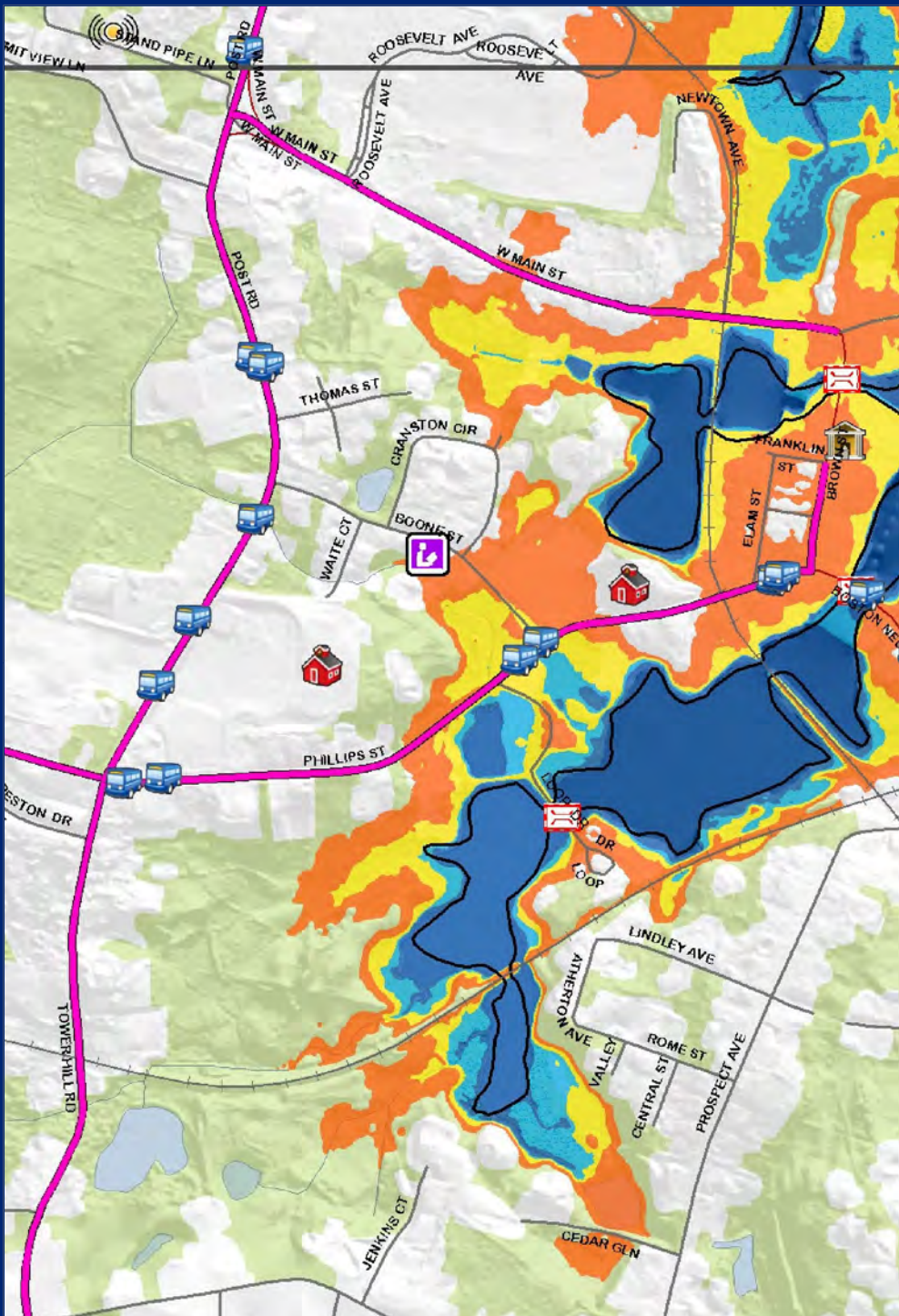


Mapping Assets Vulnerable to Sea Level Rise North Kingstown, RI



**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

MEAN HIGHER HIGH WATER (MHHW): The arithmetic average of the elevations of the HIGHER HIGH WATERS of a MIXED TIDE.

Public Safety

-  Fire Station
-  Mobile Communication
-  Police Station
-  Police Station, State
-  Emergency Shelter

Transportation

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

Roads

-  Major
-  Minor
-  Evacuation Route
-  Railroad

Facilities

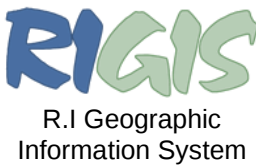
-  Historic District*
-  Library
-  Marina
-  Commercial/Recreational Port or Harbor
-  School
-  Senior Center
-  Town Hall and Annex

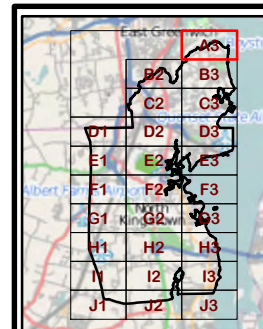
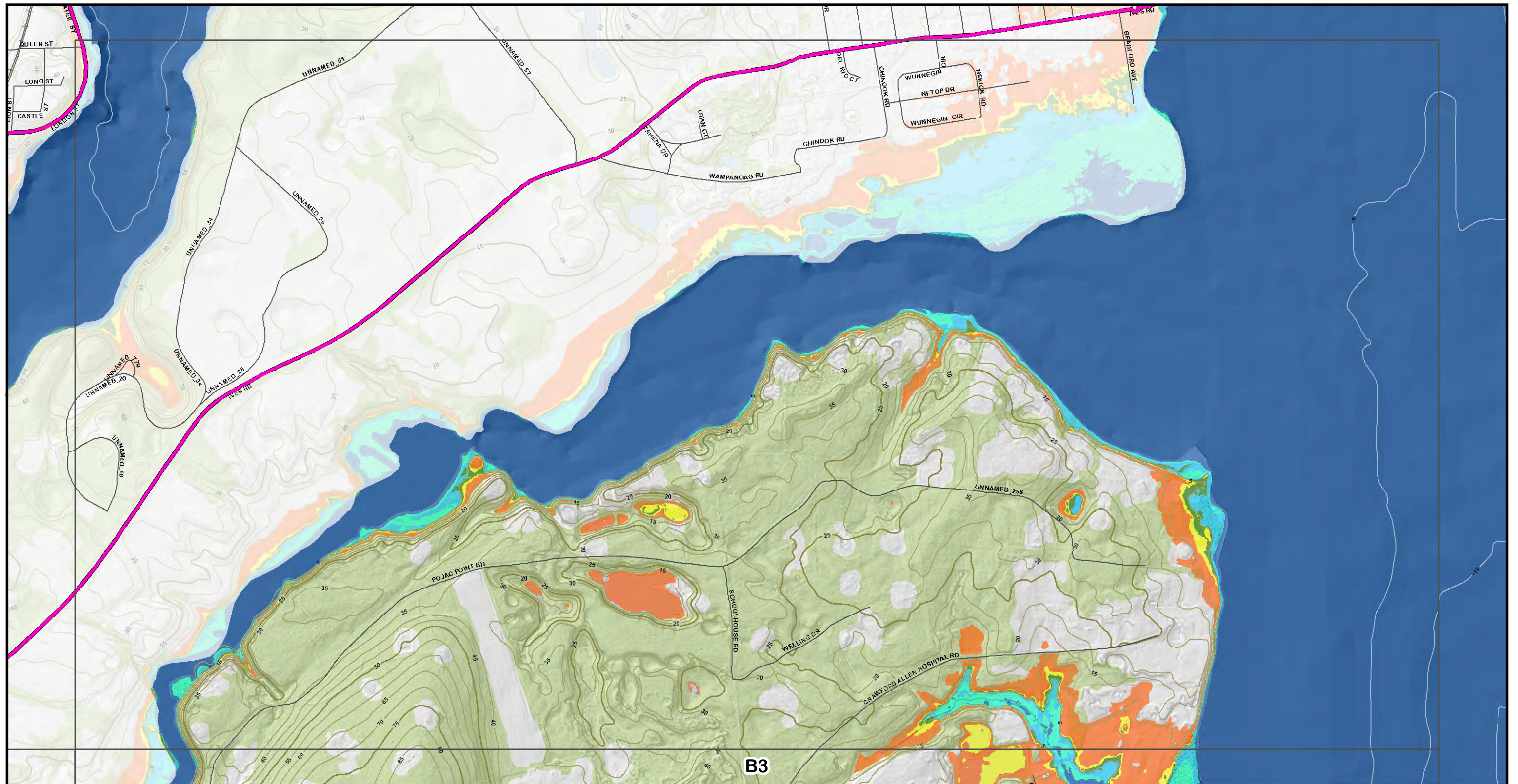
Natural Areas

-  Lake or Pond
-  Stream
-  Wellhead Protection
-  Wetland
-  Forest/Brushland

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

Project Supporters





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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

Inundation Zones

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-  MHHW plus 5' SLR
-  Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

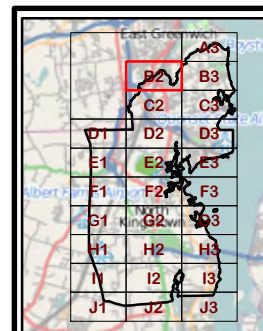
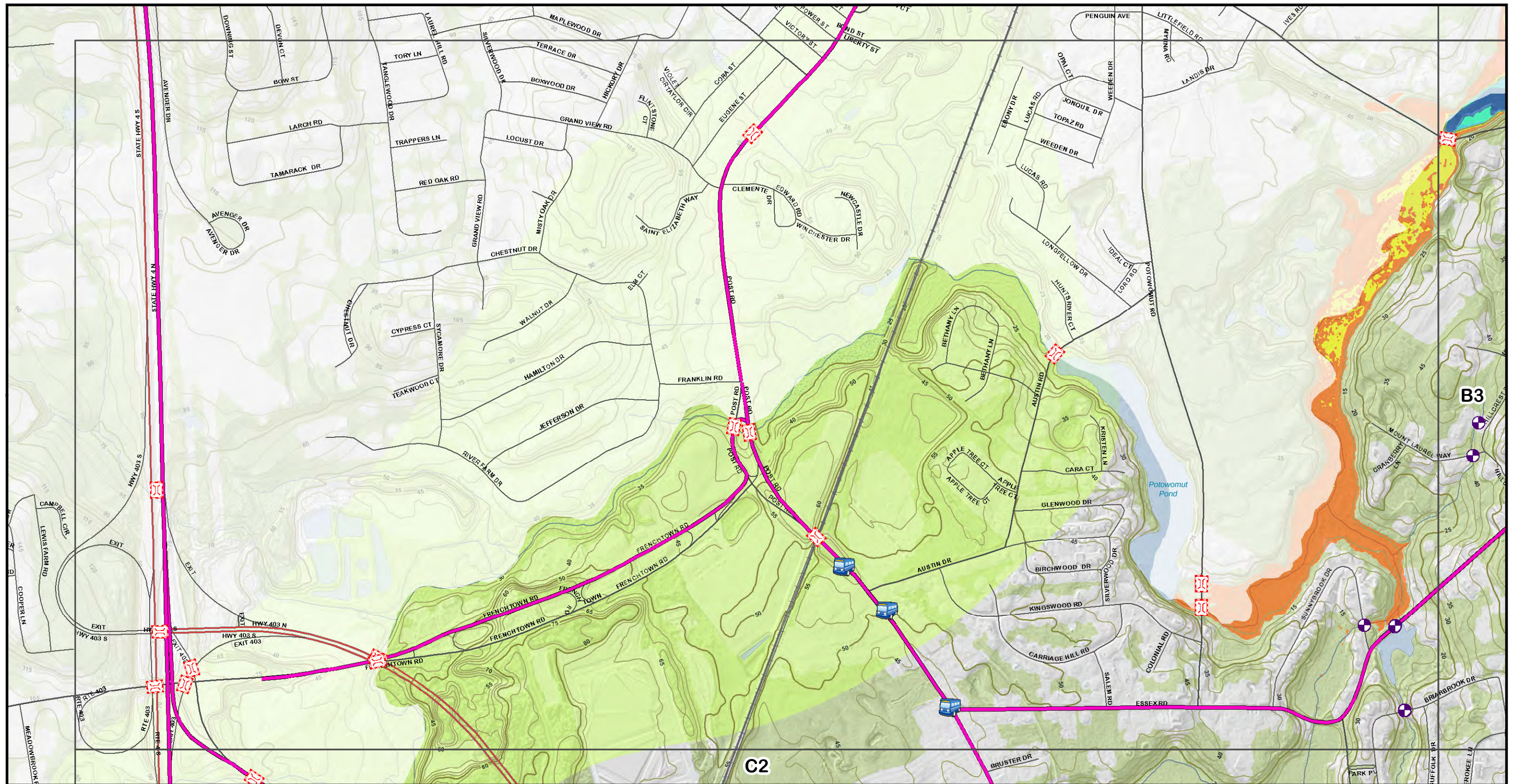


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Map A3



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

Inundation Zones

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- MHHW plus 5' SLR
- Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

