NOTES & SOURCES

Hurricane surge elevations were determined by the National Hurricane Center using the Boston SLOSH model basins, 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 2008. The source of other basemap features is the Rhode Island Geographic Information System (RIGIS).

The horizontal projection of this map is Rhode Island State Plane MABE3 feet. All elevation data was referenced to the NAVD88 vertical datum.

The primary ground elevation data source was a photogrammetrically derived Digital Terrain Model created by the Rhode Island Department of Transportation (RIDOT). This data was supplemented with several other elevation data sources listed below.

-FEMA Map Mod LiDAR, portions of Washington County (Terrapin LLC, 2006)
-South Kingston, Cranston, and Charlestown Digital Terrain Models (EarthData International, 2001-2006)
-Providence Digital Terrain Model (Samson, 2004)
-Hampden and Middlesex Digital Terrain Models (Chai, H. Sells, Inc., 2005)
-UCER/FEMA/NOAA LiDAR (Fugro Pelagos, Inc., 2005)