

7<sup>th</sup> Biennial Symposium of the Freshwater Mollusk Conservation Society

Platform Sessions

\*student presenters

Platform Session 1A: State and Regional Management of Mollusks I Tuesday (04/12) 9:20-10:40 am - <i>Moderator: Janet Clayton, West Virginia DNR, Elkins, WV</i>		Platform Session 1B: Systems and Community Ecology Tuesday (04/12) 9:20 -10:40 am - <i>Moderator: Caryn Vaughn, University of Oklahoma, Norman, OK</i>	
PL 01 9:20-9:40	<b>DEVELOPMENT OF A STRATEGIC HABITAT PLAN FOR THE MOBILE RIVER BASIN.</b> <u>J. Powell</u> , P. O'Neil, P. Hartfield, P. Johnson, and A. Jenkins	PL 05 9:20-9:40	<b>STATUS SURVEYS OF IMPERILED MOLLUSKS IN THE ALABAMA RIVER DRAINAGE.</b> <u>M. Buntin</u> , J. Garner, T. Fobian, and P. Johnson
PL 02 9:40-10:00	<b>FRESHWATER MOLLUSK POPULATION RESTORATION PLANS FOR THE CUMBERLANDIAN REGION AND MOBILE BASIN: GOALS, OBJECTIVES AND POLICY ISSUES.</b> <u>S. Ahlstedt</u> , P. Johnson, R. Butler, P. Hartfield, and J. Powell	PL 06* 9:40-10:00	<b>MUSSEL BIODIVERSITY INCREASES PREY SUBSIDES TO TERRESTRIAL ECOSYSTEMS.</b> <u>D. C. Allen</u> and Caryn Vaughn
PL 03 10:00-10:20	<b>FRESHWATER MOLLUSK POPULATION RESTORATION PLANS FOR THE CUMBERLANDIAN REGION AND MOBILE BASIN: SPECIES ACCOUNTS AND CONSERVATION PRIORITIES.</b> <u>P. Johnson</u> , R. Butler, P. Hartfield, S. Ahlstedt, and J. Powell	PL 07* 10:00-10:20	<b>ASSESSING HABITAT SUITABILITY FOR NATIVE FRESHWATER MUSSELS ALONG LAKE ERIE'S COAST.</b> <u>T. Prescott</u> , R. Krebs, and D. Klarar
PL 04 10:20-10:40	<b>HOW A STATE-WIDE STREAM SURVEY CAN AID IN UNDERSTANDING FRESHWATER MUSSEL (BIVALVIA: UNIONIDAE) ECOLOGY: EXAMPLES OF UTILITY AND LIMITATIONS FROM MARYLAND.</b> <u>M.J. Ashton</u>	PL 08* 10:20-10:40	<b>MODELING THE DISTRIBUTION AND DIVERSITY OF SOUTHEAST LOUISIANA FRESHWATER MUSSELS.</b> <u>W.M. Daniel</u> , K.M. Brown, M. Kaller, and W. Kelso

Platform Session 2A: Evolution and Systematics I Tuesday (04/12) 11:00 am -12:20 pm - <i>Moderator: David Hayes, Eastern Kentucky University, Richmond, KY</i>		Platform Session 2B: Advances in Propagation I Tuesday (04/12) 11:00-12:20 pm - <i>Moderator: Nathan Eckert, US Fish and Wildlife Service, Genoa, WI</i>	
PL 09 11:00-11:20	<b>GENETIC STRUCTURE AND INTRASPECIFIC PHYLOGEOGRAPHY OF THE SHEEPNOSE MUSSEL (PLETHOBASUS CYPHYUS).</b> <u>K. J. Roe</u>	PL 13* 11:00-11:20	<b>SHREDDING INSECTS' POTENTIAL CONTRIBUTION TO FRESHWATER MUSSEL NUTRITION.</b> <u>R. Greiner</u> , J. Levine, C. Osborne, T. Kwak, A. Bogan, and D. Buchwalter
PL 10* 11:20-11:40	<b>CONSERVATION AND SYSTEMATICS OF <i>LEPTOXIS</i> (GASTROPODA: PLEUROCERIDAE).</b> <u>N.V. Whelan</u> , P. Harris, and P.D. Johnson	PL 14* 11:20-11:40	<b>THE USE OF FISH CELLS AS A SUPPLEMENTAL FORM OF NUTRITION FOR IN VITRO PROPAGATION OF FRESHWATER MUSSELS.</b> <u>T.R. Fox and J.F. Levine</u>
PL 11* 11:40-12:00	<b>THE GEOGRAPHIC GENETIC STRUCTURE OF QUADRULA QUADRULA (BIVALVIA: UNIONIDAE): POST-GLACIAL COLONIZATION OF THE GREAT LAKES BASIN.</b> <u>P.T. Mathias</u> , D.T. Zanatta, and C.C. Wilson	PL 15* 11:40-12:00	<b>GENETIC VARIABILITY IN FOUR WILD AND TWO FARMED STOCKS OF THE CHINESE FRESHWATER PEARL MUSSEL (HYRIOPSIS CUMINGII) ESTIMATED BY MICROSATELLITE DNA MARKERS.</b> J. L. Li, G. <u>L. Wang</u> , and Z. Y. Bai