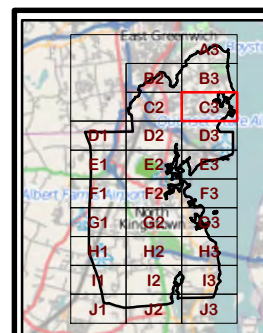
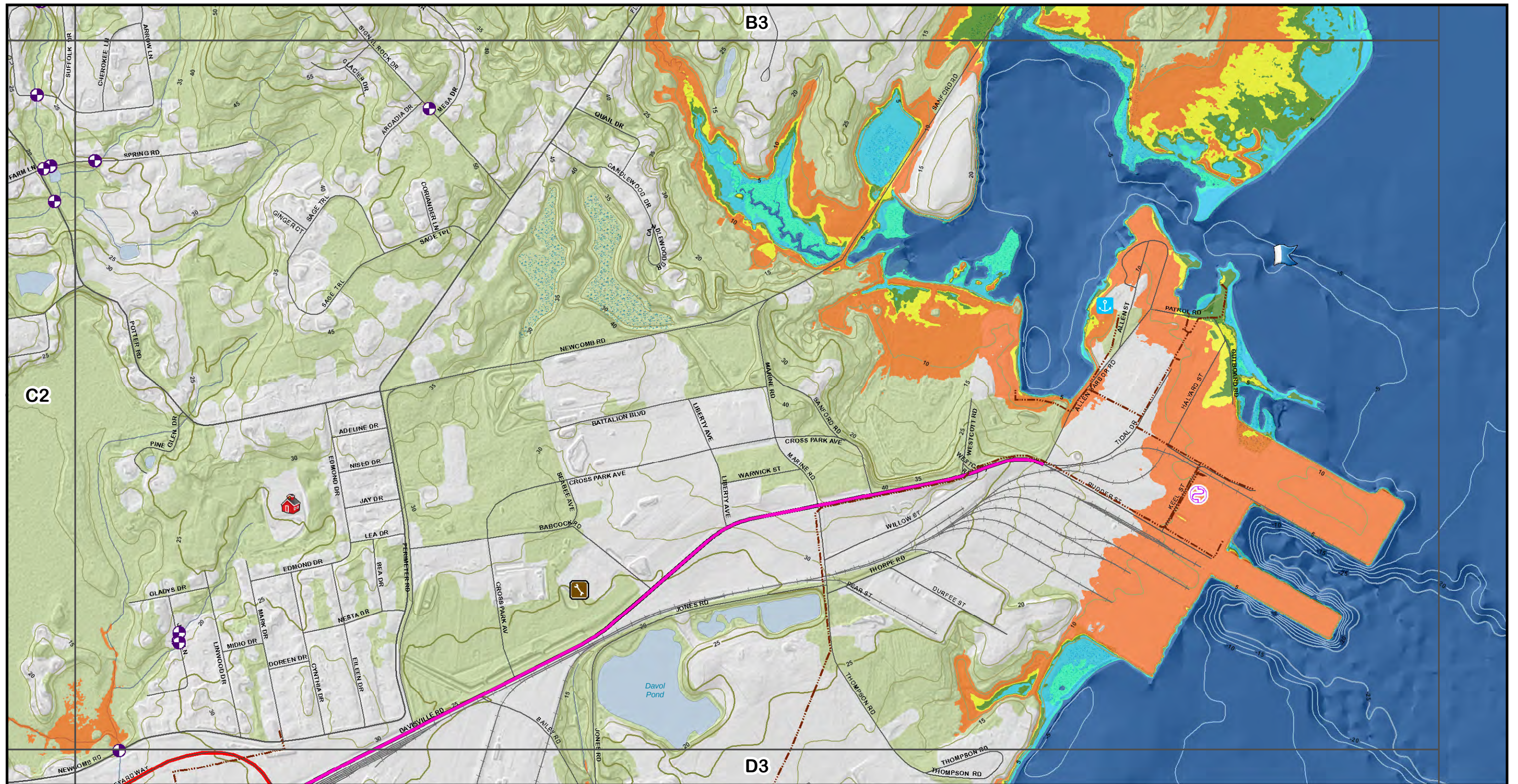


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Map B2



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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- MHHW plus 5' SLR
- Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

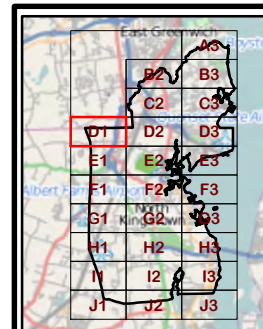
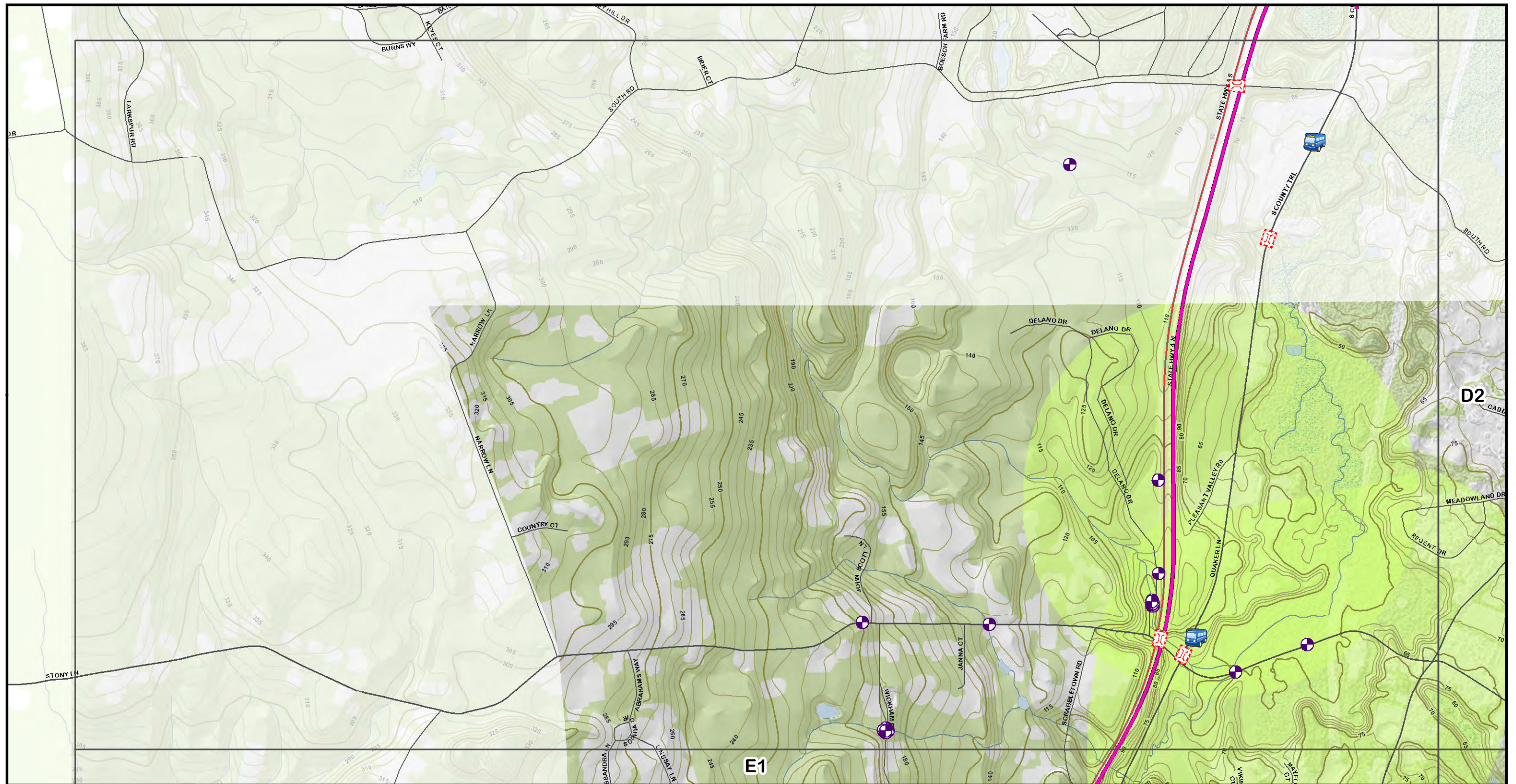


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Map C3



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

Inundation Zones

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

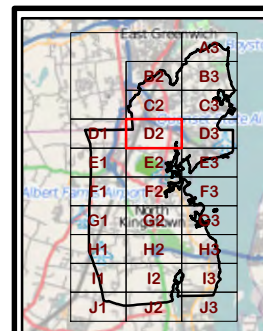
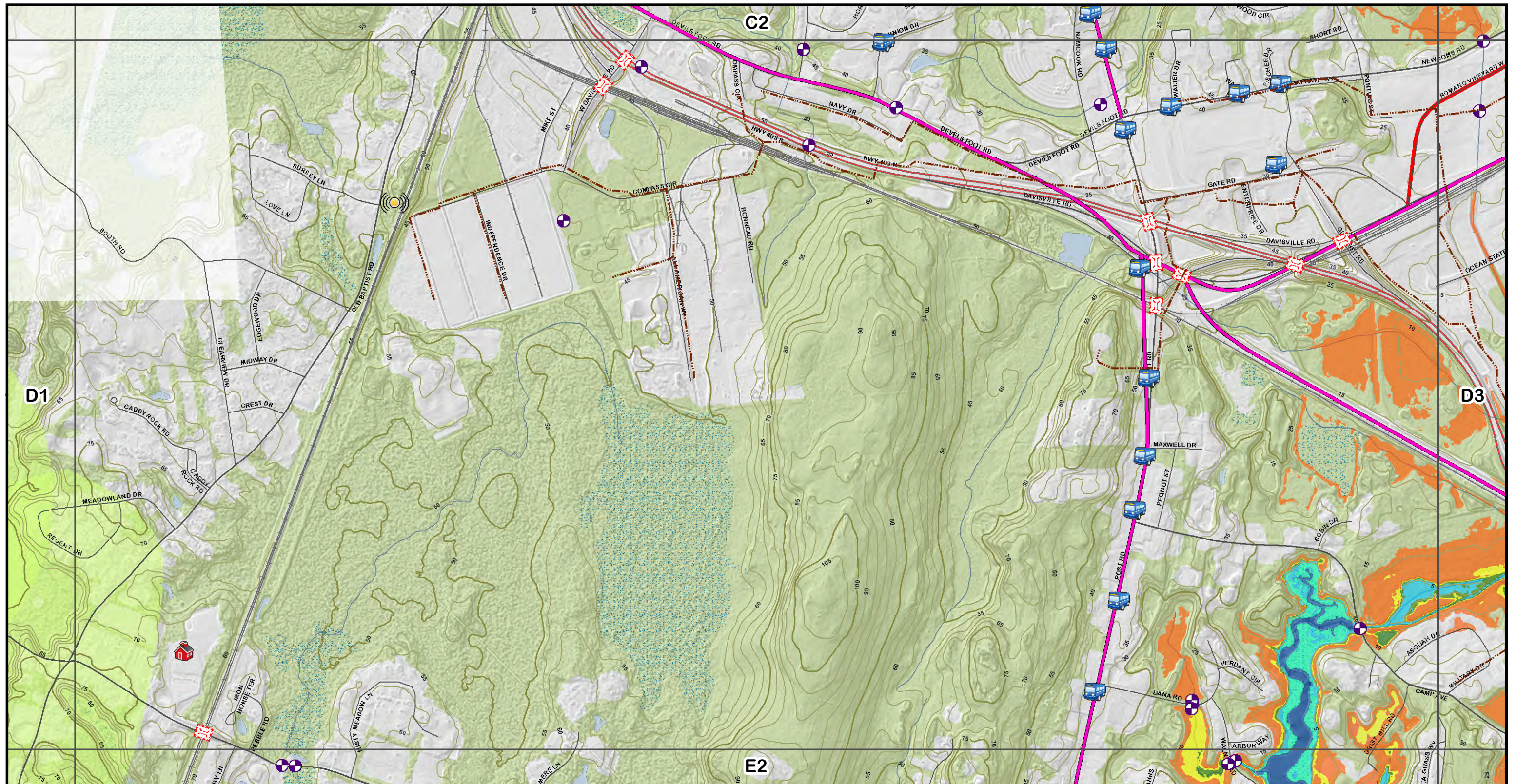


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Map D1



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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- Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

