

2023 Shoreline Management Webinar



VIMS Shoreline Assessment Tools 101

August 2, 2023 10:00 AM – 12:00 PM Eastern

*Hosted by
Virginia Institute of Marine Science
Center for Coastal Resources Management*

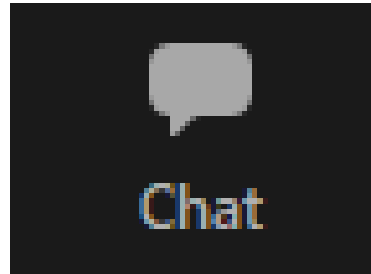
*with support from
NOAA and the Virginia Coastal Zone Management Program
Chesapeake Bay National Estuarine Research Reserve Virginia*



Zoom Webinar



Questions for Panelists



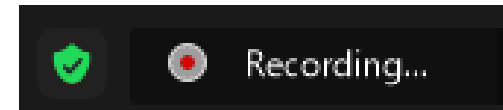
General Comments & Questions

Troubleshooting Help

Information to share



**Voluntary
Anonymous**



Webinar Recording

will be posted as soon as possible

VIMS Shoreline Assessment Tools 101: Participants Poll



CBLP Shorelines Training, Norfolk VA March 2023

VIMS Shoreline Assessment Tools 101

August 2, 2023

PANELISTS



Virginia Coastal Resources Tool

Karinna Nunez

Associate Research Scientist
CCRM Geospatial Modeling Manager



Shoreline Protection Suitability Assessments

Karen Duhring

Coastal Scientist



Sea Level Rise & Environmental Justice Tools

Molly Mitchell

Assistant Professor



Waterfront Land Use Resilience Assessments

Pam Mason

Senior Marine Scientist
CCRM Extension Manager



VIMS Shoreline Advisory Service

Mark Luckenbach

Associate Dean of Research and Advisory Service

Tidal Shoreline Management Resources & Tools

Produced By

CCRM
*Center for Coastal
Resources Management*

*VIMS Shoreline Studies
Program*

**VIMS Office of
Research & Advisory
Service**

PUBLICATIONS & GUIDELINES

Coastal Living Guides
Shoreline Management Handbook
Shoreline Inventory Reports
Shoreline Best Management Practices
Peer-Reviewed Research Articles

Shoreline Management & Protection Plans
Living Shoreline Design Guidelines & Reports
Breakwater & Sill Reports
Beaches & Dunes Reports
Regional Sediment Management

**JOINT PERMIT APPLICATION
VIMS COMMENTS**

ONLINE TOOLS

Shoreline Decision Support Tool
Sea Level Report Cards
Nature-Based Solutions
GIS Story Maps *by CCRM & SSP*
GIS Data

INTERACTIVE MAP VIEWERS

VA Coastal Resources Tool
AdaptVA
Elizabeth River Environmental Justice Tool
Tidewatch Map
Shoreline Change Map

