



NEERS FALL 2012 MEETING
October 11 – 13, 2012
Spring House Hotel, Block Island, Rhode Island

Hosted By

The Graduate School of Oceanography, University Of Rhode Island

Local organizers:

*Veronica Berounsky, Walter Berry, Charley Roman, MJ James-Pirri, and
Autumn Oczkowski*

Gold Supporters

The Nature Conservancy, Woods Hole Sea Grant

Silver Supporter

Woods Hole Group



MEETING SCHEDULE

All oral presentations are in Victoria's Parlor, all posters and exhibits are in the Sunroom Wing, and all meals are in the Dining Room of the Spring House Hotel

Thursday, October 11th

6:00 am	Be at ferry dock in Pt. Judith for 6:30 Block Island ferry OR
10:30 am	Be at ferry dock in Pt. Judith for 11:00 Block Island ferry
11:00 am – 12:00 pm	Meeting registration (on 11:00 Block Island Ferry)
12:15 pm – 1:25 pm	Buffet lunch (included in registration fee) and hotel check-in
12:30 pm – 1:25 pm	Meeting registration (Spring House foyer)
1:30 pm – 5:00 pm	Symposium: "Thinking Beyond Boundaries: Broader Perspectives in Coastal Ecology"
4:15 pm	Still on the mainland? Catch the 4:45 pm ferry to the meeting.
5:15 pm – 7:00 pm	Welcoming social and poster set-up
6:45 pm – 8:30 pm	Buffet dinner (must sign-up during pre-registration)
8:00 pm – 9:00 pm	Informal symposium discussion

Friday, October 12th

7:00 am – 7:55 am	Continental Breakfast (included with hotel room), poster set-up
7:00 am – 8:00 am	Meeting registration (Spring House Foyer)
8:00 am – 12:05 pm	Oral presentations: "Nutrient Budgets and Biogeochemical Cycling"
12:05 pm – 1:05 pm	Buffet lunch (included in registration fee)
1:05 pm – 2:45 pm	Oral presentations: "Primary Production and Higher Trophic Levels"
2:45 pm – 4:00 pm	Poster presentations on Estuarine Science, Management, and Policy
4:00 pm – 5:00 pm	Oral presentations: "Physical Environments"
5:00 pm – 6:00 pm	NEERS Business Meeting and Elections
6:00 pm – 7:15 pm	Social and continued poster viewing
7:15 pm – 9:00 pm	NEERS Student Awards Banquet (must sign-up during pre-registration)
9:00 pm - ??	Games, entertainment, and dancing

Saturday, October 13th

7:00 am – 7:55 am	Continental Breakfast (included with hotel room)
8:00 am – 9:20 am	Oral presentations: "Ecology, Restoration, and Management of Shellfish Populations"
9:20 am – 10:10 am	"Ignite" session on special topics
10:30 am – 12:10 pm	Oral presentations: "Estuarine Ecosystems"
12:15 pm	Meeting adjourn
12:30 pm – 2:30 pm	Optional field trips around Block Island
2:45 pm	Be at ferry dock for 3 PM ferry to Pt. Judith OR
5:45 pm	Be at ferry dock for 6 PM ferry to Pt. Judith

Thursday, October 11th

SPECIAL SYMPOSIUM:

Thinking Beyond Boundaries: Broader Perspectives in Coastal Ecology

Details: The symposium program is timed around the ferry schedule (see “Meeting Site” on the meeting web site). You can take the 11:00 AM ferry to Block Island, be on island at 12 noon, check into your room, enjoy lunch at the Spring House dining room, and be ready for the first talk at 1:30 PM in Victoria’s Parlor of the Spring House. The session goes until 5:15 and is followed by a social hour, so if you must leave Thursday, you still have time to socialize and discuss before catching the 6:30 ferry back to Pt. Judith. Thursday evening there will be an informal discussion of the symposium topics in the living room of one of the hotel guest-houses.

