

UNITED STATES COAST GUARD ACADEMY, NEW LONDON, CT

**LONG ISLAND SOUND RESEARCH AND
NEW ENGLAND ESTUARINE RESEARCH SOCIETY
PRELIMINARY JOINT CONFERENCE PROGRAM
THURSDAY, OCTOBER 26, 2006**

ALUMNI CENTER

7:00 – 8:30 **Continental Breakfast / Registration**

8:30– 9:00 **Welcome - Rear Admiral James C. Van Sice**
Introduction – W. Frank Bohlen

WATER QUALITY – Chair, Rob Mason

9:00 – 9:15 **An Overview of Process Studies of the Long Island Sound Integrated Coastal Observing System, LISICOS**
Dam, Hans G., J. O'Donnell, F. Bohlen, H. Dierssen, W. Fitzgerald, J. Kremer, S. Lin, G. McManus, P. Renaud, P. Vlahos, and R. Whitlatch
Dept. Mar. Sci., Univ. Connecticut, Groton, CT 06340-6098

9:15 – 9:30 **Benthic Foraminifera: Ecosystem Monitors of Eutrophication in Long Island Sound**
Thomas, Ellen¹, and J. C. Varekamp²
¹Department of Geology & Geophysics, Yale University, New Haven, CT
²Department of E & ES, Wesleyan University, Middletown, CT

9:30 – 9:45 **Mechanism(s) of Eutrophication-Related ¹⁵N Enrichment in Long Island Sound**
Altabet, Mark A.¹, and J. C. Varekamp²
¹School for Marine Science and Technology, U. Mass. Dartmouth, New Bedford, MA
²Department of E & ES, Wesleyan University, Middletown, CT

9:45 – 10:00 **Evaluation of Caffeine's Utility as a Tracer of Sewage in Long Island Sound**
Johnson, Sean D. and G. Benoit
Yale Environment School, Yale University, New Haven, CT 06520.

10:00 – 10:15 **Dissolved organic carbon (DOC), C:N and Nutrient Distributions in Western Long Island Sound**
Manalo, Cervinia, and P. Vlahos
Univ. of Conn. Avery Point, 1080 Shennecossett Rd. Groton CT, 06378

10:15 – 10:30 **Pelagic Respiration in Western LIS in Relation to Sources of Available Carbon**
Kremer, James N., and N. Goebel
Dept. Mar. Sci., Univ. Connecticut, Groton, CT 06340-6098

10:30 – 10:45 **BREAK**

REMOTE SENSING/MANAGEMENT – Chair, Ralph Lewis

10:45 – 11:00 **Development of Riparian Buffer “Toolbox” of Existing Resources for Long Island Sound Region**
Gorokhovich, Yuri¹ and W. Smith²
¹Center for International Earth Science Information Network at Columbia University; ²USDA-NRCS, CT

11:00 - 11:15 **Application of Remote Sensing Technologies for the Delineation and Assessment of Coastal Marshes and their Constituent Species around Long Island Sound**
Gilmore, Martha S.¹, D. L. Civco², J. D. Hurd², E. H. Wilson³ and S. Prisløe³
¹Dept. of Earth and Environmental Sciences, Wesleyan University, 265 Church St., Middletown, CT 06459; ²Dept. of Natural Resources Management and Engineering, University of Connecticut, 1376 Storrs Road, Storrs, CT 06269; ³Center for Land Use Education and Research, UConn Cooperative Extension System, 1066 Saybrook Road, PO Box 70, Haddam, CT 06438

11:15 – 11:30 **Disturbance of the Seafloor: Anthropogenic Artifacts and Sedimentary Furrows in Long Island Sound**
Carey, Drew A.¹, M. Greenblatt², and T. J. Fredette³
¹CoastalVision, 215 Eustis Avenue, Newport, RI 02840
²ENSR, 2 Technology Drive, Westford, MA 01886
³U.S. Army Corps of Engineers, New England District, Concord, MA

