

**2010 ASLO NABS Joint Summer Meeting
6-11 June 2010 · Santa Fe, New Mexico, USA**

PROGRAM ADDENDUM

This addendum reflects any changes relevant to the meeting schedule and the scientific program that came about after the printing of the Conference Program. Revisions to the scientific program are noted and organized by day.

MISCELLANEOUS ADDITIONS TO THE CONFERENCE PROGRAM (As of June 1, 2010)

NOTE REGARDING CONCURRENT SESSION PROGRAM LISTING:

Please note that the conference program lists sessions located in the Museum of New Mexico. This is the New Mexico History Museum Auditorium located at 113 Lincoln Avenue.

ADDITIONAL PLENARY SESSION INFORMATION

Monday, 7 June 2010

ASLO Plenary Talk Information for Tara Plewa

Presentation: A Trickle Runs Through It: An Environmental History of the Santa Fe River, New Mexico

Tara Marie Plewa, Head, Geographic Information Systems, U. S. Army National Guard, South Carolina, USA

Abstract: Over the past four-hundred years in northern New Mexico, the Santa Fe River's evolution from clear mountain stream to dewatered urban ditch is tied closely to basin physiography and landscape processes, governmental and demographic changes, and the conflicting ideologies dividing its finite waters. This research underscores the connection between the natural system and the effects of humans in molding its past and present condition. The Santa Fe River was once the community's lifeblood, providing a means of sustenance and a sense of place. People gave the river animate qualities, treated it as a living part of the community, and shared its water equitably and beneficially. Now the often ignored, often dry channel sits several feet below street-level. Past traditions of water allocation and governance via acequia (irrigation ditch) communities are starkly different from the present piping infrastructure: now, river water is stored behind dams and delivery occurs at a price. Research objectives included: (1) describing the past and present conditions of the Santa Fe River from a physical perspective, including the effects of human actions on hydrology (flow) and geomorphology (form); and (2) documenting river function throughout the last four centuries of its history, while emphasizing the role of water in the region's initial survival, subsequent growth, current prosperity, and future challenges. These research objectives are met by applying geographic methods inherent to GIScience, hydrology, and fluvial geomorphology.

The digital reconstruction of historical acequia networks, the estimation of irrigation land totals from the rectification of historical maps, and the correlation of streamflow (reconstructed from tree-ring data) to yearly irrigation potential are new methods that connect river water availability and historical events. Findings indicate the influence of acequia agriculture on river hydrology and fluvial geomorphology is underemphasized. This environmental history of the Santa Fe River presents significant findings within a framework of flow, form, and function to elucidate the dominant role of humans in transforming land and water resources at the foot of the Sangre de Cristo Mountains.

Friday, 11 June 2010

ASLO Plenary Talk Information for Scott Glenn

Presentation: Two Decades into the Ocean Observatory Revolution: What We Learned in the COOLroom.

Scott Glenn, Institute of Marine and Coastal Sciences, Rutgers University, New Brunswick, New Jersey, USA.

Abstract: Oceanography has a long history as an expeditionary science, where oceanographers continue to go to sea for brief periods on ships, and scientific discovery is enabled by new observational technologies. The 1980's are often viewed as the start of the satellite revolution in ocean observing, with space-based imagers and altimeters providing the first regularly updated spatial maps of the changing surface of the world ocean on a sustained basis. The 1990's saw the beginning of the ocean observatory revolution, when efforts began to develop similar capabilities for sustained spatial

sampling beneath the surface. In the ensuing 20 years, shore-based remote sensing networks, profiling drifters arrays, and fleets of autonomous underwater robots were developed that compliment the sustained observations from space. With global communication enabled by the Internet, distributed communities of scientists have developed. Oceanographers can now go to sea with their colleagues on the World Wide Web, and our students at all levels can join us.

