

Registration Form

Name _____

Address _____

City _____ State _____ Zip _____

Phone (day) _____ fax _____

e-mail _____

School District or Institution _____

County _____

Waiver

I understand that all possible precautions are taken to ensure that programs and activities are conducted by mature and qualified personnel in a safe and responsible manner. I also understand that the activities, materials, equipment and locations of this workshop have the potential for risk. I further understand and agree that any person involved with this workshop can not be held liable for any accident or liability which may occur.

Signature _____

Emergency contact & phone # _____

Workshop fee: \$80.00

Mail check, made payable to Wetlands Institute, and registration form to: Coastal Teachers Workshop, NJDF&W, 220 Blue Anchor Rd., Sicklerville, NJ 08081.

Session I - Saturday Morning
(number choices 1-3, #1 being preference)

_____ Principles of Wildlife Management

_____ Marine Resources & Their Importance

_____ Beasts and Beaches of the Barrier Islands

Session II - Saturday Afternoon
(number choices 1-3, #1 being preference)

_____ Marine Ecology

_____ Wetlands Wildlife

_____ Horseshoe Crab/Shorebird Phenomenon

Session III - Sunday Morning
(number choices 1-3, #1 being preference)

_____ Schooner Cruise

_____ Bayman’s Cruise

_____ Bay Kayak Ecotour

_____ Bird Banding

☐ Yes, I will be attending the FREE *WOW!* workshop on Friday.

☐ Yes, I am requesting graduate credit through NJCU.

☐ **I will ONLY be attending the Free *WOW!* workshop on Friday, May 18**
(No check required).

The Coastal Workshop For Teachers will provide first-hand experience with coastal habitats. The workshop is designed to increase your knowledge of marine and estuarine ecosystems and their value, and to stimulate you to incorporate the information into your teaching. Learn how to use coastal sites as outdoor classrooms.

The workshop is taught by professional wildlife biologists and educators who are skilled in coastal natural resource subjects.

Ten courses are offered during the weekend. You may choose three. We will try to accommodate everyone’s first choices but preference will be first come-first served in most instances.

Workshop Fee: \$80.00 includes instruction, materials, equipment, and meals. You will make your own arrangements for lodging. A list of available accommodations will be sent with your registration confirmation.

Registration Information: The Coastal Workshop for Teachers is open to the first 60 pre-service teachers, classroom teachers, and non-formal educators who register. Non-educators will be admitted if space allows. To register, complete the form on this brochure and mail, with a check or invoice (made payable to the Wetlands Institute), to Coastal Workshop for Teachers, NJDF&W, 220 Blue Anchor Rd., Sicklerville, NJ 08081

Cancellation: Anyone who cancels by Friday, May 11 will receive a full refund. After that date, no refunds will be issued. You may send a substitute.

College Credit: New Jersey City University offers one graduate credit. You must complete the workshop and an independent assignment. The cost will be \$253.00 for residents and \$414.00 for non-residents. Requests for credit will be forwarded to Dr. John Marchisin, NJCU. Payment and enrollment will be made at the workshop. You may contact Dr. Marchisin at 201-200-3108 if you have questions.

Professional Development Credit: 15 hours

WOW! The Wonders of Wetlands: This FREE, optional workshop will be held on Friday, May 18th from 9:00 a.m. to 3:30 p.m. Participants will receive the 330 page WOW! activitiy guide which contains 44 student activities for grades K-12, organized into 3-5 day units of study on coastal and inland wetlands. The guides also contain background information, appendices, and lesson plans. You may register for *WOW!* without attending the rest of the weekend.

What to Bring: Wear field clothes which can get wet or muddy. Old jeans, spare sneakers or hip boots, warm clothes to layer, rain gear, a hat, and sun-glasses are recommended. You may also want to bring insect repellent, sun block, chapstick, water bottle, day pack, binoculars, hand lens, field guides, flashlight, clipboard, notepad, and pencils/pens. ***NOTE:** Bring your own mug. There will be a most original mug contest (and it’s environmentally friendly)!

Facilities: The workshop will be held at the Wetlands Institute (WI), a modern research facility and education center run by Lehigh University. The Wetlands Institute is located on Stone Harbor Boulevard, just before entering Stone Harbor, NJ. The facility offers easy access to the saltmarsh, coastal beaches, back bays, the inland water way, and tidal creeks. All meals will be served at WI.

Scholarships: A limited number of scholarships may be available through your county Federation of Sportsmen’s Clubs (call 856-629-7214 for the contact person in your county). Rotary, Kiwanis, Lion’s Club, AAUW, and PTAs have all supplied scholarships in the past. Contact your local organization. If necessary, the division can supply a letter of intent and a copy of this brochure.