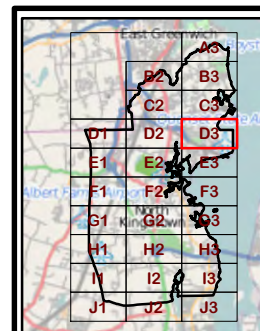
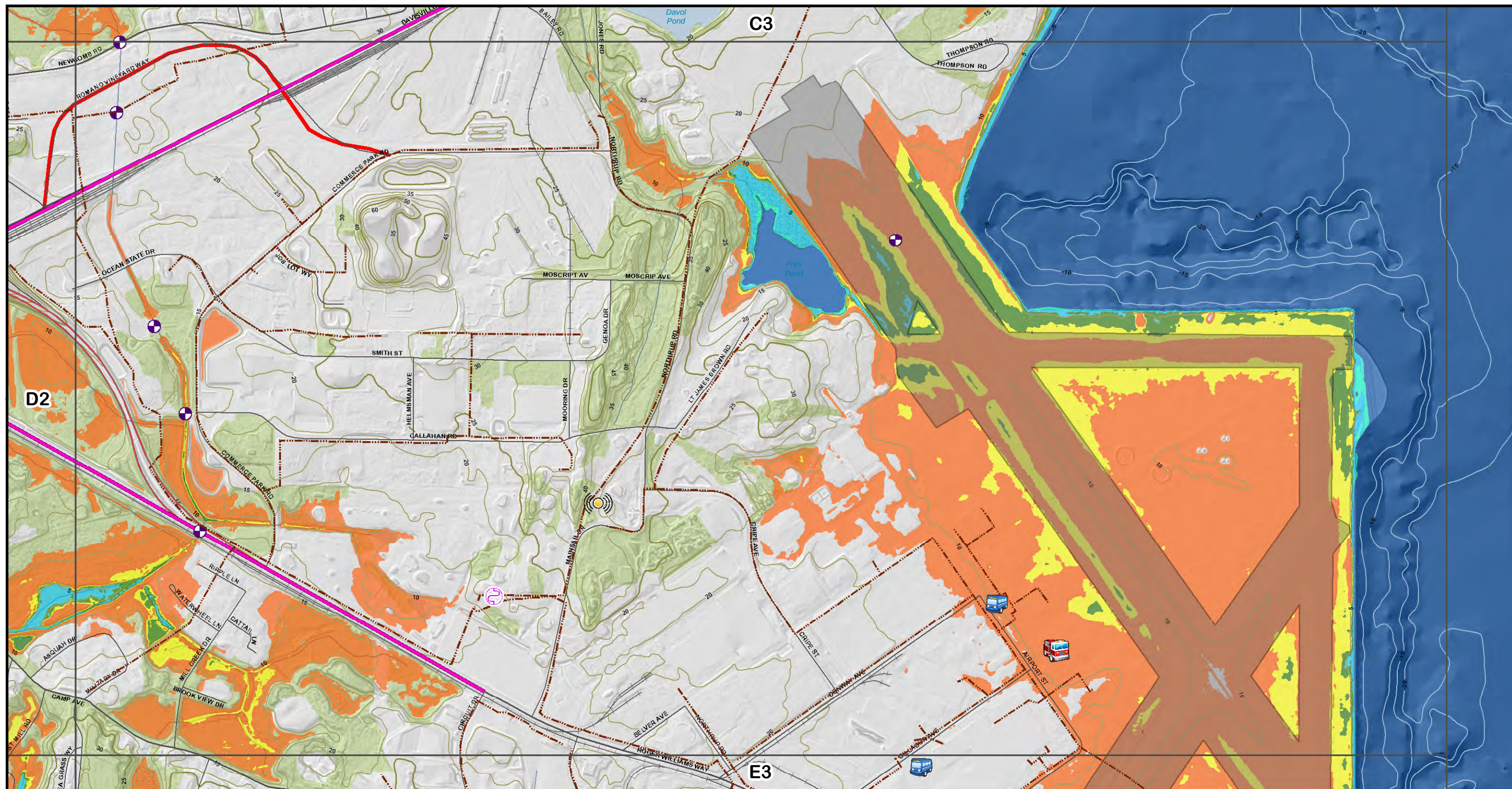


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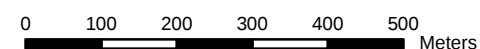
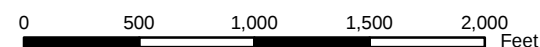


Map D2



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

1:10,000



Map Date: 2011-06-13

Inundation Zones

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

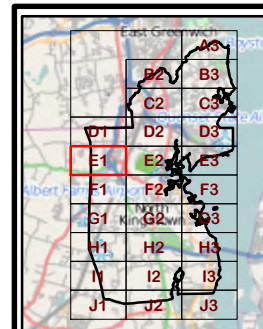
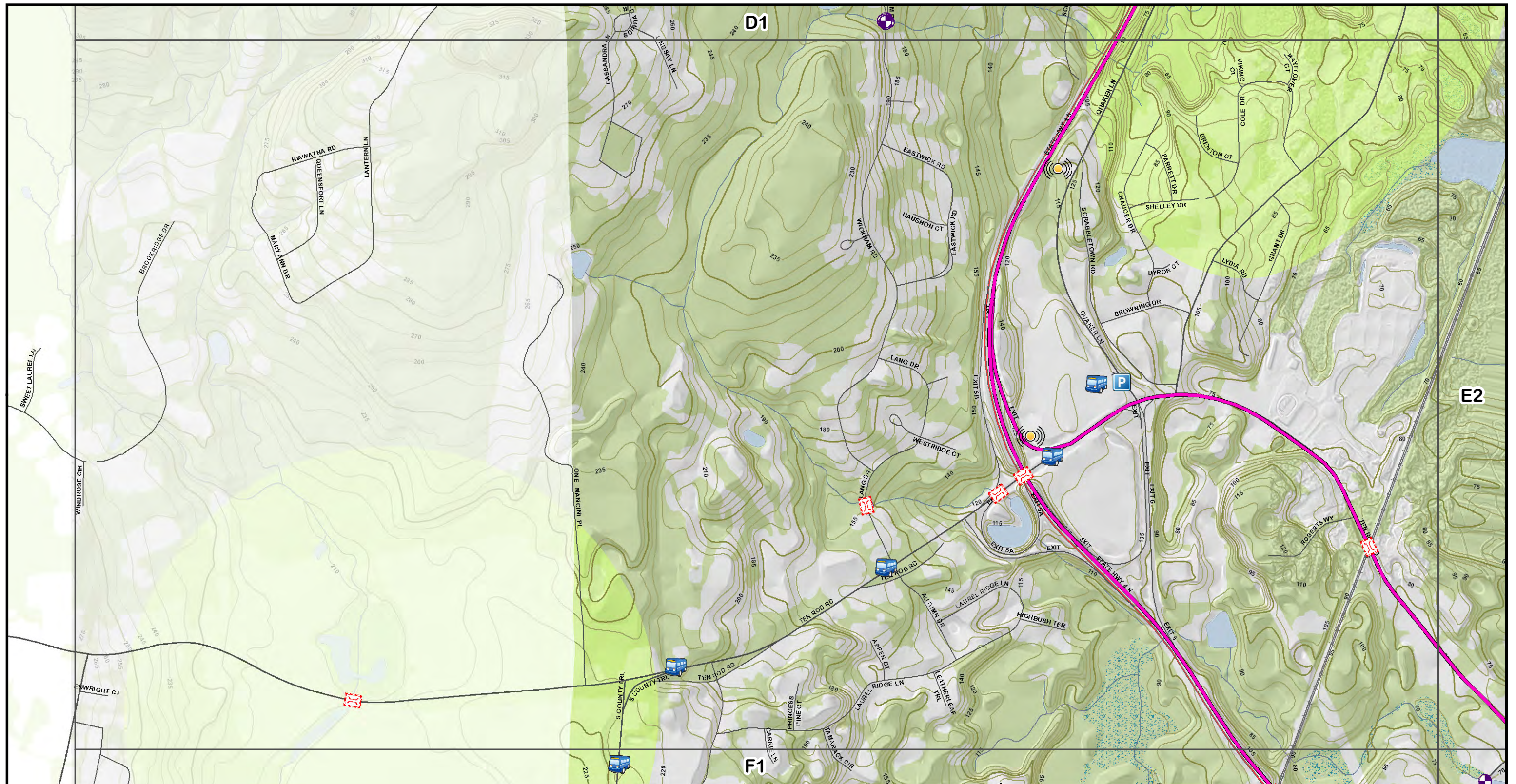


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Map D3



Coordinate System: Rhode Island State Plane
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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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- Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

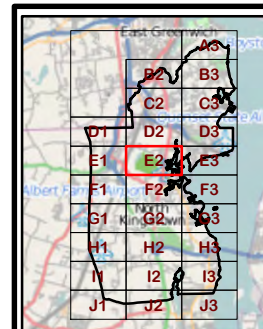
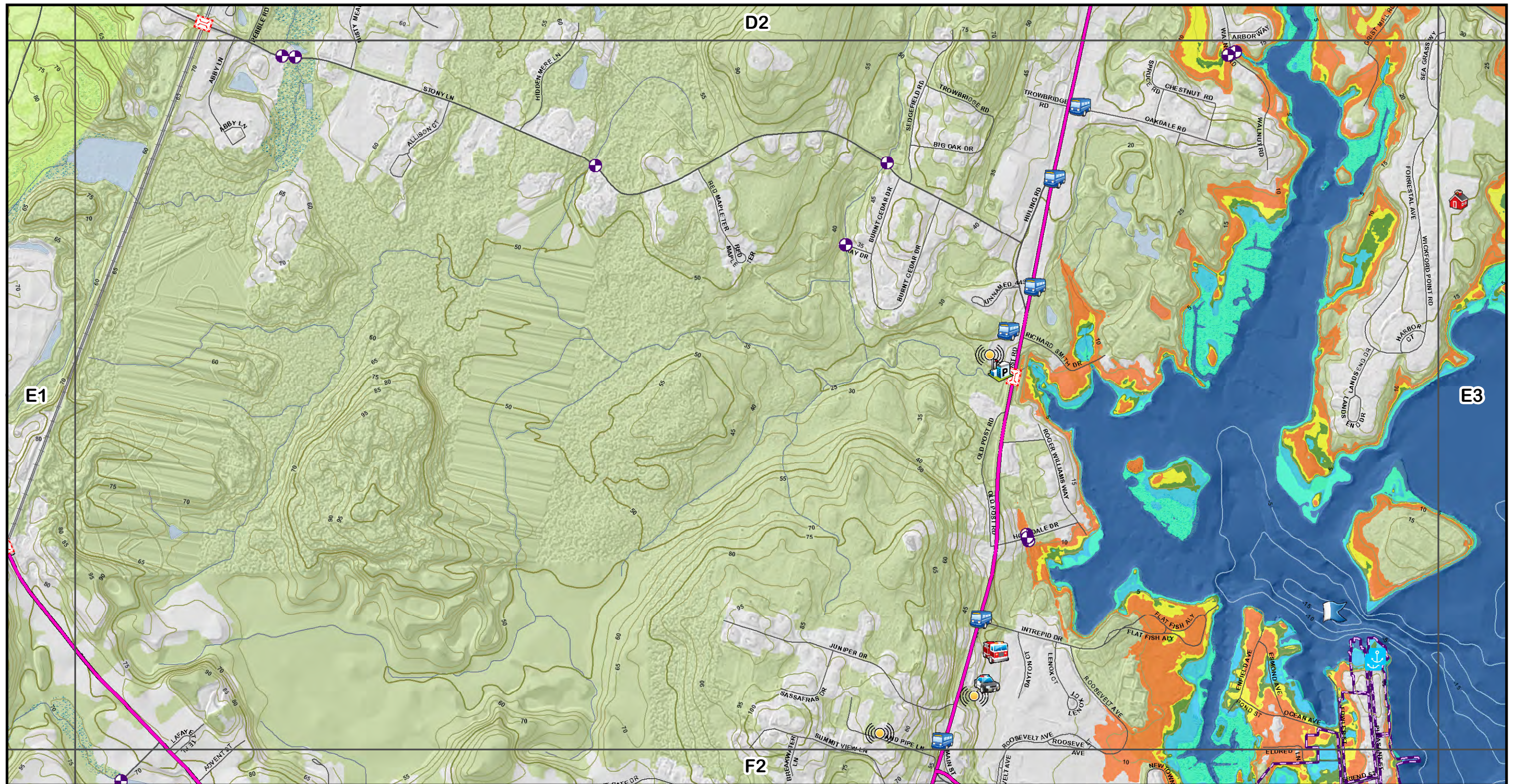