PL 12* 12:00-12:20	<b>PHYLOGEOGRAPHY OF THE ROUND PEARLSHELL, GLEBULA ROTUNDATA (Lamarck, 1819) (BIVALVIA:UNIONIDAE).</b> <u>N.A. Johnson</u> , J.D. Williams, and J.D. Austin	PL 16* 12:00-12:20	<b>PICKING APART THE IMPORTANCE OF PARTICULAR PARTICLES FOR PROPAGATION OF MUSSELS.</b> <u>A.T. McDonald</u> , J.J. Culp, A. Shepard, F. Vorisek, and M. McGregor
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<b>Platform Session 3A: State and Regional Management of Mollusks II</b> Tuesday (04/12) 1:55 - 3:35 pm - <i>Moderator: Teresa Newton, US Geological Survey, LaCrosse, WI</i>		<b>Platform Session 3B: Physiology and Reproductive Biology I</b> Tuesday (04/12) 1:55 - 3:35 pm - <i>Moderator: Tom Watters, Ohio State University, Columbus, OH</i>	
PL 17 1:55 -2:15	<b>UNDERSTAFFED AND OVERTASKED TENNESSEE'S APPROACH TO MUSSEL MANAGEMENT.</b> <u>D. Hubbs</u>	PL 22* 1:55-2:15	<b>DESCRIPTION OF GONAD DEVELOPMENT IN A PLEURO CERID SNAIL, LEPTOXIS CARINATA, USING MORPHOLOGICAL AND HISTOLOGICAL TECHNIQUES.</b> <u>S. Ciparis</u> , W. Henley, and J. R. Voshell
PL 18 2:15-2:35	<b>CUMBERLAND RIVER AQUATIC CENTER A COOPERATIVE DEVELOPMENT BY TWRA, USACE, TVA, AND USFWS.</b> <u>D. Sims</u> and D. Hubbs	PL 23* 2:15-2:35	<b>ESTABLISHMENT OF BASELINE SEASONAL HEMOLYMPH CHEMISTRY PARAMETERS.</b> <u>A.K. Fritts</u> and R.B. Bringolf
PL 19 2:35-2:55	<b>MUSSEL MANAGEMENT IN PENNSYLVANIA: WHERE WE ARE AND WHERE WE ARE GOING.</b> <u>N.T. Welte</u> and C.A. Urban	PL 24* 2:35-2:55	<b>FERTILIZATION EFFICIENCY OF LAMPSILIS STRAMINEA IN RELATION TO DISTANCE AND WATER FLOW.</b> <u>T.L. Mosley</u> , W.R. Haag, and J.A. Stoekel
PL 20 2:55-3:15	<b>A MITIGATION ALTERNATIVE TO NATIVE MUSSEL RELOCATION: PUTTING BRIDGES TO WORK FOR MUSSELS.</b> <u>M. Davis</u> , R. Baker, B. Sietman, P. Leete, and J. Alcott	PL 25* 2:55-3:15	<b>INFLUENCE OF SESTON DENSITY ON FRESHWATER MUSSEL GROWTH AND FERTILIZATION SUCCESS.</b> <u>A.M. Gascho Landis</u> , W.R. Haag, and J.A. Stoekel
PL 21 3:15-3:35	<b>CONSERVATION AND MANAGEMENT OF MUSSELS IN MISSOURI.</b> <u>S.E. McMurray</u>	PL 26* 3:15-3:35	<b>H-NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY FOR EVALUATING CATABOLISM IN ELLIPTIO COMPLANATA.</b> <u>J. Hurley-Sanders</u> , J. Levine, A. Tikunov, J. McDonald, S. Nelson, M. Law, W. Showers, and M. Stoskopf

