

The **TUTOR**

714 Lacey Road • Forked River, NJ 08731

(609) 971-7002

Special Barnegat Bay Edition

Volume 17, No. 2

Announcing the Fifth Annual ...

Barnegat Bay Environmental Educators Roundtable

Featuring an array of hands-on and interactive activities and field trips to motivate teachers to incorporate Barnegat Bay Watershed topics into their curriculum.

When? Thursday, April 18, 2002 • 4:30 pm - 8:00 pm

Pre-Registration Required

Where? Beachwood Community Center - on the Toms River

The Ocean County Vocational School's talented Culinary Arts Academy students will prepare a delicious dinner buffet.

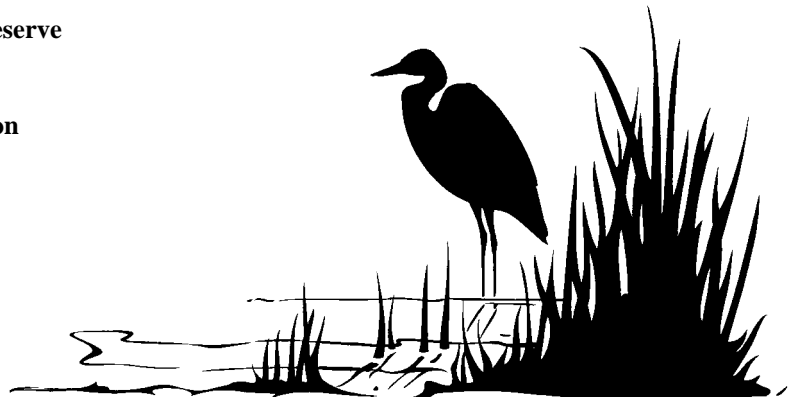
Come join us for what promises to be an informative and adventurous evening: exploring our watershed, networking with environmental educators, gathering resources, ideas and lesson plans to take back to your schools.

Resource Sharing Table & Door Prizes

Three Professional Development Hours will be Awarded at the End of the Program

Sponsored by the Ocean County Soil Conservation District and the following:

Alliance for a Living Ocean
American Littoral Society
Barnegat Bay Estuary Program
Barnegat Bay Watershed & Estuary Foundation
Clean Ocean Action
Institute of Marine and Coastal Sciences
Jacques Cousteau National Estuarine Research Reserve
Jenkinson's Aquarium
Ocean County College
Ocean County Department of Parks and Recreation
Ocean County Vocational - Technical School
New Jersey Audubon Society
NJDEP - Division of Fish and Wildlife
NJDEP - Division of Parks and Forestry
NJDEP - Division of Watershed Management
New Jersey Forest Resource Education Center
New Jersey Marine Sciences Consortium
Rutgers Cooperative Extension of Ocean County
Stafford Township School District
Tuckerton Seaport



Please join us for this FREE Watershed Education Program and Dinner!

Additional Details Inside...

ACTIVITY DESCRIPTIONS

Choose from a variety of field trips to near-by parks or join in a multitude of activities at the Community Center. You will be able to select one field trip or two Community Center activities. Whatever your choice, be prepared to participate in hands-on activities that you can easily integrate into your existing curriculum. All activities will be held rain or shine, so please dress appropriately. For additional information call 609-971-7002.

Community Center Activities

A. No Bones About It!

A little over 95% of all creatures on earth are invertebrates. Through a hands-on demonstration, discover some live invertebrates and biofacts that you can have in your classroom as learning tools. Participate in some invertebrate activities that you can bring back to your students. Intended for elementary teachers.

Facilitators: Claire Antonucci, NJ Marine Sciences Consortium
Cindy Claus, Jenkinson's Aquarium

B. Map Mania: Making Sense of Our Place in the Watershed

Explore the Barnegat Bay Watershed through a variety of map resources that each present a unique focus on the resources of our region. Activities will help to heighten awareness of the extensive cultural features, preserved open space, highways, and waterways that give the watershed its character. Using the numerous maps provided, participants will work through a series of activities that examine and interpret these wonderful resources as classroom tools. Teachers will be provided with all the materials needed to take *Map Mania* back to their classrooms. This activity is being piloted as part of the Activity Guidebook, and teachers will have the opportunity to critique, edit, and evaluate *Map Mania*.

Facilitators: Jeannette Lloyd, Stafford Township Schools
Cathy O'Leary, Stafford Township Schools

C. Saving Local History: Telling Stories From Our Past

Student participation in conducting oral histories provides a valuable lesson in discovering history first-hand, and in realizing the importance of everyone's contribution to the cultural flavor of an area. Of particular significance in recording historical accounts is the necessity for standard information, as well as the accuracy of the interview and of the recording made. It is important to relate this to students, so that they may be able to discern "truth from fiction." Each year, the Barnegat Bay Decoy Show bestows the Hurley Conklin Award to five people living in the tradition of the baymen, and a biography of each recipient is printed in the annual show program. These lively accounts of traditional baymen will be used as examples for this activity. This activity is being piloted as part the Activity Guidebook and teachers will have the opportunity to critique, edit, and evaluate *Saving Local History*.

