

SFS Presentation Grid - 2016

Time	302-303	304-305	306	307	308	309-310	311-312	313	314	315
<b>Sunday 10:30</b>	<p><b>Time/Location:</b> [302-303] – 10:30</p> <p><b>Title:</b> CONTEMPORARY THERMAL ADAPTATION OF A PREDATOR EXACERBATES ECOLOGICAL CONSEQUENCES OF CLIMATE WARMING</p> <p><b>Authors:</b> David Fryxell, Eric Palkovacs</p>	<p><b>Time/Location:</b> [304-305] – 10:30</p> <p><b>Title:</b> BEYOND LEVERAGING RESOURCES: CITIZEN SCIENCE OFFERS REAL SCIENCE AND REAL DATA TO ADDRESS AND SOLVE REAL PROBLEMS</p> <p><b>Authors:</b> Erick Burres</p>	<p><b>Time/Location:</b> [306] – 10:30</p> <p><b>Title:</b> PRACTICAL LEVELS OF IDENTIFICATION FOR LARVAE OF <i>BAETIS</i> (EPHEMEROPTERA: BAETIDAE) IN NORTH AMERICA</p> <p><b>Authors:</b> Jeff Webb, Sean Sullivan, Luke Jacobus</p>	<p><b>Time/Location:</b> [307] – 10:30</p> <p><b>Title:</b> RESTORATION OF THE UPPER CLARK FORK RIVER, MT: OPPORTUNITIES FOR SYNERGY</p> <p><b>Authors:</b> H. Maurice Valett, Marc Peipoch Guell, Nicholas Banish, Doug Martin, Beau Downing, Pat Saffel, Brad Liermann, Nathan Cooke</p>	<p><b>Time/Location:</b> [308] – 10:30</p> <p><b>Title:</b> DOES COMPLIANCE WITH THE BRAZILIAN FOREST CODE MITIGATE THE IMPACTS OF SUGARCANE AGRICULTURE AND ITS LEGACY ON INSTREAM NUTRIENT CONCENTRATIONS IN BRAZIL?</p> <p><b>Authors:</b> Maira Bezerra, Solange Filoso, Margaret Palmer</p>	<p><b>Time/Location:</b> [309-310] – 10:30</p> <p><b>Title:</b> FRESHWATER CONSERVATION IN CENTRAL AMERICA AND THE CARIBBEAN</p> <p><b>Authors:</b> Alonso Ramirez</p>	<p><b>Time/Location:</b> [311-312] – 10:30</p> <p><b>Title:</b> CADDISFLY BEHAVIORAL RESPONSES TO DRYING CUES IN TEMPORARY PONDS: IMPLICATIONS FOR EFFECTS OF CLIMATE CHANGE</p> <p><b>Authors:</b> Scott Wissinger, Jessica Lund, Bobbi Peckarsky</p>	<p><b>Time/Location:</b> [313] – 10:30</p> <p><b>Title:</b> WHAT PHYSIOLOGICAL RESEARCH ON ION TRANSPORT SUGGESTS ABOUT THE POTENTIAL TOXICITY OF SULFATE</p> <p><b>Authors:</b> Michael Griffith</p>	<p><b>Time/Location:</b> [314] – 10:30</p> <p><b>Title:</b> EVALUATING COMPENSATORY MITIGATION UNDER THE CLEAN WATER ACT: THE STATE OF THE SCIENCE</p> <p><b>Authors:</b> Joseph Morgan, Palmer Hough</p>	<p><b>Time/Location:</b> [315] – 10:30</p> <p><b>Title:</b> WHEN AND HOW DYNAMIC HYPORHEIC TEMPERATURE MOSAICS INFLUENCE CHANNEL TEMPERATURE REGIMES</p> <p><b>Authors:</b> Katie Fogg, Geoffrey Poole, Scott O'Daniel, Robert Payn, Sam Carlson, Amanda Hyman</p>
<b>Sunday 10:45</b>	<p><b>Time/Location:</b> [302-303] – 10:45</p> <p><b>Title:</b> SOME LIKE IT HOT: INTRASPECIFIC VARIATION IN CONSUMER METABOLISM AND NUTRIENT EXCRETION DRIVEN BY TEMPERATURE</p> <p><b>Authors:</b> Emma Moffett, David Fryxell, Kevin Simon, Eric Palkovacs, Michael Kinnison</p>	<p><b>Time/Location:</b> [304-305] – 10:45</p> <p><b>Title:</b> CONNECTING WITH OUR LOCAL ENVIRONMENT: CITIZEN SCIENCE IN ACTION</p> <p><b>Authors:</b> Joanne Hild</p>	<p><b>Time/Location:</b> [306] – 10:45</p> <p><b>Title:</b> THE ROLE OF TEMPORAL STRUCTURE IN AQUATIC INSECT GENETICS: A CASE STUDY IN POPULATIONS OF <i>BAETIS TRICAUDATUS</i></p> <p><b>Authors:</b> Natalie Stauffer-Olsen, Patrick O'Grady, Vincent Resh</p>	<p><b>Time/Location:</b> [307] – 10:45</p> <p><b>Title:</b> LINKING HABITAT HETEROGENEITY, BIOFILM DIVERSITY, AND ECOSYSTEM METABOLISM IN FLOODPLAIN LANDSCAPES</p> <p><b>Authors:</b> Marc Peipoch Guell, Maury Valett</p>	<p><b>Time/Location:</b> [308] – 10:45</p> <p><b>Title:</b> LINKING AGRICULTURAL CONSERVATION EFFORT TO WATER QUALITY IN THE INDIAN CREEK WATERSHED</p> <p><b>Authors:</b> Ursula Mahl, Jennifer Tank, Steve Powers, Matt Trentman, Erik Maag</p>	<p><b>Time/Location:</b> [309-310] – 10:45</p> <p><b>Title:</b> SOUTH AMERICA: FRESHWATER FISH MEGADIVERSITY AND CONSERVATION MEGACHALLENGES</p> <p><b>Authors:</b> Roberto Reis</p>	<p><b>Time/Location:</b> [311-312] – 10:45</p> <p><b>Title:</b> SPECIES-SPECIFIC FEEDING PATTERNS OF CORIXIDS (HEMIPTERA: CORIXIDAE) AS INDICATED BY STABLE ISOTOPE ANALYSIS</p> <p><b>Authors:</b> Stephen Srayko, Iain Phillips, Tim Jardine, Doug Chivers</p>	<p><b>Time/Location:</b> [313] – 10:45</p> <p><b>Title:</b> ENVIRONMENTAL FACTORS ASSOCIATED WITH BENTHIC COMMUNITY DEGRADATION ALONG A GRADIENT OF CONTAMINATION IN ACID MINE DRAINAGE-EXPOSED LAKES</p> <p><b>Authors:</b> Lee Grapentine</p>	<p><b>Time/Location:</b> [314] – 10:45</p> <p><b>Title:</b> EVALUATING STREAM COMPENSATION PERFORMANCE: OVERCOMING THE DATA DEFICIT THROUGH STANDARDIZED STUDY DESIGN</p> <p><b>Authors:</b> Kenton Sena, Joseph Morgan, Brian Topping</p>	<p><b>Time/Location:</b> [315] – 10:45</p> <p><b>Title:</b> SELECTIN ANNUAL TEMPERATURE SIGNALS FOR INVERSE MODELING OF AQUIFER HYDRAULIC PROPERTIES</p> <p><b>Authors:</b> Byron Amerson, Geoffrey Poole, Scott O'Daniel, Michael Lambert</p>
<b>Sunday 11:00</b>	<p><b>Time/Location:</b> [302-303] – 11:00</p> <p><b>Title:</b> EFFECTS OF DROUGHT ON NON-SEASONAL RAINFOREST STREAMS</p> <p><b>Authors:</b> Alan Covich, Todd Crowl, Omar Perez-Reyes</p>	<p><b>Time/Location:</b> [304-305] – 11:00</p> <p><b>Title:</b> CITIZEN WATER QUALITY MONITORING IN THE EEL RIVER WATERSHED 2012-2015</p> <p><b>Authors:</b> Patrick Higgins</p>	<p><b>Time/Location:</b> [306] – 11:00</p> <p><b>Title:</b> PATTERNS OF MICROBIAL DECOMPOSER DIVERSITY ALONG ALTITUDINAL GRADIENTS IN TROPICAL AND TEMPERATE STREAMS</p> <p><b>Authors:</b> Cristina Salgado, Andrea Encalada, Cláudia Pascoal, Fernanda Cássio, Alexander Flecker, LeRoy Poff, Manuel Graça</p>	<p><b>Time/Location:</b> [307] – 11:00</p> <p><b>Title:</b> HYDROLOGIC TRANSPORT-LIMITATIONS DOMINATE WATERSHED ORGANIC CARBON FLUX ACROSS THE UNITED STATES</p> <p><b>Authors:</b> Jay Zarnetske</p>	<p><b>Time/Location:</b> [308] – 11:00</p> <p><b>Title:</b> DOES PHOSPHORUS FROM AGRICULTURAL TILE DRAINS FUEL ALGAL BLOOMS?</p> <p><b>Authors:</b> Delilah Clement, Alan Steinman</p>	<p><b>Time/Location:</b> [309-310] – 11:00</p> <p><b>Title:</b> FRESHWATER CONSERVATION IN THE NORTHERN ANDES, CHALLENGES AND PERSPECTIVES</p> <p><b>Authors:</b> Blanca Rios-Touma</p>	<p><b>Time/Location:</b> [311-312] – 11:00</p> <p><b>Title:</b> POPULATION STRUCTURE OF BURROWING BOG CRAYFISHES (<i>FALLICAMBARUS</i> SPP.) IN SOUTH ALABAMA, USA</p> <p><b>Authors:</b> Mallary Clay</p>	<p><b>Time/Location:</b> [313] – 11:00</p> <p><b>Title:</b> STREAM BENTHIC AND ALGAL COMMUNITY RESPONSES TO HEAVY METALS: AN EVALUATION OF ENDPOINT SENSITIVITY</p> <p><b>Authors:</b> Christopher Kotalik, William Clements, Pete Cadmus</p>	<p><b>Time/Location:</b> [314] – 11:00</p> <p><b>Title:</b> MITIGATION MISMATCHES: ECOLOGICAL INTERPRETATION OF SOME COMMON ASSUMPTIONS UNDERLYING MITIGATION PROTOCOLS</p> <p><b>Authors:</b> Kelly Hondula, Margaret Palmer</p>	<p><b>Time/Location:</b> [315] – 11:00</p> <p><b>Title:</b> ABIOTIC AND BIOTIC HOMOGENIZATION BY DAMS IN STREAM ECOSYSTEMS</p> <p><b>Authors:</b> Terutaka Mori, Kei Uchida, Yuichi Kayaba</p>
<b>Sunday 11:15</b>	<p><b>Time/Location:</b> [302-303] – 11:15</p> <p><b>Title:</b> EQUATORIAL PRO-GLACIAL LAKES: ARE THEY DIFFERENT FROM THEIR HIGHER LATITUDE HOMOLOGUES?</p> <p><b>Authors:</b> Dean Jacobsen, Kirsten Seestern Christoffersen</p>	<p><b>Time/Location:</b> [304-305] – 11:15</p> <p><b>Title:</b> SCORE THE SHORE: DEVELOPMENT OF A SHORELINE HABITAT ASSESSMENT PROTOCOL FOR A VOLUNTEER LAKE MONITORING PROGRAM</p> <p><b>Authors:</b> Jo A. Latimore, Paul J. Steen</p>	<p><b>Time/Location:</b> [306] – 11:15</p> <p><b>Title:</b> HIGH UNEXPLAINED VARIANCE IN COMMUNITY DATA? SPATIAL AUTOCORRELATION MIGHT BE THE KEY: EVIDENCE FROM MACROINVERTEBRATES IN AGRICULTURAL WETLANDS</p> <p><b>Authors:</b> Ying Kin So</p>	<p><b>Time/Location:</b> [307] – 11:15</p> <p><b>Title:</b> DOES DENSITY-DRIVEN NOCTURNAL WATER COLUMN MIXING DRIVE REDOX OSCILLATIONS IN FLOCCULENT ORGANIC SEDIMENTS?</p> <p><b>Authors:</b> Dustin Kincaid, Stephen Hamilton, Martin Briggs, Jay Zarnetske, Mantha Phanikumar</p>	<p><b>Time/Location:</b> [308] – 11:15</p> <p><b>Title:</b> EXPOSURE OF AQUATIC MACROINVERTEBRATES TO GENETICALLY MODIFIED CORN DEBRIS IN AN AGRICULTURAL STREAM</p> <p><b>Authors:</b> Claire Hirt, William Lamp, Raina Kaji, Alison Post, Galen Dively</p>	<p><b>Time/Location:</b> [309-310] – 11:15</p> <p><b>Title:</b> MANAGEMENT OF FRESHWATER ECOSYSTEMS UNDER FAST ENVIRONMENTAL CHANGE</p> <p><b>Authors:</b> David Angeler, Craig Allen, Hannah Birgé, Brendan McKie, Stina Drakare, Richard Johnson</p>	<p><b>Time/Location:</b> [311-312] – 11:15</p> <p><b>Title:</b> PREVALENCE AND SPATIAL DISTRIBUTION OF WOLBACHIA WITHIN AQUATIC INSECTS OF THE MISSOURI RIVER AND ASSOCIATED DRAINAGES</p> <p><b>Authors:</b> Eric Sazama, Carmelita Shoullis, Scot Ouellette, Jeff Wesner</p>	<p><b>Time/Location:</b> [313] – 11:15</p> <p><b>Title:</b> ARSENIC DYNAMICS AT THE BASE OF AQUATIC FOOD WEBS</p> <p><b>Authors:</b> David Buchwalter, Adeline Lopez</p>	<p><b>Time/Location:</b> [314] – 11:15</p> <p><b>Title:</b> INCORPORATING FLOW/SEDIMENT REGIMES IN RIVER RESTORATION MONITORING</p> <p><b>Authors:</b> Eduardo J. Martin, Michael Doering, Christopher Robinson</p>	<p><b>Time/Location:</b> [315] – 11:15</p> <p><b>Title:</b> RIVERBED FRACTAL TOPOGRAPHY AND HYPORHEIC RESIDENCE TIME DISTRIBUTIONS</p> <p><b>Authors:</b> Antoine Aubeneau</p>
	<p><b>Time/Location:</b> [302-303] – 11:30</p>	<p><b>Time/Location:</b> [304-305] – 11:30</p>	<p><b>Time/Location:</b> [306] – 11:30</p>	<p><b>Time/Location:</b> [307] – 11:30</p>	<p><b>Time/Location:</b> [308] – 11:30</p>	<p><b>Time/Location:</b> [309-310] – 11:30</p>	<p><b>Time/Location:</b> [311-312] – 11:30</p>	<p><b>Time/Location:</b> [313] – 11:30</p>	<p><b>Time/Location:</b> [314] – 11:30</p>	<p><b>Time/Location:</b> [315] – 11:30</p>

<p><b>Sunday 11:30</b></p>	<p><b>Title:</b> THE COMBINED EFFECTS OF CLIMATE CHANGE AND NON-NATIVE SPECIES ON SOUTHERN ROCKY MOUNTAIN CUTTHROAT TROUT</p> <p><b>Authors:</b> James J. Roberts, Kurt D. Fausch, Matthew P. Zeigler, Kevin B. Rogers, Andrew S. Todd, Douglas P. Peterson, Mevin B. Hooten</p>	<p><b>Title:</b> IMPROVING COMMUNITY AWARENESS FOR DETROIT RIVER FISH CONSUMPTION GUIDELINES</p> <p><b>Authors:</b> Ali Shakoor</p>	<p><b>Title:</b> HABITAT CONNECTIVITY AND ORGANISMS' DISPERSAL ABILITY DRIVE THE ASSEMBLY MECHANISMS OF MACROINVERTEBRATE COMMUNITIES IN RIVER NETWORKS</p> <p><b>Authors:</b> Romain Sarremejane, Heikki Mykrä, Timo Muotka, Jukka Aroviita, Nuria Bonada</p>	<p><b>Title:</b> BREAKING AWAY FROM BREAKTHROUGH CURVES - ASSESSING THE HYPORHEIC ZONE IN THREE DIMENSIONS USING GEOPHYSICAL IMAGING</p> <p><b>Authors:</b> Brady Kohler, Robert Hall, Brad Carr</p>	<p><b>Title:</b> THE INTERACTION BETWEEN FLOODPLAIN RESTORATION AND CHANGING LAND COVER ON STREAM METABOLISM IN A MIDWESTERN AGRICULTURAL STREAM</p> <p><b>Authors:</b> Matt Trentman, Jennifer Tank, Brittany Hanrahan, Rob Davis, Kara Prior, Sarah Roley, Todd Royer</p>	<p><b>Title:</b> PLANNING AND ASSESSING RESTORATION USING MULTIPLE INDICATOR MONITORING AND INTEGRATED DATA MANAGEMENT IN THE DELAWARE RIVER BASIN</p> <p><b>Authors:</b> Stefanie Kroll, David Keller, Scott Haag, Richard Horwitz, John Jackson, Alison Minerovic, Frank Acker</p>	<p><b>Title:</b> FRESHWATER PLYCHAETES IN THE DETROIT RIVER OF THE LAURENTIAN GREAT LAKES: ABUNDANCE AND LIFE-HISTORY</p> <p><b>Authors:</b> Don W. Schloesser, Dave M. Malakauskas, Sarah J. Malakauskas</p>	<p><b>Title:</b> BIOFILM ROLE IN AN ARSENIC-POLLUTED RIVER</p> <p><b>Authors:</b> Laura Barral-Fraga, Diego Prieto, María Teresa Barral, Helena Guasch</p>	<p><b>Title:</b> QUANTIFYING THE RESTORATION OF HABITAT COMPLEXITY AND ITS EFFECTS ON MULTIPLE ORGANISM GROUPS AND ECOSYSTEM FUNCTIONING</p> <p><b>Authors:</b> Brendan McKie, André Frainer, Eliza Maher Hasselquist, Lina E. Polvi, Roland Jansson, Christer Nilsson</p>	<p><b>Title:</b> UPSCALING HYDROECOLOGICAL UNDERSTANDING OF GROUNDWATER-FED STREAM SYSTEMS ACROSS DENALI NATIONAL PARK (DNP), INTERIOR ALASKA</p> <p><b>Authors:</b> Fredric Windsor, Michael Grocott, Alexander Milner</p>
<p><b>Sunday 11:45</b></p>	<p><b>Time/Location:</b> [302-303] – 11:45</p> <p><b>Title:</b> PREDICTED CLIMATE DRIVEN CHANGES IN FLOW AFFECT STREAM NUTRIENT DYNAMICS IN HAWAII</p> <p><b>Authors:</b> Therese C. Frauendorf, Richard MacKenzie, Rana El-Sabaawi</p>	<p><b>Time/Location:</b> [304-305] – 11:45</p> <p><b>Title:</b> A UNIQUE ROLE FOR CITIZEN SCIENCE IN ECOLOGICAL RESTORATION</p> <p><b>Authors:</b> Patrick Edwards</p>	<p><b>Time/Location:</b> [306] – 11:45</p> <p><b>Title:</b> DO POOLS IMPEDE STREAM INSECT DRIFT DISPERSAL?</p> <p><b>Authors:</b> Andrew Brooks, Ben Wolfenden, Barbara Downes</p>	<p><b>Time/Location:</b> [307] – 11:45</p> <p><b>Title:</b> CONSEQUENCES OF IRON-PHOSPHORUS LINKAGES IN DAPHNIA</p> <p><b>Authors:</b> Puni Jeyasingh</p>	<p><b>Time/Location:</b> [308] – 11:45</p> <p><b>Title:</b> VEGETATION AND CHANNEL GEOMORPHIC COMPLEXITY IN AGRICULTURAL WATERWAYS: IMPLICATIONS FOR WATER QUALITY</p> <p><b>Authors:</b> Alex Webster, Mary Cadenasso</p>	<p><b>Time/Location:</b> [309-310] – 11:45</p> <p><b>Title:</b> ENVIRONMENTAL AND BIOLOGICAL RESPONSES TO INCREMENTAL DECREASES IN SPRING DISCHARGE: EXAMPLES FROM THE GREAT BASIN AND MOJAVE DESERTS, USA</p> <p><b>Authors:</b> Donald Sada, Rina Schumer, Ryan Morrison, Mark Hausner, Mark Stone</p>	<p><b>Time/Location:</b> [311-312] – 11:45</p> <p><b>Title:</b> FINDING THE SPATIAL CONNECTION BETWEEN PRODUCTIVE LARVAL HABITATS AND ADULT NUISANCE SWARMS OF THE BLACK FLY SIMULIUM JENNINGSI (DIPTERA: SIMULIIDAE)</p> <p><b>Authors:</b> Rebecca Wilson, William Lamp</p>	<p><b>Time/Location:</b> [313] – 11:45</p> <p><b>Title:</b> INFLUENCES OF ARSENIC ON FRESHWATER BIOFILMS, FISH AND THEIR NUTRIENT CYCLING INTERACTIONS</p> <p><b>Authors:</b> Baigal-Amar Tuulaikhuu, Anna M. Romani, Berta Bonet, Laura Barral-Fraga, Kit Magellan, Helena Guasch</p>	<p><b>Time/Location:</b> [314] – 11:45</p> <p><b>Title:</b> RESTORING STREAM PHYSICAL HETEROGENEITY: EFFECTS ON BENTHIC MACROINVERTEBRATES</p> <p><b>Authors:</b> Francesca Pilotto, Lina E. Polvi, Brendan McKie, Christer Nilsson</p>	<p><b>Time/Location:</b> [315] – 11:45</p> <p><b>Title:</b> WATER LEVEL CONTROLS ON SURFACE WATER HEATING AND STREAM-BED TEMPERATURE PATTERNS IN ARTIFICIAL RIVERS</p> <p><b>Authors:</b> Silvia Folegot, Joe Cullin, Jen Drummond, David Hannah, Toralf Keller, Megan Klaar, Marie Kurz, Mark Ledger, Eugènia Martí, Jay Zarnetske, Stefan Krause</p>
<p><b>Sunday 13:30</b></p>	<p><b>Time/Location:</b> [302-303] – 13:30</p> <p><b>Title:</b> EXPERIMENTAL EVIDENCE THAT HEMLOCK DECLINE CHANGES THE ROLE OF DETRITAL SUBSIDIES IN FRESHWATER FOOD WEBS</p> <p><b>Authors:</b> Hamish Greig, Krista Capps, Jacquelyn Gill, Amanda Klemmer, Robert Northington, Thomas Parr</p>	<p><b>Time/Location:</b> [304-305] – 13:30</p> <p><b>Title:</b> ENGAGING FUTURE FRESHWATER SCIENTISTS AT A REGIONAL STATE COLLEGE</p> <p><b>Authors:</b> Matthew Cover, Joe Zermeno</p>	<p><b>Time/Location:</b> [306] – 13:30</p> <p><b>Title:</b> EARLY CAREER OF DR. CLIFF DAHM: THE OREGON YEARS</p> <p><b>Authors:</b> Stan Gregory, Gary Lamberti</p>	<p><b>Time/Location:</b> [307] – 13:30</p> <p><b>Title:</b> USING STATE-SPACE MODELS TO INFER PROCESSES FROM PATTERNS</p> <p><b>Authors:</b> Mark Scheuerell, Eric Ward, Steve Katz, Elizabeth Holmes</p>	<p><b>Time/Location:</b> [308] – 13:30</p> <p><b>Title:</b> CONGRUENCE OF PLECOPTERAN TRANSCRIPTOMES AND SANGER-GENERATED MOLECULAR MARKERS WITH EMPHASIS ON RESOLUTION OF THE PERLOIDEA</p> <p><b>Authors:</b> Brandon Pickett</p>	<p><b>Time/Location:</b> [309-310] – 13:30</p> <p><b>Title:</b> WATER QUALITY IN NEPAL</p> <p><b>Authors:</b> David Penrose</p>	<p><b>Time/Location:</b> [311-312] – 13:30</p> <p><b>Title:</b> SCALING LAWS FOR AQUATIC METABOLISM VS. WATERSHED SIZE</p> <p><b>Authors:</b> Wil Wollheim, Walter Dodds, Matt Whiles, Ken Sheehan, Rob Stewart, Ford Ballantyne, Christina Baker, William Bowden, Kaitlin J. Farrell, Michael Flinn, Keith Gido, Tamara Harms, Ashley Helton, Jeremy Jones, Lauren Koenig, William McDowell, Sam Parker, Amy Rosemond, Janine Ruegg, Chao Song, Matt Trentman, John S. Kominoski</p>	<p><b>Time/Location:</b> [313] – 13:30</p> <p><b>Title:</b> ECOSYSTEM TOXICOLOGY? RECOGNIZING CONTAMINANTS AS AGENTS OF GLOBAL CHANGE AFFECTING ECOSYSTEM PROCESSES</p> <p><b>Authors:</b> Emily Bernhardt, Emma Rosi-Marshall, David Walters</p>	<p><b>Time/Location:</b> [314] – 13:30</p> <p><b>Title:</b> CURRENT AND FUTURE PERSPECTIVES ON THE EVALUATION, DEVELOPMENT AND APPLICATION OF BENTHIC MULTIMETRIC INDICES FOR NEOTROPICAL SAVANNA STREAMS</p> <p><b>Authors:</b> Deborah Silva, Robert Hughes, Alan Herlihy, Marcos Callisto</p>	<p><b>Time/Location:</b> [315] – 13:30</p> <p><b>Title:</b> DRAINING THE TANK TWICE A DAY: WHAT TIDAL FRESHWATERS CAN TELL US ABOUT THE ROLE OF HYDROLOGY IN BENTHIC COMMUNITY STRUCTURE</p> <p><b>Authors:</b> Jack McLachlan, Braden Adams, Erin Nolan, Hamish Greig</p>
<p><b>Sunday 13:45</b></p>	<p><b>Time/Location:</b> [302-303] – 13:45</p> <p><b>Title:</b> EFFECTS OF SHADING ON STREAM WATER TEMPERATURE AND STENOTHERMIC MACROINVERTEBRATES ALONG A EUROPEAN LATITUDINAL CLIMATE GRADIENT</p> <p><b>Authors:</b> Piet F.M. Verdonschot, Ralf C.M. Verdonschot</p>	<p><b>Time/Location:</b> [304-305] – 13:45</p> <p><b>Title:</b> BLOOMING WHERE YOU ARE PLANTED: SCIENCE AND MENTORING AT AN OPEN-ACCESS COLLEGE</p> <p><b>Authors:</b> Elizabeth Sudduth</p>	<p><b>Time/Location:</b> [306] – 13:45</p> <p><b>Title:</b> INTERDISCIPLINARY COLLABORATION AND GOOD SCIENCE ACROSS FRESHWATER ECOSYSTEMS: A CLIFF DAHM LEGACY</p> <p><b>Authors:</b> Nicholas Aumen, Amelia Ward, Milton Ward</p>	<p><b>Time/Location:</b> [307] – 13:45</p> <p><b>Title:</b> AN ARTIFICIAL FLOW REGIME DAMPENS TOP-DOWN EFFECTS IN A RIVERINE FOOD WEB</p> <p><b>Authors:</b> Albert Ruhi, Xiaoli Dong, Courtney Holt, Darold Batzer, John Sabo</p>	<p><b>Time/Location:</b> [308] – 13:45</p> <p><b>Title:</b> ASSESSING THE ECOLOGICAL DIVERSIFICATION OF CADDISFLIES WITH "BIG DATA" PHYLOGENETIC APPROACHES</p> <p><b>Authors:</b> Steffen Pauls, Paul Frandsen, Wolfram Graf, Karl Kjer, Alan Lemmon</p>	<p><b>Time/Location:</b> [309-310] – 13:45</p> <p><b>Title:</b> BUILDING TECHNOLOGICAL CAPACITY TO STRENGTHEN COMMUNITY PARTICIPATION FOR CONSERVATION OF FRESHWATER ECOSYSTEMS IN TROPICAL ASIA</p> <p><b>Authors:</b> Sonali Saha, Amartya Saha, Bashida Massar</p>	<p><b>Time/Location:</b> [311-312] – 13:45</p> <p><b>Title:</b> IMPLICATIONS OF SPATIAL HETEROGENEITY FOR SCALING LOTIC METABOLISM</p> <p><b>Authors:</b> Walter Dodds, Wil Wollheim, Christina Baker, Ford Ballantyne, Breck Bowden, Michelle Evans-White, Kait Farrell, Michael Flinn, Brian Frenette, Garcia Erica, James Guinnip, Tamara Harms, Skyler Hedden, Sophie Higgs, David Hoeninghaus,</p>	<p><b>Time/Location:</b> [313] – 13:45</p> <p><b>Title:</b> CONTAMINANT AND ENERGY FLUXES THROUGH FOOD WEBS AS AN INTERSECTION BETWEEN ECOSYSTEM SCIENCE AND ECOTOXICOLOGY</p> <p><b>Authors:</b> David Walters, Johanna Kraus, Travis Schmidt, Emma Rosi-Marshall</p>	<p><b>Time/Location:</b> [314] – 13:45</p> <p><b>Title:</b> ADVERSE EFFECTS OF URBAN CENTERS ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS OF THE PARO, THIMPHU, AND PUNA TSANG RIVERS IN BHUTAN</p> <p><b>Authors:</b> Bernard Sweeney, Anthony Aufdenkampe, Beth Fisher</p>	<p><b>Time/Location:</b> [315] – 13:45</p> <p><b>Title:</b> BENTHIC RESPONSE TO FLOW ALTERATION IN A NEW MEXICO ARID MOUNTAIN STREAM</p> <p><b>Authors:</b> Chad Wiseman, Brian Marotz, Jarvis Caldwell, Robert Sherrick, David Ward</p>

