Abstract

LINK TO PAPER

Coastal Mississippi Land Development Suitability Model
Track: Ocean, Coastal, and Marine Resources
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The Mississippi Department of Marine Resources' Comprehensive Resource Management Plan (CRMP) developed a non-regulatory regional planning tool, called the Coastal Mississippi Land Development Suitability Model, for guiding coastal development and environmental change. The model used ArcView and ModelBuilder in the ArcView Spatial Analyst extension to identify areas more suitable for development and, conversely, areas more suitable for preservation according to mutually agreeable criteria. The tool is used by local jurisdictions to assess environmental conditions, address growth management issues, accommodate sustainable development, and reduce pressure on coastal wetlands and marine resources. The paper will present the model inputs, results, and examples of its use.

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