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Map E1



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

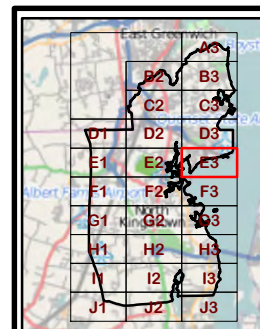
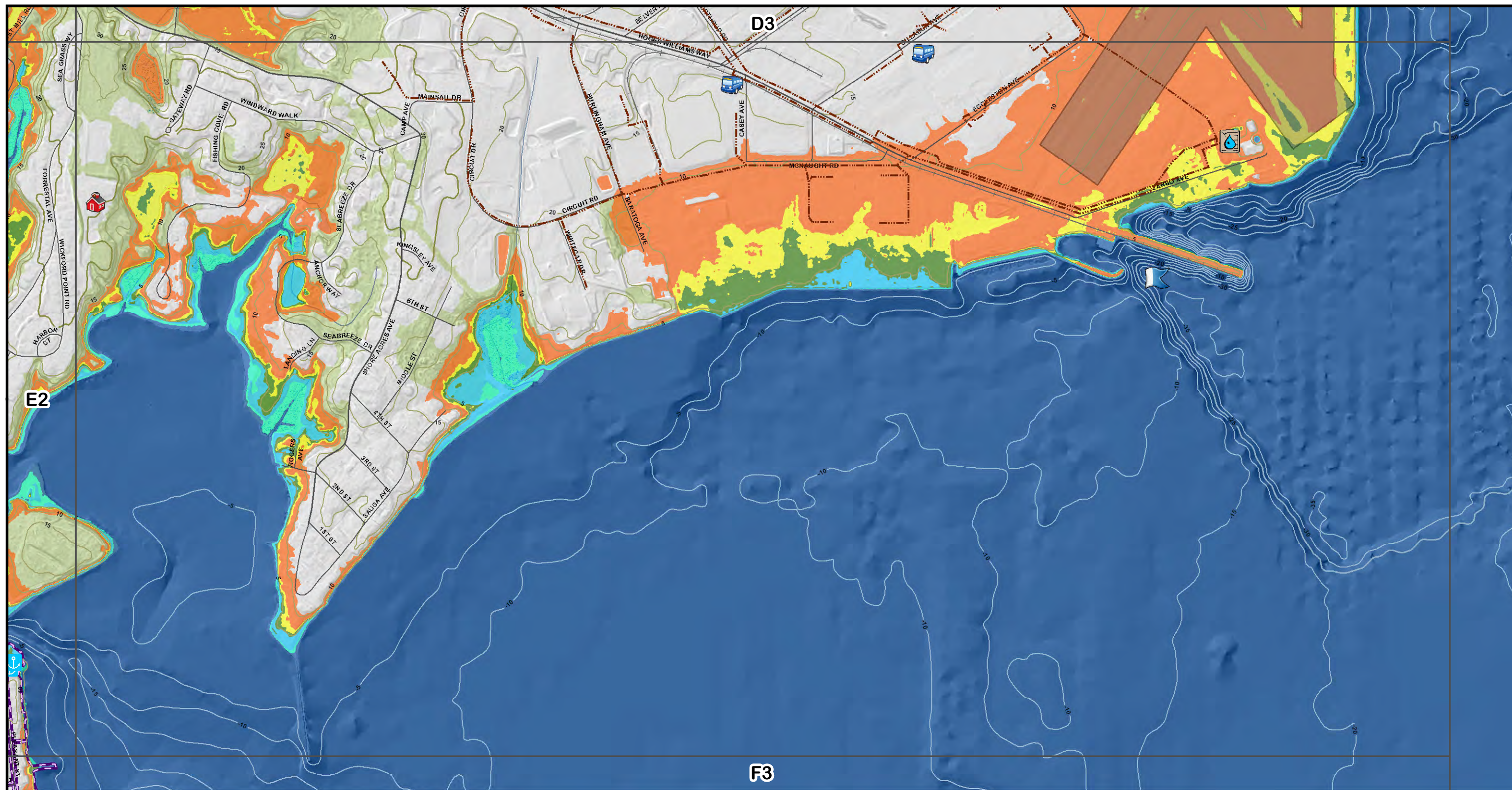


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Map E2



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

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0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

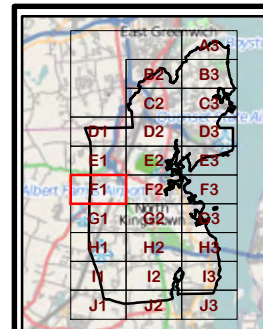
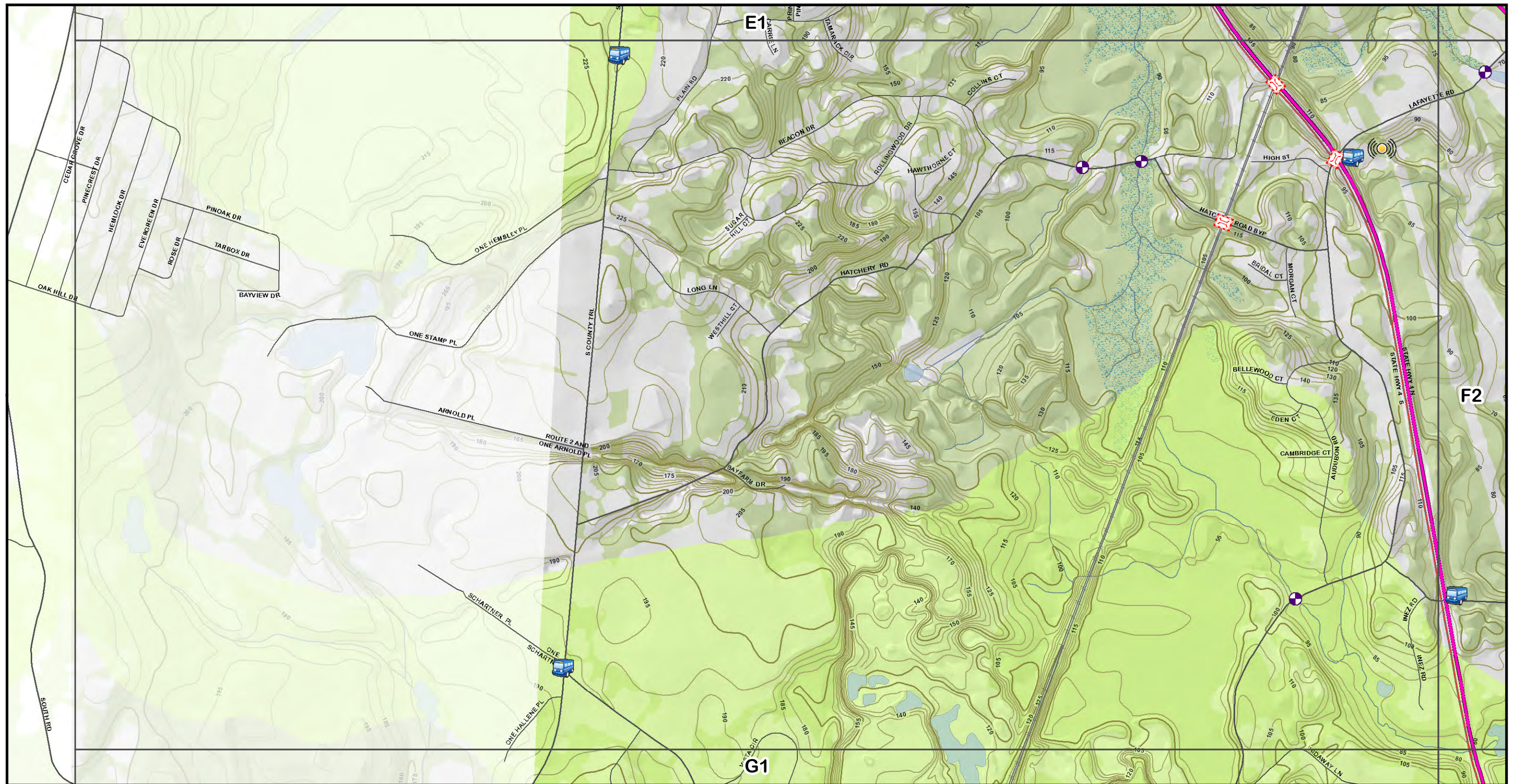


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Map E3



Coordinate System: Rhode Island State Plane
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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

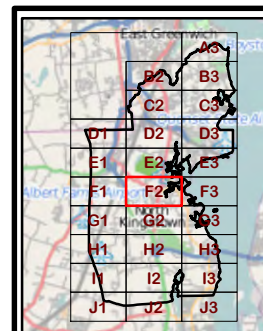
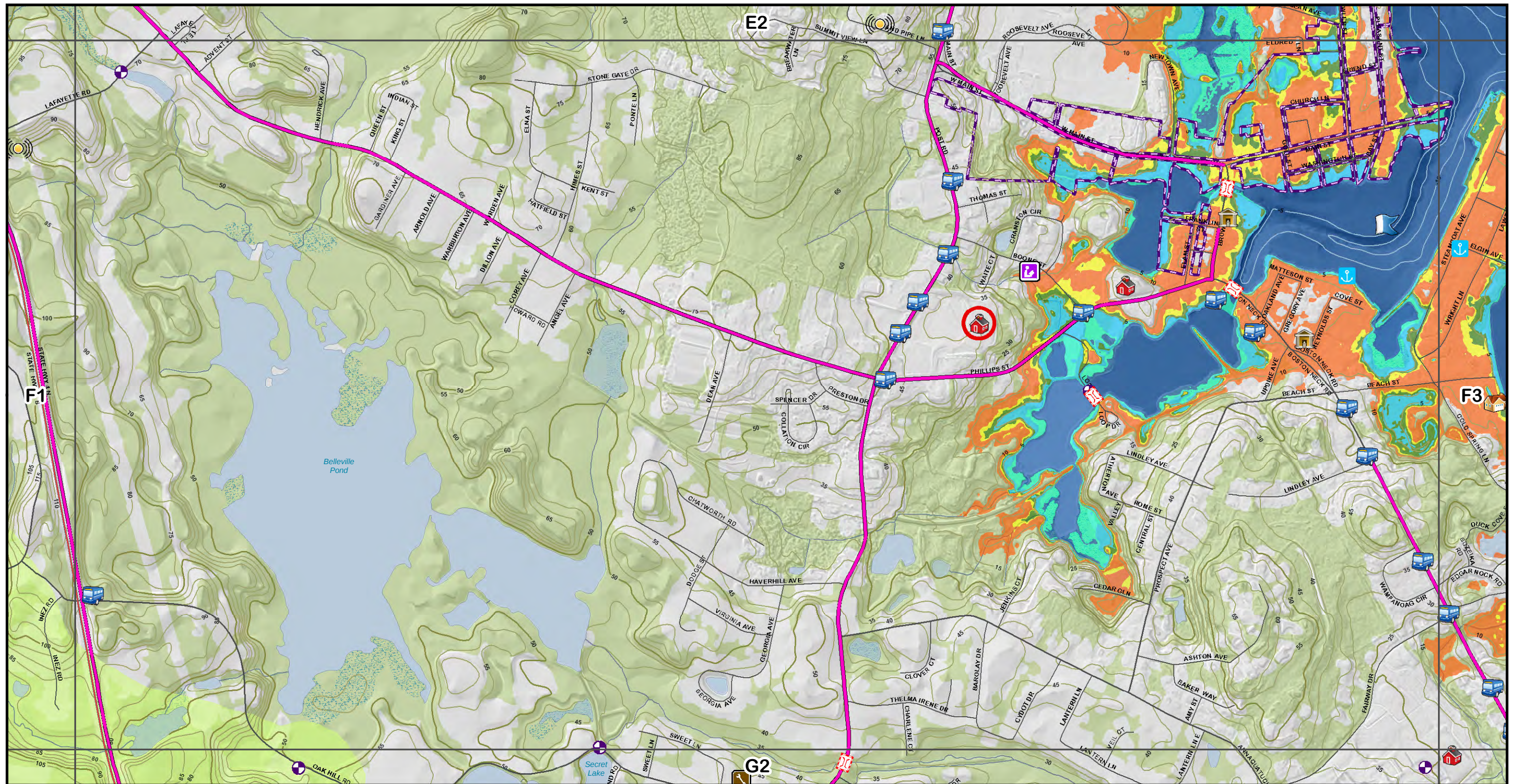
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North Kingstown Vulnerability Analysis: Facilities and Infrastructure



Map F1



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

Inundation Zones

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- MHW plus 5' SLR
- Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

