Mapping Assets Vulnerable to Sea Level Rise
North Kingstown, RI

Building Blocks for Climate Change Adaptation:
Tools for Community Assessment and Planning

Prepared by:
Rhode Island Sea Grant College Program
University of Rhode Island Environmental Data Center

May 2011
Map Key

Inundation Zones
- Mean Higher High Water (MHHW)
- MHHW plus 1’ Sea Level Rise (SLR)
- MHHW plus 3’ SLR
- MHHW plus 1’ SLR and 3’ Storm Surge
- MHHW plus 5’ SLR
- Hurricane 1938 Flood Level

Real Property
- Structure Location, E-911
- Flooded Structure
- Parcel Boundary*
- Flooded Parcel

Infrastructure
- Pump Station
- Public Works
- Sewer Line
- Wastewater Treatment

PUBLIC SAFETY
- Fire Station
- Mobile Communication
- Police Station
- Police Station, State
- Emergency Station

TRANSPORTATION
- Bridge
- Culvert*
- RIPTA Bus Stop
- RIPTA Park-n-Ride

ROADS
- Major
- Minor
- Evacuation Route
- Railroad

FACILITIES
- Historic District*
- Library
- Marina
- Commercial/Recreational Port or Harbor
- School
- Senior Center
- Town Hall and Annex

NATURAL AREAS
- Hydrograph
  - Lake or Pond
  - Stream
  - Wellhead Protection

LAND COVER
- Wetland
- Forest/Brushland

Mean Higher High Water (MHHW): The arithmetic average of the elevations of the Higher High Waters of a Mixed Tide.

* -- Denotes data provided by the town of North Kingstown. All additional data provided by RIGIS unless otherwise noted.

Project Supporters

Sea Grant Rhode Island
RIGIS - R.I. Geographic Information System
State of Rhode Island Department of Administration
R.I. Coastal Resources Management Council
URI Coastal Resources Center
Town of North Kingstown
URI Environmental Data Center
R.I. Emergency Management Agency
The University of Rhode Island
The Nature Conservancy
R.I. Coastal Resources Center
North Kingstown Vulnerability Analysis:
Real Property

Inundation Zones
- Mean Higher High Water (MHHW)
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- MHHW plus 5' SLR
- Hurricane of 1938 Surge Height

Property Type
- Structure Location
- Flooded Structure
- Flooded Parcel

Coordinate System: Rhode Island State Plane
Datum: North American 1983
Units: U.S. Feet

Map Date: 2011-06-13

Map A3
North Kingstown Vulnerability Analysis: Real Property

Inundation Zones:
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Map B3
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Map Date: 2011-06-13

Coordinate System: Rhode Island State Plane
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1:10,000
North Kingstown Vulnerability Analysis:
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Map C3
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Map Date: 2011-06-13

Coordinate System: Rhode Island State Plane
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Map D1

Scale: 1:10,000

0 500 1,000 1,500 2,000 Feet
0 100 200 300 400 500 Meters
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Map D2
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Map E2
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Map F1
North Kingstown Vulnerability Analysis: Real Property

Map F2

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Map G1
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Map H1
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Map H2
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1:10,000
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Map I1
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Map 12
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Map J1

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Map J 3