This talk traces the Coastal Ocean Observation Lab's 20-year history of building an ecosystem-scale coastal ocean observatory, discusses the technology-enabled scientific progress we made in the process and how it benefits society today. He will present plans for extending the observatory to other large-scale marine ecosystems around the world. This is especially important today, when the dual pressures of growing human populations and a changing climate are stressing ecosystems worldwide. Moreover, he will discuss how ocean observatories enable our education programs to reach a broader audience, and how ocean education is feeding back on ocean science, changing the face of oceanography.

Biographical Information: Scott Glenn is a professor of marine and coastal sciences at Rutgers University. He received his Sc.D. in ocean engineering from the MIT/WHOI Joint Program in 1983. He worked first at Shell Oil for 4 years as an ocean wave and current forecaster and then at Harvard University for another 4 years as a Gulf Stream forecaster for the U.S. Navy. For the past 20 years at Rutgers, Scott has designed, deployed, operated and utilized some of the most technologically advanced ocean observing systems for research, applications and education, publishing over 150 papers with his colleagues and students.

With Oscar Schofield, he is co-director of the Rutgers University Coastal Ocean Observation Lab, a globally distributed collaboratory for ocean science. He is a member of the board of directors for the U.S. Integrated Ocean Observing System's (IOOS) Mid-Atlantic Regional Coastal Ocean Observing Regional Association (MACOORA), and is the lead PI for its Mid-Atlantic Regional Coastal Ocean Observing System (MARCOOS). He is a board of directors member for the Department of Homeland Security's Center of Excellence for Port Security, a Project Scientist for the National Science Foundation (NSF) Ocean Observing Initiative (OOI)'s Cyber Infrastructure Implementing Organization (CI IO), leads a Slocum Glider Technology Center for the Office of Naval Research, and maintains the East Coast data hub for the NOAA National High Frequency Radar network.

Scott's education programs directly leverage the resources of the growing ocean observing community. He is a Co-PI for the NSF Centers for Ocean Science Education Excellence – Networked Ocean World (COSEE-NOW), is a science advisor for the NOAA Ocean Science Curriculum Sequence, and is a Collaborating Scientist and Teacher for the NSF Communicating Ocean Sciences network of researchers and educators. At Rutgers, he is a faculty PI for Oceanography House, an undergraduate living and learning community supporting a wide range of students with an interest in the ocean.

SCIENTIFIC PROGRAM REVISIONS BY DAY

As of June 1, 2010

Monday, 7 June 2010 – Oral Sessions

S24 Linking Environmental Change, Community Change, and Ecosystem Function in Streams

16:15 Hoeinghaus, D J; Gido, K B; Evans-White, M A; Ferrari-Hoeinghaus, A P; Dodds, W K; ECOSYSTEM EFFECTS OF BIODIVERSITY AND TROPHIC STRUCTURE INTERACT WITH HABITAT HETEROGENEITY IN EXPERIMENTAL STREAMS – Presentation Withdrawn

S33 Sources, Transport, and Cycling of Nutrients in Aquatic Ecosystems

16:45 McNamara, R A; McGlynn, B L; Covino, T P; STREAM NITROGEN UPTAKE DYNAMICS FROM AMBIENT TO SATURATION ACROSS DEVELOPMENT GRADIENTS, STREAM NETWORK POSITION, AND SEASONS IN A DEVELOPING WATERSHED – Presenting author changed

S38 Submarine Groundwater Discharge – From Watershed to Coast: Climate, Land-Use, Geohydrology and Marine Biogeochemical Impacts

11:30 Karam, H; Abarca, E; Puckett, K; Hemond, H F; Harvey, C; SEAWATER CIRCULATION THROUGH THE BEACH AT WAQUOIT BAY, MA: FLOW AND BIOGEOCHEMICAL DYNAMICS – Presentation Withdrawn