<b>Platform Session 4A: State and Regional Management of Mollusks III</b> Tuesday (04/12) 3:55 - 5:55 pm - <i>Moderator: Christopher Owen, Kentucky State University, Frankfort, KY</i>		<b>Platform Session 4B: Systems and Community Ecology II</b> Tuesday (04/12) 3:55 - 5:55 pm - <i>Moderator: Todd Levine, Murray State University, Murray, KY</i>	
PL 27 3:55-4:15	<b>LANDSCAPE CONSERVATION COOPERATIVES: A PLATFORM FOR REGIONAL CONSERVATION OF FRESHWATER MOLLUSKS.</b> <u>R. Muir</u>	PL 33 3:55-4:15	<b>DREISSENA-INDUCED CHANGES IN UNIONID COMMUNITIES OF LAKE ST. CLAIR AND THE ST. CLAIR DELTA.</b> <u>D.T. Zanatta</u> , and M.T. Rowe
PL 28 4:15-4:35	<b>PROTECTING AND RESTORING FRESHWATER MUSSELS IN WEST VIRGINIA.</b> <u>J.L. Clayton</u> and C.W. Stihler	PL 34 4:15-4:35	<b>PATTERNS OF FRESHWATER MUSSEL RICHNESS AND ENDEMISM IN AFRICA AND MADAGASCAR.</b> <u>D.L. Graf</u> , and K.S. Cummings

PL 29 4:35-4:55	<b>USING MUSSEL RELOCATIONS AT BRIDGE SITES TO ADVANCE REGIONAL MUSSEL CONSERVATION.</b> <u>P.A. Morrison</u> and C.M. Gatenby	PL 35 4:35-4:55	<b>DAM REMOVAL AND FRESHWATER MUSSEL ASSEMBLAGES IN A HIGHLY URBANIZED OHIO STREAM.</b> <u>W.C. Fleece</u> , J.K Kiser, and M.A. Hoggarth
PL 30 4:55-5:15	<b>APPALACHIAN ELKTOE RELOCATION ASSOCIATED WITH A DAM REMOVAL PROJECT IN WESTERN NORTH CAROLINA.</b> <u>J.M. Alderman</u> and J.D. Alderman	PL 36 4:55-5:15	<b>Random Large River Mussel Sampling Protocol.</b> <u>R. Spear</u> , D. Counahan, and T. Jones
PL 31 5:15-5:35	<b>SEARCHING FOR STREAM BOOTY: SUMMARY OF A STATEWIDE MUSSEL SURVEY IN ILLINOIS.</b> <u>S.A. Bales</u> , A.L. Price, and D.K. Shasteen	PL 37 5:15-5:35	<b>KNOWN KNOWNS AND KNOWN UNKNOWNNS: WHAT DO WE REALLY KNOW?</b> <u>J.M. Wisniewski</u> , J.T. Peterson, S.Abbott, C.P. Shea, and C. Stringfellow
PL 32 5:35-5:55	<b>A PRELIMINARY ANALYSIS OF DETECTABILITY OF FRESHWATER MUSSEL SPECIES USING TIMED SEARCH DATA FROM WADEABLE STREAMS OF ILLINOIS.</b> <u>A.L. Price</u> , S.A. Bales, D.K. Shasteen, and K.W. Stodola	PL 38 5:35-5:55	<b>A Multidisciplinary Investigation of Natural and Anthropogenic Factors Affecting Clinch River Mollusk Assemblages.</b> <u>B. Ostby</u> , J. Krstolic, and G. Johnson