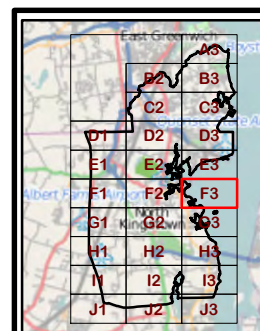
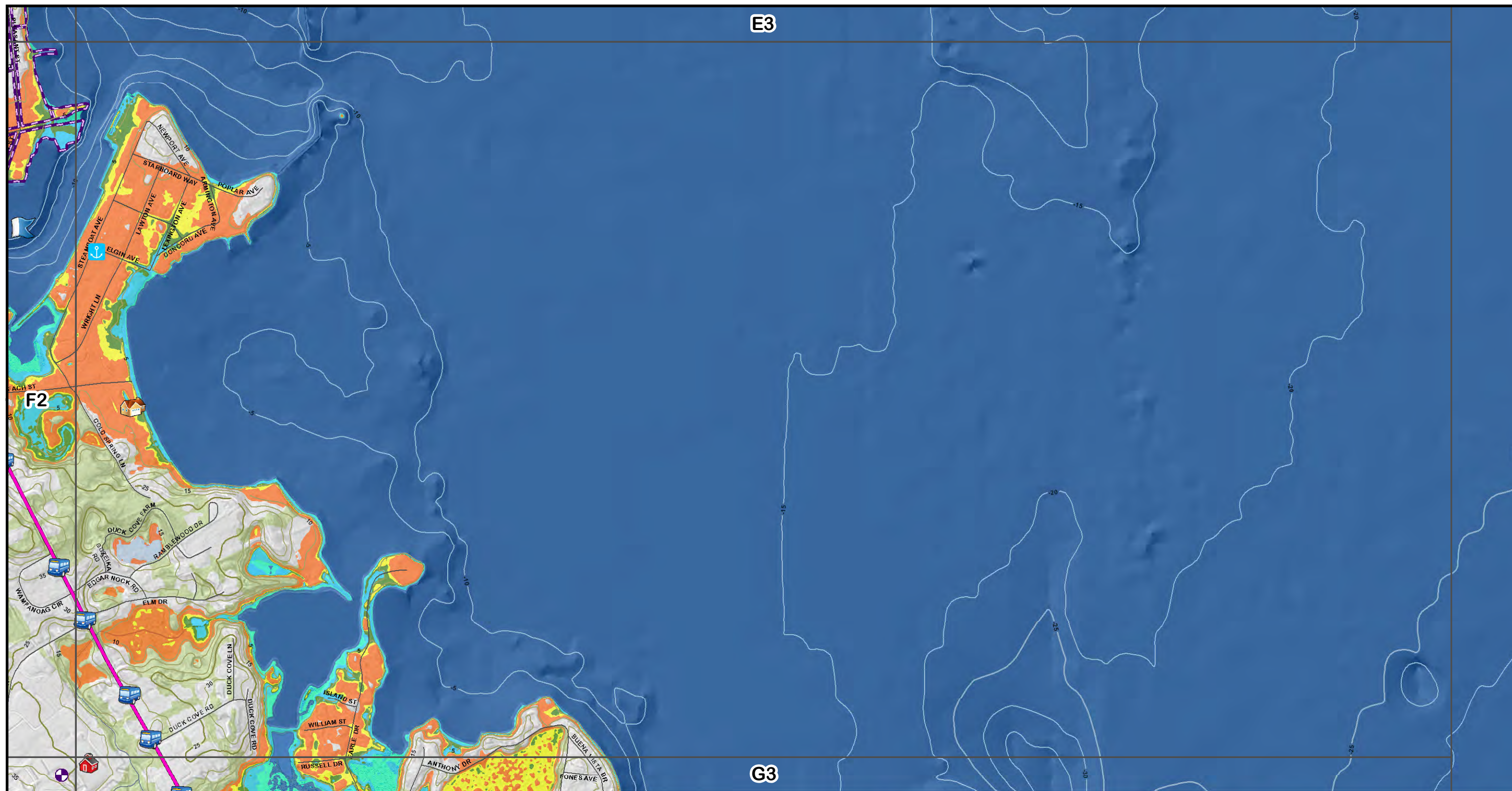


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Map F2



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

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0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

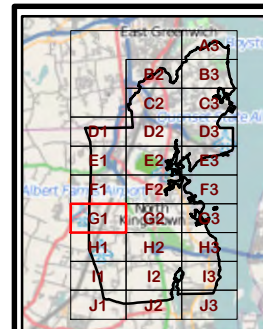
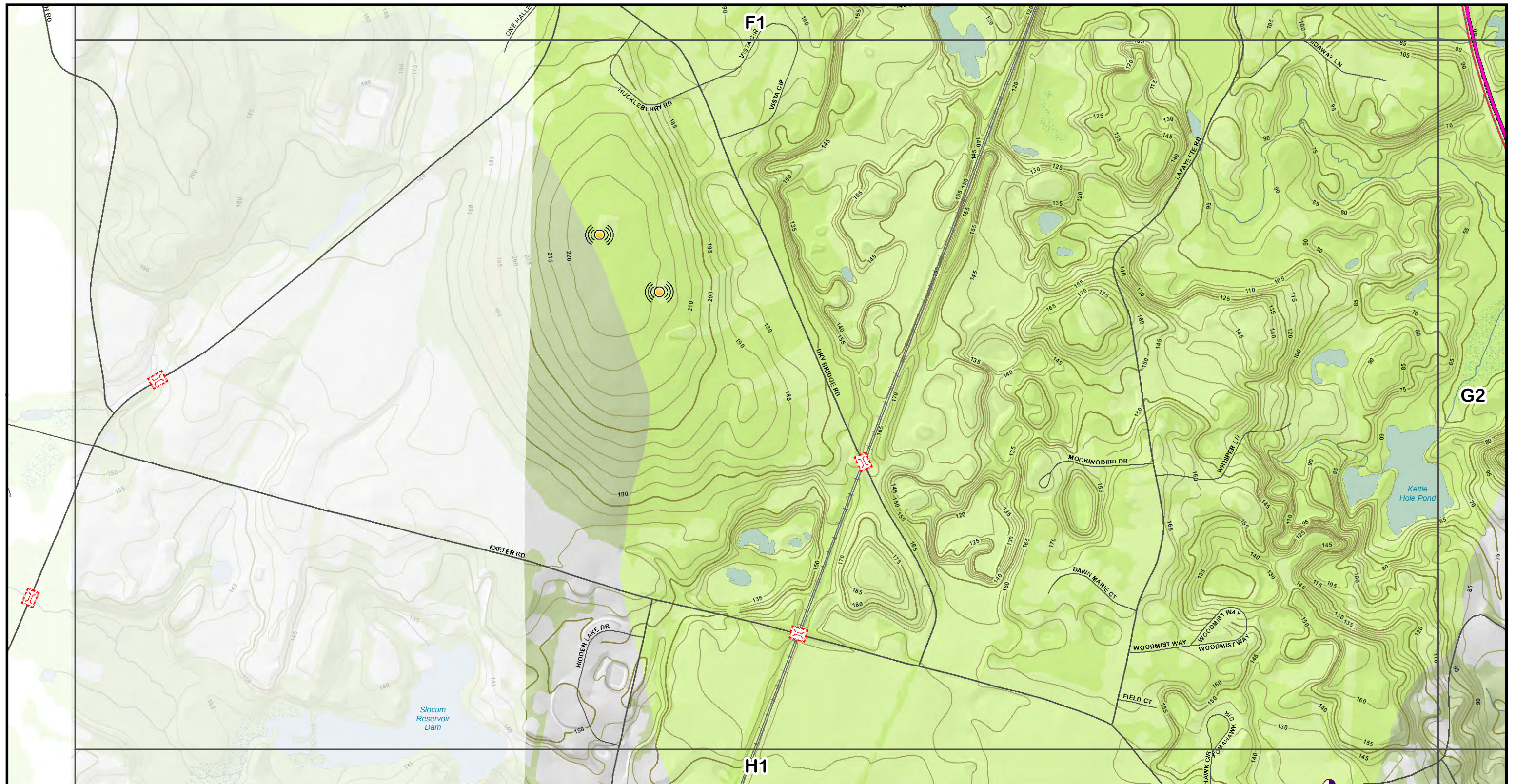


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Map F3



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

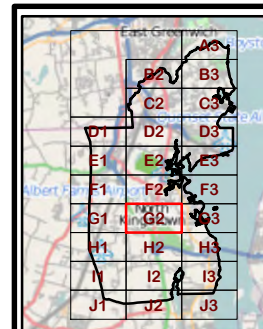
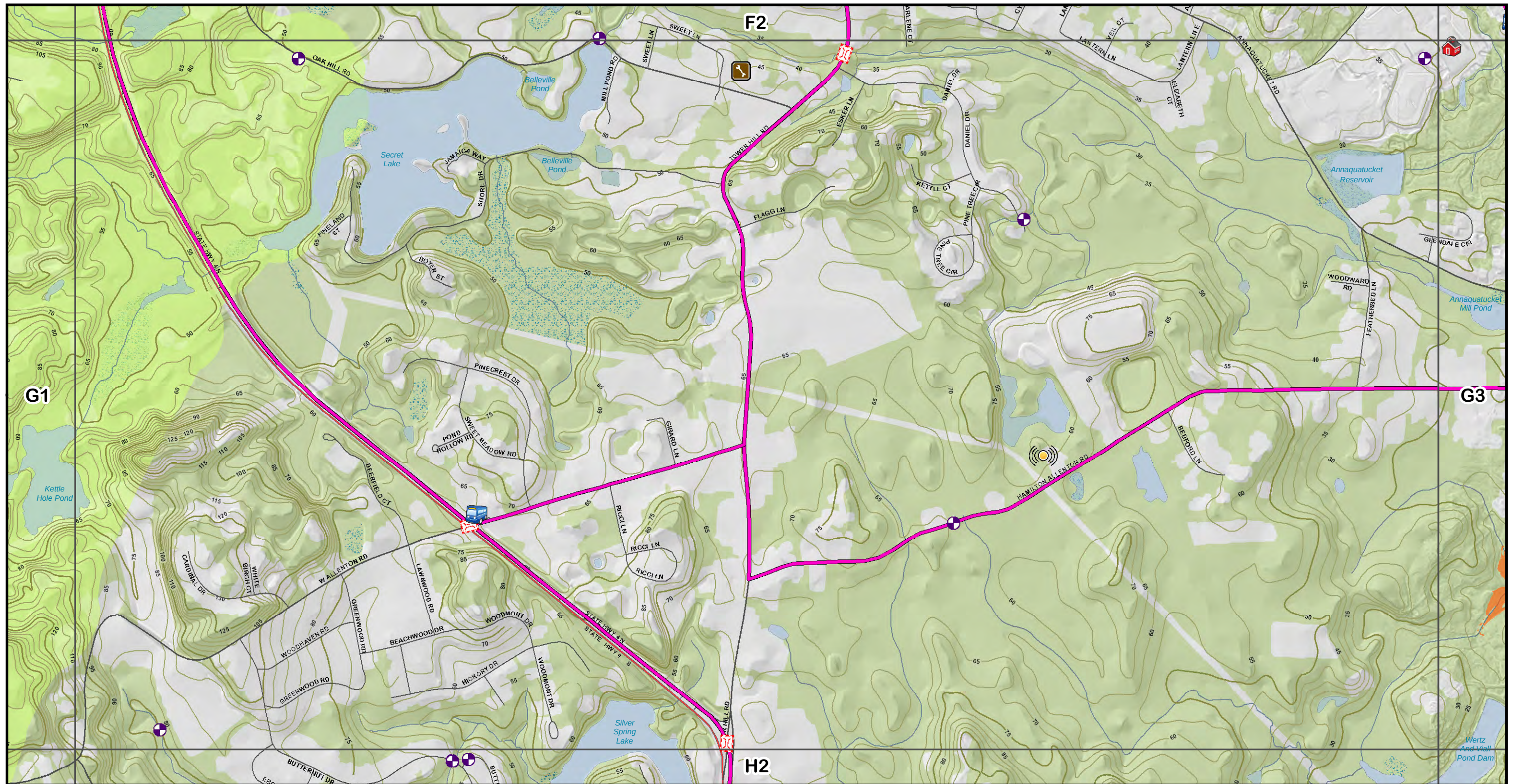


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Map G1



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

1:10,000

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0 100 200 300 400 500 Meters

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

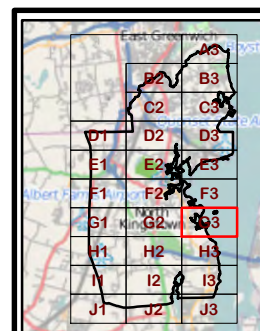
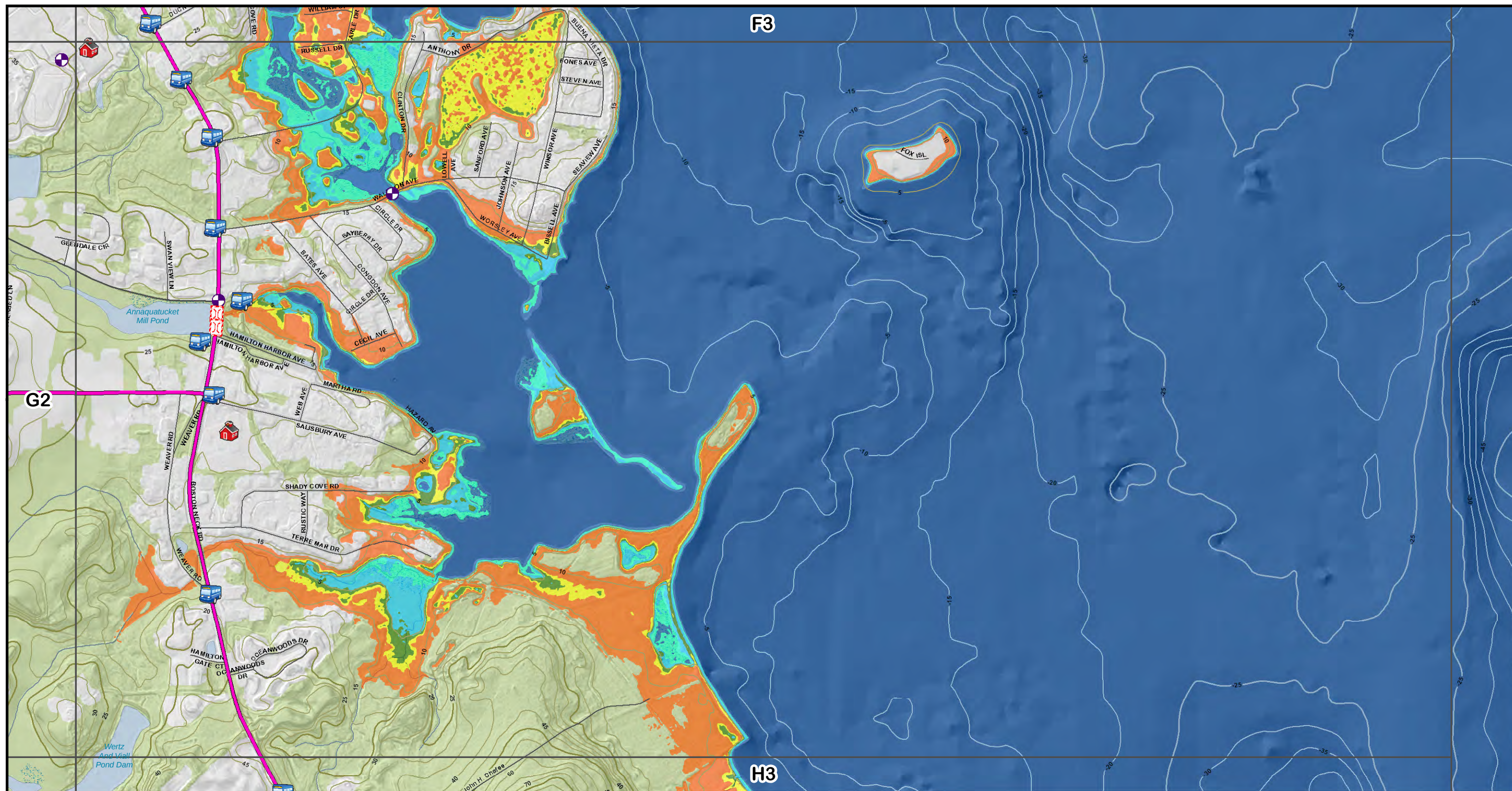


