

Inlet Management Study for John's Pass and Blind Pass, Pinellas County, Florida

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Interaction of barrier-island beaches and tidal inlets play a crucial role in sustainable coastal living, particularly for central and south Florida. Tidal inlets serve as important waterways connecting ocean and estuaries. Maintaining safe navigation through the tidal inlets often interferes with beach processes, causing beach erosion. This study will investigate the interaction between barrier-island beaches and a dual inlet system through field measurements and numerical modeling. The goal is to develop a scientifically sound management plan for the two inlets that balance the needs for safe navigation and healthy beach environments along the adjacent barrier islands.