



# Gill Raker Gazette

Newsletter of the Idaho Chapter of the American Fisheries Society

Volume 40, Issue 3

December 2021

Editor: Kevin Meyer

## *President's Message - "Relevance"*

Dear Colleagues,

With the disruptions and transitions in the last two years, one might wonder about the relevance of fisheries. One definition of relevance is "the quality or state of being closely connected or appropriate". Note the emphasis on connection. Similarly, a fishery can be thought of as a web of connections among fish, humans, and the environments both inhabit. This summer I wrote about the resilience of ICAFS. The resilience of organizations is tied to their relevance, that is, the connection between them, their members, and the socio-political environments both inhabit.

Recently I was reading of The Wildlife Society's search for relevance in an era of shifting public values. In this case, relevance is about the connection of the professional society to the public and its own members. One of the articles in that TWS publication was entitled "Crisis of Change". Many authors in that publication see the current state of affairs as a crisis that mandates immediate change. AFS is going through this soul-searching, too. Another TWS author pointed out that commitment to proven ways fits logically into a conservation mission even though adaptive change is necessary in rapidly changing socio-political environments. I interpreted this line of reasoning to mean that although the search for relevance is a formidable challenge, it is also an opportunity. In order to overcome the obstacles, we must connect more broadly, not merely to survive but to be more successful. In other words, we need to increase our relevance through intelligent and intentional change.

Rob Van Kirk and the meeting planning committee have put together a very relevant theme for the upcoming ICAFS annual meeting, "Removing Barriers: Opening Pathways to the Fisheries Profession". In our Chapter meetings we often discuss connections of fish to habitat and people to fish; now we include discussion about connection of people to profession. Fish in a stream need to access the habitats with the resources they require to be successful. People need connection to fish and their habitats in order for fisheries management to be successful. Similarly, fisheries students and professionals need to access the mentoring and other resources they require to be successful. I see the meeting theme as about the challenges and opportunities for enhancing the connections among fish, humans, and the environments both inhabit. In a very real way, the 2022 meeting theme reflects the dual ICAFS goals of advancing fisheries science and supporting our students and professionals. That is mighty relevant.

—Tim Copeland



# Announcing the 60th Annual ICAFS Meeting!

**March 1-4, 2022**

**Shoshone-Bannock Hotel and Events Center in Fort Hall and LIVE online**

## Hybrid Meeting Format

To accommodate those who will be unable to travel to the meeting, we will provide a virtual attendance option. The plenary session, all contributed oral presentations, and the business meeting will be livestreamed. Committee meetings will also accommodate remote and in-person attendees in real time. Virtual attendees will have the opportunity to give presentations remotely, and sessions will mix remote and in-person presentations live and in real-time. Remote attendees will be able to ask questions of in-person presenters and vice versa. We will not use any pre-recorded presentations!



However, some workshops and events will be held in a virtual-only format, and some workshops and events will be held only in-person. Fundraising will have both in-person and virtual components, with the latter being delivered on the same GiveSmart platform the fundraising committee successfully used in 2021 to set a new all-time fundraising record. Let's see if we can beat that record with the hybrid format in 2022! Logistical details will be forthcoming.

## Covid policy

For those attending in-person, the ICAFS EXCOM has adopted the following policy.

The Idaho Chapter American Fisheries Society (ICAFS) is committed to providing a safe environment at its 2022 annual meeting. We are currently planning a hybrid meeting and will institute appropriate Covid-19 safety measures for in-person attendees. ICAFS will adhere to any and all safety measures mandated, in priority order, by the Shoshone-Bannock Tribes, the Shoshone-Bannock Hotel, and appropriate state and local entities at the time of the meeting. We will post final safety measures prior to the deadline for early in-person registration, roughly three weeks before the meeting. In determining a safety protocol for the meeting, ICAFS will also consider CDC guidelines in place at the time of the meeting, as well as guidance from the parent society.

## Workshops

Two workshops are being delivered in virtual-only format from now through late February 2022 (before the annual meeting). See the Habitat Committee and Aquaculture Committee updates (below) for details.

The following two workshops will be held on March 1, 2022, in-person only, with lunch provided in between:

### Cultural Competency and Relevancy

Tuesday, March 1, 8:00 a.m. – Noon

*Instructors: Sammy and Jessica Matsaw*

In the sciences, so much is lost in communication, yet communicating is at the heart of the work that managers and researchers do in natural resources. In this workshop we will enhance awareness of biases, communication skills, and disparities between cultural knowledge. This workshop is meant to be a starting point for ongoing self-work and labor to sustainably lift one's own awareness, evolving towards social and environmental justice.

