

# Southern Division News



Researchers conducting shark field work for a collaboration between Georgia Aquarium, Kennesaw State University, and University of Georgia. Photograph Credit: Georgia Aquarium

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| Louisiana      | Virginia            |
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| Mississippi    | West Indian Islands |
| North Carolina | West Virginia       |

Questions/Comments:

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## The President's Message Jason Olive, SDAFS President

Southern Division Members,

*The following is an abbreviated version of my Incoming President's Speech from the 2022 SDAFS Business Meeting in Charleston last month.*

I am humbled by the opportunity to lead this division for the next year. I honestly never imagined myself being a Southern Division officer. When I first started coming to these meetings, the officers were people like Jeff Boxrucker, Pat Mazik, and Bob Curry. I certainly wouldn't put myself in the same category as those folks nor many of the others who have preceded me. So I thank you from the bottom of my

heart for your confidence in electing me, and I look forward to serving you over the next year.

In this first President's Message, I want to briefly tell you about my goals for the upcoming year. First, serving on the AFS Governing Board over the past year and a half has given me the opportunity to interact with officers from the other AFS divisions and discuss things that they do differently than us. One such thing is that some division EXCOMs hold virtual meetings throughout the year with Chapter Presidents to help

# The President's Message (continued)

## Jason Olive, SDAFS President

keep the connection tight between the division and the chapters. Some of them get AFS staff such as Policy Director Drue Winters to join these calls occasionally to update the chapter leadership on policy issues and other things. I would like to try to have 1 or 2 such meetings over the coming year. If officers don't find it valuable, Mark can decide not to do it again in 2023, but I want to give it a shot. Second, I intend to make an intentional effort to reengage the state agency Fish Chiefs with the technical committees. This was the original intent for these committees when they were formed. The Fish Chiefs would communicate needs they had that could potentially be addressed by these committees. This could be research, professional development, symposia, etc. The Chiefs would then commit to sending staff to the annual SDAFS conference to participate in these activities. I think we need to reconnect that linkage between the Chiefs and the SDAFS technical committees. I know some of my predecessors have worked on this, but I think it's time to give it another shot.

Finally, I want to talk about our division awards. First I want to tell you a story. I was at a retirement party last year for a wildlife biologist who had worked in the same regional office as me for 10–12 years. We didn't collaborate on a lot of projects, but we had meals together, talked in the hallway, and were generally aware of what each other was up to. As I stood up at the party to talk about how much I appreciated this gentleman's work ethic, his character, and his collegiality, it occurred to me....why do we wait until retirement parties, or even worse, funerals, to talk about how much we appreciate people? This is certainly not unique to Southern Division AFS. The Parent Society struggles to get award nominations; my agency gives a fisheries biologist of the year award that is peer driven, and we have to beg people to send in a nomination, and there are usually only 1 or 2 nominated after begging. I will say that I have been as guilty as anyone about not submitting award nominations. I col-

laborated with a group of people last year to nominate Steve Miranda for SEAFWA's CW Watson Award, and I can tell you that seeing Steve accept that well-deserved award was one of the most gratifying things that I have done in a long time. And I think about Tom Kwak, and how highly I have thought of him for so many years, and yet I never took the time to nominate him for any award that he very much deserved. So I want to implore you all, don't wait until someone's retirement, or God forbid, their funeral to express your appreciation for the work that they do. I think we all agree that what we do in fisheries is important work for society, and we need to start recognizing our peers who make such valuable contributions to our field and to society as a whole. So next year when our new Awards Committee Chair, Alice Best, sends out solicitations for division award nominations, I want to challenge you all as the membership to overwhelm her and the committee. You will be hearing more from me about this throughout the year. We're going to make this a high priority.

I will end where I started with a sincere thank you and I look forward to working with you throughout the next year.

Tight lines,

*Jason*



## UPCOMING MEETINGS



# 152nd ANNUAL MEETING

# Spokane

## AUGUST 21-25, 2022

The American Fisheries Society, President Leanne Roulson, the AFS Western Division, and the Washington – British Columbia Chapter are excited to host the [152nd AFS Annual Meeting, August 21-25, 2022](#), in the second largest city in **Washington State, Spokane**. The city of Spokane is on the Spokane River, part of the Snake and Columbia River system, making it ideal for examining the variety of roles and meanings of fish in science and culture. The Spokane area, part of the unceded lands of the Spokane Tribe, is rich in resident and migratory fish and wildlife important to indigenous peoples of the area. We hope that you will take advantage of this opportunity to experience and explore this focal area for fish, fisheries conservation and management, and human resource use.

