

DETAILED PROGRAM



**Southern Division American Fisheries Society
Annual Meeting**

April 6-9, 2021



**Hosted by the Virginia Chapter
of the American Fisheries Society**

Organizing Committee

Meeting	Brad Fink
Program	Eric Hallerman, Don Orth, Rachel Dixon
Workshops	Jeff Williams
Posters	Dan Michaelson
Student Affairs	Chas Gowan, Amanda Rosenberger
Finance/ Registration	Tyler Meighan, Johnathan Harris, Eric Brittle, Karen Horodysky
Fundraising	Mike Isel
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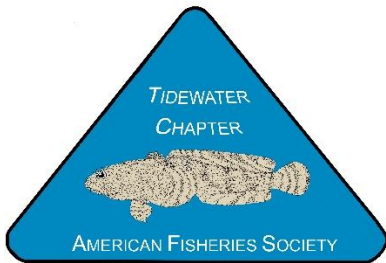


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SDAFS President's Welcome

Welcome to the 29th Annual Meeting of the Southern Division of the American Fisheries Society! This may be the 29th year that our Division has gathered, but it's the first virtual meeting of the SDAFS. The Virginia Chapter meeting team has done an outstanding job of organizing a virtual gathering that includes as many components of an in-person meeting as possible. What I think we'll all miss are the social attributes of our meeting — the raffle, trade-show booths, and sharing conversation and refreshments with other professionals and friends.

It's an easy argument that our annual meeting is more important this year than ever, so I thank you for your participation and support of the AFS and our science. I hope that you'll participate fully and as much as possible in this event. The meeting team has done all they can to simplify the technical challenges and make the scientific program interesting and relevant.

For those attending an AFS meeting for the first time — a special welcome to you! I hope that you'll benefit from this meeting and enjoy it enough to come back next year in-person to join us in Charleston, South Carolina. I also hope that you stick with us long enough in the American Fisheries Society to experience and gain from all the professional and personal benefits of membership, meeting attendance, and our fisheries community.

Thank you for your participation and individual role in making this virtual conference a success — and I look forward to seeing you online!

Tom Kwak

Tom Kwak
SDAFS President

**Southern Division American Fisheries Society
Virtual Annual Meeting – April 6-9, 2021**

Detailed Program – All times shown in Eastern Standard Time

Tuesday, April 6th

8:50 – *Welcome message* – Tom Kwak, President of the Southern Division

Technical Committee Meetings – Live sessions.

9:00 – Warmwater Streams– 4 hours. Kevin Mayes, kevin.mayes@tpwd.texas.gov

9:00 – Reservoir – 5 hours. Sean Kinney, skinney@wlf.la.gov

9:00 – Alligator Gar – 9 hours. Eric Brinkman, eric.brinkman@agfc.ar.gov

9:00 – Catfish – 3 hours. Kris Bodine, kris.bodine@tpwd.texas.gov

9:00 – Pollution – 4 hours. Curtis Tackett, curtis.tackett@odwc.ok.gov

9:00 – Trout – 3 hours. Justin Heflin, justin.heflin@ky.gov

1:00 – Small Impoundment – 4 hours. Brett Timmons, Brett.Timmons@agfc.ar.gov

2:00 – American Eel – 4 hours. Kevin Mayes, kevin.mayes@tpwd.texas.gov

3:00 - SDAFS Executive Committee – Tom Kwak, convener. Live session, 1½ -2 hours.

Online – posters displayed

Wednesday, April 7th

9:00 – *Announcements*

Workshops:

9:10 – Improving Science Communication - Steve Lochmann and Jesse Trushenski – half-day

9:10 – Plain, Simple, and Concise Writing – Steve McMullin – full day

9:10 – Crayfish Taxonomy and Morphology – Chris Taylor, half-day

9:10 – Practical and Cost-Effective Approaches to Ageing Uncommon Fishes - Hae H. Kim and Quinton Phelps, half-day

1:00 – Getting Hired – Pat Mazik – half-day

12:00 - Past Presidents Virtual Room Luncheon – Cindy Williams, convener. Live session, 1-2 hours. By invitation.

3:00 - SDAFS Business Meeting – Tom Kwak, convener. Live session approximately 1½-2 hours

Online – posters displayed

Thursday, April 8th

Each presentation slot is 20 minutes, including a 15-minute presentation and 5-minute Q&A.