							Jeremy Jones, Lauren Koenig, John S. Kominoski, Danelle Larson, Richard Lehrter, Robert Mapes, William McDowell, Damien McMaster, Samuel Parker, Brooke Penaluna, Amy Rosemond, Janine Ruegg, Jeffrey Scott, Ken Sheehan, Adam Siders, Chao Song, Margaret Spangler, Ryland Taylor, Matt Trentman, Matt Whiles, Alba Argerich			
<b>Sunday 14:00</b>	<b>Time/Location:</b> [302-303] – 14:00  <b>Title:</b> NEON AQUATIC MACROINVERTEBRATE SAMPLING AT THE CONTINENTAL SCALE  <b>Authors:</b> Stephanie Parker	<b>Time/Location:</b> [304-305] – 14:00  <b>Title:</b> WHAT DOES AN “INCLUSIVE CLASSROOM” LOOK LIKE FOR FUTURE FRESHWATER SCIENTISTS?  <b>Authors:</b> Kate Boersma, Ruth Hoover, Dominik Corral, Adam Siepielski	<b>Time/Location:</b> [306] – 14:00  <b>Title:</b> ADVANCING CAREERS AND INQUIRY THROUGH INTERDISCIPLINARY RESEARCH – CND AND THE UNM HYDROGEOECOLOGY PROGRAM  <b>Authors:</b> H. Maurice Valett	<b>Time/Location:</b> [307] – 14:00  <b>Title:</b> BIOTIC AND ABIOTIC INFLUENCES OF FISH COMMUNITY DYNAMICS IN A U.S. SOUTHEAST RIVER  <b>Authors:</b> Qi Deng, Albert Ruhi, John S. Kominoski, Megan Hagler, John Sabo	<b>Time/Location:</b> [308] – 14:00  <b>Title:</b> AN ASSESSMENT OF POPULATION STRUCTURE AND GENE FLOW IN A WIDESPREAD AQUATIC SALAMANDER UTILIZING NEXT GENERATION SEQUENCING METHODS  <b>Authors:</b> Mason Murphy, Steven Price, David Weisrock	<b>Time/Location:</b> [309-310] – 14:00  <b>Title:</b> BIODIVERSITY ASSESSMENT, ECOSYSTEM SERVICES, AND DRIVERS OF CHANGE: A REVIEW OF THE MACROINVERTEBRATES IN THE SOUTH ASIAN HINDU-KUSH HIMALAYAN FRESHWATER REGION  <b>Authors:</b> Subodh Sharma, Hasko Nesemann	<b>Time/Location:</b> [311-312] – 14:00  <b>Title:</b> ANNUAL METABOLISM OF US STREAMS AND RIVERS  <b>Authors:</b> Jim Heffernan, Alison Appling, Maite Arroita, Emily Bernhardt, Natalie Griffiths, Robert Hall, Jud Harvey, David Lorenz, Jordan Read, Emily Stanley, Edward Stets, Charles Yackulic	<b>Time/Location:</b> [313] – 14:00  <b>Title:</b> CONTAMINANTS AS AGENTS OF ECOLOGICAL CHANGE IN FRESHWATER AND RIPARIAN ECOSYSTEMS  <b>Authors:</b> Travis Schmidt, Holly Rogers, David Walters, Johanna Kraus	<b>Time/Location:</b> [314] – 14:00  <b>Title:</b> SEASON EFFECTS ON A MACROINVERTEBRATE INTEGRITY INDEX (MII) DEVELOPED FOR STREAMS OF PUERTO RICO  <b>Authors:</b> James Kurtenbach	<b>Time/Location:</b> [315] – 14:00  <b>Title:</b> NOVEL HYDROLOGIC REGIMES DISRUPT INSECT LIFE HISTORY STRATEGIES: EFFECTS OF HYDROPEAKING ON INSECT OVIPOSITION  <b>Authors:</b> Scott Miller, Matt Schroer, Jesse Fleri, Theodore Kennedy
<b>Sunday 14:15</b>	<b>Time/Location:</b> [302-303] – 14:15  <b>Title:</b> INVERTEBRATE COMMUNITY COMPOSITION AND DRIVERS OF ASSEMBLAGE DISSIMILARITY BETWEEN RUNOFF AND SPRING-FED RIVERS  <b>Authors:</b> Robert Lusardi, Randy Dahlgren	<b>Time/Location:</b> [304-305] – 14:15  <b>Title:</b> THE INSTARS MENTORING PROGRAM: SUCCESSES, CHALLENGES, AND LESSONS LEARNED OVER 5-YEARS OF BROADENING PARTICIPATION IN FRESHWATER SCIENCE  <b>Authors:</b> Checo Colon-Gaud, Judy Li, Patina Mendez, Tamara Sluss, Marcelo Ardon-Sayao, Krista Capps	<b>Time/Location:</b> [306] – 14:15  <b>Title:</b> MICROBIAL ECOLOGY OF POLLUTION ABATEMENT  <b>Authors:</b> James Markwiese	<b>Time/Location:</b> [307] – 14:15  <b>Title:</b> DROUGHT INTENSIFIES EUTROPHICATION IN THE KLAMATH RIVER: EVIDENCE FROM AN 8 YEARS OF DAILY METABOLISM  <b>Authors:</b> Robert O. Hall, Laurel Genzoli	<b>Time/Location:</b> [308] – 14:15  <b>Title:</b> RIVERSCAPE GENOMICS OF A FRESHWATER INVERTEBRATE  <b>Authors:</b> Matthew Fuller, Martin Doyle	<b>Time/Location:</b> [309-310] – 14:15  <b>Title:</b> FISHERMEN'S WILLINGNESS TO PAY FOR FRESH WATER FISHERIES MANAGEMENT: THE CASE OF LAKE ZEWAY, ETHIOPIA  <b>Authors:</b> Assefa Mitike Janko	<b>Time/Location:</b> [311-312] – 14:15  <b>Title:</b> CONTINUOUS AQUATIC ECOSYSTEM METABOLISM AND SCALING FROM THE SITE TO THE CONTINENT USING THE NATIONAL ECOLOGICAL OBSERVATORY NETWORK  <b>Authors:</b> Jesse Vance, Keli Goodman, Claire Lunch	<b>Time/Location:</b> [313] – 14:15  <b>Title:</b> EFFECT OF POND PERMANENCE ON AQUATIC INSECT-MEDIATED FLUX OF METHYLMERCURY TO TERRESTRIAL ECOSYSTEMS  <b>Authors:</b> Matthew Chumchal, Ray Drenner, Frank Greenhill, James Kennedy, Ashlyn Courville, Charlie Gober, Luke Lossau	<b>Time/Location:</b> [314] – 14:15  <b>Title:</b> DATA QUALITY ASSOCIATED WITH THE MISSISSIPPI-BENTHIC INDEX OF STREAM QUALITY  <b>Authors:</b> James Stribling, Benjamin Jessup, Erik Leppo, Valerie Alley, Alice Dossett	<b>Time/Location:</b> [315] – 14:15  <b>Title:</b> LINKING HYDROLOGY AND A MACROINVERTEBRATE METACOMMUNITY ASSEMBLY IN A REGULATED FLOODPLAIN  <b>Authors:</b> Pierre Chanut, Christopher Robinson, Thibault Datry
<b>Sunday 14:30</b>	<b>Time/Location:</b> [302-303] – 14:30  <b>Title:</b> LAKES IN DRYLANDS: VARIATION IN CHIRONOMID COMMUNITIES IN WESTERN MONGOLIA LAKES  <b>Authors:</b> R. William Bouchard, Barbara Hayford, Leonard Ferrington	<b>Time/Location:</b> [304-305] – 14:30  <b>Title:</b> “GROWING UP” IN SFS: INSTARS PARTICIPATION FROM MENTEES TO MENTORS  <b>Authors:</b> Arial Shogren, Janet Hsiao, Checo Colón-Gaud	<b>Time/Location:</b> [306] – 14:30  <b>Title:</b> APPRECIATING CROSS-DISCIPLINARY TRAINING IN AQUATIC SCIENCES  <b>Authors:</b> Stuart Findlay	<b>Time/Location:</b> [307] – 14:30  <b>Title:</b> EXTREME NON-SEASONAL FLOODING OF STREAMS ACROSS AN ELEVATION GRADIENT – USING VULNERABILITY TRAITS TO UNDERSTAND BENTHIC COMMUNITY RESPONSES TO DISTURBANCE  <b>Authors:</b> N. LeRoy Poff, Erin Larson, Boris Kondratieff, Scott Morton, Rachel Harrington, Kayce Anderson, Chris Funk, Alex Flecker	<b>Time/Location:</b> [308] – 14:30  <b>Title:</b> DEMOGRAPHIC MODEL TESTING REVEALS A HISTORY OF DIVERGENCE WITH GENE FLOW FOR A GLACIALLY-TIED STONEFLY IN A CHANGING POST-PLEISTOCENE LANDSCAPE  <b>Authors:</b> Scott Hotaling, Clint Muhlfeld, J. Joseph Giersch, Omar Ali, Steve Jordan, Michael R. Miller, Gordon Luikart, David Weisrock	<b>Time/Location:</b> [309-310] – 14:30  <b>Title:</b> WHITE STURGEON (ACIPENSER TRANSMONTANUS) LARVAE FEEDING ECOLOGY AND PREY AVAILABILITY IN THE UPPER COLUMBIA RIVER, USA  <b>Authors:</b> Ryan Reihart, Camille McNeely, Andy Miller	<b>Time/Location:</b> [311-312] – 14:30  <b>Title:</b> FOOD WEB PERSPECTIVES FOR LARGE, MOBILE FISHES: THE IMPORTANCE OF MATCHING FOOD RESOURCE AVAILABILITY WITH CONSUMER MOVEMENT  <b>Authors:</b> Eric Scholl, Wyatt Cross, Yuka Tsutsui, Hailey Gelzer, Addie Dutton, Christopher Guy, Colden Baxter, Jay Rotella	<b>Time/Location:</b> [313] – 14:30  <b>Title:</b> EFFECTS OF FISH ON ODONATE-MEDIATED METHYL MERCURY FLUX FROM EXPERIMENTAL PONDS  <b>Authors:</b> Edward Williams, Matthew Chumchal, Ray Drenner, James Kennedy	<b>Time/Location:</b> [314] – 14:30  <b>Title:</b> RECALIBRATION AND TESTING OF THE MISSISSIPPI-BENTHIC INDEX OF STREAM QUALITY  <b>Authors:</b> Benjamin Jessup, James Stribling, Valerie Alley, Erik Leppo	<b>Time/Location:</b> [315] – 14:30  <b>Title:</b> RESTORATION OF LARGE WOOD TO A SALMONID STREAM IN WESTERN WASHINGTON: LOOKING FOR EFFECTS BEYOND PHYSICAL HABITAT STRUCTURE  <b>Authors:</b> Kate Macneale, Andrew Gendaszek, Ray Timm
	<b>Time/Location:</b> [302-303] – 14:45  <b>Title:</b> CONTRASTING		<b>Time/Location:</b> [306] – 14:45  <b>Title:</b> CLIFF DAHM’S		<b>Time/Location:</b> [308] – 14:45  <b>Title:</b> WHOLE	<b>Time/Location:</b> [309-310] – 14:45  <b>Title:</b> SEDIMENT AND	<b>Time/Location:</b> [311-312] – 14:45  <b>Title:</b> HYPORHEIC ZONE	<b>Time/Location:</b> [313] – 14:45  <b>Title:</b> CONTEXT-DEPENDENT	<b>Time/Location:</b> [314] – 14:45  <b>Title:</b> ZOOBENTHIC	<b>Time/Location:</b> [315] – 14:45  <b>Title:</b> EFFECTS OF FOREST

