

NEERS SPRING 2006 MEETING PROGRAM

Meeting Synopsis

Thursday, April 6: 7:30 AM – 8:00 PM

Breakfast, Meeting Registration, Special Boston Harbor Symposium:
Love that (not so) Dirty Water –
Science and Management of an Urban Estuary, Lunch, Welcoming Social

Friday, April 7: 7:00 AM – 9:30 PM (or beyond)

Breakfast, Meeting Registration, Contributed Oral Presentations, Lunch, Poster Session,
Business Meeting, Social and more poster viewing, NEERS Awards Banquet, Dancing in
Raffael's Lounge

Saturday, April 8: 7:00 AM – 12:30 PM plus optional Field Trip

Breakfast, Contributed Oral Presentations, Concluding Remarks, Pick up Box Lunches, Field trip

Thursday, April 6, 2006

7:30 AM-8:30 AM	Breakfast (Surf Ballroom)
8:00 AM – 9:30 AM	Meeting Registration (Foyer of Nantasket Ballroom)
9:00 AM – 5:00 PM	Boston Harbor Symposium (Nantasket Ballroom)
12:10 – 1:40 PM	Lunch (Surf Ballroom)
5:00 PM- 6:00 PM	Meeting Registration (Foyer of Nantasket Ballroom)
5:30 PM– 8:00 PM	Welcoming Social (Surf Ballroom)

SPECIAL BOSTON HARBOR SYMPOSIUM

Love that (not so) Dirty Water – Science and Management of an Urban Estuary

Session Chair = Carlton Hunt, Battelle Memorial Institute

* denotes presenter

9:00 Welcome and Introduction – Pam Neubert, ENSR International & NEERS President

9:10 Keay*, Kenneth E.¹, M. Hall¹, and M. Delaney²

¹Environmental Quality Department, MWRA; ²Dept. of Laboratory Services, MWRA,
100 First Avenue, Charlestown Navy Yard, Boston MA 02129

POLLUTION REDUCTIONS RESULTING FROM MWRA'S BOSTON HARBOR
PROJECT

9:30 Taylor, David I.

Environ. Quality Dept., Massachusetts Water Resources Authority, Boston, MA 02129
WASTEWATER DIVERSION, AND CHANGES TO THE HARBOR WATER-
COLUMN?

9:50 Libby*, P. Scott¹ and M. J. Mickelson²

¹Battelle, Brunswick, ME 04011

²Massachusetts Water Resources Authority, Boston, MA 02129

FOURTEEN YEARS OF MWRA WATER QUALITY MONITORING - HARBOR VS.
BAY OUTFALL EXPECTATIONS AND OBSERVATIONS

10:10 Hunt*, Carlton D.¹, D. Dahlen¹, L. Lefkovitz¹, S. Pala¹, and K. Keay²

¹Battelle, Duxbury, MA; ²Massachusetts Water Resources Authority, Boston, MA
CONTAMINANTS IN BOSTON HARBOR SEDIMENTS: 1990 TO 2005

10:30 Dahlen*, Deirdre T.¹, C. Hunt¹, S. Emsbo-Mattingly², and K. Keay³

¹Battelle Memorial Institute, Duxbury, MA 02332

²NewFields Environmental Forensics Practice LLC, Rockland, MA 02370

³Massachusetts Water Resource Authority, Boston, MA 02129

ARE TOXIC CONTAMINANTS ACCUMULATING IN MASSACHUSETTS
COASTAL SEDIMENTS FOLLOWING STARTUP OF THE MASSACHUSETTS
BAY OUTFALL: A COMPREHENSIVE COMPARISON OF BASELINE AND POST-
DIVERSION PERIODS

10:50 BREAK AND POSTER VIEWING

11:10 Maciolek, N.J.¹, James A. Blake*¹, K. Keay², and R.K. Kropp³

¹ENSR Marine and Coastal Center, 89 Water St., Woods Hole, MA 02536 ²Massachusetts
Water Resources Authority, 100 First Ave., Charlestown Navy Yard, Boston, MA 02129

