



The Barnegat Bay Beat

Volume 3, Issue 2

Spring 2004

A Quarterly Publication of the Barnegat Bay National Estuary Program

The 8th Annual Barnegat Bay Festival

Saturday, June 5, 2004  Berkeley Island County Park  10AM until 4PM  Rain or Shine

FREE ADMISSION

It's time for a celebration! The 8th Annual Barnegat Bay Festival is sponsored by the Barnegat Bay National Estuary Program with support from our partners, Ocean County College, the Ocean County Board of Chosen Freeholders, and the Barnegat Bay Watershed and Estuary Foundation.



We invite you to join us for a day-long celebration of the beauty and wonderful resources of Barnegat Bay at this breathtaking waterfront venue. The day is filled with live musical entertainment. Back by popular demand, *The Incinerators* will once again be burnin' you with the blues. *Road Apple* will make their first festival appearance to spread a little of their rock 'n roll. Festival-goers can enjoy the free scenic cross-bay boat trip that begins every hour starting at 10:30 (first come, first served). Others may decide to participate in the guided bus tour led by resident environmentalist, Jan Larson, for a close-up view of the environmentally sensitive and historically significant Cedar Creek Watershed (registration required by calling Mary Judge at 732.255.0472). Many non-profit environmental groups from the area will be at the festival to share information and answer any questions that you may have regarding the protection of our natural resources.

In addition to learning about the Barnegat Bay Watershed, the festival includes craft vendors, food vendors, and much, much more.

Admission is free and families are encouraged to attend and participate in the all day hands-on fun!

A Heartfelt Thank You to Our Contributors to Date:

Shop Rite
First Bridge Marina & Kayaks
Jenkinson's Aquarium
WOBM
Ocean Nature & Conservation Society
Baywood Marina
Sedge Island Natural Resource
Educational Center



All Day Fun on the Main Stage

- 10:00 Dedication of the Waters
- 10:15 The Incinerators Band
- 11:00 Welcome
- 11:15 ALOysius Puppet Theater
- 12:00 The Incinerators Band
- 12:45 Road Apple Band
- 1:30 ALOysius Puppet Theater
- 2:15 Road Apple Band
- 3:00 The Incinerators Band

Hands-on Fun

All day:
Scavenger Hunt, Crafts, Fish Printing, Seedling Planting, Build a Terrapin, Catch a Backyard Bass, and Much, Much More

12:00, 1:00, 2:00
Drag a 50-foot seine along the Barnegat Bay

Dana Endreson will return this year with her awesome airbrush tattoos of realistic looking sharks, dolphins, starfish, snakes and the like...free for children and adults.

Artisans and Crafters

Custom fishing rods, marine art, nautical crafts, seascapes/landscapes, wood crafts and much more.

I N T H E C L A S S R O O M

Teacher Workshops Offered by Jacques Cousteau National Estuarine Research Reserve

MARE - Marine Activities, Resources & Education

2004 MARE Summer Institute

August 8-13, 2004

MARE is a supplementary, whole-school program that capitalizes on students' natural fascination with the ocean to effectively promote hands-on learning and basic skills across a variety of subjects. The MARE program has been successfully improving education in science, math, language arts, social studies, art, and physical education at over 40 inland and coastal schools and districts throughout New Jersey since 1996. Join other motivated K-5 educators in search of a creative and challenging learning experience during the 2004 MARE Summer Institute. Activities include hands-on lessons, interactions with ocean scientists and education professionals, and field trips exploring marine habitats. This professional development opportunity addresses the requirements set forth by the No Child Left Behind Act for Highly Qualified Teachers. Visit www.jcnerr.org or contact Eric Simms (732-932-6555 x505 simms@marine.rutgers.edu) for more details.

Take the Pulse of Our Changing Planet

July 11-17, 2004 (plus two additional Saturdays during the spring/fall)

To monitor your health, a doctor takes your pulse. What about our planet's health? Scientists take Earth's pulse with a network of high-tech stations called ocean observing systems. This workshop showcases these new observatories and how observatory data can enhance your middle school science lessons. Join the research and education staff of the Mid-Atlantic Center for Ocean Sciences Education Excellence (MA-COSEE) for an exciting week that's sure to raise your pulse. Teaching materials, stipend, and room/board provided. Visit www.macosee.net for more information.

Getting to Know Our Neighbors

Megan-Jean Herkert, BBNEP Intern

I n the marshes, lakes, streams, and areas surrounding the Barnegat Bay, there is a unique bird that stands about four feet tall, has a wingspan of six feet, and is the largest of its kind in North America. The bird is not a bird; indeed, it is a Great Blue Heron. This majestic stalks our marshes and lakes, looking for a meal that it snatches by spearing it with its beak. The distinct features are the black eye markings, long stork-like legs, and bluish wing coverings that give it its name. They usually are seen walking with their heads down watching for their next meal, and if not with their heads down, they are usually sitting up on top of a tree or platform watching for where the fish jump, and just catching some soul-warming sun. Watch for these great beauties because not too many people have the privilege of seeing them or even know what they are when they do.



