

Under the Dock

August 2022



Newsletter of the Georgia Chapter of the
American Fisheries Society

WHAT'S INSIDE

Click on title to go directly to page

- [Mark Your Calendar \(important dates to remember\)](#)
- [On the Calendar \(special interest\)](#)
- [News and Updates](#)
- [Climate Change and Its Impact on Fisheries](#)
- [Southeastern Fishes Council Annual Meeting](#)
- [Campus Corner - Georgia AFS Scholarships](#)
- [2023 Georgia AFS Annual Meeting Call for Abstracts](#)
- [Federal Aid in Sport Fish Restoration Program](#)
- [Why Join A Professional Organization](#)
- [Chapter Spotlight](#)
- [Did You Know](#)
- [Bubba's Place](#)
- [Safety Tip](#)
- [Fin and Games](#)
- [The Book Shelf](#)
- [Fishy News from Around the World](#)
- [AFS and SDAFS Annual Meeting information](#)

Mark Your Calendar

- **August 15-16**
 - R Workshop, UGA Campus
- **August 21 - 25**
 - AFS National Meeting in Spokane, WA
- **October 1**
 - GA DNR CRD CoastFest, Brunswick
- **October 14-16**
 - Great Ogeechee Seafood Festival (Richmond Hill, GA)
- **November 16-18**
 - Southeastern Fishes Council (Athens, GA)
- **November 21**
 - World Fisheries Day
- **February 1-5, 2023**
 - 2023 SDAFS Annual Meeting (VA)
- **February 14-17, 2023 (Tues-Fri)**
 - GAAFS Annual Meeting
 - Lake Blackshear Resort, Cordele

OUR MISSION

The mission of the American Fisheries Society and the Georgia Chapter is to improve the conservation and sustainability of fishery resources and aquatic ecosystems by advancing fisheries and aquatic science and promoting the development of fisheries professionals.

You can help support our mission by becoming a member of Georgia Chapter AFS, joining the American Fisheries Society, becoming a Georgia AFS Sponsor, donating to our annual fundraiser, or participating in our annual meeting. Visit our website for more info.

<https://gaafs.org/>

The newsletter is interactive - click on anything underlined or highlighted for more information and click on a laptop image for a video



We are looking for high quality photos to use for the newsletter cover page.

We prefer pictures of fisheries professionals and students working (lab, fieldwork, etc.).



Do you have an idea for an article?

We welcome a broad range of submissions that address research and ideas relevant to marine and freshwater finfish and shellfish and their respective fisheries and environments. Submissions are due on the 21st of each month unless told otherwise.

Contact Rebecca Brown (georgiaaafs@gmail.com) if you have questions. We also welcome suggestions for an aquatic species to highlight, safety tips, and ideas for the section *Did You Know*.

ON THE CALENDAR

August 25 National Park Service Founders Day



On August 25, 1916, President Woodrow Wilson signed the act creating the National Park Service, a new federal bureau in the Department of the Interior responsible for protecting the 35 national parks and monuments then managed by the department and those yet to be established.

The National Park Service today manages 84 million acres across all U.S. states and territories and has served as a model for countries around the world.



August 30 International Whale Shark Day

Whale sharks (*Rhincodon typus*) are the largest shark, and indeed largest of any fishes alive today. They feed on plankton and travel large distances to find enough food to sustain their huge size, and to reproduce. Whale sharks are found in all the tropical oceans of the world and are the world's largest omnivore.



Interesting Facts about Whale sharks

- Like human fingerprints, whale sharks have a unique pattern of spots which allow individual sharks to be identified.
- The maximum size of whale sharks is not known, but could be as large as 20m.
- Whale shark eyeballs are covered in thousands of toothlike scales called dermal denticles.
- One of only three known filter feeding sharks.
- They can live up to 130 years.

Georgia AFS

2023 Annual Meeting

February 14 – 17
Lake Blackshear Resort, Cordele

Building Strong Alliances that Spawn Success

The aim of this year's theme for the Georgia AFS 2023 annual meeting is to emphasize the effectiveness of building strong alliances that support and enhance fisheries science and conservation. These relationships include establishing effective partnerships between fisheries professionals and other stakeholders, strengthening the way we interact with other fisheries professionals, and developing opportunities for future fisheries professionals to acquire the necessary skills to achieve their goals.

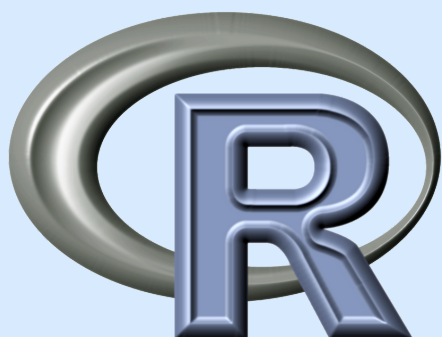


Mark your calendars now and plan to join us in February for an annual meeting that will be like no other you have attended. In addition to the traditional activities from past meetings, we plan to include hands-on training opportunities, team-building activities, special interest group discussions, a field trip, and more.

Registration information coming soon

NEWS & UPDATES

R Workshop August 15-16 at UGA



The Intro to R workshop will be held on August 15 - 16, 2022 at the UGA Warnell School of Forestry and Natural Resources in room 419 located in building 4.

- **August 15: 10am - 5pm**
- **August 16: 8am - 2pm**

During this two-day workshop participants will have opportunities to practice skills and ask questions. This workshop is intended for students and professionals. We will be using the computer lab at the UGA Warnell School of Forestry and Natural Resources.

**Registration Deadline
Extended
August 11, 2022**

Registration form:

<https://forms.gle/t8Jht7RfDM1UzHHu8>



UGA Warnell School of Forestry and Natural Resources

Because parking on campus is \$10 per day we reduced the cost of the workshop to \$20 for GAAFS members and \$30 for non-Chapter members. We will be able to accommodate up to 40 participants so be sure to register and pay early to secure a seat.