³Battelle Marine Sciences Laboratory, 1259 West Sequim Bay Road, Sequim, WA 98382

CHANGES IN BENTHIC INFAUNAL COMMUNITIES ASSOCIATED WITH
SEWAGE ABATEMENT PROGRAMS IN BOSTON HARBOR

11:30 Tucker*, Jane¹, A.E.Giblin¹, S.W. Kelsey¹, C.S. Hopkinson¹, and B.L. Howes²

¹The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA 02543

²University of Massachusetts, Dartmouth, MA

BENTHIC METABOLISM AND NUTRIENT FLUXES IN MASSACHUSETTS BAY
RELATED TO THE RELOCATION OF THE BOSTON SEWAGE OUTFALL

11:50 Diaz, Robert J.

Virginia Institute of Marine Science, 1208 Greate Road, Gloucester Pt., VA 23062

BENTHIC HABITAT CONDITIONS WITHIN BOSTON HARBOR AND
NEARSHORE MASSACHUSETTS BAY

12:10 LUNCH AND POSTER VIEWING

1:40 Lefkovitz*, Lisa F.¹, M. Hall², and M. Moore³

¹Battelle Memorial Institute, Duxbury, MA 02332

²Massachusetts Water Resources Authority, Boston, MA 02129

³Woods Hole Oceanographic Institute, Woods Hole, MA 02543

FISH AND SHELLFISH MONITORING IN BOSTON HARBOR AND MASSACHUSETTS BAY FROM 1992 THROUGH 2005

2:00 Anderson, D.M.¹, B.A. Keafer*¹, and D.J. McGillicuddy²

¹Biology Department, Woods Hole Oceanographic Institution, Woods Hole, MA 02543

²Applied Ocean Physics and Engineering Dept., Woods Hole Oceanographic Institution, Woods Hole, MA 02543

INITIAL OBSERVATIONS OF THE 2005 *Alexandrium fundyense* BLOOM IN SOUTHERN NEW ENGLAND: GENERAL PATTERNS AND MECHANISMS

2:20 Wolf*, Steve¹, M. Greenblatt¹, S. Kelly¹, P. Neubert², I. Williams², R.J. Diaz³, J.H. Ryther⁴, C.Wright⁴, T.J. Fredette⁵, D.A. Carey⁶

¹ENSR, 2 Technology Park Dr., Westford, MA 01886

²ENSR, 89 Water St., Woods Hole, MA

³Diaz and Daughters, 6198 Driftwood Ln., PO Box, 114, Ware Neck, VA 23178

⁴CR Environmental, 639 Boxberry Hill Rd., E. Falmouth, MA 02536

⁵NED, US Army Corps of Engineers, 696 Virginia Rd., Concord, MA 01742

⁶CoastalVision, 215 Eustis Ave., Newport, RI 02840

STABILITY AND RECOVERY OF CAPPED IN-CHANNEL CAD CELLS: BOSTON HARBOR, MASSACHUSETTS

3:00 Geoghegan, Paul

Normandeau Associates Inc., 25 Nashua Road, Bedford, NH 03110

THE BOSTON HARBOR ARTIFICIAL REEF: A CASE STUDY OF DESIGN EVOLUTION, REGULATORY INTERACTION, AND PERFORMANCE EVALUATION

3:20 BREAK AND POSTER VIEWING

3:40 Hall*, Maurice P and S. Zende

Take A Second Look (TASL), 661 East Fifth St., So. Boston, MA 02127

TRENDS IN WINTERING WATERFOWL POPULATIONS IN BOSTON HARBOR - 1980 TO 2005

4:00 Overton Title Not Yet Submitted

4:20 Liebman, Matthew

US EPA, New England, Boston, MA 02114
IS MONITORING MASSACHUSETTS BAY NECESSARY? (YES)

4:40 Concluding Remarks and Discussion of Future Monitoring

5:00 – 6:00 Meeting Registration (Foyer of Nantasket Ballroom)