S44 Environmental Controls on Mercury Bioaccumulation in Freshwater Ecosystems

16:00 Kirk, J L; Muir, D; St. Louis, V L; Lehnher, I; Lamoureux, S; Stewart, K; Lewis, T; Yang, F; Iqaluk, D; THE TRANSFER OF TERRESTRIAL MERCURY TO FRESHWATER AQUATIC ECOSYSTEMS OF THE CANADIAN HIGH ARCTIC – Presentation Withdrawn

Tuesday, 8 June 2010 – Oral Sessions

S04 Considerations of Climate Change Effects on Biological Indicators in Aquatic Ecosystems

16:45 Wiltshire, K H; Boersma, M; Franke, H D; Scharfe, M; NORTH SEA, GERMAN BIGHT: A REVIEW OF 45 YEARS OF CHANGE – Presentation Withdrawn

S34 Biological, Ecological and Ecotoxicological Traits – Current Developments and Future Directions

Russell Rader, Brigham Young University, russell_rader@byu.edu – Session organizer unable to attend

S51 Organic Carbon Dynamics in Freshwater Arctic Ecosystems

17:00 Fortino, K; Whalen, S C; CONNECTIONS BETWEEN THERMOCLINE DEPTH AND ORGANIC MATTER MINERALIZATION IN ARCTIC LAKES: A POTENTIAL FEEDBACK BETWEEN CLIMATE CHANGE AND CARBON STORAGE – Presentation Withdrawn

T03C Biological Assessment-Agricultural or Urban Impacts on Biota

14:45 Lunde, K B; Resh, V H; MACROINVERTEBRATE RESPONSE TO BIOTIC AND ABIOTIC STRESSES IN FRESHWATER WETLANDS OF THE SAN FRANCISCO BAY AREA – Presentation Withdrawn

T20 Microbial Ecology

13:30 Rowan, A K; Wilson, S T; Hart, M C; Green, D H; Hatton, A D; THE ROLE OF HOTSPOT FACIAL PELLET MICRO-ENVIRONMENTS IN OCEANIC METHANE PRODUCTION – Presentation Withdrawn

14:30 Moss, A G; Donovan, E W; Dodson, M B; BACTERIAL ASSEMBLAGES OF THE LOBATE CTENOPHORE MNEMIOPSIS – Presentation Withdrawn

T29 Population Ecology

16:15 Bauer, B; Gaedke, U; Vos, M; DIVERSITY INFLUENCES ECOSYSTEM FUNCTION THROUGH SYNCHRONIZATION AND COMPENSATORY DYNAMICS – Presentation Withdrawn

Tuesday, 8 June 2010 – Poster Session

S04 Considerations of Climate Change Effects on Biological Indicators in Aquatic Ecosystems

Poster #003: Buktenica, M W; Girdner, S F; Larson, G L; Collier, R; TWENTY-FIVE YEARS OF MONITORING AND RESEARCH IN AN ULTRA-OLIGOTROPHIC DEEP LAKE – Presentation Withdrawn

Poster #005: Cozic-Houly, A; Boye, M; De la Broise, D; A NEW CHEMOSTAT TO DETERMINE THE EFFECTS OF TRACE METALS CO-LIMITATION ON A COCCOLITHOPHORID, GEPHYROCAPSA OCEANICA, UNDER A PCO2MIMICKING THE HIGH-CO2 WORLD – Presentation Withdrawn

S33 Sources, Transport, and Cycling of Nutrients in Aquatic Ecosystems

Poster #025: Arnett, H A; Saros, J E; Mast, M A; QUANTIFYING SURFACE WATER NITRATE CONCENTRATIONS THAT ELICIT DIATOM COMMUNITY CHANGES IN LAKES ACROSS THE ROCKY MOUNTAINS – Presenting author changed

S54 Frontiers in the Biology, Ecology and Global Significance of Pelagic Tunicates

Poster #71 Leandre, M Y; Gibson, D M; Frischer, M E; Paffenhöfer, G A; Wills, W D; Bickel, S; PHYTOPLANKTON AND BACTERIOPLANTON PROFILING OF SUBTROPICAL CONTINENTAL SHELF INTRUSION WATERS – Presentation Withdrawn