We will bring together professionals from across North America and countries around the world under the theme of “What Do Fish Mean to Us?”. In the spirit of exploring differing perspectives, we are soliciting symposia topics, collaborative efforts, contributed papers, and posters that exemplify the latest research in fisheries science and that will benefit a range of audiences with the aim of advancing the science of fisheries ecology, conservation, and management.

The deadline for [abstract submissions](#) is **April 8th, 2022**. [Registration](#) will be opening soon!

## UPCOMING MEETINGS



# JASM 2022

GRAND RAPIDS, MICHIGAN, MAY 14 - 20

Mark your calendars for the [Joint Aquatic Sciences Meeting](#) in Grand Rapids, Michigan, May 14-20, 2022.

The Joint Aquatic Sciences Meeting (JASM) will be the world's largest gathering of aquatic scientists, students, practitioners, resource agency staff, and industry representatives in history. JASM's parent organization, The Consortium of Aquatic Science Societies (CASS), is comprised of 9 groups representing various interests within the aquatic science realm. The JASM 2022 meeting is designed to bring together deep, multidisciplinary subject-matter expertise to collaboratively educate one another and solve the complex environmental problems facing our society and our planet today.

The meeting will be held at the [DeVos Place](#) convention center and it is organized by the Consortium of Aquatic Science Societies (CASS), which includes:

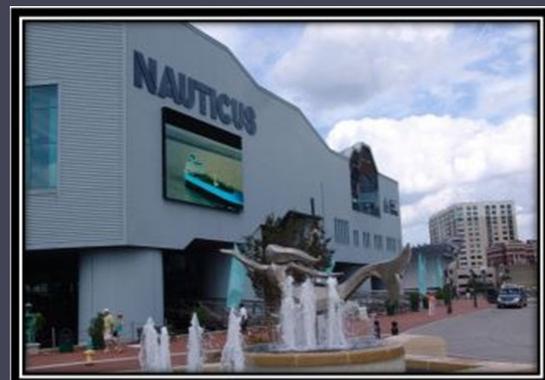
- [American Fisheries Society](#)
- [Association for the Sciences of Limnology and Oceanography](#)
- [Coastal and Estuarine Research Federation](#)
- [Freshwater Mollusk Conservation Society](#)
- [International Association for Great Lakes Research](#)
- [North American Lake Management Society](#)
- [Phycological Society of America](#)
- [Society for Freshwater Science](#)
- [Society of Wetland Scientists](#)

[REGISTER HERE](#)

## UPCOMING MEETINGS



The Virginia Chapter is excited to host the [2023 Southern Division](#) meeting in Norfolk from February 1–5. Founded in 1682 and located along the Elizabeth River and mouth of the Chesapeake Bay, Norfolk is rich with history. The city is very walkable and has plenty to offer from its naval base, to museums and art galleries, tours, and hundreds of restaurants and breweries. The [airport](#) services several major airports throughout the southeast. For more information about the variety of things to do in Norfolk, check out [Visit Norfolk](#). We look forward to getting back to normal and seeing you in Norfolk in February 2023!



## UPCOMING MEETINGS



### [The Wild Trout Symposium XIII: Reducing the Gap Between Science and Public Opinion](#)

September 27–30, 2022

**Deadline for abstract submission: April 1st, 2022**

The Wild Trout Symposium brings together a broad and diverse audience of governmental agencies, non-profit conservation groups, media representatives, educators, anglers, fishing guides, and business interests associated with trout fisheries to exchange technical information and viewpoints on wild trout management and related public policy. Held every three years, each symposium has led to innovative wild trout management approaches.

Wild Trout XIII offers a unique forum for professionals and anglers to interact, and where participants are exposed to the latest wild trout science, technology and philosophies. This conference will equip participants to better manage, preserve, and restore these significant but threatened resources.

