

**2014 Joint Meeting of Ichthyologists and Herpetologists (JMIH), Chattanooga, TN**  
**POSTER PRESENTATIONS SCHEDULE AT A GLANCE**  
**FRIDAY, 1 August, POSTER SESSION I**  
**Exhibit Hall C & D**

POSTER #	Abstract #	Presenter	Title
1	227	SI - Joshua Hittie*, Mark Wilson, Terry Grande	Development of Patterns of Branching in Caudal Fin Rays of Northern Pike ( <i>Esox lucius</i> ) Based on Growth Series of Cleared and Stained Specimens
2	556	SI - Kole Kubicek*, Rafael Garcia, Carlos González, Kevin Conway	Early Development of the Mexican Snook, <i>Centropomus poeyi</i> (Teleostei: Centropomidae)
3	540	SI - Kristin Kopperud*, Michael Grace	Temporal Changes in Retinal Architecture of the Atlantic Tarpon, <i>Megalops atlanticus</i>
4	715	SI - MaryKate Swenarton*, Eric Johnson, Jim Gelsleichter	Lionfish ( <i>Pterois</i> spp.) Population Structure and Size at Maturity in Eastern Florida Waters
5	759	SI - Emily Meese*, Christopher Lowe	Spatial Distribution, Habitat Selection, and Effects of Temperature on Benthic Elasmobranch Species at Big Fisherman's Cove, Santa Catalina Island, CA
6	143	SI - Stephanie Benseman*, Larry Allen	Distribution and Growth Estimates of Young-of-the-Year Giant Sea Bass, <i>Stereolepis gigas</i> , off Southern California
7	577	SI - Lynne Wetmore*, Jay Rooker, William Heyman	Otolith Stable Isotopes as a Natural Marker Quantifying Relative Contribution of Inner- and Outer-Shelf Nurseries for Juvenile Snappers in Belize
8	399	SI - Erica Rottmann*, Kyle Piller	Revealing What Lies Beneath: Utilizing Environmental DNA (eDNA) to Detect Rare Fishes in Louisiana
9	417	SI - Luke Bower*, Kyle Piller	Spatial and Temporal Resource Utilization by a Gulf Coast Stream Fish Assemblage
10	413	SI - Kimberly Foster*, Luke M. Bower, Kyle R. Piller	Getting in Shape: Habitat-based Body Shape Divergence for Two Sympatric Fishes
11	462	SI - Pamela Hart*, Jonathan Armbruster	Morphological Variation Among Southern Cavefish ( <i>Typhlichthys subterraneus</i> ) Lineages in Alabama
12	473	SI - Tyler Chafin*, Whitney Anthony, Marlis Douglas, Michael Douglas	Riverscape Genetics of Roundtail Chub in the Upper Colorado Basin
13	189	SI - Luke Etchison*, Mark Pyron	GIS Analysis of River Habitat and Fish Assemblage Structure
14	480	SI - Anthony Rodger*, Corey Krabbenhoft, Kirk Winemiller	Intra-annual Flow Variation and its Impact on Larval Fish Abundance in two Texas Gulf Coast Rivers
15	687	SI - Keith Ray*, Jonathan Armbruster	Phylogeography of Longnose Dace, <i>Rhinichthys cataractae</i> (Cypriniformes: Cyprinidae), in the Southern Appalachian Mountains
16	489	SI - Ryan Thoni, Ninon Martinez*, Richard Mayden	Diversification of Gila (Cypriniformes: Cyprinidae) in Western Mexico, with the Description of a New Species.
17	720	SI - Ryan Thoni	Morphological Variation and Diversity Within the <i>Catostomus plebeius</i> Complex (Cypriniformes, Catostomidae) in Mexico
18	81	SI - Qiu Ren	Comparative Phylogenetics of the Asian genus "Puntius" and relatives (Cypriniformes: Cyprinidae): Explorations into the potential impacts of taxon and character sampling
19	135	SI - Erika R. Krahl*, Malorie M. Hayes, David C. Werneke, et al	Genetic Structure and Dispersal Potential of the <i>Pteronotropis euryzonus</i> (Suttkus, 1955)
20	293	SI - Bruce Stallsmith, Joshua Mann*	Reproductive Characteristics of Four Cyprinid Species in One River
21	395	SI - Jessica Sanchez*, Joel Trexler	Studying the Evolution of Herbivory Using the Sailfin Molly, <i>Poecilia latipinna</i>
22	165	SH - Michelle E. Thompson*, A. Justin Nowakowski, Maureen A. Donnelly	Amphibians and Reptiles in Changing Landscapes
23	518	SH - Helen Plylar*, Clifford Fontenot Jr.	Visual Accommodation in Semi-aquatic Colubrid Snakes: A Photorefractive Study of Defocus and Refractive State
24	619	SH - Lauren Hall*, Bruce Kingsbury	Basking Platforms and Wildlife Cameras as Novel Monitoring Techniques for Aquatic Reptiles
25	663	SH - Sarah Green*, Felisa Hseih, Alex Pyron	Ecomorphotypes of Snakes: Preliminary Results of a Global Analysis
26	713	SH - Alyssa Hoekstra*, Vincent Cobb	Does "One Size Fits All" Apply to Snake Body Temperature Sampling Rates?
27	755	SH - Bradley T. Martin*, Isaac M. Hemby, Larrimy B. Brown, John S. Placyk, Jr.	Molecular Phylogenetics of the Ribbonsnakes ( <i>Thamnophis proximus</i> and <i>T. sauritus</i> )
28	86	SH - W. David Weber*, Nicola Anthony, Trent Santonastaso, Gabriel Fiorini	Multiplexing of A. Carolinensis Microsatellite Loci for Cross Species Amplification
29	161	SH - Alyssa Bangs	Thermal Ecology of Northern Fence Lizard ( <i>Sceloporus undulatus hyacinthinus</i> ) Populations in Two Thermally Different Habitats.