T20 Microbial Ecology

Poster #106: Burgos, S; Ramirez, A; BENTHIC STREAM BIOFILM METABOLISM ALONG A LAND USE GRADIENT IN TROPICAL IN PUERTO RICO – Presentation Withdrawn

T33 Systematics and Taxonomy

Rogers, D C; Slusark, J; Johnson, S; Kratz, K; Mazor, R; AN INTRODUCTION TO SAFIT; THE SOUTHWEST ASSOCIATION OF FRESHWATER INVERTEBRATE TAXONOMISTS – Presentation Withdrawn

Wednesday, 9 June 2010 – Oral Sessions

I01: Simulating Degradation of Benthic Invertebrate Communities to Evaluate Bioassessment Methods

List of Presenter Abstracts and Running Order:

8:02 a.m. Reynoldson, T. B.; Bailey, J. L.: A SIMPLE APPROACH TO CREATING SIMPACTED DATA TO ESTABLISH THE POWER OF RCA ASSESSMENT METHODS

8:14 a.m. Snyder, C. D.; Hitt, N. P.; Smith, D. R.; Daily, J. P.: USING SIMULATIONS TO EVALUATE THE EFFECT OF TAXONOMIC RESOLUTION ON THE SENSITIVITY OF MACROINVERTEBRATE BASED STREAM CONDITION MEASURES

8:26 a.m. Bailey, R. C.: SIMULATING ECOSYSTEM HEALTH AND SICKNESS: THE ONLY WAY TO KNOW THE TRUTH IS TO MAKE IT UP

8:38 a.m. Hawkins, C. P.; Cao, Y.: SIMULATING COMMUNITY RESPONSE TO STRESS CAN HELP INTERPRET ECOLOGICAL INDICES AND ANALYSES

8:50 a.m. Linke, S.: KEEPING IT REAL: DO IMPACT SIMULATIONS REFLECT ACTUAL DISTURBANCES (AND DOES IT MATTER)?

I03: Visions of Water Use through Varied Lenses

Interactive Session Cancelled

I10: Reaching Out and Making a Difference: Innovative Examples and Resources for Education and Outreach

This interactive session will begin with a panel discussion featuring:

- Penny Firth, Division Director, Division of Environmental Biology, National Science Foundation;
- Teresa Mourad, Director, Education and Diversity Programs, Ecological Society of America;
- Patrick Edwards, Instructor, Portland State University and Trillium Charter School; and
- Ruth McDonald, Project Director, Oregon Coast Aquatic and Marine Science Partnership.

I10 description, continued...

Each panelist will begin the discussion on one of these topics:

- Creative outreach and education ideas to get students or public interested in aquatic ecology and biota;
- Ecological concepts most easily conveyed to early scientists or public;
- Funding opportunities; and
- Online resources for aquatic education or streamside activities.

The audience/session participants will be encouraged to share favorite strategies, examples, and additional ideas as part of an open discussion.

I11 Causal Inference for Flow-Ecological Response Modelling: Application of Causal Criteria Analysis Using New Collaborative Software Tools for Systematic Review and Evidence Synthesis

Susan J. Nichols, The University of Canberra, sue.nichols@canberra.edu.au – Taking place of Richard Norris as Session Co-chair

S04 Considerations of Climate Change Effects on Biological Indicators in Aquatic Ecosystems

15:30 Brown, J.H. (Presentation Title Unavailable) – Presentation Withdrawn

T17 Land/Water Interfaces

16:00 Troxler, T G; Coronado-Molina, C; Rondeau, D N; Krupa, S; Sklar, F; INTERACTIONS OF BIOLOGICAL AND HYDROGEOCHEMICAL PROCESSES FACILITATE PHOSPHORUS DYNAMICS IN AN EVERGLADES TREE ISLAND – Presentation Withdrawn