11:30 – 11:45 **Multibeam Bathymetry Reveals a Variety of Sedimentary Features in the Peconics Potentially Significant to Management of the System**
Kinney, Juliet, and R. D. Flood
Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794-5000

11:45 – 12:00 **Benthic Habitat Mapping in Long Island Harbors and Bays**
Flood, Roger D. and R. Cerrato.
Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794-5000

12:00 – 12:15 **Application of Marine Protected Area Design Models in Large Estuarine Systems with a Focus on Long Island Sound**

Zajac, Roman N.¹, and A. E. Wheeler^{1,2}

¹Dept. Biology & Environmental Science, Univ. New Haven, West Haven CT 06516; ²East View Cartographic, Minneapolis MN 55447

12:15 – 1:30

**LUNCHEON - OFFICERS CLUB
Posters on Display**

SOUND PHYSICS - Chair, W. Frank Bohlen

1:30 – 1:45

A Year of Acoustic Doppler Current Meter Observations from Central Long Island Sound

Howard-Strobel, Mary M., W. F. Bohlen, and D. R. Cohen.
University of Connecticut, Department of Marine Sciences, 1080 Shennecossett Road, Groton, CT 06340

1:45 – 2:00

The Structure of Residual Non-Tidal Currents in Central Long Island Sound

Hao, Yan, and R. E. Wilson
Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794.

2:00 – 2:15

Seasonal Variation of Estuarine Exchange Circulation in Eastern Long Island Sound

Codiga, Daniel L.¹, and D. A. Aurin²
¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI 02882
²Department of Marine Sciences, University of Connecticut, Groton, CT 06340

2:15 – 2:30

The Seasonal Evolution of the Cold Pool in Central Long Island Sound,

Crowley, Heather A., and R. E. Wilson
Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794-5000

2:30 - 2:45

TBD

2:45 – 3:00

Summertime Hypoxia in Smithtown Bay

Swanson, R. L., R. E. Wilson, and P.S. Rose
Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794-5000

3:00 – 3:15

Vertical Mixing Rates and Hypoxia in Western Long Island Sound,

McCardell, Grant, and J. O'Donnell
University of Connecticut, 1080 Shennecossett Road, Groton, CT 06340

3:15 – 3:30

BREAK

SOUND CHEMISTRY – Chair, Penny Vlahos

- 3:30 – 3:45** **Use of Transgenic Medaka to Evaluate Mutagenicity of Urban Sediments from Long Island Sound and the New York Metropolitan Area**
McElroy, Anne¹, L. Mendelman², R. Setlow², D. Weisbaum³, M. Norris³, S. Leuke¹, and R. Winn³
¹
Stony Brook University, Stony Brook, NY, ²Brookhaven National Laboratory, Upton, NY, ³University of Georgia Athens, GA
- 3:45 – 4:00** **Effects of Water and Sediment temperature, Bioturbation and Plankton Addition on the Release of Sulfides and Ammonia From Sediments in Western Long Island Sound**
Cuomo, Carmela
Dept. of Biology & Environmental Sciences, Univ. of New Haven, 300 Boston Post Road, West Haven, CT 06516
- 4:00 – 4:15** **Chemical Speciation of Dissolved Vanadium in the Long Island Sound,**
Wang
- 4:15 – 4:30** **The Danbury Hatting Industry as a Mercury Source for Long Island Sound**
Varekamp, Johan
Department of E & ES, Wesleyan University, Middletown, CT
- 4:45 – 7:00** **POSTER RECEPTION – OFFICERS CLUB**
Poster titles listed at end of program
- 7:00 – 9:00** **DINNER BANQUET - OFFICERS CLUB**
Guest Speaker Attorney General Richard Blumenthal, “Public Trust Doctrine and the Reserve Concept for Long Island Sound”.

