



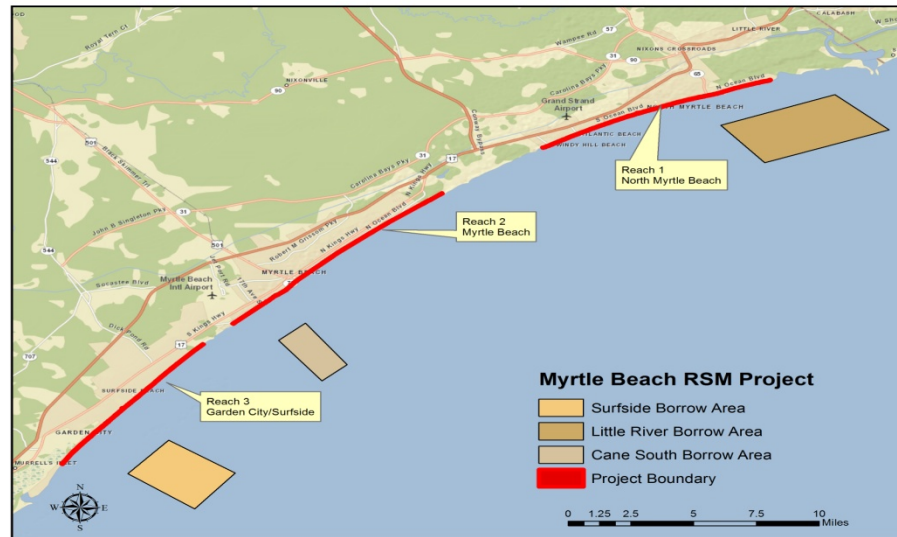
Regional Sediment Management Program

Myrtle Beach Shore Protection GIS



Description

The project area, often referred to as the Grand Strand, lies on the northeastern Atlantic Ocean coast of South Carolina, or more properly on Long Bay, a concave indentation of the coast. The Myrtle Beach Shore Protection Project encompasses three separate reaches with different non-Federal sponsors for each reach. The goal is to centralize the Folly Beach (FY12) and Myrtle Beach Shore Protection (FY13) projects first in a compliant GIS format then apply a regional approach using current and future CE Dredge tools and applications.



Issue/Challenges

The Charleston District has been collecting geospatial datasets for the Myrtle Beach Shore Protection Project since 1995. There has been a lack of GIS Best Management Practices (BMP)'s with regards to data management resulted over 10,000 spatial data files not in compliance with USACE and Federal Standards. The Charleston District has several datasets that are Non-SDSFIE format, Non FGDC Metadata compliant, and contain gaps in the datasets that leads to inconsistency in decision making. By centralizing the geospatial data and placing it in an eGIS environment it will enhance our planning, implementation and management capabilities. The proposed Myrtle Beach RSM eGIS database will provide coastal data for SAD and will be able to share these datasets through the CE Dredge program. By incorporating and implementing the Myrtle Beach datasets into the CE Program it will provide standardized tools and analysis capabilities for future shore protection projects.

Successes Lessons Learned Expected Products

- eGIS federal compliant files
- SDSFIE datasets with metadata
- Updated Sediment database
- Final check of imported data to comply with SDSFIE standards, creation of Map Services, and migration of services to Portal and CE-Dredge viewer

Potential Users USACE Charleston District

Projected Benefits The project will provide standardized tools and analysis capabilities for future shore protection projects.

Leveraging Opportunities The Myrtle Beach Shore Protection Project will be supported by Project Condition Surveys (PCS) to perform a laser scan survey for all three reaches in FY13.

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Participating Partners No sponsor will be involved in this phase of the project.