T20 Microbial Ecology

11:15 Winkworth, C L; Townsend, C R; THE EFFECTS OF AGRICULTURAL ANTIBIOTICS ON STREAM BIOFILMS FOLLOWING A SIMULATED CONTAMINATION EVENT – Presentation Withdrawn

T100 Macronutrient Cycling

14:30 Saek, E A; Burford, M A; O'Brien, K; USING FLUORESCENCE TO QUANTIFY NUTRIENT STATUS OF NATURAL PHYTOPLANKTON COMMUNITIES (MORETON BAY, AUSTRALIA) – Presentation Withdrawn

T101 Invasive Species

11:45 Hammann, S; Zimmer, M; IS A STERILE SURFACE A KEY TO INVASION SUCCESS? – Presenting Author Changed

Thursday, 10 June 2010 – Oral Sessions

S12 River Research: Populations to Ecosystems

16:15 Oz, B; Brancelj, A; Mori, N.; DIFFERENCES IN MACROINVERTEBRATE COMMUNITIES OF SPRINGS IN THE ALPINE REGION OF SLOVENIA (EUROPE) RELATED TO HYDROGEOLOGY – Author Added; Presenting Author Changed

S55 From the Center to the Edge: Rediscovering the Littoral Zone in Lake Ecosystems

11:45 Nilsson, E; Solomon, C T; Wilson, K A; Willis, T V; Vander Zanden, M J; EFFECTS OF AN INVASIVE CRAYFISH ON BENTHIC INVERTEBRATE ABUNDANCES AND ECOSYSTEM-LEVEL TROPHIC FLOWS – Presentation Withdrawn

16:30 Bakker, E S; MACROPHYTE TRAITS ALONG A TROPHIC GRADIENT: STOICHIOMETRY, ANTI-HERBIVORE DEFENSE AND PALATABILITY – Presentation Withdrawn

T05A Biogeochemistry-Spatial and Temporal Dynamics

10:45 Ramsey, J B; Huryn, A D; Benstead, J P; Parker, S M; LIGHT-MEDIATED CONTROL OF SEASONAL NUTRIENT DYNAMICS IN AN ARCTIC SPRING-FED STREAM ECOSYSTEM – Presentation Withdrawn

11:30 Dixon, T C; Vermilyea, A W; Voelker, B M; HYDROGEN PEROXIDE DYNAMICS IN AN AGRICULTURAL HEADWATER STREAM: EVIDENCE FOR SIGNIFICANT BIOLOGICAL PRODUCTION – Presentation Withdrawn

T05C Biogeochemistry-Redox Dynamics

16:15: Risgaard-Petersen, N; Nielsen, L P; Fossing, H; Christensen, P B; Sayama, M; INSTANT COUPLING OF SULPHIDE OXIDATION AND OXYGEN REDUCTION OVER CENTIMETER DISTANCE INDICATES ELECTRIC CURRENTS IN MARINE SEDIMENTS – Presentation Withdrawn

T37 Education in Aquatic Sciences

11:15: Roach, W J; Bird, S; Maruca, S; Meir, E; Steinberg, E; Stal, D; Wallner, J; BUILDING A BETTER ECOLOGY TEXTBOOK FROM THE GROUND UP – Presentation Withdrawn

Thursday, 10 June 2010 – Poster Session

S09 Didymosphenia Geminata - Environmental Impacts, Limiting Factors, and Prospects for Control

Poster #193 McLaughlin, A; McKnight, D M; A REVIEW ON THE EFFECT OF *D. GEMINATA* NUISANCE GROWTH ON BENTHIC MACROINVERTEBRATE COMMUNITIES IN BOULDER CREEK – Presentation Withdrawn

Poster #196: Rost, A L; Fritsen, C H; DIFFERENCES IN BENTHIC COMMUNITY STRUCTURE AND FUNCTION IN THE PRESENCE OF DIDYMOSPHENIA GEMINATA, IN SIERRA NEVADA STREAMS, CA, USA – Presentation Withdrawn

