



DIGITAL COAST

CONNECTIONS

Dear Colleague,

While tsunamis can happen any time of the year, anywhere in the world, April is tsunami awareness month in Hawaii and the time when NOAA's Pacific region makes an extra effort to help citizens prepare. Organizations share resources at several special events, and everyone ends the month knowing more about tsunami preparedness.

For Hawaii and Guam residents, NOAA's [Tsunami Information Service](#) shows users whether they are located in an evacuation zone. Download the app from [Google Play](#) or [iTunes](#) for Hawaii information.

For Hawaii and the rest of the nation's coastal zone, other helpful resources include the [Inundation Toolkit](#), our [tsunami information page](#), and the National Ocean Service's [Diving Deeper podcast](#) about monitoring tsunamis. Visit these webpages for additional information.

A handwritten signature in black ink that reads "Kristina Kekuewa".

Kristina Kekuewa
Coastal Management Specialist
NOAA Office for Coastal Management



Stories from the Field

Digital Coast Data and Tools in Action

Estimating the Economic Contribution of a Working Waterfront

For many coastal cities, quantifying the value of the working waterfront is essential to justifying an investment in the local marine economy. By using NOAA's [Economics: National Ocean Watch data](#), communities can break down county data by sector to create an economic profile for a specific working waterfront and identify major players and previously overlooked businesses. [See how the city of Gloucester, Massachusetts used ENOW data.](#)

Sharing Green Infrastructure Solutions with Residents and Businesses

Filling in swamps and marshes to make way for buildings and houses used to be a common practice. Add climate change to this scenario, as well as an increase in impervious surfaces that comes with a growing population. The result: a higher number of flooding events. Green infrastructure can help mitigate flooding

Data Updates

New and Updated Data Sets

Elevation

- 2006 South Carolina Department of Natural Resources Lidar: Aiken County
- 2007 South Carolina Department of Natural Resources Lidar: Anderson County
- 2010 American Recovery and Reinvestment Act Lidar: California Coastal Project - Zones 3 and 4
- 2010 South Carolina Department of Natural Resources Lidar: Kershaw, Lexington, Richland, Saluda, and Sumter Counties
- 2011 South Carolina Department of Natural Resources Lidar: Anderson, Oconee, Pickens, and York Counties
- 2013 City and Borough of Juneau, Alaska Lidar
- 2013 U.S. Army Corps of Engineers National Coastal Mapping Program Topobathy Lidar: Lake Michigan North and South
- 2013-2015 U.S. Army Corps of Engineers Topobathy Lidar: Lake

impacts, but persuading residents and businesses to invest in this approach can be challenging. By displaying the results from a [NOAA Office for Coastal Management green infrastructure study](#), cities can more easily communicate flooding risks and green infrastructure benefits. [See examples from the city of Toledo, Ohio.](#)

Additional Updates

Viewing Ocean Data Has Never Been Easier

The [Marine Cadastre National Viewer](#) was recently updated! This tool no longer requires Flash software, is now mobile-friendly, and allows users to export their map to ArcGIS online to add other data sets. Users can easily search through all the data sets without having to sort through bins and can adjust the order and transparency of all layers.

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

News from our Coastal Colleagues

New Case Studies Show How the U.S. Is Prepping for Climate Change

The Georgetown Climate Center released [100 case studies](#) describing how America's leaders are responding to the growing threat of climate change. The case studies highlight some of the most innovative approaches for dealing with climate change and America's roadways, airports, transit systems, and infrastructure at all phases of decision-making. The case studies are meant to help officials develop best practices for dealing with climate change and for building infrastructure meant to

Huron

Land Cover

- 2005-2010 Hawai'i Maui High Resolution Land Cover Change
- 2010 Hawai'i Maui High Resolution Land Cover

Imagery

- 2013 Puget Sound, Washington Mean High Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2013 Puget Sound, Washington Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2013 San Francisco Bay North, California Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Cabbage Creek, Florida Mean High Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Cabbage Creek, Florida Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Cape Lookout, North Carolina Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Conneaut, Ohio Integrated Ocean and Coastal Mapping Digital Sensor System Natural Color 8 Bit Imagery
- 2014 Eastport, Maine Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color

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- 8 Bit Imagery
- 2014 Edisto Island, South Carolina Mean High Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Everett, Washington Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Freeport, Texas Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Humboldt, California Integrated Ocean and Coastal Mapping Digital Sensor System Natural Color 8 Bit Imagery
- 2014 Seattle Ship Canal, Washington Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 St. Johns River, Florida Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2014 Whidbey Island, Washington Mean Lower Low Water Integrated Ocean and Coastal Mapping Digital Sensor System Infrared and Natural Color 8 Bit Imagery
- 2015 Georgetown, South Carolina Integrated Ocean and Coastal Mapping Digital Sensor System Natural Color 8 Bit Imagery
- 2015 Gulf Port, Mississippi Integrated Ocean and Coastal Mapping Digital Sensor System Natural Color 8 Bit Imagery
- 2015 Kings Bay, Georgia Integrated Ocean and Coastal Mapping Digital Sensor System Natural Color 8 Bit Imagery
- 2015 Savannah, Georgia Integrated Ocean and Coastal Mapping Digital Sensor System

Natural Color 8 Bit Imagery

- 2015 Tampa, Florida Integrated Ocean and Coastal Mapping Digital Sensor System Natural Color 8 Bit Imagery

High-Resolution Orthoimagery

- U.S. Department of Agriculture National Agriculture Imagery Program 4-Band Image Services

Marine Resolution Geographic Information System Internet Map Server

- Marine Resolution Geographic Information System Internet Map Server

National Estuarine Research Reserve System (NERRS)-System Wide Monitoring Program (SWMP) Data

- NERRS SWMP Boundaries, Habitat Maps, Meteorological Water Quality Data, Nutrient Monitoring Data, and Water Quality Monitoring Data



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Send your product, personnel, or event news to Caitlyn.McCrary@noaa.gov. We'll include it in *Digital Coast Connections*, space permitting. For answers to additional questions, contact coastal.info@noaa.gov.

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