

Keeping Up with Shoreline Changes

July 14, 2022

Virginia Institute of Marine Science, Gloucester Point, VA



VIMS Center for Coastal Resources Management CCRM

Supports informed decision-making
on coastal resource management issues from global to local scales



- Climate Change & Coastal Resilience
- Coastal Inventory
- Marine Debris
- Modeling
- Coastal Ecology



VIMS Center for Coastal Resources Management CCRM

Tidal Shoreline Resources & Tools

Coastal Living Guides



MY FLOODING RISK

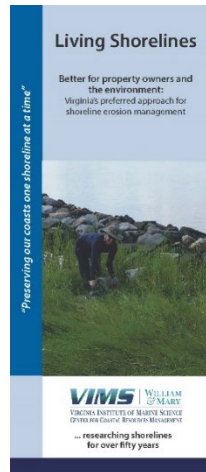
Learn about flooding, what you need to know if you live where flooding happens, and where to find that information ...



MANAGING MY SHORELINE

Find out how to address shoreline erosion and if you can use a living shoreline ...

[Link](#)

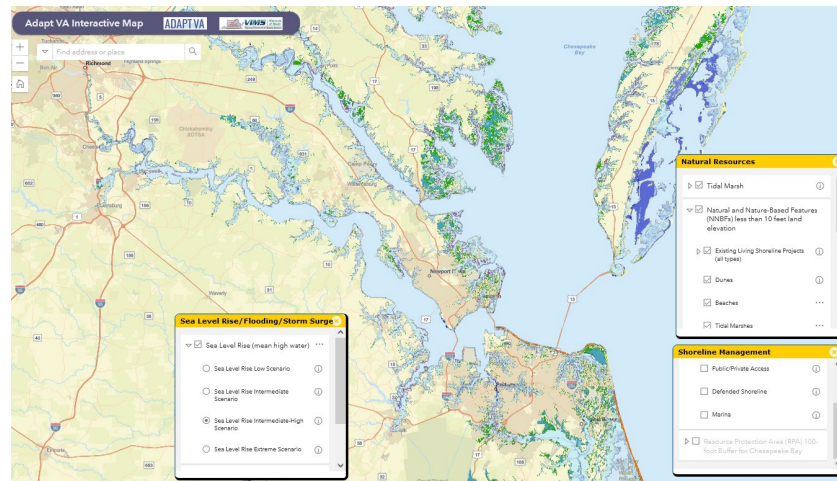


[Link](#)

[Shoreline & Tidal Marsh Inventory](#)
[Shoreline Management Model](#)
[Shoreline Decision Support Tool](#)

...much more

Interactive Map Viewers



[Link](#)

Shoreline Management Handbook [Link](#)

everything wetlands boards ...



BACKGROUND & PURPOSE

Why protect and manage tidal wetlands, beaches and dunes?



LAWS & JURISDICTIONS

What is the wetlands board jurisdiction, laws that apply, and guidance for following them?



PERMIT INFORMATION

Application forms, permit date and information requirements ...



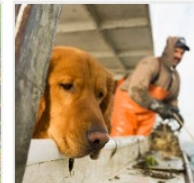
BEING ON A BOARD

Charge of the board, roles and responsibilities, meeting times and contacts ...



CONDUCT A HEARING

Public interest review, procedures, emergency and violation, letter templates ...



DECISION SUPPORT & TECHNICAL ASSISTANCE

Shoreline maps, decision tools, reports and more ...



RESTORATION FOR RESILIENCE & FUNDING

What about habitat restoration and climate adaptation projects?



COMPLIANCE & OTHER LEGAL INFORMATION

Following permitted projects to the end ...



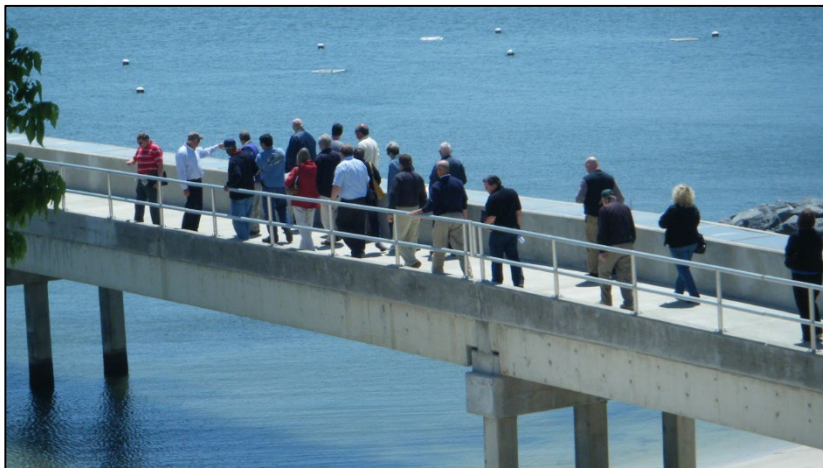
KNOW YOUR RESOURCES

Print this handbook and other items to help: website map, glossary, FAQ's, contacts, and more...