Abstract numbers [in parentheses] refer to the location of that abstract in the compilation.

9:00 – Announcements

9:10 – Session 1 – *Symposium: Black Bass Biodiversity, Conservation, and Management* - Andrew Taylor, Brandon Peoples, and Martin Hamel, organizers – Martin Hamel, moderator

Taxonomy & Phylogenetics

9:20 – Near and Kim – Phylogeny and time scale of diversification in the fossil-rich sunfishes and black basses (Teleostei: Percomorpha: Centrarchidae) [1.1]

9:40 – Kim et al. – Phylogenomics of black basses (*Micropterus*) [1.2]

10:00 – Vasquez and Freeman – Species delimitations among cryptic black basses [1.3]

Southeastern Endemics Conservation and Management

10:20 – Scott et al. - Conservation and taxonomic status of the endemic Savannah River black bass species [1.4]

10:40 – Break

11:00 – Peoples – Conservation ecology of Bartram’s Bass: A Savannah River endemic [1.5]

11:20 – Farrae et al. – Genetic diversity and population structure of Bartram's Redeye Bass in the tributaries of the Savannah Basin [1.6]

11:40 – Lewis et al. – Cryptic phenotypes of Alabama Bass (*Micropterus henshalli*) x Redeye Bass (*M. coosae*) complex hybrids in the Mobile River Basin require genetic identification [1.7]

12:00-1:00 – Lunch

1:00 – Kaiser et al. – Chattahoochee Bass distribution and genetics in the upper Chattahoochee River basin [1.8]

1:20 – Patrick et al. – Fishing for understanding in the black bass fishery of the upper Chattahoochee River [1.9]

1:40 – Bowen et al. – Conservation and management of endemic black basses in Georgia [1.10]

2:00 – Yeager et al. – Suwannee Bass movement and life-history in the Withlacoochee River, Georgia [1.11]

Guadalupe Bass Conservation & Management

2:20 – Birdsong et al. – Three decades of concerted efforts to conserve the State Fish of Texas (1991–2021): Reflecting on strategies, outcomes, lessons learned, and future directions [1.12]

2:40 – McGillicuddy et al. – Restoration, Conservation, and Recreation on Private Lands: Case Studies in Improving Habitat and Access in the Range of Guadalupe Bass, the State Fish of Texas [1.13]

3:00 – Break

3:20 - Bean et al. – Longitudinal gradients in Guadalupe and Spotted Bass allele distributions: Implications for the Guadalupe Bass Restoration Initiative [1.14]

Smallmouth Bass Lineage Conservation & Management

3:40 – Taylor and Long – Population genetic investigations of Neosho Smallmouth Bass [1.15]

4:00 – Gunn et al. – Phylogeographic divergence, local adaptation, and admixture history in populations of Smallmouth Bass (*Micropterus dolomieu*) in the Central Interior Highlands [1.16]

4:20 – Starks and Rodger – Development of growth standards for lotic Smallmouth Bass Populations [1.17]

- *Symposium continues on Friday* -

9:10 – *Session 2 – Symposium: Systematics, Ecology, and Conservation of Southeastern U.S. Crayfish* – Mael Glon, moderator

Systematics

9:20 – Glon et al. – Anchored hybrid enrichment resolves the phylogeny of *Lacunicambarus* (Decapoda: Cambaridae) [2.1]

9:40 – Foltz et al. – Unraveling the distribution and genetics of *Cambarus* species C in Virginia: Preliminary results and focuses moving forward [2.2]

Ecology

10:00 – Foltz and Loughman – Translocation and monitoring of the Meadow River Mudbug (*Cambarus pauleyi*), a primary burrowing species of crayfish: Efforts, results, and implications [2.3]

10:20 – Boyd et al. – Exploring the linkages between physiology and thermal tolerance in crayfish and mussels [2.4]

10:40 – Break

11:00 – Davis et al. – Advancements in the understanding of *Cambarus monongalensis* life history and ecology [2.5]

11:20 – Barnett – Trophic niches of terrestrial and lotic crayfishes [2.6]

11:40 – Quebedeaux et al. – Modeling the distribution of a rare, endemic crayfish [2.7]

12:00 – 1:00 – Lunch

1:00 – Bauerlien et al. – Contrasting patterns of population structure in sympatric southeastern US crayfishes with distinct burrowing traits [2.8]