30	735	SH - Andrew Buckelew*, Daniel Warner	Temporal Changes in Food Availability Affect Reproductive Allocation in the Lizard <i>Anolis sagrei</i>

SI = ASIH Storer Ichthyology

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POSTER #	Abstract #	Presenter	Title
31	251	SH - Allison Bronson*, Adam Cummings, John Reiss	Structure of the Olfactory Epithelium in <i>Taricha granulosa</i> , the Rough-Skinned Newt
32	312	SH - Carl Hutter*, Shea Lambert	The Exceptional Frog Diversity of Ranomafana National Park, Madagascar
33	459	SH - Katherine O'Donnell*, Frank Thompson, Raymond Semlitsch	Evaluating Effects of Prescribed Fire and Timber Harvest on <i>Plethodon serratus</i> in Southeast Missouri
34	517	SH - Emily Stulik*, Bruce Kingsbury	Modeling Anuran Occupancy and Habitat Use in a System of Restored Wetlands
35	675	SH - Amanda Curtis*, Gabriela Bidart-Bouzat	Is the Solution Worse Than the Problem? Examining the Effects of the Invasive Plant <i>Myriophyllum spicatum</i> and the Herbicide Triclopyr on <i>Lithobates pipiens</i> Tadpole Growth, Morphology and Survival
36	634	SH - Jacob Burkhart*, Christopher Shulse, Raymond Semlitsch	Larval Abundance as a Predictor of Total Metamorph Production for Pond-Breeding Amphibians
37	665	PM - Mingna Zhuang*, Timothy E. Higham	Foot Use During Arboreal Locomotion in the Giant Day Gecko ( <i>Phelsuma madagascariensis</i> )
38	629	PM - Jonathan Clinger*, Kevin Gribbins, Stanley Trauth, Cady Gannon	The Ultrastructure of Spermatid Development within the Anole, <i>Anolis sagrei</i>
39	771	PM - Dustin Owen*, Matthew Holding, Emily Taylor, Chris Gienger	A Comparison of Commonly Applied Body Condition Indices in Snakes
40	552	PM - Krista Mougey*, Gad Perry	Thermal Ecology and Locomotor Performance of the Critically Endangered Stout Iguana ( <i>Cyclura pinguis</i> )
41	598	PM - Madeline Michels-Boyce*, Peter Zani	Does Winter Temperature Tolerance of Side-Blotched Lizards Increase with Latitude?
42	177	PM - Stanislaw A. Warcholek*, Joseph R. Milanovich, Stanley E. Trauth	Can Premaxillary Teeth in <i>Desmognathus</i> Be Used to Determine Gender in a Field Setting?
43	721	PM - Ashleigh Tynes*, Jerrod Tynes, Lani Lyman-Henley	A Morphological Comparison of Old World ( <i>Coelognathus</i> ), New World ( <i>Pantherophis</i> & <i>Scotophis</i> ), and Hybrid ( <i>Pantherophis</i> + <i>Scotophis</i> , <i>Pituophis</i> + <i>Scotophis</i> ) Colubrid Snakes
44	398	ENHDB - Christopher Schalk*, Carmen Montaña, Nicole Smolensky	Intercontinental Convergence of Arid-Adapted Amphibians: Evidence from Morphology
45	506	ENHDB - Daniel Paluh*, Scott Simpson, Christopher Sheil	Estimating Growth Rates of <i>Chelydra serpentina</i> (Chelydridae) Across Latitudes
46	604	ENHDB - Joseph Zigler*, Stephen Mullin	Relationships Between Body Size and Migratory Movements of Midland Brownsnakes (Colubridae: <i>Storeria</i> ) Within an Activity Season.
47	372	ENHDB - Michael Fulbright*, James Flaherty, C. M. Gienger	Ontogenetic Differences in Habitat Selection by Cottonmouth Snakes ( <i>Agkistrodon piscivorus</i> )
48	381	ENHDB - Sarah Kitson*, Willem Roosenburg	Performance of <i>Malaclemys terrapin</i> Hatchlings: Variation in Seasonal Emergence and Investigation into Hatchling Environmental Preference
49	274	ENHDB - Sarah Manka*, Peter Zani	Predation Risk Affects Escape Responses of Side-Blotched Lizards
50	314	ENHDB - E. Alexander Rohlla*, Aaron M. Bauer	Advertisement Calls of the Thick-toed Geckos (Reptilia: Gekkonidae: <i>Pachydactylus</i> )
51	337	ENHDB - Cynthia Carter*, Stephen Mullin	Trophic Interactions in a Semiaquatic Snake Community: Insights into the Structure of a Floodplain Food Web.
52	345	ENHDB - Christian Oldham*, Leo Fleckenstein, Steven Price	Novel Application of Passive Integrated Transponder (PIT) Telemetry in Natricine Snakes
53	173	ENHDB - Phillip Pearson*, Daniel Warner	Natural Thermal Environments Experienced by Eggs Affect Morphology and Performance of Hatchling Lizards ( <i>Anolis sagrei</i> )
54	111	ENHDB - Whitney Walkowski	Endogenous and Exogenous Factors that Affect the Reproductive Ecology of <i>Lithobates grylio</i>
55	45	ENHDB - Vincent Farallo*, Donald Miles	Exploring Below the Undergrowth: The Role of Microhabitat in the Evolutionary Ecology of Plethodontid Salamanders
56	77	ENHDB - Anat Belasen*, Timothy James	Investigating Native Skin Mycoflora as a Potential First Line of Defense Against Amphibian Chytridiomycosis
57	97	ENHDB - Anthony L. Gilbert*, Donald B. Miles	Relating Thermal Performance to Variation in Resource Use: Implications for Lizards in a Warming World
58	85	ENHDB - Kenzie Bozeman	Dermal Glands of Three-toed Amphiuma ( <i>Amphiuma tridactylum</i> ) and the Inhibitory Effects of Skin Secretions against the Amphibian Chytrid Fungus ( <i>Batrachochytrium dendrobatidis</i> )

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POSTER #	Abstract #	Presenter	Title
59	167	ENHDB - John Bourne*, Stephen Richter, Amy Braccia	The Structure and Distribution of Stream Salamander and Macroinvertebrate Communities Across Southeastern Kentucky.
60	212	ENHDB - Mickey Agha*, Mason Murphy, Jeffrey Lovich, et al	Research Activities and Winter Precipitation influence Voiding Behavior in Agassiz's Desert Tortoise ( <i>Gopherus agassizii</i> )
61	352	ENHDB - Carl Cloyd*, Perri Eason	Trophic Discrimination Factors and Turnover Rates of Carbon and Nitrogen Stable Isotopes in Adult Green Frogs, <i>Lithobates clamitans</i> .
62	98	ENHDB - Milica Radanovic*, Joseph R. Milanovich	Ecological Role of Larval Anurans in Facilitating Decomposition Rates of Leaf Litter in Mesocosms
63	753	EGS - Jasmine Dagg	Genetic Diversity of the Invasive Neotropical Cane Toad ( <i>Rhinella marina</i> ) in Florida.