The symposium plenary session will explore the gap between fisheries science and the opinions of the angling public. While public opinion is often based on knowledge of the latest fisheries science, that is not always the case, placing management decisions in the gap between science and the desires of anglers. The plenary speakers will discuss ways to reduce that gap, from scientific, management, and conservation perspectives.

The following topics are of particular interest to the organizing committee and may be developed as entire sessions, given sufficient interest. We especially encourage submissions on the first two topics, to further the discussion of ideas presented by the plenary speakers. However, presentations on all aspects of wild trout research, management, conservation, education, and recreation are welcome and will be considered in the call for papers.

Proposed session topics:

- Applied science to address public viewpoints
- Engaging the public in science and management of wild trout
- Wild trout: worldwide perspectives
- Molecular studies to support wild trout conservation
- Special regulations: have we gone full circle or have some issues never gone away?
- Wild trout socioeconomics: understanding a diverse group of users and values
- Wild trout population monitoring techniques – including further understanding of impacts of global climate change, population dynamics, and evolutionary ecology
- Brook trout research and management across the species' historic and introduced range
- Cold, clean, complex, and connected: understanding and restoring wild trout habitat to prepare for a changing world

Additional session topics will be added based on the papers that are submitted. Presentations will be accepted in oral or poster format. Please note the authors who are selected for oral presentations at the symposium must submit a complete manuscript (about 8 pages single spaced including tables, figures, and references) ready for Symposium Proceedings publication by August 1, 2022. Successful applicants will receive further information upon acceptance of their paper. We anticipate providing notification to authors by the third week of May.

Complete abstract preparation guidelines and online submission forms can be found [HERE](#).

## SDAFS COMMITTEE UPDATES & NOTICES



American Fisheries Society



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## SDAFS COMMITTEE UPDATES & NOTICES

### *Resolution Committee Report*

Have you got a resource issue the SDAFS can help you with? Do you want to enlist the help of others to deal with it? Then, why not consider writing a SDAFS resolution or suggesting a resolution topic or issue?

Chapters and Chapter Subunits are encouraged to submit resolutions for SDAFS membership consideration. Every fishery encompasses three essential elements: habitat, aquatic species and people. Any issue that impacts those elements may be worthy of a Division resolution. External or General Resolutions are those that place the views of the Division on record on matters of broad concern. Such resolutions follow the review, publication, notification, comment, and approval process before they are eligible for presentation to the membership for a vote. This process is found as a link at: <https://sd.fisheries.org/resolutions/>. Resolutions can be submitted at any time but they must be published in a SDAFS newsletter prior to the SDAFS Annual Business Meeting. Resolutions are voted on at the SDAFS Annual Business meeting.

All the SDAFS resolutions adopted since 2005 are posted on the SDAFS website at: <https://sd.fisheries.org/resolutions/>

Resolutions should be sent to [Dennis Riecke](mailto:dennis.riecke@wfp.ms.gov), Resolutions Committee Chairman [dennis.riecke@wfp.ms.gov](mailto:dennis.riecke@wfp.ms.gov) (w. 601-432-2207).

Membership on the SDAFS Resolutions Committee is open to anyone who is a dues paying member of the AFS. Contact Dennis Riecke if you are interested in joining the committee.



### ***SCAM Alert!***

If you receive an email that appears to be from an AFS officer (or any AFS Chapter / Subunit) asking for gift cards, money, or any personal information, **it is a [phishing scam](#)**. I have been receiving these scam emails that appear to be from AFS officers for a couple of years, and now they are using SDAFS officer names. So please be aware of these emails and don't get scammed!

-Jason Olive, SDAFS President

## AWARDS & SCHOLARSHIPS

### The SDAFS Warmwater Streams Committee Jimmie Pigg Memorial Student Scholarship Announcement

At the 2022 SDAFS meeting, the Warmwater Streams Committee (WWSC) awarded two graduate students (one Master's and one Ph.D.) Jimmie Pigg Memorial Scholarships. Congratulations to:



**Katie Morris** (MS candidate) at the **University of Arkansas** Pine Bluff for her work assessing the impacts of fragmentation on the distribution and habitat use of Paleback Darter in the Ouachita Mountains, and

**Matthew Lewis** (PhD candidate) at **Auburn University** for his work on the conservation and genetic assessment of Alabama's Redeye Bass.