<b>Platform Session 5A: Habitat Restoration and Assessment I</b> <b>Wednesday (04/13) 8:00-9:40 am -</b> <i>Moderator: Rachel Muir, US Geological Survey, Reston, VA</i>		<b>Platform Session 5B: Life History and Population Ecology I</b> <b>Wednesday (04/13) 8:00-9:40 am -</b> <i>Moderator: Cassandra Hauswald, The Nature Conservancy, Laconia, IN</i>	
PL 39 8:00-8:20	<b>AQUATIC CHEMISTRY ARCHIVES FROM FRESHWATER MUSSEL SHELL GEOCHEMISTRY.</b> <u>D.H. Goodwin</u> , D.P Gillikin, and G.T. Watters	PL 44* 8:00-8:20	<b>GRAVIDITY, FECUNDITY, AND HOST FISHES OF THE BARRENS HEELSPLITTER (LASMIGONA SP.).</b> <u>S.D. Barton</u> and J.B. Layzer
PL 40 8:20-8:40	<b>OCCURRENCE OF DISTURBANCE RINGS IN FRESHWATER MUSSEL SHELLS.</b> <u>A.L. Rypel</u> and W.R. Haag	PL 45* 8:20-8:40	<b>HOST FISHES AND CONSERVATION STATUS OF ALASMIDONTA MARGINATA (MOLLUSCA: BIVALVIA) IN MINNESOTA.</b> <u>K.H. Bloodsworth</u> , B.R. Bosman, B.E. Sietman, M.C. Hove, and J.M. Davis
PL 41 8:40-9:00	<b>FRESHWATER MUSSEL SHELL AND THE RECONSTRUCTION OF PRE-HUMAN IMPACT RIVERINE ENVIRONMENTS: A SURVEY OF STABLE ISOTOPE TECHNIQUES.</b> <u>D.L. Dettman</u>	PL 46* 8:40-9:00	<b>POPULATION CHARACTERISTICS OF AN EXPANDING POPULATION OF THE ROUND HICKORYNUT, OBOVARIA SUBROTUNDA (BIVALVIA: UNIONIDAE) IN THE DUCK RIVER, TENNESSEE.</b> <u>C. Ehlo</u> and J.B. Layzer
PL 42 9:00-9:20	<b>MODELS OF UNIONID DISTRIBUTION AND ABUNDANCE IN A REACH OF THE UPPER MISSISSIPPI RIVER.</b> <u>S.J. Zigler</u> , T.J. Newton, and D. Olson	PL 47* 9:00-9:20	<b>BYSSUS PRODUCTION IN FRESHWATER MUSSELS (UNIONOIDEA).</b> <u>M.E. Bradley</u> , and M.C. Barnhart
PL 43 9:20-9:40	<b>FRESHWATER MOLLUSK MANAGEMENT IN NORTH CAROLINA.</b> <u>S.J. Fraley</u> , R.J. Heise, and R.B. Nichols	PL 48* 9:20-9:40	<b>EFFECTS OF TEMPERATURE AND PHOTOPERIOD ON LURE DISPLAY AND GLOCHIDIAL RELEASE IN LIGUMIA SUBROSTRATA.</b> <u>A.M. Gascho Landis</u> , T.L. Mosley, W.R. Haag, and J.A. Stoeckel

<b>Platform Session 6A: Systems and Community Ecology III</b> <b>Wednesday (04/13) 10:00-11:40 am -</b> <i>Moderator: Patricia Morrison, US Fish and Wildlife Service, Williamstown, WV</i>		<b>Platform Session 6B: Life History and Population Ecology II</b> <b>Wednesday (04/13) 10:00-11:40 am -</b> <i>Moderator: Michael Gangloff, Appalachian State University, Boone, NC</i>	
PL 49 10:00-10:20	<b>BIOGEOGRAPHY AND CONSERVATION OF FRESHWATER MUSSELS (BIVALVIA: UNIONIDAE): DRIVERS OF DIVERSITY AND THREATS.</b> <u>L.E. Burlakova</u> , A.Y. Karatayev, V.A. Karatayev, M.E. May, D.L. Bennett, and M.J. Cook	PL 54 10:00-10:20	<b>LIFE HISTORY AND CONSERVATION OF ELLIPTIO CRASSIDENS FROM THE BLUE RIVER, INDIANA.</b> <u>C.L. Hauswald</u>
PL 50* 10:20-10:40	<b>ALTERATION OF NUTRIENT DYNAMICS BY UNIONID MUSSELS.</b> <u>C.L. Atkinson</u> and C.C. Vaughn	PL 55* 10:20-10:40	<b>THE ROUND GOBY, NEOGOBIUS MELANOSTOMUS, AS A HOST FOR UNIONID SPECIES AT RISK.</b> <u>M. Tremblay</u> , T.J. Morris, and J.D. Ackerman
PL 51 10:40-11:00	<b>Relocated unionid survival, 15 years later, Wolf River, Wisconsin.</b> <u>H.L. Dunn</u>	PL 56 10:40-11:00	<b>DAILY, SEASONAL, AND ANNUAL PATTERNS OF UNIONID BURROWING BEHAVIOUR WITH EMPHASIS ON SPECIES AT RISK.</b> <u>T.J. Morris</u> , V. Minke-Martin, A. Robinson, and I. Sagan
PL 52 11:00-11:20	<b>USING ENTIRE MOLLUSCAN COMMUNITIES (EVEN THE LIMPETS!) TO PREDICT HABITAT TYPE.</b> <u>D.A. Woolnough</u> , D. Kuipers, D. Auer, and D.T. Zanatta	PL 57 11:00-11:20	<b>PRELIMINARY RESULTS OF MANIPULATIVE EXPERIMENTS OF MUSSEL RECRUITMENT IN PONDS.</b> <u>W.R. Haag</u> and J.A. Stoeckel
PL 53 11:20-11:40	<b>HISTORICAL AND MODERN LANDSCAPE USE IN THE SOUTHEAST PIEDMONT, THE ONE-TWO PUNCH LEADING TO PROBABLE CAROLINA HEELSPLITTER EXTINCTION.</b> <u>J.M. Alderman</u> and J.D. Alderman	PL 58 11:20-11:40	<b>DO UNIONID MUSSEL LIFE HISTORIES DIFFER BETWEEN HEADWATER STREAMS AND LARGE RIVERS? DATA FROM LOUISIANA RIVERS.</b> <u>K.M. Brown</u> , W. Daniel, and G. Taylor