**LONG ISLAND SOUND RESEARCH AND
NEW ENGLAND ESTUARINE RESEARCH SOCIETY
PRELIMINARY JOINT CONFERENCE PROGRAM
FRIDAY, OCTOBER 27, 2006**

ALUMNI CENTER

7:20 – 8:50 Continental Breakfast / Registration

8:50 – 9:00 Welcome – Pam Neubert, NEERS President

INVASIVES – Chair, Carmela Cuomo

9:00 – 9:15 The Early History of Long Island Sound

Varekamp, Johan C.¹, E. Thomas², and R. S. Lewis³

¹Department of E & ES, Wesleyan University, Middletown, CT

²Department of Geology & Geophysics, Yale University, New Haven, CT

³Department of Marine Sciences, University of Connecticut, Avery Point, CT

9:15 – 9:30

Continuing Studies on Invasive Ascidians in Long Island Sound: The Newest Invader, *Didemnum* sp., and its Effect on the Ecology of the Sound

Whitlatch, Robert B.¹ and R.W. Osman²

¹Department of Marine Sciences, University of Connecticut and ²Smithsonian Environmental Research Center

9:30 – 9:45

The Effect of Goose Grazing on Standing Crop and Seed Production of *Spartina alterniflora* in a Jamaica Bay Salt Marsh

Stalter, Richard¹, M. D. Byer², and P. Nguyen²

¹Department of Biological Science, St. John's University, Jamaica NY 11439

²Gateway National Recreation Area, 210 New York Avenue, Staten Island NY 10305

³Science Department., Borough of Manhattan College, CUNY, 1199 Chambers Street, New York NY 10007

9:45- 10:00

Presence and Infectivity of Human Pathogenic Viruses in Long Island Sound

Xu, Ying, M. Pagano, and G. T. Taylor

Marine Sciences Research Center, Stony Brook University, Stony Brook, NY 11794 USA

10:00 – 10:15

Use of Food Web Theory as a Basis for Investigating Management Strategies for Invasive Species

Heinonen, Kari B. and P. J. Auster

Department of Marine Sciences, University of Connecticut, 1080 Shennecossett Rd., Groton, CT 06340

10:15 – 10:30

A Comprehensive Plan for Addressing Aquatic Nuisance Species in Connecticut and Long Island Sound

Balcom et. al.

10:15 – 10:45

BREAK

SHELLFISH – Chair, Evan Ward

- 10:45 – 11:00** **A Switch from Polyandry to Serial Monogamy: Results from a Three Year Tagging Study of Horseshoe Crabs in Long Island Sound,**
Mattei, Jennifer H.
Dept. of Biology, Sacred Heart University, Fairfield, CT. 06825
- 11:00 – 11:15** **Application of New Techniques to Investigate the Control of Water Pumping in Bivalve Molluscs**
Frank, Dana M., J. E. Ward, S.E. Shumway, and J. F. Hamilton
Department of Marine Sciences, University of Connecticut, Groton, CT 06340
- 11:15– 11:30** **The effect of Shell Abrasion on Molting in *Procambarus clarkia***
Laufer, Hans^{1,2} and Demir, Neslihan¹
¹University of Connecticut, Molecular and Cell Biology, Storrs, CT 06269
²The Marine Biological Laboratory, Woods Hole, MA, 02543
- 11:30 – 11:45** **Pass the Picoplankton Please: Aggregates Facilitate the Uptake of Small Particles by Suspension – Feeding Bivalves**
(K) Kach, Dustin J., and E. Ward
Department of Marine Sciences, University of Connecticut, Groton, CT 06340
- 11:45 – 12:15** **CLOSING- Conference Synthesis & Management Implications**
- 12:30 – 1:30** **LUNCHEON**
Guest Speaker Department of Environmental Protection Commissioner Gina McCarthy, “The Science & Management of Long Island Sound”
- ESTUARINE METABOLISM – Chair, Pam Neubert**
(K) denotes Ketchum Prize candidate
- 1:30 – 1:50** **Perspectives on Oxygen Depletion in Connecticut Estuarine Waters**
Gaines, Arthur G.¹, and S.D. Pratt²
¹Marine Policy Center, Woods Hole Oceanographic Inst., Woods Hole, MA 02543; ²Graduate School of Oceanography, Univ. of Rhode Island, Narragansett, R.I., 02882
- 1:50 – 2:10** **A Comparison of the Nitrogen Assimilated into Biomass Estimated from the Oxygen Rate of Change for Two Estuaries: Mumford Cove and Niantic River**
(K) Vaudrey, Jamie M.P¹, A. Branco¹, S. Wainright², and J.N. Kremer¹
¹Department of Marine Sciences, University of Connecticut, 1080 Shennecossett Road, Groton, CT 06340; ²Science Department, U. S. Coast Guard Academy, 31 Mohegan Avenue, New London, CT 06320
- 2:10 – 2:30** **Responses of Benthic-Pelagic Coupling to Climate Change in a Temperate Estuary**
(K) Fulweiler, R. Wally, and S. W. Nixon

