Coastal GEMS

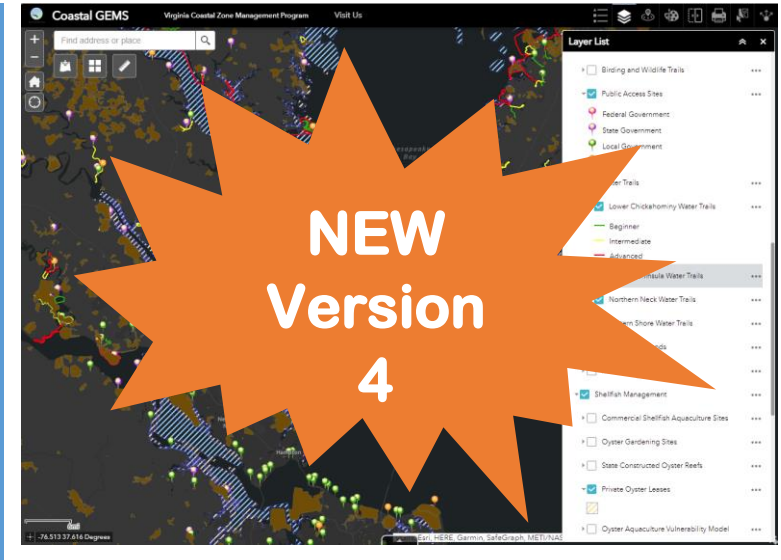## Geospatial and Educational Mapping System

A gateway to Virginia's coastal resource information, data, and maps.

www.coastalgems.org

Better access to scientifically sound information results in better planning and decision-making and the Virginia Coastal Zone Management Program (VA CZM) has been continually committed to collecting, synthesizing, and sharing coastal resource spatial data.

Coastal GEMS (Geospatial & Educational Mapping System) compiles over 100 data layers including water and land based natural resources along with conservation planning tools and useful contextual data.

Coastal GEMS is used by local and regional planning agencies, state and federal agencies, academic institutions, and the public to prioritize areas for conservation and habitat restoration, inform environmental review processes, explore public access availability, discover data available for research and modeling, and educate about Virginia's coastal resources.
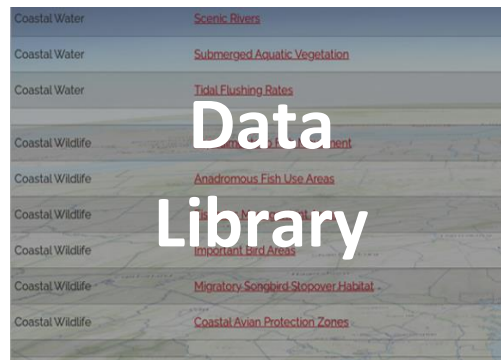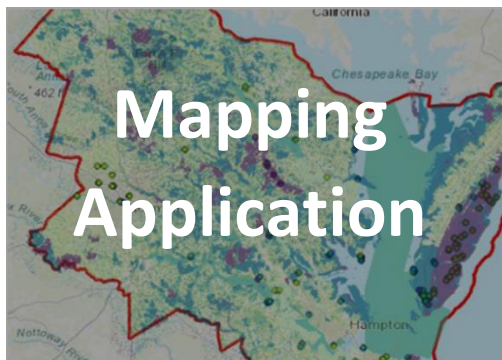
NEW Version 4

💻 Coastal GEMS v4 mapping application quick access guide

Map Legend · Layer List · What's Near Me? · Draw Tools · Swipe Tool · Print Map

Zoom In/Out · Default Extent · My Location · Add Data From Outside Source · Change Basemap · Measure Tools · Select Data · Share Map Link

Attribute Table Tabs · Access Attribute Tables · Attribute Filter and Export Functions

Legend

Coastal Land
Conservation Lands

Conservation Planning
Comprehensive Conservation Priorities
Virginia Ecological Value Assessment
- Outstanding
- Very High
- High
- Moderate
- General

Reference Layers
Virginia Coastal Zone Boundary

	Conservation Lands	Virginia Ecological Value Assessment	Virginia Coastal Zone Boundary

Options ▼ | Filter by map extent | Zoom to | Clear selection | Refresh

LANDLINK	LABEL	Name	Type	Agency	Owner	Access to public	Size (ac)	TOTALACRE	ACQDATE
http://www.dcr.virginia heritage/natural-area-preserves/capecharles	Cape Charles State Natural Area Preserve	Cape Charles	State Natural Area Preserve	VA Dept of Conservation and Recreation	VA Dept of Conservation and Recreation	open	20.76	49.57	2020-09-24
https://www.nps.gov/c	Captain John Smith Chesapeake National	Captain John Smith CHSPK NHT	National Park	US National Park Service	US National Park Service	open	263.07	263.07	2016-06-16

2061 features 0 selected

Coastal GEMS v4 includes an entirely new mapping interface with powerful new functions and tools. ⇧

More Than Just a Map!

The v4 mapping application has a new home on the all-new Coastal GEMS landing page. Navigating to www.coastalgems.org now takes you to the Coastal GEMS landing page, where you can launch the mapping application, explore our growing collection of story maps, or browse the new Coastal GEMS data library.

Mapping Application

Story Maps

Data Library

The new Coastal GEMS web mapping application has a clean interface and several new features and tools that allow users to perform GIS functions previously only possible using expensive desktop GIS software.

New features and tools in v4 include all these and more:

VA CZM has been creating story maps for several years, but until now there was not a single location where they could all be accessed. The story map page allows visitors to explore this growing collection of story maps associated with Coastal GEMS data layers and VA CZM initiatives.

The all-new data library provides an alternative way to browse the many data layers available through Coastal GEMS. It includes brief data abstracts and links to data sources, as well as the ability to view the full Coastal GEMS factsheets and open each layer in the Coastal GEMS map.

Share Maps

The "Share This Map!" tool creates a link that opens the mapping application with the data layers and map extent already selected, allowing you to share interactive maps that recipients can continue to explore and add too.

Add Outside Data

Using the "Add Data" tool, it is possible to search and add data from ArcGIS online, add data hosted as a web service, or add data from your own computer in shapefile, kml, or CSV format.

Access Attributes

Coastal GEMS v4 allows users to harness the full potential of GIS datasets, both spatial and non-spatial data, by viewing, selecting, filtering, and even exporting attribute data.

What's Near You?

The "What's Near Me?" widget to define a search radius for any point and see the features from all of the Coastal GEMS layers that fall within that area.

Schedule a Training

To learn more about the all new Coastal GEMS, contact VA CZM's GIS Coordinator, Nick Meade, to schedule a training customized to the needs of your organization. ✉ nick.meade@deq.virginia.gov ☎ 804-659-1910