

Cuttyhunk Church

MassCare Center

# Sea Level Rise

elevation data & accounting for MHHW

Sea Level Rise Scenarios: 1.5ft and 5ft Mean High High Water Present Average Offset from NAVD88 Datum = +1.0ft

A datum is a reference from which measurements are made. The datum indicates where zero is. For example, the top of a tree may be 30ft high from the ground but that same treetop is only 10ft high from the top of the neighboring rooftop.

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

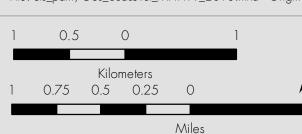
In 2010, LiDAR (Light Detection and Ranging) terrain data was collected along the coast of Martha's Vineyard and the Elizabeth Islands on behalf of FEMA. The data was processed by MassGIS into digital elevation models in geoTiff format. The elevation points, collected at 3ft spacing and two decimal point precision have a vertical accuracy of 0.47ft. The data exceed the required 1.19ft accuracy for 2ft contour generation.

The average offset between the MHHW tidal datum and the NAVD88 datum was calculated for the Island by the MVC. Values were reported by NOAA (online at their Tides & Currents page) for three Island tidal benchmarks:

To account for this MHHW to NAVD88 offset, the MVC added an additional 1 foot to the sea level rise scenarios.

Data provided are for planning purposes only. The data are not adequate for boundary determination or regulatory interpretation. The MVC cannot be responsible for how these data are used or

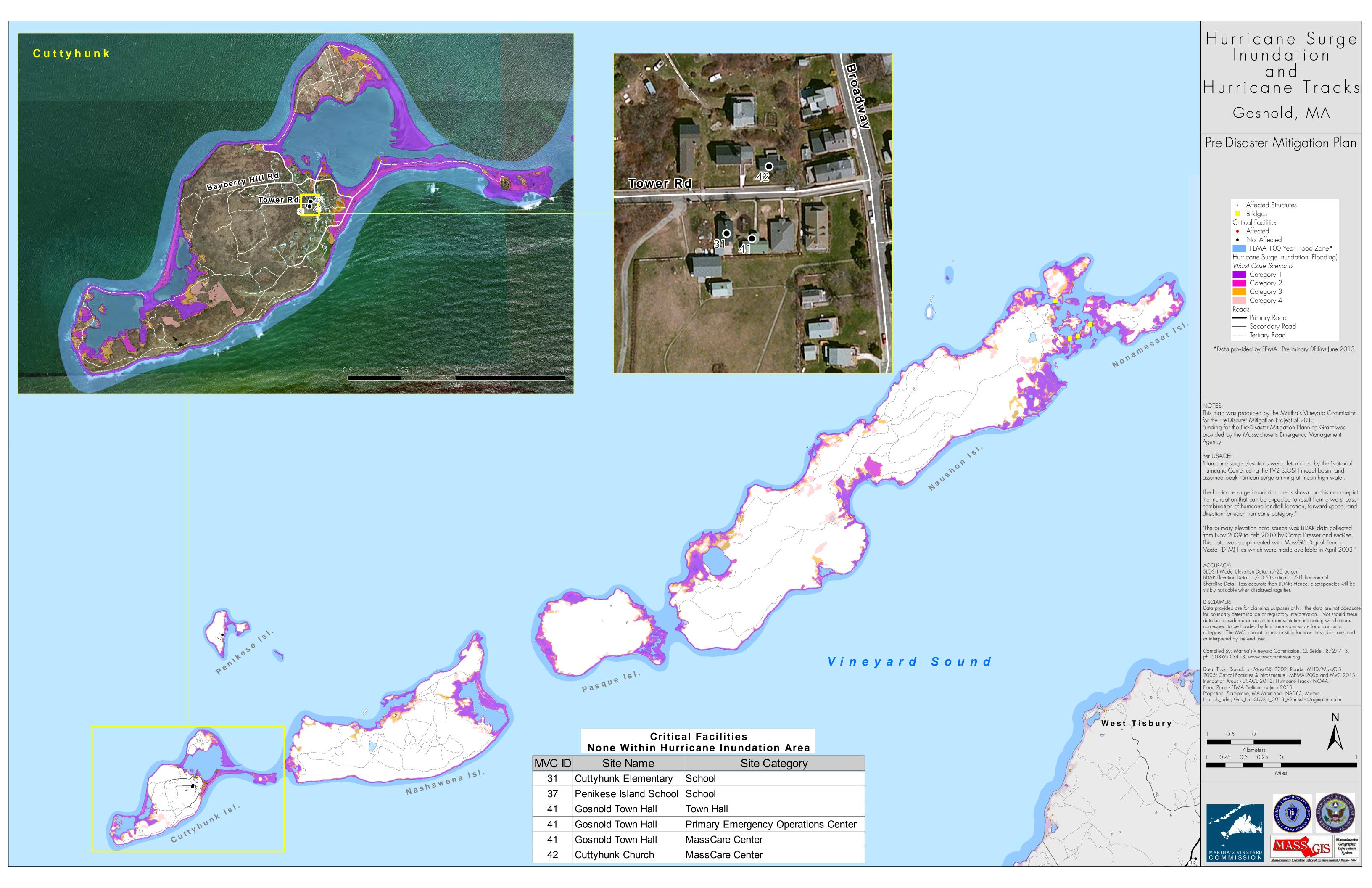
Compiled By: Martha's Vineyard Commission, CL Seidel, 11/25/13, ph. 508-693-3453, www.mvcommission.org
Data: Town Boundary - MassGIS 2002; Roads - MHD/MassGIS 2005; Critical Facilities & Infrastructure - MEMA 2006 & MVC 2013; LiDAR Elevation Data - FEMA 2010 & MassGIS 2012; Aerial Photo - 2011 DigitalGlobe All Rights Reserved; Structures - MassGIS 2013

