



DIGITAL COAST

CONNECTIONS

Dear Colleague,

The word “resilience” gets tossed around a lot these days. But making sure your community is resilient is no fleeting matter. Luckily, the folks behind Digital Coast know this and are ready with a variety of tools and resources that can help you build resilience plans with staying power.

Worried about flooding? Use our [Sea Level Rise Viewer](#) to see how your community might be impacted by climate change, and see [how New Jersey customized this](#) tool to meet their specific needs.

Need to prep for a hurricane? We have too many [resources](#) to count. Use them!

Thinking some economic numbers might help make your case? Our [snapshots](#) provide quick access to county-level economic data about coast-dependent jobs.

Struggling to write a strategic plan that addresses community needs? We have a [workbook](#) and [how-to](#) guide to lead you through the process.

To see resilient ecosystems in action, visit your local research reserve during National Estuaries Week, the last week in September. Head over to our [Facebook](#) and [Twitter](#) pages to learn more.

Sincerely,

A handwritten signature in black ink, appearing to read "Nicholas Schmidt", is placed over a light gray rectangular background.

Nicholas Schmidt
Chief, Science and Geospatial Division
NOAA Coastal Services Center



Ship Bottom, New Jersey, used the [Sea Level Rise Viewer](#) to show three feet of sea level rise. This view shows the critical facilities (schools, fire stations, and police stations) and evacuation routes that will be inundated under this scenario.

Stories from the Field

Digital Coast Data and Tools in Action

[Communicating Flooding Risks around the Great Lakes](#)

Flood risks are well known around the Great Lakes, although most homeowners are not aware of their home's proximity to damaging waters. Managers from Brown County worked with personnel from the [Association of State Floodplain Managers](#) to gather photos from two at-risk residential properties. Using an easy-to-use NOAA tool, [CanVis](#), managers created visualizations that bring home the flood risk message for all homeowners in the area.

[Locating and Assessing Western Lake Erie's Restorable Wetlands](#)

The western Lake Erie basin was once home to an extensive wetland, one that was larger than the Everglades. Unfortunately, 95 percent of the wetland has been lost. As part of a wetland restoration strategy, managers used NOAA's [C-CAP land cover data](#) to create a restorability score model for

Data Updates

Elevation

- 2006 New Jersey Statewide Lidar: Highlands Area
- 2012 U.S. Army Corps of Engineers (USACE) Topobathy Lidar: Lake Michigan (Indiana, Illinois, Michigan, Wisconsin)
- 2013 Natural Resources Conservation Service – U.S. Geological Survey Lidar: Lauderdale (Mississippi)
- 2013 USACE Topobathy Lidar: Dare and Currituck Counties (North Carolina)

Imagery

- 2013 San Francisco Bay North, California Mean High Water (MHW) Integrated Ocean and Coastal Mapping (IOCM) DSS Infrared 8 Bit Imagery
- 2013 San Francisco Bay North, California MHW IOCM DSS Natural Color 8 Bit Imagery
- 2013 San Francisco Bay South, California MHW IOCM DSS Infrared 8 Bit Imagery
- 2013 San Francisco Bay South, California MHW IOCM DSS Natural Color 8 Bit Imagery

Ocean Uses and Planning Areas

- Bureau of Ocean Energy Management Marine Hydrokinetic Planning Areas
- Coastal Energy Facilities – updated
- Department Of Defense Offshore Wind Mission

the basin. This model is now a web-mapping interface that enables users to prioritize wetland research, management, and restoration efforts in this location. The tool is making restoration efforts more focused and spatially connected.

Additional Updates

If a Picture is Worth 1,000 Words, How Much is a Map Worth?

Mapping technology continues to advance. From paper maps to computer maps and now on to story maps, technology is increasing the amount of helpful information that can be included in a small space. The NOAA Coastal Services Center strives to put this technology to good use. Recent story map information products include [explaining how to find safe anchor](#), [Hurricane Hazel's history](#), the [ocean and coastal economy](#), and a [history of flooding in Charleston](#).

Training Calendar

See the trainings that are coming up on the [trainings calendar](#).

- Compatibility – updated
- Principal Ports – updated

Marine Habitat

- Essential Fish Habitat
- Avian Species
- Coral Species

Demographic

- Social Vulnerability Index Census Tracts (2010) – 31 layers

News from our Coastal Colleagues

Submit Your GeoTools Abstract

Share your geospatial application story, tool, or resource at Coastal GeoTools 2015. Submit an abstract by October 6, 2014, and help create the conference program. Details on the abstract submission process, as well as session tracks and types, can be found on the [website](#). The conference is March 30 to April 2, 2015, at the Embassy Suites Hotel and Convention Center in North Charleston, South Carolina.



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