Background: Dr. Scott W. Nixon was an active participant in NEERS meetings for many years – giving presentations, asking probing questions, keeping the discussion going – and he always encouraged students to present their research results at NEERS. Scott loved the NEERS Block Island meetings; he often suggested speakers, topics, and ideas for the Rhode Island NEERS meetings and this past winter and spring were no exception. To honor Scott we thought that, rather than having a session focusing on Scott’s works (since there will be other sessions dedicated to that at URI-GSO and CERF), we would do it NEERS style, and have a session that Scott would have enjoyed. Scott was not afraid to think outside of the box, nor was he afraid to jump into public debate. This session will embody some of the key aspects of Scott’s work: thinking beyond the boundaries of scale, time, space, ecosystem, discipline, and convention. We also think this symposium would be appreciated by two others who also recently left us: Dr. Michele Dionne of the Wells National Estuarine Research Reserve in Maine, and the Providence Journal environmental writer Peter Lord who spoke at several Block Island NEERS meetings and interviewed many NEERS members about science issues. Hopefully this session will keep us thinking and inspire us to move onward from the work of Scott, Michele, and Peter.

Chairs: Veronica Berounsky and Walter Berry

* Presenter

1:30 Welcome by URI-GSO’s Brand New Dean Dr. Bruce Corliss

1:40 Introduction to the Symposium and brief bio of Scott W. Nixon, Ph.D.
by Veronica Berounsky and Walter Berry

2:00 Introductory Presentation by the
2012 Recipient of the NEERS Achievement Award: Fred T. Short
Aquatic Resources Div., Washington State Dept. of Natural Resources, Olympia, WA
HISTORY THROUGH THE LENS OF SEAGRASS SCIENCE

2:30 Giblin, Anne E.
Marine Biological Laboratory, Woods Hole, MA
NEW NITROGEN PROCESSES – RIDICULOUS OR SUBLIME?

3:00 Kincaid*, Chris, C. Balt, A. Pfeiffer-Herbert, and D. Ullman
Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
CHARACTERIZING THE INFLUENCE OF THE GREAT 2010 FLOOD ON
CIRCULATION, FLUSHING AND CHEMICAL TRANSPORT IN NARRAGANSETT
BAY

3:30 BREAK

- 3:45** McWilliams*, Scott, P. Paton, K. Winiarski, P. Loring, and J. Osenkowski
University of Rhode Island, Kingston, RI
ASSESSING THE POTENTIAL IMPACTS OF OFFSHORE WIND FACILITIES ON
BIRDS: IN THE BEGINNING
- 4:15** Swift, Judith
Coastal Institute, Graduate School of Oceanography, U.R.I., Narragansett, RI
COASTAL ECOLOGY: A MIXING ZONE OF THE NIXONIAN MIND
- 4:45** Panel Discussion (all the speakers)
- 5:15** Welcoming Social
- 5:45** Ferry arrives from Pt. Judith
- 6:00** If you must leave today, head to the ferry. New arrivals join social at Spring House Hotel.
- 6:30** Ferry departs for Pt. Judith.
- 6:45** Dinner at Spring House Hotel for those who are staying
- 8:00** Informal symposium discussion

Friday, October 12th

- 8:00** Welcome and Introductory Remarks – Steve Hale, NEERS President

Nutrient Budgets and Biogeochemical Cycling

Chair: Steve Hale

* Presenter; **(K)** Ketchum Prize candidate for best graduate student presentation,
(R) Rankin Prize candidate for best undergraduate student presentation