S10 Foundation Species and Terrestrial-Aquatic Linkages: Effects of Shifting Tree Species Composition at the Aquatic-Riparian Interface

Poster #202: Fischer, D G; LeRoy, C J; Janda, S; Stygar, A; Martin, A; DOES INTRA-SPECIFIC VARIATION IN PRODUCTIVITY AND GROWTH-ALLOCATION OF A FOUNDATION RIPARIAN FOREST TREE LEAD TO DIFFERENCES IN BANK STABILIZATION? – Presentation Withdrawn

S16 Limnology and Oceanography: Fluids and Environments – Celebrating Interdisciplinary Research in Aquatic Science Driven by Fluid Dynamic Interactions

Poster #208: Rominger, J T; Nepf, H M; INVESTIGATING THE PHYSICAL CONTROLS OF NUTRIENT UPTAKE IN AQUATIC VEGETATION: A NOVEL EXPERIMENTAL METHOD – Presentation Withdrawn

Poster #208: Jones, E L; Smith, R E; Craig, J J; ONE- AND THREE-DIMENSIONAL MODELING OF NUTRIENT-PHYTOPLANKTON-ZOOPLANKTON DYNAMICS IN LAKE ERIE – Poster Number Reassigned

Poster #209: Nishihara, G N; Terada, R; MARINE MACROPHYTE RICHNESS DECREASES ALONG A WAVE EXPOSURE GRADIENT IN THE EAST CHINA SEA – Presentation Withdrawn

S57 Spring-fed Ecosystems as Models for Testing Ecological Theory and Global Change Predictions

Poster #253: Boothroyd, I K; DIVERSITY AND COMMUNITY ORGANIZATION OF GEOTHERMALLY INFLUENCED SPRING-FED ECOSYSTEMS – Presentation Withdrawn

T01A Aquatic Ecosystems-Autotrophs

Poster #261: Kim, D; Aldridge, K T; Brookes, J D; Ganf, G G; THE EFFECT OF SALINITY ON THE GERMINATION OF SEEDS AND TURIONS OF RUPPIA TUBEROSA IN THE COORONG, SOUTH AUSTRALIA – Presentation Withdrawn

T05D Biogeochemistry-Elemental Composition

Poster #313: Nunez-Milland, D R; Twining, B S; SINGLE-CELL MEASUREMENTS OF METAL QUOTAS IN CHARLES RIVER PHYTOPLANKTON USING SYNCHROTRON X-RAY FLUORESCENCE – Presentation Withdrawn

Poster #312: Twining, B S; Nunez-Milland, D; Baines, S B; OBSERVATIONS OF INTRAPOPULATION VARIABILITY IN THE ELEMENTAL QUOTAS OF PHYTOPLANKTON – Presentation Withdrawn

T13 Consumers/Predation

Poster #383: Gemmell, B J; Buskey, E J; FLYING PLANKTON? COPEPODS TAKE TO THE SKY IN EFFORT TO AVOID PREDATORS – Presentation Withdrawn

T15 Environmental Assessment

Poster #393: Sullivan, S P; COMMUNITY COMPOSITION ANALYSIS AND TRACE METALS CONCENTRATIONS IN BENTHIC BIOTA: A PRE-RESTORATION DESCRIPTION OF THE UPPER BLACKFOOT MINING COMPLEX, MONTANA – Presentation Withdrawn

T24 Organic Matter Processing

Poster #416: Fields, L; Nixon, S W; Granger, S; BENTHIC METABOLIC RESPONSES TO LOW OXYGEN CONCENTRATIONS IN COASTAL ECOSYSTEMS – Presentation Withdrawn