### Promoting Diversity, Equity and Inclusion in the Fisheries Workplace

Tuesday, March 1, 1:00 p.m. – 5:00 p.m.

*Organized by Hannah Swain*

This workshop will present tangible steps fisheries organizations and professionals can take to promote diversity, equality, and inclusion (DEI) in the workplace. The workshop will use a hands-on approach to help participants develop their capacity to promote DEI as applicable to the fisheries workplace, including field settings.



## 60th Annual ICAFS Meeting Details (continued)

### Meeting Theme and Plenary Session

#### “Removing Barriers: Opening Pathways to the Fisheries Profession”

Fisheries professionals must address an ever-increasing list of threats to fish, their habitats, and the people who interact with them for cultural, economic, physical, and spiritual sustenance. Climate change, habitat fragmentation and loss, societal distrust of science, communicating in a digital world, and the ongoing Covid-19 pandemic all present challenges to the management and conservation of fish and fisheries across the globe. Here in the western U.S., long-term drought, coupled with record-setting heat and compounded by hydrologic and habitat alteration, have negatively affected a wide variety of ecosystems and species, ranging from anadromous fish of the Columbia/Snake River basin, to popular recreational fisheries in irrigation storage reservoirs, to the iconic wild trout fisheries scattered across the west. In turn, equally diverse groups of fisheries users and stakeholders have been negatively affected—Indigenous peoples, urban anglers, and tourist-dependent communities in rural areas.

Themes of Idaho Chapter AFS meetings in recent years reflect the diversity of challenges posed by these problems and the diversity of potential solutions. Past topics have included the land-water interface (joint meeting with The Wildlife Society), science-based fishing regulations vs. angler ethics, science communication, and aquaculture. Tackling this diverse set of challenges with a diverse set of tools requires a diverse set of fisheries professionals. Sustaining that profession will require removing barriers to entry for people currently under-represented in the profession, and to their subsequent training, development and professional fulfillment.

The 2022 meeting will explore some of these barriers and present ideas for their removal. Topics addressed in workshops, plenary talks, and invited papers will range from cultural competency to traditional ecological knowledge to locally based examples of how career opportunities for under-represented groups are being expanded. The planning committee hopes that this meeting will prompt conversations within ICAFS that will open career pathways for diverse fisheries professionals in Idaho.

### Plenary Speakers



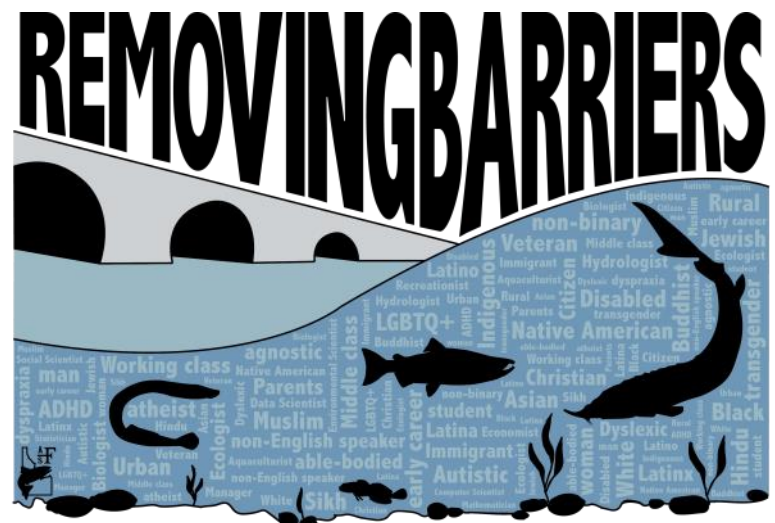
Dr. Zachary Penney  
Columbia River Intertribal Fish Commission  
Recipient of the 2021 AFS Emmeline Moore Prize



Dr. Ivan Arismendi  
Department of Fisheries, Wildlife, and Conservation Sciences  
Oregon State University



Dr. Vanessa Anthony-Stevens  
Department of Curriculum & Instruction  
University of Idaho



**Opening pathways to the fisheries profession.**

2022 ICAFS Meeting, Fort Hall → Artwork by Paige Cahoon and Melissa Muradian, Henry's Fork Foundation





## 60th Annual ICAFS Meeting Details (continued)

### Invited Talks

The plenary session will be followed by five 20-minute talks presenting local and regional examples of projects, initiatives, and programs that increase engagement and career opportunities among groups traditionally under-represented in the fisheries profession.