64	438	EGS - Maggie Hantak*, Shawn Kuchta	Color Polymorphism in the Eastern Red-backed Salamander ( <i>Plethodon cinereus</i> ): How Morphs are Seen through the Eyes of Visual Predators
65	317	EGS - Johanna E Wegener*, Kevin P Mulder, Tyler R Kartzinell, et al	Relative Contribution of Genetic and Ecological Factors to Morphological Differentiation of Island Populations of <i>Anolis sagrei</i>
66	483	CM - Dane Ward*, Walter Bien	Estimating Population Densities from Radio-telemetry Data for the Northern Pine Snake in New Jersey
67	708	CM - Grant Connette*, Raymond Semlitsch	Historic Timber Harvest Predicts Abundance but not Genetic Diversity of a Terrestrial Salamander, <i>Plethodon shermani</i>
68	662	CM - Kelli Herrick*, Jayme Waldron	Evaluating the Effectiveness of Different Methods of Detection for the Eastern Hellbender ( <i>Cryptobranchus a. alleganiensis</i> ) in the Ohio River Watershed
69	581	CM - Michael Britton	Extreme Climatic Events Affecting Amphibian Egg and Larval Stages May Impact Future Metapopulation Dynamics Through Latent Effects
70	605	CM - Kristoffer Wild*, Corey Osborn, Christopher A.F Howey, C.M Gienger	The Impacts of Prescribed Fire on Eastern Fence Lizards
71	378	CM - Eric McCluskey*, Thomas Hetherington	Historical Analysis of Eastern Massasauga Rattlesnake Habitat in Northeastern Ohio
72	332	CM - Hannah McCurdy-Adams*, Jeff Hathaway, Jacqueline Litzgus	Anthropogenic Influences on Chronic Stress and Patterns of Nest Predation in Freshwater Turtles
73	311	CM - Michael Colley*, Stephen Lougheed, Kenton Otterbein, Jacqueline Litzgus	The Impacts of Road Mortality Mitigation on the Population Ecology of <i>Sistrurus catenatus</i> in Killbear Provincial Park
74	132	CM - Casey Brewster	Reintroduction of the Collared Lizard ( <i>Crotaphytus collaris</i> ) in Ozark-St. Francis National Forest, Arkansas
75	478	ENHDB - Logan Fehrenbach*, Richard Durtsche, Wesley Parsons	Invasive Species Impacts on Amphibian Colonization of Newly Formed Ephemeral Ponds
76	176	ENHDB - Patrick D. Moldowan*, Ronald J. Brooks, Jacqueline D. Litzgus	Courtship or Coercion? Testing for a Novel Mating Strategy in the Midland Painted Turtle ( <i>Chrysemys picta marginata</i> )
77	554	ENHDB - Kristina Schultz*, Kayla Parham, Martina Contreras, et al	Characterization of Malaria Infections in Side-Blotched Lizard Populations
78	291	Hilary Goodwin	Top Priorities for Skate Management and Conservation in the US, Canada, and Northwest Atlantic Fisheries Organization
79	215	Santiago Barbini, Luis Lucifora, Daniel Figueroa*	Using Opportunistic Records from a Recreational Fishing Magazine to Assess Population Trends of Sharks
80	460	Stacy L. Cecil*, John F. Morrissey, Kevin A. Feldheim, Toby S. Daly-Engel	Development and Optimization of Novel Microsatellite Loci for the Chain Catshark, <i>Scyliorhinus retifer</i>
81	649	Johanna Imhoff*, Alejandra Mickle, Cheston Peterson, R. Dean Grubbs	The Effects Of Sample Processing Methods On Light Stable Isotope And Mercury Analyses Of Fish Muscle
82	386	Kimberly Price*, Jason O'Bryhim, Bruce Saul, Stacey Lance	Diet Analysis of the Bonnethead Shark, <i>Sphyrna tiburo</i> , Around St. Catherine's Island, Georgia
83	297	Mauro Belleggia*, Daniel E. Figueroa, Ana Massa, et al	The Diets of the Spiny Dogfish Species ( <i>Squalus acanthias</i> , <i>S. mitsukurii</i> and <i>S. cubensis</i> ) From the Northern Argentinean Continental Shelf
84	664	Brent Benett*, Sarah Bruemmer, Jayne Gardiner, Christine Bedore	Scaling of the Elasmobranch Electrosensory System and Effects on Behavioral Responses to Prey-simulating Electric Fields
85	294	Csilla Ari*, Dominic D'Agostino	Contingency Checking and Self-Directed Behaviors in Giant Manta Rays: Do Fish Have Self-Awareness?
86	93	C - Callie Crawford*, Christian Canstein, Gavin Naylor	CT Scanning Chondrichthyan: No Bones About It

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POSTER #	Abstract #	Presenter	Title
87	241	João Pedro Fontenelle, Thiago Loboda*, Marcelo Carvalho	Angular Cartilage Variation and Structure Among Neotropical Freshwater Stingrays (Chondrichthyes: Myliobatiformes: Potamotrygonidae)
88	248	Kyra Hartog*, Neil Hammerschlag, Duncan Irschick	An Analysis of Shark Body Morphology with Respect to Trophic Level, Species, and Habitat Usage
89	49	C - Matthew Kolmann	Functional Anatomy of the Ocellated Freshwater Stingray, <i>Potamotrygon motoro</i>
90	321	Alec J. Turner*, Peter J. Etnoyer, Steve W. Ross	Oviposition Substrate Preference in Scyliorhinid Shark Species
91	411	Keisuke Furumitsu*, Atsuko Yamaguchi	Reproductive Aspects of the Pale-edged Stingray, <i>Dasyatis zugei</i> , in Ariake Bay, Japan
92	743	Charles F. Cotton*, R. Dean Grubbs, Shannon C. Rolfe, Austin Heil	Life History Characteristics of Two Common Deep-Water Dogfishes ( <i>Squalus cubensis</i> and <i>S. cf. mitsukurii</i> ) from the Northern Gulf of Mexico
93	158	C - Kelley van Hees*, David Ebert	Maternal Offloading of Mercury in Two Coastal Elasmobranchs in Elkhorn Slough, CA
94	271	Hannah Hart*, Jim Gelsleichter, Greg Ahearn	Transport of Di and Tripeptides in the Intestine of <i>Sphyrna tiburo</i>
95	623	C - Amanda Brown*, Jim Gelsleichter	Reproductive Endocrinology of the Finetooth Shark, <i>Carcharhinus isodon</i>
96	519	Melissa Gonzalez De Acevedo*, Jim Gelsleichter	Hormone Regulation of Sperm Storage in Female Bonnethead Sharks ( <i>Sphyrna tiburo</i> )
97	99	Luiz Rocha, Sarah Friedman*	Molecular Evidence for Biogeographic Speciation of the Yellowtail Damsel, <i>Microspathodon chrysurus</i>
98	139	Emma Lehmborg*, Nathan Lovejoy	Never the 'Twain Shall Meet: Genetic Divergence Between Highland and Lowland Populations of <i>Gymnotus</i> Electric knifefishes
99	610	Peter Unmack*, Bernd Gruber, Arthur Georges	Comparative Phylogeography of Four Aquatic Species from the Murray-Darling Basin
100	96	Richard Lizotte*, Scott Knight, Jason Taylor, Terry Welch	Factors Influencing Fish Diversity in Lake Habitats of Three Mississippi Delta Agricultural Bayous
101	512	Michelle D'Aguillo, Antony Harold*, Tanya Darden	Trophic Ecology of the Western Atlantic Goby <i>Gobiosoma bosc</i> (Gobiidae)
102	553	Juan Bogota-Gregory*, William Crampton, Javier Maldonado	Environmental Influences on Neotropical Freshwater Fish Community Structure in the Tomo River, Colombia
103	767	Charles W. Olaya-Nieto*, Jesika Cortés-Salcedo, Fanny Anaya-Sánchez	Trophic Ecology of Dorada Brycon sinuensis in the Sinu river Basin, Colombia
104	360	Sean Giery*, Craig Layman	Interpopulation Variation in Condition Dependent Signaling: Predation Regime Affects Signal Reliability
105	166	Katie Kierczynski*, Thomas Luhring, Michael Wagner	The Effect of Alarm Cue on Sea Lamprey Larvae Behavior
106	108	Ingrid Kaatz	How Common is the "Singing Fishes" Phenomenon?: Assessing Vocal Diversity within Families and Using Callichthyid Catfishes as a Test Case
107	641	Lindsay White*, Mark Meade	Effect of Elevated Temperature on Metabolic Physiology of Endemic Alabama Fishes and an Exotic.
