

Sustainable Shorelines in Action: Successful Applications & Incentive Programs

Workshop Wrap Up
Announcements
Upcoming Events

Presentation Highlights

Pam Mason *VIMS-CCRM*

- Policy & funding activities underpinned by scientific research findings
- Living shoreline projects continue to increase
 - N= 106 before 2000, N=1187 in 2016
- ‘Greening up’ currently defended shorelines is possible
- Growing number of living shoreline projects support regional goals for nutrient reduction, aquatic habitat restoration & open space
- New & Developing Incentives include:
 - Funding & assistance from Landscape Conservation Cooperatives
 - Carbon sequestration – Blue Carbon
 - Ecotourism

Presentation Highlights

Permitting Incentives

Chip Neikirk *VMRC*

- Broad Code of VA Living shoreline definition
 - allows for many different techniques
- Group 1 general permit
 - covers wetland enhancement projects
 - in effect since September 2015
- Group 2 general permit
 - advisory committee review in progress
 - impact potential will require more scrutiny, e.g. Adjacent Property Owner approval

Melissa Nash & George Janek *USACOE*

- Close coordination with VMRC
 - During development of regional criteria & conditions
- New Nationwide Permit 54 Living Shorelines
 - Essentially replaces use of NWP 27
 - Similar to Regional Permit 19 which expires August 2018
- Trying to avoid permitting poorly designed projects
 - NWP 54 allows for maintenance & re-planting activities
- Anticipate time required for permit process
 - Early coordination suggested

Presentation Highlights

Financial Incentives

Lewie Lawrence *MPPDC*

- Leveraged existing DEQ program
 - [Clean Water Financing & Assistance](#)
 - [Living Shoreline Loan Program Guidelines](#) for other political subdivisions to join program
- General assembly sponsor(s) needed
 - to move from preferred policy to implementation tools
- Only one loan requirement
 - approved project permit from VMRC-Wetlands Board

Michael Ramsey *VCAP*

- Urban BMP cost-share program
 - Started in 2012
 - 20 Districts provide funding support for stormwater-related best practices
- All non-agriculture property owners qualify
 - Transfer of responsibility if owner relocates
 - Voluntary BMPs, non-regulated practices only
- Living shorelines - new cost-share BMP
 - Stormwater interception & filtering with vegetation
- Other VCAP BMPs can be included with shoreline projects
 - For example, conservation landscaping with native plants

Presentation Highlights

Regional Scale Incentives

James Davis-Martin *DEQ*

- TMDL mid-point assessment shows progress but population growth continues
 - More sediment reductions must come from agriculture & urban sectors
- Extra credit for vegetated stabilization
 - Shoreline hardening practice credits more stringent than nature-based practices
- Both BMP installation & function must be verified
 - Spot checks + remote sensing
- Collaborative monitoring & tracking necessary

Skip Stiles *Wetlands Watch*

- New evidence that shoreline real estate values are adjusting down
 - In response to flooding risks
- Community Rating System is voluntary program
 - to reduce flood insurance premium rates for all locality citizens
- General assembly actions incentivize more participation in CRS program
- Rate reduction values support cost-benefit analyses
 - Open space preservation credits
 - Individual living shoreline projects may not qualify, but may support larger open space goals in locality