T100 Macronutrient Cycling

Poster #357: Heard, A M; Sickman, J O; Cobbs-Russell, A; NUTRIENT-ADDITION EXPERIMENTS TO IDENTIFY NUTRIENT CRITERIA FOR HIGH ELEVATION LAKES OF THE SIERRA NEVADA – Presentation Withdrawn

Poster #360: Hinrichs, A P; Wilkinson, G M; Marty, M J; Dunn, S T; Schmidt, S N; Schade, J D; TEMPORAL SHIFTS AND NUTRIENT LIMITATION IN RESTORED PRAIRIE WETLANDS – Presentation Withdrawn

T101 Invasive Species

Poster #362: Waduawara, S; Welch, C; Moss, A G; SIGNIFICANCE OF WATER DISPLACEMENT BY SEDIMENT-APPOSED *MNEMIOPSIS* (CTENOPHORA: LOBATA) – Presentation Withdrawn

Poster #363: Zurel, D; Benayahu, Y; Gophna, U; INVESTIGATING THE MICROBIOLOGY OF A SUCCESSFUL INVASIVE MARINE OYSTER: GULF OF EILAT VS. THE EASTERN MEDITERRANEAN SEA – Presentation Withdrawn

Friday, 11 June 2010 – Oral Sessions

S07 Ecosystem Modeling From the Center to the Edges: Classic and Novel Approaches for Addressing Increasingly Complex Problems

15:30 Jones, E L; Smith, R E; Craig, J J; ONE- AND THREE-DIMENSIONAL MODELING OF NUTRIENT-PHYTOPLANKTON-ZOOPLANKTON DYNAMICS IN LAKE ERIE – Oral Presentation Switched to Poster

S16 Limnology and Oceanography: Fluids and Environments – Celebrating Interdisciplinary Research in Aquatic Science Driven by Fluid Dynamic Interactions

11:45 Cardenas, M B; Cook, P L; Gerecht, K E; Jiang, H S; Markowski, M S; Nowinski, J D; Sawyer, A H; Swanson, T E; Wilson, J L; FLUID DYNAMIC INTERACTIONS NEAR SEDIMENT-WATER INTERFACES IN AQUATIC AND COASTAL ENVIRONMENTS – Presenting Author Changed

13:45 Luhar, M K; Nepf, H M; SEAGRASS BLADE POSTURE AND MOTION OVER A WAVE CYCLE – Presentation Withdrawn

16:30 Gee, E M; Western, A W; Swearer, S; Williams, J; CAN PASSIVE TRANSPORT EXPLAIN THE DISTRIBUTION OF EGGS AND LARVAE IN A STRONGLY STRATIFIED ESTUARY? – Presentation Withdrawn

S27 Fish and Fisheries in an Ecosystem Context: a Celebration of the Career of J.F. Kitchell

16:30 Davis, J C; Davis, G A; Snyder, E B; THE INFLUENCE OF STREAM CROSSING STRUCTURES ON THE DISTRIBUTION OF REARING JUVENILE PACIFIC SALMON – Presentation Withdrawn

S35 Greenhouse Gas Emissions from Natural Freshwater Systems and Reservoirs

15:30 Chen, H; Peng, C; Wu, N; PRELIMINARY ESTIMATE OF METHANE EMISSIONS FROM SURFACE OF LAKES AND RESERVIORS IN CHINA – Presentation Withdrawn

S56 Multiple Stressors in Aquatic Ecosystems

16:15 Glozier, N E; Donald, D B; McIvor, E; Waiser, M; Cessna, A j; PESTICIDE CONCENTRATIONS IN CANADIAN PRAIRIE WETLANDS: PREVALENT MIXTURES AND ECOLOGICAL EFFECTS – Presentation Withdrawn

T01B Aquatic Ecosystems-Invertebrates

15:30 Golladay, S W; Vedaş, E M; Knothe, G; Blackmore, M; Smith, N; Atkinson, C L; WATER QUALITY AND LARVAL MOSQUITO POPULATIONS IN ISOLATED AGRICULTURAL AND REFERENCE WETLANDS IN THE GULF COASTAL PLAIN, GEORGIA USA – Presenting Author Changed