## SDAFS CHAPTER & SUBUNIT UPDATES

### Arkansas Chapter AFS



The Arkansas Game and Fish Commission has partnered with

the Douglas Lab at the University of Arkansas to investigate the diversity of Smallmouth Bass throughout Arkansas. Arkansas is home to both the Neosho and Ouachita lineages of Smallmouth Bass. The study aims to genetically characterize these unique lineages by single nucleotide polymorphisms (SNP) loci and mitochondrial DNA. This will help determine the fine-scale distribution of the distinct lineages and assess genetic diversity within each lineage. Additionally, the study will be quantifying the extent of hybridization occurring by comparing present day samples to historic samples. Finally, we are collecting morphological samples to distinguish distinct lineages using geometric morphometrics and meristics. So far, we collected 971 genetic samples and 150 morphological samples from 72 sites. Processing these samples is underway by the Douglas Lab. Results of this study will indicate where pure populations exist, whether certain populations can be used as brood sources for stocking, and create a way to identify the unique lineages in the field. Additionally, this study is crucial for developing conservation and recovery plans for the unique lineages of Smallmouth Bass in Alabama.



## SDAFS CHAPTER & SUBUNIT UPDATES

### Louisiana Chapter AFS



The Louisiana Chapter of the American Fisheries Society hosted a field training/bio blitz for members and non-members in Kisatchie National Forest the Weekend of December 4<sup>th</sup>. The first half of the training involved overnight camping for 11 students and professionals and nighttime electrofishing sampling on a 22 acre lake. Attendees were trained in techniques used in boat mounting electrofishing, night time sampling, fish ID, and taking morphometrics from sampled specimens. The second half of the training took place the next day where a group of 18 bio blitzed Drakes Creek and Bundick Creek for fish, mussels, crayfish, and invertebrates. Stream sampling techniques using back pack electrofisher, seines, and invertebrate nets were used to capture a total of 28 and 22 species at Drakes and Bundick creek, respectively.

The Louisiana Chapter of the American Fisheries Society would like to announce their annual meeting will be held on May 26 and 27<sup>th</sup> in Thibodeaux, LA. If you would like to attend or have any questions please e-mail Sean Kinney ([skinney@wlf.la.gov](mailto:skinney@wlf.la.gov)).



Robby Maxwell, LDWF Biologist, leads the discussion on fish ID for the group after the completed Bio-blitz on Drakes Creek in Kisatchie National For-



Mussel sampling on Bundick Creek near Wolf Rock Cave in a stretch heavily impacted by Hurricane Laura.

## SDAFS CHAPTER & SUBUNIT UPDATES

### Clemson University

**Update.**—As the fall of 2021 approached, many prior leaders of the Clemson subunit graduated and successfully found fisheries positions for the next step in their career. For instance, Hannah Mulligan, the previous president of the Clemson subunit, accepted a Master's position at South Dakota State University studying the risk of Asian Carp spread through the live bait trade. We also welcomed a third fisheries professor to Clemson, Dr. Luke Bower, who recently completed his Post-Doctoral fellowship at Clemson prior to accepting his new position. Dr. Bower has also been an active member and great mentor to the chapter thus far.

With many leaders graduating, new leaders were nominated to lead the organization into the new year (Fall 2021–Spring 2022). For the future of the organization, both graduate students and undergraduate students are encouraged to join this community.

#### 2021-2022 Leadership

Caroline Cox (M.S Student), President  
 Tyler Zumwalt (M.S. Student), Vice President  
 Madison Byars (B.S Student), Secretary  
 Isabel Tiller (B.S. Student), Treasurer  
 Billy Annis (Ph.D. Student), Social Media Coordinator

**Events.**—The Clemson subunit has returned to in-person meetings and events while still following COVID safety protocols. In fall of 2021, we had two successful recruitment events (a “Pig Pickin” and a chili cookoff) that included students, faculty, and professionals within the SC Department of Natural Resources. These events were excellent networking opportunities and consisted of many engaging fisheries discussions. They were a great way to kick off the beginning of new leadership within the unit.

During the fall as part of Dr. Troy Farmer's Fish Management course, many AFS members also visited the Walhalla Fish Hatchery at the peak of the Brook Trout spawning season. We were able to see how adults are reared, spawned, and harvested, as well as how eggs are fertilized and incubated. The Walhalla Fish Hatchery, located in northern Oconee County, SC, raises brook, brown and rainbow trout for stocking the state's public waters in support of recreational fishing.