<b>Sunday 14:45</b>	RESPONSES OF MAYFLY GROWTH TO EXPERIMENTAL WARMING ACROSS ELEVATION GRADIENTS IN TEMPERATE AND TROPICAL STREAMS  <b>Authors:</b> Amanda Rugenski, Andrea Landeira-Dabarca, Carla Atkinson, Jake Sousa, Andrea Encalada, Steven Thomas, LeRoy Poff, Alex Flecker		LEADERSHIP INFLUENCE ON THE FRESHWATER SCIENCES INTERDISCIPLINARY DOCTORAL PROGRAM  <b>Authors:</b> Chelsea Crenshaw, Jennifer Follstad Shah, Mary Harner, Dianne McDonnell, Teresa Tibbets, Lydia Zeglin		MITOCHONDRIAL GENOMES TO IDENTIFY GENETIC VARIATION IN A LONG-LIVED SPECIES, THE AUSTRALIAN LUNGFISH  <b>Authors:</b> Jane Hughes, Cameron Bishop, Daniel J. Schmidt	TADPOLES IN STREAMS WITH RUN-OF-RIVER HYDROPOWER PROJECTS  <b>Authors:</b> Danielle Courcelles, Rylee Murray, John Richardson, Wendy Palen, Joshua Malt	HYDRAULIC CONDUCTIVITY AND ITS ROLE ON ECOSYSTEM PROCESSES: A REACH-SCALE APPROACH  <b>Authors:</b> Clara Mendoza-Lera, Thibault Datry	RESPONSES OF AQUATIC COMMUNITIES TO CONTAMINANTS AND OTHER ANTHROPOGENIC STRESSORS  <b>Authors:</b> Brian Wolff, William Clements	INDICATORS OF THE CONDITION OF LAKE ERIE AND THE GREAT LAKES NEARSHORE  <b>Authors:</b> Jan Ciborowski, Katya Kovalenko, Ted Angradi, David Barton, Yakuta Bhagat, Valerie Brady, Meijun Cai, Kenneth Krieger, Michelle Bowman, Sigrid Smith, David Allan, Lucinda Johnson	MESOPHICATION ON STREAMFLOW ACROSS THE EASTERN US  <b>Authors:</b> Peter Caldwell, Andy Hartsell, Chelcy Miniati, Katherine Elliott
<b>Sunday 15:30</b>	<b>Time/Location:</b> [302-303] – 15:30  <b>Title:</b> GEOTHERMALLY-HEATED STREAM ECOSYSTEMS AT AN ALTITUDINAL GRADIENT IN ICELAND  <b>Authors:</b> Jón S. Ólafsson, Benoit Demars, Gisli Mar Gislason, James Hood, Eoin O'Gorman, Ragnhildur Magnúsdóttir	<b>Time/Location:</b> [304-305] – 15:30  <b>Title:</b> WORLDY SCIENCE: DEVELOPING UNDERGRADUATE RESEARCH AND MENTORING ACTIVITIES TO TRAIN DIVERSE GLOBAL SCIENTISTS – A NSF- IRES CASE STUDY  <b>Authors:</b> Romi Burks	<b>Time/Location:</b> [306] – 15:30  <b>Title:</b> EVAPOTRANSPIRATION IN THE MIDDLE RIO GRANDE BOSQUE, IMPLICATIONS FOR MANAGEMENT AND RESTORATION  <b>Authors:</b> Julie Coonrod	<b>Time/Location:</b> [307] – 15:30  <b>Title:</b> FLOW ANOMALIES IN SOUTHEASTERN U.S. RIVERS: QUANTIFYING LOCAL EXTIRPATION PROBABILITIES OF FRESHWATER FAUNA  <b>Authors:</b> John S. Kominoski, Albert Ruhi, Megan Hagler, John Sabo, Tushar Sinha, Sankar Arumugam	<b>Time/Location:</b> [308] – 15:30  <b>Title:</b> DETERMINING LATITUDINAL DIFFERENCES IN EFFECTS OF SPACE FOR TIME SAMPLING TRADEOFFS USING DNA METABARCODING  <b>Authors:</b> Brian Gill, Boris Kondratieff, Andrea Encalada, LeRoy Poff, Chris Funk	<b>Time/Location:</b> [309-310] – 15:30  <b>Title:</b> TROPICAL STREAMS UNDER GLOBAL CHANGE: A CALL FOR MULTIPLE STRESSOR RESEARCH IN TROPICAL STREAMS  <b>Authors:</b> Ricardo Taniwaki, Jeremy Piggott, Silvio Ferraz, Christoph Matthaei	<b>Time/Location:</b> [311-312] – 15:30  <b>Title:</b> QUANTIFYING VARIABILITY IN PEATLAND POREWATER CHEMISTRY IN THE CONTEXT OF A LARGE-SCALE CLIMATE CHANGE EXPERIMENT  <b>Authors:</b> Natalie A. Griffiths, Stephen D. Sebestyen	<b>Time/Location:</b> [313] – 15:30  <b>Title:</b> BIOGEOCHEMISTRY OF NATURAL STRESSORS IN FRESHWATER SEDIMENTS  <b>Authors:</b> Lauren Kinsman-Costello, Jonathan O'Brien, Stephen Hamilton	<b>Time/Location:</b> [314] – 15:30  <b>Title:</b> ESTIMATING AND UNTANGLING THE EFFECTS OF SAMPLING AND TEMPORAL VARIABILITY OF MACROINVERTEBRATE AND FISH BIOLOGIC INDICES FOR STREAMS IN WISCONSIN, USA.  <b>Authors:</b> Michael Shupryt, Jonathan Kult	<b>Time/Location:</b> [315] – 15:30  <b>Title:</b> HYDROLOGIC FILTERING OF FISH LIFE HISTORIES: EFFECTS OF DOWNSCALING ON THE GENERALITY OF PATTERNS IN LOUISIANA FISH COMMUNITIES  <b>Authors:</b> Micah Bennett, Bryan Piazza, David Harlan, James Bergan, Gregory Whitledge, Matt Whiles, Michele Eddy, Jessie Allen
<b>Sunday 15:45</b>	<b>Time/Location:</b> [302-303] – 15:45  <b>Title:</b> COMPLEX DRIVERS OF ECOSYSTEM BIOMASS AND ELEMENT STORAGE ACROSS A NATURAL STREAM TEMPERATURE GRADIENT  <b>Authors:</b> James Junker, Wyatt Cross, Jonathan P. Benstead, James Hood, Alexander Huryn, Gisli Gislason, Daniel Nelson, Jón Ólafson	<b>Time/Location:</b> [304-305] – 15:45  <b>Title:</b> CAL POLY'S SWANTON PACIFIC RANCH: A MODEL FOR INFORMED WATERSHED STEWARDSHIP ON CALIFORNIA'S CENTRAL COAST  <b>Authors:</b> Nick Macias, brian dietterick	<b>Time/Location:</b> [306] – 15:45  <b>Title:</b> THE RIO GRANDE IN NEW MEXICO: MULTIPLE PERSPECTIVES CREATE A GREATER UNDERSTANDING OF THE SYSTEM  <b>Authors:</b> Ayesha Burdett, Corey Krabbenhoft, Thomas Turner	<b>Time/Location:</b> [307] – 15:45  <b>Title:</b> SEASONALITY AND PREDICTABILITY REGULATE TEMPORAL BIODIVERSITY OF STREAM INVERTEBRATES  <b>Authors:</b> Jonathan Tonkin, Nuria Bonada, Michael Bogan, David Lytle	<b>Time/Location:</b> [308] – 15:45  <b>Title:</b> DETECTING SIGNATURES OF LOCAL ADAPTATION IN UPSTREAM AND DOWNSTREAM POPULATIONS OF PARATYA AUSTRALIENSIS  <b>Authors:</b> Sharmeen Rahman, Daniel J. Schmidt, Jane Hughes	<b>Time/Location:</b> [309-310] – 15:45  <b>Title:</b> DON'T BE FOOLED BY SIZE ALONE: GLOBAL TRENDS AND ECOLOGICAL IMPLICATIONS OF SMALL HYDROPOWER PLANTS  <b>Authors:</b> Thiago Couto, Julian Olden	<b>Time/Location:</b> [311-312] – 15:45  <b>Title:</b> SCALING FLUXES OF NITROGEN FIXATION BETWEEN CHAMBERS AND THE STREAM REACH  <b>Authors:</b> Hilary Madinger, Robert Hall	<b>Time/Location:</b> [313] – 15:45  <b>Title:</b> PERIPHYTON PRODUCTIVITY AND METAL UPTAKE IN A MINING IMPACTED RIVER  <b>Authors:</b> Terry Short, Michelle Hornberger	<b>Time/Location:</b> [314] – 15:45  <b>Title:</b> CONCORDANCE IN BIOLOGICAL CONDITION AND BIODIVERSITY BETWEEN DIATOM AND MACROINVERTEBRATE ASSEMBLAGES IN CHINESE ARID-ZONE STREAMS  <b>Authors:</b> Kai Chen, Qiuwen Chen, Beixin Wang, Yangdong Pan, Robert Hughes	<b>Time/Location:</b> [315] – 15:45  <b>Title:</b> LINKING WATER SOURCE SIGNATURES WITH NATIVE AMPHIBIAN BREEDING TIMING IN A NORTHERN SIERRA NEVADA WATERSHED  <b>Authors:</b> Ryan Peek, Helen Dahlke, Sarah Yarnell
<b>Sunday 16:00</b>	<b>Time/Location:</b> [302-303] – 16:00  <b>Title:</b> SYNTHESIZING THE EFFECTS OF EXPERIMENTAL WHOLE-STREAM WARMING ON COMMUNITY AND FOOD WEB STRUCTURE  <b>Authors:</b> Daniel Nelson, Jonathan P. Benstead, Alexander Huryn, Wyatt Cross, James Hood, Philip Johnson, James Junker, Gisli Gislason, Jón Ólafson	<b>Time/Location:</b> [304-305] – 16:00  <b>Title:</b> INCORPORATING UNDERGRADUATES INTO SMALL-SCALE URBAN STREAM RESTORATION RESEARCH: A TALE OF TWO UNIVERSITIES  <b>Authors:</b> Alison O'Dowd, Patina Mendez, Anne Chin, Roger Levanthal	<b>Time/Location:</b> [306] – 16:00  <b>Title:</b> FROM SCIENCE TO POLICY THROUGH TRANSDISCIPLINARY RESEARCH  <b>Authors:</b> Vicenç Acuña	<b>Time/Location:</b> [307] – 16:00  <b>Title:</b> VARIABILITY IN MACROINVERTEBRATE ASSEMBLAGES AMONG PRAIRIE HEADWATER STREAMS OF THE CENTRAL GREAT PLAINS  <b>Authors:</b> Logan Shoup, Matt Whiles, Jessica Fulgoni	<b>Time/Location:</b> [308] – 16:00  <b>Title:</b> UNDERSTANDING THE GENOMIC BASIS OF FRESHWATER ADAPTATION IN MACROBRACHIUM SPECIES  <b>Authors:</b> Md Lifat Rahi, Peter B Mather, David A Hurwood	<b>Time/Location:</b> [309-310] – 16:00  <b>Title:</b> DO WE HAVE THE \$ AND SENSE, ENVIRONMENTAL LITERACY AND ETHICS TO PROTECT OUR NATURAL RESOURCE CAPITAL??? PROBABLY NOT!  <b>Authors:</b> Tom Arsuffi	<b>Time/Location:</b> [311-312] – 16:00  <b>Title:</b> SCALING OF METABOLISM AND NUTRIENT UPTAKE IN A HEADWATER STREAM NETWORK: WHAT DRIVES ECOSYSTEM PROCESSES AT MULTIPLE MEASUREMENT SCALES?  <b>Authors:</b> Kaitlin J. Farrell, Amy D. Rosemond, Ford Ballantyne, Chao Song, John S. Kominoski	<b>Time/Location:</b> [313] – 16:00  <b>Title:</b> ASSESSING THE COMBINED EFFECTS OF METAL CONTAMINATION AND SEDIMENT DEPOSITION ON BENTHIC INVERTEBRATE COLONIZATION  <b>Authors:</b> Brittanie Dabney, Jacob Williamson, James Ranville, William Clements	<b>Time/Location:</b> [314] – 16:00  <b>Title:</b> A COMPARISON OF MACROINVERTEBRATE AND DIATOM METRICS FOR INDICATING WATER-QUALITY CONDITIONS IN CONNECTED DEPRESSION WETLANDS IN THE MISSISSIPPI ALLUVIAL PLAIN  <b>Authors:</b> Billy Justus, David Burge, Jennifer Cobb, Travis Marsico, Jennifer Bouldin	<b>Time/Location:</b> [315] – 16:00  <b>Title:</b> EFFECT OF HYDRODYNAMICS ON MICROBIAL BIOFILM COMMUNITIES REVEALED BY IN-SITU MEASUREMENTS IN MOUNTAINOUS STREAMS  <b>Authors:</b> Ute Risse-Buhl, Christine Anlanger, Katalin Kalla, Thomas R. Neu, Christian Noss, Antonis Chatzinotas, Andreas Lorke, Markus Weitere
	<b>Time/Location:</b> [302-303] – 16:15  <b>Title:</b> LANDSCAPE POSITION DEFINES LAKE WATER LEVEL FLUCTUATIONS IN RESPONSE TO PAST	<b>Time/Location:</b> [304-305] – 16:15  <b>Title:</b> SHORT, ORIGINAL RESEARCH PROJECTS ARE TRANSFORMATIVE EXPERIENCES FOR	<b>Time/Location:</b> [306] – 16:15  <b>Title:</b> THE ECOLOGICAL ROLE OF FLOOD DISTURBANCE IN DESERT STREAMS:	<b>Time/Location:</b> [307] – 16:15  <b>Title:</b> REGIONAL DIFFERENCES IN NUTRIENT CONCENTRATION-	<b>Time/Location:</b> [308] – 16:15  <b>Title:</b> MICROBIAL DIVERSITY IN DESERT STREAMS IS RELATED TO GEOCHEMISTRY AND	<b>Time/Location:</b> [309-310] – 16:15  <b>Title:</b> SAVING FRESHWATER FROM SALTS  <b>Authors:</b>	<b>Time/Location:</b> [311-312] – 16:15  <b>Title:</b> THE EFFECT OF SEDIMENT PARTICLE SIZE ON BENTHIC COMMUNITY	<b>Time/Location:</b> [313] – 16:15  <b>Title:</b> COUPLING GEOCHEMISTRY AND COMMUNITY ECOLOGY: EFFECTS OF NICKEL-	<b>Time/Location:</b> [314] – 16:15  <b>Title:</b> ACCOUNTING FOR BIOTIC VARIABILITY IN URBANIZING STREAMS: THE ROLE OF LOCAL	<b>Time/Location:</b> [315] – 16:15  <b>Title:</b> TEMPORAL AND SPATIAL CHANGES IN MACROINVERTEBRATE ABUNDANCE AND DIVERSITY

<b>Sunday 16:15</b>	CLIMATE IN THE PACIFIC NORTHWEST  <b>Authors:</b> Vincent Ouellet Jobin, Julian Olden	UNDERGRADUATE CO-RESEARCHERS  <b>Authors:</b> Rachel Stubbington	FROM THE SOUTHWEST TO THE ANTARCTIC  <b>Authors:</b> Diane McKnight, Tyler Kohler, Michael Gooseff, Lee Stanish, James Cullis	DISCHARGE RELATIONSHIPS IN AGRICULTURAL STREAMS  <b>Authors:</b> Sarah D'Amario, Henry Wilson, Marguerite Xenopoulos	SURFACE - SUBSURFACE INTERACTION  <b>Authors:</b> Lydia Zeglin, Clifford Dahm, Chelsea Crenshaw, Rich Sheibley, Cristina Vesbach	Miguel Cañedo-Argüelles	RESPIRATION AND PRODUCTIVITY IN HIGH LATITUDE STREAMS  <b>Authors:</b> Samuel Parker, Breck Bowden, Michael Flinn, Joshua Benes, Kyle Arndt, Courtney Giles, Derrick Jent	CONTAMINATED SEDIMENTS ON BENTHIC MACROINVERTEBRATE COMMUNITIES  <b>Authors:</b> Raissa Mendonca, David Costello, Christian Schlekot, Emily Garman, Jennifer Daley, Michelle Hudson, G. Allen Burton	AND LANDSCAPE FACTORS  <b>Authors:</b> Catherine Bentsen, Allison Roy, David Armstrong	IN STREAMS OF VARYING STABILITY IN NORTHEAST GREENLAND  <b>Authors:</b> Catherine Docherty, David Hannah, Alexander Milner
<b>Sunday 16:30</b>	<b>Time/Location:</b> [302-303] – 16:30  <b>Title:</b> IMPACTS OF THE 2014 SEVERE DROUGHT ON MICROCYSTIS BLOOMS IN SAN FRANCISCO ESTUARY  <b>Authors:</b> Peggy Lehman, Tomo Kurobe, Maxwell Mizel, Sarah Lesmeister, Dolores Baxa, Alice Tung, Swee Teh	<b>Time/Location:</b> [304-305] – 16:30  <b>Title:</b> UNDERGRADUATE RESEARCH AND WRITING: USING CAPSTONE CURRICULUM ACROSS DISCIPLINES TO INCREASE STUDENT CONFIDENCE, PERFORMANCE AND LEARNING OUTCOMES  <b>Authors:</b> Patina Mendez, Kurt Spreyer	<b>Time/Location:</b> [306] – 16:30  <b>Title:</b> STEWARDSHIP SCIENCE IN THE SAN FRANCISCO ESTUARY: CLIFF DAHM'S YEARS AS DELTA LEAD SCIENTIST FOR CALIFORNIA  <b>Authors:</b> Mike Chotkowski, Nicholas Aumen	<b>Time/Location:</b> [307] – 16:30  <b>Title:</b> A 7500 YEAR RAINFALL RECONSTRUCTION FOR A DROUGHT-PRONE AUSTRALIAN REGION INDICATES WE HAVEN'T SEEN THE WORST OF IT  <b>Authors:</b> Jon Marshall, Cameron Barr, Julian Greer, John Tibby, Cesca McInerney, Melanie Leng, Andrew Henderson, Glenn McGregor	<b>Time/Location:</b> [308] – 16:30  <b>Title:</b> METAGENOMIC PROFILING OF ZOOPLANKTON COMMUNITY REVEAL THRESHOLD OF AMMONIA IN EUTROPHIC AQUATIC ECOSYSTEM: A CASE STUDY ON TAI LAKE, CHINA  <b>Authors:</b> Xiaowei Zhang	<b>Time/Location:</b> [309-310] – 16:30  <b>Title:</b> CONSERVATION STATUS AND VULNERABILITY OF AQUATIC INSECTS  <b>Authors:</b> Joan Damerow	<b>Time/Location:</b> [311-312] – 16:30  <b>Title:</b> STREAM NETWORK STRUCTURE AND SPATIAL MEASUREMENT SCALES INFLUENCE DISSOLVED ORGANIC CARBON CHARACTERIZATIONS ACROSS A WATERSHED  <b>Authors:</b> Joseph Lee-Cullin, Jay Zarnetske, Sydney Ruhala, Stephen Plont, Evan Wiewiora	<b>Time/Location:</b> [313] – 16:30  <b>Title:</b> CONTAMINANTS IN TIME AND SPACE: MOUNTAINTOP MINING IMPACTS ON STREAM HYDROLOGY, BIOGEOCHEMISTRY AND MACROINVERTEBRATES  <b>Authors:</b> Matthew Ross, Fabian Nippgen, Kristofor Voss, Brian McGlynn, Emily Bernhardt	<b>Time/Location:</b> [314] – 16:30  <b>Title:</b> USING THE CRAYFISH METABOLOME TO ASSESS HUMAN LAND USE ACTIVITIES  <b>Authors:</b> Robert B. Brua, Natalie Izral, Joseph Culp, Adam Yates	<b>Time/Location:</b> [315] – 16:30  <b>Title:</b> MINIMAL EFFECTS OF FLOW PERMANENCY ON BENTHIC INVERTEBRATE COMMUNITY COMPOSITION ALONG THE LONGITUDINAL PROFILE OF A PRAIRIE STREAM  <b>Authors:</b> Daniel M. Baldassarre, Robert B. Brua, Joseph M. Culp, Adam G. Yates
<b>Sunday 16:45</b>	<b>Time/Location:</b> [302-303] – 16:45  <b>Title:</b> BENEATH THE SURFACE: CHANGES IN FULL TEMPERATURE PROFILES OF LAKES WITH WARMING SURFACE WATERS.  <b>Authors:</b> John L. Bailey, Jocelyne Heneberry, Lisa Graham	<b>Time/Location:</b> [304-305] – 16:45  <b>Title:</b> PREPARING FUTURE FRESHWATER SCIENTISTS THROUGH PROFESSIONAL DEVELOPMENT IN SCIENTIFIC TEACHING  <b>Authors:</b> Allison Rober, Kevin Wyatt	<b>Time/Location:</b> [306] – 16:45  <b>Title:</b> COLLABORATIVE LEARNING AND INTERDISCIPLINARY FRESHWATER FOUNDATIONS TO ENHANCE SCIENCE FOR UTAH'S WATER FUTURE  <b>Authors:</b> Michelle Baker	<b>Time/Location:</b> [307] – 16:45  <b>Title:</b> EFFECT OF CONTRASTING EXTREME FLOODING EVENTS ON BIOTIC COMMUNITIES IN GLACIER BAY, ALASKA  <b>Authors:</b> Alexander Milner, Megan Klaar, Jessica Picken, Anne Robertson, Lee Brown	<b>Time/Location:</b> [308] – 16:45  <b>Title:</b> INFLUENCE OF MOSQUITO LARVAE GRAZING ON LEAF-ASSOCIATED MICROBIAL COMMUNITY STRUCTURE  <b>Authors:</b> Beth Norman, Alexander Ruhs, Andrew Van Alst, Edward Walker	<b>Time/Location:</b> [309-310] – 16:45  <b>Title:</b> APOCALYPSE NOW? THE PROSPECTS FOR FRESHWATER BIODIVERSITY IN ANTHROPOCENE ASIA.  <b>Authors:</b> David Dudgeon	<b>Time/Location:</b> [311-312] – 16:45  <b>Title:</b> CARBON TRANSPORT, LOSSES, AND REPLENISHMENT IN A BOREAL RIVER DISCONTINUUM: PROCESSES CONTROLLING LARGE-SCALE PATTERNS  <b>Authors:</b> Erin R. Hotchkiss, Paul A. del Giorgio	<b>Time/Location:</b> [313] – 16:45  <b>Title:</b> STRESSED FRESHWATER SYSTEMS: SSRIS (ANTIDEPRESSANTS) AFFECT STREAM ECOSYSTEM FUNCTION AT ENVIRONMENTALLY-RELEVANT CONCENTRATIONS  <b>Authors:</b> Erinn Richmond, Emma Rosi-Marshall, Ross Thompson, Michael Grace	<b>Time/Location:</b> [314] – 16:45  <b>Title:</b> CAN MASS-ABUNDANCE RELATIONSHIPS DETECT ECOLOGICAL IMPACTS ACROSS A CONTAMINANT GRADIENT?  <b>Authors:</b> Justin Pomeranz, Jon Harding, Helen Warburton	<b>Time/Location:</b> [315] – 16:45  <b>Title:</b> MULTI-SCALE CONTROLS ON SPATIAL VARIABILITY IN RIVER BIOGEOCHEMICAL CYCLING  <b>Authors:</b> Phillip Blaen, Marie Kurz, Julia Knapp, Clara Mendoza-Lera, Joseph Lee-Cullin, Megan Klaar, Jen Drummond, Anna Jaeger, Jay Zarnetske, Joerg Lewandowski, Stefan Krause
<b>Monday 10:30</b>	<b>Time/Location:</b> [302-303] – 10:30  <b>Title:</b> BROWN PATHWAYS IN GREEN SYSTEMS: SOURCE, HABITAT AND NUTRIENT EFFECTS ON ORGANIC MATTER BREAKDOWN IN LOWER MISSISSIPPI RIVER BASIN AGRICULTURAL BAYOUS  <b>Authors:</b> Jason Taylor	<b>Time/Location:</b> [304-305] – 10:30  <b>Title:</b> MOVING GENETIC BIOMONITORING FROM A CONCEPT TO A TOOL  <b>Authors:</b> Erik Pilgrim, Eric Stein	<b>Time/Location:</b> [306] – 10:30  <b>Title:</b> TRAITS-BASED VULNERABILITY ASSESSMENT AND MONITORING UNDER CLIMATE CHANGE  <b>Authors:</b> Britta Bierwagen, Anna Hamilton, Susan Julius, Jen Stamp, Jonathan Witt	<b>Time/Location:</b> [307] – 10:30  <b>Title:</b> ACCOUNTING FOR THE EFFECTS OF COMBINED STRESSORS ON THE BIOLOGICAL STRUCTURE OF MEDITERRANEAN STREAMS  <b>Authors:</b> Sergi Sabater, Vicenç Acuña, Ladislav Mandaric, Jordi-René Mor, Isabel Muñoz, Olatz Pereda, Mira Petrovic, Daniel von Schiller, Arturo Elosegi	<b>Time/Location:</b> [308] – 10:30  <b>Title:</b> TEMPORAL VARIATION IN FLOW ALTERATION OF INTERMITTENT AND PERENNIAL STREAMS IN THE INTERIOR HIGHLANDS  <b>Authors:</b> Daniel Magoulick, Doug Leasure	<b>Time/Location:</b> [309-310] – 10:30  <b>Title:</b> RESPONSE OF PLANT SPECIES TO MODIFICATION IN HYDROLOGICAL FUNCTIONING IN VERNAL POOLS DUE TO PREDICTED CHANGES IN THE CALIFORNIA CLIMATE  <b>Authors:</b> Niall McCarten	<b>Time/Location:</b> [311-312] – 10:30  <b>Title:</b> MECHANISMS OF URBANIZATION IMPACT ON A SENSITIVE LITHOPHILIC SPAWNER, RIVER CHUB (NOCOMIS MICROPOGON)  <b>Authors:</b> Stanley Kemp	<b>Time/Location:</b> [313] – 10:30  <b>Title:</b> DEVELOPING NUMERIC NUTRIENT CRITERIA TO PROTECT LAKES AND RESERVOIRS IN MISSISSIPPI  <b>Authors:</b> Michael Paul, Kim Caviness-Reardon	<b>Time/Location:</b> [314] – 10:30  <b>Title:</b> HEAVY METAL POLLUTION AND PARASITISM AFFECT MAYFLY DRIFT BEHAVIOR AND SUSCEPTIBILITY TO STONEFLY PREDATION  <b>Authors:</b> Jasmine Hamilton, Barbara Peckarsky, Kara Cromwell	<b>Time/Location:</b> [315] – 10:30  <b>Title:</b> MAKING GOOD OR BROKEN PROMISES? TRENDS IN ECOLOGICAL INTEGRITY ASSESSMENT ACROSS THE UNITED STATES  <b>Authors:</b> Lauren Kuehne, Julian Olden, Angela Strecker, Dave Theobald, Josh Lawler
	<b>Time/Location:</b> [302-303] – 10:45  <b>Title:</b> EFFECTS OF THE GRADUAL EXCLUSION OF MACROCONSUMERS AND INVERTEBRATE SHREDDERS ON LEAF DECOMPOSITION	<b>Time/Location:</b> [304-305] – 10:45  <b>Title:</b> ADAPTIVE SAMPLING TO IMPROVE SPECIES DETECTION USING ENVIRONMENTAL DNA  <b>Authors:</b>	<b>Time/Location:</b> [306] – 10:45  <b>Title:</b> A REVIEW AND EVALUATION OF TRAIT-FLOW RELATIONSHIPS IN STREAM ECOSYSTEMS	<b>Time/Location:</b> [307] – 10:45  <b>Title:</b> SUBSIDY-STRESS UNDER MULTIPLE STRESSORS: INTERACTION BETWEEN WATER SCARCITY AND POINT-	<b>Time/Location:</b> [308] – 10:45  <b>Title:</b> CAN STREAM GAGE DATA PREDICT LARGE-SCALE DRYING PATTERNS IN INTERMITTENT RIVER NETWORKS? AN	<b>Time/Location:</b> [309-310] – 10:45  <b>Title:</b> SEASONAL VARIATION OF MACROINVERTEBRATES IN A TEMPORARY WETLAND OF NORTHERN	<b>Time/Location:</b> [311-312] – 10:45  <b>Title:</b> NUTRIENT ENRICHMENT FLIPS NITROGEN:PHOSPHORUS RATIOS OF DIVERSE DETRITAL RESOURCES	<b>Time/Location:</b> [313] – 10:45  <b>Title:</b> THE EFFECT OF TWO MACROPHYTE SPECIES USED FOR RIVER RESTORATION ON THE REDUCTION OF NUTRIENT LOADS. A	<b>Time/Location:</b> [314] – 10:45  <b>Title:</b> HOW DO HOST-PARASITE LIFE HISTORY AND ABIOTIC ENVIRONMENTAL CONTEXT INTERACT TO DETERMINE PARASITE	<b>Time/Location:</b> [315] – 10:45  <b>Title:</b> STREAM AND RIVER CONDITION ACROSS THE BLM'S NATIONAL SYSTEM OF PUBLIC LANDS  <b>Authors:</b>

