - No Critical Facilities Affected



Affected Critical Facilities

MVC ID	Site Name	Site Category	Hurricane Category
115	Chilmark Harbor Master	Harbor Master Office	2