<b>Platform Session 7A: Physiology and Reproductive Biology II</b> <b>Wednesday (04/13) 1:15 - 3:15 pm -</b> <i>Moderator: Kendell Moles, Tennessee Tech University, Cookeville, TN</i>		<b>Platform Session 7B: Water Quality and Ecotoxicology</b> <b>Wednesday (04/13) 1:15 - 3:15 pm -</b> <i>Moderator: Ryan Evans, KY Divison of Water, Frankfort, KY</i>	
PL 59 1:15-1:35	<b>METABOLIC SCALING IN UNIONIDS: A REVIEW.</b> <u>J. Kovatch</u>	PL 65 1:15-1:35	<b>AN ASSESSMENT OF FRESHWATER MUSSEL POPULATIONS AND HEAVY METAL SEDIMENT CONTAMINATION IN THE LEAD MININGIMPACTED BIG RIVER, MISSOURI.</b> A.D. Roberts, D. Mosby, J. Weber, J. Besser, J. Hundley, <u>S.E. McMurray</u> , and J. Besser
PL 60 1:35-1:55	<b>VETERINARY AND ENVIRONMENTAL TOOLS FOR UNIONID AND ECOSYSTEM HEALTH ASSESSMENT.</b> <u>J.F. Levine</u> , J.P. Bucci, F.M. Holliman, C.B. Eads	PL 66 1:35-1:55	<b>IS GLOCHIDIA VIABILITY ACCURATELY DETERMINED BY NACL EXPOSURE?</b> <u>R.B. Bringolf</u> , A.K. Fritts, M.C. Barnhart, and W.G. Cope
PL 61 1:55-2:15	<b>REPRODUCTIVE SEASONALITY AND ANNUAL FECUNDITY IN ARCIDENS CONFRAGOSUS (UNIONIDAE: UNIONINAE: ANODONTINI) FROM TENNESSEE RIVER, ALABAMA.</b> T.M. Haggerty, <u>J.T. Garner</u> , and A.E. Crews	PL 67 1:55-2:15	<b>EFFECTS OF COAL IN SUBSTRATE ON ORGAN TISSUES OF VILLOSA IRIS.</b> <u>W.F. Henley</u>
PL 62 2:15-2:35	<b>INVESTIGATIONS INTO THE MATING SYSTEM OF A FRESHWATER MUSSEL, VILLOSA LIENOSA.</b> <u>J. Stoeckel</u> , A. Gascho-Landis, T. Mosley, N. Rankin, and G. Moyer	PL 68 2:15-2:35	<b>NUTRIENTS AND MUSSELS: FACTORS INFLUENCING MUSSEL DISTRIBUTION IN ILLINOIS.</b> <u>D. Shasteen</u> , A. Price, and S.A. Bales
PL 63 2:35-2:55	<b>SPERM BALLS AND HOW TO EXPLODE THEM.</b> <u>G.T. Watters</u>	PL 69 2:35-2:55	<b>POTENTIAL HEALTH HAZARDS ASSOCIATED WITH BEING AN AQUATIC BIOLOGIST.</b> <u>J.F. Levine</u>