<b>Monday 10:45</b>	<b>Authors:</b> Pâmela Barbosa, Marcelo Moretti	Caren Goldberg, Katherine Strickler, Alexander Fremier	<b>Authors:</b> Matthew Pyne	SOURCE POLLUTION ON STREAM COMMUNITIES AND ECOSYSTEM FUNCTIONING  <b>Authors:</b> Arturo Elosegui, Vicenç Acuña, Ladislav Mandarić, Isabel Muñoz, Olatz Pereda, Mira Petrovic, Jordi-René Mor, Daniel von Schiller, Sergi Sabater	ANALYSIS USING LONG-TERM WET/DRY MAPPING DATA FROM 3 RIVERS  <b>Authors:</b> Daniel Allen, Katie Costigan, Darin Kopp, Thibault Datry, Bernard Hugueny, Dale Turner, Gita Bodner, Timothy Flood	CALIFORNIA  <b>Authors:</b> Michael Peterson, Kevin Lunde, Ming-Chih Chiu, Vincent Resh	<b>Authors:</b> Amy D. Rosemond, David W.P. Manning, Phillip M. Bumpers, John kominoski, Vlad Gulis, Jonathan P. Benstead, John Maerz	STUDY IN FLOW-THROUGH STREAM MESOCOSMS  <b>Authors:</b> Myrto Nikolakopoulou, Alba Argerich, Susana Bernal, Esperança Gacia, Miquel Ribot, Timothy Vaessen, Eugènia Martí, Albert Sorolla, Francesc Sabater	PREVALENCE?  <b>Authors:</b> Kara Cromwell, Barbara Peckarsky	Jennifer Courtwright, Scott Miller, Steven Paulsen, Anthony Olsen, Philip Kaufmann
<b>Monday 11:00</b>	<b>Time/Location:</b> [302-303] – 11:00  <b>Title:</b> IMPACTS OF TERRESTRIAL LEAF LITTER ON THE SEDIMENTS OF SMALL MAN-MADE PONDS IN CENTRAL VIRGINIA  <b>Authors:</b> Kenneth Fortino, Jennifer Andrews, Vlad Gulis, Julia Marcellus, Kaitlyn Peters, Matthew Waters	<b>Time/Location:</b> [304-305] – 11:00  <b>Title:</b> A TEST OF ENVIRONMENTAL DNA FOR BENTHIC ARTHROPODS USING THE RECIPROCAL INVASIVE RANGES OF THE RUSTY (GREAT LAKES) AND SIGNAL CRAYFISHES (CALIFORNIA, NEVADA)  <b>Authors:</b> Eric Larson, Mark Renshaw, Crysta Gantz, John Umek, Sudeep Chandra, Scott Egan, David Lodge	<b>Time/Location:</b> [306] – 11:00  <b>Title:</b> DETERMINATION OF BENTHIC INVERTEBRATE FLOW TRAITS IN GERMAN RIVERS  <b>Authors:</b> Karan Kakouei, Jens Kiesel, Martin Pusch, Sonja Jähnig	<b>Time/Location:</b> [307] – 11:00  <b>Title:</b> A “COCKTAIL” OF STRESSORS: INDEPENDENT AND JOINT EFFECTS OF ENVIRONMENTAL PERTURBATIONS IN A MIDWESTERN US RIVER  <b>Authors:</b> S. Mazeika P. Sullivan, Adam Kautza, Tagwireyi Paradzayi, Jeremy M. Alberts	<b>Time/Location:</b> [308] – 11:00  <b>Title:</b> PREDICTING FLOW PERMANENCE IN THE URBAN SOUTHWEST  <b>Authors:</b> Abel Porras, Mateo Scoggins	<b>Time/Location:</b> [309-310] – 11:00  <b>Title:</b> HYDROREGIME INTERACTS WITH SPATIAL AND TEMPORAL SUBSIDIES IN CALIFORNIA VERNAL POOLS  <b>Authors:</b> Jamie Kneitel	<b>Time/Location:</b> [311-312] – 11:00  <b>Title:</b> THE EFFECTS OF RIPARIAN DEFORESTATION AND WATER CHEMISTRY ON NUTRIENT UPTAKE RATES IN THE ATLANTIC FOREST OF BRAZIL  <b>Authors:</b> Flavia Tromboni, Steven Thomas, Rafael Feijó de Lima, Timothy Moulton, Eduardo Silva-Júnior, Christine Lourenço-Amorim, Eugenia Zandonà	<b>Time/Location:</b> [313] – 11:00  <b>Title:</b> EFFECTS OF FOREST HARVEST METHODS ON ALGAL BIOFILMS IN HEADWATER STREAMS  <b>Authors:</b> Rebecca Bixby, Sherri Johnson, Linda Ashkenas	<b>Time/Location:</b> [314] – 11:00  <b>Title:</b> THE EFFECT OF PARASITISM ON DRIFT BEHAVIOR AND CONSEQUENCES FOR TROUT PREDATION ON LARVAE OF THE MAYFLY BAETIS BICAUDATUS  <b>Authors:</b> Benjamin Swift, Kara Cromwell, Barbara Peckarsky	<b>Time/Location:</b> [315] – 11:00  <b>Title:</b> REGIONAL REFERENCE CURVES AND ECOLOGICAL ENDPOINTS FOR THE APPALACHIAN PLATEAU OF ALABAMA  <b>Authors:</b> Eric Bauer, Brian Helms, Jack Feminella, David Werneke, Jason Zink, Greg Jennings
<b>Monday 11:15</b>	<b>Time/Location:</b> [302-303] – 11:15  <b>Title:</b> BIOFILM COLONIZATION AND SUBSTRATE INFLUENCE PARTICLE RETENTION IN EXPERIMENTAL STREAMS AT ND-LEEF  <b>Authors:</b> Arial Shogren, Jennifer Tank, Diogo Bolster	<b>Time/Location:</b> [304-305] – 11:15  <b>Title:</b> AN ENVIRONMENTAL DNA BASED METHOD FOR MONITORING SPAWNING ACTIVITY: A CASE STUDY USING THE ENDANGERED MACQUARIA PERCH (MACQUARIA AUSTRALASICA)  <b>Authors:</b> Jonas Bylemans, Elise Furlan, Christopher Hardy, Mark Lintermans, Dianne Gleeson	<b>Time/Location:</b> [306] – 11:15  <b>Title:</b> WHAT CAN TRAITS TELL US THAT TAXONOMY CANNOT? A CASE STUDY OF A DRYING STREAM IN THE AMERICAN SOUTHWEST  <b>Authors:</b> Kate Boersma, Michael Bogan, Laura Dee, Alix Gitelman, Steve Miller, Adam Siepielski, David Lytle	<b>Time/Location:</b> [307] – 11:15  <b>Title:</b> FLOW AND TEMPERATURE AS DRIVERS OF LAKE SUPERIOR TRIBUTARY BIOTA  <b>Authors:</b> Lucinda Johnson, William Herb, Meijun Cai, Kristen Blann, William Bartsch, John Jereczek, Ralph Garono	<b>Time/Location:</b> [308] – 11:15  <b>Title:</b> PATTERNS OF ORGANIC MATTER PROCESSING IN SURFACE AND SUB-SURFACE HABITATS OF GROUNDWATER-INFLUENCED INTERMITTENT STREAMS  <b>Authors:</b> Ryan Burrows, Nick Bond, Mark Kennard	<b>Time/Location:</b> [309-310] – 11:15  <b>Title:</b> RELATING ANOSTRACAN DISTRIBUTION TO PHYSICAL HABITAT CHARACTERISTICS IN NORTH AMERICA (CRUSTACEA: BRANCHIOPODA)  <b>Authors:</b> Christopher Rogers	<b>Time/Location:</b> [311-312] – 11:15  <b>Title:</b> UNDERSTANDING STORM EVENT NITRATE EXPORT IN DIFFERENT LAND USES  <b>Authors:</b> Christopher Cook	<b>Time/Location:</b> [313] – 11:15  <b>Title:</b> FACTORS INFLUENCING INDIVIDUALS’ OUTDOOR RESIDENTIAL WATER USE DECISIONS IN SUBURBAN BOSTON (USA)  <b>Authors:</b> Emily Argo, Allison Roy, Robert Ryan, Anita Milman	<b>Time/Location:</b> [314] – 11:15  <b>Title:</b> BIOTIC INTERACTION ENHANCES SURVIVAL AND FITNESS: INTERSPECIFIC FACILITATION AMONG AQUATIC MACROINVERTEBRATES  <b>Authors:</b> Judith Westveer	<b>Time/Location:</b> [315] – 11:15  <b>Title:</b> ASSESSING PERIPHYTON PHOSPHORUS LIMITATION IN CENTRAL PENNSYLVANIA STREAMS USING PULSE AMPLITUDE MODULATED FLUOROMETRY  <b>Authors:</b> Steven Rier
<b>Monday 11:30</b>	<b>Time/Location:</b> [302-303] – 11:30  <b>Title:</b> MACROINVERTEBRATE DIVERSITY ASSOCIATED WITH PERIPHYTIC ALGAE ON LEAF DEBRIS  <b>Authors:</b> Rebecca Eckert, William Lamp	<b>Time/Location:</b> [304-305] – 11:30  <b>Title:</b> EFFICACY OF ENVIRONMENTAL DNA TO DETECT AND QUANTIFY BROOK TROUT POPULATIONS IN STREAMS OF THE ADIRONDACK MOUNTAINS, NEW YORK, USA  <b>Authors:</b> Barry Baldigo, Lee Ann Sporn, Scott George	<b>Time/Location:</b> [306] – 11:30  <b>Title:</b> RHEOPHILY AND THERMOPHILY AS POWERFUL TRAITS FOR PREDICTING RESPONSES OF AQUATIC MACROINVERTEBRATE ASSEMBLAGES TO DROUGHT AND CLIMATE CHANGE  <b>Authors:</b> Bruce Chessman	<b>Time/Location:</b> [307] – 11:30  <b>Title:</b> HOW DOES ECOSYSTEM STRUCTURE AND FUNCTION RESPOND TO LOW-FLOW CONDITIONS IN AGRICULTURAL STREAMS?  <b>Authors:</b> Tenna Riis, Daniel Graeber, Peter S. Levi, Annette Baattrup-Pedersen, Jes J. Rasmussen, Tinna M. Jensen, Simon L. Rosenhøj, Erika M. Neif	<b>Time/Location:</b> [308] – 11:30  <b>Title:</b> LINK OF STREAM MICROBIAL ACTIVITY WITH SHADING AND SEDIMENT HETEROGENEITY AND ITS SIGNIFICANCE UNDER DROUGHT STRESS  <b>Authors:</b> Sanja Zlatanovic, Katrin Premke, Michael Mutz	<b>Time/Location:</b> [309-310] – 11:30  <b>Title:</b> NUTRIENT FLOWS AND SUBSIDIES ACROSS AQUATIC-TERRESTRIAL BOUNDARIES OF TEMPORARY PONDS VIA AMPHIBIAN MIGRATIONS  <b>Authors:</b> Kelley Fritz, Lucas Kirschman, Matt Whiles	<b>Time/Location:</b> [311-312] – 11:30  <b>Title:</b> BENTHIC INVERTEBRATE DIVERSITY IN AN AGRICULTURALLY STRESSED SYSTEM: A RECIPROCAL TRANSFER EXPERIMENT  <b>Authors:</b> Edward Krynak, Adam Yates	<b>Time/Location:</b> [313] – 11:30  <b>Title:</b> EFFECTS OF A HYDROPEAKING DAM ON DOWNSTREAM MACROINVERTEBRATE COMMUNITIES AND RIVER HEALTH  <b>Authors:</b> Jordan Mihalicz, Tim Jardine, Helen Baulch, Iain Phillips	<b>Time/Location:</b> [314] – 11:30  <b>Title:</b> NICHE DIFFERENTIATION OF TWO CLOSELY RELATED SPECIES: INFLUENCES OF FISH COMMUNITIES AND ABIOTIC ENVIRONMENT  <b>Authors:</b> Anna Belyaeva, John Downing	<b>Time/Location:</b> [315] – 11:30  <b>Title:</b> REQUIRED SAMPLING EFFORT FOR BIOASSESSMENT OF ATLANTIC ESTUARIES IN A CITIZEN MONITORING PROGRAMME  <b>Authors:</b> Trefor Reynoldson, John L. Bailey, Robert Bailey, Monica Boudreau, Kyle Knysh, Simon Courtenay
		<b>Time/Location:</b> [304-305] – 11:45  <b>Title:</b> WHEN SHOULD YOU USE GENETIC	<b>Time/Location:</b> [306] – 11:45  <b>Title:</b> IMPLICATIONS OF GLACIER RETREAT FOR	<b>Time/Location:</b> [307] – 11:45  <b>Title:</b> INTERACTIVE EFFECTS OF TEMPERATURE	<b>Time/Location:</b> [308] – 11:45  <b>Title:</b> STREAM DRYING UNDER CLIMATE	<b>Time/Location:</b> [309-310] – 11:45  <b>Title:</b> COMMUNITY DISASSEMBLY IN	<b>Time/Location:</b> [311-312] – 11:45  <b>Title:</b> WATER CHEMISTRY INFLUENCES ON	<b>Time/Location:</b> [313] – 11:45  <b>Title:</b> OVEREXPLOITATION: THREAT TO FISH	<b>Time/Location:</b> [314] – 11:45  <b>Title:</b> BURROWING BEHAVIOR OF UNIONID MUSSELS	<b>Time/Location:</b> [315] – 11:45  <b>Title:</b> BISON AND CATTLE GRAZING MANAGEMENT, BARE GROUND

<b>Monday 11:45</b>		DETECTION OF A SINGLE SPECIES VERSUS ENVIRONMENTAL DNA METABARCODING IN MANAGEMENT?  <b>Authors:</b> Kristy Deiner, Yiyuan Li, Mark Renshaw, Michael Pfrender, David Lodge, Christopher Jerde	MACROINVERTEBRATE FUNCTIONAL DIVERSITY IN ALPINE RIVERS  <b>Authors:</b> Kieran Khamis, Alexander Milner, Lee Brown, David Hannah	AND NITROGEN SUPPLY ON STREAM BIOFILM STRUCTURE AND FUNCTION  <b>Authors:</b> James Hood, Jonathan P. Benstead, Wyatt Cross, Paula Furey, Luke Ginger, Alexander Huryn, Philip Johnson, Delorianne Sander, Jill Welter, Jón Ólafsson, Gisli Gislason	CHANGE IN THE UPPER COLORADO RIVER BASIN: HOW WILL LOW FLOWS SHAPE FUTURE RIPARIAN VEGETATION?  <b>Authors:</b> Lindsay Reynolds, Patrick Shafroth, N. LeRoy Poff	EPHEMERAL ECOSYSTEMS  <b>Authors:</b> Brian O'Neill	BENTHIC COMMUNITY STRUCTURE IN NORTHERN GREAT PLAINS LOTIC SYSTEMS.  <b>Authors:</b> Iain Phillips, Doug Chivers, John-Mark Davies	DIVERSITY IN INDIAN NORTHEAST  <b>Authors:</b> Bashida Massar	IN CENTRAL TEXAS  <b>Authors:</b> Bianca Hernandez	COVERAGE, AND LINKS TO SUSPENDED SEDIMENT CONCENTRATIONS IN GRASSLAND STREAMS  <b>Authors:</b> Bartosz Grudzinski, Melinda Daniels
<b>Monday 13:30</b>	<b>Time/Location:</b> [302-303] – 13:30  <b>Title:</b> VERMILION RIVER MUSSEL PROJECTS – FROM REINTRODUCTIONS TO DAM REMOVAL  <b>Authors:</b> Jeremy Tiemann, Alison Stodola, Sarah Douglass, Kevin S. Cummings	<b>Time/Location:</b> [304-305] – 13:30  <b>Title:</b> COMPARISON OF ZOOPLANKTON SPECIES IDENTIFICATION USING ENVIRONMENTAL DNA AND MORPHOLOGICAL METHODS FOR APPLICATION IN LAKE MONITORING  <b>Authors:</b> Nicole-Marie Novodvorsky, Lynne Witty, Mehrdad Hajibabaei, John L Bailey	<b>Time/Location:</b> [306] – 13:30  <b>Title:</b> USING TRAITS OF INVERTEBRATES TO QUANTIFY EFFECTS OF STRESSORS  <b>Authors:</b> Ralf Schäfer	<b>Time/Location:</b> [307] – 13:30  <b>Title:</b> ESTIMATING UNIMPAIRED STREAMFLOWS AS A BASELINE FOR ASSESSMENT OF CLIMATE CHANGE AND ANTHROPOGENIC MODIFICATION  <b>Authors:</b> Jason May, Daren Carlisle, David Wolock, Jeanette Howard, Larry Brown	<b>Time/Location:</b> [308] – 13:30  <b>Title:</b> THE EFFECTS OF DROUGHT AND STREAM DRYING ON AQUATIC INVERTEBRATES AT POINT REYES NATIONAL SEASHORE  <b>Authors:</b> Anthony Sanabria, Michael Bogan, Stephanie Carlson	<b>Time/Location:</b> [309-310] – 13:30  <b>Title:</b> METHANE AND METHYLMERCURY PRODUCTION POTENTIALS IN NORTH CAROLINA PIEDMONT STREAM SEDIMENTS  <b>Authors:</b> Peter Blum, Anne Hershey, Martin Tsui, Steven Whalen	<b>Time/Location:</b> [311-312] – 13:30  <b>Title:</b> UNDERSTANDING THE EXTENT OF FOOD WEB ALTERATIONS ON AQUATIC ECOSYSTEM STRUCTURE AND FUNCTION REQUIRES CAREFUL CONSIDERATION OF SCALE  <b>Authors:</b> Janine Rüegg	<b>Time/Location:</b> [313] – 13:30  <b>Title:</b> HYDROATLAS: A GLOBAL DATABASE OF RIVER AND CATCHMENT ATTRIBUTES TO FACILITATE AQUATIC ECOSYSTEM MODELLING AND CONSERVATION PLANNING  <b>Authors:</b> Simon Linke, Bernhard Lehner	<b>Time/Location:</b> [314] – 13:30  <b>Title:</b> SEEING THE FOREST AND THE TREES: EMERGING TOOLS AND PERSPECTIVES FOR MANAGING RIPARIAN FORESTS AND THEIR ECOSYSTEM SERVICES  <b>Authors:</b> Paul Sibley, David Kreutzweiser, Karen Kidd, John Richardson, Alex Yeung, Jordan Musetta-Lambert, Maitane Erdozain	<b>Time/Location:</b> [315] – 13:30  <b>Title:</b> STREAM BIODIVERSITY IS DISPROPORTIONATELY LOST TO URBANIZATION WHEN FLOW PERMANENCE DECLINES: EVIDENCE FROM SOUTHWESTERN NORTH AMERICA  <b>Authors:</b> Ryan S. King, Mateo Scoggins, Abel Porras
<b>Monday 13:45</b>	<b>Time/Location:</b> [302-303] – 13:45  <b>Title:</b> STREAMFLOW AUGMENTATION AS A SHORT-TERM ACTION FOR FRESHWATER MUSSELS CONSERVATION  <b>Authors:</b> Jason Wisniewski, Sandy Abbott, Andrew Gascho Landis	<b>Time/Location:</b> [304-305] – 13:45  <b>Title:</b> BARCODING MICRO-ZOOPLANKTON WITHOUT CULTIVATION BY HIGH-THROUGHPUT PARALLEL SEQUENCING  <b>Authors:</b> Xiaowei Zhang, Jianghua Yang	<b>Time/Location:</b> [306] – 13:45  <b>Title:</b> GLOBAL ANALYSIS OF FRESHWATER FISH VULNERABILITY TO CLIMATE CHANGE  <b>Authors:</b> Lise Comte, Julian Olden	<b>Time/Location:</b> [307] – 13:45  <b>Title:</b> SENSITIVITY OF RIVER FLOWS TO CLIMATE CHANGE IN CALIFORNIA  <b>Authors:</b> Ted Grantham, Daren Carlisle, David Wolock, Greg McCabe, Mike Wiczorek, Jeanette Howard	<b>Time/Location:</b> [308] – 13:45  <b>Title:</b> HYDROLOGIC VARIATION AND AQUATIC MACROINVERTEBRATE COMMUNITIES IN INTERMITTENT STREAMS OF NORTH-CENTRAL OHIO  <b>Authors:</b> Katie Costigan, Charles Goss, Kristin Jaeger, P. Charles Goebel	<b>Time/Location:</b> [309-310] – 13:45  <b>Title:</b> CHARACTERIZING THE PRESENT AND FUTURE EXTENT OF CHLORIDE IMPAIRMENT IN THE MERRIMACK RIVER NEW HAMPSHIRE USA  <b>Authors:</b> Shan Zuidema, Wilfred Wollheim	<b>Time/Location:</b> [311-312] – 13:45  <b>Title:</b> HISTORICAL RECORDS OF FRESHWATER ECOSYSTEMS: USING PROTEIN BARCODING OF ARCHAEOLOGICAL SAMPLES TO PROVIDE TEMPORAL DATA  <b>Authors:</b> Kristine Korzow Richter	<b>Time/Location:</b> [313] – 13:45  <b>Title:</b> GROWING DEMANDS, SHRINKING SUPPLIES? MODELING CALIFORNIA'S LAND-USE AND WATER USE FUTURE  <b>Authors:</b> Tamara Wilson, D. Richard Cameron	<b>Time/Location:</b> [314] – 13:45  <b>Title:</b> SEEING THE FOREST AND THE TREES: EMERGING TOOLS AND PERSPECTIVES FOR MANAGING RIPARIAN FORESTS AND THEIR ECOSYSTEM SERVICES  <b>Authors:</b> Paul Sibley, David Kreutzweiser, Karen Kidd, John Richardson, Alex Yeung, Jordan Musetta-Lambert, Maitane Erdozain	<b>Time/Location:</b> [315] – 13:45  <b>Title:</b> EVALUATING FISH HABITAT COMPENSATION IN THE CANADIAN ARCTIC: STREAM HABITAT ATTRIBUTES AND MACROINVERTEBRATE ASSEMBLAGES  <b>Authors:</b> Andrea Erwin
<b>Monday 14:00</b>	<b>Time/Location:</b> [302-303] – 14:00  <b>Title:</b> IMPACT OF WINTER DRAWDOWNS ON MUSSEL DISTRIBUTIONS IN MASSACHUSETTS (USA) LAKES  <b>Authors:</b> Jason Carmignani, Allison Roy	<b>Time/Location:</b> [304-305] – 14:00  <b>Title:</b> CONTRASTING BIODIVERSITY PATTERNS FROM WATER AND BENTHOS AS SOURCES OF ENVIRONMENTAL DNA SEQUENCES FOR AQUATIC BIOMONITORING  <b>Authors:</b> Shadi Shokralla, Joel Gibson, Ian King, Donald Baird, Mehrdad Hajibabaei	<b>Time/Location:</b> [306] – 14:00  <b>Title:</b> THE USE OF BENTHIC MACROINVERTEBRATE TRAITS TO ASSESS CLIMATE CHANGE RESPONSES AND VULNERABILITIES  <b>Authors:</b> Anna Hamilton, Britta Bierwagen, Jen Stamp, Jonathan Witt, Lei Zheng	<b>Time/Location:</b> [307] – 14:00  <b>Title:</b> TEMPORAL FLOW FLUCTUATION EFFECTS ON MOUNTAIN STREAM ECOSYSTEMS  <b>Authors:</b> Sophie Cauvy-Fraunié	<b>Time/Location:</b> [308] – 14:00  <b>Title:</b> INFLUENCE OF FLOW REGIME, GEOMORPHOLOGY, AND HABITAT ON CRAYFISH ASSEMBLAGES OF THE OZARK HIGHLANDS  <b>Authors:</b> Allyson Yarra, Daniel Magoulick	<b>Time/Location:</b> [309-310] – 14:00  <b>Title:</b> THE GEOCHEMICAL INFLUENCE OF TRACE ELEMENT CONCENTRATIONS FROM MARINE SEDIMENTARY BEDROCK ON FRESHWATER STREAMS IN THE WESTERN TRANSVERSE MOUNTAIN RANGES  <b>Authors:</b> Jose Caprile	<b>Time/Location:</b> [311-312] – 14:00  <b>Title:</b> COMPOUNDING IMPOUNDMENTS: AQUATIC INSECT DISTRIBUTION AND EMERGENCE IN A FRAGMENTED RIVERSCAPE  <b>Authors:</b> Anya Metcalfe, Theodore Kennedy, Jane Marks	<b>Time/Location:</b> [313] – 14:00  <b>Title:</b> CURRENT AND FUTURE EFFECTS OF LAND USE AND CLIMATE CHANGE ON RIVER AND STREAM SALINITY  <b>Authors:</b> John Olson	<b>Time/Location:</b> [314] – 14:00  <b>Title:</b> ALTERNATE TRAJECTORIES OF STAND DEVELOPMENT IN THE RIPARIAN FOREST AFFECT LONG-TERM STREAM LIGHT DYNAMICS, AND ECOSYSTEM FUNCTION IN TEMPERATE HEADWATERS  <b>Authors:</b> Dana Warren	<b>Time/Location:</b> [315] – 14:00  <b>Title:</b> DISENTANGLING THE EFFECTS OF MULTIPLE STRESSORS IN LAKES; SHOULD WE USE LITTORAL BENTHIC INVERTEBRATES?  <b>Authors:</b> Rebeka Šiling
<b>Monday 14:15</b>	<b>Time/Location:</b> [302-303] – 14:15  <b>Title:</b> WESTERN PEARLSHELL MUSSEL (MARGARITIFERA FALCATA) NATIVE MUSSEL RELOCATION STUDY  <b>Authors:</b>	<b>Time/Location:</b> [304-305] – 14:15  <b>Title:</b> SENSITIVITY AND ACCURACY OF HIGH-THROUGHPUT METABARCODING METHODS USED TO DESCRIBE AQUATIC COMMUNITIES FOR EARLY DETECTION OF	<b>Time/Location:</b> [306] – 14:15  <b>Title:</b> ASSESSING THE EFFECTS OF RESTORATION OF INCISED STREAMS ON MACROINVERTEBRATES BASED ON TAXONOMIC- AND TRAIT-BASED INDICATORS	<b>Time/Location:</b> [307] – 14:15  <b>Title:</b> VARIABILITY IN HYDROLOGY, WATER CHEMISTRY, AND SEDIMENT LOADS FOR HEADWATERS OF THE SOUTHERN SIERRA NEVADA	<b>Time/Location:</b> [308] – 14:15  <b>Title:</b> MACROINVERTEBRATE SEEDBANK RESISTANCE AND RESILIENCE IN RESPONSE TO SEVERE SUPRA-SEASONAL DROUGHT  <b>Authors:</b>	<b>Time/Location:</b> [309-310] – 14:15  <b>Title:</b> <i>DIDYMOSPHENIA GEMINATA</i> IN GRAND TETON NATIONAL PARK, WY: DISTRIBUTION, MAT STOICHIOMETRY, AND BIOGEOCHEMISTRY	<b>Time/Location:</b> [311-312] – 14:15  <b>Title:</b> SEASONAL AND SPATIAL DIFFERENCES IN CUTTHROAT (ONCORHYNCHUS CLARKII CLARKII) AND STEELHEAD (O. MYKISS IRIDEUS) TROUT DIET AT HINKLE CREEK, OR.,	<b>Time/Location:</b> [313] – 14:15  <b>Title:</b> GLOBAL ASSESSMENT OF WETLAND DISTRIBUTION, THREATS AND CONSERVATION STATUS  <b>Authors:</b> Vanessa Reis, Virgilio	<b>Time/Location:</b> [314] – 14:15  <b>Title:</b> RESPONSE OF BOREAL CATCHMENTS TO FOREST DISTURBANCE: FROM NUTRIENT MOBILIZATION AT THE SOIL-STREAM INTERFACE TO LANDSCAPE SCALE	<b>Time/Location:</b> [315] – 14:15  <b>Title:</b> INVESTIGATION OF THE INFLUENCE OF NATURALLY ELEVATED TOTAL DISSOLVED SOLIDS CONCENTRATIONS ON FRESHWATER BENTHIC MACROINVERTEBRATE STREAM COMMUNITIES IN THE SOUTHERN CALIFORNIA