108	272	Arienne Leary*, Jim Gelsleichter, Dean Grubbs	The Deepwater Horizon Oil Spill Impacts on Deep Sea Gulf Fishes
109	296	Shem Unger*, Carl Bergmann, Olin Rhodes, Gerardo Gutierrez-Sanchez	Proteomic/glycomic Profiling of Medaka ( <i>Oryzias latipes</i> ) for Elucidation of Physiological Response to Chronic, Low Level Ionizing Radiation in the Environment
110	740	Paulette C. Reneau	Impact of Pulp Mill Effluent on <i>Gambusia holbrooki</i>
111	547	Joseph Waddell*, William Crampton	Electric Signaling Energetics and Life History in a Sympatric Assemblage of Brachyhyopomus ( <i>Ostariophysi</i> Gymnotiformes, Hypopomidae) from the Peruvian Amazon
112	763	Ricardo Britzke*, Jonathan Ready, Raquel Siccha-Ramirez, Claudio Oliveira	Phylogenetic Relationships of the Genus <i>Apistogramma</i> (Teleostei: Cichlidae) Based on Molecular Data.
113	592	Alejandra Mickle*, R. Dean Grubbs, Jeffrey P. Chanton	Trophic Structure, Feeding Ecology and Bioaccumulation of Mercury (Hg) on Deep Sea Hagfish: An Elemental Analysis Approach.
114	569	Kory Evans*, Fabio Pupo, James Albert	Neuromorphological Evolution in Loricarioidea Using Geometric Morphometrics
115	180	Patrick Cain*, Robert Arndt, Matthew Cross	Arduino is Awesome! Innovative and Easy-to-Use Hardware for Do-it-Yourself Electronic Field Equipment

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116	504	Kerry Hansknecht*, Ryan Messenger, Taylor Baddeley	Studies of Discrimination Learning in Watersnakes
117	422	Lisa A. McDonald*, Caroline J. France, Sharon E. Hopper, Kerry A. Hansknecht	Characteristics of Voluntary Dives by Captive Saltmarsh Watersnakes
118	109	Natalin Vicente, Monique Halloy*	Form and Structure of Male Headbob Displays in a Neotropical Lizard, <i>Liolaemus pacha</i>
119	347	Guillem Pérez i de Lanuza, Enrique Font*	Now You See Me, Now You Don't: Iridescence (Angle-dependent Reflectance) Increases the Efficacy of Lizard Chromatic Signals
120	226	Ryan Seddon*, Diana Hews	Do Melanization and Testosterone Play a Role in Aggression for the Western Fence Lizard, <i>Sceloporus occidentalis</i> ?
121	714	Brittainy Hewitt, Matthew G. Keevil*, Ronald J. Brooks, Jacqueline D. Litzgus	The Demography of Intraspecific Aggression, Inferred From Injuries, in a Population of Snapping Turtles.
122	470	Mayra Oyervides, Frederic Zaidan III*	Heterospecific Aggregational Shelter Use by <i>Rhinella marina</i> and <i>Incilius nebulifer</i> in Deep South Texas
123	367	Renato C. Nali*, Rubens A. F. Turin, Cynthia P. A. Prado	Call Differentiation Correlates with Geographical Distance in the Brazilian Hyliid Frog <i>Bokermannohyla ibitiguara</i>
124	727	Paul Cupp	On Head Up Displays in Green Salamanders, <i>Aneides aeneus</i>
125	181	David Rostal*, Wade Carruth, Luke Wyrwich, Brad Lock	Reproductive Patterns in Three Genera of Asian Turtles: <i>Manouria</i> , <i>Heosemys</i> and <i>Coura</i> .
126	83	Adam Cummings*, Jeffrey Schineller, Karen Kiemnec-Tyburczy, John Reiss	Lineage Diversification of an Aquatic Pheromone in Pacific Newts ( <i>Taricha</i> )
127	594	Jake Pruett*, Stephanie Campos, Helena Soini, et al	Variation in Volatile Compound Composition of Femoral Gland Secretions from Four Species of <i>Sceloporus</i> : A Preliminary Analysis
128	597	Taylor Beckwith-Ferguson, Cassandra Owen, Kristine Kaiser*	Corticosterone Does Not Mediate Reproductive Suppression in White's Treefrog ( <i>Litoria caerulea</i> )
129	595	Neha Savant*, Kristine Kaiser	Chronic Anthropogenic Noise Decreases Testicular Testosterone in White's Treefrog, <i>Litoria caerulea</i>
130	642	Sarah Barns*, Matthew Klukowski	Influence of Food Restriction on Plasma Corticosterone and Innate Immunity and Blood Chemistry in the Brown African House Snake <i>Lamprophis fuliginosus</i>
131	47	Andrew M. Durso*, Geoff D. Smith, Lorin A. Neuman-Lee, Susannah S. French	Using Labeled Nutrient Tracers to Reveal Resource Allocation in Lizards with Competing Needs
132	443	Jason R. Warner*, Robert E. Espinoza	Comparative Cold Hardiness Capacities of Lizards (Genus <i>Liolaemus</i> ) Living Along an Elevation Gradient in Argentina
133	620	John Pojman Sr, John Pojman Jr, Clifford Fontenot Jr.*	Clove Oil as a General Anesthetic for <i>Amphiuma tridactylum</i> and Recovery Time as a Function of Body Mass

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**SATURDAY, 2 August, POSTER SESSION II**  
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POSTER #	Abstract #	Presenter	Title
1	632	Mark Goldy-Brown*, Tracy Langkilde, Chris Thawley	The Effects of Red Imported Fire Ant Venom on Whole Body Performance and Hemolysis of Eastern Fence Lizards, <i>Sceloporus undulatus</i> .
