



Determining Living Shoreline Suitability

- Hydrodynamic settings
- Water Depth
- Sediment Type
- Fetch
- Bank Height
- Neighboring PropertiesSubaquatic Vegetation
- Riparian Vegetation
- Oyster Reefs
- Upland StructuresStorm Waves

- SunlightBoat Wake





Practical Living Shorelines Tailored to Fit in Chesapeake Bay



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Administration of the Living Shoreline Law

- Barriers to Implementation
 Cost of Installation
 Contractor Availability
 Design and Permitting Expertise
 Homeowner Comfort with the
- Homeowner Comfort with the Design Concept. Preference for lawn that leads to hardened structure Competing Natural Resources (SAV, Riparian Buffers)

Incentives to Implementation

- Cost Share Programs
- Expedited Permitting
- Regaining Eroded Property
- Contractors can "upsell" additional



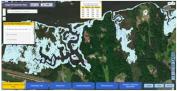




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Incorporating Sea Level Rise into Design

Proposed projects must allow the landward migration of existing vegetation over the useful life of the project using the 2017 NOAA Intermediate-High Projection Curve.



Online Resources for Identifying SLR Projections:

https://cwbipp.sec.usace.army.mil/rccslc/slcc_calc.html

https://msc.fema.gov/portal/advanceSearch







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Additional Resources	
VMRC Wetlands Guidelines:	
https://mc.virginia.gov/requisitions/Final-Wetlands-Guidelines-Euptate. 05-26-2021.pdf • Virginia Wetlands-Metlandbook http://ccrm.wims.edu/permits_web/guidance/handbook/index.html	
 Living Shoreline Design Guidelines: Hardaway et. Al. 	
https://scholarworks.wm.edu/reports/833/ • Shoreline Management in Chesapeake Bay	
https://www.dcr.virginia.gov/soil-and-water/document/shoreline-management- in-chesaceake-bay.pdf	
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