## SDAFS CHAPTER & SUBUNIT UPDATES

Clemson University (continued)

**Facebook Group.**—Clemson PhD student, Aaron Bunch, maintains the [Southern Division AFS Facebook group](#). This group includes AFS members from the southern states who meet regularly to discuss research findings and management applications pertaining to the region.

To complement the "[Fish & Aquatic Sci Pubs](#)" private Facebook group, another sister group specializing in statistics has been created. The new "Fish & Aquatic Sci Stats" is the place for questions, discussion, and sharing R code related to fisheries and aquatic sciences. This is a safe place for the novice. The foundation for your research is the study design, data, and data analyses you choose to run. This foundation provides evidence-based thoughts and discussion to inform your audience. We hope this forum for learning will help you with your work and lead to good science.

**Fisheries Diversity and Inclusion Podcast Update.**—With over 2,500 downloads to date, co-hosts and guests engage in incredibly important discussions regarding diversity, equity, and inclusion with emphasis on all aspects of fisheries. We want to share our gratitude especially to [The Fisheries Podcast](#) team, who were already doing some important DEI episodes, and they graciously offered to have our podcast episodes loaded on their already established podcast feed. Feel free to have a listen. See links below.

[Episode #1: Co-host Introductions & Why we started](#)

[Episode #2: The Ladies of MISS - Minorities in Shark Sciences \(SHARK WEEK SPECIAL!\)](#)

[Episode #3: Transcending Fisheries - Learn about the Black Lives Matter movement](#)

[Episode #4: AFS Diversity and Inclusion Themed Day Preview](#)

[Episode #5: Highlighting a Grassroots Initiative in the South Carolina LowCountry](#)

[Episode #5: Podcast only](#)

[Episode #6: New co-host welcome!](#)

[D&I Podcast Ep.7 - "Two-Eyed Seeing": An Indigenous Framework to Transform Fisheries | The Fisheries Podcast \(podbean.com\)](#)

[D&I Podcast Ep. 14 - Inclusion can happen now and here's how | The Fisheries Podcast \(podbean.com\)](#)

## SDAFS CHAPTER & SUBUNIT UPDATES

*Clemson University (continued)*

### Student Research Spotlight

**Ridge Sliger (Ph.D. Student)** completed his BS in Biological Science from Lee University in 2018, while contributing to the Michigan Arctic Grayling Initiative's efforts to evaluate reintroduction habitat for the fish. Thereafter, he received his MS in Forestry and Natural Resources from the University of Georgia in 2020, where he researched the comparative optimal foraging behavior of wild southern and hatchery-reared northern brook trout. His PhD research is focused on small-bodied fish passage through road culverts.

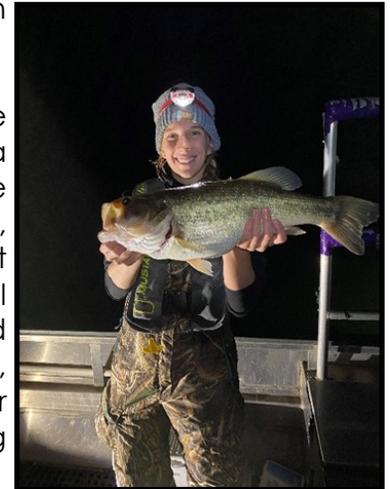
**Isabel Tiller (Undergraduate)** is an undergraduate student at Clemson University studying Fisheries and Wildlife Biology. She conducts research with Dr. Troy Farmer as part of the Creative Inquiry program at Clemson. Creative Inquiry was designed for students to take on problems that spring from their own curiosity, from a professor's challenge or from the pressing needs of the world around them. Team-based investigations are led by a faculty mentor and students take ownership of their projects to solve problems.



Isabel was part of the Black Bass Reservoir Ecology CI working with graduate student Deon Kerr and Dr. Troy Farmer this past semester. Students in this the Black Bass Reservoir CI develop an independent project that investigates hypothesis-driven questions regarding fish habitat use in reservoirs. Isabel will be presenting a poster of her research at SDAFS along with some of her fellow CI students titled: "Do boat electrofishing catch rates of Alabama Bass and Largemouth Bass differ between day and night?"