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Map G2



Coordinate System: Rhode Island State Plane
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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

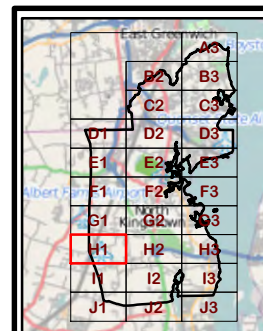
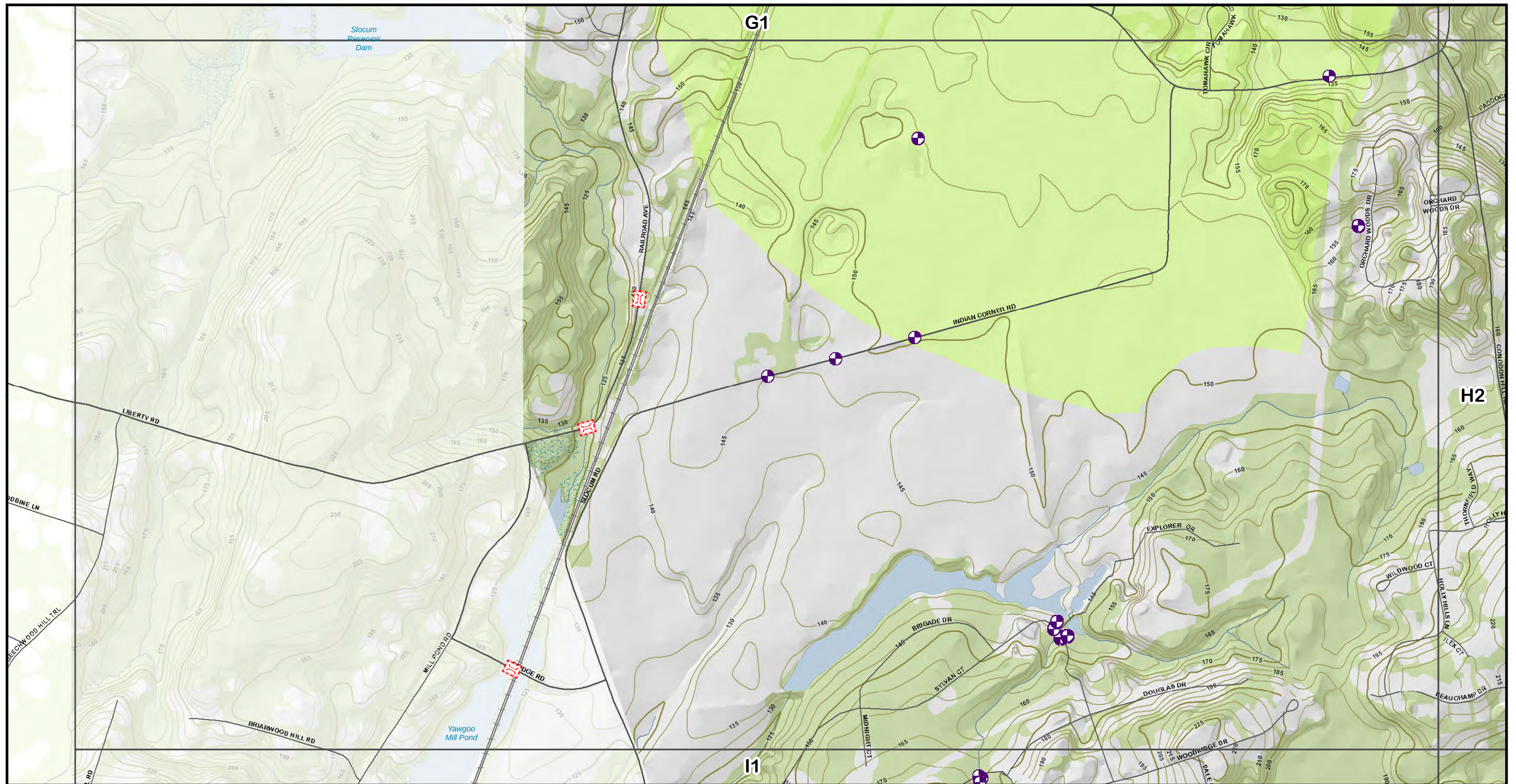


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Map G3



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

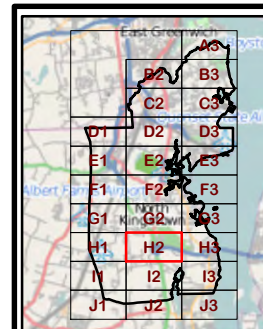
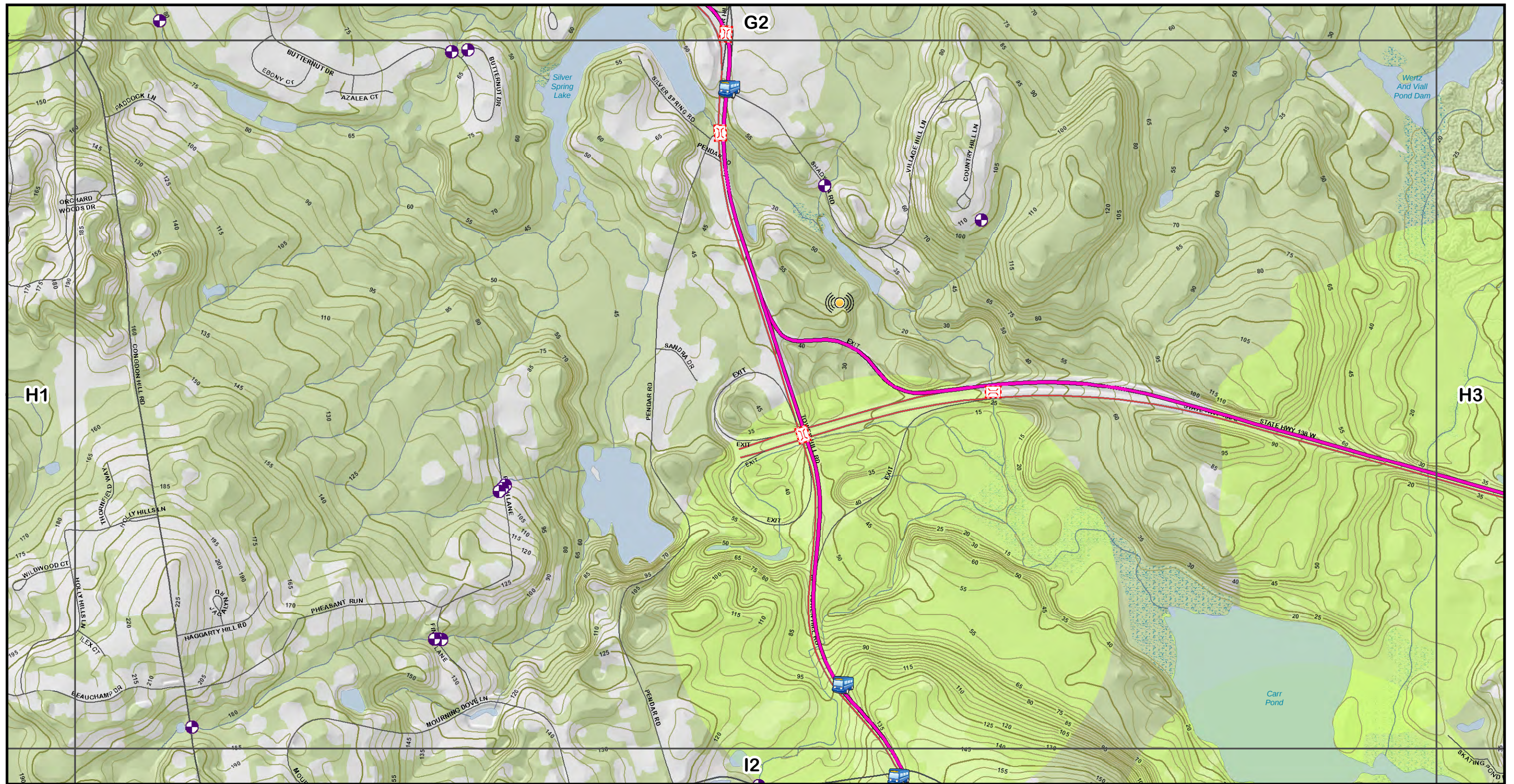


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Map H1



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

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0 100 200 300 400 500 Meters

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

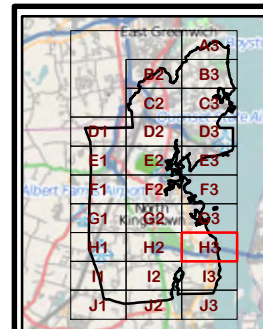
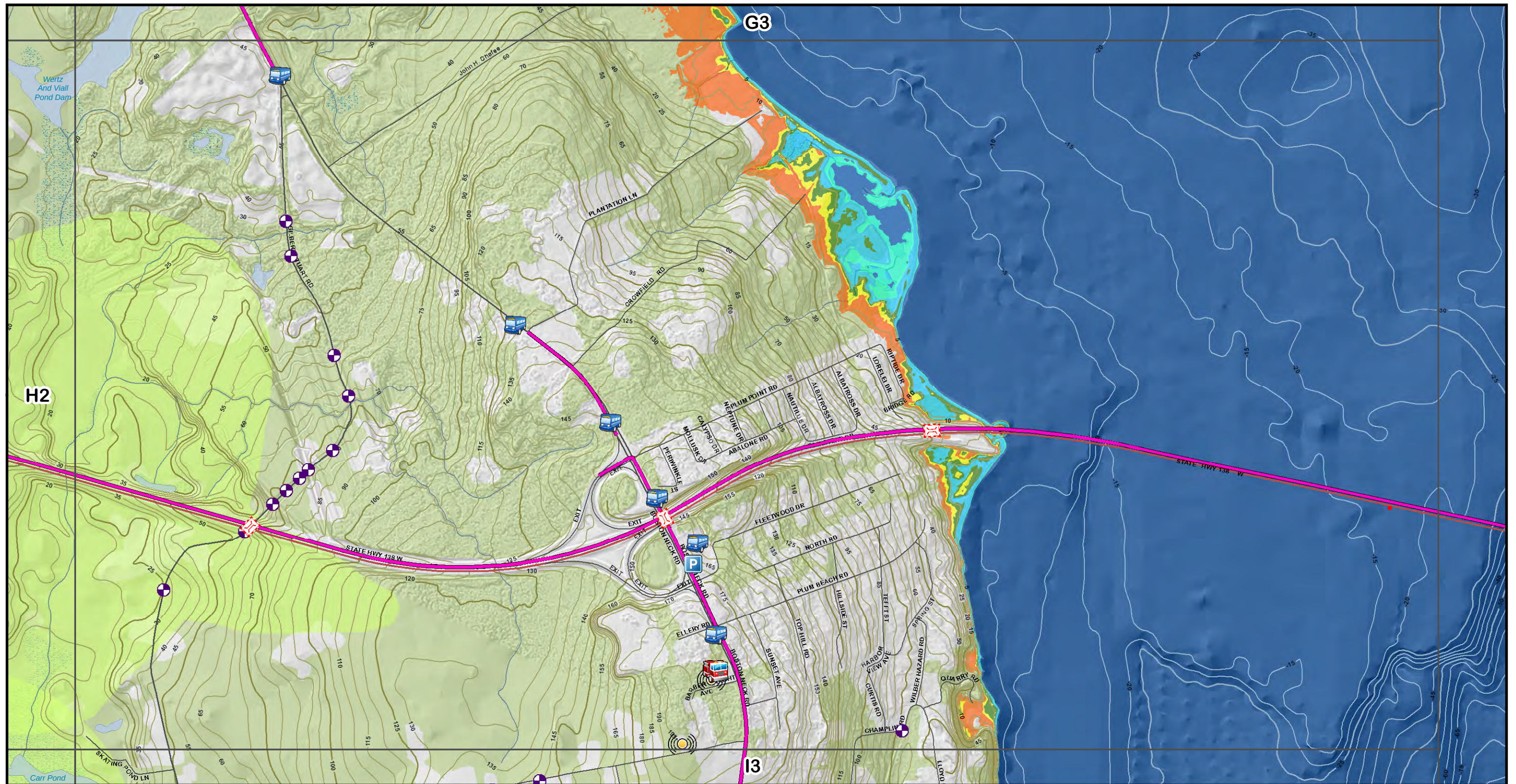


