



**US Army Corps
of Engineers®**

Engineer Research and
Development Center

Coastal Inlets Research Program

Coastal Inlet Geomorphic Evolution

Problem Morphologic change at coastal inlets is varied, complex, and can occur over decades to centuries. Federal navigation projects will alter the coast for great spatial and temporal ranges.

Research Approach Analyze geomorphic evolution at inlets, including responses to jetties and maintained navigation channels, and develop models to predict morphology change at year, decade, and century scales.

Labs/others involved CHL: All coastal Districts and their consulting companies in testing software.

Final Products Inlet Reservoir Model; GIS analysis products for navigation channels, inlet morphologic features, and adjacent beaches.

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