Digital Handout available with links

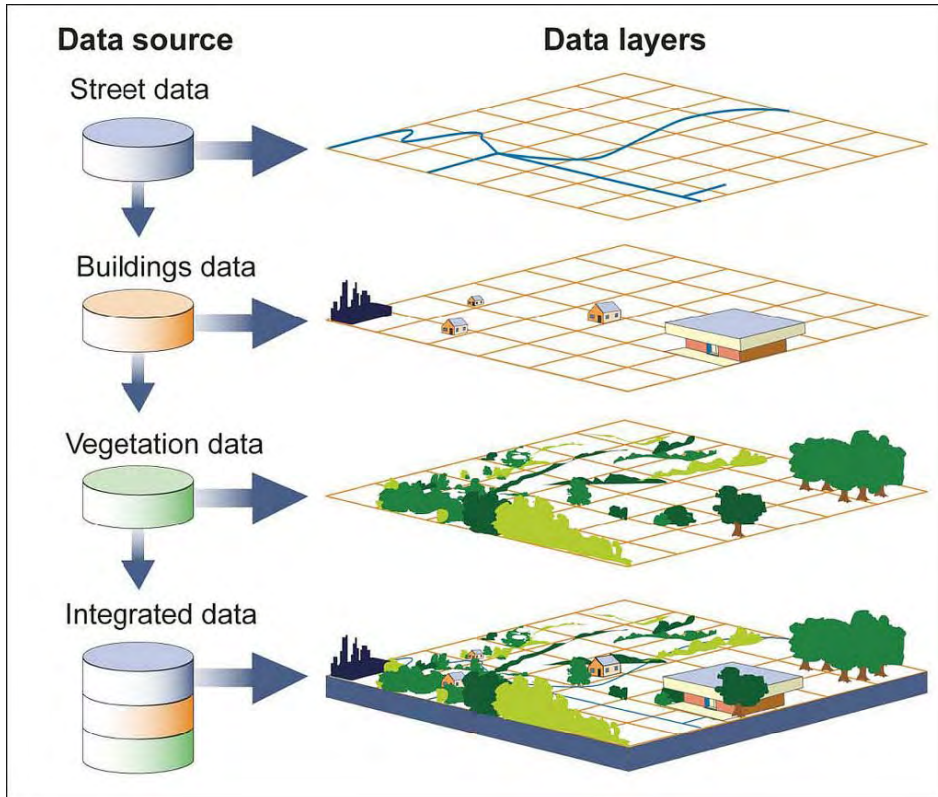
GIS Tools

What is GIS?

Geographic Information System

GIS software captures, manages, analyzes, and displays all forms of **geographically referenced** information in layers. **Geo-referenced**

Base layer is usually a map or aerial photo of a specific geographic location



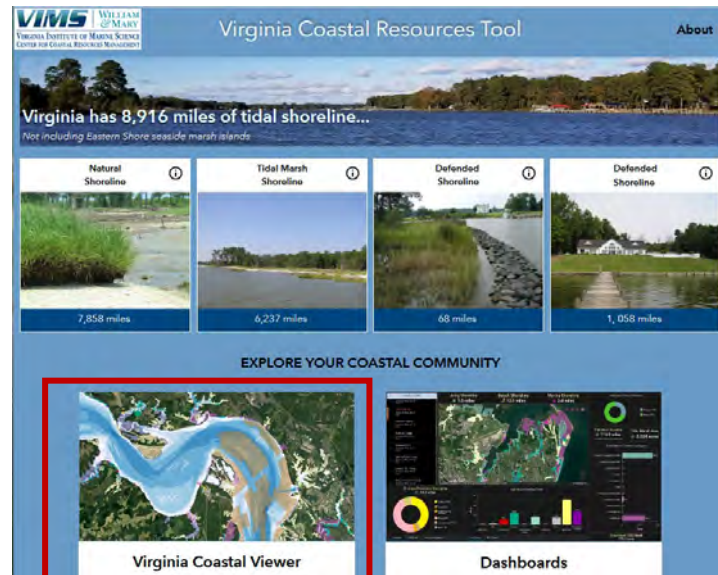
Source: GAO.

