Dear Colleague,

This year marks 10 years of serving up coastal management resources through NOAA's Digital Coast to the people who need them. Can you believe that in 10 years we've created over 130 stories from the field, added a robust training section with case studies and more, and been valued at a 411 percent return on investment?

We've grown to be a suite of products from data to training that helps managers make decisions about complex issues, and we want to thank you for helping us make the Digital Coast what it is today. We can't wait to see what the next 10 years have in store!

Sincerely,

Lori Cary-Kothera
Science and Geospatial Services Operation Manager
NOAA Office for Coastal Management
Stories from the Field
Digital Coast Data and Tools in Action

Using Natural Infrastructure to Reduce Runoff and Protect Corals
Sediment runoff and pollution pose threats to many coastal areas, leading to poor water quality and negative impacts on coral reefs. Incorporating natural infrastructure techniques, such as building gravel parking lots and planting native vegetation, can greatly improve water quality and decrease these impacts. Managers can then use NOAA’s OpenNSPECT tool to assess the effectiveness of their methods. See what they did in Puerto Rico.

Identifying Historical Wetland Habitat Changes
Historical comparison of habitat and wetland extent is an important component of estuary conservation. Using NOAA’s land cover data in this process allows managers to gain insight into the extent of change, the main causes for change, and habitat types suitable for recovery and protection. The Lower Columbia Estuary Partnership

Data Updates
New and Updated Data Sets*

Elevation
• 2015 North Carolina Lidar
• 2015 and 2016 Michigan Lidar
• 2016 Post Hurricane Matthew Lidar

Imagery
• 2015 Florida
• 2016 Virginia
• 2016 Florida
• 2016 Ohio
• 2016 Michigan

Ocean Uses and Planning Areas
• Oil and Gas Leasing Withdrawal and Moratoria Areas
• Oil and Gas Proposed Final Program Areas 2017-2022

Physical and Oceanographic
• Gulf of Mexico Deepwater Bathymetry Contours 100 ft, 100 m, 500 ft, 500 m, 1000 ft (Bureau of Ocean Energy Management)
• Gulf of Mexico Deepwater Bathymetry Contours 100 m, 500
used this method for its conservation and management plan.

**Additional Updates**

Communicate Risks Effectively, Inspire Risk-Wise Action
A key element of communicating effectively about risk is identifying the audience’s diverse values and concerns and using that information to design a communication approach. The goal is a high level of community engagement—and action. A new publication helps community leaders understand and connect with stakeholders and inspire risk-wise behavior through improved communication.

Be a Part of Improving the Digital Coast Website
The Digital Coast was just revamped, but we never stop trying to improve. Help us assess changes to the site. Contact us if you would like to participate in our usability testing.

Training Calendar
See what trainings are coming up in the training calendar.

See a full list of the new and updated data, or subscribe to the data updates newsletter.

*Some data sets do not cover the entire state.*

**News from Our Coastal Colleagues**

Guide Helps Communities Use Nature to Address Flooding
Learn more about nature-based solutions and identify which ones work best with this guide from the Nature Conservancy. The guide includes case studies of successful projects from across the country. This information helps communities understand how to incorporate nature-based solutions into local planning, zoning, regulations, and built projects. Smart nature-based solutions provide multiple benefits, giving communities high returns on their investments in terms of flood-risk reduction strategies.