5:30-8:00 NEERS Welcoming Social (Surf Ballroom)

Friday, April 7, 2006

7:30 AM-8:30 AM Breakfast (Surf Ballroom)

7:00 AM – 8:30 AM Meeting Registration (Foyer of Nantasket Ballroom)

8:00 – 11:50 AM Oral Presentations (Nantasket Ballroom)

11:50 AM – 1:20 PM Lunch (Surf Ballroom)

11:50 AM-1:20 PM Executive Committee Meeting (Minot Room)

1:20 – 2:20 PM Oral Presentations (Nantasket Ballroom)

2:20 – 3:40 PM Poster Presentations (Nantasket Ballroom)

3:40 – 5:00 PM Oral Presentations (Nantasket Ballroom)

5:00 PM NEERS Business Meeting (Nantasket Ballroom)

6:30 PM-9:30 PM Banquet and Awards Presentations (Surf Ballroom)

9:30 PM-???

Listening and Dancing at Raffael's Lounge
(located within Hotel with live band, disco ball, and dance floor!)

MORNING CONTRIBUTED PAPERS SESSION

Session Chair = Pam Neubert, ENSR International

* denotes presenter, **(K)** denotes Ketchum Prize candidate, **(R)** denotes Rankin Prize candidate

8:00 Welcome and Introductory Remarks – Pam Neubert, NEERS President

8:10 **(K)** DiMilla*, Peter A., and S. W. Nixon

Graduate School of Oceanography, University of Rhode Island Narragansett, RI 02882
DETERMINING THE APPLICABILITY OF STABLE NITROGEN ISOTOPES TO
DOCUMENT THE SOURCE AND FATE OF NITROGEN IN GREENWICH BAY, RI

8:30 **(K)** Kinney*, Erin L., and I. Valiela

Boston University Marine Program, Woods Hole, MA 02543
DEVELOPMENT OF A SENSITIVE AND WIDESPREAD INDICATOR OF
ESTUARINE NITROGEN LOADS: STABLE ISOTOPIC SIGNATURES IN SALT
MARSH CORDGRASS

8:50 **(K)** Fox*, Sophia E.¹, M. Teichberg¹, L. R. Heffner², and I. Valiela¹

¹Boston Univ. Marine Program, Marine Biological Laboratory, Woods Hole, MA 02543

²Present address: University of California Los Angeles, Department of Environmental Health Sciences, Los Angeles, CA 90095

MACROALGAL BLOOMS: THE RELATIVE INFLUENCE OF NUTRIENT SUPPLY, GRAZING, AND PREDATION IN WAQUOIT BAY, MASSACHUSETTS

9:10 (K) Oczkowski*, Autumn J., and S.W. Nixon

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

HUNTING FOR 'CADDY'S PEAK': AN EXAMPLE FROM THE NILE DELTA LAGOONS, EGYPT

9:30 (R) Foster*, Sarah Q.¹, and A.E. Giblin²

¹Hampshire College, Amherst, MA 01002

²Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA 02543

INFLUENCE OF A EUTROPHIC GRADIENT AND *ZOSTERA MARINA* ON NITRIFICATION-DENITRIFICATION IN A SHALLOW ESTUARY

9:50 BREAK

10:10 (R) Nelson*, Katelyn A. and A. E. Bernhard

Department of Biology, Connecticut College, New London, CT 06320

PATTERNS OF ARCHAEOAL COMMUNITIES CORRELATE WITH SALT MARSH VEGETATION PATTERNS

10:30 (R) Zwingelstein*, Brian and P. Morgan

Dept. of Biological Sciences and Dept. of Environmental Studies, Univ. of New England, Biddeford, ME 04005

GREEN CRABS, FISH AND ADJACENT LAND USE: AN INVESTIGATION OF FRINGING SALT MARSHES ALONG THE YORK RIVER, MAINE

10:50 (K) Griffin, Pamela J

University of Southern Maine, Portland, ME

THE LANDSCAPE ECOLOGY OF NEW ENGLAND SALT MARSH FORB PANNES

11:10 (K) Fox*, Liza R., and I. Valiela

Boston Univ. Marine Program, Marine Biological Laboratory, Woods Hole, MA 02543

LONG-TERM CHANGES IN SALT MARSH VEGETATION: EFFECTS OF CHRONIC NUTRIENT ENRICHMENT AND SEA-LEVEL RISE.

