

Coastal GEMS

Virginia's Coastal Geospatial and Educational Mapping System

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Coastal GeoTools
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Virginia Coastal Zone
MANAGEMENT PROGRAM



Virginia's Coastal Zone



Virginia Coastal Zone
MANAGEMENT PROGRAM

Protecting, restoring, and strengthening
our coastal ecosystems and economy



**SUBAQUEOUS
LANDS**
Marine
Resources
Commission

DUNES
MRC &
Local Wetlands
Boards



WETLANDS
MRC, DEQ &
Local
Wetlands
Boards



**SHORELINE
SANITATION**
Dept. Health



Virginia Coastal Zone
MANAGEMENT PROGRAM

FISHERIES
DGIF & MRC



**AIR
POLLUTION**
Dept.
Environmental
Quality



**DEQ
LEAD AGENCY**

**NONPOINT SOURCE
WATER POLLUTION**
DCR & Local Governments



**POINT
SOURCE
WATER
POLLUTION**
DEQ



**COASTAL
LANDS
MANAGEMENT**
Dept.
Conservation &
Recreation



What Resources Does VA CZM Have to Accomplish Its Goals?

- About \$2.6 million/yr federal funds from NOAA
- \$0 state funds from the General Assembly
- 6 staff positions





Virginia Coastal Zone MANAGEMENT PROGRAM



A Vision for Virginia's Coastal Zone



Blue Infrastructure Maps

What are the most important features in the water that we need to protect?



Green Infrastructure Maps

What are the most important features on the land that we need to protect?

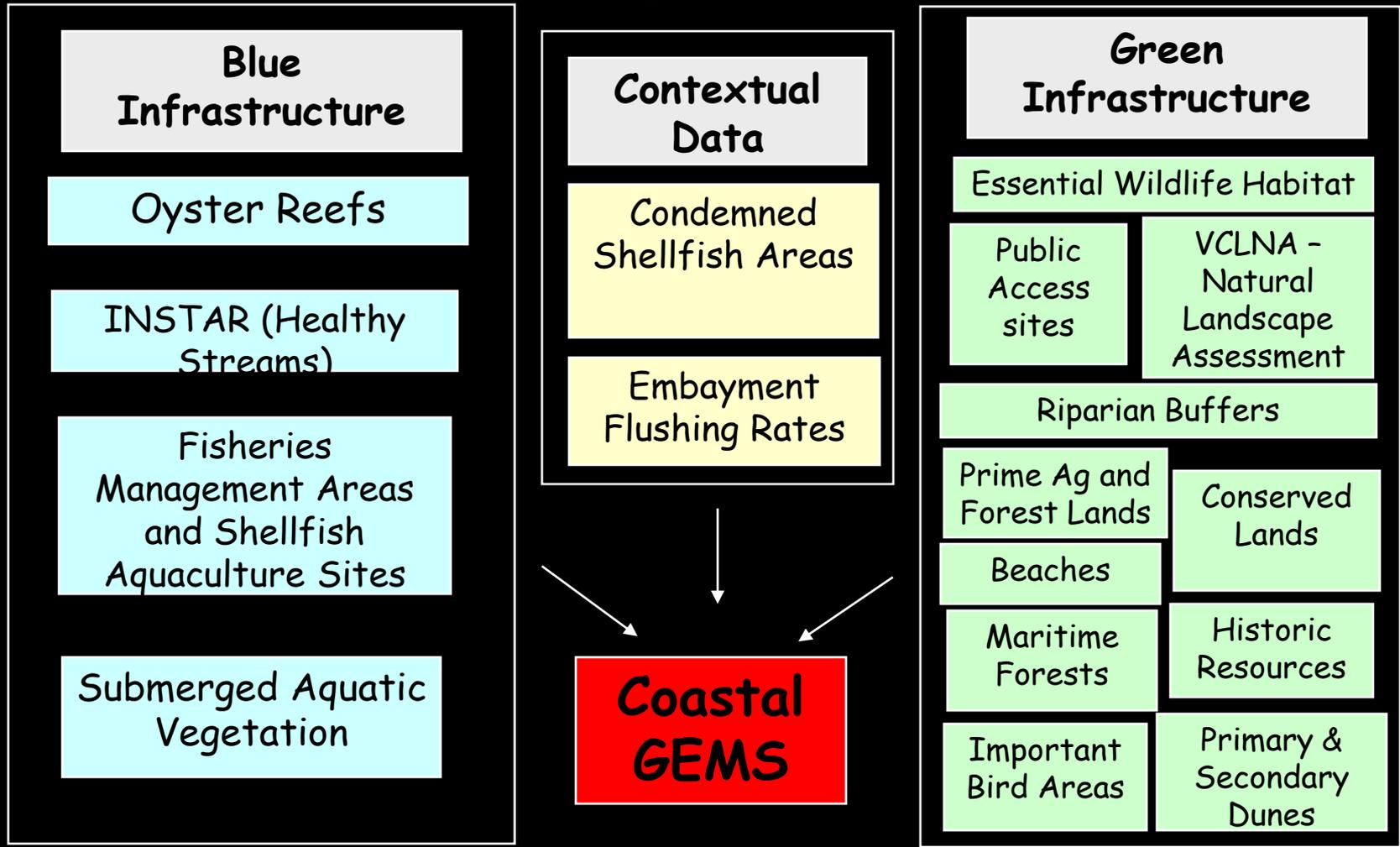


Data Contributing Partners



Big Picture

Need for an integrative tool to facilitate information sharing in the coastal zone



Coastal GEMS Partnership



NOAA



Coastal GEMS

Connects users to a *growing inventory* of

water and **land** based natural resource data (**blue-green** infrastructure)

- conservation planning tools
- examples of good coastal planning decisions

Promotes *community involvement* in coastal **land** and **water** conservation decisions through

- fact sheets (coastal resource values, laws and policies)
- direct links to agencies responsible for current data



Virginia DEQ - Virginia Coastal Zone Management Program - Microsoft Internet Explorer

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Address <http://www.deq.virginia.gov/coastal/>

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DEQ
Virginia Department of
Environmental Quality

Virginia DEQ Home > Virginia Coastal Zone Management Program

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- Help your coast

Virginia Coastal Zone
MANAGEMENT PROGRAM

Protecting, restoring, and strengthening our coastal ecosystems and economy

Executive Order Coastal zone map Projects Public Notices CZM contacts

 **New Five Year Strategy**
Virginia CZM is developing strategies to address high priority needs in areas such as integrated coastal planning, use conflict resolution and managing shorelines to better prepare for coastal hazards, improve habitat and water quality...
[Coastal Needs Assessment and Strategies](#) (Focus is on [Living Shorelines](#), [Coastal GEMS](#), Aquaculture Management, [Special Area Management Plans](#))

 **Virginia's Seaside**
Virginia CZM is restoring and protecting a global treasure. Shorebirds, [seagrasses](#) and shellfish are already increasing as a result, as are ecotourism and aquaculture opportunities...

 **Land Acquisition**
Virginia CZM acquires and protects sensitive coastal habitat. New federal funding may allow even more area to be protected...

 **Local Coordination**
Virginia CZM partners with eight coastal

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www.deq.virginia.gov/coastal/

Questions?



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