Management

1:20 – Wagner and Todd – Preliminary comparison of three trap types for recreational crayfish harvest [2.9]

1:40 – Foltz et al. – Utilizing opportunistic data in order to aid in the recovery of a Federally Threatened crayfish species: A case study on the first Biological Opinion issued for the Big Sandy Crayfish (*Cambarus callainus*) [2.10]

2:00 – Graham – Integrating functional biology with the conservation and management of crayfish [2.11]

2:20 – Elliott et al. – Evaluation of carbon dioxide and water flow as control techniques for invasive Red Swamp Crayfish [2.12]

2:40 – Delekta et al. – The conservation concern of *Faxonius* sp. (Decapoda: Cambaridae) from the Lower Tennessee-Beech sub-basin [2.13]

3:00 - Break

3:20 – Strandmark et al. – Evaluation of fish predators as biological control agents to manage and eradicate Red Swamp Crayfish (*Procambarus clarkii*) invasions in Michigan [2.14]

3:40 – Budnick et al. – Evaluation of five trap designs for eradication of invasive Red Swamp Crayfish (*Procambarus clarkii* Girard) in southern Michigan: Catch per unit effort, size, and sex biases [2.15]

4:00 – Discussion

9:10 – Session 3 - Contributed papers – Students – Organizers and moderators – Chas Gowan, Amanda Rosenberger

9:20 – Price et al. – Rapid genetic sex identification in Brook Trout [3.1]

9:40 – Harried et al. – Host selectivity and local environmental conditions determine cutaneous microbiome structure of North Texas stream fishes at the onset of drought [3.2]

10:00 – Jonagan and Jackson – A genetic evaluation of dam impacts on Sauger (*Sander canadensis*) movement patterns in the Arkansas River [3.3]

10:20 – Hecke and Alford – Movement and home range of the Sickle Darter (*Percina williamsi*) in the upper Emory River watershed [3.4]

10:40 – Break

11:00 – Mouser et al. – Influence of salinization on freshwater crustaceans (Decapoda: Amphipoda, Astacidea Brachyura, Caridea, and Isopoda) [3.5]

- 11:20 – Reagan – Phenotypic plasticity in size and growth of invasive Mayan cichlids from South Florida [3.6]
- 11:40 – Ganser et al. – Capture-mark-recapture assessment of two populations of Tennessee Heelsplitter (*Lasmigona holstonia*) in southwestern Virginia and southeastern Tennessee [3.7]
- 12:00 – 1:00 – Lunch
- 1:00 – McCall et al. – The effect of climate change on southeastern U.S. headwater systems [3.8]
- 1:20 – Owens et al. – Investigating ecological links between floodplain forests and aquatic communities [3.9]
- 1:40 – Montague and Shoup – Effects of voltage threshold on the response of Flathead Catfish to low-frequency electrofishing fields [3.10]
- 2:00 – Montague and Shoup – Effects of temperature on gear bias of low-frequency electrofishing for Flathead Catfish *Pylodictis olivaris* in reservoirs [3.11]
- 2:20 – Stark et al. – Let's eat! A look at the diet of the invasive Flathead Catfish (*Pylodictis olivaris*) in the Susquehanna River Basin, PA [3.12]
- 2:40 – Gragson and Fox – Comparison of first and second pectoral fin ray for use in aging Shortnose Sturgeon (*Acipenser brevirostrum*) in Georgia [3.13]
- 3:00 – Break
- 3:20 – Kohli et al. – Pathogen lesions and parasite invasions in American Eels [3.14]
- 3:40 – Aldridge et al. – Towards standardized fisheries management plans [3.15]
- 4:00 – Salinger and Lochmann – Seasonal diet composition of hybrid Striped Bass and Largemouth Bass in DeGray Lake, Arkansas: Preliminary results 2019-2020 [3.16]
- 4:20 – Ferguson et al. – Navigating the paradoxes of invasivorism: a techno-economic analysis for a conceived alternative Asian carp supply chain [3.16]
- *Contributed papers - Students continues on Friday -*

1:00 – Women's Leadership Group – Jessica Bauman, convener. Live session, approximately 3 hours.

