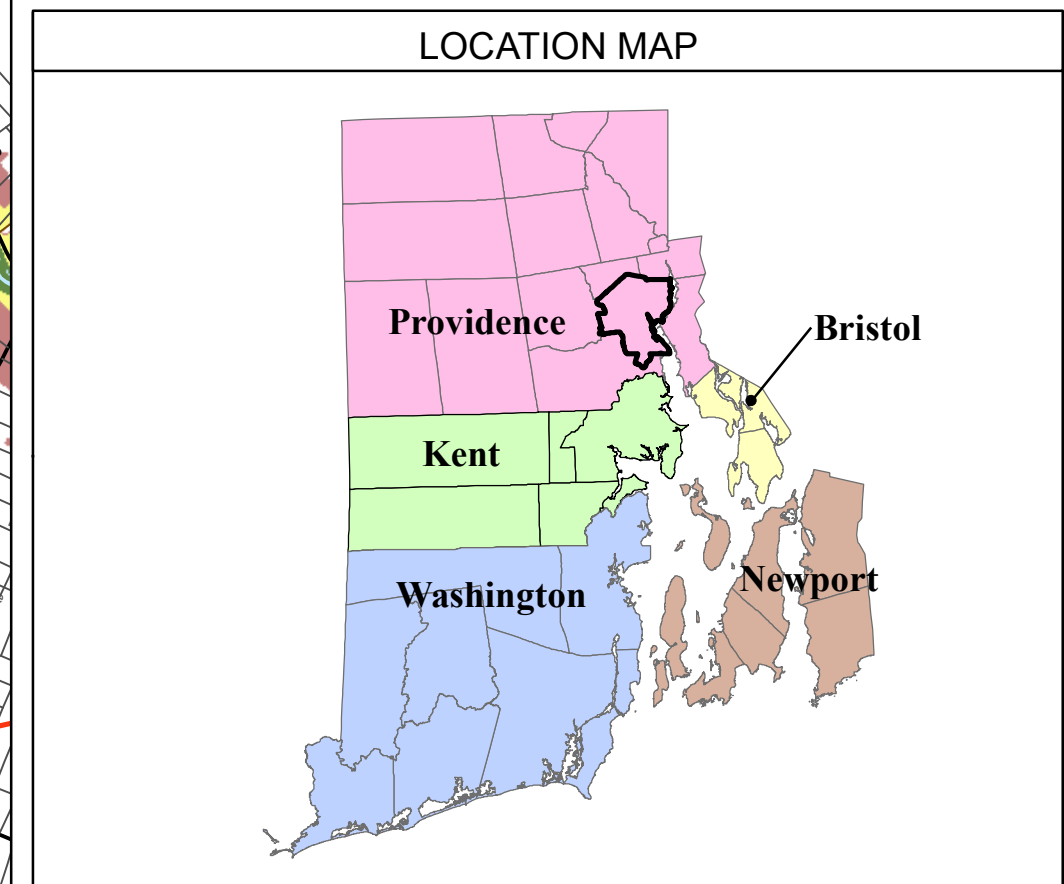


LEGEND

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	Hydrographic Features
Limited Access Highway	Water
US Highways	Wetlands
State/Local Highways	Political
Local Road	Town Boundary
Railroad	State Boundary
Airport	

NOTE: The Fox Point Hurricane Barrier project design hurricane tide is 19.7 feet NAVD88. The 2009 SLOSH model results used for this mapping show a worst case category 3 hurricane surge elevation of 20.2 feet NAVD88 at this location, and a worst case category 4 hurricane surge elevation of 26.7 feet NAVD88 at this location.



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 Kingston, 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)

- 1 PUBLIC SHELTERS**
 - 1. ALFRED LIMA SENIOR ELEMENTARY
 - 2. B JAE CLANTON SCHHOL
 - 3. CENTRAL HIGH SCHOOL
 - 4. CHARLES FORTES ELEMENTARY
 - 5. CHRISTOPHER SESTO MIDDLE SCHOOL
 - 6. CLASSICAL HIGH SCHOOL
 - 7. DR MARTIN L KING JR
 - 8. GEORGE J WEST SCHOOL
 - 9. GILBERT STUART SCHOOL
 - 10. MOUNT PLEASANT HIGH SCHOOL
 - 11. NATHANAEAL GREENE
 - 12. OLIVER H PERRY SCHOOL
 - 13. PLEASANT VIEW SCHOOL
 - 14. ROBERT F KENNEDY
 - 15. ROBERT L. BAILEY IV
 - 16. ROGER WILLIAMS
 - 17. SAMUEL W BRIDGHAM
- 1 MEDICAL/INSTITUTIONAL FACILITIES**
 - 1. BANNISTER HOUSE INC
 - 2. BERKSHIRE PLACE
 - 3. BETHANY HOME OF RHODE ISLAND
 - 4. CHARLESGATE NURSING CENTER
 - 5. ELMHURST EXTENDED CARE FACILITY
 - 6. ELMWOOD HEALTH CENTER
 - 7. EPOCH SENIOR HEALTH CARE
 - 8. HALLWORTH HOUSE
 - 9. PARK VIEW NURSING HOME
 - 10. RHODE ISLAND & HASBRO CHILDRENS HOSPITAL
 - 11. ROGER WILLIAMS MEDICAL CENTER
 - 12. ST. JOSEPH'S HOSPITAL
 - 13. STEERE HOUSE NURSING & REHABILITATION CENTER
 - 14. SUMMIT COMMONS SKILLED NURSING AND REHAB CENTER
 - 15. THE MIRIAM HOSPITAL
 - 16. TOCKWOTTON HOME
 - 17. WOMEN & INFANTS HOSPITAL

TITLE

Rhode Island Hurricane Evacuation Study
Hurricane Surge Inundation Mapping
May 2009
Providence

4,000 2,000 0 4,000 Feet

US Army Corps of Engineers
New England District

FEDERAL EMERGENCY MANAGEMENT AGENCY
FEMA

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NOAA