PL 64 2:55-3:15	<b>LONG TERM MONITORING OF HEMOLYMPH PARAMETERS IN FRESHWATER MUSSELS IN CAPTIVITY.</b> <u>B.A. Wolfe</u> , H. Valentine, M.J. Burkhard, S. Leavell, K. Kuehnl, P. Bapodra, and G.T. Watters	PL 70 2:55-3:15	<b>OPEN</b>
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<b>Platform Session 8A: Evolution and Systematics II</b> <b>Wednesday (04/13) 3:35-4:55 pm -</b> <i>Moderator: Kevin Roe, Iowa State University, Ames, IA</i>		<b>Platform Session 8B: Advances in Propagation II</b> <b>Wednesday (04/13) 3:35-4:55 pm -</b> <i>Moderator: Ben Davis, KY Dept of Fish and Wildlife Resources, Frankfort, KY</i>	
PL 71 3:35-3:55	<b>NORTH AMERICAN FRESHWATER LIMPETS.</b> <u>J.B. Burch</u> , D. O'Foigil, P. Johnson, and A. Walther	PL 75 3:35-3:55	<b>PROPAGATION AND CULTURE OF TWO FEDERALLY ENDANGERED FRESHWATER MUSSEL SPECIES IN NORTH CAROLINA.</b> <u>C.B.C Eads</u> , and J.F. Levine
PL 72 3:55-4:15	<b>RESURRECTION OF UTTERBACKIANA FRIERSON, 1927 FOR A CLADE OF EASTERN NORTH AMERICAN FRESHWATER MUSSEL SPECIES (MOLLUSCA: BIVALVIA: UNIONIDAE: UNIONINAE: ANODONTINI).</b> <u>A.E. Bogan</u> , J.T. Garner, J.D. Williams, N. Johnson, B.S. McLean, K. Mock, and M. Raley	PL 76 3:55-4:15	<b>ADAPTIVE MUSSEL CULTIVATION: GROWING BIGGER AND BETTER MUSSELS AT VIRGINIA'S AQUATIC WILDLIFE CONSERVATION CENTER.</b> <u>A.E. Duncan</u> , J.J. Ferraro, J.E. Orr, and M.J. Pinder
PL 73 4:15-4:35	<b>PROGRESS TOWARD A COMPREHENSIVE AND ANNOTATED ILLUSTRATED CATALOGUE OF PLEUROCERIDAE PRIMARY TYPES.</b> <u>J.T. Garner</u> , E.E. Strong, A.E. Bogan, T.A. Tarpley, and P.D. Johnson	PL 77 4:15-4:35	<b>RECENT PROJECTS AND PROGRESS OF THE MUSSEL PROPAGATION PROGRAM AT THE GENOA NATIONAL FISH HATCHERY.</b> <u>N.L. Eckert</u> , and J.T. Buening
PL 74 4:35-4:55	<b>THE COLLECTION OF MOLLUSKS AT CINCINNATI MUSEUM CENTER, OHIO- A VALUABLE RESOURCE FOR SYSTEMATIC AND DISTRIBUTIONAL STUDIES OF FRESHWATER MOLLUSCA.</b> F.J. Borrero and <u>C. Fleece</u>	PL 78 4:35-4:55	<b>PROPAGATION OF FRESHWATER MUSSELS IN THE LOW MOUNTAIN RANGE OF THE ARDENNES IN LUXEMBOURG.</b> <u>F. Thielen</u> , T. Eybe, T. Muller, M. Molitor, and A. Arendt