Graduate School of Oceanography, University of Rhode Island, Narragansett,
RI 02882

**2:30 – 4:00 BREAK AND POSTER SESSION (see poster titles listed at end of program)
OFFICERS' CLUB**

ESTUARINE FAUNA – Chair, Marshall Pregnall

(K) denotes Ketchum Prize candidate

4:00 – 4:20 Aspects of Population Ecology in Two Populations of Fiddler Crabs, *Uca pugnax*

(K) Bergey, Lauren and J. S. Weis
Rutgers, The State Univ. of New Jersey, Dept. of Biological Sciences,
Newark, NJ 07102

4:20 – 4:40 Metal Impacts on Benthic Macroinvertebrate Community and Their Implications for the Feeding Habit of Mummichogs

(K) Goto, Daisuke¹ and W. G. Wallace²
¹Biology, Graduate School and Univ. Center, City Univ. of New York
(CUNY), New York, NY 10016; ²Biology, College of Staten Island, CUNY,
Staten Island, NY 10314

4:40 – 5:00 Fish Biomass Size Spectra in Narragansett Bay

(K) Longval, Brooke A. and C.A. Oviatt
Graduate School of Oceanography, University of Rhode Island

5:00 NEERS BUSINESS MEETING

6:00 SOCIAL & POSTER VIEWING – OFFICERS' CLUB

7:00 NEERS AWARDS BANQUET – OFFICERS' CLUB

Presentation of Student Presentation Awards

9:00 Dancing at ???

**LONG ISLAND SOUND RESEARCH AND
NEW ENGLAND ESTUARINE RESEARCH SOCIETY
PRELIMINARY JOINT CONFERENCE PROGRAM
SATURDAY, OCTOBER 28, 2006**

ALUMNI CENTER

SALT MARSH ECOLOGY – Chair, Robert Buchsbaum

9:00 – 9:20 Effects of Ditch Plugging on Salt Marsh Peat

Adamowicz, Susan C.¹, and L. Wagner²
¹Rachel Carson National Wildlife Refuge, Wells, ME 04090

