



PRODUCTS AND SERVICES BULLETIN

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

COASTAL SERVICES CENTER

SPRING 2009

This quarterly publication supplies up-to-date information on tools and services developed for the nation's state and local coastal programs by the NOAA Coastal Services Center. For more information, contact Kitty.Fahey@noaa.gov.

New Products and Services

Newly Available Lidar Aids Users in New York, Texas, and Alaska. New topographic lidar data are now available for download through the Center's Digital Coast website. The data sets, originally collected in dissimilar formats and specifications, have been standardized by the Center, a step that increases potential end-users and makes data more cost-effective. Coverage includes Alaska's Kenai Peninsula, Willacy and Cameron Counties in Texas, and Cayuga and Erie Counties in New York.

Web Address: www.csc.noaa.gov/lidar/

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North Carolina Atlas Contains Socioeconomic Data from 1970 to 2000.

Mapping Social Change in U.S. Coastal Counties: A Social Atlas of Coastal North Carolina is a guide that characterizes and illustrates changing demographic, housing, and economic attributes. The Center and the North Carolina Sea Grant Extension program developed this atlas from U.S. Census Bureau data. The atlas enables coastal managers and planners to visualize connections among multiple social indicators, compare details across time and space, and establish information networks.

Web Address: www.csc.noaa.gov/publications/nc_atlas.pdf

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Publication Highlights Strategies to Meet the Climate Change Challenge.

Local Strategies for Addressing Climate Change features a compilation of articles recently published in the Center's national trade journal for coastal managers, *Coastal Services*, that highlight the many actions already adopted by local and state coastal managers to address the effects of climate change. The publication also features descriptions of Center data and tools to help strengthen coastal resilience, encourage smart- or green-growth initiatives, reduce runoff, and improve water quality.

Web Address: www.csc.noaa.gov/magazine/climatechangestrategies.pdf

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Updated Products and Services

CanVis Workshop Now Available via WebEx. In response to an increasing demand for CanVis visualization software training, the Center has developed a virtual version of its hands-on workshop. CanVis is an easy-to-use tool created by the U.S. Department of Agriculture's National Agroforestry Center that enables users to visualize the impacts of development. The Center expanded the tool to include coastal objects such as docks, boats, and houses. Providing these workshops via WebEx helps to build the capacity of NOAA's constituents while also cutting travel costs and enabling participants from different regions to interact and share ideas.

Web Address: www.csc.noaa.gov/canvis/workshops.html

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Future Products and Initiatives

Center Introduces Resilience Workshop to Delaware Community Stakeholders.

A workshop featuring the Community Resilience and Vulnerability Assessment Tool was recently piloted with a group of Delaware community leaders, and the lessons learned will inform future workshops. This tool is used by communities to analyze hazard-resilience vulnerabilities and to prioritize the steps that will increase resilience. The workshop was co-sponsored by the Center, the University of Delaware Sea Grant College Program and Coastal Community Enhancement Initiative, Delaware Coastal Management Program, and Delaware National Estuarine Research Reserve.

Contact: Tashya.Allen@noaa.gov

Pacific Services Center Supports Field Test of Marine Science Curriculum.

Third- through fifth-grade teachers from several Hawaiian islands kicked off a semester-long field test of a marine science curriculum developed by the nonprofit organization Pacific Resources for Education and Learning and sponsored by the NOAA Pacific Services Center (PSC). In addition to directing the field test and providing the facilities and field trips, PSC is partnering with Hawaii's Department of Education to implement the curriculum and analyze teacher feedback.

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Participants Will Ride the Wave of Change at Coastal Zone 09. The coastal and ocean landscape is changing, whether it's the climate, shoreline, habitat, or even the people setting and implementing policy. "Revolutionary Times: Catching the Wave of Change" is the theme of Coastal Zone 09, which will take place on July 19 to 23 in Boston, Massachusetts. This biennial conference, organized by the Center, is the nation's largest multidisciplinary gathering of coastal professionals, with workshops, poster sessions, and a forum for exhibitors. Registration is now open and space is limited.

Web Address: www.csc.noaa.gov/cz/

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Center News

Events

Center Supports Southeast Initiative to Improve Weather and Water Forecasts. The Hydrometeorology Test Bed, a project led by the Office of Oceanic and Atmospheric Research's Environmental Research Lab, aims to introduce new and enhanced technologies, models, and scientific results into the forecasting operations of the National Weather Service and its River Forecast Centers. To kick off the Southeast regional component of the test bed—which initially focuses on portions of North Carolina—a meeting was held with support from the Center, NOAA's Southeast and Caribbean Regional Team (SECART), and North Carolina and South Carolina Sea Grant programs. SECART is working to engage a broader range of NOAA offices in this effort.