Tidal Shoreline Workshops

Annual meetings for
Virginia's tidal shoreline
management community
Since 1997

[CCRM Workshop Web Sites](#)



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Workshop Agenda Review

MORNING

Tidal Shoreline Program Updates

Concurrent Breakout Sessions

Box Lunches

AFTERNOON

Living Shorelines & Tidal Wetlands:
Status & Trends

Shoreline Management Funding
Support Program Updates

Upcoming Events &
Announcements

Workshop Agenda Review

Concurrent Breakout Sessions

Choose between 4 stations

2 x outdoors

2 x indoors

30-minute sessions repeated twice

Choose 1st station for Session 1

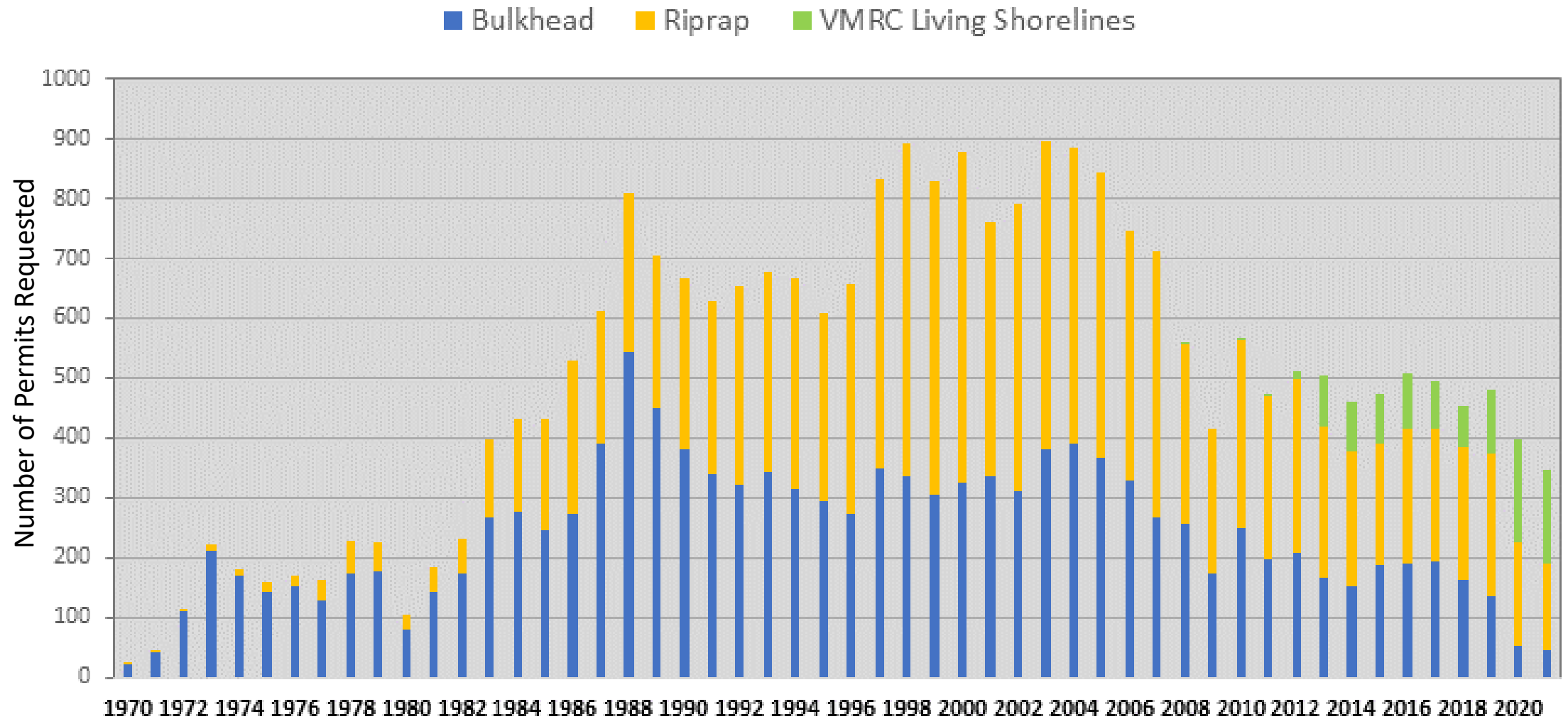
Choose 2nd station for Session 2

*See Breakout Sessions Handout
with Map & More Information*



Requested Tidal Shoreline Permits

1970-2021



Source: CCRM Permit Records Database

Living Shoreline General Permits issued to date

Group 1

In effect since 2015

N=66

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

[Link](#)

Group 2

In effect since 2018

N=149

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

[Link](#)