2	207	Julie Ziemba*, Alex Cameron, Kim Peterson, et al	The Presence of an Invasive Asian Earthworm ( <i>Amyntas</i> spp.) Alters Terrestrial Salamander ( <i>Plethodon cinereus</i> ) Microhabitat Use in Laboratory Microcosms
3	653	Alfonso Trujillo*, Jesus Rivas	The Impact of the Invasive American Bullfrog ( <i>Lithobates catesbeianus</i> ) on Woodhouse Toad ( <i>Anaxyrus woodhousii</i> ) Demographics in the Rio Mora Wildlife Refuge in Northeastern NM
4	534	Joshua P. Traub*, Sloan Hill-Lindsay, Ralph A. Saporito	Maintenance of Aposematic Color in the Strawberry Poison Frog from Northeastern Costa Rica
5	420	Cameron Eddy*, Daniel Paluh, Kal Ivanov, et al	Selective Foraging Behavior of <i>Plethodon cinereus</i> on Ants
6	672	Wesley Parsons*, Logan Fehrenbach, Richard D. Durtsche	Diurnal Activities and Metabolism of <i>Podarcis muralis</i> as an Introduced Species to the Greater Cincinnati Region
7	240	Kaite Anderson*, Nathan Byer, Ryan McGehee, Teal Richards-Dimitrie	A New System For Marking Hatchling Turtles Using Visible Implant Elastomer (VIE)
8	287	Gabriel Faggioni*, Franco Souza, Cynthia Prado	Habitat Occupancy Estimation for Two Neotropical Frogs with Imperfect Detectability
9	171	William Ternes*, Celeste Wheeler*, Vincent Farallo	Microhabitat Use of the Big Levels Salamander: A Microendemic <i>Plethodontid</i>
10	505	Danielle Walkup*, Lee Fitzgerald	Landscape Fragmentation Disrupts Population Dynamics in Dune Dwelling Lizards
11	451	Matthew Lattanzio	From Disturbance to Fitness: Selective Consequences of Prescribed Fire for Tree Lizards
12	315	Christopher Murray*, Mahmood Sasa, Craig Guver	Cohort Specific Sex Ratios and Nest Thermal Regimes in the American Crocodiles of Guanacaste, Costa Rica
13	152	Iwo Gross*, Yong Wang, Callie Schweitzer	Maternal and Juvenile Habitat Use, Dispersal, Hibernation, and Survival in Copperheads ( <i>Crotalinae</i> ; <i>Agkistrodon</i> ).
14	482	Spencer Roberts*, Ricardo Hernández, James Spotila, et al	Nesting Ecology of East Pacific Green Turtles at Playa Cabuyal, Costa Rica
15	671	Annemarie Mina, Andras Ponti, Nicole Woodcraft, Erin Johnson, Ralph Saporito*	Geographic Variation in Alkaloid-based Antimicrobial Defenses of the Strawberry Poison Frog, <i>Oophaga pumilio</i>
16	485	Matthew Venesky*, Alexandra Hess, Joe DeMarchi, et al	Red-striped and Lead Phase Eastern Redbacked Salamanders ( <i>Plethodon cinereus</i> ) Differ in their Resistance to <i>Batrachochytrium dendrobatidis</i>
17	778	Timothy J. Colston*, Brice P. Noonan, Colin R. Jackson	Phylogenetic Analysis of Bacterial Communities in Different Regions of the Gastrointestinal Tract of <i>Agkistrodon piscivorus</i> , the Cottonmouth Snake
18	290	Meredith Swartwout*, Jenifer Walke, Matthew Becker, et al	Structure and Function of Bacterial Communities on Spring Peeper Skin ( <i>Pseudacris crucifer</i> ) in Virginia
19	133	Kira McEntire*, Martin Gonzalez	Cutaneous Microbial Diversity of <i>Eurycea naufragia</i> at Two Sites
20	668	Leonardo Tedeschi*, Jéssica Fenker, Cristiano Nogueira, Lillian Gimenes Giugliano	Molecular Phylogeny and Biogeography of <i>Psomophis</i> , and History of Diagonal Neotropical Open Areas
21	197	Waleeja Rashid*, Maria Medina, Edward Stanely, et al	Systematics of African Limbless Skinks ( <i>Squamata</i> : <i>Scincidae</i> ) of the Genus <i>Melanoseps</i>
22	222	Samantha Stewart*, Thornton Larson, Eli Greenbaum	Systematics of the Genus <i>Lygodactylus</i> from Democratic Republic of the Congo
23	410	Kirsten Nicholson*, David Laurencio, Craig Guver	One or Two? Investigating the Status of <i>Norops lionotus</i> and <i>N. oxylophus</i> in Central America
24	551	Jennifer Dever*, Jodi Rowley, Jeff Wilkinson	Multiple Species of "Bird-poop" Frogs (genus <i>Theloderma</i> ) Identified from Southeast Asia.
25	183	Kristin Hinkson*, Stephen Richter	Temporal Comparisons of Genetic Variation in the Dusky Gopher Frog, <i>Lithobates sevosus</i>
26	442	Aaron Schrey*, Travis Robbins, Duong Vo, et al	Ecological Epigenetics of Herpetofauna in the Fire Maintained Florida Scrub Habitat
27	558	Jade Keehn, Richard Hoyer, Chris Feldman*	Geographic Variation in the Demography and Life History of a Cryptic Snake ( <i>Contia tenuis</i> ).
28	338	Chris Feldman*, Edmund Brodie, Jr, Edmund Brodie, III, Michael Pfrender	Geographic Structure in TTX Resistance in the Sierra Garter Snake ( <i>Thamnophis couchii</i> ): The Imprint of History and Biogeography on Adaptive Variation.
29	9	Dustin Siegel*, Stanley Trauth, Brian Rabe, et al	Novel Cloacal Glands in Snakes: The Phylogenetic Distribution of Ventral Urodaeal Glands in <i>Thamnophiinae</i>
30	73	Daniel Blackburn*, Laurie Bonneau, Kristie Anderson	Placental Morphology in Viviparous North American Water Snakes ( <i>Colubridae</i> : <i>Nerodia</i> ).