- 8:05** Brown*, Shelley M.¹, A. L. Ehrlich¹, C. Deacutis³ and B. D. Jenkins^{1,2}
¹Department of Cell and Molecular Biology and
²Graduate School of Oceanography, University of Rhode Island, Kingston, RI
³Narragansett Bay Estuary Program, Narragansett, RI
BIODIVERSITY OF ACTIVE NITROGEN FIXERS DECREASES ALONG THE
ESTUARINE GRADIENT OF NARRAGANSETT BAY
- 8:25** **(K)** Ehrlich*, Andraya L.¹, S. M. Brown¹, L. L. Coiro², C. Doucet¹, A. Jones¹, R.
Spinette¹, C. Deacutis³, and B.D. Jenkins^{1,4}
¹Dept. of Cell and Molecular Biology, Univ. of Rhode Island, Kingston, RI
²US EPA, ORD, NHEERL, Atlantic Ecology Division, Narragansett, RI
³Narragansett Bay Estuary Program, Narragansett, RI
⁴Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
TESTING THE RELATIONSHIP OF HYPOXIA AND MICROBIAL NITROGEN
FIXATION IN SEDIMENTS MAINTAINED IN A LABORATORY SETTING

- 8:45 (K) Heffner***, Leanna R.¹, A. E. Giblin², R. Marino^{2,3}, and S. W. Nixon¹
¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
²Marine Biological Lab., MA; ³Dept of Ecol. & Evolutionary Biol., Cornell Univ., NY
 RESPONSES OF NITROGEN FIXATION AND DENITRIFICATION TO VARYING
 N LOADS IN NEW ENGLAND SALT MARSHES: A TRANSPLANT EXPERIMENT
- 9:05 (K) Vieillard***, Amanda M. and R. W. Fulweiler
 Department of Earth and Environment, Boston University, Boston, MA
 ARE TIDAL FLATS FUNNY? NITROUS OXIDE FLUXES AND THE WETTING
 AND DRYING OF TIDAL FLAT SEDIMENTS
- 9:25 (R) Rogener***, Mary Katherine¹, E. M. Heiss¹, and R. W. Fulweiler^{1,2}
 Departments of ¹Earth and Environment and ²Biology, Boston University, Boston, MA
 METALS, MUD, AND THE NITROGEN CYCLE – THE IMPACT OF MN AND FE
 ON SEDIMENT N₂ FLUXES IN A TEMPERATE MARINE ECOSYSTEM
- 9:45 (K) Chang***, Nicole W.¹, C. R. Tobias¹, and J. K. Bohlke²
¹University of Connecticut, 1080 Shennecossett Rd, Groton, CT
²U.S. Geological Survey, 12201 Sunrise Valley Dr, Reston, VA
 ANAMMOX IN COASTAL GROUNDWATER
- 10:05 BREAK**
- 10:25 (K) Schmidt***, Courtney¹, S. Nixon¹, K. Raposa², and B. Buckley¹
¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
²Narragansett Bay National Estuary Research Reserve, Prudence Island, RI
 WET ATMOSPHERIC DEPOSITION OF NO₃⁻ AND NH₄⁺ IN NARRAGANSETT
 BAY FROM 1988-1996
- 10:45 (K) Carey***, Joanna C.¹ and R. W. Fulweiler^{1,2}
 Departments of ¹Earth and Environment and ²Biology, Boston University, Boston, MA
 WATERSHED LAND USE - A MAJOR CONTROL ON SILICA EXPORT TO
 MARINE WATERS
- 11:05 (K) Heiss***, Elise M.¹ and R. W. Fulweiler^{1,2}
 Departments of ¹Earth and Environment and ²Biology, Boston University, Boston, MA
 WATER COLUMN NITRIFICATION FROM SHORE TO SHELF
- 11:25 (K) Foster***, Sarah Q.¹ and R. W. Fulweiler^{1,2}
 Departments of ¹Earth and Environment and ²Biology, Boston University, Boston, MA
 NET N₂ FLUX AND NUTRIENT CYCLING DYNAMICS OVER A TRAJECTORY
 OF INCREASING EUTROPHICATION IN WAQUOIT BAY, MA
- 11:45 (K) Fields***, Lindsey¹, S. W. Nixon¹, S. Granger¹, and R. W. Fulweiler²
¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
²Departments of Earth and Environment and Biology, Boston University, Boston, MA
 AN APPARENT RAPID RESPONSE OF BENTHIC-PELAGIC COUPLING TO
 ECOSYSTEM CHANGES IN MID-NARRAGANSETT BAY, RHODE ISLAND

