

Shoreline Assessment Mapper (SAM)

A Resource Tool for Local Governments

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<http://139.70.26.131:8008/ShorelineAssessmentMapper/>

What is SAM

- an interactive map viewer
- allows users access to spatial data
- compose and view maps

DATA LAYERS

County/City Boundaries

County/City Names

Permit Sites

Shoreline

Hydrology

Bathymetry

Open Water

NWI

Tidal Marsh Inventory

Intertidal Mud Flats

SAV Habitat

Bank Height

Bank Stability

Bank Cover

Marsh Buffer

Beach Buffer

Misc. Beaches

Shoreline Structures

Shoreline Access Structures

Baylor Grounds

Oyster Reefs

2006/07 VBMP Imagery

USGS Digital Raster Graphs

How can SAM be used?

Assess conditions along the shoreline for development purposes

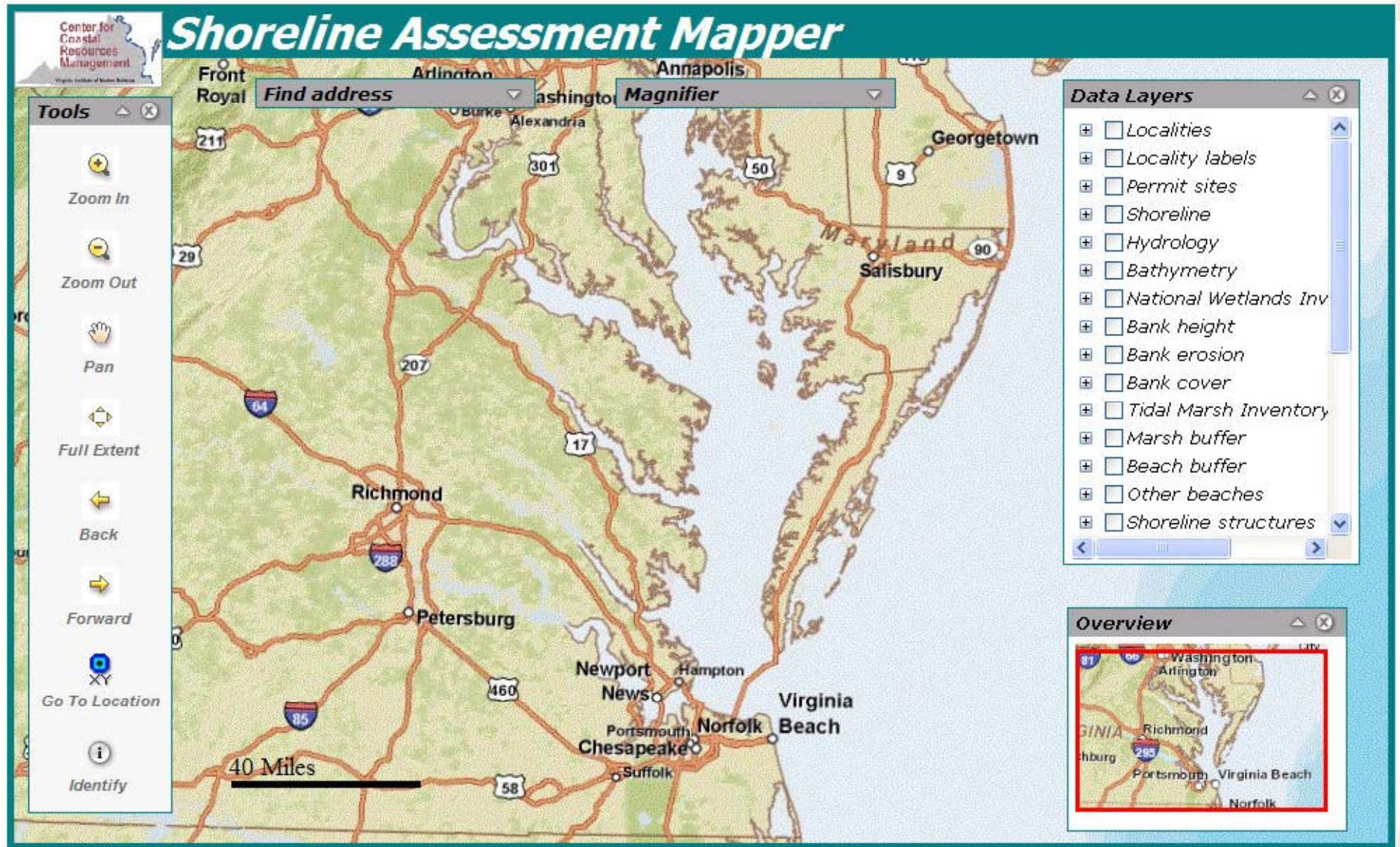
Locate proposed permit sites and evaluate the need for proposed activity