T06A Carbon Cycling

11:00 Brandes, J A; Paffenhöfer , G; Köster , M; CARBON ISOTOPIC SIGNATURES OF DOLIOLID PELLET DEGRADATION – Presentation Withdrawn

11:15 Fields, D M; Shema, S D; Woll, C I; Gillmore, A; Milligan, A J; DOES THE SILICIFIED WALL OF DIATOMS CONFER PROTECTION AGAINST COPEPOD GRAZING? – Presentation Withdrawn

T18 Landscapes

15:45 Qu, X D; Zhang, Y; Kong, W J; Meng, W; SPATIAL PATTERNS IN SPECIES COMPOSITION, DIVERSITY, AND SPECIES ABUNDANCE DISTRIBUTION OF STREAM MACROINVERTEBRATE COMMUNITIES: RELATIONSHIP WITH LAND USE – Presentation Withdrawn

EMERGING ISSUES WORKSHOP INFORMATION

The goal of the Emerging Issue Workshops is to encourage dialog among scientists who wish to develop emerging, cutting-edge, or controversial issues and/or integrate knowledge and research across communities. ASLO is sponsoring meetings on these issues in connection with special sessions being held during the ASLO NABS summer meeting in Santa Fe.

Emerging Issues Workshop I: Exploring the Formation of a Working Group to Examine the Subterranean Estuary

Date/Time: Sunday, 6 June 2010, 08:00 - 17:00

Location: Hilton Hotel Santa Fe, Mesa Ballroom

In association with Sessions S38 and I08: Recent advances have been made in our ability to detect and quantify the flux of submarine groundwater discharge (SGD) to receiving waters (oceans, estuaries, rivers, and lakes). As a result, investigators are beginning to understand that the associated flux of dissolved constituents (nutrients, trace metals, and contaminants) mobilized and transported by this subsurface flow may even rival those of riverine inputs, raising substantial questions about our understanding of oceanic chemical budgets and residence times. Workshop participants will discuss and explore the possibility of forming a new working group to characterize the subterranean estuary and associated biogeochemical reactions and processes. The ultimate goal of the working group would be to apply multi-disciplinary approaches to evaluate the role of the subterranean estuary in chemical loading to the world's oceans. Persons interested in the workshop should RSVP to Rick Peterson (rpeters2@coastal.edu).

Emerging Issues Workshop II: A Synthesis of the Importance of Allochthonous and Autochthonous Support of Consumers in Aquatic Ecosystems

***NOTE:** Meeting attendees are welcome to sit in on this workshop, but meals only will be provided for the invited participants.*

Date/Time: Sunday, 6 June 2010, 10:00 – 17:00

Location: Santa Fe Convention Center – O’Keeffe Room

Follow-up Session:

Date/Time: Friday, 11 June 2010, 18:00 – 21:00

Location: La Fonda Hotel, Stiha Room

This workshop is organized by Sudeep Chandra, Mike Brett, Martin Kainz, and Mary Power. Participants include Tom Battin, Stuart Bunn, Jon Cole, Michael Delong, Rana El-Sabaawi, Jacques Finlay, Tessa Francis, Stuart Jones, Danny Lau, Jay Lennon, Michael Pace, Milla Rautio, Nicole Richoux, Daniel Schindler, Bill Sobczak, Sami Taipale, Jim Thorp, Wendy Trowbridge, John Wehr and Susan Ziegler. The goals of the workshop are to synthesize what is known and to point out what remains to be learned about the importance of allochthonous subsidies to consumer production in aquatic ecosystems. The workshop will examine the hypothesis that autochthonous carbon disproportionately supports consumer production in aquatic ecosystems even when terrestrial inputs vastly dominate the flux of carbon to the system. The focus will be on primary consumers feeding near the base of riverine, lacustrine, and estuarine food webs.