12:05 – 1:05 LUNCH

Primary Production and Higher Trophic Levels

Chair: Autumn Oczkowski

* Presenter; **(K)** Ketchum Prize candidate for best graduate student presentation,

(R) Rankin Prize candidate for best undergraduate student presentation

1:05 (K) Emery*, Hollie E.¹ and R. W. Fulweiler^{1,2}
Departments of ¹Earth and Environment and ²Biology, Boston University, Boston, MA
DECREASED SALT MARSH GREENHOUSE GAS EMISSIONS ASSOCIATED
WITH *PHRAGMITES AUSTRALIS*

1:25 (K) McManus*, M. Conor and C. A. Oviatt
Graduate School of Oceanography, University of Rhode Island, Narragansett, RI
COASTAL CURRENT EFFECTS ON PRIMARY PRODUCTION RATES AND
IMPLICATIONS FOR ECOSYSTEM DYNAMICS IN MASSACHUSETTS BAY

1:45 (K) McNamara*, Marianne E., D. J. Lonsdale, and R. M. Cerrato
School of Marine and Atmospheric Science, Stony Brook University, Stony Brook, NY
CONTRASTING MICROPLANKTON ABUNDANCE AND COMPOSITION
DURING POPULATION BLOOMS OF *MNEMIOPSIS LEIDYI*

2:05 (R) Weiss*, Lena¹, C. A. Karp¹, and B. K. Sullivan-Watts²
¹Center for Environmental Studies, Brown University, Providence, RI
²Department of Biology, Providence College, Providence, RI
DISTRIBUTION AND RELATIVE ABUNDANCE OF *MNEMIOPSIS LEIDYI* ALONG
A DOWN-BAY WATER QUALITY GRADIENT IN NARRAGANSETT BAY

2:25 (K) Meserve*, Molly and K. A. Ono
Department of Marine Sciences, University of New England, Biddeford, ME
BROOD PROVISIONING AND TOTAL FORAGING TIMES IN AN INLAND AND
COASTAL COLONY OF GREAT BLUE HERONS (*ARDEA HERODIAS*) IN MAINE

2:45 – 4:00 POSTER SESSION

* Presenter; **(D)** Dean Prize candidate for best graduate student poster; **(W)** Warren Prize
candidate for best undergraduate student poster

(D) Ballentine*, Mark L., R. Smith, P. Vlahos, and C. Tobias
Department of Marine Sciences, University of Connecticut, Groton, CT
UPTAKE AND PARTITIONING OF TNT AND RDX IN COASTAL MARINE ORGANISMS

(D) Corman*, Sarah S.¹, A. Angermeyer¹, J. M. Adler¹, M. D. Bertness¹, L. A. Deegan², and H.
M. Leslie¹
¹Department of Ecology and Evolutionary Biology, Brown University, Providence, RI
²Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA
SPARTINA ALTERNIFLORA IN A CHANGING CLIMATE: IMPACTS OF RISING
TEMPERATURES ON SALT MARSH ELEVATION

Coupland*, Catherine.¹, H. Stoffel², C. Oviatt¹, S. Kiernan², and E. Requentina¹

¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

²Rhode Island Department of Environmental Management- Office of Water Resources

EXAMINING OCEAN ACIDIFICATION IN ESTUARINE WATERS USING THE
NARRAGANSETT BAY FIXED SITE MONITORING NETWORK DATA

(D) Guardiani*, Jenay M.