Assess conditions adjacent to proposed permit sites

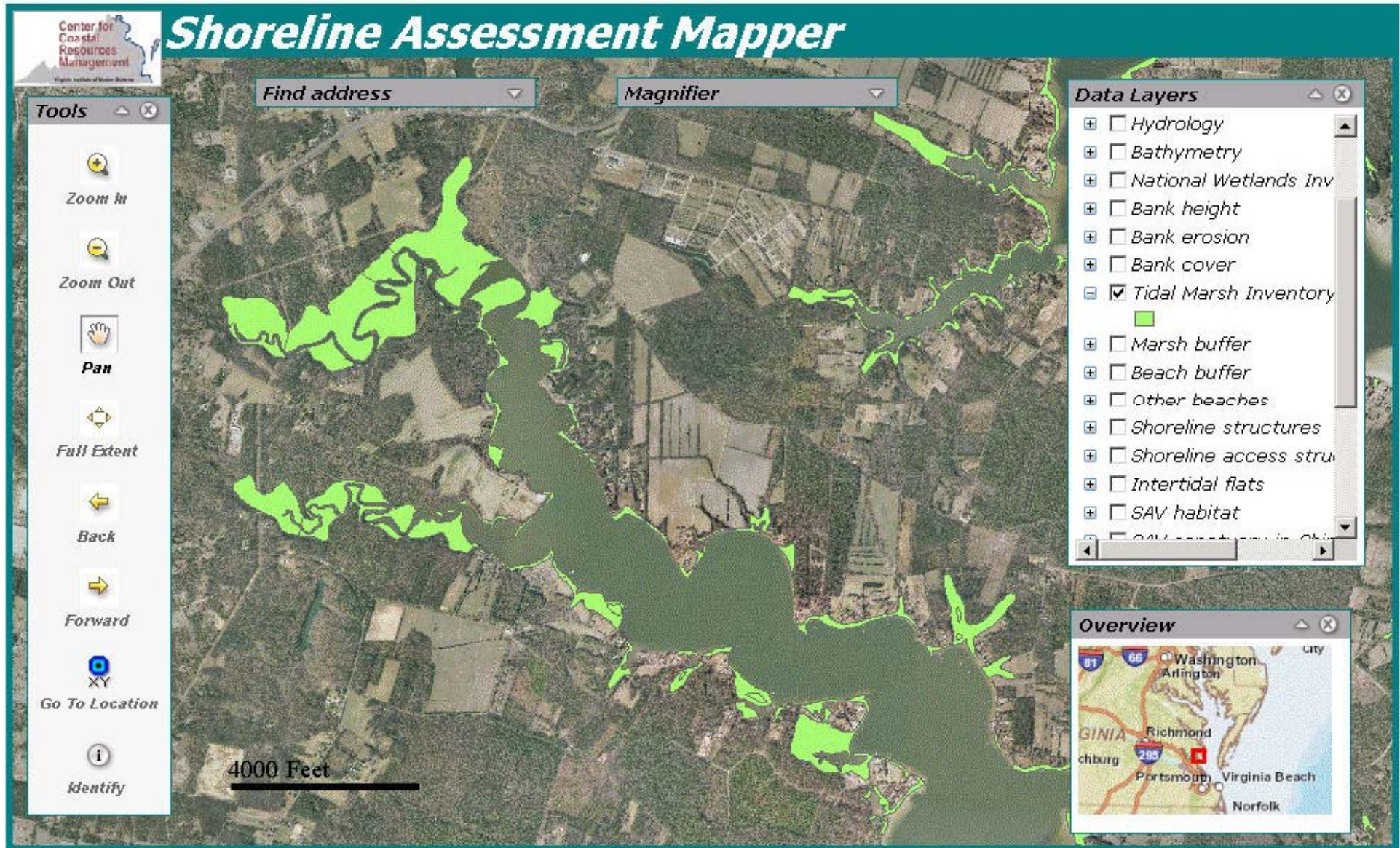
Estimate areas of impact

Review existing natural resources for general resources management

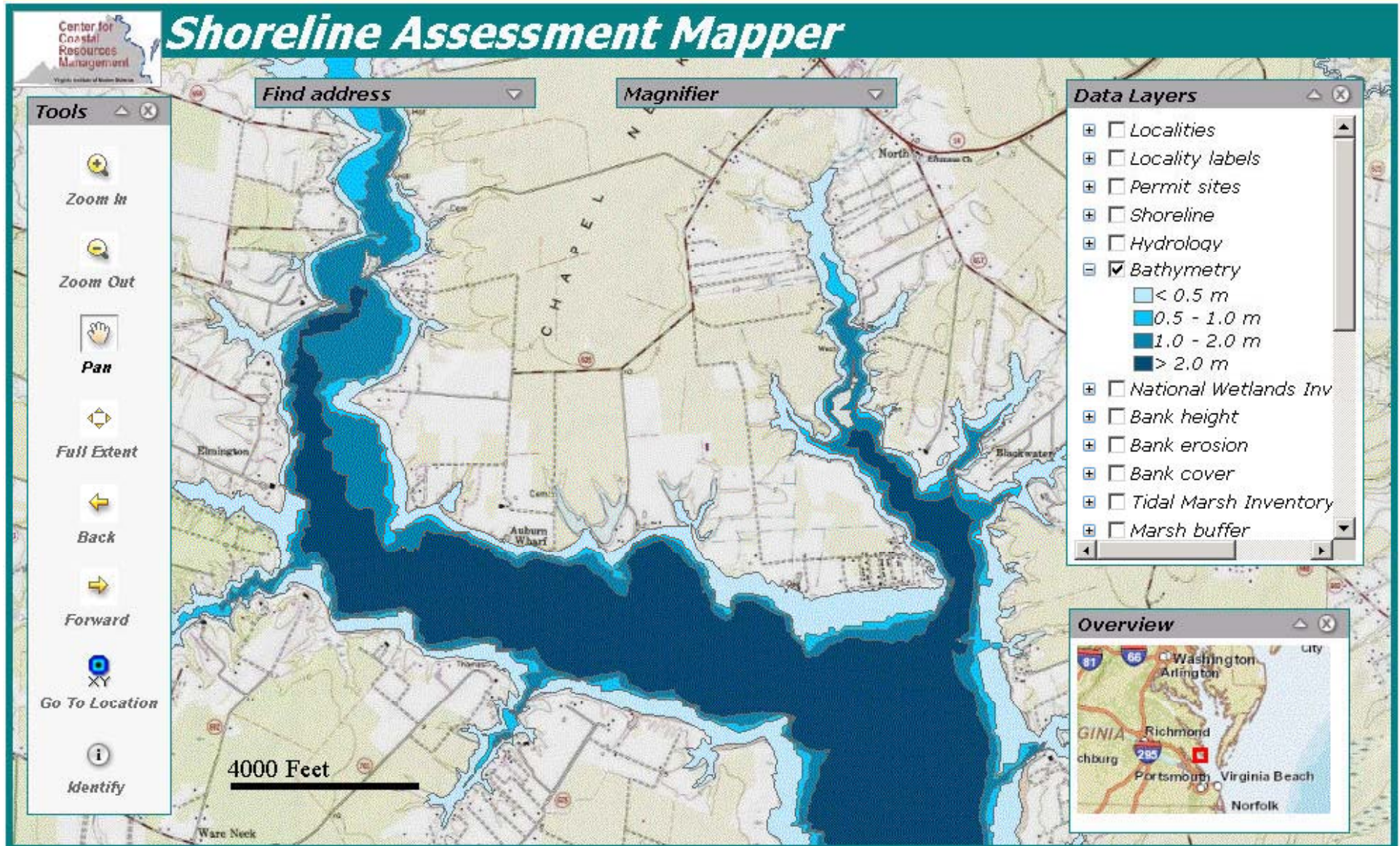
SAM HOMEPAGE:



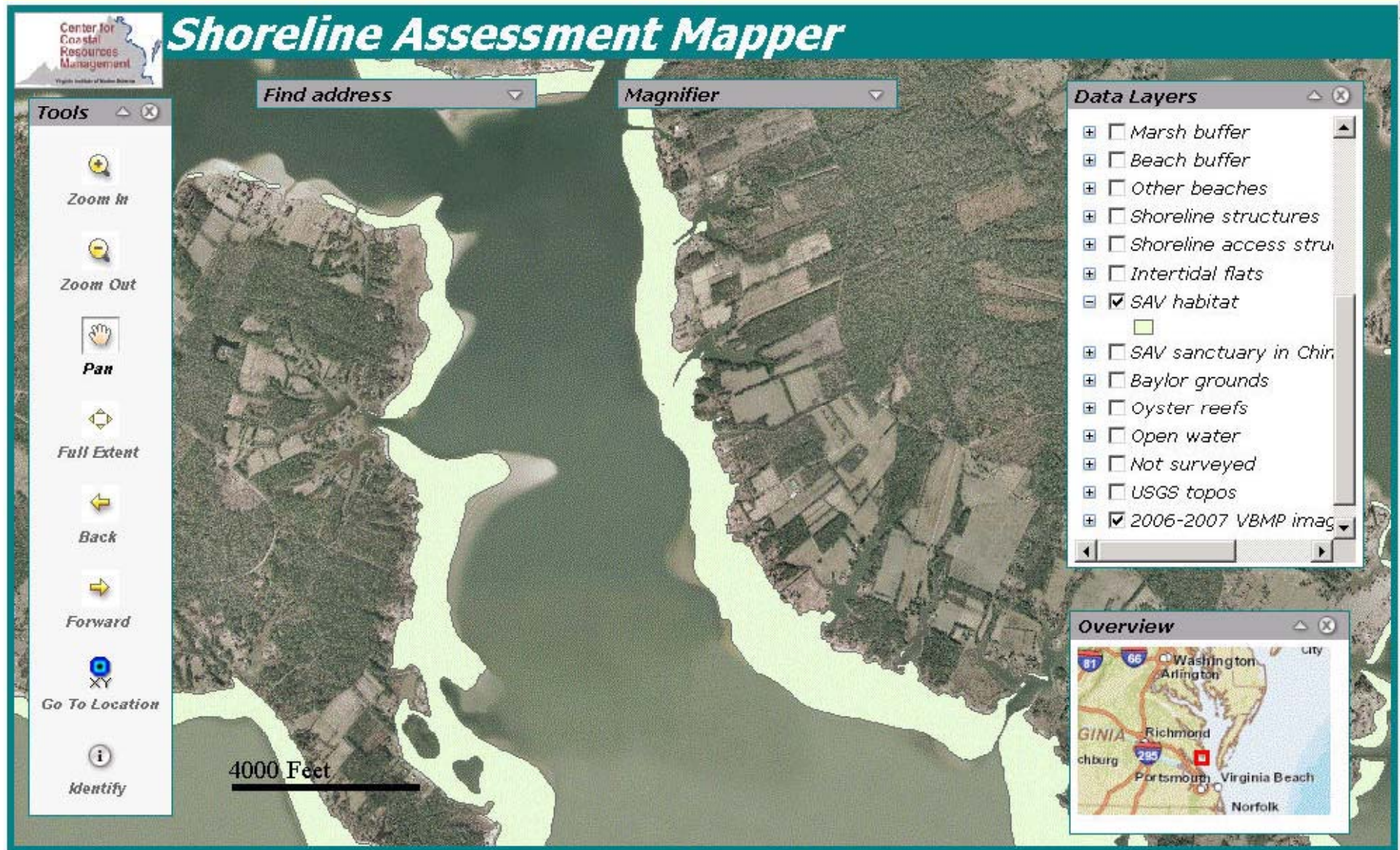
Tidal Marsh Inventory



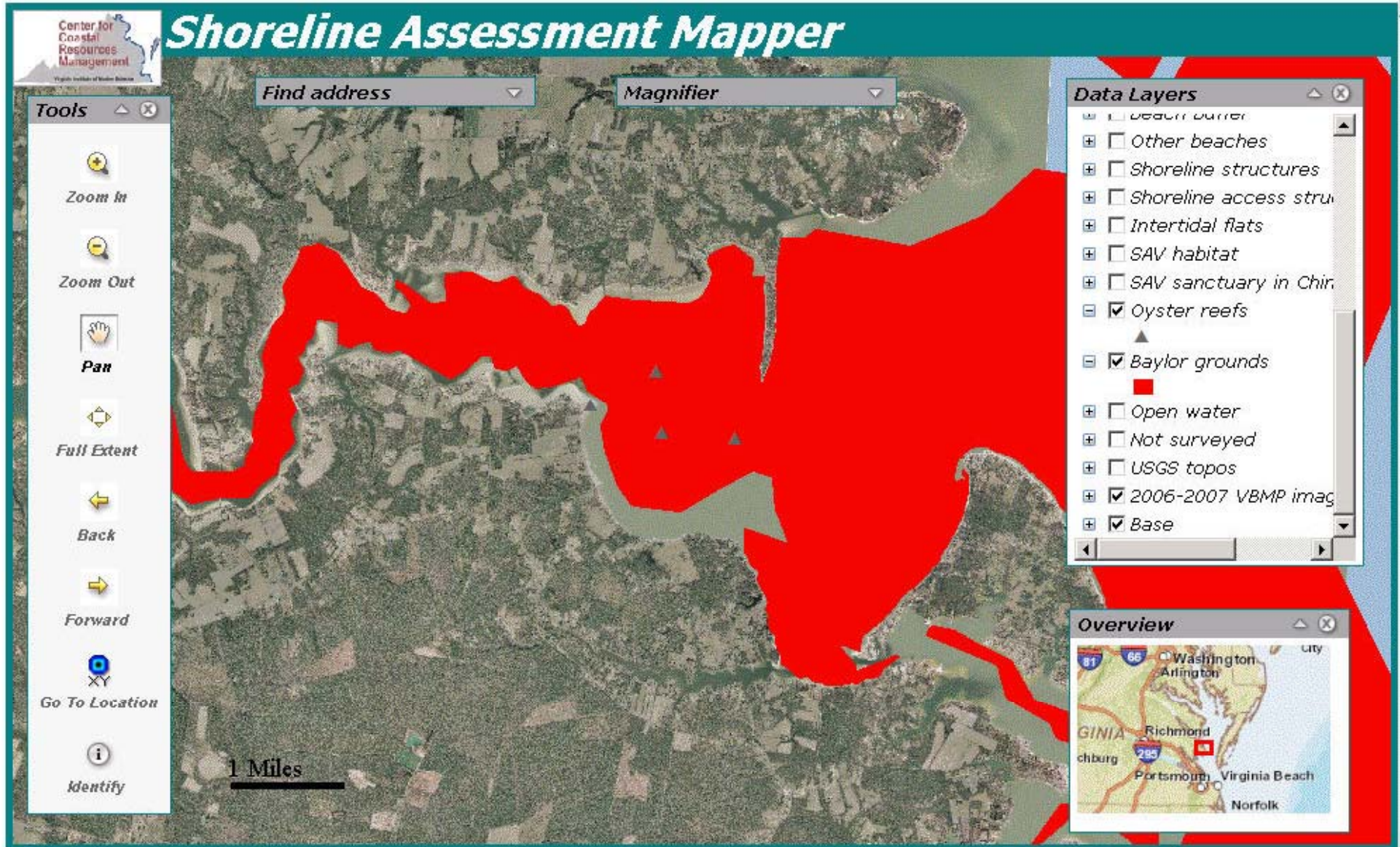
Bathymetry



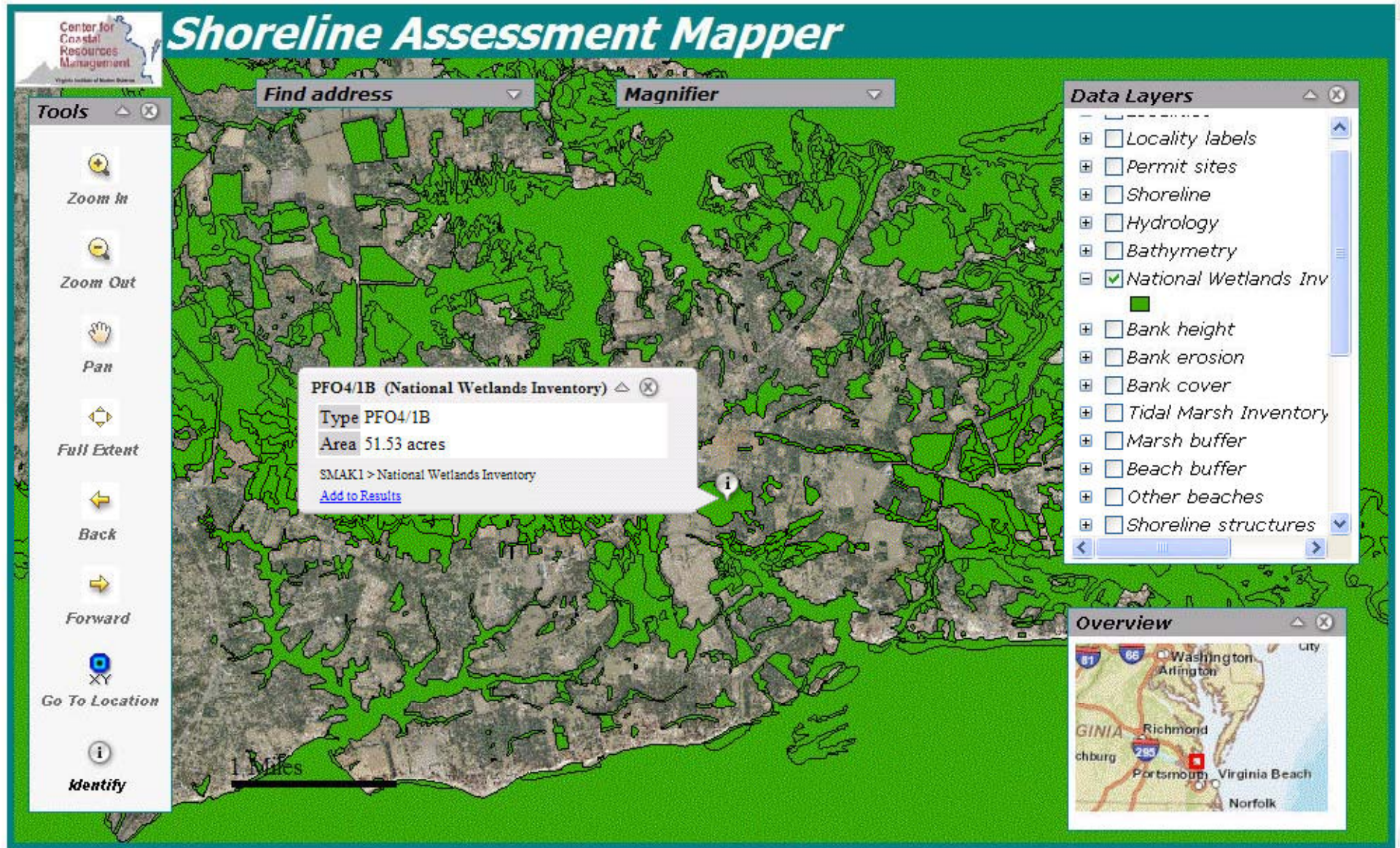
Submerged Aquatic Vegetation



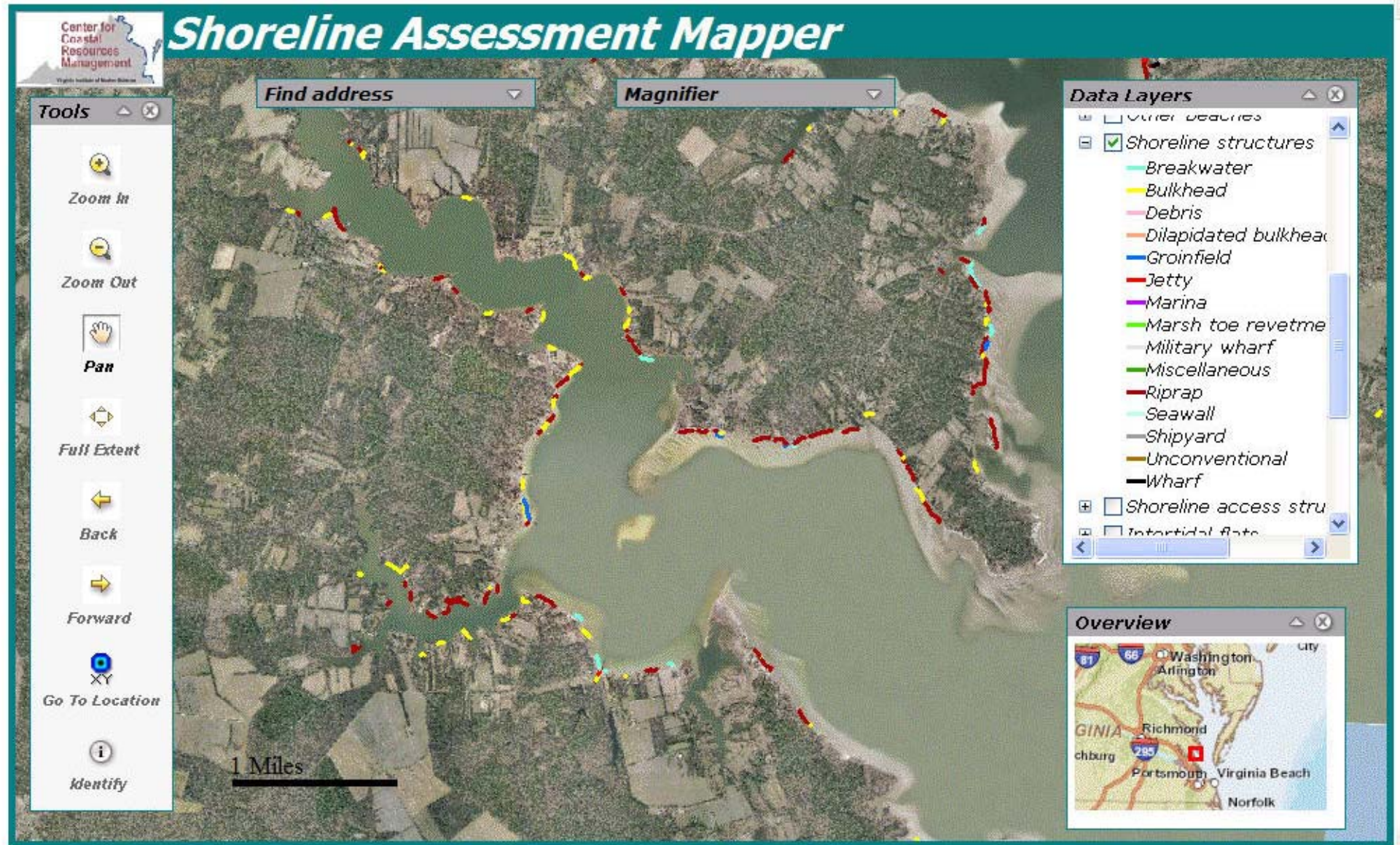
Baylor Grounds and Restored Reefs



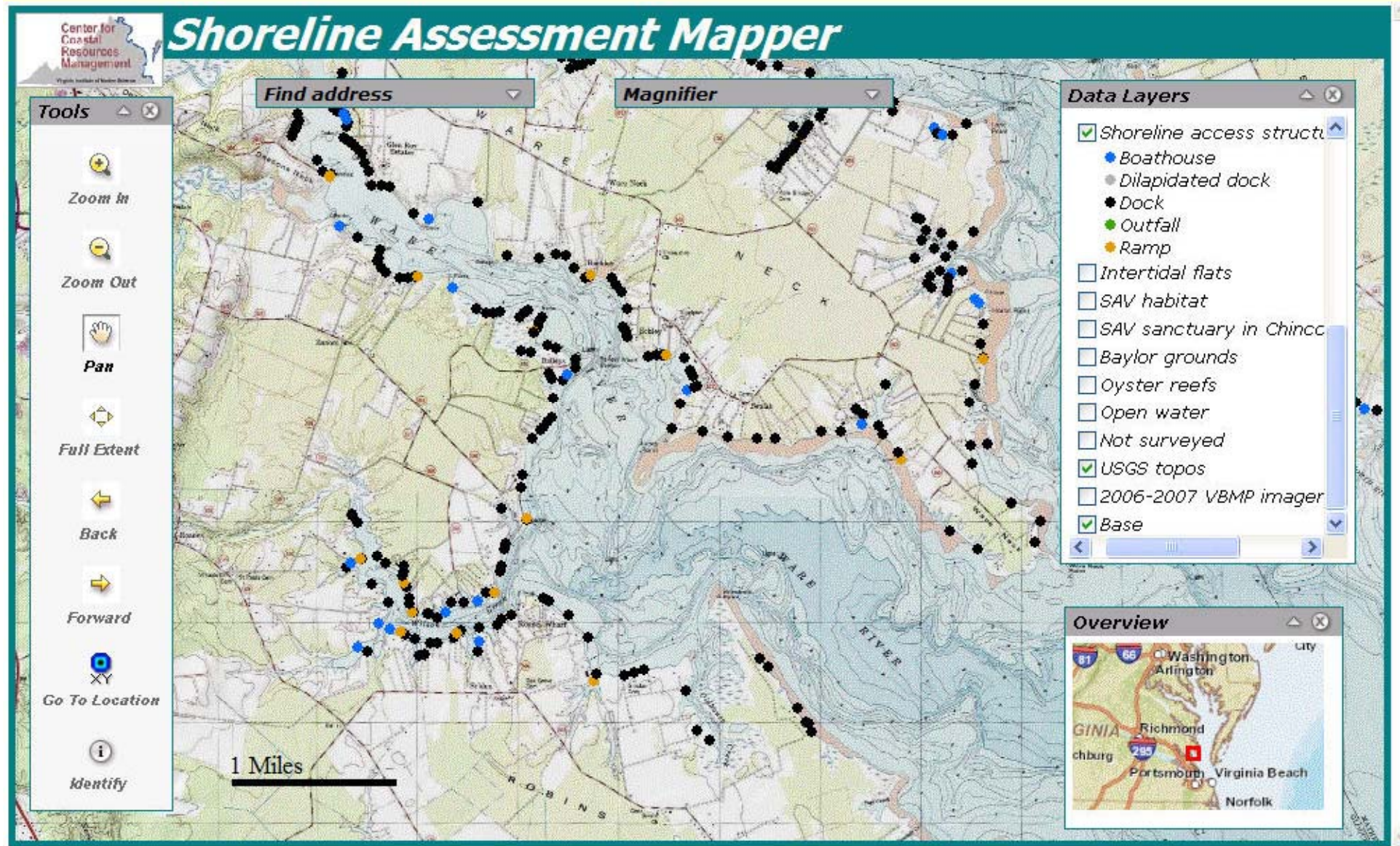