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Map H2



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

1:10,000

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0 100 200 300 400 500 Meters

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

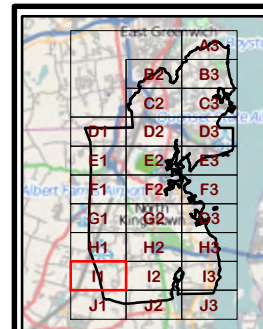
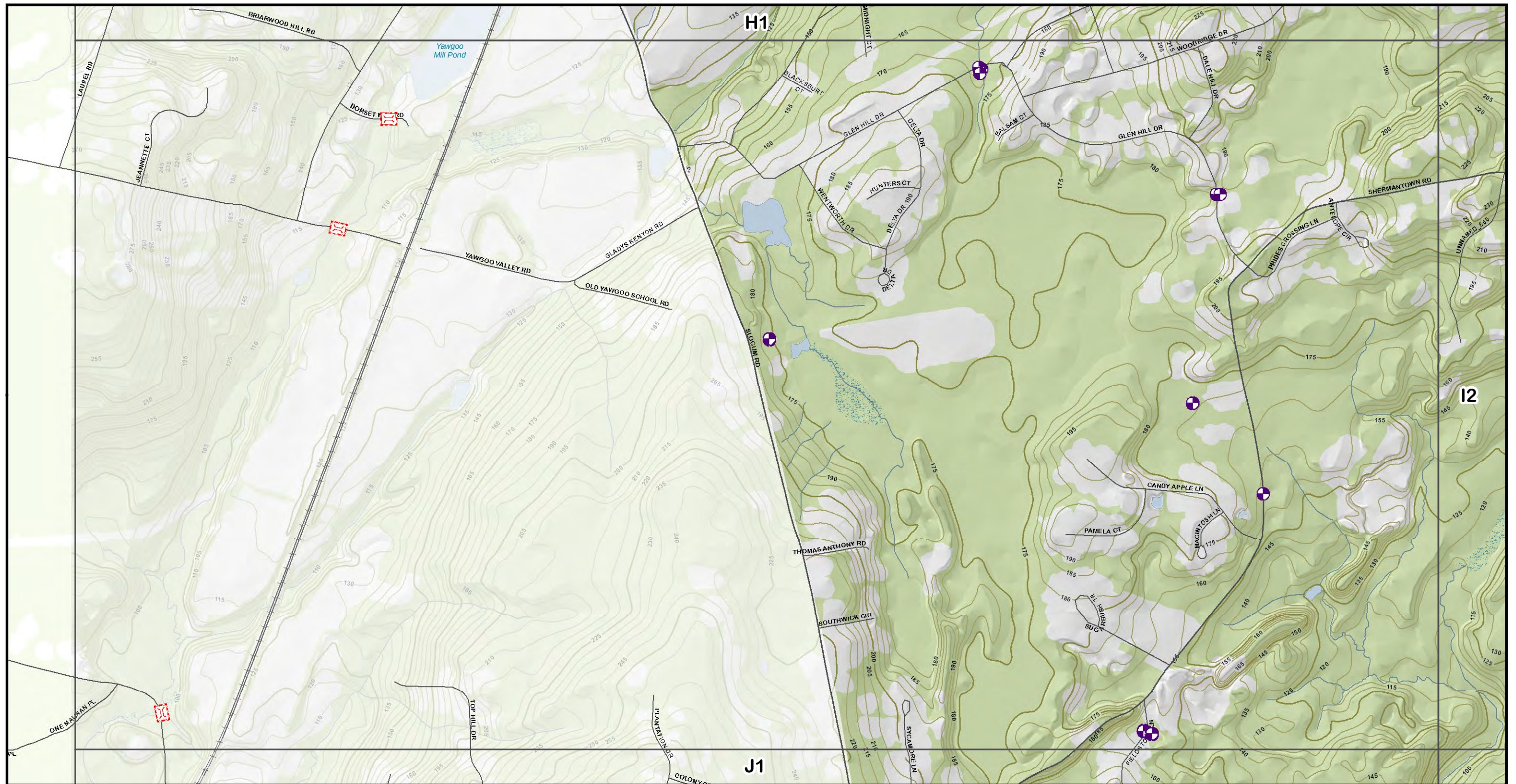


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Map H3



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

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0 100 200 300 400 500 Meters

Map Date: 2011-06-13

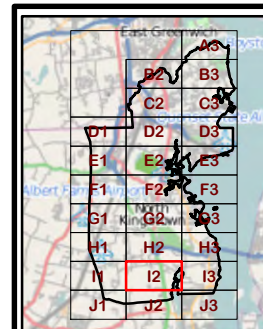
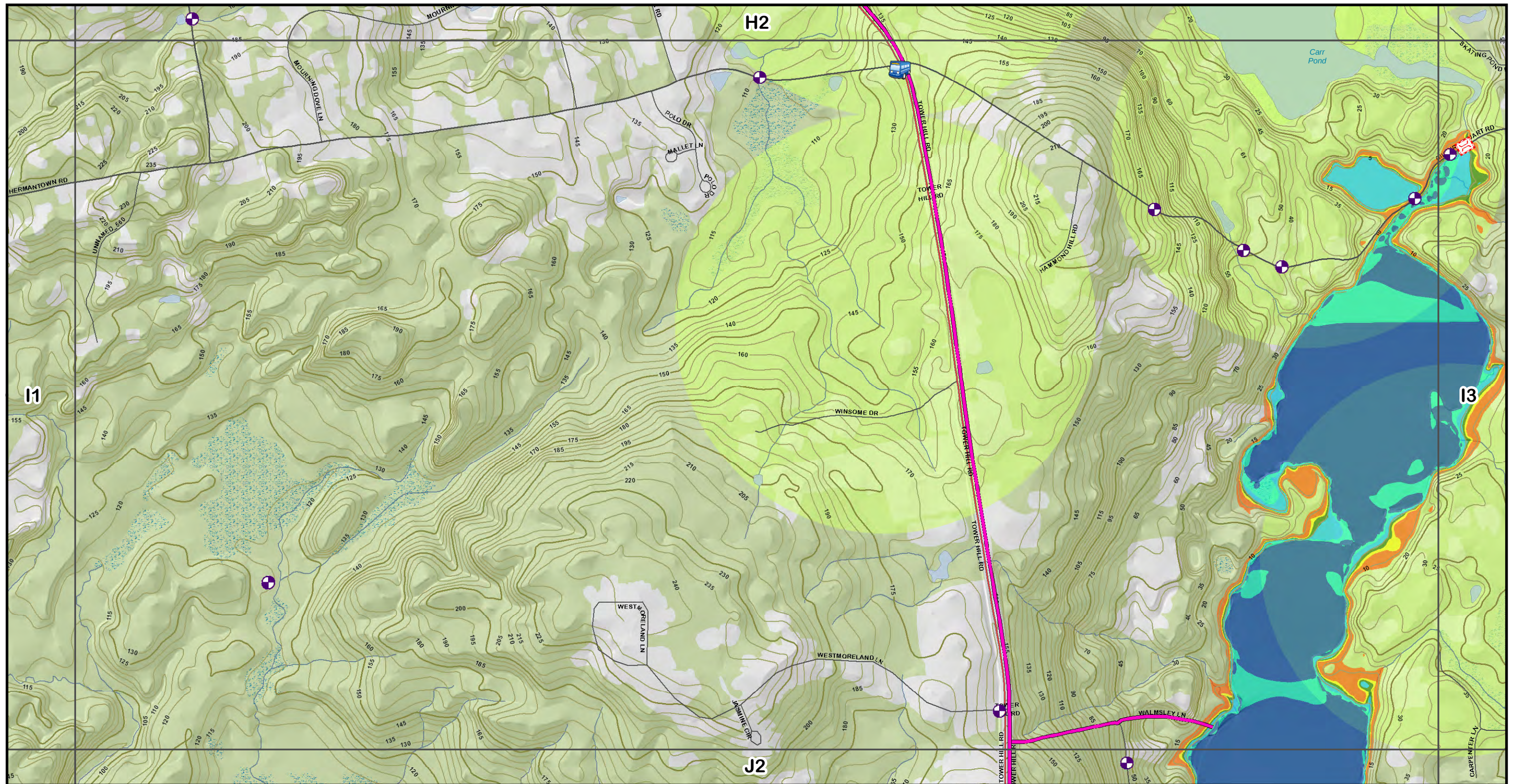
Inundation Zones

-  Mean Higher High Water (MHHW)
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-  MHHW plus 1' SLR and 3' Storm Surge
-  MHHW plus 5' SLR
-  Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure



Map I1



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

Inundation Zones

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North Kingstown Vulnerability Analysis: Facilities and Infrastructure

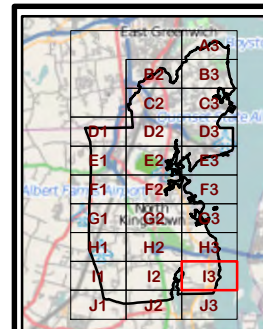
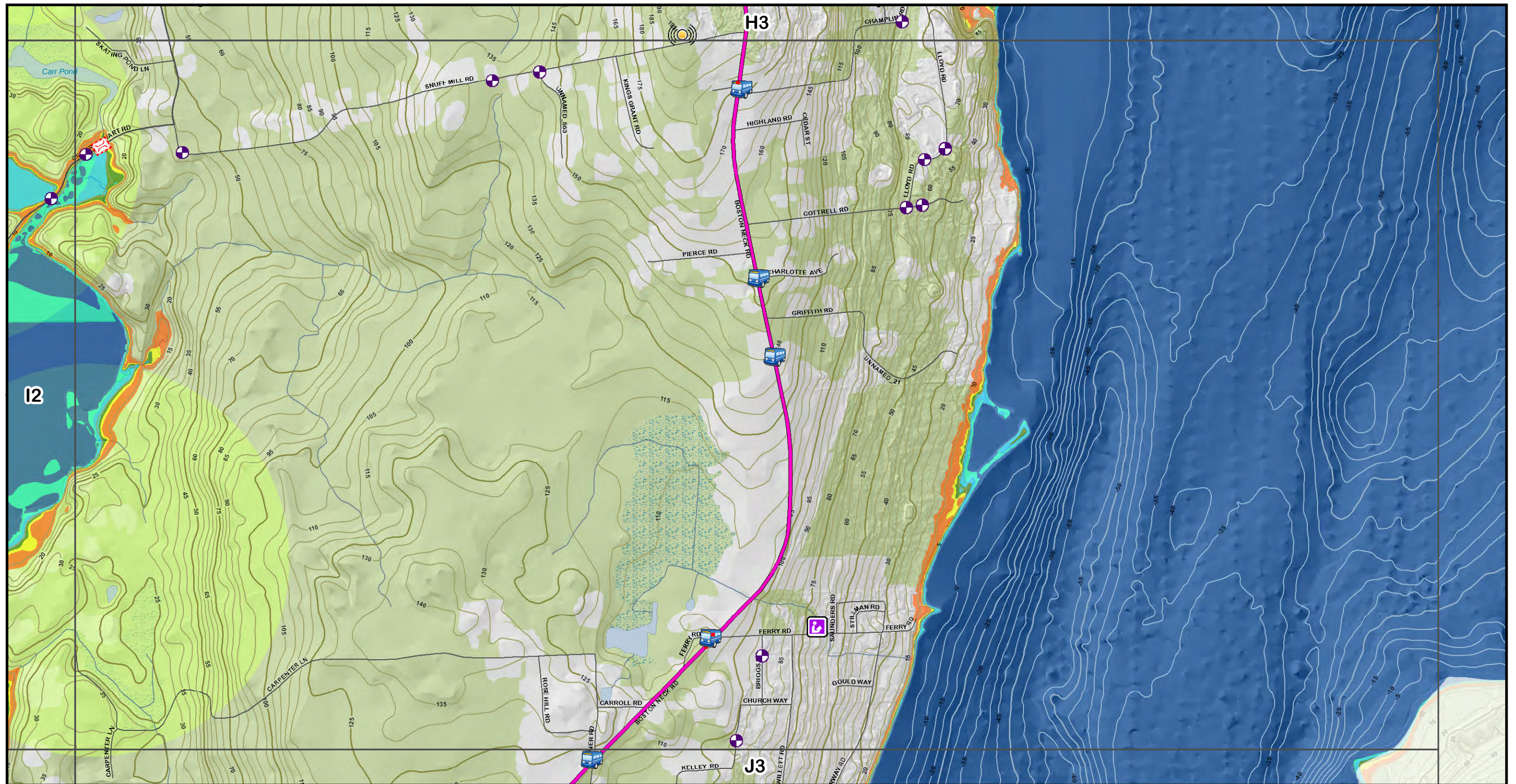