²9037 Harvey Ave., Pennsauken, NJ 08110

- 9:20 – 9:40** **Late Holocene Fluctuations of C3 and C4 Plant Communities and Carbon Sequestration in a Maine Salt Marsh**
Johnson, Beverly J.¹, E. Beirne¹, K.A. Moore¹, C. Lehmann¹, C. Bohlen², and T.A. Brown³
¹Dept. of Geology, Bates College, Lewiston, ME 04240
²25 Webster Lane, Yarmouth, ME 04096
³Center for Accelerator Mass Spectrometry, LLNL, Livermore, CA 94551
- 9:40 – 10:00** **A Comparison of Plant N Dynamics in Fertilized and Natural New England Salt Marshes: A Paired 15N Tracer Study**
Drake, Deanne C.¹, L.A. Deegan¹, L.A. Harris¹, E.E. Miller², B.J. Peterson¹, and R.S. Warren²
¹Marine Biological Lab, Woods Hole, MA; ²Connecticut College, New London, CT
- 10:00 – 10:20** **Tracking Colonies of *Spartina cynosuroides* and *Phragmites* Along the Seekonk River: Disaster, Opportunities, and Perspectives**
Donnelly, G. M.¹ and M. Esten²
¹BIOSPEC, Inc., 147 6th St., Providence, RI 02906
²41 Rhodes Ave., Riverside, RI 02915
- 10:20 – 10:40** **BREAK**
- ESTUARINE MANAGEMENT – Chair, Robert Buchsbaum**
- 10:40 – 11:00** **Potential Microbial Bioinvasions Via Ships' Ballast and Proposed International Legislation to Reduce Introductions**
Drake, Lisa A.¹, M.A. Doblin², and F.C. Dobbs³
¹Dept. of Science, U.S. Coast Guard Academy, 27 Mohegan Avenue, New London, CT 06320; ²Univ. of Technology, Sydney, P.O. Box 123, Broadway New South Wales 2007, Australia; ³Dept. of Ocean, Earth and Atmospheric Sciences, Old Dominion University, 4600 Elkhorn Avenue, Norfolk, VA 23529
- 11:00 – 11:20** **Nosing Around for Wastewater Management Solutions**
Macfarlane, Sandy L.
Coastal Resource Specialists, PO Box 1164, Orleans, MA 02653
- 11:20 – 11:40** **Nitrogen Load – Eelgrass Extent Model Application to Nitrogen Criteria Development for One Class of US Estuaries – A Proof-of-Concept**
Latimer, Jim, S. Rego, G. Cicchetti, C. Pesch and E. Dettmann
U.S. Environmental Protection Agency, Office of Research and Development, NHEERL, Atlantic Ecology Division, Narragansett, RI 02882
- 11:40 – 12:00** **Past and Present Anthropogenic Impacts on the Water Quality of the Pettaquamscutt River Estuary (Narragansett, RI)**

Berounsky, Veronica M. and S.W. Nixon
Graduate School of Oceanography, University of Rhode Island, Narragansett,
RI 02882

12:00 Closing Remarks, Robert Buchsbaum, NEERS President

12:15 Box Lunch pick-up at the Alumni Center, followed immediately by Field Trip

12:25 Field Trip, part 1: the U.S. Coast Guard Barque EAGLE. The vessel is tied up in New London. Maps to the site will be distributed to those wishing a tour of the EAGLE. This would be a great place to consume your box lunch.
Field Trip, part 2: Barn Island Sound salt marsh. This portion of the field trip will be led by Scott Warren (Connecticut College).

**LONG ISLAND SOUND RESEARCH AND
NEW ENGLAND ESTUARINE RESEARCH SOCIETY
JOINT POSTER SESSIONS**

NEERS Student Presentation Prizes: (D) denotes Dean Prize candidate, (W) denotes Warren Prize candidate

Absorption, Backscatter and Chlorophyll Algorithms for Ocean Color Remote Sensing in Long Island Sound

Aurin, Dirk, A.¹, H. M. Dierssen¹, and M. S. Twardowski²

¹University of Connecticut, 1080 Shennecossett Road Groton CT 06340

²WET Labs Inc., 165 Dean Knauss Dr., Narragansett, RI 02882

Spatial and Temporal Variability in Sediment Oxygen Demand in Long Island Sound

Balcom, Prentiss H.¹, W. F. Fitzgerald¹, J. M. Godfrey¹, G. A. Grenier¹, C. G. Cooper², D. R. Cohen¹, J. O'Donnell¹, N. Morata, and D. C. Bennett

¹Marine Sciences, University of Connecticut, Groton, CT, USA, ²Ocean Technology Foundation, Groton, CT, USA

The Re-discovery of the Native Common Reed, *Phragmites australis* subsp. *americanus* Saltonstall, Peterson, and Soreng, in Connecticut

Barrett, Nels E.¹, W. H. Moorhead, III², C. Chadwick³, and S. Prisloe³

¹USDA-NRCS, Tolland, CT; ²Litchfield, CT; ³UCONN-CES, Haddam, CT

The Effect of Watershed Land Cover on Allochthonous Input of Colored Dissolved Organic Matter (CDOM) to Coastal Receiving Waters

(D) Branco, Alison B.

