

Maryland Shoreline Stabilization Mapper (MSSM) - Recommended Shoreline Practices Glossary

(based on VIMS Shoreline Management Model version 5.1)

Beach Nourishment with or without Structural Containment: If existing or historic beach present, nourish with sand, consider offshore breakwaters or another type of wave attenuation device with beach nourishment; consider adding plantings to the nourished areas.

Breakwater: Structural shoreline stabilization measure comprised of a segmented or non-segmented stone structure that is typically placed offshore parallel to the shoreline designed to dissipate wave energy and reduce erosion.

Living Shoreline: Remove existing shoreline structure if present; install a living shoreline dominated by marsh vegetation, which may include structures such as sills and oyster reefs.

Replacement Bulkhead: A replacement bulkhead may be constructed if a functional bulkhead is present; this may include the addition of a stone toe to the base of the bulkhead.

Revetment: Remove existing non-functional shoreline structure, if present. Construct a new revetment with minimized channelward extents.

Special Considerations

Ecological Consideration: Management options for this shoreline may be limited by the presence of Submerged Aquatic Vegetation (SAV), Rare, Threatened, or Endangered (RTE) species/habitat. Seek advice from the Tidal Wetlands Division of MDE.

Highly Modified Area: Management options for this shoreline may be limited due to the presence of Federal navigation channels, highly developed upland (e.g. commercial wharfs), channel modifications (e.g. canals) or infrastructure directly adjacent to the shoreline (e.g. road). Seek expert advice on the design of your project.

Land Use Management: This shoreline has unique features and shoreline management considerations. Forces other than tidal erosion, such as over-land runoff, upland development, and vegetation management are likely also having an effect on bank

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conditions. Assessment of all factors and modifications to address causes for bank erosion are recommended. Seek advice from the Tidal Wetlands Division of MDE. May require consultation with multiple agencies.

No Action Needed: Specific management actions may not be necessary., e.g., boat ramps, undeveloped marsh, and barrier islands.

Special Geomorphic Feature: Maintain the natural condition of this shoreline to allow for unimpeded sediment movement and the corresponding response of wetlands, beach and/or dune. If primary structures are present and threatened, seek expert advice on the design of your project.