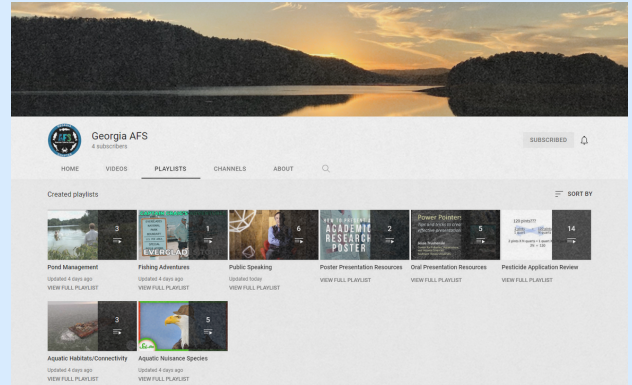
Visit our website for more information about registration and hotel selections.

<https://gaafs.org/r-workshop-august-15-16-2022/>

The workshop website also includes directions for parking on campus and directions to the computer lab.

Visit the GAAFS YouTube Channel

Are you looking for tips to create an effective PowerPoint presentation? Do you need some public speaking tips on how to hook your audience? Check out the GAAFS YouTube Channel.



The Georgia AFS YouTube Channel is a resource for fisheries professionals and students. The playlist includes videos on public speaking, creating PowerPoints to present your research, designing a scientific research poster, reviewing for the pesticide applicator test, and more. Videos listed on this channel have been vetted for content.

**PLEASE HIT SUBSCRIBE SO WE CAN CUSTOMIZE OUR URL
(We need 100 subscribers)**

<https://www.youtube.com/channel/UC7sDBpmV4V6EwZV-J-snM5A/playlists>



Our Chapter Website Needs an Update



This Fall we will be updating our website to make it more user-friendly. We have noticed over the years some people have found it difficult to find important information about the annual meeting, scholarships, awards, etc.

We have looked at other AFS Chapter websites for some ideas but we would like to hear suggestions from you.

Contact us at georgiaafs@gmail.com if you have suggestions as to how we can improve the website.

<https://gaafs.org/>

Recruiting Potential Presenters and Topics for a Crappie Symposium at SDAFS 2023

Are you interested in presenting your work with crappie at the 2023 Southern Division AFS meeting in Norfolk, Virginia? Read the proposed symposium abstract below.



Crappie Management and Research: Reviving the Conversation

In many states comprising the American Fisheries Society's Southern Division, crappie are a very popular freshwater sportfish. However, crappie are often overlooked by fisheries managers and researchers. Over the years, sampling techniques, angler dynamics, and other components of crappie management have evolved. In turn, there appears to be renewed interest by anglers to target crappie and by fish and wildlife agencies to direct more effort towards the management of this popular fishery. This symposium is an opportunity for researchers and managers across the Southern Division to gather and discuss ongoing projects and future needs. The intent is that the presentations and discussions at this symposium will help us understand where we are now and how to address current and future challenges in crappie management, ultimately refocusing more attention on crappie as a valuable sportfish.

If you are interested in participating send your topic (does not have to be the official title at this point) by September 1st to Allen Martin at allen.martin@MyFWC.com

Abstracts for presentations are not due until November 15th, but they need to submit a list of potential presenters and topics when they submit the symposium abstract.