Photo by: Peter Lopez, Matawan

Ocean County College Pond Stocked With Grass Carp

Ocean County College and the Barnegat Bay National Estuary Program are kicking off a lake restoration project on the college campus. On Friday, April 23, the college lake at the entrance on Hooper Ave. and College Dr. was stocked with sterile “grass carp,” which feed on nuisance aquatic plants. This environmentally-friendly technique will also improve water quality in the lake and Barnegat Bay by eliminating the use of pesticides to control weed and algae growth.

Approximately 20 of the carp were released into the lake. These fish have a hearty appetite and can munch on plants weighing as much as twice their weight every day. The carp grow quickly and can go from weighing half a pound to a whopping 30 pounds in one year. Fishermen are urged to release the carp back into the lake if they are caught.



2004 BBNEP Minigrant Recipients Announced

The Barnegat Bay National Estuary Program is happy to announce the recipients of the 2004 Minigrant awards for public education and participation. The Minigrant program was designed to motivate people to participate in protecting and restoring the Barnegat Bay watershed. The Review Committee awarded \$29,465 to the seven proposals listed below. This Minigrant Program is open to individuals, organizations, businesses and government agencies.

Alliance for a Living Ocean (ALO): ALO Eco Tour of a Barrier Island, a program to educate all ages about the Barnegat Bay estuary, emphasizing the important role every individual plays in protecting our barrier islands and the health of the entire marine environment.

Dianne M. Nast and Anastasia Nast Roda: “It’s More Than a Vacation Spot” brochure to educate visitors about the Barnegat Bay estuary, their potential impact on the estuary, and how they can protect the estuary.

Save Barnegat Bay: Restoration and Conservation Programs at Island Beach State Park, including planting 30,000 dune grass culms on primary dunes, annual osprey nesting study, banding and building four new nesting structures, as well as surveying work of marine grasses and macro algae.

Ocean County Vocational-Technical Schools MATES Program: A Barnegat Bay Watershed Teacher Researcher program to provide an in-depth, hands-on educational experience for educators within the Barnegat Bay watershed integrating scientific investigation directly into curriculum.

NJ Society of American Foresters: Design and install a “Watershed-Friendly” demonstration garden and outdoor learning station utilizing native plantings that benefit wildlife, prevent runoff and erosion, and promote best management practices, to be located at the Forest Resource Education Center in Jackson, NJ.

Ocean County Soil Conservation District: Sponsor the 2005 Environmental Educators’ Roundtable to provide training for teachers, promote the use of the Discovering Barnegat Bay Activity Guide, facilitate the sharing of resource information and ideas, and provide hands-on opportunities that can be carried back to the classroom.

Natural Resource Education Foundation of NJ: Refurbish and enhance existing overgrown and unmarked trails and pathways, install learning stations and interpretive signage, and improve ADA accessibility at the Lighthouse Center in Waretown, NJ.



Thank
you **Jenkinson's Aquarium** for
donating the winning prize!!

It is with great pleasure that I introduce...

WATERSHED WILLY

Congratulations to Sharon Carroll's 4th Grade Class from Lavallette Elementary School for selecting the winning entry for the Name the Storm Drain Mascot Contest sponsored by the Barnegat Bay National Estuary program! Watershed Willy was selected as a part of their science class led by Jill Lorenz.

Thanks to everyone who participated...over 70 entries!

BBNEP Welcomes A New Freeholder Liaison ~ Joseph H. Vicari ~

Ocean County Freeholder Joseph H. Vicari has served as a member of the Board of Chosen Freeholders since January 1982. He is a staunch advocate for education, families, open space, parks and recreation, consumers and the local business communities.

During his tenure on the board, he has served as Director of the Board in 2002, 1999, 1996, 1993, 1990 and 1987.

Freeholder Vicari has given his support to the rapidly growing Ocean County Natural Lands Trust Fund Program, which so far has preserved close to 1,000 acres of environmentally sensitive lands throughout the County. These purchases will protect farmland, water quality, stream corridors, aquifer recharge areas, public water supplies, open space, wetlands and other natural lands with unique and sensitive features.

Freeholder Vicari also supports the county's park system, which boasts 22 different (and many award-winning) facilities in the county, not to mention a new park slated for Little Egg Harbor Township.

His work with the Tourism Advisory Council has resulted in the county ranking third in the state for tourism revenues and increased employment opportunities.

Vicari, the Superintendent of Berkeley Township Schools, formerly a principal in the Brick Township School System, is a graduate of St. Peter's College, Jersey City, and Farleigh Dickinson University where he earned an M.A. in education.

