

LEGEND

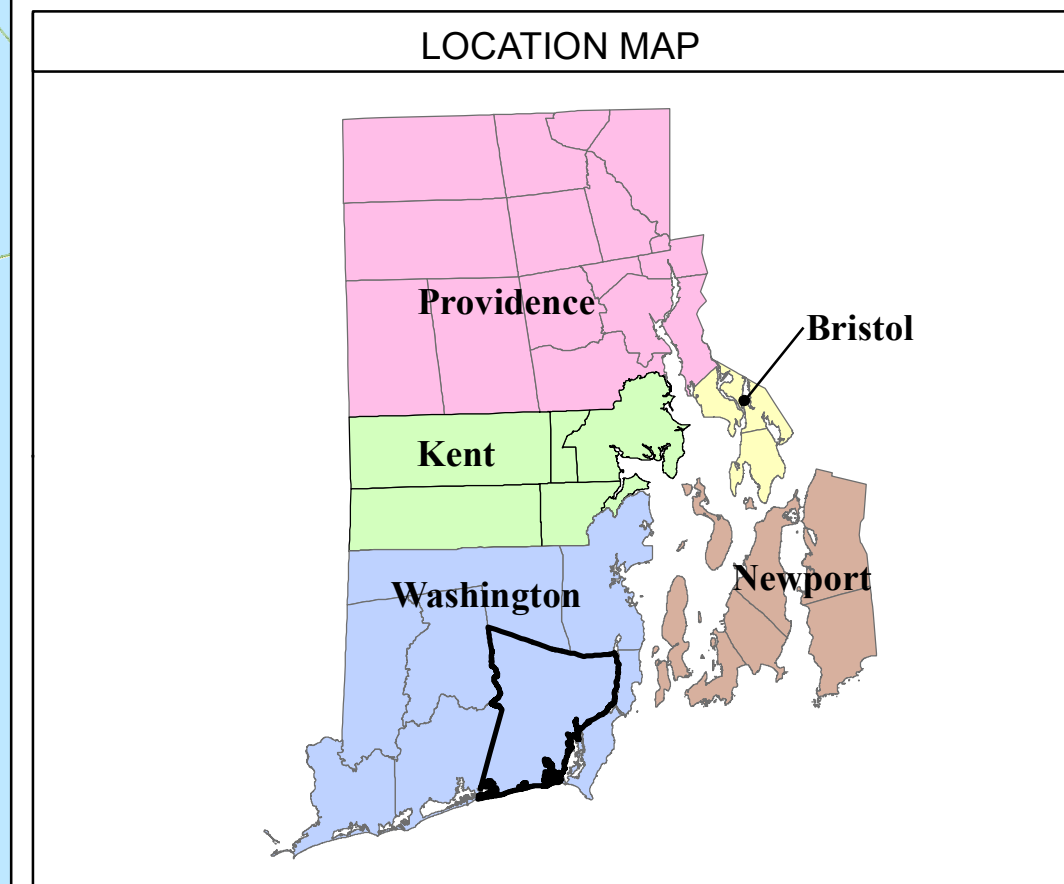
Hurricane Surge Inundation	Facility Location Key
Category 1	Public Shelter
Category 2	Medical/Institutional Facilities
Category 3	Mobile Home/Trailer Park
Category 4	Fire Station
FEMA 100 year flood zone	Police Station
Transportation	Pet Shelter
Limited Access Highway	Hydrographic Features
US Highways	Water
State/Local Highways	Wetlands
Local Road	Political
Railroad	Town Boundary
Airport	State Boundary

PUBLIC SHELTERS

1. BROAD ROCK MIDDLE SCHOOL
2. SOUTH KINGSTON HIGH SCHOOL
3. CURTIS CORNER MIDDLE SCHOOL

MEDICAL/INSTITUTIONAL FACILITIES

1. SCALLOP SHELL NURSING AND REHABILITATION
2. SOUTH COUNTY HOSPITAL
3. SOUTH KINGSTOWN NURSING REHABILITATION CENTER



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 (IGIS).

The horizontal projection of this map is Rhode Island State Plane NAD83 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 (Terrapoint LLC, 2006)
- South Kingstown, Cranston, and Charlestown Digital Terrain Models (EarthData International, 2001,2006)
- Providence Digital Terrain Model (Sanborn, 2004)
- Narragansett and Middletown Digital Terrain Models (Chas. H. Sells, Inc., 2005)
- ACE/FEMA/NOAA LiDAR (Fugro Pelagos, Inc., 2005)

TITLE

Rhode Island Hurricane Evacuation Study
Hurricane Surge Inundation Mapping
May 2009
South Kingstown

6,000 3,000 0 6,000 Feet

US Army Corps of Engineers
New England District

FEMA

NOAA