Please direct questions about the meeting format or theme to Rob Van Kirk at [rob@henrysfork.org](mailto:rob@henrysfork.org).

### First Call for Abstracts

It's that time again! Get your latest and greatest work in order and submit an abstract to present it at the meeting! We will offer three presentation options:

1. Standard 20-minute oral presentation (remote and in-person presenter options)
2. 5-minute IGNITE! presentation (remote and in-person presenter options)
3. Poster presentation. We will hold a traditional poster session at the in-person meeting, so this presentation mode is available only to in-person attendees. However, the posters will be uploaded to the virtual meeting platform so that remote attendees can view them.

We welcome submissions on topics across the spectrum of fisheries science, management, and administration, including those related to the meeting theme. Please submit your abstracts via Google forms. Abstracts are due **January 14, 2022**. If you have questions about abstract submission contact Bryce Oldemeyer at [bryce@henrysfork.org](mailto:bryce@henrysfork.org). A direct link to the Google Form is [here](#).

## 2022 Annual ICAFS Meeting Awards

The following is a list of Chapter awards given out annually at the Chapter business meeting. **Deadlines for submittal of all award nominations is January 21, 2022.**

### Lifetime Achievement Award

The Lifetime Achievement Award is the highest award granted by the Chapter. It is awarded to individuals who are either retired or within five years of retirement that have made significant and sustained contributions to advance the mission of the Chapter. This work may include, but is not limited to, advancing fisheries and aquatic science, implementing important management, or promoting the development of fisheries professionals. The recipients are selected from nominations made by Chapter members to the Past President.

### Annual Merit Award

The Annual Merit Award is given to the outgoing President and the outgoing Treasurer for their service to the Idaho Chapter. Prior to 2009, this award was given for various types of service to the Chapter. Since 2009, this award has been awarded only to the outgoing Chapter President and outgoing Chapter Treasurer with other types of service to the Chapter being recognized through the Distinguished Service Award.



## 60th Annual ICAFS Meeting Details (continued)

### More 2022 Annual ICAFS Meeting Awards

#### **Distinguished Service Award**

The Distinguished Service Award is given to individuals who have made a significant contribution in furthering the mission of the Idaho Chapter and is specific to work completed within the Chapter. The recipients are selected from nominations made by EXCOM or Chapter members to the Past President.

#### **Outstanding Professional Award**

The Outstanding Professional Award is given to individuals who have made a significant contribution in furthering the mission of the Chapter and is specific to work completed outside the Chapter. The recipients are selected from nominations made by Chapter members to the Past President.

#### **Richard L. Wallace Native Fish Conservationist of the Year Award**

The Richard L. Wallace Native Fish Conservationist of the Year Award is sponsored by the Native Fish Committee. The award was created in 2004 and is presented annually to an individual, group, or organization for outstanding achievement in native fish conservation in Idaho. Recipients are selected from nominations made by Chapter members to the committee chairs.

#### **Outstanding Mentor Award**

The Outstanding Mentor Award is sponsored by the Mentoring Committee. This award was created by the Palouse Unit in 2006 and they selected and presented the award that year. Since 2007, the award has been administered by the Mentoring Committee. The award is presented annually to an individual who has shown substantial devotion to mentoring of fisheries students or professionals in Idaho. The recipients are selected from nominations made by Chapter members to the committee chairs.

#### **Excellence in Aquaculture Award**

The Excellence in Aquaculture Award is sponsored by the Aquaculture Committee. The award was created by the Aquaculture Committee in 2008 and is presented annually to an individual or aquaculture facility for outstanding achievement in the field of aquaculture or aquaculture-related research. The recipients are selected from nominations made by Chapter members to the committee chairs.

#### **Aquatic Habitat Award**

The Aquatic Habitat Award is sponsored by the Aquatic Habitat Committee. The award was created by the Aquatic Habitat Committee in 2016 and is presented annually to an individual, group, or organization for achievements made in implementing beneficial projects. Recipients must include members of the Chapter. The recipients are selected from nominations made by Chapter members to the committee chairs. Refer to the Aquatic Habitat Committee page at the Chapter website for the nomination form to use.