National Wetlands Inventory



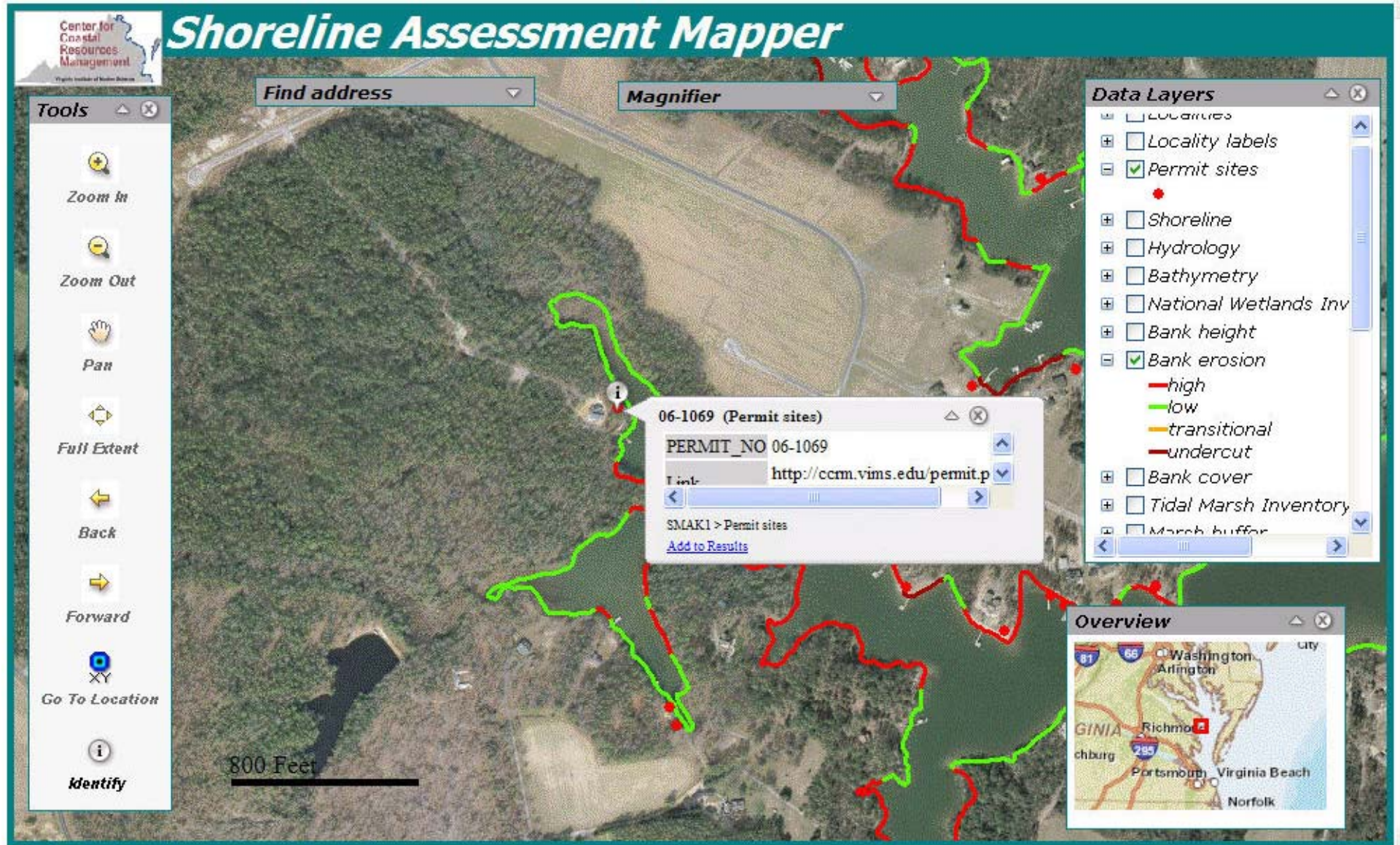
Shoreline Structures



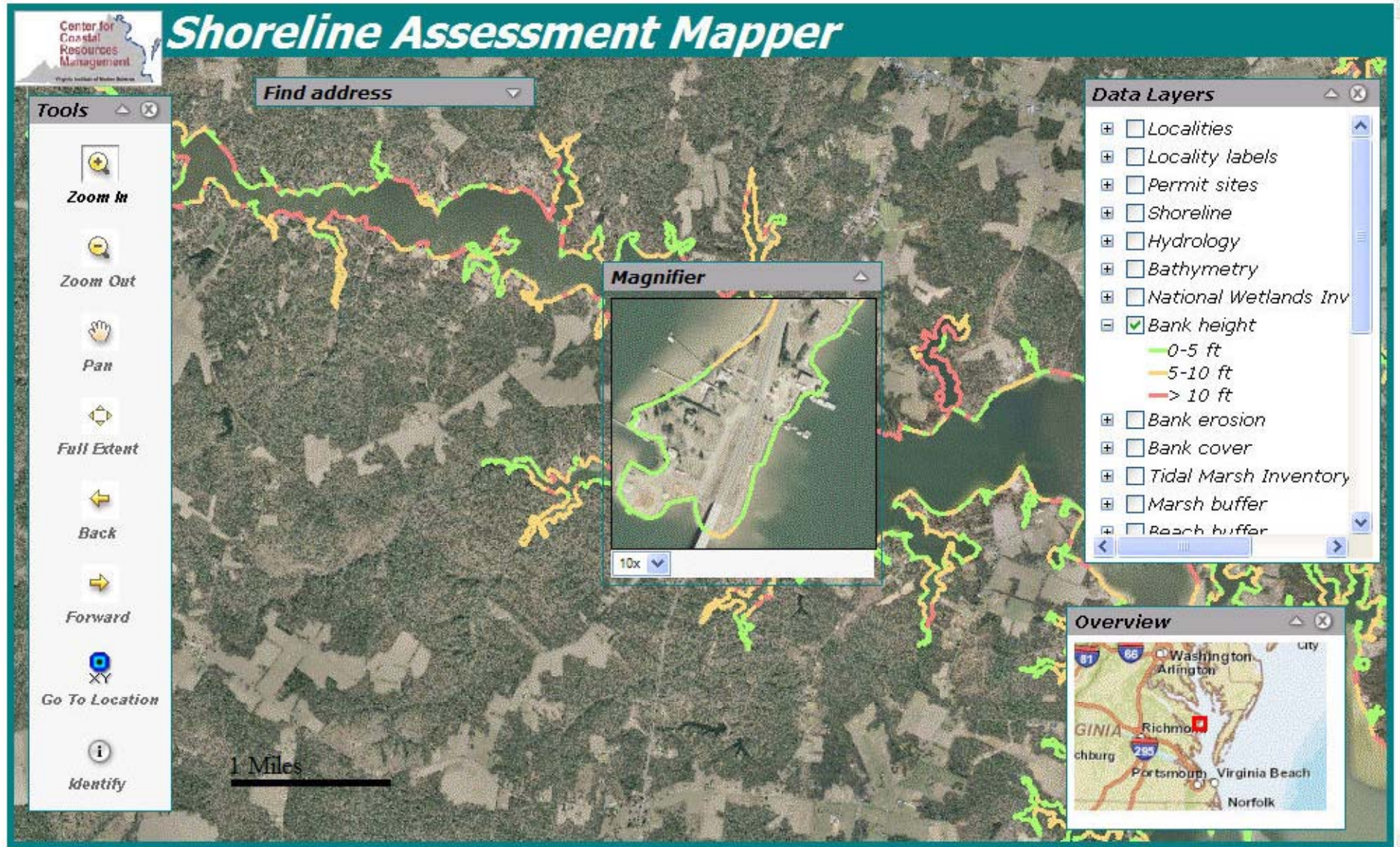
Public/Private Access



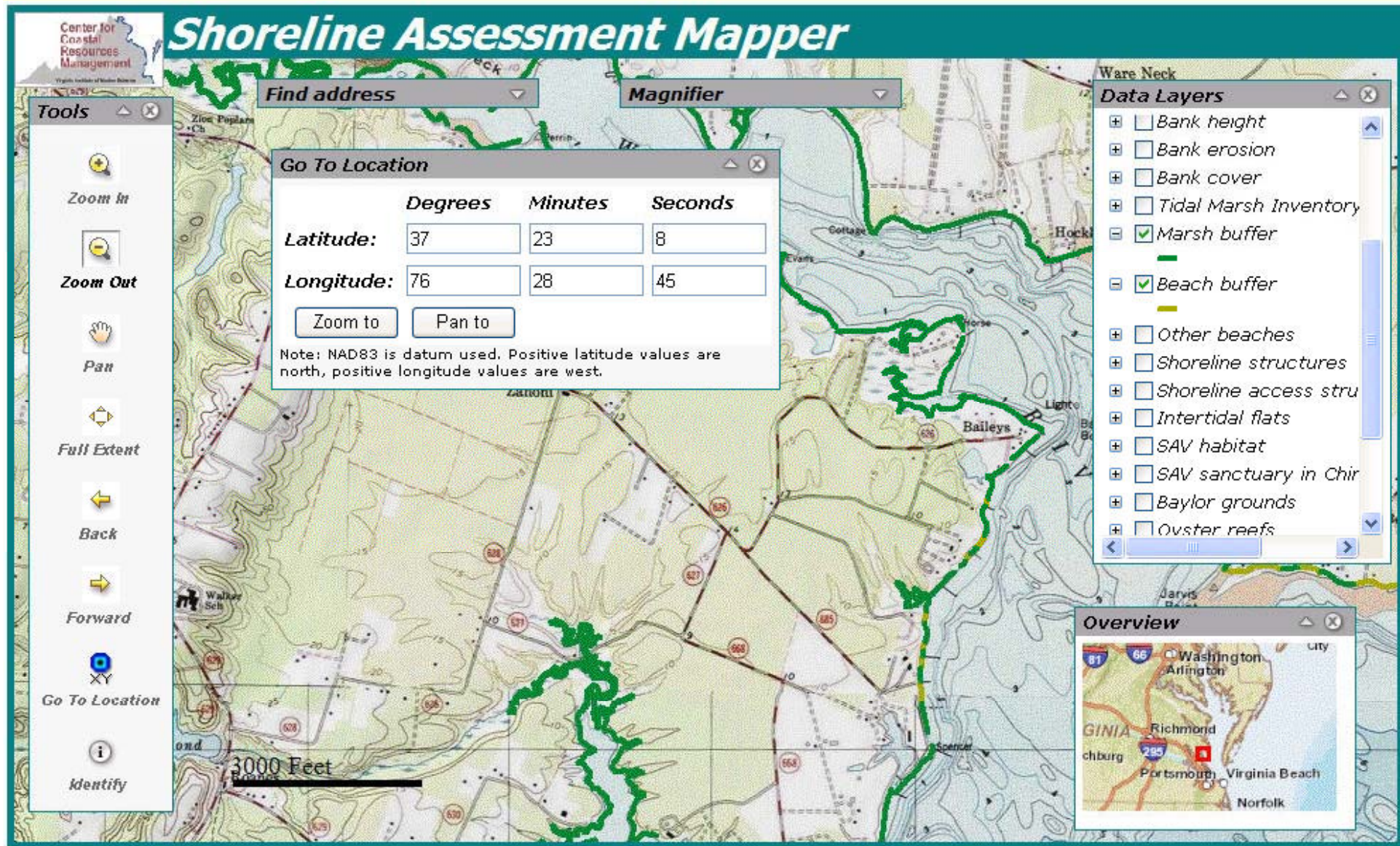
Bank Condition/Permit Sites



Bank Height/Magnifier



“Go To” Locator



Address Locator