SDAFS 2023 Abstract Submissions

https://units.fisheries.org/va/annual_meeting/2023-sdafs/abstracts/

CLIMATE CHANGE AND FISHERIES

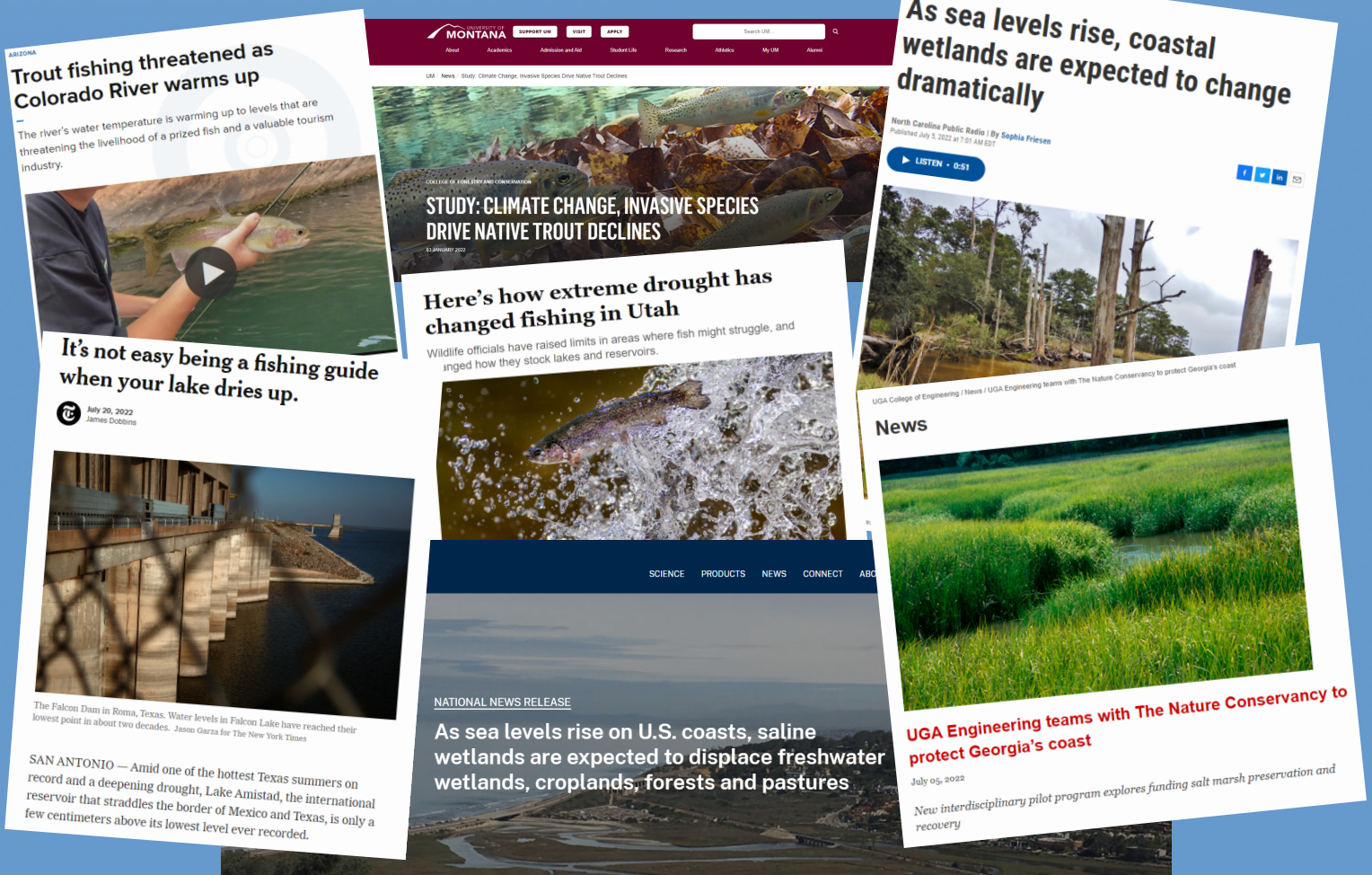


Fish and fisheries are facing unprecedented challenges from droughts, heat waves, floods, wildfires, storms, and rising seas associated with climate change.

What questions does the public have about these changes?

The American Fisheries Society has created a website that provides valuable resources for fisheries stakeholders on how climate change is affecting fish and their habitats. A few resources that the website includes:

- [Best Practices for Communicating Climate Science for Fisheries Professionals](#)
- [Climate Science Resources](#) (relate to fisheries and aquatic ecosystems)
- [Conservationists for Climate Solutions](#)



Southeastern Fishes Council

48th Annual Meeting

Fish Diversity Connections

November 16 - 18, 2022

Athens, GA

We are dedicating this year's first round of talks to fish diversity connections. We ask speakers to think broadly about the role of southeastern fishes in ecosystems and human culture. We provide the following guiding questions but will consider any talk addressing the broader conference theme.

What is the ecological significance of upstream fish migrations to headwater streams?

How do fishes influence the survival and reproduction of other taxonomic groups, such as freshwater mussels?

How are southeastern fishes connected to human culture through art, media, subsistence, and recreation?

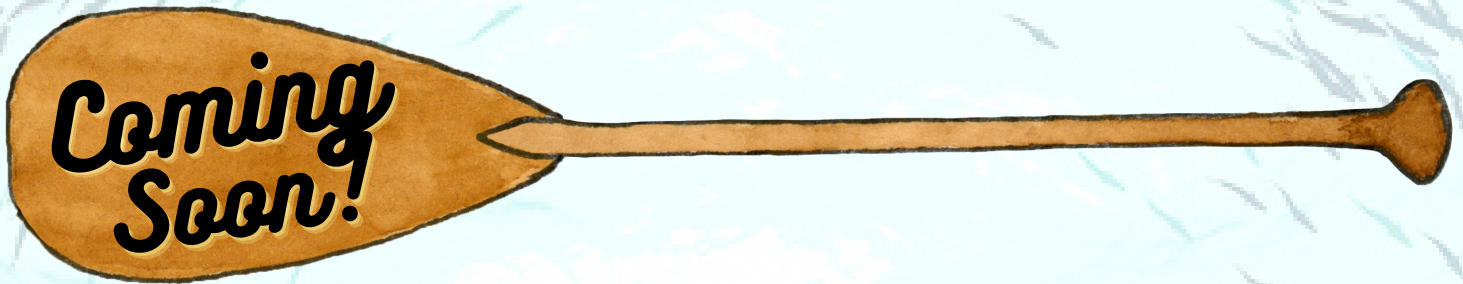
What conservation actions are needed to restore fish diversity connections?

The meeting will also include oral and poster presentations addressing the ecology, conservation, and taxonomy of southeastern fishes.

Please share this meeting announcement widely and consider including colleagues and students that might add more diversity to SFC.

If you have any questions contact Brett Albanese (Brett.Albanese@dnr.ga.gov) or Duncan Elkins (delkins@uga.edu).

Georgia Chapter AFS Student Scholarships



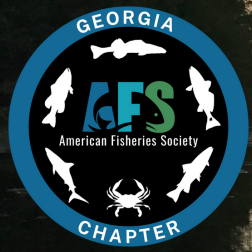
**APPLICATION FORMS WILL BE AVAILABLE THE FIRST
WEEK OF SEPTEMBER**

Academic Scholarship

The Georgia Chapter is proud to offer an annual scholarship program open to both undergraduate and graduate students. The Ronnie J. Gilbert Student Scholarship provides \$500 to one outstanding student who is a member of the Georgia Chapter of the American Fisheries Society at the time of their application. College students in Georgia who are currently pursuing an education that will allow them to seek careers that help improve, manage, and protect our aquatic natural resources are encouraged to apply. However, students are only eligible to win a scholarship once per degree track (e.g. a student could win once as an undergraduate and once as a master's candidate but not twice as an undergraduate). The winner will be expected to serve a one-year term on the scholarship and undergraduate travel stipend awards selection committee.

Undergraduate Travel Stipend

The Georgia Chapter is pleased to offer an Undergraduate Travel Stipend for students who are members in good standing with the Chapter to attend Georgia Chapter annual meetings. The undergraduate travel stipend will provide lodging and meeting registration. Registration includes the social events as well as the awards banquet. The Chapter is able to award 8 travel stipends for undergraduate students for the 2023 annual meeting. Recipients of the travel stipend will be expected to assist with various duties at the annual meeting.



2023 Annual Meeting

Building Strong Alliances that Spawn Success

LAKE BLACKSHEAR RESORT FEBRUARY 14 - 17

The aim of this year's theme for the Georgia AFS 2023 annual meeting is to emphasize the effectiveness of building strong alliances that support and enhance fisheries science and conservation. These relationships include establishing effective partnerships between fisheries professionals and other stakeholders, strengthening the way we interact with other fisheries professionals, and developing opportunities for future fisheries professionals to acquire the necessary skills to achieve their goals.