Isabel obtained over 60 hours of experience through the CI program performing data collection during daytime and nighttime surveys using acoustic telemetry, GIS plotting, water quality monitoring via YSI, boat electrofishing, backpack electrofishing, gill netting, seining, aging otoliths, trailering, and driving the boat, lake and stream sampling, identifying and handling over 20 freshwater fish species, recording data, and analyzing the data in R.



## SDAFS CHAPTER & SUBUNIT UPDATES

### University of Tennessee

The **University of Tennessee, Knoxville (UTK) AFS student subunit** is in a joint organization with the UTK Wildlife Society student chapter. Together, this organization is referred to as the UTK Wildlife and Fisheries Society (UTKWFS).

Despite the challenges posed by COVID-19, our organization was able to safely provide students with engaging educational opportunities in both virtual and in-person settings. We are extremely grateful for the professionals who donated their time and shared their invaluable insight and advice with us. We look forward to carrying the momentum we have built this spring into a safe return to campus and full in-person meetings this fall.

In late February, several members attended the Tennessee American Fisheries Society (TNAFS) virtual conference. Our members took this conference as an opportunity to learn



(UTK students left to right) President Gus McAnally, Former President Andrew Julian and Former Treasurer Raven Schuman with Dr. Brian Murphy (AFS President) at the 2021 National AFS meeting in Baltimore, Maryland. Awarded Most Outstanding Student Subunit

about relevant research that is happening across the state. Several of our members presented their research. We would like to congratulate members Zach Clark and Robby Cogburn for taking home first and second place, respectively, for Best Student Poster.

In March our members volunteered with Jeff Wright, the southeast coordinator for Trout Unlimited, to learn Brook Trout habitat assessment techniques in Cherokee National Forest. Our subunit also had the opportunity to hear from outside guests who work with different agencies and organizations in the career field. One of the first was Tennessee Valley Authority (TVA) biologist Jon Michael Mollish. In his seminar, he discussed with members about his career path and what his job entails with TVA.

Our guest speaker for the month of April was USFWS Fisheries Biologist Emily Judson. Emily works out of Ketchikan Misty Fjords Ranger District of the Tongass National Forest in Alaska. She shared great career advice and plenty of insight into the challenging and rewarding aspects of her job.

Later in April we were able to send members to the Southern Division American Fisheries Society (SDAFS) virtual conference. Our subunit was honored with the award for Best Student Subunit. Members Kyler Hecke, Robby Cogburn, and Zach Clark presented research at the conference. Students were able to attend numerous workshops and seminars regarding the most pressing conservation topics in the southeast.

## SDAFS CHAPTER & SUBUNIT UPDATES

*University of Tennessee (continued)*

Several members participated in the ongoing Pigeon River Recovery Project in May. This effort included backpack electrofishing in the French Broad River for ~200 Mountain Madtoms, which were then successfully translocated into the Pigeon River. This event provided students with a great opportunity to collaborate and network with professionals from Tennessee Department of Environmental Conservation (TDEC), TVA, and Tennessee Wildlife and Resources Agency (TWRA).

Our society also had the chance to have our own graduate student Kyler Hecke present a workshop titled "Snorkeling for Science." In this presentation, which was attended by 11 members, Kyler shared an introduction to the basics of snorkeling as a sampling method for fishes and mussels. Students who attended had the chance to attend the in-person field portion of the workshop and put these learned skills into practice.



*UTK WFS members participating in the Mountain Madtom translocation (2021).*

In early October several of our society members joined students from Tennessee Tech and TWRA to sample for Rainbow Trout on the Clinch River. Students learned how to sample using backpack electroshocking, assess good trout habitat, taking biometrics, and the insertion and activation of PIT tags used in fish.

Our student members also had the opportunity to begin volunteering with our fisheries PhD candidate, Jeronimo Silva, doing mussel sampling along the Clinch River. Students worked with Jeronimo and USFWS personnel working with mussel silos and monitoring the health/growth of small Pheasantshell mussels being researched.

Additionally, students also had the chance in early November to assist Tennessee Tech graduate students working with the natural reproduction and distribution of Rainbow Trout in the Clinch River. Students learned proper boat electrofishing techniques and rainbow trout sampling operations.