Department of Marine Sciences, University of Connecticut, Groton, CT

STABLE CARBON AND NITROGEN ISOTOPIC RATIO VARIATIONS OF PARTICULATE
ORGANIC MATTER OF THE NEW RIVER ESTUARY, NC

(D) Hall*, Janis V.¹, Schoolcraft, K. S.¹, Moseman-Valtierra, S.M.², and Govenar, B.¹

¹Department of Biology, Rhode Island College, Providence, RI

²Department of Biological Sciences, University of Rhode Island, Kingston, RI

COMPARISON OF RIBBED MUSSEL POPULATIONS ALONG A NITROGEN LOADING
GRADIENT IN NARRAGANSETT BAY, RI SALT MARSHES

Kelsall*, Nathan K. and R. D. Davis

Anchor QEA, LLC, Cambridge, MA and Glens Falls, NY

EELGRASS (*ZOSTERA MARINA*) MITIGATION: HABITAT SUITABILITY AND
OUTCOMES

(W) Lima*, Tim¹, S. Moseman-Valtierra², B. Govenar³, K. Egan³, S. O'Brien³, and J. Tang⁴

¹University of Rhode Island; ²Biology Department, For Rhode Island College, RI

³U Mass, Amherst, MA; ⁴Marine Biological Laboratory, The Ecosystem Center, MA

GREEN HOUSE GAS FLUXES FROM SALT MARSHES ALONG A NITROGEN
GRADIENT IN NARRAGANSETT BAY, RI

(W) Palmisciano*, Melissa¹, C. Deacutis¹, L. Lambert¹, E. Gooding², and G. Cicchetti³

¹Narragansett Bay Estuary Program, Narragansett, RI; ²Sacred Heart University, Fairfield, CT

³US EPA, ORD, NHEERL, Atlantic Ecology Division, Narragansett, RI

MACROALGAL ABUNDANCE IN NARRAGANSETT BAY AND COVER CHANGES
FOLLOWING HURRICANE IRENE (2011)

Raposa*, Kenneth B.¹, M. Dionne², C. Peter², R. Weber¹, J. Fear³, S. Lerberg⁴, C. Cornu⁵, H.
Harris⁵, and N. Garfield⁶

¹Narragansett Bay NERR, Prudence Island, RI; ²Wells NERR, Wells, ME

³North Carolina NERR, Beaufort, NC; ⁴Chesapeake Bay NERR, Gloucester Point, VA

⁵South Slough NERR, Charleston, OR; ⁶NOAA Estuarine Reserves Division, Silver Spring, MD

MEASURING TIDAL WETLAND RESPONSE TO RESTORATION USING
PERFORMANCE BENCHMARKS FROM LOCAL NATIONAL ESTUARINE RESEARCH
RESERVE REFERENCE SYSTEMS

(W) Rossi*, Ryann¹, B. J. Jessen², and D. S. Johnson³

¹College of Environmental and Life Sciences, University of Rhode Island, Kingston, RI

²Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

³The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA

LEAF LITTER DECOMPOSITION AND PROCESSING IN A CARIBBEAN MANGROVE
FOREST AND ITS IMPLICATIONS FOR CARBON SEQUESTRATION

(D) Sampieri-Horvet, Sara J.

Dept. of Estuarine and Ocean Sci., SMAST, UMass Dartmouth, New Bedford, MA
EFFECTS OF NUTRIENT ENRICHMENT ON SPATIAL AND TEMPORAL PATTERNS OF
BENTHIC COMMUNITIES IN SOUTHEASTERN MASSACHUSETTS ESTUARIES

Sharif*, Rahat, A. M. DeSilva, and V. M. Berounsky

Narrow River Preservation Association, P.O. Box 8, Saunderstown, RI 02874
BACTERIAL TRENDS IN THE METTATUXET SUBWATERSHED OF THE
PETTAQUAMSCUTT ESTUARY OVER A PERIOD OF TWENTY YEARS

(D) Shaw, Kaitlyn C.