ABSTRACT SUBMISSION

DUE JANUARY 13, 2023

We welcome topics including, but not limited to, fisheries management, aquatic invasive species, fish health, aquaculture, endangered species, genetics, economics, fisheries ecology in the urban interface, and all topics relevant to marine and coastal fisheries. This is a wonderful opportunity to share your knowledge and research with various professionals and students.

Interested individuals are encouraged to email their abstracts to Carolyn Belcher (Carolyn.Belcher@dnr.ga.gov) by **January 13, 2023**. Abstracts (300 words max) should be submitted as an attachment in a Word document and include the following information:

- Presentation Title
- Presenting Author (with contact information; work address and email)
- Co-authors (with contact information)
- Abstract (300 words max)
- Presentation type: Oral or Poster (Minimum poster size of 24" x 36" and maximum poster size of 48" x 36" - check with your advisor as to what they require)
- Please also indicate if you are a student presenter

Oral presentations are 15 minutes (10 minutes for presentation and 5 minutes for Q&A)

TIPS FOR DESIGNING ORAL AND POSTER PRESENTATIONS

The Chapter has included in its website presentation resources for professionals and students. <https://gaafs.org/presentation-resources/> Students can find the judging forms on the same page. Monetary awards are presented to the top 3 student oral presenters and top 3 student poster presenters.

Federal Aid in Sport Fish Restoration Program



Look for this sign



Congressman John Dingell and Senator Edwin Johnson introduced the Federal Aid In Sport Fish Restoration Act which was signed on August 9, 1950. Modeled after the Pittman-Robertson Act, it established a program for the management of fishery resources, conservation, and restoration.

Originally the Sport Fish Restoration Program was funded by revenue collected from the manufacturers of fishing rods, reels, creels, lures, flies, and artificial baits. In 1984, the Wallop-Breaux amendment modified the act to also capture motorboat fuel excise taxes, which go toward boating access improvements. Presently funding comes from a 10-percent excise tax on sport fishing tackle; a 3-percent excise tax on fish finders and electric trolling motors; import duties on fishing tackle, yachts, and pleasure craft; interest on the account; and a portion of powered boat fuel tax revenues and small engine fuel taxes.

The Sport Fish Restoration program provides funds to fish and wildlife agencies of the states, the District of Columbia, and U.S. territories for fishery projects, boating access, and aquatic education. The U.S. Fish and Wildlife Service distributes these funds to the states based on a formula of geographical area and the proportion of state fishing licenses sold relative to national license sales. States are required to match 25 percent of the funding with locally generated revenue – such as fishing license sales.



Why Join A Professional Organization?

You become a member of a community of individuals with common interests and goals, supporting the future development of your profession.

BENEFITS INCLUDE:

Expand Your Professional Network

Opportunities to meet future collaborators, employers, and employees. Serve on a committee, organize a special project or volunteer to help during annual meetings.

Stay Connected

Stay current on scientific and professional issues through scientific journals, newsletters, and social media.

Career Development

Access to resources, mentoring programs, webinars, training workshops, job boards, and leadership opportunities.

Influence Policymaking

Professional societies communicate with policy makers and educate others about the importance of the profession.

Inspire the Next Generation

Professional organizations support scholarships, grants, internships, and other special programs that promote the profession.

WHY ARE YOU A MEMBER OF A PROFESSIONAL ORGANIZATION?

I met my future graduate advisor at an AFS meeting in Savannah. That meeting opened my eyes about nongame fish conservation and basically sent me on the career path I've been on for the past 25 years.
~Jamie Roberts

I am a member of a professional organization because it offers development and connections with others in my field which has provided me with new ideas to implement in my work unit. ~Sarah Baker

Building connections with colleagues and the professional development opportunities have been invaluable. I'm very thankful to be part of such a passionate and gifted community! ~Ani Escobar

Professional organizations have tremendous value as facilitators of professional development and networking. For example, as a student and early professional, the GAAFS annual meeting allowed me to interact one-on-one with the dominant minds and personalities in my field. ~Jackson Sibley

I'm a member of Georgia AFS because I value learning opportunities that extend beyond formal academic education. Georgia AFS creates opportunities to continue learning and professional development through the annual meeting, continuing education workshops, monthly newsletter, and more.
~ Hunter Roop

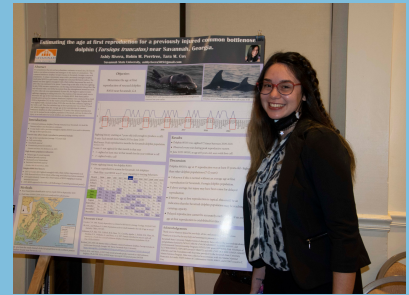
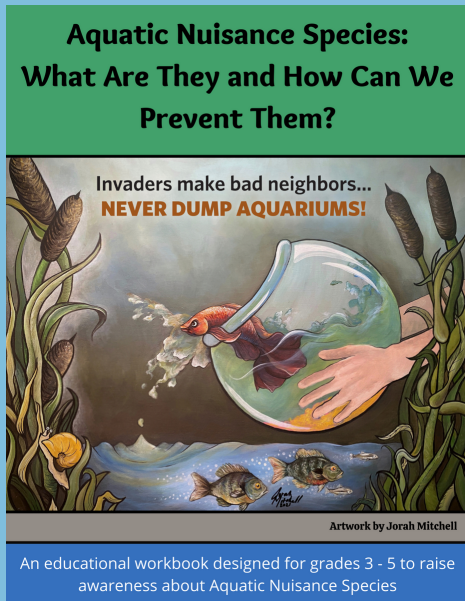
As a member of AFS and the Georgia Chapter, I am supporting two organizations that are committed to the future of our fishery resources and the fisheries profession. ~Rebecca Brown

GA AFS 2023

Annual Fundraiser

Each year at our annual meeting our Chapter hosts a raffle and silent auction to raise funds to support the Chapter's mission. Proceeds from the annual fundraiser support aquatic education outreach projects, aquatic habitat restoration projects, fisheries continuing education workshops, and student scholarships.

