

NAVARRE BEACH MANAGEMENT PLAN

Client: Santa Rosa County, FL



A non-federal beach restoration project at Navarre Beach was designed to restore a critically needed protective buffer to the upland along approximately 4 miles of gulf shoreline repeatedly damaged by multiple storms. The project was also designed to re-establish important recreational and economic benefits for the area including 0.7 miles of beach and dune at the Navarre Beach State Park Recreation Area. The Florida Department of Environmental Protection's Bureau of Beaches and Coastal Systems co-sponsored the project with Santa Rosa County. This project won American Shore and Beach Preservation

Association's (ASBPA) 2010 Best Restored Beach award.

Coastal Tech completed a reconnaissance level geotechnical investigation which identified potential borrow areas to provide approximately 14 million cubic yards of sand suitable for the initial construction of a Navarre Beach restoration project and future re-nourishment projects. The investigation included bathymetric and seismic surveys, 33 vibracores, laboratory and compatibility analysis, and development of "plans and specification" level geotechnical data.



To assist Santa Rosa County in developing a funding source, Coastal Tech assessed economic benefits associated with alternative beach fill templates and prepared mechanisms to raise the 50% local match required by FDEP. To implement the recommended project, Coastal Tech advanced the project fill design and applied for permits from FDEP and the USACE.

In 2005, Coastal Tech received the FDEP and USACE permits for the project and was contracted by the County to perform construction administration for the 2006 nourishment. Currently, Coastal Tech is performing physical monitoring of the completed project to document project performance while continuously updating the need and schedule for future maintenance. In addition, we are 'on-call' to assist the County with assessing any storm impacts and recommend interim repairs.



Key Elements

- ☉ Sand Search
- ☉ Public Workshops
- ☉ Funding Plan
- ☉ MSBU
- ☉ Design
- ☉ Permitting
- ☉ Construction Administration
- ☉ Post-construction monitoring

Date: Since 2000

Cost: \$18,000,000

Contact:

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Santa Rosa County

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