Later in November a few members attended the AFS National in-person meeting in Baltimore. Here the students were able to meet professionals and talk to current graduate students and learn more on current research across the country. While attending, our society was given the Most Outstanding Student Subunit award and were recognized among others at the annual business meeting.

## SDAFS CHAPTER & SUBUNIT UPDATES

### *University of Tennessee (continued)*

Towards the end of November, some of our student members also had the opportunity to help in harvesting Asian carp. Working with Tennessee Tech graduate student members learned how to properly set and pull gill nets, and how to take necessary biometric data from Asian carp such as measuring the fish, weighing out egg masses, and taking otolith samples.



*UTK WFS members sampling trout on the Clinch River, (2021).*

In December, students will work with TWRA and USFWS to help conduct Lake Sturgeon sampling along Ft. Loudon reservoir. Members will help over the course of 4 days in baiting and setting trot lines as well as pulling lines and working up any sturgeon caught.

Our club would like to congratulate member Kyler Hecke for successfully defending his Ph. D dissertation. Kyler has made a big impact here at UTK and we will certainly miss him as he forges his path forward at Arkansas Tech University. Thank you Kyler!

### **East Carolina University**

Over the past fall semester of 2021, ECU-AFS has been able to meet several times to discuss current service projects, particularly a project where we are planning to construct a series of informational kiosks along the Greenville, NC Greenway to educate the public about fishes living in the Tar-Pamlico River. We were also able to put together two outdoor activities this past semester. One event we went as a group to collect fossilized shark teeth from the Tar-Pamlico River, while during the other event we went kayaking in search for alligators!



ECU and NSCU student subunits at Green Mill Run Park,

## SDAFS CHAPTER & SUBUNIT UPDATES

### East Carolina University (continued)

The first trip at the beginning of the semester, we invited some members from the North Carolina State University-AFS (NCSU-AFS) student subunit to join us to hunt for fossilized shark teeth in Green Mill Run Park. This park is right down the road from ECU's campus and is a great place to cool off in the afternoon while also sifting for shark teeth that can be a couple of centimeters long and thousands of years old. The pictures below shows the ECU and NCSU student subunits participating in this event.



ECU and NSCU student subunits search for fossilized shark teeth at Green Mill Park, NC.



ECU students in the Alligator River near the historic logging town of Buffalo City, NC.

Our second trip was to a small historic logging town beside the Alligator River, called Buffalo City. There we were able to use kayaks from ECU's Coastal Studies Institute on a kayaking expedition through swamp trails in search of alligators and other coastal wildlife. We were able to see some great views and a few alligators and turtles on this trip. All group members did return unharmed and with amazing photos!

In terms of fieldwork, several members of ECU-AFS participated in a research project involving multiple lab groups from the ECU Department of Biology.

As part of this project, students and researchers acoustically tagged 100 southern flounder in Albemarle, Core, and Pamlico Sounds and tracked the flounder's offshore migration using the wave glider Blackbeard.

## SDAFS CHAPTER & SUBUNIT UPDATES

### *East Carolina University (continued)*

Lastly, this semester our group has been growing in size. We would like to acknowledge new members of ECU-AFS, including Chase Spicer, Caid Menzel, Paul Salib, and Anna Ward. Chase, Caid, and Paul are new students pursuing a Masters of Biology degree, while Anna is a first-year PhD student in the Interdisciplinary Doctoral Program in Biology, Biomedicine, and Chemistry. Collectively, they will be pursuing research projects focused on marine fish ecology, fisheries genetics and genomics, and STEM education. ECU-AFS is happy to have you join and contribute to our organization. Thank you so much for all your efforts and good luck with you graduate studies in the upcoming semesters!



ECU researchers (Eric Diaddorio and Joseph Luczkovich) with the wave glider Blackbeard (below) and ECU-AFS members Justin Mitchell and Paul Salib driving the R/V Cutting Edge during this research (left and right).



