Scenarios/Questions & Tools to Use to Find Answers

I own waterfront property and want to stabilize the shoreline.

→ *Locality specific Comprehensive Map Viewer; AdaptVA Interactive Viewer; Self-Guided Decision Tools*

What are the shoreline protection structures in my creek and how many miles of shoreline are in my locality?

→ *Locality specific Comprehensive Map Viewer*

What resources in the water might impact pier construction and/or boat navigation?

→ *Locality specific Comprehensive Map Viewer; Shoreline Assessment Mapper (SAM)*

Is my property potentially at risk due to sea level rise?

→ *AdaptVA Interactive Viewer; Sea Level Viewer; locality specific (Comprehensive Map Viewer; Sea Level Rise Risk & Vulnerability Tool)*

How deep could the water be and when might it happen?

→ *AdaptVA Interactive Viewer; Sea Level Viewer*

Is my property in a FEMA flood zone? Do I need flood insurance?

→ *AdaptVA Interactive Viewer; VFRIS*

What is my community's vulnerability to withstand a natural or man-made disaster?

→ *AdaptVA Interactive Viewer; Social Vulnerability Viewer*

Are there super fund or hazardous waste sites in my locality?

→ *AdaptVA Interactive Viewer; Social Vulnerability Viewer*

How do I adapt to flooding?

→ *Story Maps*

Tools and links:

AdaptVA Interactive Viewer: http://cmap2.vims.edu/AdaptVA/adaptVA_viewer.html
Comprehensive Map Viewer (locality specific): http://www.vims.edu/ccrm/ccrmp/portals/index.php
Sea Level Rise Risk & Vulnerability Tool (locality specific):
http://www.vims.edu/ccrm/ccrmp/portals/index.php
Sea Level Viewer: http://cmap2.vims.edu/SeaLevelRise_Depth/SLRDepth_revised4.html
Self-Guided Decision Tools: http://www.vims.edu/ccrm/ccrmp/bmp/decision_tools/index.php
Shoreline Assessment Mapper (SAM): http://cmap2.vims.edu/SAM/ShorelineAssessmentMapper.html
Social Vulnerability Viewer: http://cmap2.vims.edu/SocialVulnerability/SocioVul_SS.html
Story Maps: http://www.adaptva.org/info/adaptations.html
VFRIS: http://cmap2.vims.edu/VaFloodRisk/vfris2.html

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	
http://www.vims.edu/ccrm/ccrmp/portals/index.php		http://www.vims.edu/ccrm/ccrmp/bmp/smm/index.php	
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.	http://www.vims.edu/ccrm/ccrmp/bmp/decision_tools/index.php	http://www.vims.edu/ccrm/ccrmp/bmp/smm/index.php
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

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		
http://www.adaptva.org/info/tools.html		
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**
http://cmap2.vims.edu/VaFloodRisk/vfris2.html	http://www.adaptva.org/info/tools_bmp.html	http://cmap2.vims.edu/AdaptVA/adaptVA_viewer.html
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
http://www.adaptva.org/info/forecasts.html	http://www.adaptva.org/info/adaptations.html
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	
http://cmap2.vims.edu/SeaLevelRise_Depth/SLRDepth_revised4.html	
An interactive viewer that illustrates how deep and where will the water be from various sea level rise scenarios.	

Planning & Policy	
http://www.adaptva.org/info/planning.html	
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**
http://cmap2.vims.edu/SocialVulnerability/SocioVul_SS.html	http://www.adaptva.org/info/planning_ord.html
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.