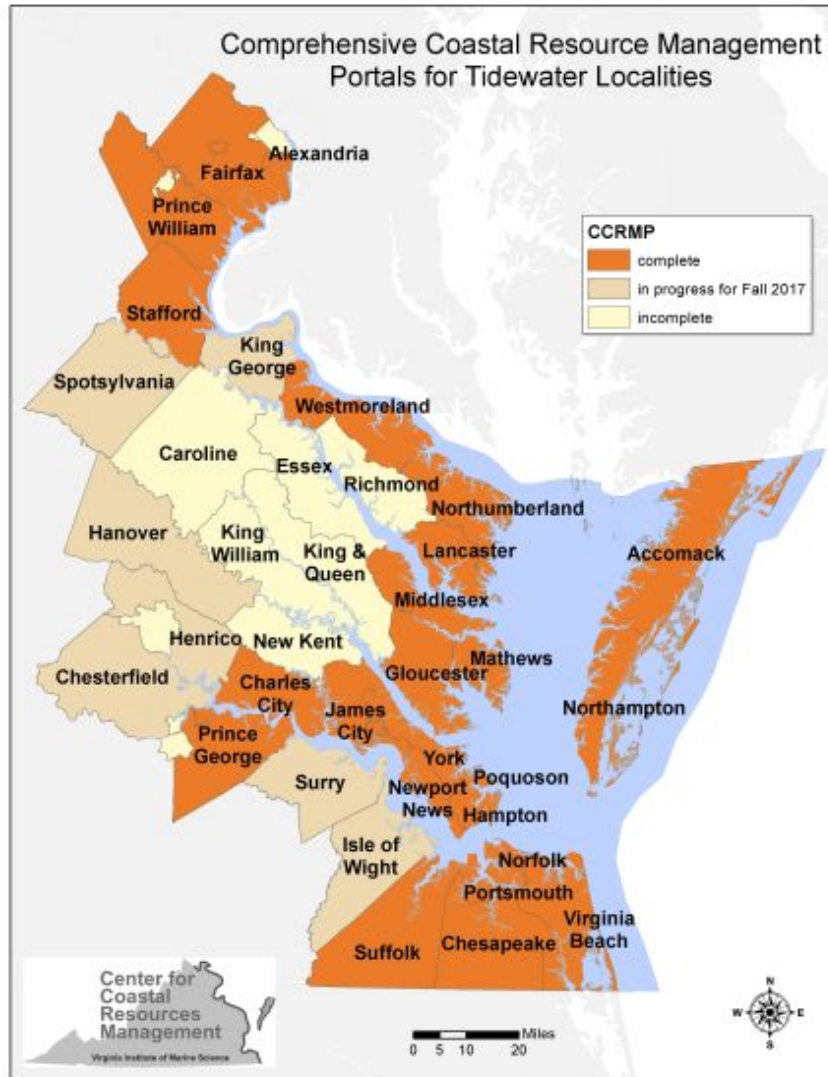
Presentation Highlights

2017 General Assembly Update

Emily Hein VIMS Research & Advisory Services

- New legislation passed:
 - Sand management general permit
 - Working waterfronts
 - Stormwater management administration & professional licenses
 - Property tax exemption for flood mitigation actions
 - Oyster aquaculture related
- Legislation did not pass:
 - Raising land disturbance area threshold
 - New Secretary for Coastal Protection & Flooding Adaptation

Comprehensive Coastal Resource Management Plans CCRMPs



- **26 Locality-Specific portals now available**
7 more currently in progress for Fall 2017
- **Each portal includes:**
 - *Interactive map viewer*
 - *Shoreline best practice recommendations*
 - *Shoreline & tidal marsh inventories*
 - *Comprehensive plan update guidance*
 - *Tidal shoreline laws & policies*

<http://ccrm.vims.edu/ccrmp/index.html>

Shoreline Erosion Advisory Service SEAS

Established in 1980 to assist private landowners & localities in Virginia with erosion problems

- Technical assistance
- Site investigations
- Written reports
- Plan reviews
- Construction inspections
- Information

<http://www.dcr.virginia.gov/soil-and-water/seas>

Chesapeake Bay Landscape Professional Certification Program CBLP



Network of sustainable
landscaping professionals

Voluntary credential system for
professionals who design, install,
and maintain sustainable
landscapes

Stormwater retrofit best practices
& conservation landscaping

- **2016 Pilot Program**

- 10 Virginia CBLPs
- Professional Directory available

- **Next Level 1 Training**

- *June 9-10, 2017 Richmond, VA*
- *July 18-19, 2017 Virginia Beach, VA*

cblpro.org



Virginia Coastal Zone
MANAGEMENT PROGRAM

Regional Native Plant Campaigns & Guides

Virginia Coastal Zone Management Program Initiative

Eastern Shore



Northern Neck



Northern Virginia



Southeast Virginia including Hampton Roads Region



New Climate Change Reports & Data

- Environmental Law Institute

[Developing Wetland Restoration Priorities for Climate Risk Reduction and Resilience](#)

- National Wildlife Federation

[Improved Use & Understanding of NNBF in the Mid-Atlantic](#)

- NOAA National Centers for Coastal Ocean Science – University of Maryland Center for Environmental Science – Chesapeake Bay National Estuarine Research Reserves of Virginia & Maryland – Chesapeake Environmental Communications

[Detecting Climate Change in Chesapeake Bay](#) *114 years of data*

SAGE Webinar Series



- **May 18** **Habitat Restoration Approaches to Improve Community and Ecosystem Resilience** Rick Bennett, *USFWS*
- **June 15** **The Ecological Effects of Sea Level Rise Program: Science to facilitate mitigation of coastal flooding impacts** David M. Kidwell, *Oceanographer, Ecological Effects of Sea Level Rise Program Manager, NOAA/National Centers for Coastal Ocean Science*
- **July 20** **Investing in Coastal Conservation and Building Resilience** Shannon Cunniff, *Director Coastal Resilience, Environmental Defense Fund*, and Erik J. Meyers, *Vice President Climate and Water Sustainability, The Conservation Fund*.

Register for webinars at SAGE web site **<http://www.sagecoast.org/>**

Thank You to Invited Speakers!

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

Look for e-mail with this [link](#)

Please fill out Workshop Evaluation form

&

leave on registration table or mail to address provided



Thank You for Attending!

Workshop Evaluation & Follow-Up

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