FUNDRAISING DOLLARS SUPPORT



WE NEED YOUR HELP

Our members can help our fundraising efforts by personally contributing an item or soliciting from a local business, organization, or person. Items may include backpacks, gift certificates, coolers, tackle bags, event passes, guided fishing trips, angling tackle and equipment, fishing rod/reels, kayak/whitewater rafting trips, camping equipment, original artwork, prints, or other fish and wildlife-related items.

We are a 501(c)3 nonprofit organization and all donations are tax-deductible.

You can contact our fundraising chair, Jackson Sibley, for more information: oceansibley@gmail.com



Chapter Spotlight

John Damer

John has been a Fisheries Biologist with Georgia DNR in the northwest portion of the state for almost 15 years now. His responsibilities have evolved over the years, but right now he manages the sport fisheries in Blue Ridge and Carters Lakes, Lake Sturgeon and Striped Bass populations in the Coosa River basin, and he coordinates Morone broodfish collection from our rivers. He also helps manage Summerville Fish Hatchery, which is primarily a trout hatchery, but they also raise Lake Sturgeon and Walleye.



What inspired you to choose a career in fisheries science?

I grew up fishing for trout with my Dad and Brother on the streams of Connecticut, where I was raised. I was always exploring new streams and rivers, looking for a new spot to catch beautiful little wild brookies and browns. I guess that connection to the water and the fish living in it drew me toward this career.

Where did you go to school and what did you study?

I completed my undergraduate degree in Zoology at Connecticut College (go Camels!). I then made my way down south to the Coop Unit at Tennessee Technological University where I received my Master's Degree. My thesis work explained why Brook Trout did not survive well when stocked into the Watauga River below Wilbur Dam.



What do you most enjoy about your current position and what do you find most challenging?

Like most biologists, I most enjoy my time spent sampling in the field. It is invariably the reason why we chose this profession. I particularly like driving our jetboat in tight spaces in shallow rivers to get to hard-to-reach places. On the flip side, I do not enjoy wading around in raw sewage... seriously. Our region investigates more fish kills than any other region in the state, and unfortunately many are caused by overflowing sewage lines.

Chapter Spotlight Continued

Describe a project you are currently working on as part of your current position.

I have been managing Georgia's Lake Sturgeon reintroduction program since about 2009. Lake Sturgeon are native to the Coosa River Basin but were completely extirpated as of the 1960s. Georgia DNR has been working for more than 20 years to bring these awesome sportfish back to these waters. More than 300,000 fingerling sturgeon have been stocked in the Coosa's main tributaries, and they are surviving and growing steadily. We monitor the progress of these efforts using several gear types, including gillnets, trammel nets, and trotlines, but in recent years we have found spring electrofishing to be most effective for catching adult and sub-adult fish. We are also currently working with UGA to look at the expanding population with greater detail using intensive netting surveys and radio-telemetry.



Describe the most rewarding experience you have had during your career.

This spring, Mark Bowen and I captured and released 8 mature Lake Sturgeon in one hour of pedal time on the Etowah River. This might not sound like much, but sturgeon are not like other more common fish like largemouth bass or bluegill. They can be very cryptic and difficult to sample effectively. I have spent many days on the water without seeing a single one. This spring was our best sampling season yet, with many multiple fish days. Increasing catch rates suggest our efforts to restore these ancient fish have been successful. It is very rewarding to think that these relics would not be here without our help.



What is your favorite quote?

All men are equal before fish.

~ Herbert Hoover, 31st U.S. President

Chapter Spotlight Continued



What advice would you give to someone pursuing a profession in fisheries science?

Most people entering the fisheries management field expect that they are going to manage fish, and for the most part that's true. However, be aware that a large chunk of time will likely be spent in people management as well. The best managers are equally good at handling both fish and humans, and you should seriously consider including some human dimensions coursework when planning your studies.

What is your favorite fish and why?

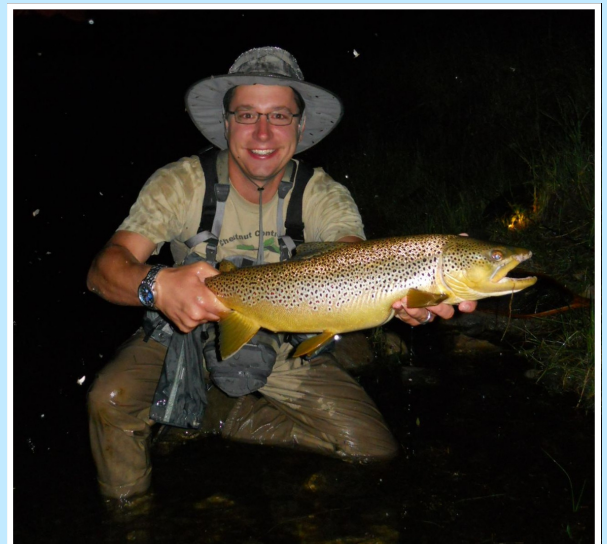
The majestic Brook Trout has to be my favorite. The vivid coloration of a big male brookie in spawning colors rivals any other fish, in my opinion, and my history with the species from childhood through graduate school certainly plays a part as well. I still enjoy chasing the native "specks" in the Georgia mountains, when I can find the time.



Toccoa Brown Trout

What is your walk-up song?

John the Fisherman by Primus



Montana Brown Trout

What is something about yourself that others may be surprised to know about you?