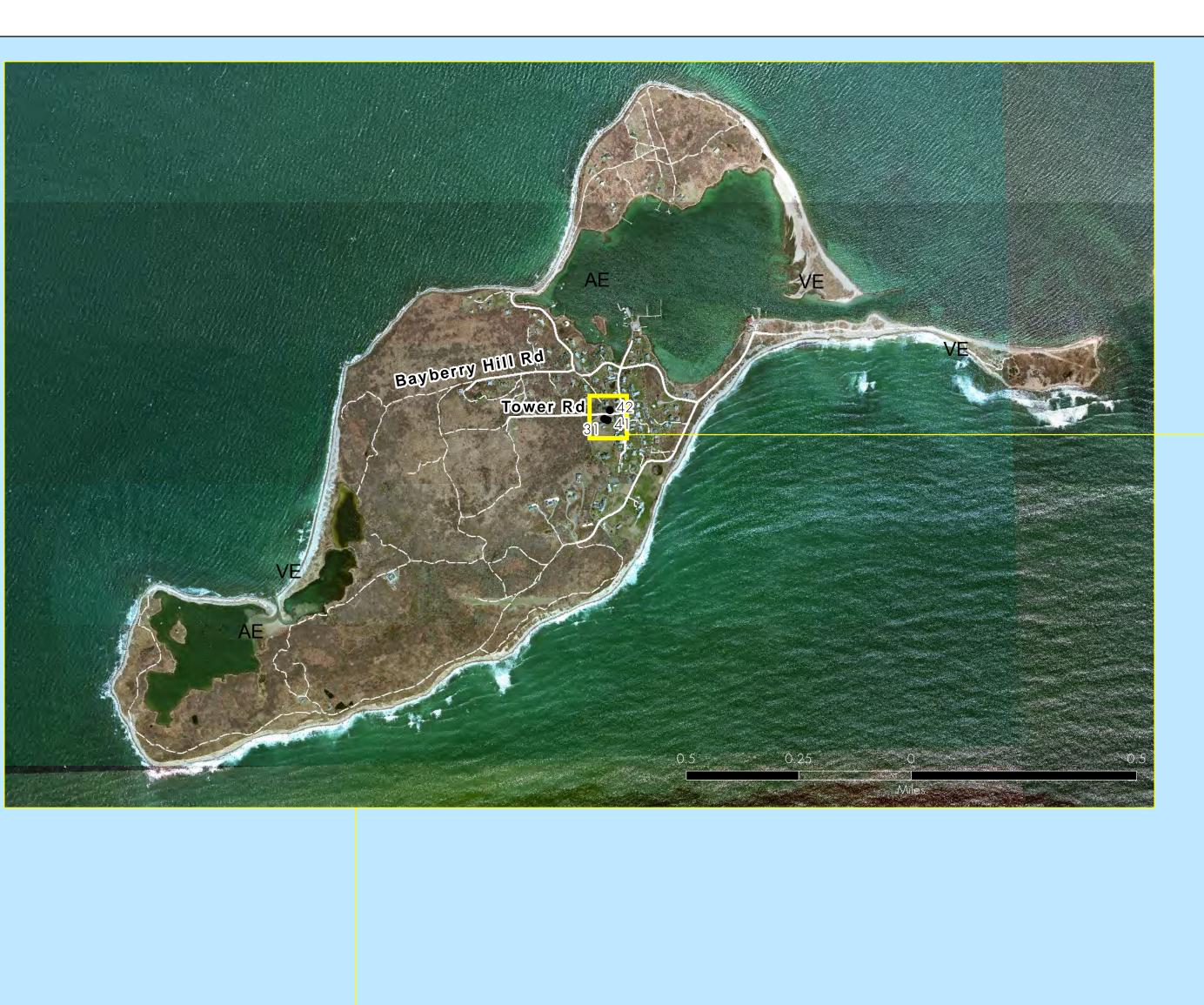










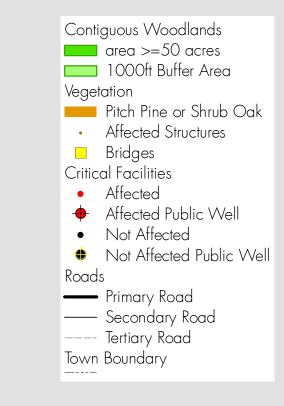




# Wildland Urban Interface

Gosnold, MA

Pre-Disaster Mitigation Plan



NOTES:
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Woodlands habitat was identified from the 2005 land use data from MassGIS. Non-forest land uses were buffered 250ft and the forest area that did not overlap the non-forest plus 250ft was retained. Those contiguous forest areas of 50 acres or more are represented in this data layer.

A structure is considered within the wildlife threat area if it is within a continguous 50 acre woodland area or within its 1000ft buffer area or within the existing pitch pine/shrub

West Tisbury