31	75	David Sever*, Christopher Beachy	Phylogeny of Mental Glands, Revisited

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POSTER #	Abstract #	Presenter	Title
32	200	John Rowe*, Brittany Miller, Mark Stuart, et al	Substrate Color-induced Melanization in Eight Turtle Species from Four Chelonian Groups.
33	387	Philip Nicodemo*, Nathan J. Kley	Variation in the Segmental Lengths of Epaxial Muscles in the Pre-cloacal Region of Snakes
34	513	Michael Finkler	Sexual Dimorphism in Heart Size in Four Species of North American Anurans.
35	659	Kevin Chovanec	Early Records of Fossil Anolis from the Oligocene and Miocene of Florida, USA
36	502	André Felipe Barreto-Lima*, Cristiano Campos Nogueira, Guarino Colli, Sandra Maria Hartz	Potential Distribution and Geographic Variation in the Morphology of the Enyalius Genus (Iguanidae; Leiosaurinae) from the Brazilian Forests
37	266	Benjamin Thesing, Donald Shepard*, Richard Noves	Phylogeography of the Southern Redback Salamander ( <i>Plethodon serratus</i> )
38	370	Cy Mott, Emily Croteau*	Incorporating Metapopulation Structure into Investigations of Abundant Center Distributions: What Can Presence/Absence Data Tell Us?
39	436	Brian Folt*, Nicole Garrison, Craig Guyer, Jason Bond	Phylogeography of the Red Salamander ( <i>Pseudotriton ruber</i> )
40	586	Christopher Peterson*, Matthew Chatfield	Comparison of Trap Baiting Methods for Sampling Aquatic and Semi-Aquatic Herpetofauna
41	698	George Szarka*, Thomas Wilson	Sampling Amphibians and Reptiles in Southeastern Tennessee: Lessons Learned with Implications for Conservation and Management
42	116	Eric Juterbock	Does Size Really Matter? The Relationship Between Size and Water Loss of Model Plethodontids in Typical Activity Sites
43	427	Thomas Wilson, Paul-Erik Bakland*, Nyssa Hunt, et al	Nest Site Selection by Marbled Salamanders ( <i>Ambystoma opacum</i> ) in an Isolated Wetland in Southeastern Tennessee: In the Shadows of a Brownfield at the Dawn of Gig City
44	210	Daniel Saenz*, Toby Hibbitts, Cory Adams	The Calling Ecology of Crawfish Frogs ( <i>Lithobates areolatus</i> ) from the Gulf Coastal Prairie of Texas
45	328	Austin Patton, Kristin Bakkegard*	Slimy Salamanders in Central Alabama Infected with Chiggers
46	421	Thomas Wilson*, Jose Barbosa, Ethan Carver, et al	An Assessment of <i>Batrachochytrium dendrobatidis</i> Infection in two species of Ranid Frogs on a Former United States Department of Defense (DoD) Installation in southeastern Tennessee
47	761	Abdulaziz Alqahtani	Biological Aspect of <i>Bufo tihamicus</i> in Aseer Region, South West of Saudi Arabia
48	163	Jordan Chaney*, Rachel Hill, Julia Earl, et al	Ranavirus Could Cause A Threatened Toad Species To Go Extinct
49	400	Patrick Reilly, Jordan Chaney*, Debra Miller, et al	Assessing the Risk of Pathogen Pollution: A Preliminary Test of Co-Evolution Between Ranavirus and Wood Frogs.
50	760	Daniel B. Wylie*, Matthew C. Allender, Sarah J. Wylie, et al	A Test of Non-Invasive Detection Methods for Snake Fungal Disease
51	142	Emily Taylor*, Matt Holding, Kory Heiken, Ignacio Moore	Is Translocation Stressful to Rattlesnakes?
52	548	David Bechler*, Joseph Kirkley	Dorsal Coloring and Ventral Patterning in a Population of <i>Agkistrodon piscivorus</i> , the Water Moccasin
53	681	Lani Lyman-Henley*, Jerrod Tynes	Ontogenetic Color Change and Growth of Corn and Rat Snakes, Their Intergrades and Hybrids
54	429	Jennifer M. Singleton*, Theodore Garland, Jr., Mingna Vicky Zhuang	Social Badges in <i>Dipsosaurus dosalis</i> and the Importance of Museum Specimens as Preliminary Data
55	43	Jessa Watters*, Cameron Siler	Quantifying Curator Success In Life Science Natural History Collections
56	560	Thomas Wilson, Joseph Simpson*, Brad Reynolds, et al	Team Salamander and Its Evolution in Becoming the Longest Running Group Studies Initiative at the University of Tennessee at Chattanooga (UTC)
57	273	Cynthia Moulton*, Jennifer Weisenburger	Consistency of Survey Data for Plethodontid Salamander Population Assessments in Rutland County, Vermont
58	307	Sean P. Boyle, Jacqueline D. Litzgus*, David Lesbarrères	Knowing is Half the Battle: Using Intensive Monitoring to Identify Hotspots of Herpetofauna Mortality in a Protected Area
59	364	Michelle Guidugli*, Kari Dupler, John MacGregor, et al	Developing an Amphibian Index of Biotic Integrity and Validating a Rapid Assessment Method for Kentucky's Wetlands
60	305	Ross Maynard, Matthew Kwiatkowski*	Edge Effects on Herpetofauna in a Lowland Amazonian Rainforest
61	401	William Peterman*, John Crawford, Andrew Kuhns, Christopher Phillips	Landscape Effects on Amphibian Species Richness and Wetland Conservation Coefficients
62	211	Toby Hibbitts*, Cory Adams, Daniel Saenz	Distribution Surveys for the Crawfish Frog ( <i>Lithobates areolatus</i> ) in Texas
63	423	Matt Elliott, John Jensen*, Joyce Klaus, Lora Smith	Estimating Gopher Tortoise Populations in Georgia

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64	748	John Maerz*, Vanessa Terrell, Michael Lannoo, et al	Population Dynamics of Threatened Crawfish Frogs Informs Management Decisions
65	709	M. Kevin Hamed*, Matthew Gray, William Sutton	Changes in Spatial Distributions of Plethodontid Salamanders Along Elevation Gradients in the Mt. Rogers National Recreation Area over a 50-year Period.
66	178	Lacy Obenschain*, Yong Wang, Callie Schweitzer	The Effects of Forest Disturbance on the Oviposition Site Preference of Amphibians on the Southern Cumberland Plateau
67	262	Natalia Gallego García, Vivian P. Páez*	Geographic Variation in Pivotal Temperatures and Transitional Range of Temperatures in the Endangered Turtle <i>Podocnemis lewyana</i> : Implications for Global Warming.
