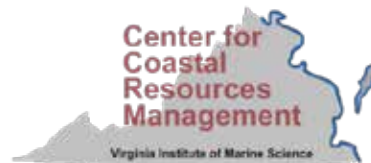


Shoreline Best Practice Case Studies: What Nature-Based Tidal Shorelines Look Like & How They Work

Thursday June 14, 2018
Virginia Institute of Marine Science
Gloucester Point, VA

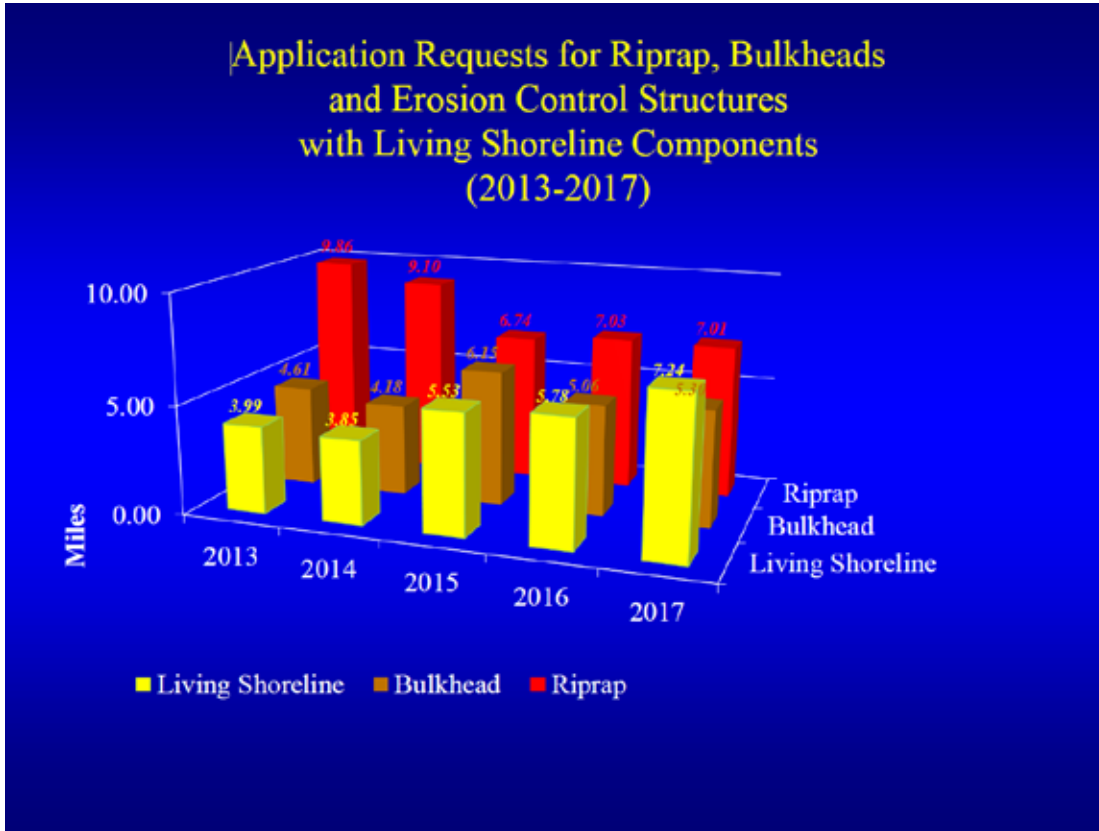


Funded in part by



Shoreline Program Updates

VMRC Permit Tracking



January 1 – June 8, 2018

| Structure | Miles |
|------------------|-------|
| Riprap | 2.82 |
| Bulkhead | 1.73 |
| Living Shoreline | 2.26 |

Source: VA Marine Resources Commission

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

VMRC Living Shoreline General Permits

streamlined permitting process as an incentive

Group 1 *in effect since 2015*

Certain specified sand fill, fiber logs, fiber mats, shell bags & temporary grazing protection

29 permitted projects issued to date

City of Norfolk (8)

Lancaster Co. (6)

City of Virginia Beach (4)

City of Chesapeake (3)

Gloucester Co. (3)

York Co. (2)

Mathews Co. (1)

Northampton Co. (1)

Westmoreland Co. (1)

