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.J¹, James A. Blake*, 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. Hall\(^2\), and M. Moore\(^3\)
\(^1\)Battelle Memorial Institute, Duxbury, MA 02332
\(^2\)Massachusetts Water Resources Authority, Boston, MA 02129
\(^3\)Woods 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*, and D.J. McGillicuddy\(^2\)
\(^1\)Biology Department, Woods Hole Oceanographic Institution, Woods Hole, MA 02543
\(^2\)Applied 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*, Steve\(^1\), M. Greenblatt\(^1\), S. Kelly\(^1\), P. Neubert\(^2\), I. Williams\(^2\), R.J. Diaz\(^3\), J.H. Ryther\(^4\), C.Wright\(^4\), T.J. Fredette\(^5\), D.A. Carey\(^6\)
\(^1\)ENSR, 2 Technology Park Dr., Westford, MA 01886
\(^2\)ENSR, 89 Water St., Woods Hole, MA
\(^3\)Diaz and Daughters, 6198 Driftwood Ln., PO Box, 114, Ware Neck, VA 23178
\(^4\)CR Environmental, 639 Boxberry Hill Rd., E. Falmouth, MA 02536
\(^5\)NED, US Army Corps of Engineers, 696 Virginia Rd., Concord, MA 01742
\(^6\)CoastalVision, 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. Zendeh
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
Present 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 ZOSTERА 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 ARCHAEAL 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., 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. Prisloe⁴, 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. Barker ²
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
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. Sokoloff³, 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’)