



Gibson Island, MD

## Assessing the Water Quality, Habitat, and Social Benefits of Green Riprap

**Virtual Workshop:  
September 15th 2021, 9 am to 5 pm EST**

Shoreline conditions have declined in the Chesapeake Bay as a result of pressures from coastal populations, particularly shoreline modifications (armoring) that harm important coastal habitats including marshes and submerged aquatic vegetation (SAV). Bay-wide, about 16 percent of tidal shoreline is armored with riprap revetments or bulkheads, and 26 percent of tidal shoreline is armored in Maryland and 10 percent in Virginia (CCRM 2019). Shifts in preferences for shoreline management practices to nature-based approaches (living shorelines) have been underway for about 20 years. Innovations in shoreline restoration are continuing at a rapid pace and there is growing interest in 'greening' existing armored (riprap) shorelines to achieve an ecological uplift. Please join the [Scientific and Technical Advisory Committee](#) (STAC) and our partners for a one-day [virtual workshop](#) synthesizing the state-of-the-science on green techniques for riprap revetments and identifying research needs.

[Register for Virtual Workshop](#)

**In-person field trip:  
September 20, 2021, noon**

In addition to a 2-day virtual workshop, there is an optional in-person field trip to completed USGS green riprap projects in the Annapolis area on **September 20<sup>th</sup> at noon**. Lunch will be provided. Please contact STAC Staff at [colem@chesapeake.org](mailto:colem@chesapeake.org) for more information.

[RSVP for Annapolis field trip](#)