VMRC Living Shoreline General Permits

streamlined permitting process as an incentive

Group 2 *in effect since 2017*

Certain specified sand fill, fiber logs, fiber mats, shell bags, riprap, woven containment bags, temporary grazing protection, establishment of oysters & ribbed mussels may be incorporated e.g. oyster castles

6 permitted projects issued to date

| | |
|------------------------|-------------------------|
| City of Chesapeake (2) | Oyster Castle® projects |
| Middlesex Co. (2) | Stone sills |
| Gloucester Co. (1) | Oyster shell bag sill |
| Mathews Co. (1) | Ready Reef sill |

Funding Support Program Updates

Virginia Conservation Assistance Program VCAP

First round of living shoreline cost-share projects = 14

Some now under construction

New applications currently being accepted

State Water Control Board – Virginia Water Facilities Revolving Fund

Middle Peninsula Planning District Commission homeowner loans

No other new programs yet

New CCRM Web Site

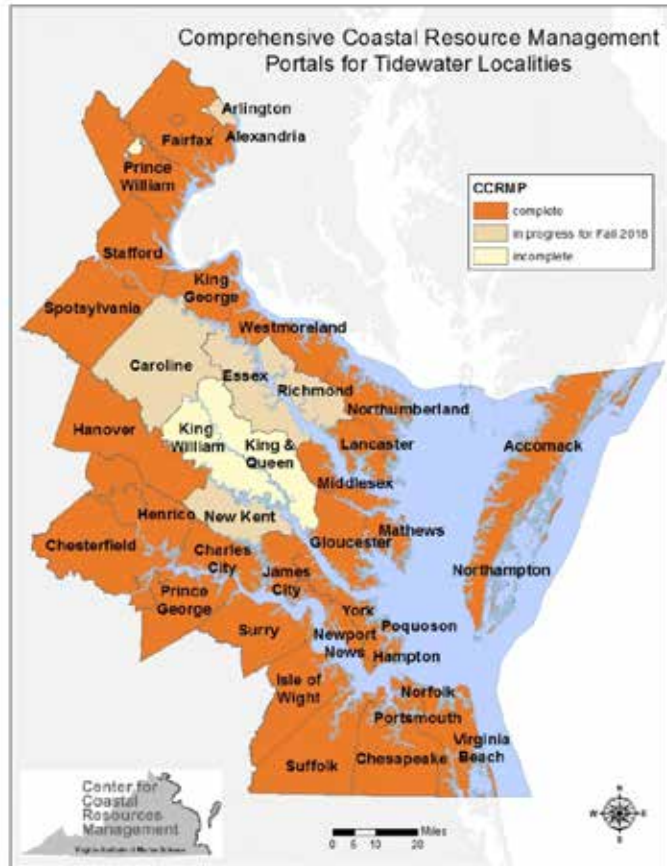
<http://www.vims.edu/ccrm/>



- VIMS template
- Automatic re-size for small screens *except for map viewers*
- Updated content
- Publications moved to William & Mary ScholarWorks *digital library archive service*

Comprehensive Coastal Resource Management Portals CCRMPs

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



- **Locality-Specific portals now available for all major coastal localities**
Smaller cities & towns included with larger adjacent or surrounding locality
- **Each Locality Portal includes:**
 - Interactive map viewer
 - Shoreline best practice recommendations
 - Shoreline & tidal marsh inventories
 - Comprehensive plan update guidance
 - Tidal shoreline laws & policies
 - Locality-specific shoreline publications & reports
- **4 more updates currently in progress 2018**
 - Richmond Co.
 - Essex Co.
 - Caroline Co.
 - New Kent Co.

Comprehensive Coastal Resource Management Portals CCRMPs

2017 Completed

Chesterfield Co. & area cities
City of Fredericksburg
Hanover Co.
Henrico Co.
Isle of Wight Co.
King George Co.
Spotsylvania Co.
Surry Co.

2018 in progress

Richmond Co.
Essex Co.
Caroline Co.
New Kent Co.

Learn more & practice using
Concurrent session 4
Hands-On Shoreline Management Tools

Thank You to Invited Speakers!

Workshop Presentations & Supporting Information will be posted
on a web site

Look for e-mail with link

Please fill out Workshop Evaluation form

&

leave on registration table or mail to address provided



Thank You for Attending!

Workshop Evaluation & Follow-Up

Karen Duhring karend@vims.edu (804) 684-7159