## PUBLICATIONS & BOOKS

### Clemson University—Student Member Publications

- Brumm, K.J., Hanks, R.D., Baldwin, R.F. and Peoples, B.K., 2021. **Accounting for multiple dimensions of biodiversity to assess surrogate performance in a freshwater conservation prioritization.** *Ecological Indicators* 122: 107-320.
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- Kaemingk, M., C. Bender, C. Chizinski, A. Bunch, & K. Pope. 2021. **Spatiotemporal invariance of social-ecological catchments. Ecological Applications.** Accepted Author Manuscript e2272. <https://doi.org/10.1002/eap.2272>
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## PUBLICATIONS & BOOKS

Bruner, John Clay, and Robin L. DeBruyne. 2021. [Yellow Perch, Walleye, and Sauger: Aspects of Ecology, Management, and Culture](#). Springer Fish & Fisheries Series book series (FIFI, volume 41):i-xii, 328 pp.

**PREFACE:** This book is a snapshot of a symposium originally planned for the 150th American Fisheries Society annual meeting in Columbus, Ohio, September 14–25, 2020. The symposium was entitled, “Biology, Management, and Culture of Walleye, Sauger, and Yellow Perch: Status and Needs” and 39 presenting groups, representing 165 percid researchers, were scheduled to give talks. The worldwide COVID-19 pandemic forced a switch to a virtual meeting causing 13 of the presenting groups to drop out of the symposium, leaving 26 talks and 83 people still involved. Some of the presenting groups enquired about the possibility of producing a symposium proceeding. A book proposal by John Bruner and Robin DeBruyne to Springer Fisheries Series was accepted. Twelve presenting groups of the remaining 26 decided to participate in the book proposal.

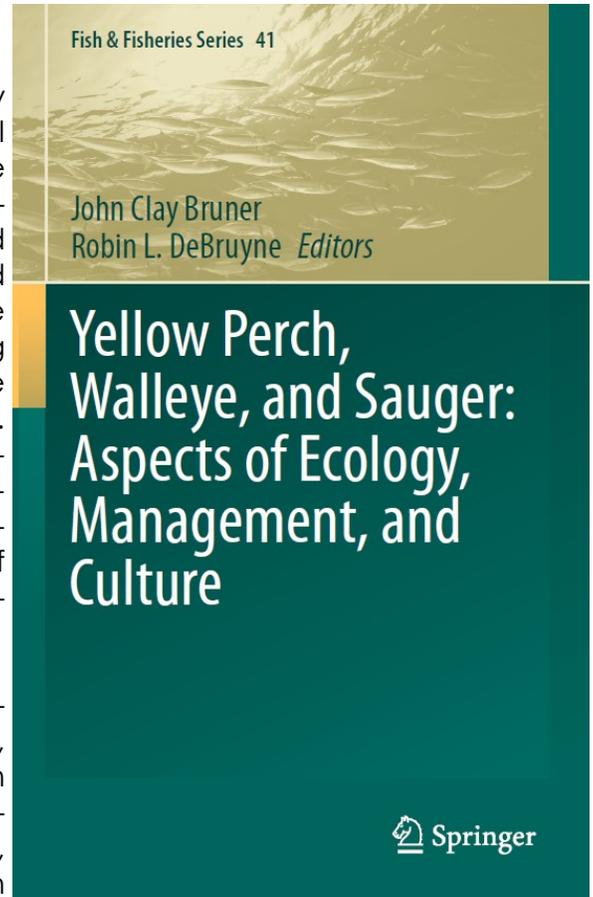
Walleye, one of the most sought-after species of freshwater sport fishes in North America, and its “sister” species, the Sauger, have demonstrated appreciable declines in their numbers from their original populations since the beginning of the twentieth century. Similarly, Yellow Perch, once the most commonly caught freshwater sport fish in North America and an important commercial species, have also shown declines. Yet, some Western states and provinces are trying to extirpate Walleye and Yellow Perch where they have been introduced outside of their native range. The purpose of this book is to present up-to-date information on the biology and management of Walleye, Sauger, and Yellow Perch since the 2011 publication of the AFS book, *Biology, Management, and Culture of Walleye and Sauger*, the book *Biology and Culture of Percid Fishes Principles and Practices* (Springer Press, 2015), and pertinent review papers in *Biology of Perch* (CRC Press, 2016).

**Part I** Yellow Perch *Perca flavescens*

**Part II** Walleye *Stizostedion vitreum*

**Part III** Sauger *Stizostedion canadense*

**Part IV** *Perca* and *Stizostedion* Management, Research, and Culture Progress in North America and Europe



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