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GIS Data: Anne Arundel County, Maryland – Living Shoreline Suitability Model Data 2022

Karinna Nunez
Virginia Institute of Marine Science, karinna@vims.edu

Tamia Rudnicky
Virginia Institute of Marine Science, tamia@vims.edu

Sharon Killeen
Virginia Institute of Marine Science

Jessica Hendricks
Virginia Institute of Marine Science

Catherine R. Duning
Virginia Institute of Marine Science

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***Karinna Nunez**, Virginia Institute of Marine Science*
***Tamia Rudnicky**,* Virginia Institute of Marine Science
***Sharon Killeen**,* Virginia Institute of Marine Science
***Jessica Hendricks**,* Virginia Institute of Marine Science
***Catherine R. Duning**,* Virginia Institute of Marine Science

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Abstract:

This geospatial dataset is the output generated by applying the Living Shoreline Suitability Model (LSSM), developed by the Center for Coastal Resources Management (CCRM), Virginia Institute of Marine Science (VIMS), in the tidal shoreline of Anne Arundel County, MD. The application of the LSSM has the purpose to enhance and streamline regulatory decision making in Maryland by identifying shoreline best management practices for tidal shoreline erosion control.

The LSSM compiles nine attributes from various databases: land use, shoreline structures, bank height, tidal marshes, beaches, fetch, roads, permanent structures, bathymetry, and tributary designations. They are all integrated through a series of model pre-steps, into one linear feature. The single file was then processed through a final model to produce 11 shoreline best management practice recommendations for tidal shoreline and adjacent upland banks. All processing steps occurred in ESRI's ArcMap, and ArcGIS version 10. 7 using models created in ArcGIS ModelBuilder or Python.

File Description Table:

File Name	Description
AnneArundel_MSSM_FileGDB.gdb	This is a geospatial file (ESRI File Geodatabase) displaying best management practices for tidal shorelines in Anne Arundel County, Maryland. The file can be visualized in ArcGIS Desktop and ArcGIS Pro. Metadata is embedded in the layer, and can be viewed via ArcCatalog.

Keywords
Shoreline Inventories, Maryland, GIS, Data, Management

Access Data at: https://doi.org/10.25773/vt6w-h932

Publication Statement
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ORCID Numbers for Authors:
Karinna Nunez ORCID #: **0000-0002-7764-5486**