



December 2022

New Data, New Resources



Digital Coast

- **Tool** – [Climate Mapping for Resilience and Adaptation Tool](#)
- **Data** – See the [list of new and updated data sets](#). New elevation data is available for Hawaii, Florida, Alaska, and Michigan. New imagery is available for a variety of states. Updated ocean uses data is also available.

Office for Coastal Management

- Turn on your listening ears in the [November edition](#) of the *Coastal Communicators* newsletter.
- Explore the [list of state impact stories](#) and use them in your communication efforts. The most recent stories are at the top.

Staff Picks

Story from the Field: [Building Awareness of Coastal Flood Risks in South Florida](#)

Managers in Miami-Dade County needed help communicating about this topic to low- and moderate-income households. They used NOAA’s [Coastal Flood Exposure Mapper](#) to *show* risk instead of merely talking about it.

Josh Murphy says he loves this story because it shows how NOAA Digital Coast tools can help communities make technical information more accessible. Josh says, “The Coastal Flood Exposure Mapper makes it easy to generate maps that incorporate a variety of flood risk information and socio-economic data. All users need is an internet connection! And honestly, not even that since the tool allows users to print and distribute hard copy maps.”



MEET
Josh Murphy,
our Learning Products
Development
Program Manager.



Tech Topics

Using Land Cover Data as a Water Quality Indicator

[Land cover](#) is one of the most used data sets found within the Digital Coast. Many people use land cover maps to better understand water quality issues.

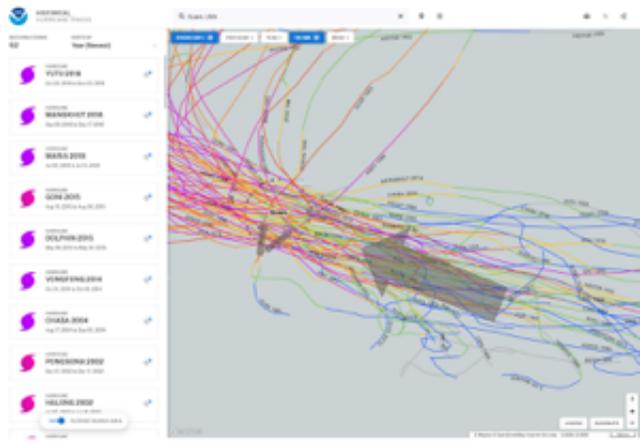
While the amount and location of impervious surfaces is an obvious first choice as a water quality indicator, there are others, including the amount and location of forest cover, developed grasses, and riparian buffers. This [how-to guidance](#), found on NOAA’s Digital Coast, walks you through the steps. Have questions? Email us at coastal.info@noaa.gov.

Stories from Your Peers

Efficiently Modeling Storm Surge

Coastal communities know they need to prepare for hurricanes and the accompanying storm surge. To assist Guam in modeling these events, staff at NOAA’s National Hurricane Center looked to the past. They used the Digital Coast’s [Historical Hurricane Tracks tool](#) to analyze the direction cyclones usually come from and their intensity. Having this information readily available saved considerable time and effort and helped Guam communities prepare for the most likely scenarios.

- Read the [full story](#).



Tips from the Digital Coast Academy

Understand Your Audience to Communicate Risks

When it comes to preparing for storms and other coastal hazards, community members need to be involved—and there are steps your program can take to help make this happen.

To be successful, having a good understanding of your audience is important. The Digital Coast has several training programs and information resources related to this task. For starters, read about the [mental shortcuts](#) people take when making decisions about risk. Also available are recently updated [tips and best practices](#) for interacting with historically underserved communities. When working with these communities, it's important not to just jump in, present risks, dictate mitigation, and jump out. Instead, work to build relationships and empower the community members to come to their own conclusions.

Find everything you need to start on your risk communication journey on this [topic page](#). [Email us](#) if you have any questions.

Fast Facts



\$3.4 billion value every year, benefiting fisheries, tourism, and coastal communities

This is just one of the many coastal management [fast facts and graphics](#) provided for your use. [Read the list](#) and let us know if there are others you'd like to see added.

Feedback? Please!

This newsletter is created for coastal professionals dedicated to keeping coastal communities safe and productive. Please provide any feedback you may have to coastal.info@noaa.gov

NOAA's Digital Coast



NOAA Office for Coastal Management

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