LEGEND

Hurricane Surge Inundation

- Category 1
- Category 2
- Category 3
- Category 4
- FEMA 100 year flood zone

Facility Location Key

- Public Shelter
- Medical/Institutional Facilities
- Mobile Home/Trailer Park
- Fire Station
- Police Station

Transportation

- Limited Access Highway
- US Highways
- State/Local Highways
- Local Road
- Railroad
- Airport

Hydrographic Features

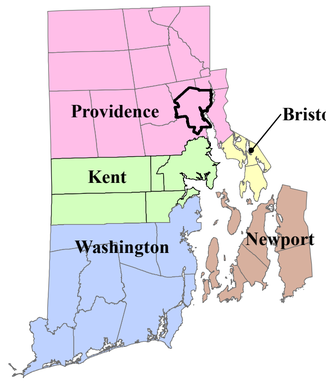
- Water
- Wetlands

Political

- Town Boundary
- State Boundary

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.

LOCATION MAP



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. NATHANAEL 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

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 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)

TITLE

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

Feet
4,000 2,000 0 4,000

US Army Corps of Engineers®
New England District

FEMA