

## Available Tools

### Comprehensive Coastal Resource Management Portals (CCRMPs)

**url:** <http://www.vims.edu/ccrm/ccrmp/index.php>

**description:** Information to help implement Virginia's tidal shoreline laws and policies including general guidance for the entire coastal area and locality specific information.

Locality Portals		Shoreline Management Best Practices	
<a href="http://www.vims.edu/ccrm/ccrmp/portals/index.php">http://www.vims.edu/ccrm/ccrmp/portals/index.php</a>		<a href="http://www.vims.edu/ccrm/ccrmp/bmp/smm/index.php">http://www.vims.edu/ccrm/ccrmp/bmp/smm/index.php</a>	
Each locality portal is a gateway to current and historic shoreline management information, including interactive mapping tools, shoreline and tidal marsh inventory reports, sea level rise and flooding information, GIS data for downloading, and other locality-specific VIMS shoreline publications.		Guidance for choosing the most effective erosion control strategy while minimizing harmful practices based on surrounding shoreline conditions.	
Comprehensive Map Viewer	Sea-Level Rise Risk and Vulnerability Tool	Self-Guided Decision Tools	Shoreline Management Model
Each locality has its own map viewer. Select locality from Locality Portal list.	Each locality has its own map viewer. Select locality from Locality Portal list.	<a href="http://www.vims.edu/ccrm/ccrmp/bmp/decision_tools/index.php">http://www.vims.edu/ccrm/ccrmp/bmp/decision_tools/index.php</a>	<a href="http://www.vims.edu/ccrm/ccrmp/bmp/smm/index.php">http://www.vims.edu/ccrm/ccrmp/bmp/smm/index.php</a>
An interactive map viewer that displays shoreline conditions, preferred shoreline best management practices, one sea level rise scenario, and other pertinent layers (SAV, Conservation Lands, Bathymetry, etc.).	An interactive map viewer that illustrates sea level rise risk conditions.	A series of decision trees that leads users through questions about shoreline conditions to produce a best practice recommendation.	A GIS spatial model that determines appropriate shoreline best management practices using available spatial data and decision tree logic. To view spatial data, the user is referred to the Locality Portals.

### WetCAT

**url:** [http://cmap2.vims.edu/WetCAT/WetCAT\\_Viewer/WetCAT\\_VA\\_2D.html](http://cmap2.vims.edu/WetCAT/WetCAT_Viewer/WetCAT_VA_2D.html)

**description:** The Virginia Wetland Condition Assessment Tool (WetCAT) is an interactive online tool for assessing comprehensive and cumulative non-tidal wetland stress condition for habitat and water quality at multiple scales. The tool also provides information on permitted activities, impaired waters, surrounding landuse, wetlands mitigation as well as geoprocessing tools for cumulative impacts, downstream flow paths, and the contributing watersheds of specified points identified on the landscape.

## AdaptVA

url: <http://www.adaptva.org/>

**description:** ADAPTVA is a gateway to information for individuals, local programs, and agencies engaged in climate adaptation that focuses on the physical and social vulnerabilities by integrating the best available science, legal guidance, and planning strategies.

Tools		
<a href="http://www.adaptva.org/info/tools.html">http://www.adaptva.org/info/tools.html</a>		
Tools are available to help assess risk and vulnerability to climate impacts, build community resiliency against extreme events, and provide guidance to prepare and respond to a changing environment.		
Flood Risk: VFRIS	Shoreline Management	AdaptVA Interactive Map
<a href="http://cmap2.vims.edu/VaFloodRisk/vfris2.html">http://cmap2.vims.edu/VaFloodRisk/vfris2.html</a>	<a href="http://www.adaptva.org/info/tools_bmp.html">http://www.adaptva.org/info/tools_bmp.html</a>	<a href="http://cmap2.vims.edu/AdaptVA/adaptVA_viewer.html">http://cmap2.vims.edu/AdaptVA/adaptVA_viewer.html</a>
Virginia Flood Risk Information System (VFRIS) helps communities, real estate agents, property buyers and property owners discern an area's flood risk.	What is the best management strategy for your shoreline? Provides a link to the Comprehensive Coastal Resource Management Portal (CCRMP).	View water levels, social vulnerability, infrastructure and natural capital in one viewer.

Forecasts	Adaptations
<a href="http://www.adaptva.org/info/forecasts.html">http://www.adaptva.org/info/forecasts.html</a>	<a href="http://www.adaptva.org/info/adaptations.html">http://www.adaptva.org/info/adaptations.html</a>
Forecasting water levels, temperature, and precipitation helps mitigate impacts and plan resilient communities. Access a tide forecast & sea level projections for Virginia.	Case studies and story maps that illustrate how adaptation works. Topics are group by Shorelines, Infrastructure, Planning, and Funding.
Sea Level Viewer	
<a href="http://cmap2.vims.edu/SeaLevelRise_Depth/SLRDepth_revised4.html">http://cmap2.vims.edu/SeaLevelRise_Depth/SLRDepth_revised4.html</a>	
An interactive viewer that illustrates how deep and where will the water be from various sea level rise scenarios.	

Planning & Policy	
<a href="http://www.adaptva.org/info/planning.html">http://www.adaptva.org/info/planning.html</a>	
Management strategies from local and State code to socioeconomic issues and the Community Rating System. Learn about social vulnerability, relevant local ordinances, state legislation, and legal issues.	
Social Vulnerability	Legal Authorities & Analyses
<a href="http://cmap2.vims.edu/SocialVulnerability/SocioVul_SS.html">http://cmap2.vims.edu/SocialVulnerability/SocioVul_SS.html</a>	<a href="http://www.adaptva.org/info/planning_ord.html">http://www.adaptva.org/info/planning_ord.html</a>
An interactive viewer that represents the overall ability of a community to withstand a given disaster.	Search local ordinances related to sea level rise or recurrent flooding by locality or type of ordinance.