- 2:00 – *Session 4 - Contributed papers – Professionals* – Eric Hallerman, moderator.
- 2:00 – Kazyak et al. – Population genetics of Brook Trout (*Salvelinus fontinalis*) in the southern Appalachian Mountains [4.1]
- 2:20 – Schall et al. – Comparing the use of multiple molecular techniques for identification of prey items in invasive Flathead Catfish (*Pylodictis olivaris*) diets [4.2]

- 2:40 – Kim et al. – Linking male reproductive success to nesting effort within and among nests in a co-breeding stream fish, Bluehead Chub [4.3]
- 3:00 – Break
- 3:20 – Evans et al. – Diet analysis in Blue Catfish illustrates advantages of high-throughput sequencing compared to morphological methods [4.4]
- 3:40 – Dorsey – Evaluation of Striped Bass stocking at Badin Lake using parentage-based genetic tagging [4.5]
- 4:00 – Saillant et al. – Population structure of Atlantic Blackfin Tuna *Thunnus atlanticus* as inferred from microsatellite markers [4.6]
- Contributed papers – Professionals continues on Friday*

Online – posters displayed

4:20-5:50 – Session 5 – Posters – Dan Michaelson, organizer – Poster session, live interaction in two chatrooms

Chatroom 1 - Dan Michaelson, moderator

Professional posters

- Warren et al. – Freshwater fishes of North America [5.1]
- Anderson et al. – Satellites, sondes, and shallow water fishes: A habitat restoration evaluation [5.2]

Student posters - Finfishes and general ecology

- Valentine et al. – Structure and scale in spatially synchronous southeastern US trout populations [5.3]
- Silwal et al. – A typology of anglers in Tennessee: Catch orientation and species preference for stocking public lakes [5.4]
- Marchant et al. - Effects of intracoelomically injected Microcystin-LR on channel catfish (*Ictalurus punctatus*) [5.5]
- Cary and Rosenberger – Habitat associations of Blotchside Logperch (*Percina burtoni*) and the availability of habitat for a reintroduced population in Abrams Creek, Tennessee [5.6]
- Cogburn et al. – Spatial assessment of Sickle Darter (*Percina williamsi*) diet and microhabitat utilization in the upper Tennessee River basin [5.7]
- Jackson and Asch – Climate change and multiple stressors in marine environments: A meta-analysis and modeling study of interactions between ocean acidification and changing seasonality [5.8]
- Wright and Westhoff – A novel method to assess substrate compaction in lotic systems [5.9]
- Giewat et al. – Detecting sublethal effects of harmful algal bloom cyanotoxins in animal cells [5.10]
- VanderBloemen and Miranda - Imperilment of the Tennessee–Tombigbee Waterway due to the presence of bigheaded carps [5.11]

- Stevens et al. – A comparison of population dynamics of invasive bigheaded carp from established populations [5.12]
- Clark and Engman – The trophic ecology of an invasive species in a novel ecosystem: Green Sunfish (*Lepomis cyanellus*) in an urban stream [5.13]
- Tao and Morrow - Impervious surfaces and stream health factors: A study using machine learning techniques and multivariate statistical analysis [5.14]

Chatroom 2 – Brian Watson, moderator

Student posters - Crayfishes

DeVries – Water quality monitoring for the central Appalachian coalfields crayfishes [5.15]

Miller and Loughman – Trophic partitioning of *Cambarus carinirostris*, *Cambarus robustus*, and *Faxonius obscurus* in Kings Creek, WV by stable isotope analysis [5.16]

Diehl et al. – A behavioral study of *Lacunicambarus thomai* in a field setting [5.17]

O'Brian et al. - Evaluation of pet trade regulations for management of invasive crayfish in Midwestern states [5.18]

Whitson et al. - The presence and impacts of pollutants on central Appalachian crayfishes [5.19]

Shanor et al. – Genetic haplotype mapping of the Allegheny Crayfish (*Faxonius obscurus*) [5.20]

Allison et al. – Human dimensions of crayfish conservation in Appalachian coalfields [5.21]

Scott – Specific microhabitat utilization and resource partitioning of the federally protected species of crayfish (Decapoda: Cambaridae) *Cambarus callainus* and the sympatric Cambarid species *Cambarus hatfieldi* [5.22]

Dillard and Loughman – Big Sandy Crayfish (*Cambarus callainus*) habitat affinity in proximity to bridges and assessed via radio telemetry [5.23]

Friday, April 9th

Each presentation slot is 20 minutes, including a 15-minute presentation and 5-minute Q&A.

Abstract numbers (in parentheses) refer to the location of that abstract in the compilation.