## 2022 ICAFS Executive Committee Candidates

### Vice President

**Lauren Andrews**—Lauren is an engineer for Quadrant Consulting, Inc. in Boise, with nine years of experience in fisheries habitat engineering. She is involved in the project management and design of fish habitat and passage projects, environmental permitting, and construction oversight, as well as surveying, hydraulic modeling, and drafting. Prior to joining Quadrant, Lauren was a fisheries habitat engineer for the Pacific States Marine Fisheries Commission at the Idaho Department of Fish and Game for seven years. She earned her M.S. in Environmental Engineering with a Letter of Specialization in Fish Passage Engineering and her B.S. in Civil Engineering, both from UMass Amherst. Her graduate research explored downstream passage alternatives on a mill dam fish ladder in Rhode Island. Lauren is a registered professional engineer in Idaho and Washington and has been a member of the Idaho Chapter of AFS since moving to the state in 2012. She was honored to serve the Chapter as Secretary and Treasurer from 2019 to 2021 and gained invaluable experience helping to organize the first ever virtual meeting. Lauren hopes to build on that momentum by helping the Idaho Chapter adapt to hybrid ways of amplifying the great work being accomplished by its members and also encouraging contributions by a diverse group of students and professionals.



**Lance Hebdon** - I attended my first ICAFS meeting in McCall in the early 1990s as an ISU undergraduate and have served the chapter as Nominations Chair, Chair of the Fundraising Committee, Co-Chair for the Mentoring Committee, and served on the Public Education Committee. My goal serving the chapter was and will be to support the growth and professional development of Idaho fisheries professionals. Every step in my career from volunteer, temporary employee, to graduate student to my 21<sup>st</sup> year with the Idaho Department of Fish and Game has been helped by the professional development and relationships provided through ICAFS. Along the way I've seen ICAFS grow and welcome two new student chapters and expand our membership of professionals to include not only state agency personnel but also tremendous growth in participation of professionals representing tribal, federal, private and NGOs. All the growth has definitely made ICAFS a better organization. In closing it would be my privilege to give back to ICAFS and serve the chapter as Vice President.





## 2022 ICAFS Executive Committee Candidates

### Secretary/Treasurer

**Lytle Denny** - I am a father, a husband, a fisheries professional and Native American, and I would greatly appreciate the opportunity to continue my role as an ICAFS Executive Committee (EXCOM) member. I am currently the ICAFS Treasurer, and since being elected for Sec/Treas at the 2020 meeting, I've learned so much about ICAFS and what EXCOM does. From my perspective, there are two items that I'm committed to focusing on if I'm re-elected. The first is ICAFS long-term financial planning. Now that I've been in EXCOM for over a year, I have a much greater understanding of the financial planning that is needed to move us forward. The second thing I want to work on is diversity, equity, and inclusion. Our Chapter is top notch, but I believe the Chapter will be better and stronger if we recognize that not everyone has the same opportunities to become aspiring fishery professionals. I'm running for a second term to ensure the strategies I've been working on to address diversity, equity, and inclusion will come to fruition. For example, this year we (EXCOM) are working to be more inclusive to our Native American colleagues and recognizing the challenges they face that prevent them from getting to our annual meetings. I'm very excited to work with EXCOM on this and I'm very hopeful this will come together in time for our 2022 Annual Meeting in Fort Hall. In summary, I'm running for a second term to continue the work I've been doing to ensure the Chapter not only exists, but thrives into the future. Thank you for your vote...



**Jesse McCane** - Jesse graduated from Hendrix College in 2010 with a B.S. in Biology and a minor in Computer science. Since the Fall of 2010, Jesse has been employed as the Data Coordinator at the Eagle Fish Genetics Lab in Eagle, Idaho. This involves coordinating the shipping of sampling materials to various hatcheries and agencies across the Pacific Northwest, as well as the inventory of all returning samples. Jesse's primary responsibility is the oversight and maintenance of the EFGL genetic database, which currently houses metadata and genetic data for over 5,000 collections comprised of over 1,000,000 fish. He is also actively involved with research involving effective population size of salmonid populations, as well as the use of genetic analysis software to estimate various population metrics. When Jesse is not at work, he enjoys spending time with his eleven year-old black Labrador (Trout), gardening, playing Frisbee, cooking, fishing, camping, hiking, and home brewing beer. If over ten years of cleaning up other people's data doesn't qualify Jesse for the positions of Secretary/Treasurer, then he doesn't know what would.



## 2022 ICAFS Executive Committee Candidates Nominations

**Phil Branigan** - Phil is a Regional Fisheries Biologist for the Idaho Department of Fish and Game based out of Nampa. Phil grew up in the northwoods of Wisconsin and moved west shortly after high school to pursue a career in fisheries science. After earning a BS degree from the University of Wyoming (UW), he obtained a MS degree from University of Idaho (UI) where he evaluated microhabitat use of native fishes in the Kootenai River as it applied to a large-scale and ongoing habitat rehabilitation program. Phil has been an active member of AFS since 2011 and has held various leadership roles; he served as student sub-unit President at UW (2011-2012) and UI (2015-2016), and most recently served as Chair of the Fundraising Committee for ICAFS (2018-2020). Phil has presented research at state, divisional, and national levels of AFS and has published much of his work in AFS journals. Being involved with AFS has been an important catalyst for Phil's career and he regularly seeks out opportunities to present data, contribute to committees, and interact with students and other fisheries professionals. He is excited about the opportunity to serve on the ICAFS Executive Committee as Nominations Chair for 2022.



