![Digital Coast Connections banner with a low-poly lighthouse and sailboat on a dark blue background]

April 2024

New Data, New Resources

Digital Coast **– Your Coastal Information Resource**

- **Data** – See the list of new and updated data sets.

Office for Coastal Management

- Explore the list of state impact stories and use them in your communication efforts. The most recent stories are at the top.

Tech Topics

Downloading Large Data Sets – Tips for Making It Manageable
Within the Digital Coast, over 118,000 downloads of customized data occurred in 2023. There are 33 trillion lidar points available, and 200 terabytes of imagery. Whew! People often need help when downloading larger data sets. That's why NOAA's Office for Coastal Management created Data Bob, a character ready to answer often-asked questions about the Digital Coast's Data Access Viewer and the website itself.

This video provides advice on how best to handle large downloads of elevation data. If you have other video topic suggestions, please contact us at *coastal.info@noaa.gov*.

Stories from Your Peers

Assessing a South Carolina City's Urban Heat Areas and Street Canopy Equity
According to the National Weather Service, heat is the leading cause of weather-related deaths. Media outlets have spotlighted disparities in tree canopy cover, rooted in socioeconomics and racial composition, amid escalating heat extremes. Urban heat in certain areas increases energy costs. City staff in Charleston, South Carolina, meticulously examined their urban heat patterns and tree canopy distribution by combining NOAA's C-CAP land cover data with demographic information. NOAA's Heat Watch initiative employed volunteers with temperature sensors to identify public housing properties experiencing excessive heat. Correlating temperature data with canopy cover led to the selection of 16 public housing properties for research, the findings shared through an Esri StoryMap and Tree Canopy Tools.

- To learn more, read the full story here.

Tips from the Digital Coast Academy

Take Five Steps in Coastal Adaptation Planning
Often the most daunting part of adaptation planning is knowing where to begin. Overcome that initial hurdle through this five-step adaptation planning guide, which leads beginners through the process with concrete tips and ideas, provides examples of common pitfalls and successes, and delivers resources as users move forward on their own planning journeys. The guide also includes important equity considerations, such as understanding systemic oppressions in a community and including those who have generational knowledge. These strategies help ensure that the planning process is mindful of everyone, especially those who have historically been excluded.

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.