Interactive Map Viewers

Display GIS maps via Internet without need for ArcGIS or other software

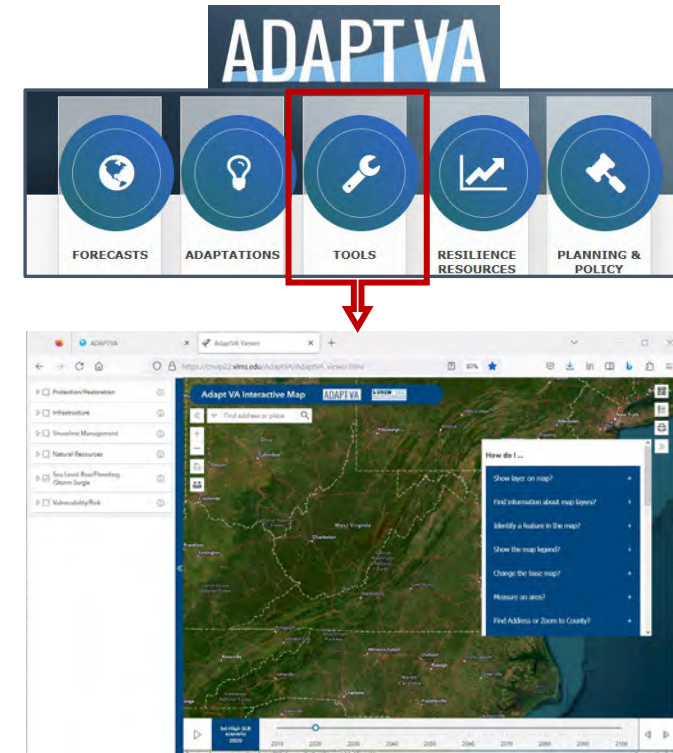
Deliver resource or issue specific data layers

Baseline Conditions



Virginia Coastal Viewer
Interactive map

Climate Change Information Gateway



AdaptVA Interactive Map

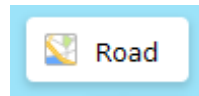
Interactive Map Viewers Common Controls

Menu

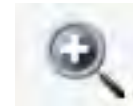
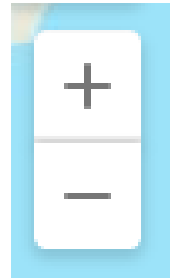


More

Base Maps



Zoom In & Out



Zoom to Locality

Find Address



with built-in
address databases

Interactive Map Viewers Common Controls

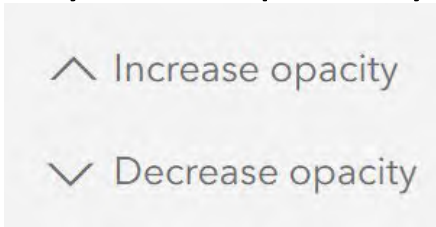
Data Layers



Layer Information



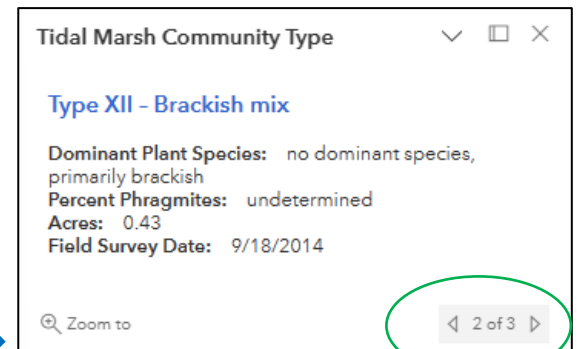
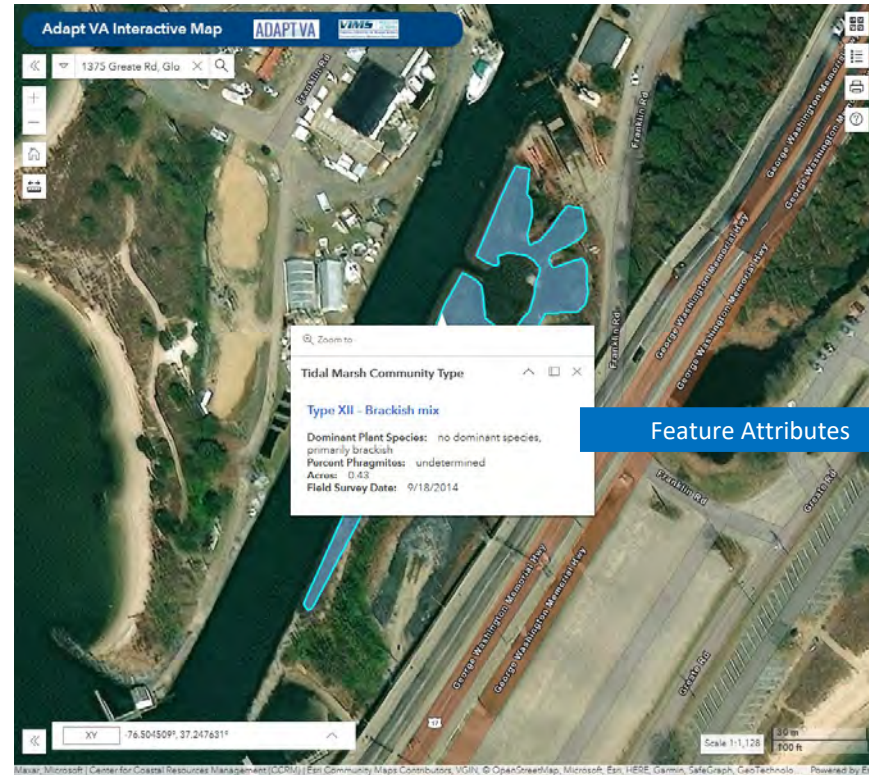
Layer Transparency