Dept. of Estuarine and Ocean Sci., SMAST, UMass Dartmouth, New Bedford, MA
ASSESSING SPATIAL ACCUMULATIONS OF OPPORTUNISTIC MACROALGAE IN S.E.
MASSACHUSETTS ESTUARIES

Stoffel*, Heather¹, C. Coupland², C. Oviatt¹, E. Requintina¹, and S. Kiernan²

¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

²Rhode Island Department of Environmental Management- Office of Water Resources
CHARACTERIZING HYPOXIC EVENTS FOR AN ASSESSMENT TOOL FOR
MANAGERS WITHIN NARRAGANSETT BAY, RI

Physical Environments

Chair: MJ James-Pirri

* Presenter; **(K)** Ketchum Prize candidate for best graduate student presentation

4:00 **(K)** Harder*, Timothy M.¹, G.C.L. David², T. W. Arienti¹, S. M. Gill¹, and C. E. Tilburg¹
¹Dept. of Marine Sciences and Marine Science Center, Univ. of NE, Biddeford, ME
²Dept. of Earth and Oceanographic Science, Bowdoin College, Brunswick, ME
CHANNEL MORPHOLOGY SHIFTS WITHIN THE SACO RIVER ESTUARY,
MAINE

4:20 **(K)** Theve, Marissa C.
USDA- NRCS, Tolland, CT and UConn Dept. Natural Res. and Environment, Storrs, CT
HALINITY IN COASTAL SOILS

4:40 **(K)** Still*, Brett S. and M. H. Stolt
Department of Natural Resources Science, University of Rhode Island, Kingston, RI
SOIL SCIENCE AND OYSTER AQUACULTURE IN RHODE ISLAND -
SUBAQUEOUS SOIL MAPS AS A TOOL FOR SPATIAL PLANNING

5:00 NEERS Business Meeting and Elections

6:00 Social and continued poster viewing

7:15 NEERS AWARDS BANQUET
Presentation of SPECIAL ACHIEVEMENT AWARD to Fred Short
Presentation of Student Presentation Awards

9:00 Entertainment and dancing

Saturday, October 13th

Chair: Pam Morgan

* Presenter

Ecology, Restoration, and Management of Shellfish Populations

- 8:00** Brown*, David¹ and B. Still²
¹The Nature Conservancy; ²University of Rhode Island
EASTERN OYSTER, *CRASSOSTREA VIRGINICA*, POPULATION DEMOGRAPHICS
AND ASSOCIATED ENVIRONMENTAL CHARACTERISTICS IN NINIGRET
POND, RHODE ISLAND
- 8:20** Macfarlane, Sandra L.
Coastal Resource Specialists, Orleans, MA
CHANGING PUBLIC PERCEPTIONS ONE OYSTER AT A TIME
- 8:40** Hines*, Coral M., K. Ruddock, and D. S. Brown
The Nature Conservancy, Rhode Island Chapter, 159 Waterman St. Providence, RI
DEVELOPING A GIS-BASED SITE SUITABILITY INDEX FOR RESTORATION OF
THE EASTERN OYSTER, *CRASSOSTREA VIRGINICA*
- 9:00** Johnson, J.¹, L. DiPippo¹, M. Gomez-Chiarri¹, B. DeAngelis², and Matt Griffen*³
¹University of Rhode Island; ²NOAA Restoration Center; ³Roger Williams University
SIM DATABASE: A DATABASE FOR THE INTEGRATED MANAGEMENT OF
SHELLFISH WILD, RESTORED, AND FARMED POPULATIONS

NEERS Ignites!