Vicari, a resident of Dover Township, is married to Joyce, a nurse. The couple has a daughter, Dina Marie, an attorney, and a son, Joseph, who is in law enforcement.

Don't Forget the Environment When You Begin Your **SPRING CLEANING**

Scouring:

Replace scouring powder with baking soda.

All-purpose Cleaner:

Mix one cup of washing soda into a gallon of hot water. Wash surface with a lint-free cloth.

Floor Cleaner:

Mix 1/2 cup of vinegar in a gallon of water. Mop floor and allow to dry.

Wood Furniture/Floor Polish:

Mix 1/2 cup white vinegar and 1/2 cup vegetable oil in a pint-sized spray bottle. Rub on surface with lint-free cloth.

Window and Glass Cleaner:

Put 1/4 cup vinegar in a pint-sized bottle and fill to the top with water. Spray on surface and rub clean with a dry cloth.

PARTNERING WITH OCEAN COUNTY COLLEGE

Barnegat Bay Watershed and Estuary Foundation Awarded Watershed Grant from the Conservation Fund

Herbert B. Bennett, Barnegat Bay Watershed and Estuary Foundation Chairperson

With generous support from the William Penn Foundation, the Conservation Fund recently awarded a watershed action grant in the amount of \$6,000 to the Barnegat Bay Watershed and Estuary Foundation (BBWEF). The BBWEF, a non-profit organization designated as the lead non-profit organization to assist the Barnegat Bay National Estuary Program, will utilize the grant monies to create a demonstration lawn project on the campus of Ocean County College.

The demonstration lawn project, to be undertaken with the cooperation and assistance of Ocean County College and the BBNEP, will showcase four different types of lawns using grasses, shrubs and trees to demonstrate how the use of pesticides and herbicides can be minimized to protect the quality of the Barnegat Bay watershed and estuary systems. Upon its completion, the demonstration lawn project area will be open to the public, with signage and information available to interested citizens, municipal officials, professional landscapers and others.



BBNEP Hosts Pruning Workshop for Master Gardeners at Ocean County College Arboretum

Mary Judge, Program Assistant

A fine example of “building community” through a cooperative effort was demonstrated on the campus of Ocean County College on February 24th when the Barnegat Bay National Estuary Program hosted the annual pruning course for Master Gardeners. The Richard S. Sambol - Joseph A. Citta Arboretum on the OCC campus was used as an “outdoor classroom” for this half-day workshop led by Terry O’Leary (of the NJDEP Division of Forestry, Forest Resource Education Center in Jackson); Richard Reenstra (of the Ocean County Engineering Department, Ocean County Forester and Certified Tree Expert and member of the Ocean County Shade Tree Commission); and Duffy Barrow (retired teacher, naturalist, and member of the Barnegat Shade Tree Commission). The setting of the college arboretum gave Master Gardeners the opportunity for hands-on experience, as well as provided the arboretum with some needed pruning.

The 10-acre Richard S. Sambol-Joseph A. Citta Arboretum was developed by OCC students under a professor’s guidance (as well as the nearby nature amphitheater) and was dedicated on May 22, 1983. It is located on College Drive across from the main campus and contains a 2-mile nature trail that runs through the woods behind the lake. The arboretum continues to be developed with the goal of eventually containing examples of every tree and shrub indigenous to New Jersey.

MAILING LIST:

- Please add my name to your mailing list for my free subscription to *The Barnegat Bay Beat*.
- Please remove my name from your mailing list. There’s no more room in my mailbox, but I will be sure to check your website at www.bbep.org.

Mail this coupon to: Barnegat Bay Estuary Program, at Ocean County College, PO Box 2001, Toms River, NJ 08754-2001, OR email us at: sshinault@ocean.edu

Local Water Utility Endeavors to Protect its Watershed

Rob Karl, Brick Municipal Utilities Authority

It is an unfortunate fact that the water quality of Barnegat Bay is affected on a daily basis by pollution that comes not from specific sources or places (point source pollution), but from the entire drainage area (nonpoint source pollution). Small amounts of pollutants are generated nearly everywhere humans have altered the landscape. These pollutants flow with rainwater runoff from inland areas into the various rivers and streams that feed the Bay, increasing in concentration as they move towards the ocean. Naturally, it makes sense to address these pollution problems where they start, and watershed management is that discipline.

The Brick MUA provides drinking water to more than 100,000 residents of Brick, Point Pleasant, and Point Pleasant Beach. They began using the Metedeconk River (the northernmost river draining to Barnegat Bay) as a water source in the late-1980s, and immediately realized they had an obligation to protect the river and its watershed from pollution. On a daily basis, a "watershed team" visits different areas of the watershed to collect water samples, investigate known and reported contamination issues, and look for new potential pollution sources. The Brick MUA operates its own state-certified laboratory that is capable of quickly analyzing the watershed team's samples for a wide range of contaminants.