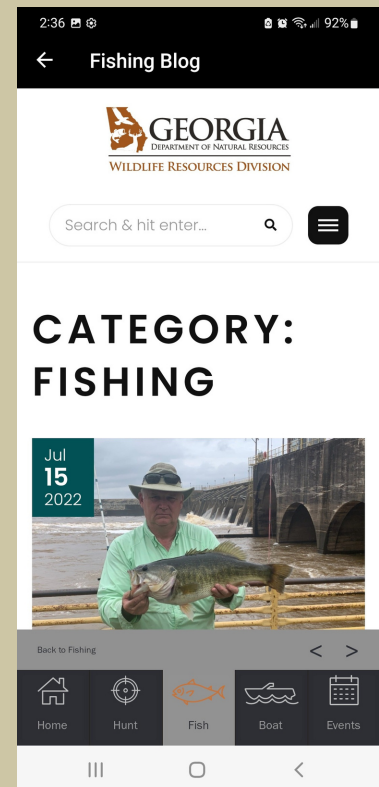
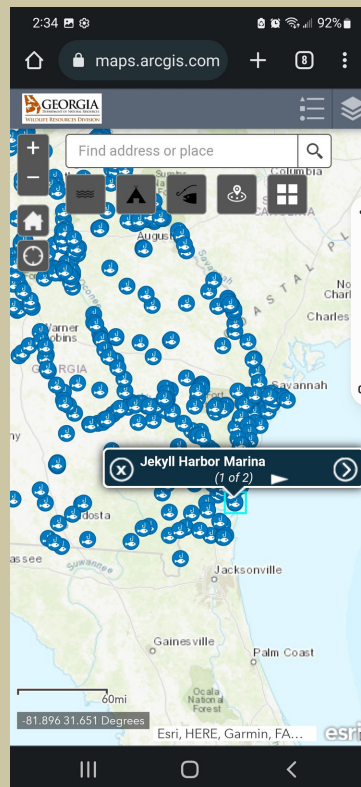
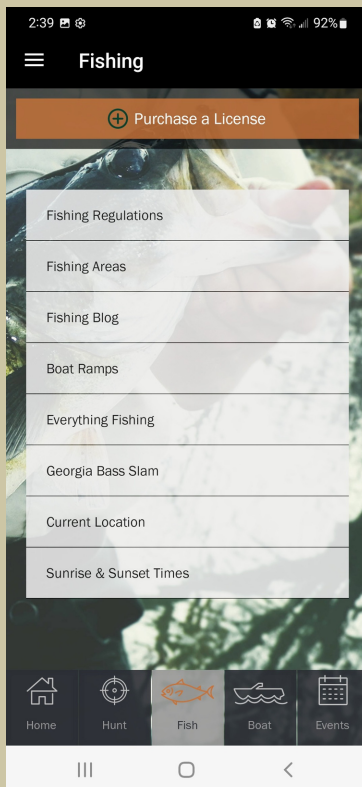
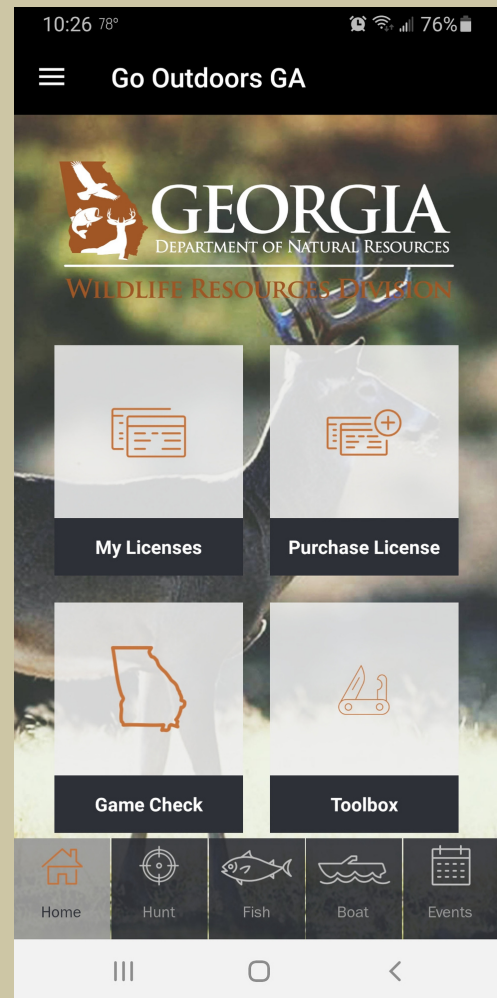
I am a little bit of a car guy, and I once sold a car to a collector in Dubai (no, it wasn't a scam).

Have you tried the Go Outdoors GA app?

The Outdoors GA app, free in [Google Play](#) or [Apple store](#), has multiple uses.

- Fishing regulations - some rules change each year
- Boating rules - know before you go
- Fishing locations
- Boat ramps
- Tide information
- Purchase your fishing license (don't forget your SIP)
- Store your fishing license - avoid awkward moments
- Event calendar - find a KFE near you
- [Georgia DNR Fisheries Blog](#)
- And it has hunting stuff too

**DOWNLOAD THE APP TODAY AND PLAN
YOUR NEXT OUTDOOR ADVENTURE**



DID YOU KNOW?

Georgia's Freshwater Mussels



John Damer (L) is holding a Southern Clubshell and Jackson Sibley (R) has a Pistolgrip.

Georgia boasts one of the most diverse freshwater mussel faunas in the world and is home to over 120 species—over 10% of all freshwater mussel species worldwide. Freshwater mussels are divided into two families in North America: Margaritiferidae and Unionidae.

Freshwater mussels provide a variety of ecosystem services including cleaning water by filtering suspended material, furnishing quality benthic habitat for a variety of aquatic species, acting as a food source for a diversity of species, and are important indicator species.

The leading causes of mussel decline are dam construction, water withdrawal, flow alteration, water quality degradation, invasive species introductions, and climate change.

Learn more about mussels and their unique reproductive strategy

<https://georgiawildlife.com/FreshwaterMussels>

<https://www.nfwf.org/media-center/featured-stories/living-rocks>



https://www.instagram.com/tv/B7Gsa5_DiQV/



BUBBA'S SHORT VIDEO PICKS

Leadership consultant Karen Eber demystifies what makes for effective storytelling and explains how anyone can harness it to create empathy and inspire action.



**Fly Fishing the Soque River with
Jessi Cole | Mossy Oak Elements**



BUBBA BASS RECOMMENDS

Are you looking for something new to try? Two of our fundraising donors offer kayaking, rock climbing, and more. **Click** on the image to visit their website.



Chattanooga Guided Adventures is an outdoor recreation guide service in Chattanooga. They have tours and classes in outdoor rock climbing, kayaking, mountain biking, backpacking, hiking, and navigation, all tours are fun and beginner-friendly.



