



DIGITAL COAST

CONNECTIONS

Dear Colleague,

In our [recent survey](#) 71% of coastal managers say preparing for climate change is one of their top priorities.

That's why we're excited to announce the expanded coverage of our [Sea Level Rise Viewer](#). This planning tool, which is used to visualize how sea level rise may impact communities, now covers most of the coastal U.S (Louisiana and Alaska being the exception). Data and map services used to develop the tool are also available for download.

Another announcement: a new tool is in the works, a [viewer](#) that provides an innovative way to compare historical and modern maps. Understanding the historical context (anyone have filled marsh in their city limits?) helps pinpoint future flooding problems. Please take a look and [let us know](#) if you have suggestions about where our next test location should be.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug Marcy".

Doug Marcy
Hazard Specialist
NOAA Coastal Services Center



These images show the Beau Rivage in Harrison, Mississippi, first with no sea level rise and then with simulations of three and six feet of sea level rise.

Stories from the Field

Digital Coast Data and Tools in Action

[Visualizing Coastal Flooding Vulnerabilities to Plan for Resilience in New Jersey](#)

Sea level rise is a worldwide phenomenon with local challenges and the need for local solutions. To assess the vulnerability of key infrastructure, New Jersey decision makers turned to the [Sea Level Rise Viewer](#) and customized it to suit New Jersey's specific needs. The resulting [NJ Flood Mapper](#) was used to compare Sandy storm surge with various levels of sea level rise, along with analyzing future flood zones, potential marsh restoration projects, and community emergency preparedness plans. Visit the [Sea Level Rise Viewer](#) to get the data needed for your community resilience projects.

New and Updated Data

Demographic

- American Community Survey (13 new records)
- Decadal Demographic Trends (13 new records)

Economic

- Economics: National Ocean Watch – updated

Elevation

- 2009-2011 California Coastal Conservancy Coastal Topobathy Project: Digital Elevation – updated

Imagery

- 2014 Miami, Florida, Integrated Ocean

[Providing Easily Accessible Maps to Aid Ecosystem Restoration in the Gulf of Mexico](#)

The Gulf of Mexico faces multiple stressors that impact the region's environmental well-being. To assist in overcoming these issues, Ocean Conservancy used data from the [Digital Coast](#) and [MarineCadastre.gov](#) to create 55 PDF maps that show habitats, environmental stressors, and human uses. The easy-to-understand and comprehensive maps help Ocean Conservancy advocate for marine restoration and ecosystem management through public engagement.

Additional Updates

Learn About Vessel Tracking in our Upcoming Webinar

Join the Digital Coast, [MarineCadastre.gov](#), and partners to learn about [vessel traffic data](#) collected by the U.S. Coast Guard and repurposed for ocean planning needs. The [webinar](#) will be on June 2 at 3 p.m. Eastern time and will feature guest speakers discussing how they used this data set from the Bureau of Ocean Energy Management, NOAA's Office of Coast Survey, and the Channel Islands National Marine Sanctuary.

Training Calendar

See what trainings are coming up in the [Training Calendar](#).

News from our

and Coastal Mapping Digital Sky Survey Infrared 8-Bit Imagery – updated

- 1944 Guam Historical 8-Bit Imagery – updated
- 2012-2013 Coastal Georgia Disaster Monitoring Constellation 4-Band 8-Bit Imagery – updated
- 2013 Lake Charles, Louisiana, Mean High Water Integrated Ocean and Coastal Mapping (IOCM) Digital Sky Survey Infrared 8-Bit Imagery – updated
- 2013 Lake Charles, Louisiana, Mean High Water IOCM Digital Sky Survey Natural Color 8-Bit Imagery – updated
- 2014 Key West, Florida, IOCM Digital Sky Survey Infrared 8-Bit Imagery – updated
- 2014 Key West, Florida, IOCM Digital Sky Survey Natural Color 8-Bit Imagery – updated
- 2014 Miami, Florida, IOCM Digital Sky Survey Natural Color 8-Bit Imagery – updated
- 2014 Victoria, Texas, IOCM Digital Sky Survey Infrared 8-Bit Imagery – updated
- 2014 Victoria, Texas, IOCM Digital Sky Survey Natural Color 8-Bit Imagery – updated

Jurisdictions and Boundaries

- Coastal Zone Management Act Boundary – updated
- Environmental Protection Agency Region Boundaries – now from an external source
- United States Army Corps of Engineers Civil Works Districts – updated, now from an external source
- United States Army Corps of Engineers Regulatory Boundary – updated, now

Coastal Colleagues

from an external source

[Newsletter Focuses on Coastal Counties](#)

Coastal counties now have a new source of information, the *Coastal County* newsletter, which brings relevant resources, stories, and projects to assist county and local officials. Many U.S. counties are situated on the coast and therefore deal with unique issues and concerns. This new resource is produced by the National Association of Counties. [Sign up](#) for the newsletter today.

Land Cover

- 2010 C-CAP Regional Land Cover

Marine Habitat

- Artificial Reefs – updated
- Critical Habitat Designations – updated

Ocean Uses and Planning Areas

- Maintained Channels
- Ocean Uses: California
- Wrecks and Obstructions – updated

Physical and Oceanographic

- Environmental Sensitivity Index Shoreline
- Seismic Water Bottom Anomalies



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