Facilitators: Trish Schuster, Tuckerton Seaport
Beth Huch, Tuckerton Seaport

D. Soil: At the Root of Everything

Get ready to dig in! Soil studies can be a fun and exciting way for students to begin exploration of the environment. Understanding soils, its characteristics and behavior is critical to an understanding of our watershed. Join soil scientists as they get their hands dirty and present a variety of activities that teachers can do with their students. This activity is being piloted as part the Activity Guidebook, and teachers will have the opportunity to critique, edit, and evaluate *Soil: At the Root of Everything*.

Facilitators: Chris Smith, USDA-Natural Resource Conservation Service
Janice Reid, USDA-Natural Resource Conservation Service

Field Trip Activities

E. The Living Tidal Salt Marsh

Join us as we take to the waves of the Toms River on the Betty C. Only the adventurous need apply since we will be stepping onto the tidal marsh at Good Luck Point. On the water we will discuss the dynamics of a watershed. On the marsh, we will perform a "marsh dissection," play marsh hide and seek, and possibly pass a seine through the water to get an up-close and personal look at fish and crustaceans. Please bring old shoes and clothes for this program.

Facilitators: Chris Claus, Ocean County Parks & Recreation
John Wnek, OCVTS MATES Program

F. Protecting Stream Headwaters

Explore the headwaters of a nearby stream system within the Barnegat Bay watershed. This workshop, for educators of Grades 4-12, will include hands-on field experience with GPS mapping, collection of field data, and training in the use of monitoring equipment. Participants will receive a compendium of watershed materials, including activities from Project Learning Tree. Please dress appropriately and wear sturdy walking shoes.

Facilitators: Terry O'Leary, Forest Resource Education Center
Elizabeth Faircloth, Forest Resource Education Center

G. Outdoor Classroom Sampler

Touring three local schools that have outdoor classrooms will provide opportunities for teachers to see first-hand how school grounds can be used and enhanced for learning. The benefits of creating outdoor classrooms are numerous: students gain a sense of their local environment, stewardship and pride of place is instilled, water quality and wildlife habitat is improved, team building and cooperative learning all play a role. In addition, in a time when it becomes increasingly difficult to take field trips, why not step just outside your classroom walls for an exciting adventure on your own school grounds. Using school grounds for Math, Science, Reading, Art, Language Arts, and Social Studies is easy and fun. Gain extensive resources and ideas from the experts to help with your own endeavors.

Facilitators: Louise Pesci, Central Regional Middle School
Jennifer Bentley, Cedar Creek Elementary
Eileen Giffoniello, Clara B. Worth Elementary
Judy Millar, Jackson Township Schools
Christine Raabe, Educational Consultant

H. Shoreline Ecology

Explore the edge of the Toms River, along the boardwalk and the sandy beach. Participate in activities that examine the ecology of the beach and learn about the connections between Barnegat Bay habitats and migratory birds. Focus topics will include identification, migration, biogeography, biodiversity, how to use binoculars and field guides. We will discuss human impacts on avian and shoreline populations. Please dress appropriately and wear walking shoes.

Facilitators: Brian Vernachio, NJ Audubon Society
Carol Elliott, Alliance for a Living Ocean

ROUNDTABLE REGISTRATION FORM

Name _____ Grade Level(s) _____

Home Address _____

Telephone (home) _____ (school) _____

School _____

Participate in ONE Field Trip or TWO Community Center Activities

COMMUNITY CENTER ACTIVITIES

Select Two and an Alternate

- A. No Bones About It
- B. Map Mania
- C. Saving Local History
- D. Soil

Choices: _____ Alternate: _____

FIELD TRIP ACTIVITIES

Select a first, second and third choice

- E. The Living Tidal Salt Marsh
- F. Protecting Stream Headwaters
- G. Outdoor Classroom Sampler
- H. Shoreline Ecology

Choices: _____ first second third

Return your completed registration form by March 30, 2002

Mail to: Ocean County SCD, 714 Lacey Road, Forked River, NJ 08731

Beachwood Community Center
147 Compass Avenue
Beachwood, NJ 08722

GSP - SOUTH

Exit 80 - Beachwood — Bear right towards traffic light at Parkway North entrance and Route 9 South. Continue in right lane onto Route 9 South. At 2nd traffic light, turn left on to Admiral Avenue. Go one (1) block to next light at Route 166 & Admiral Avenue.

Cross over to Starboard Avenue (between Rite Aid and Bicycle Shop). Continue down to Compass Avenue (approx. four (4) blocks), turn right ... Community Center will be on your left about one (1) block away.

GSP - NORTH

Exit 81 - Toms River — Stay straight off exit. Continue to 2nd traffic light at Route 166 and Water Street (Motel on right, 7-11 store on left). Turn right at light and continue on Route 166 to next traffic light (Rite Aid & Bicycle Shop). Turn left and follow directions in **bold print** above.

ROUTE 9 NORTH ...

... becomes Route 166 in Beachwood. Turn right at the traffic light at Beachwood Boulevard. At end of road, turn left along water. Community Center at head of marina.

ROUTE 9 SOUTH ...

... becomes Route 166 in Toms River. Continue south into Beachwood. Turn left at traffic light on Admiral Avenue and Route 166 (Rite Aid and Bicycle Shop). Follow directions in **bold print** above.

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