Univ. of Connecticut, Dept. of Marine Sciences, 1080 Shennecossett Road, Groton, CT 06340

Partitioning of Metals on Size-Fractionated Harbor Sediment

Breslin, Vincent T., J. Santanelli, E. Ogalin, and J. Conklin

Science Education and Environmental Studies, Center for Coastal and Marine Studies, Southern Connecticut State University, New Haven, CT 06515

***Fusarium* Species Associated With Declining *Spartina* in Areas Affected by Sudden Wetland Dieback**

Elmer, Wade H.¹, C. L. Robertson², S. Useman², R. L. Schneider², and K. O'Donnell³

¹The Connecticut Agricultural Experiment Station, New Haven, CT 06540

²Dept. of Plant Pathology and Crop Physiology, Louisiana State Univ. Agricultural Center, Baton Rouge, LA 70803

³NCAUR, ARS, USDA, 1815 N. University St. Peoria, IL 61604

Grain Size Effects on the Distribution of Metal Contaminant Concentrations in Sediments in Connecticut Harbors

Lally, Heather¹, M. Yagid², J. F. Tait²

¹Earth Sciences; ²Science Ed/ Environmental Studies; Center for Coastal and Marine Studies Southern Connecticut State University, New Haven, CT 06515

Using Natural Radionuclides to Recognize the Extent of Hypoxia in Western Long Island Sound

(D) Leon, Lily¹, G. Stewart¹, C. McHugh¹, P. Marchese², and Y. Zheng¹

¹Queens College, School of Earth and Environmental Sciences, Flushing NY 11367

²Queensborough Community College, Physics, Bayside, NY 11364

A Mass Balance Approach to Understanding Zooplankton Fecal Pellet Cycling In Western Long Island Sound

Loglisci, Caroline A. and H. G. Dam.

Department of Marine Sciences, University of Connecticut, Groton, CT 06340-6098

A Multi-scale Approach to Seagrass Monitoring: Feasibility Test in Pleasant Bay, MA

Neckles, Hilary A. and B. S. Kopp

USGS Patuxent Wildlife Research Center, 196 Whitten Rd., Augusta, ME 04330

Fish Community Structure in the Brackish Freshwater Marsh of the Quinnipiac River

(D) Pabst, Leah, and R.N. Zajac

Department of Biology and Environmental Science, University of New Haven, CT 06516

An Interactive Guide to the Plankton Communities of Long Island Sound

Pellegrino, P. E.¹, and T. A. Randall²

¹Eastern Connecticut State University, Willimantic, Ct 06226

²U.S. Army Corps of Engineers, Environmental Resources Section, Concord, MA 01742

Seafloor Character and Sedimentary Processes of Six Mile Reef – Interpretations from Verified Multibeam Bathymetry and High-Resolution Seismic Profiles

Poppe, Lawrence J.¹, S. J. Williams¹, E. F. Doran², M. S. Moser³, N. A. Forfinski³, H. F. Stewart³, and R. S. Lewis⁴

¹Coastal and Marine Geology Program, USGS, Woods Hole, MA 02543

²Connecticut Department of Environmental Protection, Hartford, CT 06106

³Atlantic Hydrographic Branch, NOAA, Norfolk, VA 23510

⁴Long Island Sound Resource Center, Groton, CT 06340

**Mapping the Sea Floor in North-Central Long Island Sound with Interpolated
Reconnaissance Multibeam Bathymetry**

Poppe, Lawrence J.¹, S. D. Ackerman¹, E. F. Doran², A. J. Beaver³, J. M. Crocker³, and P. T. Schattgen³