9:00 – *Announcements*

9:10 – *Session 6 - Symposium continued: Black Bass Biodiversity, Conservation, and Management - Andrew Taylor, Brandon Peoples, and Martin Hamel, organizers – Martin Hamel, moderator*

Largemouth Bass Conservation & Management

9:20 – Silliman et al. – Diagnostic SNPs for determining genetic integrity and hybridization among Delta, Largemouth Bass, and Florida Bass [6.1]

9:40 – Perry et al. – Stocking spatial planning: Examining trade-offs in Largemouth Bass recreational fisheries systems [6.2]

10:00 – Beaman and Catalano – Evaluating mechanical removal rates for rehabilitating over-crowded Largemouth Bass populations in Alabama small impoundments [6.3]

10:20 – Chrisman – Changes in Largemouth Bass *Micropterus salmoides* population characteristics in the early stages of an Alabama Bass *Micropterus henshalli* invasion of Lake Wylie, North Carolina/South Carolina [6.4]

10:40 – Break

Bookend Talks & Discussion

11:00 – Troia and Perkin - Can bioenergetics modeling refine spatially-explicit assessments of climate change vulnerability? [6.5]

11:20 – Bonvechio et al. – Georgia's newly revamped angler awards [6.6]

11:40 – Crain et al. – The Native Black Bass Initiative: 10 years of success [6.7]

12:00 – Discussion

9:10 – Session 7 – Symposium: American Eel Research and Conservation in the Southeast: A Look at Progress and Next Steps – Robby Maxwell, Sean Kinney, Stephen Curtis, and Kevin Mayes

Gulf of Mexico – Stephen Curtis, moderator

9:20 – Quinn – Conservation and biology of American Eel in the Gulf of Mexico [7.1]

9:40 – Vale et al. – Preliminary assessment of American Eel demographics at the Toledo Bend Hydropower Project, Sabine River, Gulf of Mexico [7.2]

10:00 – Rider et al. – Status and survey of American Eel (*Anguilla rostrata*) in Alabama [7.3]

10:20 – Blische et al. – Distribution and detection of American eels *Anguilla rostrata* in Mississippi [7.4]

10:40 – Break

11:00 – Curtis et al. – American Eel in Texas: Ongoing and future research [7.5]

11:20 – Maxwell and Kinney – American Eel (*Anguilla rostrata*) in Louisiana: Ages, growth rates, diet, and emerging patterns [7.6]

11:40 – Quinn et al. – Migration dynamics of American Eels *Anguilla rostrata* in Ouachita-Black-Red-Atchafalaya River navigation system, Arkansas and Louisiana [7.7]

12:00 – Lunch

Atlantic coast – Robby Maxwell, moderator

1:00 – Anstead et al. – American eel updates from the Atlantic States Marine Fisheries Commission [7.8]

1:20 – Tuckey et al. – American Eel recruitment, demographics and disease in Virginia [7.9]

1:40 – Cheatwood and Mack – Comparative analysis on a decade of American Eel passage at Roanoke Rapids, NC and at three additional East Coast hydropower projects [7.10]

2:00 – Holder and Bonvechio – Long-term monitoring project developed for spring runs in Florida's St. Johns River suggest these ecosystems may be important habitats for American Eels [7.11]

2:20 – Lavoie and Oliveira – Non-lethal detection of the invasive swimbladder parasite *Anguillicola crassus* in American Eels (*Anguilla rostrata*) [7.12]

2:40 – Discussion

9:10 – Session 8 – Symposium: Fishin' in the City: Strategies and Techniques to Connect Urban Anglers to Diverse Fishing Opportunities – Cynthia Fox Holt, Raphael Brock, and Tom Lang, organizers – Cynthia Fox Holt, moderator.

