



### LEGEND

<b>Hurricane Surge Inundation</b> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Category 1</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #008000; border: 1px solid black; margin-right: 5px;"></span> Category 2</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FFFF00; border: 1px solid black; margin-right: 5px;"></span> Category 3</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> Category 4</li> </ul>	<b>Facility Location Key</b> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Hospitals</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> Schools</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #0000FF; border: 1px solid black; margin-right: 5px;"></span> Police</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> Fire</li> </ul>
<b>Transportation</b> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #8B0000; border: 1px solid black; margin-right: 5px;"></span> Limited Access Highway</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> US Highways</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> State/Local Highways</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #CCCCCC; border: 1px solid black; margin-right: 5px;"></span> Local Road</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> Railroad</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Airport</li> </ul>	<b>Hydrographic Features</b> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Water</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Wetlands</li> </ul>
<b>Political</b> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; border-bottom: 2px solid black; margin-right: 5px;"></span> Town Boundary</li> <li><span style="display: inline-block; width: 15px; height: 15px; border-bottom: 2px solid black; margin-right: 5px;"></span> State Boundary</li> </ul>	

### NOTES & SOURCES

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 source of basemap transportation features such as roads and railroads is Tele Atlas 2009. The source of other basemap features are MassGIS.

The primary elevation data source was MassGIS Digital Terrain Model (DTM) files which were made available in April 2003. This data was supplemented with LiDAR data provided by the cities of Boston and Cambridge. The data was collected on November 9th & 10th, 2009. The area adjacent to the Amelia Earhart Dam was supplemented with LiDAR collected by Photo Science for USGS between late 2010 and early 2011.

### TITLE

Massachusetts Hurricane Evacuation Study  
 Hurricane Surge Inundation Mapping  
 March 2014  
 SOMERVILLE

0 1000 2000 Feet