Coastal Changes Due to Sea-Level Rise:

One of the most important applied problems in coastal geology today is determining the physical response of the coastline to sea-level rise. Predicting shoreline retreat, beach loss, cliff retreat, and land loss rates is critical to planning coastal zone management strategies and assessing biological impacts due to ...

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Description: GIS data files for the Coastal Vulnerability to Sea-Level Rise: A Preliminary Database for the U.S. Atlantic, Pacific, and Gulf of Mexico Coasts.

Spatial coordinates

Dataset Citation

Dataset Creator: Erika S. Hammar-Klose and E. Robert Thieler
Dataset Title: Coastal Vulnerability to Sea-Level Rise: A Preliminary Database for the U.S. Atlantic, Pacific, and Gulf of Mexico Coasts
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Location Keywords
CONTINENT > NORTH AMERICA > UNITED STATES OF AMERICA > U.S. ATLANTIC COAST
CONTINENT > NORTH AMERICA > UNITED STATES OF AMERICA > PACIFIC COAST
CONTINENT > NORTH AMERICA > UNITED STATES OF AMERICA > GULF OF MEXICO COAST

Science Keywords
HUMAN DIMENSIONS > ENVIRONMENTAL IMPACTS > ENVIRONMENTAL ASSESSMENTS > COASTAL VULNERABILITY
OCEANS > COASTAL PROCESSES > BARRIER ISLANDS

ISO Topic Category
BIOTA
ENVIRONMENT
OCEANS
ELEVATION

Platform
FIELD INVESTIGATION

Quality
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Ancillary Keywords
GIS
Geographic Information Systems

Data Set Progress
COMPLETE

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Data Center

Data Center Personnel
Name: PETER N. SCHWEITZER
Phone: (703) 648-6533
Fax: (703) 648-6252
Email: pschweitzer@usgs.gov
Contact Address:
Mail Stop 954 National Center
U.S. Geological Survey
12201 Sunrise Valley Drive
City: Reston
Province or State: VA
Postal Code: 20192
Country: USA

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Personnel
TYLER B. STEVENS
Role: DIF AUTHOR
Phone: (301) 614-6898
Fax: 301-614-5268
Email: Tyler.B.Stevens@nasa.gov
Contact Address:
NASA Goddard Space Flight Center
Global Change Master Directory
City: Greenbelt
Province or State: MD
Postal Code: 20771
Country: USA

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Klein, R, and Nicholls, R, 1999, Assessment of Coastal Vulnerability to Climate Change. Ambio, 28 ...

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