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
<table>
<thead>
<tr>
<th>County/City Boundaries</th>
<th>Bank Height</th>
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<tbody>
<tr>
<td>County/City Names</td>
<td>Bank Stability</td>
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<td>Permit Sites</td>
<td>Bank Cover</td>
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<td>Shoreline</td>
<td>Marsh Buffer</td>
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<td>Hydrology</td>
<td>Beach Buffer</td>
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<td>Bathymetry</td>
<td>Misc. Beaches</td>
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<td>Tidal Marsh Inventory</td>
<td>Baylor Grounds</td>
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<td>Intertidal Mud Flats</td>
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<tr>
<td>SAV Habitat</td>
<td>2006/07 VBMP Imagery</td>
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<td>USGS Digital Raster Graphs</td>
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</table>
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
Tidal Marsh Inventory

Shoreline Assessment Mapper

Data Layers:
- Hydrology
- Bathymetry
- National Wetlands Inventory
- Bank height
- Bank erosion
- Bank cover
- Tidal Marsh Inventory
  - Marsh buffer
  - Beach buffer
  - Other beaches
  - Shoreline structures
  - Shoreline access structures
  - Intertidal flats
  - SAV habitat
  - SAV meadows in Ohio

Overview:

[Map showing a coastal area with marked marsh inventory areas]
Bathymetry

Shoreline Assessment Mapper

Data Layers:
- Localities
- Locality labels
- Permit sites
- Shoreline
- Hydrology
- Bathymetry:
  - < 0.5 m
  - 0.5 - 1.0 m
  - 1.0 - 2.0 m
  - > 2.0 m
- National Wetlands Inventory
- Bank height
- Bank erosion
- Bank cover
- Tidal Marsh Inventory
- Marsh buffer

Overview

4000 Feet
Submerged Aquatic Vegetation

Shoreline Assessment Mapper

Data Layers:
- Marsh buffer
- Beach buffer
- Other beaches
- Shoreline structures
- Shoreline access structures
- Intertidal flats
- SAV habitat
- SAV sanctuary in Chinook
- Baylor grounds
- Oyster reefs
- Open water
- Not surveyed
- USGS topos
- 2006-2007 VBMP image

Overview:

[Map of shoreline with various data layers selected]
Baylor Grounds and Restored Reefs
National Wetlands Inventory

Shoreline Assessment Mapper

Find address
Magnifier

Data Layers
- Locality labels
- Permit sites
- Shoreline
- Hydrology
- Bathymetry
- National Wetlands Inventory
- Bank height
- Bank erosion
- Bank cover
- Tidal Marsh Inventory
- Marsh buffer
- Beach buffer
- Other beaches
- Shoreline structures

Overview
- Washington, Arlington
- Richmond
- Norfolk
- Portsmouth, Virginia Beach

PFO4/1B (National Wetlands Inventory)
Type: PFO4/1B
Area: 51.53 acres

Add to Results

Identify
Zoom In
Zoom Out
Pans
Full Extent
Back
Forward
Go To Location
Shoreline Structures
Public/Private Access
Bank Height/Magnifier
“Go To” Locator

Shoreline Assessment Mapper

Go To Location

Degrees  Minutes  Seconds
Latitude:  37     23     8
Longitude: 76     28     45

Note: NAD83 is datum used. Positive latitude values are north, positive longitude values are west.
Address Locator

Shoreline Assessment Mapper

Find address

- **Address**: 215 Monticello Court
- **City**: Newport News
- **State**: 
- **Zip**: 23602
- **Country**: 

Magnifier

Data Layers

- Marsh buffer
- Beach buffer
- Other beaches
- Shoreline structures
- Shoreline access structures
- Intertidal flats
- SAV habitat
- SAV sanctuary in Chironomid areas
- Baylor grounds
- Oyster reefs
- Open water
- Not surveyed
- USGS topos
- 2006-2007 VBMP image
- Base

Overview

215 Monticello CT, Newport News, VA, 23602

2000 Feet
Look for updates

http://139.70.26.131:8008/ShorelineAssessmentMapper/