A Metedeconk Watershed Management Plan was prepared and revealed that the river water is of very high quality, and that normal river flows are more than sufficient to serve both ecological and water supply needs. Because roughly 70% of the river flow can be attributed to groundwater discharge (i.e. baseflow), the plan emphasized the importance of promoting infiltration of rainwater, as opposed to traditional detention basin-type stormwater management.

A "Metedeconk Watershed Source Water Issues Report" was developed, and maps were created by the University of Massachusetts that show priority areas for land conservation, land restoration, and improved stormwater management. A team of professionals (The Stewardship Exchange Team) detailed their recommendations in a final report by the Trust for Public Land entitled, "Metedeconk Watershed Source Water Stewardship Exchange Team Report" (which can be downloaded at www.tpl.org).

The projects the Brick MUA has undertaken have resulted in two sets of recommendations for the protection of the Metedeconk River watershed. Thanks to financial assistance from the Ocean County Board of Chosen Freeholders, they are working with Camp, Dresser, & McKee to implement these recommendations. They are currently in the process of meeting with each of the municipalities and stakeholder groups in the watershed to present their objectives, and to gain support for the protection of the Metedeconk River.

Local Flavors

**Mrs. Netterman's
Authentic Barnegat Bay
Clam Chowder,
submitted by Bob
Scheiderman**

Saute in a large pot:

1/2 cup of bacon, finely
chopped

2 onions, chopped

Add:

1 quart clam juice

1 cup water

3 medium potatoes, diced

2 stalks celery, diced

3 carrots, diced

1/2 cup fresh string beans,
snapped

1 green pepper, diced

Just before the vegetables are
done, add:

2 pints tomato

1 tsp. salt

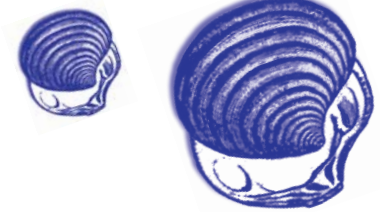
1/8 tsp. pepper

1/4 tsp. thyme

2 tsp parsley, chopped

2 dozen fresh chowder
clams, chopped

Simmer until the veggies are
done, enjoy.



GOOD TV

**"After the Storm" on The
Weather Channel**

**Saturday, June 26, 2004
8:30 pm and 11:30 pm
EST**

Where's Barney?

A big congratulations goes to Jim Gavin of Ocean Gate, the first person to respond with the correct answer to the last edition's location (which was: ice boating on the river in Ocean Gate).

Barney keeps exploring. Think you have the answer to this month's location? Be the first to email the correct answer to sshinault@ocean.edu to receive your Barnegat Bay baseball hat.



Discovering Barnegat Bay Workshops for Educators Two new dates announced:

Wednesday, August 11 - Forest Resource Education Center

Monday, October 18 - Lighthouse Center for Natural Resource Education

Registration forms are available on-line at www.ocscd.org.

For more information, please call Kerry Jennings at 609-971-7002.



Recycle Your EZ Pass

The battery just died on my EZ Pass and they sent me a new one, but before I threw it away, I thought I'd call Customer Service to see if there was anything hazardous inside. They told me that the **EZ PASS SHOULD BE RETURNED TO THEM** (it costs them \$30). Who knew? So please return your EZ passes to:

E-Z Pass, NJ Customer Service Center
PO Box 52003
Newark, NJ 0701-8203

and let's keep them out of the landfill.

~Mary Judge, BBNEP Program Assistant

Spring Garden Checklist Mary Judge, BBNEP Assistant

- Aerate lawn with garden fork
- Try some new, low-maintenance native NJ plants (www.npsnj.org)
- Plant a rain garden (email me for how-to information: mjudge@ocean.edu)
- Apply OceanGro Organic Fertilizer to lawn (www.ocua.com/oceangro)
- Make sure nothing in the garden collects stagnant rainwater which would encourage mosquitoes to breed (flower pots, old tires, buckets, clogged rain gutters); change bird bath water frequently
- Distribute the winter's compost in the garden; start new pile by layering spring clean-up leaves and clippings from the first mowing.
- Get a gutter downspout extension to direct rainwater from the roof right into your garden, where it's needed.

A special thank you to
Glen Foster, OCC
Photographer for submitting various photos for this newsletter edition!

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Fishin' for Ideas

We welcome all contributions and story ideas for inclusion into *The Barnegat Bay Beat*. Please contact Shannon Shinault via email at sshinault@co.ocean.nj.us for more information.

The Barnegat Bay Beat is a quarterly newsletter produced by the Barnegat Bay National Estuary Program. The Barnegat Bay National Estuary Program is a partnership of federal, state and local interests. Our office is located on campus at Ocean County College, College Drive, Toms River, New Jersey.

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