68	564	Evin Carter*, Bryan Eads, Matthew Farmer, Bruce Kingsbury	Demonstrating Roads as Barriers to Snakes using a Modified Random Walk: The Case of the Copperbelly
69	746	John Tupy, James Lee, Joseph Pechmann*	Dusky Gopher Frog ( <i>Rana sevosa</i> ) Colonization and Translocation at an Improved Pond in Southern Mississippi.
70	149	Josh Pierce*, Craig Rudolph, Steve Reichling, et al	Returning the Louisiana Pine Snake ( <i>Pituophis ruthveni</i> ) to Restored Habitat.
71	89	SJ Mullin*, LM Diana, LJ Walston	Patient Tiger, Hidden Results? A Decade-long Salamander ( <i>Ambystoma tigrinum</i> ) Repatriation Effort in Managed Wetlands.
72	674	Chad Montgomery*, Andrea Martinez, Ignacio Moore, Stesha Pasachnik	Effect of Captivity and Habitat Destruction on Stress in the Utila Spiny-tailed Iguana, <i>Ctenosaura bakeri</i> .
73	469	Ana Bello Soares*, Helga Wiederhecker, Barry Sinervo, Guarino Colli	Comparative Thermoregulatory Behavior of Brazilian Tortoises: Seasonal Patterns of Body Temperature and Hours of Restriction
74	431	Jessica Fenker*, Leonardo Tedeschi, Alexander Pyron, Cristiano Nogueira	Phylogenetic Diversity and Conservation of South American Pitvipers
75	82	David Steen*, Brittney Hopkins, James Van Dyke, William Hopkins	Prevalence of Ingested Fish Hooks in Freshwater Turtles From Five Rivers in the Southeastern United States
76	205	John Gorsuch, Amy Miller, Keen Wilson, Patrick Owen*	Invasive Earthworms Alter the Cutaneous Bacteria of Eastern Red-backed Salamanders
77	199	Cory Adams*, Daniel Saenz	Effects of Chinese Tallow Leaf Litter on Overwintering Larval Anurans
78	607	Page E. Klug, Robert N. Reed*, Frank J. Mazzotti, et al	Spatial Ecology and Habitat Use of the Argentine Tegu ( <i>Tupinambis merianae</i> ), a Recent Invader in the Everglades Ecosystem (Florida, USA)
79	466	Elisa Cabrera Guzmán*, Carmen Díaz Paniagua, Ivan Gomez Mestre	Effect of Invasive Mosquitofish ( <i>Gambusia holbrooki</i> ) on the Behavior of Gravid Pygmy Newts ( <i>Triturus pygmaeus</i> ) from Doñana, Spain
80	206	Jessica Vannatta*, Matthew Klukowski	Demographic Characteristics, Seasonal Corticosterone, and Prevalence of Ranavirus Infection in the Eastern Box Turtle, <i>Terrapene carolina carolina</i>
81	495	Sarah Horsley*, Gary Green	Effects of Educational Programming on Visitors' Attitudes towards Snake Conservation
82	601	Bradley Reynolds*, Thomas Wilson	A Walk in the Woods: Battling Herpetophobia among Non-Science Majors
83	656	Jennifer Heemeyer, Thomas Anderson*, William Peterman, et al	Automated Analysis of Temperature Dataloggers to Determine Hydroperiods of Vernal Wetlands
84	118	Kayla Key*, Andy Gluesenkamp, John S. Placyk, Jr.	Using Maxent to Predict Habitat Suitability for a Species of Conservation Concern, the Texas Gartersnake, <i>Thamnophis sirtalis annectens</i>
85	448	Aaron Ross*, Rebecca Blanton Johansen	Conservation in the Dark: Comparison of Night Versus Day Sampling of an Imperiled Nocturnal Species, <i>Noturus fasciatus</i> .
86	777	Christopher W. Hoagstrom*, Thomas P. Archdeacon, Stephen R. Davenport, et al	Intra-fragment riverscape conservation for an imperiled, small-bodied, pelagic-broadcast spawning minnow: speckled chub, <i>Macrhybopsis aestivalis</i>
87	706	Daniel J. Gurdak	Identifying Geographic Gaps Between Management and Research
88	233	Mallory Jeffers*, Marlis Douglas, Brooke Beckwith, et al	Effects of Environmental Barriers on Population Structure of Orangethroat Darter and Cardinal Shiner on the Ozark Plateau
89	70	Taylor Phillips*, Matthew White	Seasonal Movements of the Sandstone Falls Population of Lower New River Walleye
90	393	Heather L Prestridge*, Luci Cook-Hildreth	Come and Take It: Invasion of the Armored Catfishes in Texas
91	394	Chris Chabot*, Holly Hawk, Larry Allen	Low Genetic Diversity and Effective Population Size in the Critically Endangered Giant Sea Bass, <i>Stereolepis gigas</i>
92	705	Richard D. Durtsche*, Julie A. Moses, Madeline Walker, et al	There's an App for That! Developing Mobile Technologies for Stream Parameters and Water Quality Assessment.
93	737	Fredys F. Segura-Guevara*, Irina J. Arroyo-Segura, Charles W. Olaya-Nieto	Length-Weight Relationship of Perico Trachelyopterus <i>badeli</i> f.c. in the Sinu River, Colombia
94	402	Sâmia M Camargo*, Bruno LS Ferrette, Guilherme C Silva, et al	Phylogeography of the Oceanic White-tip Shark <i>Carcharhinus longimanus</i> in the Atlantic Ocean, Using Molecular Markers



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95	326	Carol Stepien*, Carson Prichard	Population Genetics of the Invasion by Bighead and Silver Carps: An Analysis of Fronts versus Established Populations
96	680	Binod Regmi	Effects of Salt Water Intrusion and Habitat Separation on Gene Flow in a Coastal Ecosystem: Mosquitofish in Louisiana Binod Regmi1
97	295	Leos Kral*, Patricia Bartlett, Rebecca Pace, et al	Current State of Assembly and Annotation of the <i>Etheostoma tallapoosae</i> Genome
98	340	Chris Chabot, Donald Buth*	Species-specific Nuclear Genetic Markers for the Detection of Hybridization Between the Grey Smoothhound ( <i>Mustelus californicus</i> ) and the Brown Smoothhound ( <i>Mustelus henlei</i> )
99	419	John Belcik*, Terry Grande	Distribution and Population Genetics of the Oriental Weatherfish ( <i>Misgurnus anguillicaudatus</i> ) in Illinois and Indiana Tributaries
100	414	David Camak*, Lisa Cordes, Kyle Piller	Assessing the Influence of Riverine Outflow on Genetic Diversity of Two Coastal Marine Fish Species
101	508	Courtney Calhoun*, Pete Berendzen	Genome Duplication and Evolution in a Tetraploid Family of Fishes (Cypriniformes: Catostomidae).