Are you looking for something to do while visiting St. Simons Island or Jekyll Island? Book a kayak tour with Southeast Adventure Outfitters in the beautiful Golden Isles! They have tours designed for all ages and skill levels.



Safety Tip

from Bubba Bass

SAFETY TIPS FOR TRAILERING A BOAT

Often times we drive long distances with our boats. It is recommended that after 50 miles or so you should check out your rig to make sure you have a trouble-free trip. Here are few things you should check.



Tips for Boat Towing

- **Hitch/ball attachment** - make sure the ball and coupler are secure and the safety chains are crossed
- **Trailer lights** - ensure the stop and turn signals are working properly
- **Trailer wheel lug nuts** - check for tightness
- **Trailer wheel's bearing covers** - feel the hubs to make sure they are not hot (hot hubs are a sign of needing to be replaced before it locks up)
- **Trailer tires** - feel for overheating or signs of unusual wear
- **Boat transom straps** - test for tightness
- **Boat interior** - check to make sure contents inside did not shift
- **Boat engine lower unit** - ensure it has remained in the tilted position and any transom savers are secure

Bubba's Friends

Atlantic Menaden (*Brevoortia tyrannus*)

Atlantic menhaden are a keystone species. They are an important source of protein for many species, including bluefish, dolphins, eagles, humpback whales, ospreys, sharks, striped bass, dolphin fish, herons, egrets, terns, and weakfish. All these species and other sea creatures depend on this one fatty fish for food and survival.



Interesting facts

- Also locally known as bunker, pogey, or fatback.
- They are filter feeders. They feed on algae and zooplankton.
- They support an important commercial fishery. Menhaden are harvested for use as fertilizers, animal feed, and bait for fisheries including blue crab and lobster.
- Fully grown, they weigh about a pound.

Fin and Games

We asked some of our members to provide us with their walk-up songs. These are songs that might get them fired up at work or a song that describes their personality. Some songs were chosen for the beat, others for the lyrics. And some songs were suggested for them by their colleagues.

How well do you think you know some of our members? Match each person with their walk-up song. Set A is a group and Set B is a group. Click on the song title for the music video.

A total of 11-17 correct (Great job), 5 - 10 correct (Very good); less than 5 (join a Chapter committee or volunteer to help out at the annual meeting to meet these folks and others)

SET A

- ____ 1. Cecil Jennings
- ____ 2. Rebecca Brown
- ____ 3. Robert Bringolf
- ____ 4. Jamie Roberts
- ____ 5. Bill Davin
- ____ 6. Jim Page
- ____ 7. Tim Bonvechio
- ____ 8. Ani Escobar

SET A

- A. I'll Make A Man Out of You (cartoon version of Mulan)
- B. Sweet Child O' Mine (Guns N' Roses)
- C. Here Comes the Boom (P.O.D.)
- D. Cheeseburger in Paradise (Jimmy Buffet)
- E. 46 & 2 (Tool)
- F. Enter Sandman (Metallica)
- G. The Walker (Fitz and the Tantrums)
- H. Hoochie Coochie Man (Muddy Waters)

----- **CLICK for HINTS** -----

SET B

- ____ 9. Zack Brock
- ____ 10. Janet Genz
- ____ 11. Kevin Cavallaro
- ____ 12. Carolyn Belcher
- ____ 13. Brent Hess
- ____ 14. Don Harrison
- ____ 15. Lauren Carroll-Everett
- ____ 16. Hunter Roop
- ____ 17. Bryant Bowen

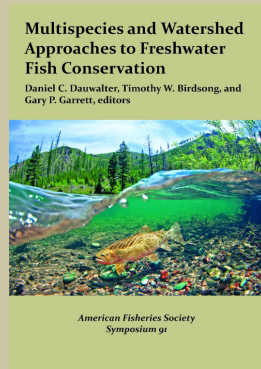
SET B

- I. Sexy and I Know It (LMFAO)
- J. Song title withheld for reason (David Hasselhoff)
- K. Thunderstruck (AC/DC)
- L. Africa (Toto)
- M. Schism (Tool)
- N. One Big Holiday (My Morning Jacket)
- O. Stranglehold (Ted Nugent)
- P. Work B**ch (Brittney Spears)
- Q. Don't Worry, Be Happy (Bobby McFerrin)

Click for answers

The Book Shelf

PROFESSIONAL SECTION



Multispecies and Watershed Approaches to Freshwater Fish Conservation

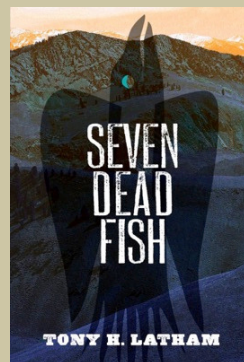
Daniel C. Dauwalter, Timothy W. Birdsong, and Gary P. Garrett, editors

This book is a valuable resource for those involved in the conservation of freshwater fishes that seek proactive, integrated, holistic approaches to the conservation of freshwater, riparian, and upland habitats.

[Learn More Link](#)



ADULT FICTION SECTION



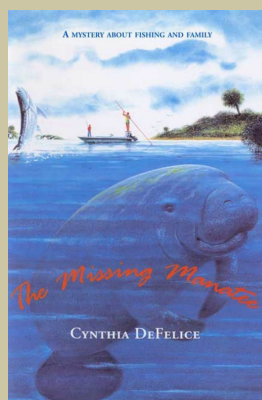
Seven Dead Fish By Tony Latham

Cove is called to an accident scene by a small-town sheriff to help investigate a morbid discovery. In the meantime, Charley is perplexed by a different problem—dead fish.

[Learn More Link](#)



YOUNG READER



The Missing Manatee By Cynthia DeFelice

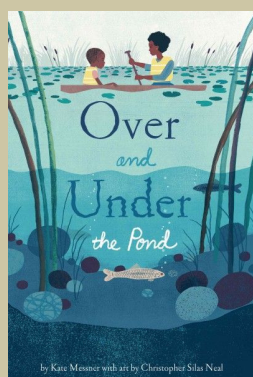
Skeet learns that things are not always as they seem in this taut, nautical adventure story.