¹Coastal and Marine Geology Program, USGS, Woods Hole, MA 02543

²Connecticut Department of Environmental Protection, Hartford, CT 06106

³Atlantic Hydrographic Branch, NOAA, Norfolk, VA 23510

**Use of Lidar and Airborne and Satellite Multispectral Imagery to Classify and Map
Phragmites australis in Tidal Marshes of the Lower Connecticut River**

Prisloe, Sandy¹, C. Chadwick¹, E. Wilson¹, J. Hurd², D. Civco², and M. Gilmore³

¹Univ. of Connecticut, Dept. of Cooperative Extension, Haddam, CT 06438

²Univ. of Connecticut, Dept. of Natural Resources Management and Engineering, Storrs, CT 06269-

4087; ³Wesleyan University, Dept. of Earth and Environmental Sciences, Middletown, CT 06459

**Nature vs. Nurture: A Behavioral and Genetic Study of Two Populations of Blue Crab
(*Callinectes sapidus*) in New Jersey**

(D) Reichmuth, Jessica M.¹, J. Hill², A. R. Place², and J.S. Weis¹

¹Dept. of Biological Sciences, Rutgers University, Newark, NJ 07102; ²Center of Marine Biotechnology, University of Maryland Biotechnology, Baltimore, MD 21202

Effects of Heavy Gill Parasite Burdens on *Fundulus heteroclitus* Anatomy and Physiology

(D) Santiago Bass, Celine¹ and S. Khan²

¹Graduate Program in Ecology & Evolution, Rutgers Univ., New Brunswick, NJ 08901; ²Graduate School of Biomedical Sciences, Univ. of Medicine & Dentistry of New Jersey, Newark, NJ 07107.

Development of an Offshore Food Web Model for Long Island Sound

(D) Seals, K.J (Betsy), and R.N. Zajac

Dept. of Biology and Environmental Science, University of New Haven, CT 06516.

Summertime Rates of Pelagic Respiration in Western Long Island Sound

(W) Shaw, Kaitlyn, P. Vlahos and J.N. Kremer

Dept. of Marine Sciences, University of Connecticut, 1080 Shennecossett Road, Groton, CT 06340

**State Growth Management and the Effectiveness of Coastal Management Programs: A
Comparison of Connecticut and Washington State Experiences**

Trumbull, Nathaniel S

Dept. of Geography, Univ. of Connecticut, Groton, CT 06340

**The Environmental Impact of Early Western Colonization on Long Island Sound:
Beavers meet Climate Change**

Varekamp, Johan. C.¹, E. Thomas², M. Buchholtz tenBrink³, and E. Mecray⁴

¹Department of E & ES, Wesleyan University, Middletown, CT

²Geology and Geophysics, Yale University, New Haven CT

³EPA, NHEERL, Atlantic Ecology Division, Narragansett RI

⁴NOAA, Silver Springs, MD

Tracking the Invasion of *Phragmites australis* into a Great Lakes Freshwater Estuary

Whyte, Robert S.¹, R. Shields², and D.M. Klarer³

¹Dept. of Biological and Environmental Science, California University of Pennsylvania, California, PA 15419

² Dept. of Curricular and Instructional Studies, University of Akron, Akron, OH

³Ohio Dept. of Natural Resources, Division of Wildlife, Columbus, OH

Integrated Marsh Management (IMM): A Holistic Approach to Wetland Restoration and Enhancement in Connecticut

Wolfe, Roger, and P. Capotosto

Connecticut Dept. of Environmental Protection, Bureau of Natural Resources, Wildlife Division, Wetlands Habitat and Mosquito Management (WHAMM) Program, Franklin, CT 06254

Connecticut Science Fair Students – Long Island Sound Foundation Award Recipients

Design of Improved Sand Fencing System to Accelerate the Growth of Sand Dunes And Prevent Coastline Erosion, Oei

Algae: Bloom or Doom? A Comparison of Natural and Chemical Algae Control Methods, Clark