	Shana Gross, Erin Miller	INVASIVE FISH SPECIES <b>Authors:</b> Chelsea Hatzenbuhler, Joel Hoffman, John R. Kelly, Julie Lietz, John Martinson, Sara Okum, Greg Peterson, Erik Pilgrim	<b>Authors:</b> Ralf C.M. Verdonshot, Piet F.M. Verdonshot	<b>Authors:</b> Carolyn Hunsaker, Dave Herbst	Rachel Stubbington, Paul J. Wood	<b>Authors:</b> Lisa Kunza, Jaime Haueter, Christopher Schiller, Sarah Spaulding, Emily Stickney	USA. <b>Authors:</b> Judy Li, William Gerth, Richard VanDriesche, Douglas Bateman	Hermoso, Simon Linke	IMPLICATIONS ON WATER QUALITY <b>Authors:</b> Jakob Schelker, Karin Eklöf, Ryan Sponseller, Kevin Bishop, Hjalmar Laudon	REGION. <b>Authors:</b> John Rudolph, Ted Von Bitner, Ruth Kolb
<b>Monday 14:30</b>	<b>Time/Location:</b> [302-303] – 14:30 <b>Title:</b> USING QUALITATIVE SURVEYS TO IDENTIFY AREAS FOR UNIONID CONSERVATION IN SOUTH DAKOTA, USA <b>Authors:</b> Kaylee Faltys, Nels Troelstrup	<b>Time/Location:</b> [304-305] – 14:30 <b>Title:</b> THE TRUTH IS OUT THERE: INTEGRATING DNA-BASED DATA INTO BIOASSESSMENTS IMPROVES OUR UNDERSTANDING OF SPECIES DISTRIBUTIONS AND SPECIES-HABITAT RELATIONSHIPS <b>Authors:</b> Christy Meredith, Joel Hoffman, Anett Trebitz, Greg Peterson, Julie Lietz, Chelsea Hatzenbuhler, Erik Pilgrim, Sara Okum, John Martinson	<b>Time/Location:</b> [306] – 14:30 <b>Title:</b> RARITY CLASSIFICATIONS OF ECTOTHERMIC VERTEBRATES: APPLICATIONS FOR REGIONAL MULTISPECIES VULNERABILITY ASSESSMENTS <b>Authors:</b> Meryl Mims, Deanna Olson, David Pilliod, Jason Dunham	<b>Time/Location:</b> [307] – 14:30 <b>Title:</b> BENTHIC MACROINVERTEBRATE COMMUNITIES IN RIFFLE AND POOL HABITATS IN FORESTED STREAMS OF THE SIERRA NEVADA OF CALIFORNIA DURING DROUGHT <b>Authors:</b> Bruce Medhurst, Dave Herbst, Scott Cooper, Sheila Wiseman, Carolyn Hunsaker	<b>Time/Location:</b> [308] – 14:30 <b>Title:</b> DESICCATION-RESISTANCE AS A PROMOTER FOR INVERTEBRATE COMMUNITY RESILIENCE IN TEMPORARY TROPICAL FRESHWATERS: THE INFLUENCE OF ENVIRONMENTAL HARSHNESS <b>Authors:</b> Thibault Datry, Edgar Goitia, Jose Zubieta, Ross Vander Vorste, Nabor Moya, Thierry Oberdorff	<b>Time/Location:</b> [309-310] – 14:30 <b>Title:</b> BIOGEOCHEMISTRY OF SEABIRD SUBSIDIES IN STREAM ECOSYSTEMS: PATTERNS IN ECOLOGICAL STOICHIOMETRY <b>Authors:</b> Roseanna Gamlen-Greene, Jon Harding, David Hawke	<b>Time/Location:</b> [311-312] – 14:30 <b>Title:</b> HYDROLOGY AND FISH COMPOSITION DRIVES LENTIC FOOD WEB STRUCTURE IN ARCTIC ALASKA <b>Authors:</b> Sarah Laske, Amanda Rosenberger, Mark Wipfli, Christian Zimmerman	<b>Time/Location:</b> [313] – 14:30 <b>Title:</b> ASSESSING SUFFICIENCY OF THERMAL RIVERSCAPES FOR RESILIENT SALMON AND STEELHEAD POPULATIONS <b>Authors:</b> Joe Ebersole, Allen Brookes, Brenda Rashleigh, Jordan Massie, Nathan Schumaker	<b>Time/Location:</b> [314] – 14:30 <b>Title:</b> WILDFIRE IN BOREAL FOREST CATCHMENTS INFLUENCES LEAF LITTER SUBSIDIES AND CONSUMER COMMUNITIES IN STREAMS: IMPLICATIONS FOR RIPARIAN MANAGEMENT STRATEGIES <b>Authors:</b> Jordan Musetta-Lambert, Elisa Muto, Paul Sibley, David Kreutzweiser	<b>Time/Location:</b> [315] – 14:30 <b>Title:</b> COMBINING LOCAL AND REGIONAL DATA TO IMPROVE ENVIRONMENTAL DECISION MAKING <b>Authors:</b> Lester Yuan
<b>Monday 14:45</b>	<b>Time/Location:</b> [302-303] – 14:45 <b>Title:</b> CAN IMPROVED LABORATORY TOXICITY DATA FOR FRESHWATER MUSSELS LEAD TO BETTER PROTECTION OF IMPERILED MUSSEL POPULATIONS? <b>Authors:</b> Candice Bauer, Ning Wang, David Soucek, Sandy Raimondo, Christopher Ingersoll, Edward Hammer		<b>Time/Location:</b> [306] – 14:45 <b>Title:</b> CAN TRAIT COMPOSITIONS OF BENTHIC MACROINVERTEBRATE COMMUNITIES DISTINGUISH BETWEEN TWO ENVIRONMENTAL STRESSORS AND ASSESS STREAM ECOSYSTEM FUNCTION <b>Authors:</b> Jollene Reich, Susan Nichols, Bill Maher, Ben Kefford	<b>Time/Location:</b> [307] – 14:45 <b>Title:</b> OBSERVATIONS OF CHANGING HABITAT AND BENTHIC INVERTEBRATE COMMUNITIES FROM THE SIERRA NEVADA SENTINEL STREAM NETWORK DURING EXTENDED DROUGHT <b>Authors:</b> Dave Herbst, Bruce Medhurst, Ian Bell, Michael Bogan	<b>Time/Location:</b> [308] – 14:45 <b>Title:</b> STORAGE EFFECTS IN INTERMITTENT RIVER ECOLOGY: IMPLICATIONS FOR COEXISTENCE, BIOTIC INTERACTIONS AND COLONIZATION DYNAMICS <b>Authors:</b> Ross Vander Vorste, Thibault Datry		<b>Time/Location:</b> [311-312] – 14:45 <b>Title:</b> RIPARIAN THINNING: EVALUATING THE ECOLOGICAL TRADEOFFS OF TEMPERATURE AND PRODUCTIVITY FOR HEADWATER STREAMS IN REDWOOD ECOSYSTEMS OF NORTHERN CALIFORNIA <b>Authors:</b> David Roon, Jason Dunham, Bret Harvey, Ryan Bellmore, Dede Olson, Gordie Reeves	<b>Time/Location:</b> [313] – 14:45 <b>Title:</b> HOW MANY ARE TOO MANY BARRIERS FOR FRESHWATER FISH? <b>Authors:</b> Mathias Kuemmerlen, Stefan Stoll, Peter Haase	<b>Time/Location:</b> [314] – 14:45 <b>Title:</b> RESPONSE OF AQUATIC INDICATORS OF STREAM INTEGRITY TO DIFFERENT FOREST CONDITIONS RESULTING FROM FORESTRY <b>Authors:</b> Maitane Erdozain, Karen Kidd, David Kreutzweiser, Paul Sibley	<b>Time/Location:</b> [315] – 14:45 <b>Title:</b> SYNTHESIZING EVIDENCE TO ASSESS THE CAUSES OF SMALLMOUTH BASS DECLINES AT THE SUSQUEHANNA AND JUNIATA RIVERS, PENNSYLVANIA, USA <b>Authors:</b> Dustin Shull, Geoffrey Smith, Josh Lookenbill, Susan Norton
<b>Monday 15:30</b>	<b>Time/Location:</b> [302-303] – 15:30 <b>Title:</b> HEALTH ASSESSMENT OF FRESHWATER MUSSELS USING METABOLITE PROFILING <b>Authors:</b> Ieva Roznere, G. Thomas Watters, Marymegan Daly, Barbara Wolfe	<b>Time/Location:</b> [304-305] – 15:30 <b>Title:</b> BIOMONITORING, BUT NOT AS WE KNOW IT. MEETING THE CHALLENGE OF DNA-BASED OBSERVATION IN BIOASSESSMENT. <b>Authors:</b> Donald Baird	<b>Time/Location:</b> [306] – 15:30 <b>Title:</b> SYSTEMATIC REVIEWS AS GOLD STANDARDS IN EVIDENCE SYNTHESIS, AND WHAT WE CAN LEARN FROM THEM <b>Authors:</b> Neal Haddaway	<b>Time/Location:</b> [307] – 15:30 <b>Title:</b> DROUGHT EFFECTS ON VERTEBRATE BIOTA IN HEADWATER STREAMS OF THE CASCADE MOUNTAINS, OR <b>Authors:</b> Matthew Kaylor, Dana Warren	<b>Time/Location:</b> [308] – 15:30 <b>Title:</b> THE BIODIVERSITY AND ECOHYDROLOGY OF INTERMITTENT AND EPHEMERAL RIVERS: INTRODUCING THE IRBAS DATABASE AND AN ANALYTICAL EXAMPLE <b>Authors:</b> Catherine Leigh, Thibault Datry, Working Group of IRBAS	<b>Time/Location:</b> [309-310] – 15:30 <b>Title:</b> GEOMORPHIC INFLUENCES ON AGE OF CARBON SOURCES TO STREAM DIC AND AQUATIC FOOD WEBS <b>Authors:</b> Adrienne Smits, Daniel Schindler, Gordon Holtgrieve	<b>Time/Location:</b> [311-312] – 15:30 <b>Title:</b> EXPLORING RESPONSES TO RIVER RESTORATION WITH DYNAMIC FOOD WEB MODELS <b>Authors:</b> Ryan Bellmore, Joseph Benjamin, Michael Newsom, Jennifer Bountry, Daniel Dombroski	<b>Time/Location:</b> [313] – 15:30 <b>Title:</b> VARIABLE SELECTION WITH RANDOM FOREST: BALANCING STABILITY, PERFORMANCE, AND INTERPRETATION IN ECOLOGICAL AND ENVIRONMENTAL MODELING <b>Authors:</b> Ryan Hill, Eric Fox, Scott Leibowitz, Anthony Olsen, Darren Thornbrugh, Marc Weber	<b>Time/Location:</b> [314] – 15:30 <b>Title:</b> ASSESSING THE LONG-TERM RESPONSE OF HEADWATER STREAM CONDITIONS TO RIPARIAN MANAGEMENT PRACTICES <b>Authors:</b> Alex Yeung, Antoine Lecerf, John Richardson	<b>Time/Location:</b> [315] – 15:30 <b>Title:</b> FACEBOOK FOR FISH: NEW INSIGHT INTO FISH ASSEMBLAGE STRUCTURE AND STABILITY THROUGH SOCIAL NETWORK ANALYSIS <b>Authors:</b> Daniel McGarvey
<b>Monday 15:45</b>		<b>Time/Location:</b> [304-305] – 15:45 <b>Title:</b> GROUND TRUTHING DNA METABARCODING: PRIMERS, BIOMASS AND SPECIMEN SORTING <b>Authors:</b>	<b>Time/Location:</b> [306] – 15:45 <b>Title:</b> CHALLENGES FOR EVIDENCE-BASED ENVIRONMENTAL MANAGEMENT: WHAT IS ACCEPTABLE AND SUFFICIENT EVIDENCE OF CAUSATION?	<b>Time/Location:</b> [307] – 15:45 <b>Title:</b> THE INFLUENCE OF DROUGHT ON FLOW-ECOLOGY RELATIONSHIPS IN OZARK HIGHLAND STREAMS	<b>Time/Location:</b> [308] – 15:45 <b>Title:</b> RISE UP LAZARUS! LIFE HISTORY AND DISTRIBUTION OF AN INTERMITTENT STREAM SPECIALIST (MESOCAPNIA ARIZONENSIS)	<b>Time/Location:</b> [309-310] – 15:45 <b>Title:</b> INTEGRATING CHEMISTRY, MICROBIOLOGY, AND ECOSYSTEM ECOLOGY TO DISCERN THE NATURE AND FATE OF DISSOLVED ORGANIC	<b>Time/Location:</b> [311-312] – 15:45 <b>Title:</b> THE ROLE OF AQUATIC CONSUMERS TO MACROINVERTEBRATES: A FIELD EXPERIMENT IN A PACIFIC NORTHWEST STREAM	<b>Time/Location:</b> [313] – 15:45 <b>Title:</b> INFORMATION THEORY AND THE ASSESSMENT OF HYDROLOGICAL CHANGE IN FRESHWATER ECOSYSTEMS	<b>Time/Location:</b> [314] – 15:45 <b>Title:</b> THE EFFECT OF RIPARIAN DISTURBANCE ON THE HABITAT, SUMMER DIET, AND CONDITION OF AGE-0 BROOK TROUT (SALVELINUS	<b>Time/Location:</b> [315] – 15:45 <b>Title:</b> INFLUENCES OF FISHES ON MACROINVERTEBRATE AND ALGAL COLONIZATION OF PRAIRIE STREAM POOL MESOCOSMS <b>Authors:</b>



		Vasco Elbrecht, Florian Leese	<b>Authors:</b> Susan Nichols, Michael Peat, J Angus Webb	<b>Authors:</b> Dustin Lynch, Doug Leasure, Daniel Magoulick	<b>Authors:</b> Michael Bogan	MATTER IN STREAMS <b>Authors:</b> Juliana D'Andrilli, James Junker, Eric Scholl, Heidi Smith, Christine Foreman	<b>Authors:</b> Brooke Penaluna, Alba Argerich	<b>Authors:</b> Francisco Guerrero, Jeff Hatten, Victor Penaranda	FONTINALIS) IN CENTRAL APPALACHIAN STREAMS <b>Authors:</b> Jered Studinski, Andrew Hafs, Kyle Hartman	Sophia Bonjour, Matt Whiles, Keith Gido
<b>Monday 16:00</b>	<b>Time/Location:</b> [302-303] – 16:00 <b>Title:</b> USING ZOOARCHAEOLOGICAL DATA FOR UNIONID CONSERVATION: A CASE STUDY FOR A CENTRAL TEXAS RIVER <b>Authors:</b> Traci Popejoy, Charles R. Randklev, Steve Wolverson, Lisa Nagaoka	<b>Time/Location:</b> [304-305] – 16:00 <b>Title:</b> TOWARDS STANDARDIZATION OF DNA EXTRACTION FOR NEXT-GENERATION BIOMONITORING WITH DIATOMS <b>Authors:</b> Valentin Vasselon, Isabelle Domaizon, Maria Kahlert, Frédéric Rimet, Agnès Bouchez	<b>Time/Location:</b> [306] – 16:00 <b>Title:</b> USING EVIDENCE REVIEWS TO INFORM WATER POLICY AND PRACTICE DECISION MAKING: EXPERIENCES FROM THE UNITED KINGDOM <b>Authors:</b> Alexandra Collins	<b>Time/Location:</b> [307] – 16:00 <b>Title:</b> RUNNING DRY: DROUGHT INDUCED TRANSCRIPTOME-WIDE GENE EXPRESSION IN THE AQUATIC CADDISFLY LARVAE MICROPTERNA LATERALIS (INSECTA: TRICHOPTERA) <b>Authors:</b> Felicitas Hoppeler, Steffen Pauls	<b>Time/Location:</b> [308] – 16:00 <b>Title:</b> SPATIAL HABITAT DYNAMICS AND POPULATION PERSISTENCE IN INTERMITTENT STREAMS <b>Authors:</b> Nick Bond, Stephen Balcombe, David Crook, Jon Marshall, Jaye Lobegeiger, Norbert Menke	<b>Time/Location:</b> [309-310] – 16:00 <b>Title:</b> USING THE NOVEL RAZ-RRU METRIC TO QUANTIFY THE INFLUENCE OF BIOFILM COLONIZATION AND SUBSTRATE HETEROGENEITY ON STREAM METABOLISM <b>Authors:</b> Brittany Hanrahan, Jennifer Tank, Emma Rosi-Marshall, Ariel Shogren	<b>Time/Location:</b> [311-312] – 16:00 <b>Title:</b> SPATIAL AND TEMPORAL VARIABILITY OF STREAM FUNCTIONAL PROCESSES IN RESPONSE TO AQUATIC CONSUMER MANIPULATIONS <b>Authors:</b> Alba Argerich, Brooke Penaluna	<b>Time/Location:</b> [313] – 16:00 <b>Title:</b> PROGNOSIS, DIAGNOSIS AND TESTING OF HYDROECOLOGICAL INDICATORS IN A LONG-TERM MONITORING OF ALPINE RIVERS <b>Authors:</b> Leopold Füreder, Georg Niedrist, Stefan Schütz	<b>Time/Location:</b> [314] – 16:00 <b>Title:</b> SEDIMENTATION, HABITAT LOSS AND CONNECTIVITY AS DRIVERS OF STREAM COMMUNITIES AND ECOSYSTEM PROCESSES: IMPLICATIONS FOR STREAM RESTORATION <b>Authors:</b> Timo Muotka, Jukka Aroviita, Pauliina Louhi, Heikki Mykrä, Emmi Putkonen, Jarno Turunen	<b>Time/Location:</b> [315] – 16:00 <b>Title:</b> WHAT MAKES A FISH RARE? DRIVERS AND INTERRELATIONSHIPS BETWEEN MULTIPLE FORMS OF RARITY <b>Authors:</b> Xingli Giam, Julian Olden
<b>Monday 16:15</b>	<b>Time/Location:</b> [302-303] – 16:15 <b>Title:</b> EVALUATION OF ENVIRONMENTAL DNA TO CHARACTERIZE THE PRESENCE OF FRESHWATER MUSSELS IN THE SACRAMENTO-SAN JOAQUIN DELTA <b>Authors:</b> Ellen Preece	<b>Time/Location:</b> [304-305] – 16:15 <b>Title:</b> METABARCODING AND HIGH-THROUGHPUT SEQUENCING FOR ASSESSING RIVER ECOLOGICAL QUALITY WITH DIATOM INDICES AT THE SCALE OF A REGULAR MONITORING NETWORK. <b>Authors:</b> Agnès Bouchez, Cecile Chardon, François Keck, Frédéric Rimet, Kalman Tapolczai, Valentin Vasselon	<b>Time/Location:</b> [306] – 16:15 <b>Title:</b> APPLYING SCIENCE SYNTHESIS TO NATIONAL ENVIRONMENTAL POLICY NEEDS: A BOUNDARY WORK PERSPECTIVE <b>Authors:</b> Laurie Alexander, Caroline Ridley	<b>Time/Location:</b> [307] – 16:15 <b>Title:</b> TROUT REVERSE THE EFFECT OF WATER TEMPERATURE ON THE FORAGING OF A MAYFLY <b>Authors:</b> Bruce Hammock	<b>Time/Location:</b> [308] – 16:15 <b>Title:</b> FISH LIFE-HISTORY STRATEGIES DEFINE META-POPULATION DYNAMICS IN A DRYLAND STREAM <b>Authors:</b> Jane Fencl, Julian Olden	<b>Time/Location:</b> [309-310] – 16:15 <b>Title:</b> USING PATTERNS OF ECOSYSTEM METABOLISM TO UNDERSTAND A CHANGING, MESOTROPHIC LAKE <b>Authors:</b> Denise Bruesewitz, Charles MaCaulay, Anne Schechner, Whitney King	<b>Time/Location:</b> [311-312] – 16:15 <b>Title:</b> FIRE, FOOD AND FISH: FOOD-WEB RESPONSES TO WILDFIRE AT MULTIPLE SCALES IN TIME AND SPACE <b>Authors:</b> Matthew Schenk, Colden Baxter, G. Wayne Minshall, Mirjam Schärer	<b>Time/Location:</b> [313] – 16:15 <b>Title:</b> COMBINING POINT OCCURRENCES AND EXPERT RANGE INFORMATION TO MODEL FINE-GRAIN DIVERSITY PATTERNS OF THE NORTH AMERICAN FRESHWATER FISH FAUNA <b>Authors:</b> Sami Domisch, Walter Jetz	<b>Time/Location:</b> [314] – 16:15 <b>Title:</b> THE INFLUENCE OF FOREST MANAGEMENT AND NATURAL DISTURBANCE ON LOTIC FOOD WEBS <b>Authors:</b> Peter Kiffney, John Richardson, Adam Goodwin, Adam Wei	<b>Time/Location:</b> [315] – 16:15 <b>Title:</b> DISTURBANCE MODIFIES THE IMPORTANCE OF DETERMINISTIC AND STOCHASTIC ASSEMBLY MECHANISMS IN STREAM MACROINVERTEBRATE COMMUNITIES <b>Authors:</b> Stephen A. Sefick, Nina N. Noreika, Jack W. Feminella
<b>Monday 16:30</b>	<b>Time/Location:</b> [302-303] – 16:30 <b>Title:</b> VALIDATION OF ENVIRONMENTAL DNA FOR DETERMINING PRESENCE OF UNIONID MUSSELS IN A RIVER ENVIRONMENT <b>Authors:</b> Dave Thomas	<b>Time/Location:</b> [304-305] – 16:30 <b>Title:</b> COMPARING METAGENOMIC AND MORPHOLOGICAL PERIPHYTON ASSEMBLAGE DATA TO MAJOR ENVIRONMENTAL GRADIENTS <b>Authors:</b> Richard Mitchell, Lester Yuan, Amina Pollard, Erik Pilgrim	<b>Time/Location:</b> [306] – 16:30 <b>Title:</b> WHAT EVIDENCE DO WE HAVE TO IDENTIFY ECOLOGICAL INDICATORS THAT DIRECTLY MATTER TO PEOPLE? <b>Authors:</b> Paul Ringold, Matt Weber, Kim Hall, Kirsten Winters	<b>Time/Location:</b> [307] – 16:30 <b>Title:</b> CLIMATE CHANGE COULD INCREASE MAYFLY LIFE-HISTORY MISMATCH BETWEEN RUNOFF- AND GROUNDWATER-DOMINATED ALPINE STREAMS. <b>Authors:</b> Debra Finn, Henrietta Hampel, Raúl Vázquez, Andrea Encalada	<b>Time/Location:</b> [308] – 16:30 <b>Title:</b> TO WHAT EXTENT INVERTEBRATE BIODIVERSITY OF INTERMITTENT STREAMS IN MEDITERRANEAN-CLIMATE REGION IS THREATENED BY CLIMATE CHANGE? <b>Authors:</b> Avital Gasith	<b>Time/Location:</b> [309-310] – 16:30 <b>Title:</b> SUMMER STORMS CAUSED LOWER-THAN EXPECTED GROSS PRIMARY PRODUCTION ON THE KLAMATH RIVER DURING THE 2015 DROUGHT YEAR <b>Authors:</b> Laurel Genzoli, Robert Hall	<b>Time/Location:</b> [311-312] – 16:30 <b>Title:</b> CLIMATE CHANGE, WILDFIRE AND A MESSAGE OF RESILIENCE FROM THE “RIVER OF NO RETURN” <b>Authors:</b> Colden Baxter	<b>Time/Location:</b> [313] – 16:30 <b>Title:</b> EVIDENCE FOR NEGATIVE EFFECTS OF DROUGHT ON BAETIS SP. (SMALL MINNOW MAYFLY) ABUNDANCE IN A SOUTHERN CALIFORNIA STREAM <b>Authors:</b> Elizabeth Montgomery	<b>Time/Location:</b> [314] – 16:30 <b>Title:</b> PHYSIOLOGICAL RESPONSES OF FRESHWATER CONSUMERS TO VARIATIONS OF THE DURATION AND INTENSITY OF THE STOICHIOMETRIC IMBALANCE WITH THE RESOURCE <b>Authors:</b> Aitor Larrañaga, Libe Solagaistua, Arturo Elosegi	<b>Time/Location:</b> [315] – 16:30 <b>Title:</b> COMMUNITY TRAITS DEVIATE IN RESPONSE TO A DISTURBANCE AT DIFFERENT LOCATIONS WITHIN A STREAM NETWORK. <b>Authors:</b> Bryan Brown, Brett Tornwall
<b>Monday 16:45</b>	<b>Time/Location:</b> [302-303] – 16:45 <b>Title:</b> THE FRESHWATER MUSSELS (BIVALVIA: UNIONOIDA) OF SOUTH AMERICA AND THEIR CONSERVATION STATUS <b>Authors:</b> Kevin S. Cummings, Daniel L. Graf	<b>Time/Location:</b> [304-305] – 16:45 <b>Title:</b> A COI LIBRARY FOR NORTH AMERICAN FRESHWATER INVERTEBRATE GENERA: PROGRESS, PITFALLS AND PROSPECTS <b>Authors:</b> Colin Curry, Joel Gibson, Shadi Shokralla, Mehrdad	<b>Time/Location:</b> [306] – 16:45 <b>Title:</b> MOVING FROM PUBLISHED RESEARCH RESULTS TO POLICY DECISIONS WITH THE HELP OF CONCEPTUAL MODEL DIAGRAMS <b>Authors:</b> Kate Schofield, Micah Bennett	<b>Time/Location:</b> [307] – 16:45 <b>Title:</b> EXPERIMENTAL DROUGHT IN EASTERN SIERRA NEVADA STREAMS <b>Authors:</b> Parsa Saffarinia, Dave Herbst, Bruce Medhurst, Kurt Anderson		<b>Time/Location:</b> [309-310] – 16:45 <b>Title:</b> BALANCING ACCURACY AND COMPUTATION TIME IN STREAM METABOLISM MODELING <b>Authors:</b> Alison Appling, Robert Hall, Charles Yackulic, Maite Arroita			<b>Time/Location:</b> [314] – 16:45 <b>Title:</b> ISOTOPIC VARIATION OF BASAL RESOURCES AND DEGRADATION OF STREAM ECOSYSTEMS THROUGH LAND-USE INTENSIFICATION <b>Authors:</b> Liliana Garcia, Wyatt Cross, Isabel Pardo, John Richardson	<b>Time/Location:</b> [315] – 16:45 <b>Title:</b> BIODIVERSITY AND ECOSYSTEM FUNCTIONS – CAN TADPOLES TELL US ANYTHING ABOUT THEIR RELATIONSHIP? <b>Authors:</b> Nicole T.K. Kit, David Dudgeon, Nancy E. Karraker