11:30 (K) Noel*, Paula E., G. K. Macdonald, S. E. Byers and G. L. Chmura

Department of Geography and Global Environmental and Climate Change Centre, McGill University, Montreal, QC H3A 2K6 Canada

RECOVERY, RESILIENCE AND RESISTANCE OF BAY OF FUNDY SALT

MARSHES

11:50 LUNCH (Executive Committee Meets in Minot Room with Lunch)

AFTERNOON CONTRIBUTED PAPERS – ORAL PRESENTATIONS

Session Chair = Marshall Pregnall, Vassar College

- 1:20 (R)** Bender*, Geoffrey W., and Anne E. Bernhard
Department of Biology, Connecticut College, New London, CT 06320
HIGH BACTERIAL DIVERSITY ON DIFFERENT SUBSTRATES IN A ROCKY
INTERTIDAL HABITAT
- 1:40 (K)** Peacock*, Emily E.¹, C. M. Reddy², and G. R. Hampson³
¹Boston University Marine Program, Woods Hole, MA 02543
²Woods Hole Oceanographic Institution, Woods Hole, MA 02543
³Woods Hole Group, Falmouth, MA 02536
THE PERSISTENCE OF PETROLEUM HYDROCARBONS IN TWO BUZZARDS
BAY SALT MARSHES
- 2:00 (K)** Watts*, Alison W., and T.P. Ballestero
University of New Hampshire, Durham, NH 03824
PAH CONCENTRATIONS IN WETLAND PLANTS – DOES THE SEDIMENT
MATTER?
- 2:20 BREAK AND POSTER SESSION**

POSTER PRESENTATIONS

* denotes presenter, **(D)** denotes Dean Prize candidate, **(W)** denotes Warren Prize candidate

General Session

Adamowicz*, Susan C.¹, and R. Rozsa²

¹Rachel Carson National Wildlife Refuge, 321 Port Rd., Wells, ME 04090

²Connecticut Dept. of Environmental Protection, Office of Long Island Sound Programs,
79 Elm Street, Hartford, CT

SUDDEN WETLAND DIEBACK IN NEW ENGLAND

(D) Albright, Jennifer L

School of Marine Science, University of Maine, Orono, ME 04469

DISTRIBUTION AND RELATIVE ABUNDANCE OF THE SAND SHRIMP,
CRANGON SEPTEMSPINOSA IN THE SHEEPSCOT, KENNEBEC AND
DAMARISCOTTA RIVER ESTUARIES, MAINE

(W) Barrie*, Stacey, and S. Pratt
URI Graduate School of Oceanography, Narragansett, RI
THE RESCUE OF DATA FROM THE LONG-TERM STUDY OF BENTHOS IN
MOUNT HOPE BAY

Benoit, Lori K.
Office of Long Island Sound Programs, Connecticut Dept. of Environmental Protection,
Hartford, CT
HYDRILLA VERTICILLATA IN NEW ENGLAND: AN INVASIVE THREAT TO
ESTUARIES AND COASTAL PONDS

(W) Brace*, Greg W.¹, R. N. Buchsbaum², and M. E. Hines¹
¹Department of Biological Sciences, University of Massachusetts Lowell, 01854
²Massachusetts Audubon Society, Wenham 01984
EFFECTS OF HAYING ON NITROGEN ACQUISITION AND SEDIMENT
BIOGEOCHEMISTRY IN *SPARTINA PATENS* AND *SPARTINA ALTERNIFLORA*

Brawley*, John W.¹, N.S. Banas², A.D. Mansfield¹, and M. Jiang³
¹Battelle, Duxbury, MA; ²University of Washington, Seattle, WA; ³University of
Massachusetts, Boston, MA
A TRANSFERABLE METHOD FOR ASSESSING CARRYING CAPACITIES OF
SHELLFISH AQUACULTURE IN THE MASSACHUSETTS COASTAL ZONE.

