



**North Inlet - Winyah Bay
National Estuarine Research Reserve**

Baruch Marine Field Laboratory
University of South Carolina
P.O. Box 1630
Georgetown, SC 29442

TELEPHONE: (843) 546-6219
FAX: (843) 546-1632
jeffrey@belle.baruch.sc.edu

To: Public officials, planners, developers, environmental interests, and other coastal decision makers
From: Jeffrey Pollack, Coordinator, North Inlet-Winyah Bay Coastal Training Program
Subject: Training on Coastal Erosion in South Carolina

The North Inlet – Winyah Bay Coastal Training Program (CTP), an education component of the NI-WB National Estuarine Research Reserve, is pleased to announce its first training event of 2004. The CTP, which builds upon over 6 years of coastal training experience in the form of Coastal Issue Workshops at the NI-WB Reserve, is designed to provide science-based information about coastal issues to local decision makers. Please visit the CTP website for more information about the program: www.northinlet.sc.edu/training

The North Inlet – Winyah Bay CTP will begin its training on coastal erosion issues by hosting a single-day event entitled *Coastal Erosion on the Grand Strand: Ecology, Economics, and Engineering* on **Wednesday, April 7th** at the Kimbel Center in Georgetown. This training event will:

- Review the coastal land forms and nearshore physical processes that determine coastal erosion rates
- Consider the socio-economic problem of coastal erosion and examine the social priorities that drive our coastal policy
- Compare erosion rates for beaches on the Grand Strand
- Review the federal and state-level legislation and regulations that shape development and engineering in the coastal zone
- Review the mechanics of designing, permitting, and implementing a renourishment project
- Consider the economics of periodic renourishment, evaluate its long-term viability, and consider alternatives
- Include an afternoon field session at one of the proposed renourishment sites in Georgetown County

A draft agenda for this event is included with this mailing. For additional details, please visit the ‘Upcoming Events’ section of CTP website. Follow-up training activities on related topics will be announced at a later date.

The Kimbel Center is just inside the entrance to Hobcaw Barony, located on Highway 17, 1.5 miles north of Georgetown. There is no registration fee for the workshop and lunch will be provided. However, seating is limited, and registration will be on a first come, first serve basis. Please pre-register by returning the form below (mail or fax) by **Friday, March 26th**. Please share this announcement with colleagues who may be interested in the event. We look forward to seeing you on April 7th!

Registration Form
**Coastal Erosion on the Grand Strand:
Ecology, Economics, and Engineering
Wednesday, April 7, 2004**

_____ Yes, I plan to attend *Coastal Erosion on the Grand Strand* on April 7th
_____ I am unable to attend this event but would like information on future training events

Name: _____
Affiliation: _____
Mailing Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
E-mail: _____

Please return to: Jan Blakely, PO Box 1630, Georgetown, SC 29442; Fax: 843.546.1632 by **Friday, March 26th**



**Coastal Erosion on the Grand Strand:
Ecology, Economics, and Engineering**

Wednesday, April 7, 2004
Kimbel Lodge on Hobcaw Barony
Georgetown, SC

This event is designed to bring together municipal and county officials, planners, regulatory staff, engineers, developers, realtors, scientists, environmental groups, and invested citizens to discuss coastal erosion on the Grand Strand. We will discuss the ecological processes and geologic features that make our shoreline so dynamic, and we will identify the socio-economic consequences of that dynamism to residents, visitors, and decision makers in the coastal zone. We will also inventory and evaluate the regulatory and engineering tools that we have available to mitigate these consequences.

Draft Agenda

- 8:30 **Registration**
- 8:45 **Welcome and Overview**
Jeff Pollack, Coastal Training Program Coordinator
- 9:00 **Measuring Coastal Erosion Rates on the Grand Strand**
Dr. Paul Gayes, Director, Center for Marine and Wetland Studies, Coastal Carolina University
- 9:30 **Waves, Currents, and Sediment Transport Processes: Drivers of Coastal Erosion**
Dr. George Voulgaris, Department of Geological Sciences, University of South Carolina
- 10:00 **Regulating the Coastal Zone**
Bill Eiser, Staff Oceanographer, SC Office of Ocean and Coastal Resource Management
- 10:30 BREAK
- 10:45 **Controversy, Precedents, and Exceptions**
Jimmy Chandler, Founder and President, South Carolina Environmental Law Project
- 11:15 **Engineering in the Coastal Zone: Project Planning and Implementation**
Dr. Timothy Kana, Founder and President, Coastal Science and Engineering
Dr. Thomas White, Senior Coastal Engineer and Principal, Coastal Science and Engineering
- 12:00 LUNCH
- 12:45 **Economics of Beach Management (tentative)**
Craig Landry, Department of Economics, East Carolina University
- 1:15 **Panel Discussion – What is the outlook for Horry and Georgetown beaches?**
- 2:00 **Evaluations**
- 2:15 **Field Trip - South End of Pawleys Island**
- 4:30 **Adjourn**