THE UNIVERSITY
OF RHODE ISLAND

RIGIS



Map I2



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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 of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

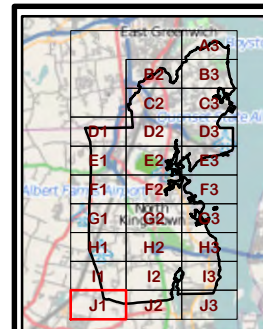
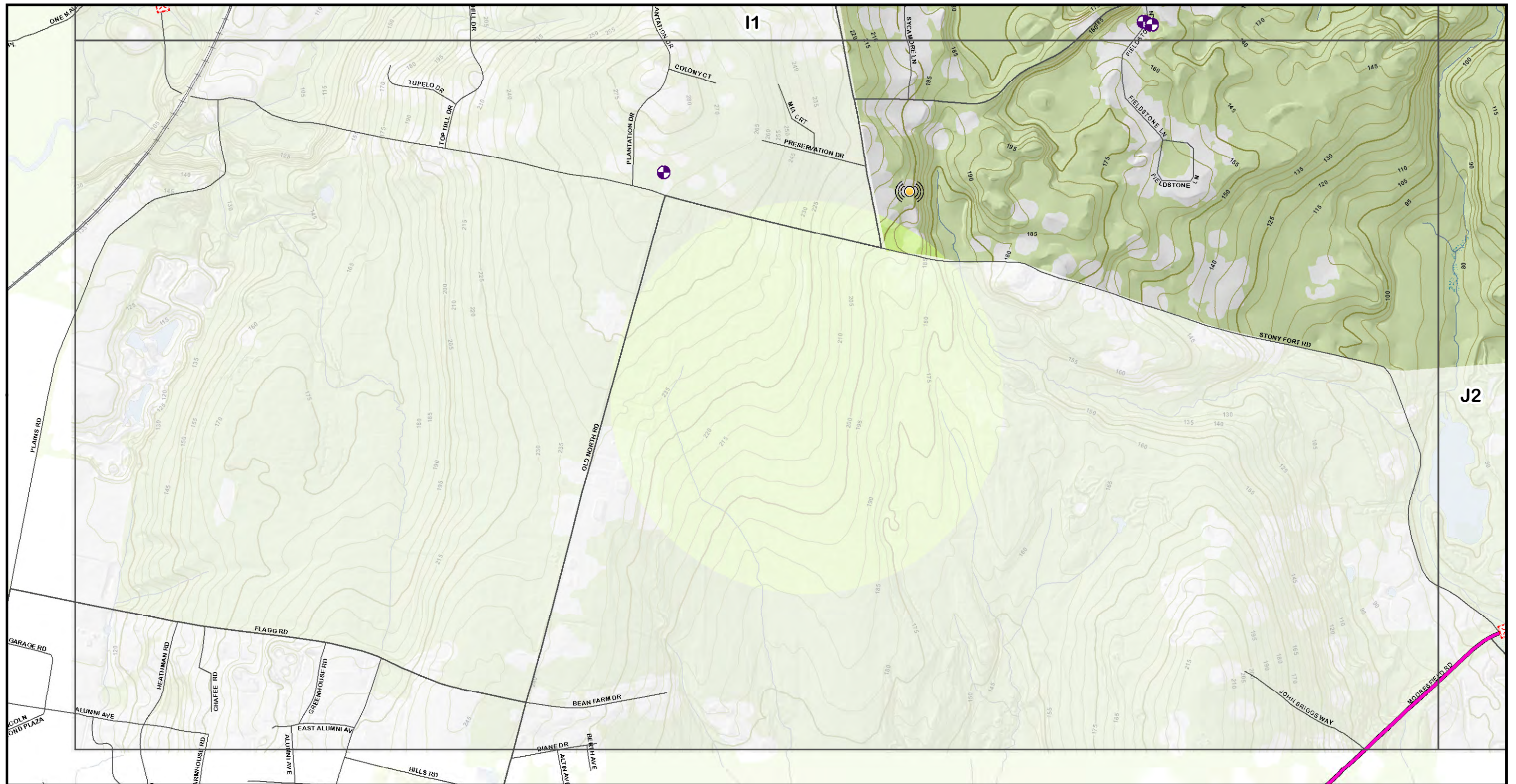


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Map I3



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

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-  Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

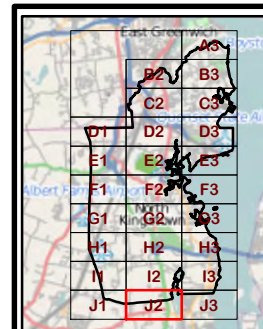
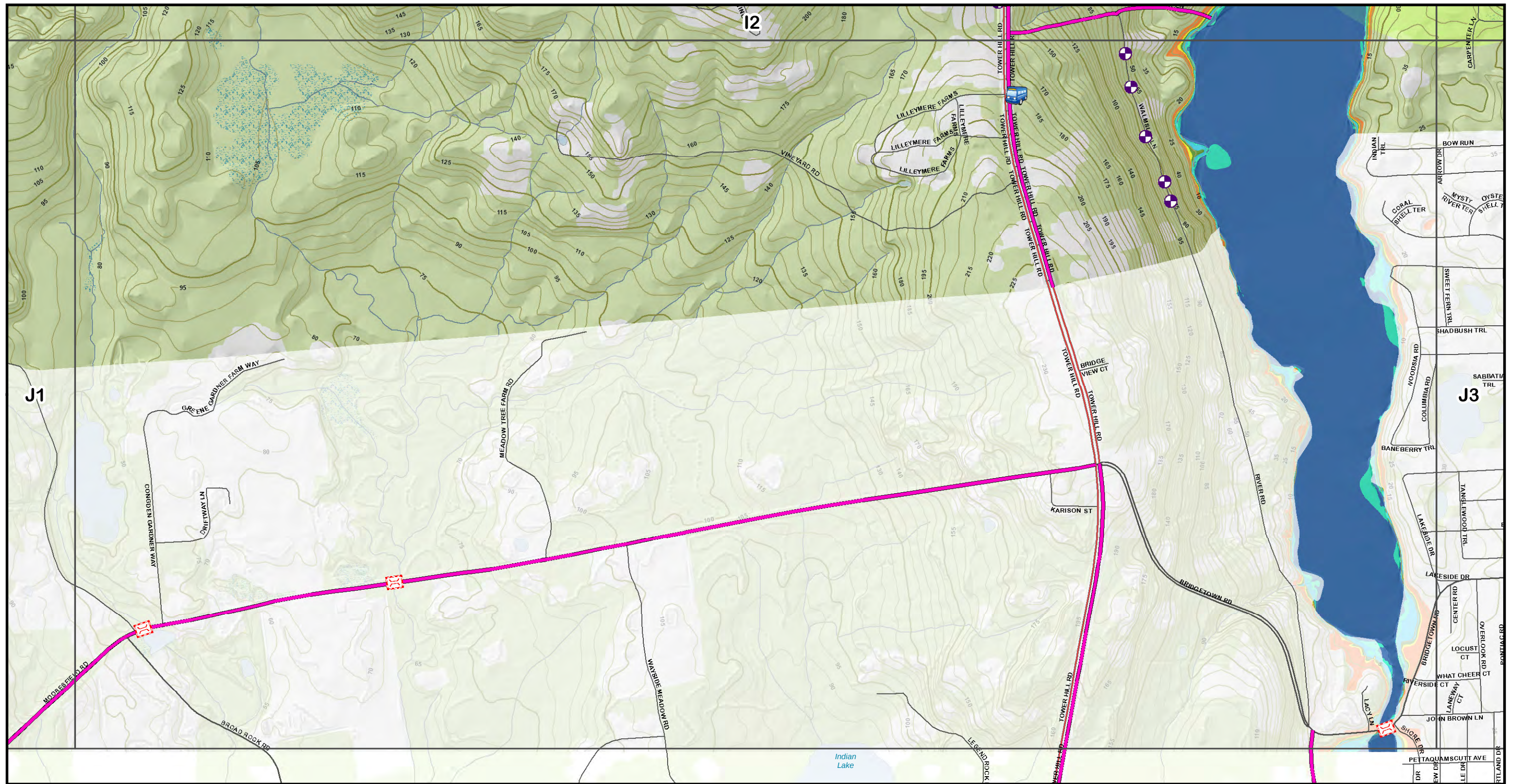


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Map J1



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

Inundation Zones

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- MHHW plus 1' SLR and 3' Storm Surge
- MHHW plus 5' SLR
- Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure

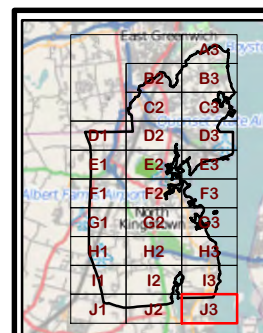
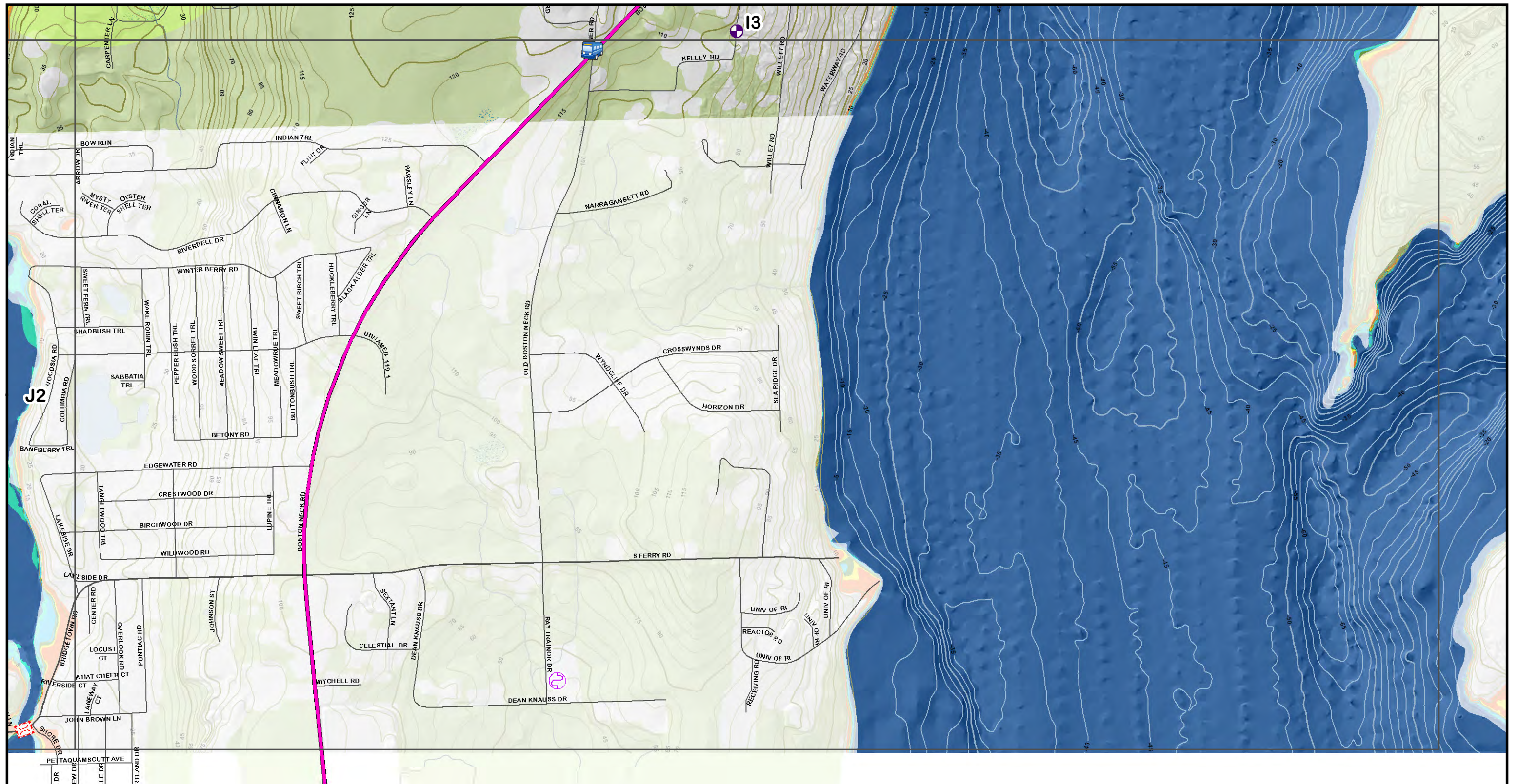


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Map J2



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

1:10,000

0 500 1,000 1,500 2,000 Feet

0 100 200 300 400 500 Meters

Map Date: 2011-06-13

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-  Hurricane of 1938 Surge Height

North Kingstown Vulnerability Analysis: Facilities and Infrastructure



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Map J3