		Hajibabaei, Donald Baird								
<b>Tuesday 10:30</b>	<b>Time/Location:</b> [302-303] – 10:30  <b>Title:</b> USE OF GAME CAMERAS TO MONITOR FLOW IN SMALL, HIGH-GRADIENT STREAMS IN THE WHITE MOUNTAINS NATIONAL FOREST, MAINE AND NEW HAMPSHIRE, U.S.A.  <b>Authors:</b> Brian Shelley	<b>Time/Location:</b> [304-305] – 10:30  <b>Title:</b> WWF-CANADA WATERSHED REPORTS: CREATING A NATIONAL ASSESSMENT OF THE HEALTH OF AND THREATS TO CANADA'S RIVERS  <b>Authors:</b> Eric Mysak, Catherine Paquette	<b>Time/Location:</b> [306] – 10:30  <b>Title:</b> TAXONOMIC (IN)CONSISTENCY IN ALGAL BIOASSESSMENT DATA: AN ANALYST'S PERSPECTIVE, AND RESULTS FROM A STATEWIDE STUDY OF NUTRIENT EFFECTS ON DIATOM COMMUNITIES  <b>Authors:</b> Gina LaLiberte, Matthew Diebel	<b>Time/Location:</b> [307] – 10:30  <b>Title:</b> NUTRIENTS VERSUS EMERGING CONTAMINANTS - OR A DYNAMIC MATCH BETWEEN SUBSIDY AND STRESS EFFECTS ON STREAM BIOFILMS  <b>Authors:</b> Ibon Aristi, Maria Casellas, Arturo Elosegi, Sara Insa, Mira Petrovic, Sergi Sabater, Vicenç Acuña	<b>Time/Location:</b> [308] – 10:30  <b>Title:</b> DAMMED AND ADRIFT: PATTERNS OF INVERTEBRATE DRIFT THROUGHOUT COLORADO RIVER BASIN TAILWATERS  <b>Authors:</b> Jeffrey Muehlbauer, Theodore Kennedy	<b>Time/Location:</b> [309-310] – 10:30  <b>Title:</b> RAPID TURNOVER OF METHANOGENIC METHANE INFLUENCES CARBON SUPPLY AND INVERTEBRATE BIOMASS IN AN EXPANSIVE FLOODPLAIN AQUIFER  <b>Authors:</b> Amanda G DelVecchia, Jack A Stanford, Brian L Reid, Jon Graham, Bonnie Ellis	<b>Time/Location:</b> [311-312] – 10:30  <b>Title:</b> JUST A MATTER OF TIME? MODELING THE RAPID SPREAD OF INVASIVE CRAYFISH IN THE COLUMBIA RIVER  <b>Authors:</b> Mathis L. Messenger, Julian Olden	<b>Time/Location:</b> [313] – 10:30  <b>Title:</b> TESTING AND DEVELOPING TOOLS FOR WEED MACROPHYTE CONTROL IN NEW ZEALAND AGRICULTURAL WATERWAYS  <b>Authors:</b> Katie Collins, Catherine Febria, Angus McIntosh, Jon Harding	<b>Time/Location:</b> [314] – 10:30  <b>Title:</b> THE INFLUENCE OF CARBON QUALITY ON NITROGEN REMOVAL ALONG SUBSURFACE FLOWPATHS RECEIVING INPUTS FROM WASTEWATER TREATMENT PLANT EFFLUENTS  <b>Authors:</b> Eugènia Martí, Miquel Ribot, Timothy Vaessen, Myrto Nikolakopoulou, Paul Romeijn, Tanja Brandt, Esperança Gacia, Albert Sorolla, Susana Bernal, Alba Argerich, Francesc Sabater	<b>Time/Location:</b> [315] – 10:30  <b>Title:</b> INTEGRATING PERENNIAL AND INTERMITTENT RIVERS INTO REGIONAL AMBIENT ASSESSMENTS IN DRY CLIMATES: CASE STUDIES FROM SOUTHERN CALIFORNIA  <b>Authors:</b> Raphael D. Mazor, Stacey Ostermann-Kelm, Scott Johnson, Chad Loflen, A. Elizabeth Fetscher, Heather Boyd, Patricia Pendleton, Regan Maas, Danielle Bram, Eric Stein
<b>Tuesday 10:45</b>	<b>Time/Location:</b> [302-303] – 10:45  <b>Title:</b> EFFECTS OF DROUGHT AND DELUGE ON WATERBODIES IN LEON COUNTY FLORIDA  <b>Authors:</b> Johnny Richardson	<b>Time/Location:</b> [304-305] – 10:45  <b>Title:</b> PATTERNS IN BENTHIC INVERTEBRATE COMMUNITIES IN REFERENCE AREAS IN RIVERS WITHIN THE OIL SANDS DEVELOPMENT REGION OF NORTHERN ALBERTA, CANADA.  <b>Authors:</b> Nancy Glozier, Allison Ritcey	<b>Time/Location:</b> [306] – 10:45  <b>Title:</b> USING PERIPHYTON COMMUNITIES TO INDICATE NUTRIENT LEVELS IN PACIFIC NORTHWEST STREAMS  <b>Authors:</b> Daniel Sobota, Shannon Hubler, Michael Paul, Rochelle Labiosa	<b>Time/Location:</b> [307] – 10:45  <b>Title:</b> HOW DO THE STIMULATORY EFFECTS OF NUTRIENTS AND INHIBITORY EFFECTS OF PHARMACEUTICALS ADD UP?  <b>Authors:</b> Elizabeth Ogata, Donald Long, Michelle Baker, Zachary Aanderud, Emma Rosi-Marshall, Susan Durham	<b>Time/Location:</b> [308] – 10:45  <b>Title:</b> HOW FISH PREDATORS AFFECT PARASITE INFECTION WITHIN LARVAL ODONATES: TESTING THE ROLES OF HOST DENSITY, SPECIES IDENTITY, AND TRANSMISSION SUCCESS  <b>Authors:</b> Travis McDevitt-Galles, Pieter Johnson	<b>Time/Location:</b> [309-310] – 10:45  <b>Title:</b> CARBON AND NITROGEN FLUXES FROM ISOTOPICALLY-ENRICHED LEAF LITTER TO AQUATIC INSECT COMMUNITIES REVEAL DIFFERENCES IN LITTER QUALITY  <b>Authors:</b> Adam Siders, Zacchaeus Compson, Jane Marks	<b>Time/Location:</b> [311-312] – 10:45  <b>Title:</b> IMPACT OF AN INVASIVE CRAYFISH, PROCAMBARUS CLARKII, ON BENTHIC COMMUNITY STRUCTURE IN SOUTHERN CALIFORNIA DEPRESSIONAL WETLANDS  <b>Authors:</b> Matthew Schliebe, Dessie Underwood	<b>Time/Location:</b> [313] – 10:45  <b>Title:</b> RESTORATION SCALE AND STREAM BENEFITS IN CALIFORNIA RANGELANDS  <b>Authors:</b> Bronwen Stanford, Erika Zavaleta	<b>Time/Location:</b> [314] – 10:45  <b>Title:</b> EXAMINING THE ROLE OF DISSOLVED ORGANIC NITROGEN IN STREAM ECOSYSTEMS ACROSS BIOMES  <b>Authors:</b> Adam Wymore, Bianca Rodriguez-Cardona, Pavel Kram, Jakub Hruska, William McDowell	<b>Time/Location:</b> [315] – 10:45  <b>Title:</b> FIXED SITES AND MONITORING/BIOASSESSMENT BIAS IN EPHEMERAL SYSTEMS  <b>Authors:</b> Wayne Robinson
<b>Tuesday 11:00</b>	<b>Time/Location:</b> [302-303] – 11:00  <b>Title:</b> FLOW REGIME AND INVERTEBRATE COMMUNITY RESPONSE ACROSS JAPANESE RIVERS  <b>Authors:</b> Yo Miyake, Kento Yoshimura, Yuya Watanabe, Terutaka Mori, Takumi Akasaka	<b>Time/Location:</b> [304-305] – 11:00  <b>Title:</b> HISTORICAL PATTERNS IN WATER QUALITY IN RELATION TO OIL SANDS INDUSTRIAL DEVELOPMENT  <b>Authors:</b> Patricia Chambers, Alexa Alexander Trusiak	<b>Time/Location:</b> [306] – 11:00  <b>Title:</b> EFFECTS OF TAXONOMIC CONSISTENCY ON DIATOM METRIC PERFORMANCE  <b>Authors:</b> R. Jan Stevenson	<b>Time/Location:</b> [307] – 11:00  <b>Title:</b> A META-ANALYSIS OF PHARMACEUTICALS AND PERSONAL CARE PRODUCTS (PPCPs) IN US FRESHWATERS: SPATIAL AND TEMPORAL TRENDS  <b>Authors:</b> Melody Bernot, Jason Doll	<b>Time/Location:</b> [308] – 11:00  <b>Title:</b> STOICHIOMETRY OF HOMEOSTASIS AND GROWTH ACROSS AQUATIC INVERTEBRATE DETRITIVORES  <b>Authors:</b> Halvor Halvorson, Chris Fuller, Stephanie Stoughton, Thad Scott, Michelle Evans-White	<b>Time/Location:</b> [309-310] – 11:00  <b>Title:</b> WATER-LAND LINKAGES: AN INQUIRY BASED LESSON ON EMERGENCE OF ADULT AQUATIC INSECTS AND THEIR IMPORTANCE TO TERRESTRIAL PREDATORS  <b>Authors:</b> Kaleb Heinrich, Kelsey Robson, Colden Baxter	<b>Time/Location:</b> [311-312] – 11:00  <b>Title:</b> PARASITE FAUNA OF INVASIVE FRESHWATER FISHES WITH INSIGHTS INTO DRIVING FACTORS OF PARASITE OCCURRENCE.  <b>Authors:</b> Dana Calhoun, Pieter Johnson	<b>Time/Location:</b> [313] – 11:00  <b>Title:</b> BENTHOS AND PLANKTON STUDIES AT SELECTED RIVERS AND HARBORS ALONG LAKE MICHIGAN  <b>Authors:</b> Barbara Scudder Eikenberry, Hayley Templar, Daniel Burns, Amanda Bell	<b>Time/Location:</b> [314] – 11:00  <b>Title:</b> SEASONAL PATTERNS IN DENITRIFICATION RATES AS A FUNCTION OF NITRATE AVAILABILITY IN VEGETATED AGRICULTURAL DITCH SEDIMENTS  <b>Authors:</b> Shannon Speir, Jason Taylor, Thad Scott	<b>Time/Location:</b> [315] – 11:00  <b>Title:</b> BIOASSESSMENT OF INTERMITTENT RIVERS AND EPHEMERAL STREAMS IN THE MEDITERRANEAN BASIN: ARE CURRENT METHODS ADEQUATE?  <b>Authors:</b> Núria Cid, Pablo Rodríguez-Lozano, Nuria Bonada, Dolors Vinyoles, Pau Fortuño, Raúl Acosta, Jérôme Latron, Pilar Llorens, Francesc Gallart, Narcis Prat
<b>Tuesday 11:15</b>	<b>Time/Location:</b> [302-303] – 11:15  <b>Title:</b> THE ROLE OF CONTEXT DEPENDENCY IN UNDERSTANDING THE EFFECTS OF LOW FLOW EVENTS ON FISH  <b>Authors:</b> Annika Walters	<b>Time/Location:</b> [304-305] – 11:15  <b>Title:</b> SEASONAL VARIABILITY OF WATER CHEMISTRY AND BIOTIC COMMUNITIES IN TWO ECOZONES IN NORTHERN ONTARIO, CANADA  <b>Authors:</b> Vanessa Bourne, John L Bailey, Aaron Todd, Nicole Novodvorsky	<b>Time/Location:</b> [306] – 11:15  <b>Title:</b> DO WE NEED SOFT-BODIED ALGAE AS BIOINDICATORS IN STREAM BIOASSESSMENT?  <b>Authors:</b> Rosalina Stancheva, Robert Sheath	<b>Time/Location:</b> [307] – 11:15  <b>Title:</b> BENTHIC MACROINVERTEBRATE COMMUNITY RESPONSES TO MULTIPLE STRESSORS ASSOCIATED WITH DAM REMOVAL  <b>Authors:</b> David W. P. Manning, S. Mazeika P. Sullivan	<b>Time/Location:</b> [308] – 11:15  <b>Title:</b> VARIABILITY IN BENTHIC INVERTEBRATE COMMUNITIES IN A LARGE RIVER EXPLAINED BY PROCESSES OPERATING AT DIFFERENT SPATIAL AND TEMPORAL SCALES  <b>Authors:</b> Matthew McTammany, Matthew Wilson, Nicole King, Jordan Barton,	<b>Time/Location:</b> [309-310] – 11:15  <b>Title:</b> SHIFTS IN FISH-CENTERED FOOD WEBS FOLLOWING DAM REMOVAL IN AN URBAN RIVER SYSTEM  <b>Authors:</b> Alayna Dorobek, S. Mazeika P. Sullivan	<b>Time/Location:</b> [311-312] – 11:15  <b>Title:</b> INDICATORS OF SITE CONDITION CORRELATE WITH ROUND GOBY DISTRIBUTION IN MICHIGAN RIVERS  <b>Authors:</b> Corey Krabbenhoft, Donna Kashian	<b>Time/Location:</b> [313] – 11:15  <b>Title:</b> COMPARING BIOINDICATORS TO MEASURE THE EFFICACY OF RESTORATION IN MIDDLE FORK JOHN DAY RIVER, OR  <b>Authors:</b> Robin Henderson, James Pratt	<b>Time/Location:</b> [314] – 11:15  <b>Title:</b> VARIATION IN AMMONIUM UPTAKE RATES THROUGHOUT A TROPICAL WATERSHED: IMPLICATIONS FOR SCALING ECOSYSTEM PROCESSES  <b>Authors:</b> Lauren Koenig, Wilfred Wollheim, Janine Ruegg, William McDowell	<b>Time/Location:</b> [315] – 11:15  <b>Title:</b> CAMO, HOSE CLAMPS, AND PIXELS: ARIZONA'S APPROACH TO MONITORING IN INTERMITTENT STREAMS  <b>Authors:</b> Patrice Spindler, Meghan Smart