(W) Cadwallader, Matthew L.
Department of Geography-Anthropology, University of Southern Maine, ME 04038
PREDICTING THE RECOVERY OF EELGRASS BEDS FOLLOWING DREDGING
OF THE ENTRANCE TO MANCHESTER HARBOR, MASSACHUSETTS

(D) Chadwick*, Cary B.¹, N. Barrett², W. H. Moorhead III³, S. Prisløe⁴, E. H. Wilson⁴,
and R. N. Zajac¹
¹Dept. Biology & Environmental Science, Univ. New Haven, 300 Boston Post Road,
West Haven, CT 06516
²USDA Natural Resources Conservation Service, 344 Merrow Road, Suite A (Rte. 195)
Tolland, CT 06084
³486 Torrington Road, Torrington, CT 06759
⁴Center for Land Use Education and Research, Univ. of Connecticut Cooperative
Extension System, 1066 Saybrook Road, P.O. Box 70, Haddam, CT 06438
INTEGRATION OF REMOTE SENSING AND FIELD DATA TO ASSESS THE
SPATIAL DISTRIBUTION AND COMPOSITION OF SALT MARSH VEGETATION
IN CONNECTICUT SALT MARSHES

(W) Connors*, Erin and S. Pratt

University of Rhode Island, Graduate School of Oceanography, Narragansett, RI 02882
BENTHIC INFAUNA IN THE WATER COLUMN OF NARRAGANSETT BAY:
POLYCHAETES

(D) Goodrich *, Tara M.¹, L. J. Osher¹, and S. Barker²

¹Dept. of Plant, Soil and Environmental Science, University of Maine, Orono, ME 04469

²Maine State Department of Marine Resources, Boothbay Harbor, ME

TOOLS FOR MEASURING CHANGES IN EELGRASS (*ZOSTERA MARINA*)
DISTRIBUTION OVER TIME

(W) Mills*, Angela J., and R. H. Carmichael

University of Maine at Machias, Machias, ME 04654

USING MOLTS TO DISCERN JUVENILE HORSESHOE CRAB POPULATION
STRUCTURE AT TAUNTON BAY, MAINE

Moore*, Slade B.^{1,3}, and S. Perrin²

¹Department of Marine Resources, P.O. Box 8, West Boothbay Harbor, ME 04575

²Friends of Taunton Bay, P.O. Box 585, Bar Harbor, ME 04609

³Current address: Woodlot Alternatives Inc., 30 Park Drive, Topsham, ME 04086

SEASONAL MOVEMENTS AND RESOURCE-USE PATTERNS OF THE
AMERICAN HOSESHOE CRAB (*LIMULUS POLYPHEMUS*) IN A GULF OF MAINE
EMBAYMENT

(D) Shields*, Erin C., and C. Weidman

Waquoit Bay National Estuarine Research Reserve, East Falmouth, MA

EXPLORING QUANTITATIVE APPROACHES TO CHARACTERIZING HYPOXIC
EVENTS

Boston Harbor Symposium

Cogswell¹, C.M*., J.H. (Chip) Ryther, Jr.¹, C.F. Wright¹, F. Mirarchi², B. Hecker³, A.D.
Michael⁴, D.C. Rhoads⁵, D. Stevenson⁶, and R. Valente⁷

¹CR Environmental, Inc. Falmouth, MA 02536;

²Boat Kathleen A. Mirachi, Inc., Scituate, MA 02060;

³Hecker Environmental, Falmouth, MA 02540;

⁴Alan D. Michael and Associates, Magnolia, MA 01930;

⁵Rhoads Consulting, Falmouth, MA 02540;

⁶National Marine Fisheries Services, Gloucester, MA 01930;

