

Additional FY20 Workshop
Green Riprap
Proposal Score Results

Approved Workshop	Approved Funds
(#1) Understanding Genetics for Successful Conservation and Restoration of Resilient Chesapeake Bay Brook Trout Populations	\$10,000
(#2) Advancing Regenerative Agriculture: Exploring Barriers and Incentives to BMP Adoption	\$10,000
(#3) Overcoming the Hurdle: Addressing BMP Implementation Through a Social Science Lens	\$10,000

Total FY2020 Workshop Budget= \$50,000

Total of Approved Funds= \$30,000

Remaining= \$20,000

Total FY2020 Workshop Budget= \$50,000

Total of Approved Funds= \$30,000

Remaining= \$20,000

Additional Requested Funds= \$10,000

Remaining if Approved= \$10,000

(Can utilize remaining funds for other STAC activities)

Additional Workshop Proposal	Requested Funds	Average Score out of 4 (n=7)
(#4) Assessing Water Quality, Habitat, and Social Benefits of Green Riprap (Responsive)	\$10,000	3.27

Summary of Proposed Workshop

“Green Riprap is a low cost, simple restoration technique used to improve the water quality, habitat, and aesthetics of shorelines hardened with rock revetments. Green Riprap involves planting marsh vegetation in the voids between riprap rocks. **Green Riprap is not a substitute for living shorelines.** This technique also can be used in sills and other rock features associated with living shoreline projects. Green Riprap provides another tool for waterfront homeowners and river groups to improve water quality in the Bay/river while creating a more natural look along their shoreline.

We propose a two-day workshop to be held in Fall 2020 to synthesize the state-of-the-science on green techniques for riprap revetments and identify research needs. This workshop will gather experts in living shorelines, Green Riprap, and shoreline/marsh ecology. A field trip to several sites is proposed as part of the workshop. Participants will be provided background information to review prior to the workshop. Workshop outcomes will include lessons learned from recent case studies and recommendations for next steps to evaluate the potential for these projects as a new, creditable Best Management Practice (BMP) for nutrient/sediment load reduction and/or encouraged community practices to mitigate shoreline hardening.”

Comments from STAC Member Scoresheets

The workshop will have more relevance to urban areas, if organizers consider including freshwater plants and the unique conditions in urban settings.

Responsive to management board, thus relevant. Strong steering committee. Workshop objectives/outcomes could be clarified. Will it address the top-level question; is green rip rap an effective approach to help meet Bay goals, and if so what are “best practices” for implementing, including science gaps?

This seems to be a BMP evaluation, something more appropriate for the expert panel process

The proposed workshop is very relevant to increase the resiliency of Chesapeake Bay shorelines and Green Riprap is a developing tool that warrants more investigation. I suggest that the invite list include community leaders/homeowners, since a challenge with Green Riprap or living shorelines is demonstrating and proving these techniques are equal or better than hard structure in protecting their shoreline property.

Impact of COVID on Fall 2020 in-person meeting plan?

I would recommend including more practitioners from more groups on the Steering Committee. Separately from scoring of this proposed workshop, but relevant and hopefully discussed, is if/how including this practice as a BMP would incentivize more wetland loss to armoring

It is unclear to me how widespread this practice currently is and if there is any evidence that it is effective in controlling water quality. Thus, I wonder if there is enough current information to draw from? Perhaps this approach is a palatable, middle of the road shoreline protection option that may have the potential for widespread adoption, which would warrant a workshop to organize and synthesize the merits of the practice.

Move to Approve Funding?