	[302-303] – 11:00 <b>Title:</b> SUMMERTIME MOVEMENT AND MICROHABITAT USE BY BROOK TROUT IN A SMALL MICHIGAN STREAM <b>Authors:</b> Justin Wegner, Graeme Zaparzynski, Mark Luttenton	[304-305] – 11:00 <b>Title:</b> EXAMINING SPATIAL AND TEMPORAL DYNAMICS OF MICROCYSTIS AEGUINOSA AND MICROCYSTIN IN A LOW NUTRIENT LAKE IN NORTHWESTERN MICHIGAN <b>Authors:</b> Jacob Gaskill, Megan Woller-Skar	[306] – 11:00 <b>Title:</b> RIVER FOOD WEBS OF THE CALIFORNIA NORTH COAST: STANDING ON THE SHOULDERS OF PROFESSOR VINCENT H. RESH <b>Authors:</b> Mary Power	[307] – 11:00 <b>Title:</b> MULTIPLE STRESSORS PREDICT FUNGAL INFECTION IN A DECLINING CALIFORNIA FROG DURING AN HISTORIC DROUGHT <b>Authors:</b> Sarah Kupferberg, Andrea Adams	[308] – 11:00 <b>Title:</b> RESPONSE OF MACROINVERTEBRATE COMMUNITIES TO DYNAMICS OF PESTICIDE MIXTURES <b>Authors:</b> Ming-Chih Chiu, Lisa Hunt, Vincent Resh	[309-310] – 11:00 <b>Title:</b> FACTORS AFFECTING PHOSPHORUS UPTAKE IN KARST RIVERS IN CENTRAL TEXAS <b>Authors:</b> Weston Nowlin, Aaron Swink, Benjamin Schwartz	[311-312] – 11:00 <b>Title:</b> THE IMPACT OF DIDYMOSPHENIA GEMINATA MATS VARIES ACROSS TROPHIC LEVELS IN SOUTHERN APPALACHIAN STREAMS <b>Authors:</b> Justin Murdock, Natalie Knorp, Lucas Hix, Andrea Engle	[313] – 11:00 <b>Title:</b> URBANIZATION: USING RESISTANCE TO THIS HOMOGENIZING FORCE TO INFORM MANAGEMENT <b>Authors:</b> Allison Roy	[314] – 11:00 <b>Title:</b> TRENDS IN FLOW ALTERATION OF CALIFORNIA'S RIVERS AND STREAMS (1950-PRESENT) <b>Authors:</b> Daren Carlisle, David Wolock	[315] – 11:00 <b>Title:</b> EFFECT OF WILDFIRES ON STREAM THERMAL REGIMES AND IMPLICATIONS FOR FRESHWATER FISH ACROSS THE PACIFIC NORTHWEST <b>Authors:</b> Elliot Koontz, Ashley Steel, Julian Olden
	<b>Time/Location:</b> [302-303] – 11:15 <b>Title:</b> SEASONAL VARIATION IN FORAGING AND COMPETITIVE BEHAVIORS IN CUTTHROAT TROUT <b>Authors:</b> Elizabeth Perkin, John Richardson	<b>Time/Location:</b> [304-305] – 11:15 <b>Title:</b> BENTHIC MACROINVERTEBRATES IN A CALIFORNIA RIVER BIOACCUMULATE CYANOTOXINS PRODUCED BY CYANOBACTERIAL MATS <b>Authors:</b> Keith Bouma-Gregson, Raphael Kudela, Mary Power	<b>Time/Location:</b> [306] – 11:15 <b>Title:</b> BIOASSESSMENT IN THE LOWER MEKONG RIVER: TECHNOLOGY TRANSFER TO A DEVELOPING REGION <b>Authors:</b> Bruce Chessman, Ian Campbell	<b>Time/Location:</b> [307] – 11:15 <b>Title:</b> MACROINVERTEBRATE RESPONSES TO MULTIPLE STRESSORS IN A LOWLAND STREAM NETWORK <b>Authors:</b> Chris Robinson, Simone Baumgartner	<b>Time/Location:</b> [308] – 11:15 <b>Title:</b> FLOW REGIME MANAGEMENT FOR RIPARIAN RESTORATION <b>Authors:</b> Katie Ross-Smith	<b>Time/Location:</b> [309-310] – 11:15 <b>Title:</b> A SPATIAL ANALYSIS OF SEASONAL VARIATION IN DISSOLVED NUTRIENTS AND GREENHOUSE GASSES ALONG TWO STREAM-RIVER NETWORKS DRAINING WATERSHEDS OF CONTRASTING LAND USE <b>Authors:</b> Martha M. Dee, Jennifer Tank, Alessandra Marzadri, Daniele Tonina, Alberto Bellin	<b>Time/Location:</b> [311-312] – 11:15 <b>Title:</b> HYDROLOGICAL ALTERATION MEDIATES TROPHIC CASCADE EFFECTS IN A MEDITERRANEAN STREAM <b>Authors:</b> Francesc Rubio-Gracia, David Almeida, Berta Bonet, Frederic Casals, Carmen Espinosa, Alexander Flecker, Emili Garcia-Berthou, Eugènia Martí, Baigal-Amar Tuulaikhuu, Anna Vila, Lluís Zamora, Helena Guasch	<b>Time/Location:</b> [313] – 11:15 <b>Title:</b> MINIMIZING STORMWATER RUNOFF IMPACTS TO STREAMS AND RIVERS THROUGH TARGETED FLOW THRESHOLDS: THE BIOLOGICAL RELEVANCE OF QCRITICAL <b>Authors:</b> Matthew Wooten, Robert Hawley, Elizabeth Fet, Katherine MacMannis	<b>Time/Location:</b> [314] – 11:15 <b>Title:</b> FUNCTIONAL FLOW NEEDS FOR CONSERVATION TARGETS IN THE CENTRAL VALLEY OF CALIFORNIA <b>Authors:</b> Jeanette Howard	<b>Time/Location:</b> [315] – 11:15 <b>Title:</b> THE RESPONSES OF MACROINVERTEBRATES TO REMOVAL OF RIPARIAN RHODODENDRON UNDERSTORY IN SOUTHERN APPALACHIAN STREAMS <b>Authors:</b> Kevin Eliason, E.F. Benfield
	<b>Time/Location:</b> [302-303] – 11:30 <b>Title:</b> VARIATION IN TEMPERATURE-DEPENDENT GROWTH RATES IN JUVENILE CHINOOK SALMON: THE NEED FOR POPULATION-SPECIFIC BIOENERGETICS <b>Authors:</b> Steve Blumenshine, Taylor Spaulding	<b>Time/Location:</b> [304-305] – 11:30 <b>Title:</b> SPATIOTEMPORAL DYNAMICS OF PHORMIDIUM ACCRUAL AND TOXIN PRODUCTION IN EIGHT NEW ZEALAND RIVERS WITH CONTRASTING NUTRIENT AND FLOW REGIMES <b>Authors:</b> Tara McAllister, Susie Wood, Ian Hawes	<b>Time/Location:</b> [306] – 11:30 <b>Title:</b> DAMS ON MEDITERRANEAN-CLIMATE RIVERS: SUSTAINABILITY AND ECOLOGICAL EFFECTS <b>Authors:</b> G. Mathias Kondolf	<b>Time/Location:</b> [307] – 11:30 <b>Title:</b> MAPPING WATERSHED INTEGRITY FOR THE CONTERMINOUS UNITED STATES <b>Authors:</b> Darren Thornbrugh, Scott Leibowitz, Ryan Hill, Marc Weber, John Stoddard, Joseph Flotemersch	<b>Time/Location:</b> [308] – 11:30 <b>Title:</b> LETTING BEAVERS DO THE WORK: ECOLOGICAL RECOVERY OF A DRAINED STREAM-WETLAND SYSTEM THROUGH BEAVER ACTIVITY <b>Authors:</b> Elizabeth Sudduth, Courtney Dobash, Annalise Reagan, Mikayla Oglesby	<b>Time/Location:</b> [309-310] – 11:30 <b>Title:</b> THE NATIONAL ECOLOGICAL OBSERVATORY NETWORK'S EVOLVING AQUATIC DATA PIPELINES AND DATA AVAILABILITY <b>Authors:</b> Keli Goodman, Stephanie Parker, Caren Scott, Jesse Vance	<b>Time/Location:</b> [311-312] – 11:30 <b>Title:</b> FAMILY-LEVEL DIVERSITY OF AQUATIC MACROINVERTEBRATES IN WESTERN SOUTH DAKOTA AND IMPLICATIONS FOR CHANNEL CATFISH DIETS <b>Authors:</b> Erin Peterson	<b>Time/Location:</b> [313] – 11:30 <b>Title:</b> MIDWESTERN RIVERS: ARE THEY HOTSPOTS, BUFFERS, OR SENTINELS OF AGRICULTURAL LAND USE? <b>Authors:</b> Jennifer L. Tank, Martha M. Dee, Alessandra Marzadri, Daniele Tonina, Alberto Bellin	<b>Time/Location:</b> [314] – 11:30 <b>Title:</b> DESIGNING MULTI-YEAR ENVIRONMENTAL FLOW REGIMES TO BENEFIT NATIVE FISHES AND DETER NONNATIVE FISHES DURING TIMES OF WATER SCARCITY <b>Authors:</b> William Chen, Julian Olden	<b>Time/Location:</b> [315] – 11:30 <b>Title:</b> RECOVERY OF BENTHIC PRIMARY PRODUCERS TO FLOOD DISTURBANCE IN A TROPICAL SAVANNAH RIVER <b>Authors:</b> Simon Townsend, Julia Schult, Michael Douglas
	<b>Time/Location:</b> [302-303] – 11:45 <b>Title:</b> EFFECTS OF LOW STREAM FLOW ON JUVENILE SALMONIDS IN TRIBUTARIES OF THE RUSSIAN RIVER, CALIFORNIA <b>Authors:</b> Mariska Obedzinski, Andrew Bartshire	<b>Time/Location:</b> [304-305] – 11:45 <b>Title:</b> SPECIES MATTER: THE RESPONSE OF DIATOMS AND N <sub>2</sub> -FIXING ALGAL TAXA TO INCREASING TEMPERATURE AND NITROGEN ADDITION <b>Authors:</b> Paula Furey, Jill Welter, Jim Hood, Delorianne Sander, Wyatt Cross, Jonathan P. Benstead, Alexander Huryrn, Philip Johnson, Jón S. Ólafsson, Gisli Gislason	<b>Time/Location:</b> [306] – 11:45 <b>Title:</b> REFLECTIONS FROM A FUMAROLE: PASSING ON VINCE RESH'S LESSONS TO THE NEXT GENERATION OF GRADUATE STUDENTS <b>Authors:</b> Gary Lamberti	<b>Time/Location:</b> [307] – 11:45 <b>Title:</b> UNDERSTANDING AGRICULTURAL LAND USE DISTURBANCE IN STREAMS: A COMPARISON OF ALGAE AND INVERTEBRATE MULTI-STRESSOR MODELS <b>Authors:</b> Ian Waite	<b>Time/Location:</b> [308] – 11:45 <b>Title:</b> GRAVEL-BED RIVER FLOODPLAINS ARE THE ECOLOGICAL NEXUS OF GLACIATED MOUNTAIN LANDSCAPES <b>Authors:</b> Richard Hauer, Harvey Locke, Victoria Dreitz, Mark Hebblewhite, Winsor Lowe, Clint Muhlfeld, Cara Nelson, Michael Proctor, Stewart Rood	<b>Time/Location:</b> [309-310] – 11:45 <b>Title:</b> A CONSTRAINT-BASED, COMPOUND SPECIFIC APPROACH TO MODELING LINKED BIOGEOCHEMICAL CYCLES <b>Authors:</b> Ann Marie Reinhold, Geoffrey Poole, Ashley Helton, Clemente Izurieta, Robert Payn, Emily Bernhardt	<b>Time/Location:</b> [311-312] – 11:45 <b>Title:</b> CONSEQUENCES OF CHANGES IN COMMUNITY STRUCTURE ACROSS ENVIRONMENTAL GRADIENTS REVEALED USING BODY MASS-ABUNDANCE RELATIONSHIPS <b>Authors:</b> Helen Warburton, Pete McHugh, Phillip Jellyman, Hamish Greig, Angus McIntosh	<b>Time/Location:</b> [313] – 11:45 <b>Title:</b> OPTICAL WATER QUALITY AND HUMAN PERCEPTIONS OF RIVERS: AN ETHNOHYDROLOGY STUDY <b>Authors:</b> Amie West, Justin Nolan, Thad Scott	<b>Time/Location:</b> [314] – 11:45 <b>Title:</b> USING CONDITIONAL PROBABILITY NETWORK MODELS TO OPTIMIZE ENVIRONMENTAL FLOW RELEASES <b>Authors:</b> Avril Horne	<b>Time/Location:</b> [315] – 11:45 <b>Title:</b> THE INFLUENCE OF SUCCESSIONAL STATE ON COMMUNITY RESPONSES TO DISTURBANCE IN POND MESOCOSMS <b>Authors:</b> Jessica Haghkerdar, Jack McLachlan, Emma Toth, Alexis Ireland, Hamish Greig
	<b>Time/Location:</b> [302-303] – 13:30 <b>Title:</b> TRACKING FISH MOVEMENTS IN A	<b>Time/Location:</b> [304-305] – 13:30 <b>Title:</b> MICRON-SCALE SPATIAL AND DIEL	<b>Time/Location:</b> [306] – 13:30 <b>Title:</b> CHALLENGES AND OPPORTUNITIES FOR	<b>Time/Location:</b> [307] – 13:30 <b>Title:</b> DOES OIL AND NATURAL GAS	<b>Time/Location:</b> [308] – 13:30 <b>Title:</b> BIOGEOCHEMICAL SYMPTOMS OF THE	<b>Time/Location:</b> [309-310] – 13:30 <b>Title:</b> ECOLOGICAL SUBSIDIES FROM AN	<b>Time/Location:</b> [311-312] – 13:30 <b>Title:</b> FISH SCENT: EPISODE I – ORIGEN AND	<b>Time/Location:</b> [313] – 13:30 <b>Title:</b> ECOLOGICAL IMPACTS OF ALTERED RIVER	<b>Time/Location:</b> [314] – 13:30 <b>Title:</b> HAVE ENVIRONMENTAL FLOWS LIMITED	<b>Time/Location:</b> [315] – 13:30 <b>Title:</b> DOES INCREASING DENSITY STRESS FAVOR INVASIVE

<p><b>Wednesday</b> 13:30</p>	<p>LARGE RIVER USING STABLE SULFUR ISOTOPES</p> <p><b>Authors:</b> Tim Jardine, Meghan Carr, Karl Lindenschmidt, Lorne Doig, Paul Jones, Lalita Bharadwaj</p>	<p>VARIATION IN OXYGEN AT THE BIOFILM-SEDIMENT INTERFACE</p> <p><b>Authors:</b> Andrea Fitzgibbon, David Costello</p>	<p>RESEARCH AND MANAGEMENT IN MEDITERRANEAN CLIMATE RIVERS: CONTRIBUTIONS BY PROFESSOR VINCENT H. RESH</p> <p><b>Authors:</b> Nuria Bonada, Stefano Amalfitano, Joan Artigas, Susana Bernal, Scott D. Cooper, Helen Dallas, Peter M. Davies, Jenny A. Day, Ferdy C. de Moor, Tom Dudley, Stefano Fazi, A. Filipa Filipa, Ricardo Figueroa, Avital Gasith, Antoni Ginebreda, Yaron Hershkovitz, G. Mathias Kondolf, P. Sam Lake, Julio López-Doval, Sean M. Marr, John M. Melack, Isabel Muñoz, Mira Petrovic, Keith Bouma-Gregson, Narcis Prat, Maria Rieradevall, Belinda J. Robson, Patricia M. Rodríguez-González, Anna M. Romani, Sergi Sabater, John Sabo, John C. Stella, J. Manuel Tierno de Figueroa, Xisca Timoner, Iraima Verkaik, Irene Ylla, Annamaria Zoppini</p>	<p>DEVELOPMENT AND HYDROLOGY INTERACT TO AFFECT FISH POPULATIONS?</p> <p><b>Authors:</b> Richard Walker, Carlin Girard, Annika Walters</p>	<p>URBAN STREAM SYNDROME: HOMOGENIZATION OF WATER CHEMISTRY AND IMPLICATIONS FOR ECOSYSTEM FUNCTIONING IN URBAN STREAMS</p> <p><b>Authors:</b> Alexander Reisinger, Emma Rosi-Marshall, Peter Groffman, Sylvia Lee, Emily Bernhardt, Joanna Blaszczak, Nancy Grimm, Sujay Kaushal, John Kelly, Peter S. Levi, Emily Stanley</p>	<p>OUTBREAK INSECT CAN AFFECT HEADWATER CONIFEROUS STREAM ECOSYSTEMS</p> <p><b>Authors:</b> Clay Arango, Sally Entrekim, Jennifer Lipton</p>	<p>SPECIFICITY OF THE CUE THAT MAKE LARVAE (INSECTA) RUN SCARED FROM FISH</p> <p><b>Authors:</b> Maruxa Álvarez, Andrea Landeira-Dabarca, Bobbi Peckarsky</p>	<p>FLOW REGIMES</p> <p><b>Authors:</b> Angela Arthington</p>	<p>VEGETATION ENCROACHMENT ALONG THE GREEN AND COLORADO RIVERS IN CANYONLANDS NATIONAL PARK?</p> <p><b>Authors:</b> Dustin Perkins, Aneth Wight, Mark Wondzell, Mark Miller, Michael Scott</p>	<p>AMPHIPOD SPECIES IN CENTRAL EUROPEAN STREAMS? EVIDENCE FROM A LAB EXPERIMENT</p> <p><b>Authors:</b> Elisabeth I. Meyer, Jessica Rosolowski, H. Wolfgang Riss</p>
<p><b>Wednesday</b> 13:45</p>	<p><b>Time/Location:</b> [302-303] – 13:45</p> <p><b>Title:</b> EVALUATING FORAGING HABITS, AND ESTIMATING PREY CONSUMPTION AND GROWTH OF BROOK TROUT IN A COOLWATER MICHIGAN STREAM</p> <p><b>Authors:</b> Graeme Zaparzynski, Justin Wegner, Mark Luttenon</p>	<p><b>Time/Location:</b> [304-305] – 13:45</p> <p><b>Title:</b> STIMULATION OF SAGINAW BAY CHAROPHYCEAN ALGAE BY P</p> <p><b>Authors:</b> Steve Francoeur</p>	<p><b>Time/Location:</b> [306] – 13:45</p> <p><b>Title:</b> OVIPOSITION BEHAVIOR OF TRICHOPTERA: FROM CALIFORNIAN MEDITERRANEAN-TYPE STREAMS TO EUROPEAN CENTRAL MOUNTAIN STREAMS</p> <p><b>Authors:</b> Andreas Hoffmann</p>	<p><b>Time/Location:</b> [307] – 13:45</p> <p><b>Title:</b> EFFECTS OF MULTIPLE PRESSURES ON INVERTEBRATE ASSEMBLAGES OF BOREAL STREAMS</p> <p><b>Authors:</b> Richard Johnson, Brendan McKie, David Angeler, Leonard Sandin, Simon Hallstan</p>	<p><b>Time/Location:</b> [308] – 13:45</p> <p><b>Title:</b> EXPORT OF CARBON, NUTRIENTS, AND WEATHERING PRODUCTS FROM A HIGHLY URBANIZED TROPICAL WATERSHED</p> <p><b>Authors:</b> William H. McDowell, Alonso Ramirez, Jody Potter</p>	<p><b>Time/Location:</b> [309-310] – 13:45</p> <p><b>Title:</b> ECOLOGICAL LINKAGES BETWEEN STREAMS AND THEIR ADJACENT RIPARIAN ZONES FOLLOWING HEMLOCK WOOLLY ADELGID INVASION</p> <p><b>Authors:</b> Kristen M. Diesburg, S. Mazeika P. Sullivan</p>	<p><b>Time/Location:</b> [311-312] – 13:45</p> <p><b>Title:</b> FISH SCENT: EPISODE II – NATURE OF THE CUE THAT MAKE LARVAE (INSECTA) RUN SCARED FROM FISH</p> <p><b>Authors:</b> Andrea Landeira-Dabarca, Maruxa Álvarez, Bobbi Peckarsky</p>	<p><b>Time/Location:</b> [313] – 13:45</p> <p><b>Title:</b> FLOW MANAGEMENT FOR HYDROPOWER EXTIRPATES AQUATIC INSECTS, THE FOUNDATION OF RIVERINE FOOD WEBS</p> <p><b>Authors:</b> Ted Kennedy, Jeffrey Muehlbauer, Charles Yackulic, David Lytle, Scott Miller, Kimberly Dibble, Eric Kortenhoeven, Anya Metcalfe, Colden Baxter</p>	<p><b>Time/Location:</b> [314] – 13:45</p> <p><b>Title:</b> MEASURING AND EVALUATING ECOLOGICAL FLOWS FROM STREAMS TO REGIONS: STEPS TOWARD NATIONAL COVERAGE</p> <p><b>Authors:</b> James McKenna, Howard Reeves, David Holtschlag, Paul Seelbach, Michael Slattery, Carol Luukkonen</p>	<p><b>Time/Location:</b> [315] – 13:45</p> <p><b>Title:</b> MODELING LAKE INVASIONS BY CRYPTIC WATERMILFOIL TAXA AND THEIR ECO-EVOLUTIONARY RESPONSES TO MANAGEMENT</p> <p><b>Authors:</b> James McNair, Ryan Thum, Syndell Parks</p>
<p><b>Wednesday</b> 14:00</p>	<p><b>Time/Location:</b> [302-303] – 14:00</p> <p><b>Title:</b> EARLIER ARRIVAL AND LARGER BODY SIZE INCREASE REPRODUCTIVE SUCCESS IN ALEWIFE</p> <p><b>Authors:</b> Meghna Marjadi, Allison Roy, Adrian Jordaan, Julianne Rosset, Andrew Whiteley, Ben Gahagan</p>	<p><b>Time/Location:</b> [304-305] – 14:00</p> <p><b>Title:</b> STREAM METABOLISM INCREASES WITH DRAINAGE AREA AND PEAKS ASYNCHRONOUSLY ACROSS A STREAM NETWORK</p> <p><b>Authors:</b> Francine Mejia, Joseph Benjamin, Ryan Bellmore, Grace Watson, Adrienne Zuckerman, Michael Newsom, Alex Fremier</p>	<p><b>Time/Location:</b> [306] – 14:00</p> <p><b>Title:</b> CITIZEN V PROFESSIONAL SCIENCE IN BIOASSESSMENT OF AQUATIC ECOSYSTEMS: CHALLENGING “VALUE-ADDED”, “GREENWASH”, AND OTHER TIRED GENERALITIES</p> <p><b>Authors:</b> Robert Bailey, Sonja Teichert, Trefor Reynoldson</p>	<p><b>Time/Location:</b> [307] – 14:00</p> <p><b>Title:</b> WATER POLLUTION AND INFODISRUPTION: CHEMOSENSORY PERCEPTION OF FOOD AND PREDATORS BY RIVERINE INVERTEBRATES IS IMPAIRED BY A BRINE WASTEWATER EFFLUENT</p> <p><b>Authors:</b> Andrew Turner, Brianna Reed</p>	<p><b>Time/Location:</b> [308] – 14:00</p> <p><b>Title:</b> PLATINUM: AN INDICATOR FOR TRAFFIC INDUCED POLLUTION IN URBAN FRESHWATER SYSTEMS</p> <p><b>Authors:</b> Nadine Ruchter, Bernd Sures</p>	<p><b>Time/Location:</b> [309-310] – 14:00</p> <p><b>Title:</b> SPATIAL HETEROGENEITY IN STREAM TEMPERATURE PROLONGS AQUATIC-TO-TERRESTRIAL SUBSIDY ENHANCING SPIDER GROWTH</p> <p><b>Authors:</b> Hiromi Uno</p>	<p><b>Time/Location:</b> [311-312] – 14:00</p> <p><b>Title:</b> WHAT IF STRUCTURE HAS MORE FUNCTION THAN WE REALIZE? WATER VELOCITY REGULATES HERBIVORY PRESSURE ON PODOSTEMUM CERATOPHYLLUM.</p> <p><b>Authors:</b> James Wood, Jon Skaggs, Mary Freeman</p>	<p><b>Time/Location:</b> [313] – 14:00</p> <p><b>Title:</b> ADDRESSING THE ECOLOGICAL IMPACTS OF DAMS THROUGH DAM REMOVAL IN THE U.S.</p> <p><b>Authors:</b> Erin Singer McCombs, Laura Craig, Brian Graber, Serena McClain</p>	<p><b>Time/Location:</b> [314] – 14:00</p> <p><b>Title:</b> THE RELATIONSHIPS BETWEEN FLOW ALTERATION AND FISH-TRAIT COMBINATIONS IN A LARGE GREAT PLAINS RIVER</p> <p><b>Authors:</b> Worthington Thomas, Shannon Brewer, Jonathan Kennen</p>	<p><b>Time/Location:</b> [315] – 14:00</p> <p><b>Title:</b> INFLUENCE OF SPECIFIC ELECTRICAL CONDUCTIVITY ON NATIVE AND INVASIVE SNAIL GROWTH RATE AND MORTALITY</p> <p><b>Authors:</b> Michele Larson, Amy Krist</p>
<p><b>Wednesday</b></p>	<p><b>Time/Location:</b> [302-303] – 14:15</p> <p><b>Title:</b> THE ROLE OF DISPERSAL IN RANGE EXPANSION: A STUDY OF SMALLMOUTH BASS INVASION AT ITS</p>	<p><b>Time/Location:</b> [304-305] – 14:15</p> <p><b>Title:</b> APPLICATION OF CELLULAR AUTOMATA TO MODELING ALGAE BLOOM AND ITS ASSIMILATION PROCESS</p>	<p><b>Time/Location:</b> [306] – 14:15</p> <p><b>Title:</b> SEASONAL DRYING AND WETTING IN MEDITERRANEAN-CLIMATE REGIONS: LAKES LIKE STREAMS</p>	<p><b>Time/Location:</b> [307] – 14:15</p> <p><b>Title:</b> MERCURY CONTAMINATION AND THERMAL STRESS COMBINES TO HAVE DETRIMENTAL</p>	<p><b>Time/Location:</b> [308] – 14:15</p> <p><b>Title:</b> DECIPHERING CAUSES OF BIOLOGICAL IMPAIRMENT IN A HEAVILY URBANIZED WATERSHED</p>	<p><b>Time/Location:</b> [309-310] – 14:15</p> <p><b>Title:</b> SEASONAL VARIABILITY OF AQUATIC-TERRESTRIAL FOOD-WEB LINKAGES IN A SUBTROPICAL</p>	<p><b>Time/Location:</b> [311-312] – 14:15</p> <p><b>Title:</b> MACROINVERTEBRATE COMMUNITY COMPOSITION, EMERGENCE RATE, AND FOOD WEB STRUCTURE</p>	<p><b>Time/Location:</b> [313] – 14:15</p> <p><b>Title:</b> CULVERTS IN THE BOREAL FOREST: IMPACTS AND RESTORATION METHODS FOR NATIVE</p>	<p><b>Time/Location:</b> [314] – 14:15</p> <p><b>Title:</b> WATER ABSTRACTION COULD TRUMP CLIMATE AND LAND COVER CHANGE IN ALTERING FUTURE FISH</p>	<p><b>Time/Location:</b> [315] – 14:15</p> <p><b>Title:</b> THE ENIGMATIC MUD SNAIL, <i>MARSTONIA LETSONI</i>, INVADES LAKE ST. CLAIR.</p> <p><b>Authors:</b></p>