Living Shoreline General Permits Localities

40	Norfolk	5	Newport News
35	Lancaster	4	Richmond County
19	Middlesex	4	York
18	Northumberland	2	Accomack County
18	Virginia Beach	2	Hampton
16	Gloucester	2	Northampton
15	Mathews	1	King George
9	Westmoreland	1	New Kent
8	Chesapeake	1	Prince George
8	Isle of Wight	1	Stafford
7	Portsmouth	1	Surry

2021 Tidal Wetlands Guidelines Update

Minimum standards for the protection & conservation of wetlands

Ensure protection of shorelines and sensitive coastal habitat from sea level rise and coastal hazards

Consider 2017 NOAA Intermediate High sea level rise scenario projection (or any future updated projection) consistent with Virginia's Coastal Resilience Master Plan

Compliance with Chesapeake Bay Preservation Act as amended in 2020

And more....

- On-site jurisdictional determination guidance
- Risks & benefits provided by various shoreline treatments
- Establish performance criteria for permitted shoreline activities
- Identify preferred shoreline management options in the event best available science shows that a living shoreline approach is not suitable

[Link](#)



TIDAL WETLANDS GUIDELINES

Promulgated by the
Virginia Marine Resources Commission

Prepared by the
Habitat Management Division

with
contributions from the
Virginia Institute of Marine Science

Developed Pursuant to Chapter 13 Title 28.2, Code of Virginia

May 2021 Update

Upcoming Events & Announcements

www.cleanmyrivers.com

**Job Opening:
Chief Executive Officer**



**Application deadline:
August 15, 2022**

501 (c)(3) non-profit organization

The Chief Executive Officer provides leadership and day to day work for all aspects of the non-profit operations

- 1) Improving water quality of the City of Suffolk's rivers, creeks and tributaries.
- 2) Protecting the shoreline of the watershed through watchdog efforts ensuring proper enforcement of environmental regulations and policies.
- 3) Create and operate Environmental Education programs for K-12 and adult education.
- 4) Ensure long term viability of the organization through proper stewardship of current funding and growing through additional funding.

Submit application to: EdwardLMunson@gmail.com

Upcoming Events & Announcements



[Link](#)

September 14 1:00 – 3:30pm
General Meeting – Monitoring
VMRC, Ft. Monroe
& Phoebus Waterfront Park Living Shoreline



Living Shoreline Summit 2022

VIRTUAL Tuesday, Nov. 1st 2022 from 9:00 am - 12:00 pm

Outdoor Field Visit - Wed. Nov. 2 from 12:45 - 4:00 pm

Rain date for Field Visit is November 3rd

The Living Shoreline Summit focus is to create living shorelines for the future using current best practices and adaptive management in the context of climate change. Register and learn more at:

www.jamesrivershorelines.org/lsc



Upcoming Events & Announcements



Virginia Trees for Clean Water

\$700K available for proposals \$1-50K each

Applications due August 25, 2022 at 4:30 pm

Riparian Buffers

Community or Street Tree Plantings

Neighborhood-wide Projects

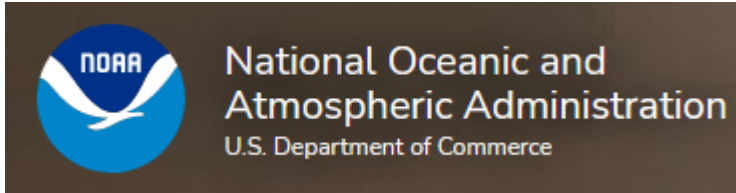
Turf-to-Trees (T2T) Projects

[Web Site](#) for More Information

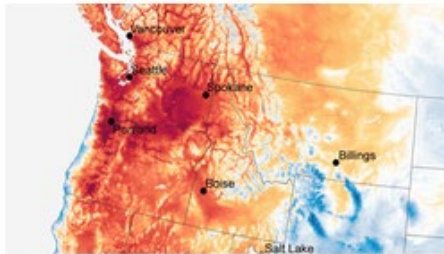
Funding Source(s):

Virginia Water Quality Improvement Funds & Department of Environmental Quality (DEQ) CB Rapp

Upcoming Events & Announcements



\$3 billion over 5 years



Climate data and services



Climate ready coasts



Fisheries & protected resources



[Link](#)

Transformational Habitat Restoration and Coastal Resilience Grants

[Link](#)

Coastal Habitat Restoration and Resilience Grants for Underserved Communities

Award Period 3 years

Closing Date September 30, 2022

Funding Source(s):

Bipartisan Infrastructure Law

Feedback & Additional Questions Welcome

Complete Workshop Evaluation

Send email CCRMInfo@vims.edu



www.vims.edu/ccrm

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Acknowledgements

All Presenters & Breakout Session Staff

CCRM Support Staff

Club Cart Shuttle Drivers

VIMS Facilities Management & IT Staff

All Participants



Virginia Coastal Zone
MANAGEMENT PROGRAM