9:20 – Lang – Keynote: It's just fishing ... or is it? The strategic service of urban and community fisheries [8.1]

9:40 – Balsman – An overview of Kentucky's urban fishing program: challenges, opportunities, and strategies going forward [8.2]

10:00 – McCrickard et al. – Building upon success – Virginia's FishLocalVA Program [8.3]

10:20 – Jackson – Family and community fishing program family fun day events: A Recruitment, Retention, and Reactivation (R-3) approach to the outdoors in Arkansas [8.4]

10:40 – Break

11:00 – Discussion

9:10 – Session 9 – Symposium: Managing Cold Water Designated Uses with Traditional Concepts of Natural Resource Management – Jonathan Leiman, Anna Kasko, Guido Yactayo, and Jeff White, organizers – Jonathan Leiman, moderator

9:20 – Leiman et al. – Managing cold water designated uses with traditional concepts of natural resource management [9.1]

9:40 – Kashiwagi and Eshleman – Development of Maryland coldwater resources mapping tool [9.2]

10:00 – Eshleman and Staley – Evaluating the thermal impact of small ponds in Maryland trout watersheds [9.3]

10:20 – Hitt et al. – Groundwater dynamics define Brook Trout thermal habitat and restoration opportunities in Canaan Valley National Wildlife Refuge [9.4]

10:40 – Break

11:00 – Discussion

9:10 – Session 10 - Contributed papers – Students – Organizers and moderators – Chas Gowan, Amanda Rosenberger

9:20 – Glomb et al. – Assessing Hydrilla spread and subsequent impacts on sportfish communities in Lake Sinclair, Georgia [10.1]

9:40 – VanderBloemen and Miranda – Bigheaded carps influence on a clupeid species within the Tennessee River [10.2]

10:00 – Vaddi and Morrow – Impervious surfaces on stream health and biodiversity: A study on Virginian stream health using machine learning [10.3]

10:20 – Hoogakker and Rogers – Exploring synchrony in black bass angler activity and management actions across Tennessee reservoirs [10.4]

10:40 – Break

11:00 – Vaisvil et al. – Movement patterns of Striped Bass (*Morone saxatilis*) in the Robert S. Kerr River-Reservoir complex [10.5]

11:20 – Bartlett and Asch – Projected changes of the distribution of Nassau Grouper spawning habitat and its management implications [10.6]

11:40 – Takacs et al. – Population estimates of juvenile Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*) in the Edisto River, SC [10.7]

12:00 – Lunch

1:00 – Loesser and Siders – Two-dimensional photogrammetry as a tool for morphological analysis: An example with shark teeth [10.8]

1:20 – Love et al. – Collapse of an historic oyster population: Impacts of habitat loss on estuarine populations in Apalachicola Bay, FL [10.9]

1:40 – Campbell et al. – Effects of physical and oceanographic characteristics on reef fish community structure at GRNMS both inside and outside of an MPA [10.10]

2:00 – Thurman et al. – Olfactory discrimination in juvenile bonefish (*Albula goreensis*) in response to food, predator, and habitat cues [10.11]

2:20 – Davis and Sakaris – Temporal and spatial dynamics of sympatric Redbreast Sunfish and Green Sunfish populations in an increasingly urbanized watershed [10.12]

9:10 – Session 11: Contributed papers – Eric Hallerman, moderator.

9:20 – Herrigan et al. – Land-use and habitat characteristics associated with the presence of the Sandhills Chub (*Semotilus lumbee*) [11.1]

9:40 – Smith and Wellman – Population demographics of small impoundment Bluegill fisheries in northern West Virginia [11.2]

10:00 – Dluzniewski et al. – Investigating drivers of seasonal shifts in fish abundance in the Homosassa River system [11.3]

10:20 – Fabrizio et al. – The extent of seasonally suitable habitats may limit forage fish production in a temperate estuary [11.4]

10:40 - Break

11:00 – McManamay et al. – A meta-analysis of environmental flow standards and thresholds in Texas rivers [11.5]

11:20 – Elmo et al. – Validity of daily and annual age estimation and back-calculation methods for juveniles of a subtropical-tropical species, the Atlantic Tarpon (*Megalops atlanticus*) [11.6]

11:40 – Bauerlein et al. – Documentation of extreme catch-and-release exploitation and abundance in a southern riverine Muskellunge population from a 4-year tagging study [11.7]

12:00 – Lunch

1:00 – Wheeler and Dockendorf – NCIFD: An R Package for the Inland Fisheries Division of the North Carolina Wildlife Resources Commission [11.8]

1:20 – Rodger and Starks – Statewide evaluation of Oklahoma's lotic Blue and Flathead Catfish populations [11.9]

1:40 – Baudoin et al. – Investigation of fish species susceptibility to antimycin a for control efforts with invasive Asian carp [11.10]

2:00 – Meighan and Cushing – Implementing integrated pest management strategies on small impoundments [11.11]

2:30-4:00 - Business meeting - Virginia Chapter – Brad Fink, convener