	<b>14:15</b>	UPSTREAM EDGE <b>Authors:</b> Erika Sutherland, Julian Olden	USING MULTI-RESOURCES OF DATA <b>Authors:</b> Yuqing Lin, Qiuwen Chen	ARE SIGNIFICANTLY IMPACTED BY THIS MAJOR HYDROLOGIC DRIVER <b>Authors:</b> Avital Gasith	EFFECTS ON FRESHWATER MUSSEL-DRIVEN ECOSYSTEMS <b>Authors:</b> Brent Tweedy, Caryn Vaughn	<b>Authors:</b> Clint Boschen, Jerome Diamond, Ruth Kolb, Michael Paul	ESTUARINE SYSTEM <b>Authors:</b> Martha J. Zapata, S. Mazeika P. Sullivan	OF NEOTROPICAL CLOUD-FOREST STREAMS IN MINDO, ECUADOR <b>Authors:</b> Anna Harris, Blanca Rios-Touma, Andrea Encalada, Eric Snyder	FRESHWATER FISHES <b>Authors:</b> Bryan Maitland, Mark Poesch, Axel Anderson	SPECIES RICHNESS IN NORTH CAROLINA PIEDMONT STREAMS <b>Authors:</b> Ernie Hain, Jonathan Kennen, Peter Caldwell, Stacy Nelson, Ge Sun, Steven McNulty	Ronald Griffiths, Donald Schloesser
<b>Wednesday 14:30</b>	<b>Time/Location:</b> [302-303] – 14:30	<b>Title:</b> POPULATION CHARACTERISTICS, CAPTURE SUCCESS, AND FEEDING ECOLOGY OF MUDPUPIES (NECTURUS MACULOSUS) IN AN URBAN LAKE <b>Authors:</b> Alicia Beattie, Matt Whiles, Philip Willink	<b>Time/Location:</b> [304-305] – 14:30 <b>Title:</b> EXPERIMENTAL EFFECTS OF CONDUCTIVITY AND MAJOR IONS ON STREAM PERIPHYTON <b>Authors:</b> Nathan Smucker, Susanna DeCelles, Stefania Guglielmi, Christopher Nietch	<b>Time/Location:</b> [306] – 14:30 <b>Title:</b> BALANCING UNCERTAINTIES: RIVER CORRIDOR CONSERVATION AND RESTORATION IN A MEDITERRANEAN-CLIMATE RIVER IN SOUTHERN CALIFORNIA <b>Authors:</b> Bruce Orr, Zooey Diggory, Peter Downs, Tom Dudley, Adam Lambert, Amy Merrill, Erin Beller, Robin Grossinger	<b>Time/Location:</b> [307] – 14:30 <b>Title:</b> MULTI-CAUSAL INTERACTIONS OF ECOLOGICAL DRIVERS IN FLORIDA SPRING-FED RIVERS <b>Authors:</b> Mary Szafranec, Margaret Guyette	<b>Time/Location:</b> [308] – 14:30 <b>Title:</b> LONG-TERM TRENDS REVEAL VARYING CONTROLS ON NITROGEN, PHOSPHORUS, AND CHLORIDE CONCENTRATIONS AMONG URBAN RIVER NETWORKS <b>Authors:</b> Peter S. Levi, Peter J. Lisi, Etienne Fluet-Chouinard, Matthew Diebel, Peter B. McIntyre	<b>Time/Location:</b> [309-310] – 14:30 <b>Title:</b> TERRESTRIAL-AQUATIC CONNECTIONS: A RIPARIAN INVASIVE SHRUB ALTERS ECOSYSTEM SUBSIDIES AND AQUATIC FUNCTIONAL DIVERSITY <b>Authors:</b> Rachel E. McNeish, M. Eric Benbow, Ryan W. McEwan	<b>Time/Location:</b> [311-312] – 14:30 <b>Title:</b> FOOD WEB STABILITY: ARE WET OR DRY WEBS DIFFERENT? <b>Authors:</b> Russell Death	<b>Time/Location:</b> [313] – 14:30 <b>Title:</b> RIVER NAVIGATION INFRASTRUCTURE AND IMPACTS <b>Authors:</b> Nicholas Pinter	<b>Time/Location:</b> [314] – 14:30 <b>Title:</b> DISTURBING FLOWS: RECOVERY CAPACITY OF MACROINVERTEBRATE ASSEMBLAGE AND TRAITS TO ENVIRONMENTAL FLOW EXTREMES <b>Authors:</b> Daniela Cortez, Ross Thompson, Ivor Growns, Ben Kefford	<b>Time/Location:</b> [315] – 14:30 <b>Title:</b> PERSISTENT ECOSYSTEM CHANGES LINKED TO ZEBRA MUSSELS IN A SUBTROPICAL RESERVOIR <b>Authors:</b> Thayer Hallidayschult, Jessica Beyer, K David Hambright
<b>Wednesday 14:45</b>	<b>Time/Location:</b> [302-303] – 14:45	<b>Title:</b> FACTORS REGULATING THE DISTRIBUTION AND ABUNDANCE OF SICYDIUM (GOBIIDAE: PERCIFORMES) IN HEADWATER STREAMS WITHIN EL YUNQUE NATIONAL FOREST, PUERTO RICO. <b>Authors:</b> Guido A Herrera-R, Pedro Torres	<b>Time/Location:</b> [304-305] – 14:45	<b>Time/Location:</b> [306] – 14:45 <b>Title:</b> FROM AFRICA TO SOUTH AMERICA – RECENT RESEARCH ON PESTICIDES AND AQUATIC ECOSYSTEMS <b>Authors:</b> Lisa Hunt	<b>Time/Location:</b> [307] – 14:45 <b>Title:</b> CUMULATIVE IMPACTS OF NUTRIENT ENRICHMENT, SEDIMENTATION, AND NEONICOTINOID INSECTICIDE POLLUTION ON FRESHWATER ECOSYSTEM FUNCTIONING <b>Authors:</b> Ana Chara-Serna, Luis B. Epele, John Richardson	<b>Time/Location:</b> [308] – 14:45 <b>Title:</b> EFFECTS OF URBAN CHEMICAL STRESSORS ON STREAM BIOFILMS <b>Authors:</b> Sylvia Lee, Emma Rosi-Marshall, Alexander Reisinger, John Kelly, Miguel Rojas, Sujay Kaushal	<b>Time/Location:</b> [309-310] – 14:45 <b>Title:</b> COMPLEX INTERACTIONS AMONG PHENOLOGY, COMPOSITION, RETENTION AND TEMPERATURES AFFECTING INCORPORATION OF CROSS-ECOSYSTEM RESOURCE SUBSIDIES TO STREAMS <b>Authors:</b> John Richardson	<b>Time/Location:</b> [311-312] – 14:45 <b>Title:</b> SEASONAL VARIATION OF FISH AND MACROINVERTEBRATE BIOMASS SPECTRA IN SOUTHERN WEST VIRGINIA STREAMS <b>Authors:</b> Andrew Kirk, Daniel McGarvey	<b>Time/Location:</b> [313] – 14:45 <b>Title:</b> EXPLORING OPPORTUNITIES FOR ADDRESSING MULTIPLE THREATS IN FRESHWATER CONSERVATION <b>Authors:</b> Julian Olden	<b>Time/Location:</b> [314] – 14:45 <b>Title:</b> DETERMINATION OF METHOD FOR ESTIMATING ENVIRONMENTAL FLOWS (EFLOWS) IN POLAND <b>Authors:</b> Piotr Parasiewicz, Pawel Prus, Katarzyna Suska	<b>Time/Location:</b> [315] – 14:45 <b>Title:</b> EFFECTS OF CYANOBACTERIA ON QUAGGA MUSSEL (DREISSENA ROSTRIFORMIS BUGENSIS) REPRODUCTION <b>Authors:</b> Anna Boegehold, Karim Alame, Nicholas Johnson, Donna Kashian
<b>Wednesday 15:30</b>	<b>Time/Location:</b> [302-303] – 15:30	<b>Title:</b> PATTERNS AND PROCESSES RELATED TO AMPHIBIAN CHYTRID FUNGI DETECTION IN LENTIC SYSTEMS <b>Authors:</b> Tara Chestnut, Deanna Olson, Chauncey Anderson, Andrew Blaustein	<b>Time/Location:</b> [304-305] – 15:30 <b>Title:</b> LETHAL AND SUBLETHAL RESPONSES OF 3 BAETID MAYFLIES EXPOSED TO TEMPERATURE EXTREMES <b>Authors:</b> John Jackson, David Funk, Bernard Sweeney, Goggy Davidowitz, Charles Hawkins, David Buchwalter	<b>Time/Location:</b> [306] – 15:30 <b>Title:</b> FROM VINCE TO BEYOND <b>Authors:</b> Joshua Collins	<b>Time/Location:</b> [307] – 15:30 <b>Title:</b> FISHERIES ACTIONS TO RESPOND TO CALIFORNIA'S PROLONGED DROUGHT <b>Authors:</b> Kevin Shaffer	<b>Time/Location:</b> [308] – 15:30 <b>Title:</b> BENTHIC HABITAT SUSCEPTIBILITY TO PERTURBATIONS INFLUENCES URBAN STREAM METABOLISM <b>Authors:</b> Joanna Blaszczak, Joseph Delesantro, Dean Urban, Emily Bernhardt	<b>Time/Location:</b> [309-310] – 15:30 <b>Title:</b> IMPACTS OF AN INTRODUCED TREE ON FOOD WEB FUNCTIONALITY <b>Authors:</b> Hannah Riedl, William Clements, Liba Pejchar	<b>Time/Location:</b> [311-312] – 15:30 <b>Title:</b> FOOD WEB DYNAMICS ON BRANCHING RIVER NETWORKS <b>Authors:</b> Kurt Anderson, Sean Hayes, Jonathan Sarhad	<b>Time/Location:</b> [313] – 15:30 <b>Title:</b> EVALUATING RESTORATION EFFECTIVENESS IN MINING-POLLUTED STREAMS FOLLOWING SHIFTS TO ALTERNATIVE STABLE STATES <b>Authors:</b> William Clements, Travis Schmidt, Pete Cadmus	<b>Time/Location:</b> [314] – 15:30 <b>Title:</b> E-FLOWS FOR THE EU WATER FRAMEWORK DIRECTIVE - FROM THEORY TO PRACTICE <b>Authors:</b> Wouter van de Bund	<b>Time/Location:</b> [315] – 15:30 <b>Title:</b> QUAGGA AND ZEBRA MUSSEL MONITORING IN THE PACIFIC NORTHWEST, USA: HOW MUCH EFFORT IS NEEDED TO DETECT RARE PLANKTONIC TAXA IN THE COLUMBIA AND SNAKE RIVERS <b>Authors:</b> Tim Counihan, Steve Bollens
<b>Wednesday 15:45</b>	<b>Time/Location:</b> [302-303] – 15:45	<b>Title:</b> SCALE SHAPE VARIATION IN A SPECIOSE AND HIGHLY IMPERILED GROUP OF FISHES, THE DARTERS (PERCIDAE: ETHEOSTOMATINAE) <b>Authors:</b> Jessica Grady, Rebecca Blanton Johansen, Courtney	<b>Time/Location:</b> [304-305] – 15:45 <b>Title:</b> FLOW-POPULATION MODELS FOR TRACKING NON-STATIONARY CHANGES IN AQUATIC AND RIPARIAN ECOSYSTEMS <b>Authors:</b> David Lytle, David Merritt, Julian Olden, Jonathan Tonkin	<b>Time/Location:</b> [306] – 15:45 <b>Title:</b> THE LEGACY OF VINCE RESH IN SCIENTIFIC COMMUNICATION: A VISIONARY SCIENTIST WITH BROAD SOCIETAL IMPACTS <b>Authors:</b> Alison O'Dowd, Matthew Cover, Justin Lawrence	<b>Time/Location:</b> [307] – 15:45 <b>Title:</b> THE INTERACTION AND IMPLICATIONS OF FINE SEDIMENT DEPOSITION AND INVASIVE CRAYFISH PREDATION ON THE AMPHIPOD GAMMARUS PULEX <b>Authors:</b> Kate Mathers, Stephen	<b>Time/Location:</b> [308] – 15:45 <b>Title:</b> BIOGEOCHEMICAL EVALUATION OF RESTORED URBAN STREAMS <b>Authors:</b> Thomas Doody, Alexander Reisinger, Emma Rosi-Marshall, Sujay Kaushal, Peter Groffman	<b>Time/Location:</b> [309-310] – 15:45 <b>Title:</b> HOW STRESSORS SHAPE SUBSIDIES: LESSONS FROM METAL-IMPACTED STREAMS <b>Authors:</b> Johanna Kraus, David Walters, Richard Wanty, Travis Schmidt, Justin Pomeranz, Andrew S. Todd, Laura Heiker	<b>Time/Location:</b> [311-312] – 15:45 <b>Title:</b> A MECHANISTIC MODEL OF FORAGING AND BIOENERGETICS TO EXPLORE SALMON GROWTH IN PACIFIC NORTHWEST RESERVOIRS DURING DROUGHT <b>Authors:</b> Christina Murphy, Ivan	<b>Time/Location:</b> [313] – 15:45 <b>Title:</b> UNCONVENTIONAL OIL AND GAS EXTRACTION POSES NEW RISKS TO STREAM WATER QUALITY AND QUANTITY. <b>Authors:</b> Sally Entrekin	<b>Time/Location:</b> [314] – 15:45 <b>Title:</b> FUNCTIONAL FLOWS IN MODIFIED RIVERSCAPES: HYDROGRAPHS, HABITATS AND OPPORTUNITIES <b>Authors:</b> Sarah Yarnell, Geoffrey Petts, John Schmidt, Alison Whipple, Erin Beller, Cliff	<b>Time/Location:</b> [315] – 15:45 <b>Title:</b> CYANOBACTERIA REDUCES QUAGGA MUSSEL (DREISSENA ROSTRIFORMIS BUGENSIS) SPERM MOVEMENT <b>Authors:</b> Karim Alame, Anna Boegehold, Nicholas Johnson, Donna Kashian

	Weyand, Sarah Lundin-Schiller, Eva Grebe, Zachary Holtel			Rice, Paul Wood			Arismendi, Sherri Johnson		Dahm, Peter Goodwin, Joshua Viers	
<b>Wednesday 16:00</b>	<b>Time/Location:</b> [302-303] – 16:00 <b>Title:</b> BIOLOGY OF SANTA ANA SUCKER (CATOSTOMUS SANTAANAE) AND ARROYO CHUB (GILA ORCUTTI) IN THE SANTA ANA RIVER, AN EFFLUENT DOMINATED URBAN RIVER <b>Authors:</b> Larry R. Brown, Jason May, Heather Dyer, Kerwin Russell, Kai Palenscar	<b>Time/Location:</b> [304-305] – 16:00 <b>Title:</b> LONG-TERM EVOLUTION OF THE MACROPHYTE COMMUNITIES RELATED TO NUTRIENT DECREASE AND TEMPERATURE INCREASE IN A FRENCH LARGE RIVER <b>Authors:</b> Geraldine Nogaro, Nina Dagens, Thibaut Feret, Jean-François Fruget, Christian Chauvin	<b>Time/Location:</b> [306] – 16:00 <b>Title:</b> CADDISFLIES, DRAGONFLIES, FISHFLIES & MITTEN CRABS: WHAT DO WE NOW KNOW ABOUT LIFE HISTORY, TAXONOMY, AND FAUNAL PATTERNS? <b>Authors:</b> Patina Mendez, Marilyn Myers, John Wood, John Jackson, Andreas Hoffmann, Alison O'Dowd, Leah Bêche, Deborah Rudnick, Joan Damerow, Matthew Cover	<b>Time/Location:</b> [307] – 16:00 <b>Title:</b> USING IN SITU BACTERIAL COMMUNITIES TO MONITOR CONTAMINANTS IN RIVER SEDIMENTS <b>Authors:</b> Yuwei Xie, Xiaowei Zhang	<b>Time/Location:</b> [308] – 16:00 <b>Title:</b> ECOSYSTEM METABOLISM RESPONSE TO URBAN DEVELOPMENT IN COASTAL CALIFORNIA STREAMS <b>Authors:</b> Heather Frazier, John Melack	<b>Time/Location:</b> [309-310] – 16:00 <b>Title:</b> ASSOCIATIONS BETWEEN STREAM METAL CONTAMINATION AND BAT ACTIVITY IN THE EASTERN COLORADO ROCKIES <b>Authors:</b> Laura Heiker, Holly Rogers, Travis Schmidt, Johanna Kraus, Rick Adams	<b>Time/Location:</b> [311-312] – 16:00 <b>Title:</b> EXPLORING LINKAGES IN HEADWATER FOOD WEBS BEFORE AND AFTER FOREST HARVEST USING STRUCTURAL EQUATION AND MECHANISTIC MODELS <b>Authors:</b> Sherri Johnson, James Larson, Brooke Penaluna, Alba Argerich, Erica Garcia, Christina Murphy, Scott Cooper, Claire Ruffing, Daniel Allen, Jeremy Jones, Matt Whiles	<b>Time/Location:</b> [313] – 16:00 <b>Title:</b> PHARMACEUTICALS AND PERSONAL CARE PRODUCTS AS A THREAT TO RIVERS <b>Authors:</b> Emma Rosi-Marshall, Sylvia Lee, Erinn Richmond, John Kelly, Michael Grace, David Walters, Emily Bernhardt, Alexander Reisinger	<b>Time/Location:</b> [314] – 16:00 <b>Title:</b> QUANTIFYING MACROINVERTEBRATE COMMUNITY RESPONSES TO FLOW AND THERMAL VARIABILITY ASSOCIATED WITH RESERVOIR OPERATIONS <b>Authors:</b> James White	<b>Time/Location:</b> [315] – 16:00 <b>Title:</b> PREDICTING THE PRESENCE OF AN INVASIVE TOXIGENIC ALGAL SPECIES ON A REGIONAL SCALE <b>Authors:</b> Jessica Beyer, Richard M. Zamor, K. David Hambright
<b>Wednesday 16:15</b>	<b>Time/Location:</b> [302-303] – 16:15 <b>Title:</b> CONTRASTING EFFECTS OF FISH PREDATION ON BENTHIC VERSUS EMERGING INSECTS <b>Authors:</b> Jeff Wesner, Jerry Warmbold	<b>Time/Location:</b> [304-305] – 16:15 <b>Title:</b> CHANGES IN LEAF AND COTTON DECOMPOSITION RATES EXPOSED TO DIFFERENT TEMPERATURES IN TROPICAL STREAM MESOCOSMS <b>Authors:</b> Andrea Encalada, Andrea Landeira-Dabarca, Amanda Rugenski, Manuel Graça, Steven Thomas, LeRoy Poff, Alexander Flecker	<b>Time/Location:</b> [306] – 16:15 <b>Title:</b> RESEARCH AND EDUCATION LAY THE GROUNDWORK FOR A PARADIGM SHIFT IN STREAM MANAGEMENT <b>Authors:</b> Raphael D. Mazor, Kevin Lunde		<b>Time/Location:</b> [308] – 16:15 <b>Title:</b> LINKING URBANIZATION TO CHANGES IN RIPARIAN VEGETATION IN A MEDITERRANEAN CLIMATE: CONSEQUENCES FOR ECOSYSTEM FUNCTION IN HEADWATER STREAMS <b>Authors:</b> Joanna Solins, Mary Cadenasso	<b>Time/Location:</b> [309-310] – 16:15 <b>Title:</b> EFFECTS OF SELENIUM AND PESTICIDES ON AQUATIC-TERRESTRIAL RESOURCE SUBSIDIES IN THE PRAIRIE POTHOLE <b>Authors:</b> Brianna Henry, Jake Kerby, Jeff Wesner	<b>Time/Location:</b> [311-312] – 16:15 <b>Title:</b> STREAM COMMUNITY RESPONSES TO RIVER OTTER REINTRODUCTIONS IN ILLINOIS <b>Authors:</b> Angela Holland, Eric Hellgren, Matt Whiles	<b>Time/Location:</b> [313] – 16:15 <b>Title:</b> A COMMON ENGINEERED NANOMATERIAL, NANO-TITANIUM DIOXIDE, IS A POTENTIAL EMERGING THREAT TO RIVER ECOSYSTEMS <b>Authors:</b> John Kelly, Kimberly Gray, Jean-Francois Gaillard, Christopher Peterson, Chu Thi Thanh Binh, Tiezheng Tong, Alexandra Ozaki	<b>Time/Location:</b> [314] – 16:15 <b>Title:</b> RESOLVING THE INFLUENCE OF STREAMFLOW ON ECOLOGICAL PROCESSES IN THE LOWER CEDAR RIVER, WASHINGTON <b>Authors:</b> Christopher Konrad	<b>Time/Location:</b> [315] – 16:15 <b>Title:</b> WHOLE FOOD WEB RESTRUCTURING BY AN ECOSYSTEM DISRUPTIVE ALGAL BLOOM SPECIES <b>Authors:</b> K. David Hambright, David A. Caron, Adriane C. Jones, Brenda Allison Witt, Richard M. Zamor
<b>Wednesday 16:30</b>	<b>Time/Location:</b> [302-303] – 16:30 <b>Title:</b> THE ROLE OF BED SEDIMENT IN NEW ZEALAND FISH COMMUNITY COMPOSITION. <b>Authors:</b> Nicola Glenjarman, Jon Harding	<b>Time/Location:</b> [304-305] – 16:30 <b>Title:</b> THE EFFECT OF WHOLE STREAM WARMING ON ITS INSECT EMERGENCE <b>Authors:</b> Gisli Mar Gislason, Aron Dalin Jonasson	<b>Time/Location:</b> [306] – 16:30 <b>Title:</b> DEFINING POPULATION AND SPECIES BOUNDARIES – WHY THE RESH LAB ENDED UP LOOKING AT GENETICS, DISPERSAL, AND MATING BEHAVIOR <b>Authors:</b> John Jackson, Michael Peterson, Natalie Stauffer-Olsen		<b>Time/Location:</b> [308] – 16:30 <b>Title:</b> CHARACTERIZATION OF DISSOLVED ORGANIC MATTER SOURCES ALONG A MOUNTAIN TO URBAN GRADIENT OF LANDUSE <b>Authors:</b> Julia E Kelso, Michelle Baker	<b>Time/Location:</b> [309-310] – 16:30 <b>Title:</b> RESOURCE SUBSIDIES FROM AFLUVIAL FISH INCREASE STREAM PRODUCTIVITY <b>Authors:</b> Nicholas Jones, Robert Mackereth	<b>Time/Location:</b> [311-312] – 16:30 <b>Title:</b> TOWARDS UNDERSTANDING DRIVERS OF COMMUNITY-LEVEL INVERTEBRATE PRODUCTION USING STRUCTURAL EQUATION MODELING <b>Authors:</b> Wyatt Cross, Daniel Allen, Arthur Benke, Thomas Brey, Alexander Huryn, Jeremy Jones, Daniel McGarvey, Christina Murphy, Christopher Patrick, Claire Ruffing, Parsa Saffarinia, Matt Whiles, Guy Woodward	<b>Time/Location:</b> [313] – 16:30 <b>Title:</b> HOW THREATS TO RIVERS TRIGGER INNOVATION, ACTION AND POLICY <b>Authors:</b> Laura Craig, Erin Singer McCombs	<b>Time/Location:</b> [314] – 16:30 <b>Title:</b> LEGACIES, LAGS, AND SHIFTING BASELINES: ENVIRONMENTAL FLOW RESTORATION IN A CHANGED AND CHANGING WORLD <b>Authors:</b> Ross Thompson, Alison King, Richard Kingsford, Ralph Mac Nally, N. LeRoy Poff	<b>Time/Location:</b> [315] – 16:30 <b>Title:</b> A TERRESTRIAL INVADER, EMERALD ASH BORER (AGRILUS PLANIPENNIS), INFLUENCES STREAM COMMUNITY SPECIES SORTING <b>Authors:</b> Courtney Larson, Jennifer L. Pechal, Deborah McCullough, M. Eric Benbow
<b>Wednesday</b>		<b>Time/Location:</b> [304-305] – 16:45 <b>Title:</b> PREDICTING HOW SHIFTS IN CADDISFLY DISTRIBUTIONS ALONG HYDROPERIOD AND ELEVATIONAL GRADIENTS AFFECT ECOSYSTEM PROCESSES IN SHALLOW HIGH-			<b>Time/Location:</b> [308] – 16:45 <b>Title:</b> DISSOLVED ORGANIC MATTER IN URBAN EPHEMERAL HEADWATERS <b>Authors:</b> Megan Fork, Joanna Blaszcak, Jim Heffernan	<b>Time/Location:</b> [309-310] – 16:45 <b>Title:</b> INFLUENCE OF PACIFIC SALMON SPAWNERS ON STREAM ECOSYSTEMS: WHY CONTEXT MATTERS <b>Authors:</b> Dominic Chaloner, Brandon Gerig, David Janetski, Peter	<b>Time/Location:</b> [311-312] – 16:45 <b>Title:</b> CHALLENGES AND OPPORTUNITIES FOR ADVANCING FOOD WEB THEORY AND ANALYSIS IN STREAM ECOSYSTEMS THROUGH MODELING <b>Authors:</b>		<b>Time/Location:</b> [314] – 16:45 <b>Title:</b> FROM COBBLES TO CAUSATION: TRANSLATING FLOW ECOLOGY RELATIONSHIPS TO MANAGEMENT ACTIONS <b>Authors:</b>	

16:45		ELEVATION PONDS <b>Authors:</b> Scott Wissinger, Susan Washko, Jared Balik, Brad Taylor, Hamish Greig				S. Levi, Ashley Moerke, Richard Rediske, Janine Rüegg, Jennifer Tank, Scott Tiegs, Gary Lamberti	Claire Ruffing, Jeremy Jones, Matt Whiles, Daniel Allen, Kurt Anderson, Alba Argerich, Ana Chara-Serna, Scott Cooper, Wyatt Cross, Nika Galic, Erica Garcia, James Grace, Angela Holland, Sherri Johnson, James Larson, Daniel McGarvey, Christina Murphy, Roger Nisbet, Christopher Patrick, Brooke Penaluna, Parsa Saffarinia		Eric Stein, Jonathan Kennen, J. Angus Webb	
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