Abstract

Streamlining Coastal Monitoring Programs With GIS in Martín County, Florida

Track: Ocean, Coastal, and Marine Resources

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The Coastal Division in Martin County's Engineering Department maintains data covering 21 miles of beach coastline and 114 miles of inland waterways. The division also houses data from its extensive offshore artificial reef, beach nourishment, and water quality monitoring programs. Effective management requires rapid access to this information coupled with the capability for rapid analysis. This paper gives an overview of the structure and organization of the Martin County coastal geodatabase and the data handling and analysis tools developed to help the county with its coastal management and monitoring programs.

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