102	676	Zane Anderson*, Robert B. Gillespie, Mark A. Jordan	Population Genomics of Creek Chubs ( <i>Semotilus atromaculatus</i> ) in Channelized Agricultural Streams
103	691	Natália Mendes*, Fernando Mendonça, Vanessa Cruz, et al	Development of Microsatellite Loci for the Sharks <i>Galeocerdo cuvier</i> and <i>Carcharhinus acronotus</i> Using Second Generation Sequencing
104	88	Utpala Sharma*, Dayal P. Gupta	Phylogenetic Analysis Among Cyprinidae Family Using 16SrRNA
105	593	Nehir Kaymak*, Kirk O. Winemiller, Senol Akin, et al	Trophic Ecology of Omnivorous Fishes in the Yeşilirmak River Basin, Turkey, in Relation to Seasons and a Hydroelectric Dam.
106	12	Theodore W. Pietsch, James Wilder Orr, Jeremy Harris*	Fishes of the Salish Sea: Puget Sound and the Straits of Georgia and Juan De Fuca
107	55	Carla Eisemberg*, Tim Berra	Notes on the Sale of the Nurseryfish ( <i>Kurtus gulliveri</i> ) in the Kikori Market, Papua New Guinea
108	66	Phil Hastings*, HJ Walker, Grantly Galland	Fishes: A Guide to Their Diversity
109	153	Prosanta Chakrabarty*, Melanie Warren, Lawrence Page, Carole Baldwin	GenSeq: An Updated Nomenclature and Ranking for Genetic Sequences from Type and Non-type Sources
110	194	Katie May Laumann*, Alison Deary	Ichthyology and Marine Science in Inquiry-Based Learning: How Researchers Can Contribute to Middle and High School Education
111	283	Michael Doosey*, Henry Bart, Nelson Rios, et al	Georeferencing U.S. Fish Collections: A Community-Based Model to Georeferencing Natural History Collections in the FishNet2 Network
112	350	Sarah Huber*, Eric Hilton	The Nunnally Ichthyology Collection at the Virginia Institute of Marine Science: History, Current Status, and Future Prospects
113	433	David Clark*, Caleb McMahan, Wilfredo Matamoros, Prosanta Chakrabarty	Intradrainage Body Shape Variation of the Tetra <i>Astyanax aeneus</i> (Characiformes: Characidae) in the Río Patuca, Honduras
114	625	Jeremy Wright	A New Paedomorphic Genus and Species of Catfish from Lake Tanganyika (Siluriformes: Clariidae)
115	712	Samba Diallo*, Jonathan Armbruster, Henry Bart, et al	The Freshwater Fishes of Guinea
116	756	Jennifer Gumm	Quaardvark and the Animal Diversity Web: A New Tool To Help Students Explore Ecological Patterns
117	492	Ben Tumolo*, Michael Flinn	Diet Analysis of Silver Carp ( <i>Hypophthalmichthys molitrix</i> ) in Two Large Embayments of Kentucky Lake. A Reflection of Availability or Selectivity?
118	391	Bradley Richardson*, Michael Flinn	A Dietary Comparison of Four Sympatric Gar Species: Alligator Gar, Longnose Gar, Shortnose Gar, and Spotted Gar
119	371	Warren Brown, Robert Robins*, Kenneth Krysko	A novel use of Specify Database Software for museum collections
120	301	Michael Burns*, Ben Frable, Brian Sidlauskas	The Oregon State Ichthyology Collection: Undergraduate Training Through Digitization of an Outstanding Library of Fishes
121	244	Rupert A. Collins*, Emanuell Duarte Ribeiro, Valéria Nogueira Machado, et al	A Preliminary Inventory of the Catfishes of the Lower Rio Nhamundá, Brazil, with the Description of a New Species of <i>Pseudolithoxus</i> Isbrücker and Werner (Siluriformes, Loricariidae)
122	426	Terry Grande*, Mark Wilson, Michael Hanson, et al	First Osteological Description of the Type Species of <i>Polymixia</i> , <i>P. nobilis</i> Lowe, 1836, with Comparisons to Other Extant Species of <i>Polymixia</i>
123	501	Mark Wilson*, Terry Grande	What's New With Old Fish?
124	745	Guillermo Orti*, Ricardo Betancur-R, Ed Wiley, et al	Revised Classification of Bony Fishes Based on Molecular Data (Version 3)
125	758	Kevin W. Conway*, Philip Hastings, Dae-Min Kim, et al	Is <i>Pherallodiscus</i> Briggs a Junior Synonym of <i>Gobiesox</i> Lacepède?

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126	102	Claudia Olivera-Tlahuel*, Maricela Villagran-Santa Cruz, et al	Relationship Between Superfetation and Placentation in Viviparous Fishes of the Family Poeciliidae
127	120	Jacob Egge*, Dakota Rowsey, Erinn Kuest	A Survey of Extraoral Taste Buds in Otophysan Fishes
128	140	Avery Thomson*, Leo Demski	A Comparative Study of Chromatophore Systems for Vertical Banding in Bluegills and Selected Cichlids
129	169	Ashley Marranzino*, Jacqueline Webb	The Lateral Line System of Deep-Sea Fishes: Preliminary Observations on Stomiiform Fishes
130	379	Michael Ghedotti*, Ryan Barton, Matthew Davis	Morphology of the Ventral Luminescent Organ of the Japanese Barracudina ( <i>Lestrolepis japonicus</i> ), with Comments on the Evolution of Bioluminescence within the Barracudinas (Teleostei: Aulopiformes).
131	432	Cheryl Theile*, Terry Grande	Comparison of Jaw Mechanics Among North American Esocids
132	450	Fabio Pupo*, Marcelo Britto	Brain and Olfactory Organs from Some Species of the Family Trichomycteridae (Teleostei: Ostariophysi: Siluriformes)
133	572	Peter Warth*, Eric Hilton, Peter Konstantinidis	Ontogeny of Skeletal Elements in Two Species of Sturgeon
134	579	Eric Schuppe*, Devaleena Pradhan, Kevin Thonkulpitak, Matthew Grober	Sexually Dimorphic Co-localization of Steroidogenic Enzyme and Androgen Receptor in Spinal Cord and Supracarinalis Muscle in <i>Lythrypnus dalli</i>
135	636	Mary White*, Mark Merchant	Complement Component 3 (C3) and the Innate Immune Response of Crocodylians