⁷SAIC, Newport, RI 02840

EFFECTS OF SMOOTH BOTTOM TRAWL GEAR ON SOFT BOTTOM HABITATS
IN WESTERN MASSACHUSETTS BAY

Leschen*, Alison S., R.K Kessler, and B. Estrella

Massachusetts Division of Marine Fisheries, 50A Portside Dr., Pocasset, MA 02559
EELGRASS RESTORATION IN THE NEW AND IMPROVED BOSTON HARBOR:
PROGRESS SO FAR

AFTERNOON CONTRIBUTED PAPERS – ORAL PRESENTATIONS, CONTINUED

Session Chair = Marshall Pregnall, Vassar College

* denotes presenter, **(K)** denotes Ketchum Prize candidate

- 3:40 (K) Rivers***, David O., and F. T. Short
Jackson Estuarine Laboratory, Univ. of New Hampshire, 85 Adams Point Rd., Durham
NH 03824
SEASONAL CHANGE IN HABITAT AREA AT THE DEEP END OF EELGRASS
(*ZOSTERA MARINA* L.) MEADOWS
- 4:00 (K) Olsen***, Ylva S. and I. Valiela
Boston Univ. Marine Program, Marine Biological Laboratory, Woods Hole, MA 02543
A COMPARATIVE STUDY OF THE EFFECT OF SEDIMENT FERTILIZATION ON
SEAGRASS IN A TEMPERATE AND A TROPICAL ESTUARY
- 4:20 (K) Sokoloff***, Paul D., G. E. Moore, and F. T. Short
Jackson Estuarine Laboratory, Univ. of New Hampshire, 85 Adams Point Road, Durham,
NH 03824
A MESOCOSM STUDY TO DETERMINE THE EFFECT OF LOWERED SALINITY
ON EELGRASS (*ZOSTERA MARINA*)
- 4:40 (K) Horn***, Lotte¹, M. van Keulen¹, and E. Paling²
¹School of Biological Sciences and Biotechnology, Murdoch Univ., Western Australia
6150
²Marine and Estuarine Research Laboratory, Environmental Science, Murdoch Univ.,
Western Australia 6150
TRANSPLANTING SEAGRASS IN A HIGH ENERGY ENVIRONMENT, WESTERN
AUSTRALIA
- 5:00 NEERS BUSINESS MEETING**
- 6:30 PM NEERS AWARDS BANQUET**
Student Presentation Awards
- 9:30 PM Listening and Dancing in Raffael's Lounge (Downstairs in Hotel)**

SATURDAY, APRIL 8, 2006

7:00 AM-8:00AM	Breakfast
8:10 AM – 12:10 PM	Oral Presentations
12:10 PM – 12:30PM	Closing remarks
12:30 PM	Pick up Box Lunch if Ordered & Field trip to Salt March Restoration Sites

