

**The Sound School Regional Vocational Aquaculture
Center**

**Advisory/Consulting Committee Members
2004 - 2008**

**School Community Partnerships
New Haven Public School Perkins Grant Reporting
Process 08-09**

CT V-Notch Cooperative Program

Industry Government and Agency Partnerships
Connecticut Department of Environmental Protection
and Connecticut Legislative Act has provided 1
million in research for a cooperative
school/industry partnership for lobster
management. Frequently termed the Connecticut V
Notch Project, two Sound School educators Mr. John
Roy and Mr. Neil Geist have organized The Sound
School effort which included safety training,
biology and management workshops, student
technical seminars and on the water training. Our
partners include the Ella Grasso Technical School
in Groton and the Bridgeport Aquaculture School in
Bridgeport, CT. National and regional press
coverage has been obtained by the program.

Marine Advanced Technology Education Center (MATE)
ROV Program

Staff Development Workshops at MATE Center in
California
Marine Engineering and Physics Course implemented
at
Sound School. Junior and senior teams of students
are participating in a regional ROV Competition
organized by the MATE Center in New England to
demonstrate the capabilities of the vessels that
have designed and constructed and their skill in
operating them.

GIS

Staff Development Workshops at MATE Center in
California

Career information provided on website used to inform students applying to school and those enrolled in The Sound School about potential marine related careers that they can go into and the Knowledge and Skills Guidelines for some of the positions internships.

NOAA National Undersea Research Project and Center
The instructor and students in the Marine Engineering and Physics classes have visited the center and are working with staff members.

University of New Haven, Marine Biology Program
Research projects on Benthic Invertebrates as Bioindicators of Ecosystem Health have been conducted and new projects are being developed. An Articulation Agreement is also being developed

Yale University Department of Ecology and Evolutionary Biology/CT DEP Fisheries
Alewives Research Projects are being developed that will include growth and genetics studies carried out in our labs as well as field studies conducted at several lakes and rivers in CT

Southern CT State University
Research projects on the Effects of Pollution on Shellfish are being carried out

Connecticut Maritime Coalition - Marina and Boat Yard Training Network

Brewers Pilot's Point Marina
Brewers Bruce and Johnson's Marina
Milford Boat Works
Guilford Boat Works

All freshman classes participate in a career orientation field trip to one of the marinas listed above
Supervised Occupational Experiences and Cooperative
Placements are being set up for those students who wish to train at one of these sites.

Connecticut Maritime Coalition - Marine Education
Foundation

Gateway Community College

Marine Systems Technician Program is being organized and an articulation agreement being developed in which Sound School students will receive training on outboard engines and then go on to the community college to be trained as Mercruiser technicians making them eligible to be certified as Marine Systems Technicians by Mercury Marine University. If they complete all the academic requirements, they will also receive an AS Degree.

Mercury Marine University

Equipment recommendations and course outlines for Outboard Engine and Mercruiser Engine Training have been provided by Mercury Marine University. The Sound School will also be obtaining other training aids, instructional materials and technical manuals from them in the future to establish a program that meets their technician certification criteria.

Cape Cod Technical High School

Several staff members participated in a tour of the facility in Harwich, Cape Cod last June. Since then, considerable advice has been provided to us on setting up our program, how to obtain support for the program and what the operational costs are to maintain the program. This will also be the site where our instructors will receive his training next month.

New England Institute of Technology

The director of this school gave us a recommendation of the textbook that we should use for teaching our outboard mechanics course.

NOAA Marine Fisheries Laboratory - Milford

All of the scientists/researchers at this lab have devoted many hours and provided tremendous amounts of information and resources to aid us in the

setting up of our science labs. They have also contributed the curriculum materials, applications and protocols that we are using to teach the students the knowledge and skills required to work in these marine/aquaculture related fields. Our students make frequent field trips to the facility to meet with staff members and visit the labs. Some of the students also participate in either Supervised Occupational Experiences or Cooperative Placements at this lab.

CT Department of Agriculture, Bureau of Aquaculture
Laboratory

All of the scientists/researchers at this lab, working along side of the people from the NMFS lab, have also devoted countless hours and provided tremendous amounts of information and resources to aid us in the setting up of our science labs. They also continue to contribute curriculum materials, applications and protocols to help us establish the instructional programs in Bacteriology, Histology and Pathology. They are also providing our staff members with professional development in these subjects that will improve their proficiency to teach the students the knowledge and skills required to work in these marine/aquaculture related fields. Our students also go on field trips to the facility to meet with staff members and visit the labs. Our students will also work with these scientists on research projects on fish and shellfish from New Haven Harbor and other parts of Long Island Sound.

Center of Marine Biotechnology/Maryland Sea Grant
Extension Program

One of our staff members participated in a biotechnology workshop at this center in Baltimore, MD last summer and returned to enthusiastically work to put into practice what she had learned in her Aquaculture Science/Natural Resources and Genetics/Aquaculture Biotechnology courses.

Connecticut United for Research Excellence (CURE)

CURE is the organization in New Haven, CT that promotes all of the biotechnology industries and education programs for the entire state. It provided training workshops that two of our instructors participated in this last summer. Through a donation made by our Fisher Science Education sales representative, Leo Palmero, The Sound School was offered a visit by the CT Biobus on this past February 3rd. All of our Aquaculture Biology and Genetics students participated in hands-on biotech investigations aboard the Biobus during its visit to the school.

AWS Convergent Technologies / Weathernet Station / WTNH Channel 8 / Weathernet Classroom

The Sound School has purchased the instruments and data transmission system that will enable it to become a Weathernet 8 Station on Channel 8 TV when the equipment is finally installed, hopefully, in the next few weeks. The real-time data about the weather conditions at New Haven Harbor will also be available to interested people with internet connections on their home, office or school computer by subscribing to the Weatherbug at www.aws.com.

Long Island Sound Study Citizens Advisory Committee

The Sound School is a member of this committee in order to keep informed about the current status of research, investigations, procedures, policies and educational resources that pertain to Long Island Sound and its watershed.

Long Island Sound Study Implementation Team

The Sound School has served as the host site for meetings of this group for the past several months.

CT DEP Marine Fisheries

Known age lobsters are being reared in our Fish Production Lab to be used in a study being conducted by CT DEP Marine Fisheries scientists.

CT DEP Anadomous Fisheries, CT River Salmon Association and Amity Junior High School Hatching, Growth and Release of Salmon in CT River

CT DEP Water Quality Monitoring

Plans are in the works to create a Quality Assurance Project Plan with advice and assistance from members of the Water Quality Division of DEP. This will enable The Sound School to get involved in Water Quality Monitoring Projects in the New Haven Harbor Watershed and collect data that will of value to local, state and national agencies in assessing the changes that are taking place in the waters of Long Island Sound.

MYSound / University of Connecticut

The efforts are ongoing to establish a MYSound water quality monitoring station at the end of new pier. Funding is needed to purchase the necessary supplies required to hook up the sensors on the pier with the online computer in the Emerson Building. Once all the pieces have been acquired, the system can be installed and made operational.

Ella T. Grasso Regional Vocational Technical School Sound School students and staff will work with students and staff from the Grasso Regional Vocational Technical School in an Interdistrict Marine Education Program. The focus of the program will be development of a shellfish hatchery with harvester and a depuration laboratory series of projects.

Project Oceanology

Working with Project O, The Sound School will be organizing the WATER project for middle school students in New Haven, Hamden, Old Saybrook, Old Lyme and Westbrook.