Nominated for a 2006 Edgar Award by the Mystery Writers of America. Chosen as a Junior Library Guild selection and a Booklist Top 10 Mystery/Suspense for Youth

[Learn More Link](#)



EARLY READER SECTION



Over and Under the Pond

By Kate Messner, Christopher Silas Neal (Illustrator)

In this book, readers will discover the plants and animals that make up the rich, interconnected ecosystem of a mountain pond.

This book is the recipient of many awards.

[Learn More Link](#)



Membership

Are you a member of the American Fisheries Society?



American Fisheries Society

Please visit the AFS membership website to learn more about being part of the largest professional society of fisheries scientists in the world.

<https://fisheries.org/membership/types-of-membership/>

Some benefits for becoming a member of AFS:

- Free online and mobile app access to AFS publications
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- Attend continuing education courses at reduced registration rates
- Access to online webinars
- Able to vote on Society and Chapter business



Learn more about AFS: <https://fisheries.org/about/>

Are you a member of the Georgia Chapter of the American Fisheries Society?

Membership to the Georgia Chapter is separate from being a member of the American Fisheries Society (AFS). Membership in the Georgia Chapter is open to anyone interested in the progress of fisheries science and education in Georgia and the conservation and management of Georgia's fisheries and aquatic ecosystems. Chapter annual membership dues are \$10.



Georgia AFS Membership: <https://gaafs.org/membership/>

Georgia AFS membership dues support fisheries and aquatic conservation projects as well as aquatic education outreach programs in Georgia.

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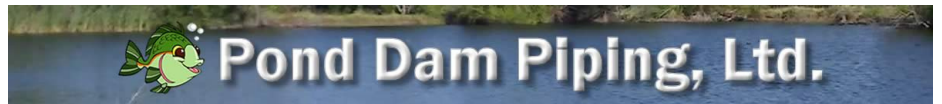
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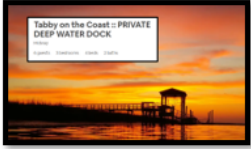


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FISHY NEWS AROUND THE WORLD

Nature

POTENTIAL IMPACTS OF CLIMATE CHANGE ON AGRICULTURE AND FISHERIES PRODUCTION IN 72 TROPICAL COASTAL COMMUNITIES

Climate change is expected to have impacts on food production sectors, and the tropics are likely to see impacts on both agriculture and fisheries. This could create a double burden for rural coastal communities that are highly dependent on both sectors.

University of Wisconsin-Stevens Point (Dan Isermann, USGS)

HOW CLIMATE IS CHANGING THE HABITAT OF SOME OF THE FAVORITE FISH OF WISCONSIN ANGLERS

Will anglers adapt to the new world of fewer walleyes?

We've been doing some human-dimension work, where we surveyed anglers about where they would fish based on hypothetical situations.

Radbound University (Netherlands)

DO FISH SUFFER FROM OXYGEN STARVATION?

Larger fishes are more likely to experience oxygen deficiency in warming water than smaller species. The same applies to fish with large cells, note researchers at Radboud University in their latest study. In addition, marine fishes are less tolerant of oxygen-depleted water than freshwater fishes.

University of Barcelona

PATTERNS OF SPECIES RICHNESS, ABUNDANCE, AND INDIVIDUAL-SIZE DISTRIBUTIONS IN NATIVE STREAM-FISH ASSEMBLAGES INVADDED BY EXOTIC AND TRANSLOCATED FISHES

Exotic fish are a threat to river ecosystems, but what happens when invasive species are native to a territory and have been introduced into waters that are not their original territory? A new study has analyzed the impact the native fish receive from these species, called translocated species, compared to the effects of exotic invasive species, i.e, those that are not native to any basin in the territory.

University of Barcelona

CHANGES IN OCEANOGRAPHIC FRONTS AFFECT THE GENE FLOW AMONG MARINE CRAB POPULATIONS

In the Mediterranean and the Atlantic, the intensity and location of the oceanographic fronts that limit the gene connectivity among populations of marine crabs vary over time. These dynamic changes, described in an article published in the journal Scientific Reports, alter the gene structure of the populations of marine crabs of commercial and gastronomic interest.

NOAA

NOAA RELEASES FIRST COMPREHENSIVE POLICY ON MITIGATION TO CONSERVE NATURAL RESOURCES

Improving conservation through effective mitigation of adverse impacts to marine, estuarine, and freshwater resources.

AFS INFORMATION



What Do Fish Mean to Us?

Perspectives Above and Below the Water

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.

This event will be attended by professionals from across North America and countries around the world under the theme of “What Do Fish Mean to Us?”.

<https://afsannualmeeting.fisheries.org/>



SOUTHERN DIVISION AMERICAN FISHERIES SOCIETY MEETING

FEBRUARY 1 - 5, 2023

NORFOLK, VIRGINIA



The Virginia Chapter cordially invites you to attend the 2023 Southern Division AFS meeting in Norfolk, Virginia. The meeting will be held at the Norfolk Waterside Marriott.

https://units.fisheries.org/va/annual_meeting/2023-sdafs/

Help us spread the word about interesting and insightful information about the conservation and sustainability of fishery resources and aquatic ecosystems.

The Chapter newsletter is designed to spread the word about the exciting work being done by fisheries professionals and students, deliver information about upcoming meetings and events, and provide other useful information about fish/fisheries/ and science. We welcome a broad range of submissions that address research and ideas relevant to marine and freshwater finfish and shellfish and their respective fisheries and environments. Submissions can range from a paragraph to 3 pages. Let us know if you have an idea for an article but are not sure if it is suitable for the newsletter. Topics for the newsletter can include any of the ideas listed below.

- Fisheries science research updates or innovative ideas
- Articles with advice for students and young professionals
- Accomplishments such as recently publishing a research paper, giving a talk at a community event, being interviewed for a podcast series, and anything in the realm of communications and outreach
- Environmental concerns related to fisheries and aquatic ecosystems
- Safety tips for fisheries professionals and students

Send your submissions to Rebecca Brown at georgiaafs@gmail.com.

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