Chair: Walter Berry

* Presenter

- 9:20** Vaudrey*, Jamie M. P.¹, J. Eddings², C. H. Pickerell², L. Brousseau², and C. Yarish³
¹Department of Marine Sciences, University of Connecticut, CT
²Marine Program, Cornell Cooperative Extension of Suffolk County, NY
³Depts. of Ecol. and Evolutionary Biol. and Marine Sciences, Univ. of Connecticut, CT
DEVELOPMENT AND APPLICATION OF A LONG ISLAND SOUND GIS-BASED
EELGRASS HABITAT SUITABILITY INDEX MODEL
- 9:30** Elmer*, Wade H.¹, R. E. Mara¹, H. Li², and B. Li²
¹The CT Agr. Exp. Sta., New Haven, CT
²Fusan Univ., Shanghai, China
COMPARISON OF THE *FUSARIUM* SPECIES COMPOSITION BETWEEN A NEW
ENGLAND AND CHINESE SALT MARSH AFFECTED BY DIEBACK
- 9:40** Bergondo*, Deanna L.¹, M. J. Burke², W. T. Bell², and S. G. Winterberger²
¹United States Coast Guard Academy, New London, CT; ²United States Coast Guard
VARIABILITY IN RESIDENCE TIMES FOR THE THAMES RIVER ESTUARY, CT

9:50 Uva*, Thomas, J. Motta, J. Kelly, P. Reitsma, C. Comeau, and C. Oliver
Narragansett Bay Commission
ACHIEVING WATER QUALITY STANDARDS BY IMPLEMENTING
SUSTAINABLE ESTUARINE HABITAT RESTORATION AND AQUACULTURE
PROJECTS

10:00 Hale, Stephen
US EPA, ORD, NHEERL, Atlantic Ecology Division, Narragansett, RI
ECOLOGY OF GREAT SALT POND, BLOCK ISLAND

10:10 BREAK

Estuarine Ecosystems

Chair: John Brawley

* Presenter

10:30 Krumholz*, Jason^{1,2}, R. Burg^{2,3}, S. Deonarine⁴, J. Latimer⁵, L. O'Neil⁶, M. Parker⁷, J. Rose¹, and M. Tedesco²

¹NOAA Northeast Fisheries Science Center Milford Lab, Milford, CT

²EPA Long Island Sound Office, Stamford, CT

³New England Interstate Water Pollution Control Commission, Lowell, MA

⁴New York State Department of Environmental Conservation, Albany, NY

⁵EPA Office of Research and Development, Narragansett, RI

⁶EPA Region 1 office, Boston, MA

⁷Connecticut Department of Energy and Environmental Protection, Hartford, CT

LANGUAGE BARRIERS: THE SCIENCE OF TRANSFORMING MONITORING
DATA INTO ENVIRONMENTAL MANAGEMENT INDICATORS

10:50 Berounsky*, Veronica M.¹, R. Sharif¹, L. Maranda¹, D. Borkman¹, L. Green², R. Smith²,
and S. W. Nixon¹

¹Graduate School of Oceanography, University of Rhode Island, Narragansett, RI

²Watershed Watch Program, University of Rhode Island, Kingston, RI

PRELIMINARY RESULTS OF WHOLE-BASIN ECOSYSTEM METABOLISM
CALCULATIONS AND NUTRIENT DYNAMICS FOLLOWING AN ANOXIC
WATER VENTILATION

11:10 Bell*, Jeremy M.¹ and T. Nye²

¹Div. of Ecological Restoration, Mass. Department of Fish and Game, Boston, MA

²The Association to Preserve Cape Cod, Barnstable, MA

ECOLOGICAL CHANGE IN A FORMERLY RESTRICTED SALT MARSH AT
SESUIT CREEK, DENNIS, MA

11:30 Pregnall, A. Marshall

Biology Dept. and Environmental Research Institute, Vassar College, Poughkeepsie, NY
NEW GREEN INFRASTRUCTURE AND FLOODPLAIN RESTORATION IN AN
URBANIZED WATERSHED OF THE HUDSON RIVER ESTUARY: HOW MUCH
IMPROVEMENT CAN WE GET FOR HOW LITTLE AREA MODIFIED?

11:50 Patrizzi*, Beth¹ and S. P. Grace²

¹Cedar Island Marina Research Lab, Clinton, CT

²Southern Connecticut State University, Biology Department, New Haven, CT
WHAT AN *ASTRANGIA* PLACE TO SETTLE!

12:10 Closing remarks – John Brawley, Incoming NEERS President

12:15 Adjourn

12:30 Field trip departure – see web site for details