



US Army Corps
of Engineers®
Engineer Research and
Development Center

Inlets Online

US Army Corps of Engineers
US Army Engineer Research and Development Center
Inlets Online
Applied COASTAL

INLET BEACH PROCESSES
INLET BEACH MORPHOLOGY
ENGINEERING ACTIVITIES
GLOSSARY OF TERMS
SELECT A SITE

Inlets Online

Inlets Online is an information and analysis resource on tidal inlets, navigation channels, and the adjacent beaches. It is intended to serve as a tutorial for non-specialists as well as an information center for specialists in the areas of coastal engineering, geology, oceanography, and coastal zone management.

ANALYSIS METHODS
ANALYTICAL TOOLBOX

CIRP Coastal Inlets Research Program
CHL Coastal and Hydraulics Laboratory

We hope your browsing experience is informative and productive. Our goal is to continually update the site with new data on Federal inlets, navigation channels, and adjacent beaches to provide useful information for coastal engineers and scientists, coastal zone managers, and non-specialists. Continued development and use of this site will benefit directly from suggestions and comments provided by its users. Please take a moment to register your comments regarding the site and its contents by providing [Feedback](#).

Inlets Online Home page

Technology

[Inlets Online](#) is a Web-based information and analysis resource on tidal inlets and adjacent beaches, navigation channels, and U.S. Army Corps of Engineers (USACE) Operation and Maintenance activities at these sites. Maintained by ERDC's [Coastal and Hydraulics Laboratory](#) (CHL) as a part of the [Coastal Inlets Research Program](#) (CIRP), the site supports a wide variety of users, from providing educational resources and information for nonspecialists, to technical documentation, methodology and analytical tools for professionals. Material is organized into seven focus areas: Inlet and Beach Processes, Inlet and Beach Morphology, Engineering Activities, Analysis Methods, Analytical Toolbox, Glossary, and Site Examples. A primary component of Inlets Online is a reference database of aerial photography and historical information documenting all 159 federally maintained inlets. Users can retrieve inlet information by clicking on a site location map or topographic site map or searching the database by USACE Division or

District names. The retrieved information includes a general topographic site map, brief description of engineering activities, and a list of available aerial photography.

Problem Technical and historical resources for inlets are scattered. Information regarding site configuration and physical characteristics are out of date. Limited resources are available to the educator and researchers for teaching inlet processes.

Expected Cost To Implement No cost to user. Inlets Online is accessible free or charge via any personal computer connected to the World Wide Web.

Benefits/Savings Benefits users by providing a one-stop location for inlet processes, analytical resources, and data.

Status Inlets Online is currently available for use; content expansion and improvement are planned in FY05.

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Distribution Sources Accessible to the public on the World Wide Web at URL:
<http://www.oceanscience.net/inletsonline/>

Available Documentation Documentation is available in the form of a USACE Coastal and Hydraulics Engineering Technical Note, [CHETN IV-51](#).

Byrnes, M.R., Li, F., and Rosati, J.D. (2002). "Inlets Online: A tutorial for evaluating inlet/beach processes using aerial photography," ERDC/CHL CHETN IV-51, U.S. Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS. <http://chl.erdc.usace.army.mil/library/publications/chetn/pdf/chetn-iv-51.pdf>

Available Training Training is not necessary for this product.

Available Support Support is available through research partner, Applied Coastal Research and Engineering, Falmouth, MA. Contact Mark R. Byrnes, mbyrnes@appliedcoastal.com