Selected Layers Legend



Click on Feature Identification

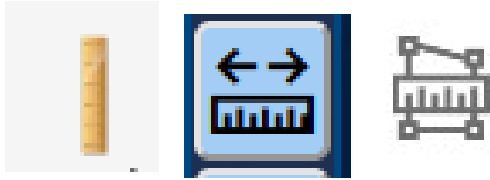


Indicates multiple layers
at the clicked location

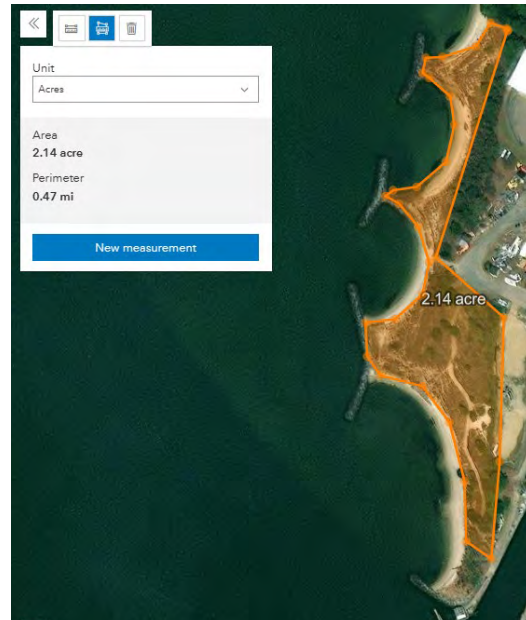
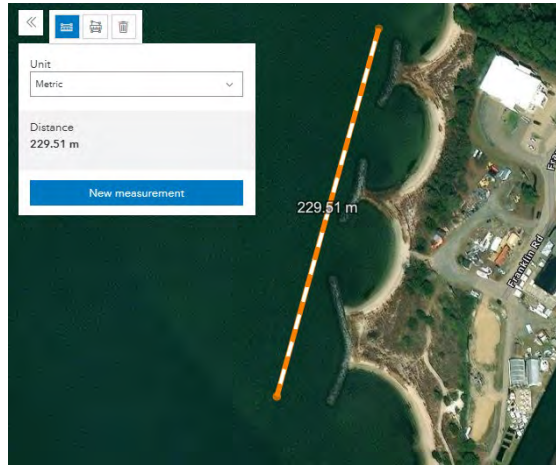
Scroll through pages to find
feature of interest

Interactive Map Viewers Common Controls

Measure Length & Area



Automatic unit
conversions



Help



Print - Export



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2023 Shoreline Management Webinar Series

5 Minute Break





Thank You for Attending

Feedback Welcome

Chat Message

Complete post-webinar evaluation survey

Send email

CCRMInfo@vims.edu