The screenshot displays the 'Shoreline Assessment Mapper' web application. The interface includes a main map area, a 'Find address' search box, a 'Tools' panel, a 'Data Layers' panel, a 'Magnifier' window, and an 'Overview' inset map.

Center for Coastal Resources Management
Virginia Institute of Marine Science

Shoreline Assessment Mapper

Find address

Address: 215 Monticello Court
City: Newport News
State:
Zip: 23602
Zip4:
Country:
Find

Tools

- Zoom In
- Zoom Out
- Pan
- Full Extent
- Back
- Forward
- Go To Location
- Identify

Magnifier

215 Monticello CT, Newport News, VA, 23602

Data Layers

- ☐ Marsh buffer
- ☐ Beach buffer
- ☐ Other beaches
- ☐ Shoreline structures
- ☐ Shoreline access stru
- ☐ Intertidal flats
- ☐ SAV habitat
- ☐ SAV sanctuary in Chir
- ☐ Baylor grounds
- ☐ Oyster reefs
- ☐ Open water
- ☐ Not surveyed
- ☐ USGS topos
- ☐ 2006-2007 VBMP imag
- ☒ Base

Overview

Map showing the location of the study area (Newport News, VA) within the context of the Virginia Peninsula, including major cities like Washington, Arlington, Richmond, Portsmouth, Virginia Beach, and Norfolk.

2000 Feet

Look for updates

<http://139.70.26.131:8008/ShorelineAssessmentMapper/>