Directions: Take the Garden State Parkway to exit 10 (traffic light). Turn east onto CR 657 (Stone Harbor Blvd) toward Stone Harbor. Follow for approximately 2 miles. The Wetlands Institute is on the right just before the bridge into Stone Harbor.

For more information: call 609-748-2031

Session I

Principles of Wildlife Management: This course will discuss the history and principles of wildlife management. Participants will receive materials and references needed for teaching about wildlife. Wildlife population changes will be demonstrated by working models. *Requirement for first timers.*

Marine Resources and Their Importance to People:

The cultural and economic importance of marine resources and human impacts on these resource will be discussed. Participants will take a trip to commercial fishing and processing businesses.

Beasts and Beaches of the Barrier

Islands: Physical processes influence the barrier islands and the plants and animals that inhabit them. Learn first-hand about the physical and economic pressures which shape these fragile islands.

Session II

Marine Ecology: The marine environment will be explored on a field sampling expedition to shore zones of the Atlantic Ocean, Corson’s Inlet, and the Great Egg Harbor River. We will use water bottles, plankton nets, sediment sieves, and beach seines to measure water quality (temperature, salinity and dissolved oxygen), and collect samples of plankton, benthic invertebrates, and fishes for examination. Expect to encounter diatoms, dinoflagellates, copepods, and mysids; clams, snails, polychaete worms, sea urchins, and sea anemones; and grass shrimp, sand shrimp, Japanese shore crab, blue crab, mummichogs, striped killifish, Atlantic silversides, northern pipefish and who knows what else. We will be wading and mucking about, so bring boots or waders to stay a little dry.

Wetlands Wildlife: Participants will learn about the species common to tidal wetlands by helping to conduct a biological survey. Discover the importance of tidal ecosystems.

Horseshoe Crab/Shorebird Phenomenon: Take a trip to Delaware Bay beaches to observe the spectacular shorebird migration and horseshoe crab breeding. Learn about the biology, ecology, and research involved in trying to protect this phenomenon.

Session III

Schooner Cruise: The Delaware Bay Schooner Project’s restored oyster schooner, A.J. Meerwald, acts as a floating classroom for schoolgroups. Enjoy an educational cruise and learn about the history, culture, traditional industries, ecology, and biology of Delaware Bay. **NOTE:** The time for the Schooner cruise is 9:30 a.m. - 12:00 p.m. **You will be driving here and may leave for home directly after the cruise.**

Bayman’s Boat Cruise: Join a working boat and try your hand at hauling gill nets and crab pots, digging clams and more. Weather proof gear is strongly recommended.

Bay Kayak Ecotour: Launch from the Wetlands Institute dock for a “no experience necessary” paddle along the backbay and through tidal creeks to explore the saltmarsh up close. The weather may be warm but the water will still be cold. Bring clothing which will stay warm if wet (wool, polypropylene, microfleece - NOT cotton).

Mist Netting & Bird Banding (limited to 10 landlubbers): Mist netting and bird banding is one of several tools used by researchers to gain information about avian populations. Using nets is one of the few known ways of safely capturing birds for hands-on examination and banding. Learn how the procedure is done and view birds up close and personal. This activity is weather dependent! Dress for the woods and ticks (light colored clothing that can be tucked into socks and waistbands). Session will leave the Wetlands Institute at 7:00 a.m. to travel to Belleplain State Forest.

Agenda

Friday, May 18, 2001

9:00 a.m.-3:30 p.m. - Free, optional WOW!
4:00-7:00 p.m. Check-in
6:00 p.m. Buffet Dinner
7:00 p.m. Evening Program

Saturday, May 19, 2001

7:30 a.m. Breakfast
8:30 a.m. Session I
12:00 noon Lunch
1:00 p.m. Session II
4:30 p.m. Free time
5:30 p.m. Refreshments
6:00 p.m. Buffet Dinner
7:00 p.m. Evening Program

Sunday, May 20, 2001

7:30 a.m. Breakfast
8:30 a.m. Session III
12:00 noon Lunch, wrap-up
& evaluations

New Jersey
Division of Fish & Wildlife
presents the 22nd annual

Coastal Workshop for Teachers

May 18 - 20, 2001

Wetlands Institute
Stone Harbor, NJ



Workshop Partners:

U.S. Fish & Wildlife Service’s
Federal Aid in Sportfish Restoration Program
Wetlands Institute
Delaware Bay Schooner Project

*Graduate credit offered through
New Jersey City University
Workshop meets requirements for
NJEA Professional Development Institute*

Coastal Workshop for Teachers
NJDF&W
220 Blue Anchor Road
Sicklerville, NJ 08081