<b>Platform Session 9A: Life History and Population Ecology III</b> <b>Thursday (04/14) 8:30-9:50 am -</b> <i>Moderator: Robert Bringolf, University of Georgia, Athens, GA</i>		<b>Platform Session 9B: Habitat Restoration and Assessment II</b> <b>Thursday (04/14) 8:30-9:50 am -</b> <i>Moderator: Wisconsin Dept of Natural Resources, Madison, WI</i>	
PL 79 8:30-8:50	<b>USING LIFE HISTORY TO PREDICT THE SENSITIVITY OF FRESHWATER UNIONID MUSSEL POPULATIONS TO HUMAN INDUCED PERTURBATIONS.</b> J.A.M. Young, M.A. Koops, and <u>T.J. Morris</u>	PL 83 8:30-8:50	<b>SIDE SCAN SONAR SURVEY TO ASSIST IN DEFINING AREAS OF UNSUITABLE MUSSEL HABITAT IN LARGE RIVER SYSTEMS.</b> <u>C. Fortenbery</u> and P. Hahs
PL 80 8:50-9:10	<b>RESPONSE OF NATIVE MUSSELS TO WATER LEVEL MANIPULATION IN THE UPPER MISSISSIPPI RIVER.</b> <u>T. Newton</u> , S. Zigler, R. Kennedy, A. Hunt, M. Davis, and P. Ries	PL 84 8:50-9:10	<b>LONG-TERM QUANTITATIVE MONITORING OF THE MUSSEL COMMUNITY IN THE TENNESSEE RIVER IN ASSOCIATION WITH CONSTRUCTION AND OPERATION OF A NAVIGATION LOCK ADDITION AT KENTUCKY LOCK AND DAM.</b> <u>R. Tippit</u>
PL 81 9:10-9:30	<b>LIFE HISTORY TRAITS PREDICT LOCAL COLONIZATION AND EXTINCTION OF FRESHWATER MUSSELS.</b> <u>C.C. Vaughn</u>	PL 85 9:10-9:30	<b>HYDROGRAPHIC SURVEY TO DETERMINE RELATIONSHIPS OF BOTTOM ELEVATION CHANGES AND MUSSEL DENSITY IN THE KENTUCKY DAM TAILWATER.</b> <u>J. Sickel</u> , P. Hahs, C. Lewis, C. Fortenbery, and R. Tippit
PL 82 9:30-9:50	<b>FRESHWATER MUSSELS OF FLORIDA PROJECT.</b> <u>J.D. Williams</u> , G.L. Warren, and R.S. Butler	PL 86 9:30-9:50	<b>PROTECTION AND RESTORATION EFFORTS IN THE PAINT ROCK RIVER.</b> <u>P. Freeman</u> , T. George, P. Johnson, M. Buntin, T. Fobian

<b>Platform Session 10A: Evolution and Systematics III</b> <b>Thursday (04/14) 10:10 am-11:30 pm -</b> <i>Moderator: David Zanatta, Central Michigan University, Mount Pleasant, MI</i>		<b>Platform Session 10B: Habitat Restoration and Assessment III</b> <b>Thursday (04/14) 10:10 am-11:30 pm -</b> <i>Moderator: Sue Bruenderman, KY Division of Water, Frankfort, KY</i>	
PL 87 10:10-10:30	<b>ELLIPTIO LANCEOLATA – WHAT THE HECK IS IT AND WHERE DOES IT OCCUR IN VIRGINIA?</b> <u>B.T. Watson</u> , A.E. Bogan, and M.E. Raley	PL 91 10:10-10:30	<b>HABITAT RELATIONSHIPS AND MOVEMENT OF ENDANGERED FAT THREERIDGE (AMBLEMA NEISLERII) IN THE APALACHICOLA AND LOWER CHIPOLA RIVERS, FL.</b> <u>M.M. Gangloff</u> , K.J. Herrington, S.C. Pursifull, and B. Zettle
PL 88 10:30-10:50	<b>ROBUST SHELL PHENOTYPE IS A LOCAL RESPONSE TO STREAM SIZE IN THE GENUS PLEUROCERA.</b> <u>R.T. Dillion Jr.</u>	PL 92 10:30-10:50	<b>EXTIRPATION AND RECOLONIZATION OF FRESHWATER MUSSELS IN THE MINNESOTA AND MISSISSIPPI RIVERS.</b> <u>N.K. Ward</u> , B.E. Sietman, and J.M. Davis
PL 89 10:50-11:10	<b>GENETIC STRUCTURE AT A SMALL GEOGRAPHIC SCALE: ELLIPTIO COMPLANATA, ALONG A PORTION OF THE ATLANTIC SLOPE DRAINAGE.</b> <u>C.L. Elderkin</u>	PL 93 10:50-11:10	<b>IS STREAM RESTORATION (SPECIFICALLY FLOODPLAIN RECONNECTION) A VALID MITIGATION TOOL IN THE CAROLINA PIEDMONT?</b> <u>J.M. Alderman</u>
PL 90 11:10-11:30	<b>OPEN</b>	PL 94 11:10-11:30	<b>MAXIMUM ENTROPY HABITAT MODELING OF FOUR ENDANGERED MUSSELS IN THE OHIO RIVER BASIN, USA.</b> <u>T.C. Weber</u> and M. Schwartz