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Compiled By: Martha's Vineyard Commission, CL Seidel, 8/28/13, ph. 508-693-3453, www.mvcommission.org
Data: Town Boundary - MassGIS 2002; Roads - MHD/MassGIS 2005; Critical Facilities & Infrastructure - MEMA 2006 & MVC 2013; Woodlands - MassGIS 2005 & MVC 2013; Vegetation - TNC 2005; Structures - MassGIS 2011 (released 2013) & MVC 2013; Fire Lane - MVC 2005
Projection: Stateplane, MA Mainland, NAD83, Meters
File: cls\_pdm; Gos\_WildFire\_2013.mxd - Original in color



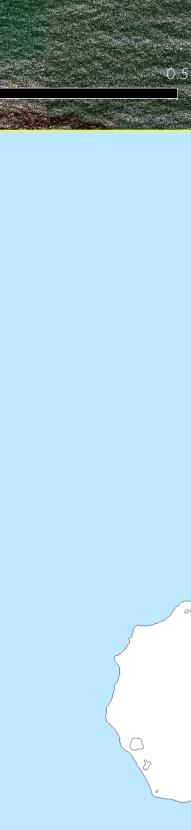






Vineyard Sound

MVC ID	Site Name	Site Category
31	Cuttyhunk Elementary	School
37	Penikese Island School	School
41	Gosnold Town Hall	Town Hall
41	Gosnold Town Hall	Primary Emergency Operations Center
41	Gosnold Town Hall	MassCare Center
42	Cuttyhunk Church	MassCare Center



Nashawena Isl.