FINAL CONTRIBUTED PAPERS SESSION

Session Chair = Robert Buchsbaum, Mass Audubon

* denotes presenter

- 8:10** Rutecki*, Deborah, and M. Scherer
Marine Research/Normandeau Associates Inc, 141 Falmouth Heights Rd., Falmouth, MA 02556
ASSESSMENT OF HATCHERY REARED WINTER FLOUNDER, *PSEUDOPLEURONECTES AMERICANUS*, AS A MITIGATION TOOL IN CAPE COD BAY, MA
- 8:30** Carmichael*, Ruth H.¹, A. Clapp¹, Z. Sheller¹, A. Tong¹, E. Gaines², and I. Valiela²
¹University of Maine at Machias, Machias, ME 04654
²Boston Univ. Marine Program, Marine Biological Laboratory, Woods Hole, MA 02543
DIET COMPOSITION OF JUVENILE HORSESHOE CRABS: IMPLICATIONS FOR GROWTH AND SURVIVAL OF NATURAL AND CULTURED STOCKS
- 8:50** Miller*, Jeremy W.¹, and P. Morgan²
¹Wells National Estuarine Research Reserve, 342 Laudholm Farm Road, Wells, ME 04090; ²University of New England, 11 Hills Beach Road, Biddeford, ME 04005
BENTHIC INVERTEBRATE COMMUNITY RESPONSE TO HYDROCARBON CONTAMINATION IN CASCO BAY, PORTLAND, MAINE
- 9:10** Fisher, Ryan
Biology Department, Salem State College, 352 Lafayette Street, Salem, MA 01970
ESTUARINE BIO-MONITORING USING THE MEIOBENTHOS - REVISITING A CASE STUDY FROM MANGROVE SEDIMENTS IN TROPICAL AUSTRALIA WITH A VIEW FOR USE IN SALEM SOUND, MASSACHUSETTS
- 9:30** Moore, Slade B.¹
Maine Department of Marine Resources, P.O. Box 8, West Boothbay Harbor, ME 04575
¹Current address: Woodlot Alternatives Inc., 30 Park Drive, Topsham, ME 04086
THE TAUNTON BAY ASSESSMENT: A CONTEXT-BASED ECOLOGICAL CHARACTERIZATION

9:50 BREAK

10:10 Short, Frederick T.

University of New Hampshire, Jackson Estuarine Lab, Durham, NH
INDIAN OCEAN TSUNAMI IMPACTS ON MANGROVE, SEAGRASS AND
CORAL REEF HABITATS

10:30 Donnelly, Grace M

BIOSPEC, Inc., 147th St., Providence, RI 02906
SPARTINA PATENS: COWLICKS AND STEM CELL ACTIVITY

10:50 Morgan*, Pamela A., and W. Nolton

Dept. of Environmental Studies, University of New England, Biddeford, ME 04005
IDENTIFYING INDICATORS OF ECOSYSTEM FUNCTION IN NEW ENGLAND'S
FRINGING SALT MARSHES

11:10 Osher*, Laurie J., and J. Jespersen

Dept. of Plant, Soil and Environmental Science, University of Maine, Orono, ME 04469
CARBON STORAGE IN ESTUARINE SEDIMENTS: THE MISSING SINK?

11:30 Moore*, Gregg E.¹, D.R. Keirstead², P. Sokoloff¹, and F. T. Short¹

¹Jackson Estuarine Laboratory, Univ. of New Hampshire, 85 Adams Point Road, Durham,
NH 03824; ²USDA-NRCS, 2 Madbury Road, Durham, NH 03824

INTEGRATING SUBAQUEOUS SOIL DATA IN SITE SELECTION MODELING OF
EELGRASS (*ZOSTERA MARINA*) RESTORATION IN GREAT BAY ESTUARY, NEW
HAMPSHIRE

11:50 Dettmann*, Edward H.¹, L. Cooper², L.B. Mason³, K.M. Henry⁴, A. Erhunse⁵, J.
Jacques⁶, and R. Rakauskas⁷

¹USEPA, ORD-NHEERL, Atlantic Ecology Division, 27 Tarzwell Drive, Narragansett,
RI 02882

²Univ. of Illinois, Civil and Environmental Engineering Department, Urbana. IL 61801

³ARCADIS G&M, Inc. 101 Fieldcrest Avenue, Suite 5E, Edison, NJ 08817

⁴University of Rhode Island, Graduate School of Oceanography, Narragansett, RI 02882

⁵Florida A&M University, Environmental Sciences Institute, Tallahassee, FL 32307

⁶Univ. of Rhode Island, Political Science Department, Kingston, Rhode Island 02881

⁷Bucknell University, Environmental Studies Department, Lewisburg, PA 17837

RELATIONSHIPS BETWEEN SUMMER CONCENTRATIONS OF TOTAL
NITROGEN AND CHLOROPHYLL A IN TEN COASTAL SYSTEMS IN THE
EASTERN UNITED STATES

12:10 Closing Remarks, Pam Neubert, NEERS President and Stickleback Award presentation

12:30 Field trip to MA Wetland Restoration Project Sites (car pool to sites on 'mainland')