

## RESOURCES FOR VIRGINIA LIVING SHORELINE PROFESSIONALS

*Updated February 2020*

### Regional & General Permits

VMRC: Living Shoreline Group 1 General Permit for Certain Living Shoreline Treatments Involving Tidal Wetlands <http://mrc.virginia.gov/Regulations/fr1300.shtm>

VMRC: Living Shoreline Group 2 General Permit for Certain Living Shoreline Treatments Involving Submerged Lands, Tidal Wetlands or Coastal Primary Sand Dunes and Beaches  
<https://mrc.virginia.gov/Regulations/FR1330.shtm>

US Army Corps of Engineers Regional Permits: Look up RP-19 for activities over which the Virginia Marine Resources Commission and/or the local wetlands board have regulatory authority, including living shorelines <https://www.nao.usace.army.mil/Missions/Regulatory/RBregional.aspx>

US Army Corps of Engineers, Norfolk District: Regulatory Branch  
<https://www.nao.usace.army.mil/Missions/Regulatory/>

### Searchable Permit Records

VMRC Habitat Management Permits and Applications <https://webapps.mrc.virginia.gov/public/habitat/>

VIMS Shoreline Permit Records *prior to 2010* <http://ccrm.vims.edu/perms/newpermits.html>

### Design Guidelines & Courses

Living Shoreline Design Guidelines for Shore Protection in Virginia's Estuarine Environments Version 2.0  
C.S. Hardaway, Jr., Donna Milligan, Karen Duhring. 2017 <https://scholarworks.wm.edu/reports/833/>

VIMS Living Shoreline Design Guidance Classes *online materials*  
[http://www.vims.edu/research/departments/physical/programs/ssp/shoreline\\_management/living\\_shorelines/classes\\_info/index.php](http://www.vims.edu/research/departments/physical/programs/ssp/shoreline_management/living_shorelines/classes_info/index.php)

Living Shorelines Academy <https://www.livingshorelinesacademy.org/>

Living Shorelines Academy online course for Design & Construction Professionals  
<https://www.livingshorelinesacademy.org/index.php/learn/for-design-and-construction-professionals>

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## GIS Mapping Tools

AdaptVA – Tools <http://adaptva.org/info/tools.html>

Comprehensive Coastal Resource Management Locality Portals

<https://www.vims.edu/ccrm/ccrmp/index.php>

Shoreline Evolution Database 1937 – 2009 change analysis (2019 updates in progress)

[http://www.vims.edu/research/departments/physical/programs/ssp/shoreline\\_evolution/index.php](http://www.vims.edu/research/departments/physical/programs/ssp/shoreline_evolution/index.php)

Submerged Aquatic Vegetation SAV Inventory <http://web.vims.edu/bio/sav/>

VMRC Chesapeake Bay Map [https://webapps.mrc.virginia.gov/public/maps/chesapeakebay\\_map.php](https://webapps.mrc.virginia.gov/public/maps/chesapeakebay_map.php)

## Living Shoreline Summits & Workshops

**2020** James River Association Living Shoreline Collaborative Summit

<https://thejamesriver.org/livingshorelines/>

**2015 - 2019** Restore America's Estuaries Living Shorelines Technology Transfer and Regional Workshops

<https://www.estuaries.org/living-shorelines-national-technology-transfer-and-regional-workshops>

**2014** Living Shorelines in Virginia: Current Practices, Research & Policy *VIMS, Gloucester Point, VA*

<http://ccrm.vims.edu/Spring2014.html>

**2013** Mid-Atlantic Living Shorelines Summit: Where Have We Been? Where Are We Now? Where Are We Going? *Cambridge, MD* Summit Proceedings, key messages, & video & PowerPoint presentations

<https://dnr.maryland.gov/ccs/Pages/livingshorelines/training.aspx>

**2008** Putting Nature to Work: How to Design & Build Living Shoreline Projects *VIMS, Gloucester Point, VA*

<http://ccrm.vims.edu/education/seminarpresentations/fall2008/index.html>

**2006** Living Shorelines Summit & Peer-Reviewed Proceedings *Williamsburg, VA*

[http://www.vims.edu/cbnerr/coastal\\_training/recent\\_workshops/ls\\_summit.php](http://www.vims.edu/cbnerr/coastal_training/recent_workshops/ls_summit.php)

## General Information

VIMS Living Shorelines [https://www.vims.edu/ccrm/outreach/living\\_shorelines/index.php](https://www.vims.edu/ccrm/outreach/living_shorelines/index.php)

VIMS Teaching Marsh [https://www.vims.edu/ccrm/outreach/teaching\\_marsh/index.php](https://www.vims.edu/ccrm/outreach/teaching_marsh/index.php)

VIMS Living Shoreline Ecology Research

[https://www.vims.edu/ccrm/research/ecology/living\\_shorelines/index.php](https://www.vims.edu/ccrm/research/ecology/living_shorelines/index.php)