Contact: Jeff.Payne@noaa.gov

Hundreds Learn about Digital Coast at GeoTools Conference. Nearly 400 coastal resource management professionals from around the nation convened in Myrtle Beach, South Carolina, for the biennial Coastal GeoTools conference. Focusing on "Building the Digital Coast," Coastal GeoTools 09 featured more than 130 oral and poster presentations, interactive special interest meetings, 21 exhibitors, and the Geospatial Technology Help Clinic.

Web Address: www.csc.noaa.gov/geotools/

Contact: Hamilton.Smillie@noaa.gov



Partners Meet to Advance Ocean Efforts in Mid-Atlantic Region.

Approximately 150 participants convened in Baltimore, Maryland, to advance Mid-Atlantic regional concerns dealing with climate change, ecosystem-based management, and ocean energy. While the forum was organized by states and nongovernmental organizations, many NOAA representatives participated. The Center presented information on the Multipurpose Marine Cadastre and Digital Coast in a panel session on marine spatial planning and also explored impacts and next steps for climate change in the Mid-Atlantic region.

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Program Managers' Meeting Highlights Climate Change Resources. The 2009 Coastal Program Managers' Meeting, organized by the Office of Ocean and Coastal Resource Management, explored the ways in which professionals and stakeholders could manage the related challenges of climate change and coastal hazards. The Center helped to develop, present, or facilitate sessions on the following topics: sea level rise mapping; coastal resilience and vulnerability assessment tools; community "smart growth" elements and aids; and marine spatial planning, especially as applied to alternative energy siting. In addition, presenters highlighted relevant Center resources such as the Coastal Community Planning and Development course, CanVis workshop, Coastal Inundation Mapping course, Community Resilience and Vulnerability Assessment Tool, Multipurpose Marine Cadastre, and Digital Coast.

Contact: Donna.McCaskill@noaa.gov

GIS Workshop Benefits Coastal Professionals in Virgin Islands. Center staff members delivered a geographic information system (GIS) workshop in St. Thomas, U.S. Virgin Islands, to representatives of territorial and federal government agencies and the academic community. The training was funded by the Virgin Islands Experimental Program to Stimulate Competitive Research and organized by NOAA's National Centers for Coastal Ocean Science and the University of the Virgin Islands' Center for Marine and Environmental Studies.

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Published Reports

Center Article Is Reprinted in Hazards Newsletter. “The NOAA Shoreline Data Website,” the lead article in the December 2008/January 2009 issue of *Coastal Connections*, was recently reprinted in the February 2009 issue of *TsuInfo Alert*, a bimonthly publication prepared by the Washington State Department of Natural Resources on behalf of the National Tsunami Hazard Mitigation Program. The NOAA Shoreline Website, developed by the Center, provides access to all NOAA shoreline information, plus data from other federal agencies. *Coastal Connections* is the Center’s bimonthly newsletter for coastal resource managers.

Web Address: www.shoreline.noaa.gov

Contact: Donna.McCaskill@noaa.gov

Training Schedule

Training for your organization can take place at the Center in Charleston, South Carolina, or can be brought to your facility.* For more information on virtual and site-specific trainings, visit www.csc.noaa.gov/training/.

CanVis Virtual Workshop

April 15

May 20

June 17

Coastal Applications Using ArcGIS

April 22 to 23

Gautier, Mississippi

Coastal Inundation Mapping

June 23 to 24

Groton, Connecticut

June 25 to 26

Kingston, Rhode Island



GIS Tools for Strategic Conservation Planning

June 23 to 26

Charleston, South Carolina

Habitat Priority Planner Training

June 9

Portsmouth, New Hampshire

Introduction to ArcGIS

April 20 to 21

Grand Bay National Estuarine Research Reserve

Negotiating for Coastal Resources

May 13

San Diego, California

Project Design and Evaluation

April 15 to 16

Staatsburg, New York

April 30 to May 1

Seattle, Washington

May 14 to 15

San Diego, California

Public Issues and Conflict Management

May 6 to 8

Biloxi, Mississippi

May 11 to 12

San Diego, California

June 24 to 26

Viera, Florida

* Off-site trainings are generally arranged through local coastal management hosts.