**Christine Stewart** - Christine is a Fish Biologist for the Salmon-Challis National Forest based out of Challis, Idaho. Her focus is on fisheries management in the Upper Salmon River and the Middle Fork Salmon River watersheds. Christine primarily works on management of threatened and endangered species, but also provides support to NEPA projects, and fish habitat protection and restoration. Since moving to Idaho in 2013, Christine has not only worked on the Salmon-Challis National Forest, but also on the Nez Perce-Clearwater National Forest (Forest Fish Biologist) and the Sawtooth National Forest (Fish and Wildlife Program Manager). Prior to moving to Idaho, she worked for the New Mexico Fish and Wildlife Conservation Office based out of Albuquerque, New Mexico. Christine not only has a love for fisheries but has also served her country honorably, being a member of the Army National Guard since 2002. She has been a member of the AFS since 2011 and wants to further contribute and support the ICAFS in any way she can. Christine is excited and honored for the opportunity to serve as Nominations Chair.





## Student Scholarships and Grant Opportunities

The Public Education Committee of ICAFS is tasked with annually administering several scholarships and travel grants for students attending Idaho schools. These are as follows:

### Scholarships

#### Idaho High School Student Scholarship

This \$500 scholarship will be awarded annually to an Idaho high school senior, or a high school graduate who has not yet attended college, that is planning to attend a college or university located in Idaho.

#### Idaho Undergraduate Student Scholarship

This \$1,500 scholarship will be awarded annually to an undergraduate student enrolled at any Idaho college or university or actively involved with the Chapter, including student units.

#### Idaho Graduate Student Scholarship

This \$1,500 scholarship will be awarded annually to a graduate student that is enrolled at any Idaho college or university or actively involved with the Chapter, including student units.

#### Susan B Martin Graduate Student Scholarship

This \$2,000 scholarship will be awarded annually to a graduate student that is enrolled at any Idaho college or university or actively involved with the Chapter, including student units.

These scholarships were developed by the Executive, Mentoring and Public Education committees, and are funded by ICAFS. Information and application materials are available on the [Chapter website](#) but updates are being made to the application forms (should be ready by mid-December, 2021). Download and complete the application form and obtain a copy of your college transcripts (unofficial transcripts are acceptable). Email completed form and transcripts to [scholarships@idahoafs.org](mailto:scholarships@idahoafs.org). A letter of recommendation to support the application must be emailed from a biology professional, faculty advisor, school administrator, or supervisor. Applications must be received by January 31, 2022. Winners will be announced during the business luncheon at the annual meeting. For more information, contact Lauri Monnot, Public Education Committee Chair, at (208) 373-0203.

### Grants

#### ICAFS Training Opportunity and Project (TOP) Grant

An ICAFS TOP Grant up to \$750 is available for students. The grant money can support attending a professional conference, workshop, or training; conducting research outside typical degree requirements; implementing education projects; or other activities that support the Idaho Chapter mission and goals. For more information please visit this [link](#) or contact Lauri Monnot.

#### Aquatic Education/Trout in the Classroom Grants

ICAFS has a long history of promoting aquatic education efforts. In 2013, ICAFS formally established an Aquatic Education/Trout-in-the-Classroom Grant. These \$50-1250 grants are available to Idaho K-12 teachers to assist aquatic education efforts, including the Trout-in-the-Classroom program or other efforts. The number of grants awarded annually is dependent on available funding and need. Please pass the word to educators! For more information contact Lauri Monnot and please visit this [link](#).



## *Committee/Subunit Updates*

### *Habitat Committee*

**Call for Award Entries** – We simplified our award process and want to encourage nominations of others as well as self-nominations to highlight the significant restoration work being accomplished by our members. Details of the award appear above with the rest of the awards.

We want to announce the following opportunity for enhanced education in fisheries habitat restoration:

**Permitting Workshop**- everyone's favorite (and most requested) topic for construction in waterways. This is a three-part free series, with the first session starting on **December 2**. Please email [jeanne@rivhab.net](mailto:jeanne@rivhab.net) for a summary of topics for each session and for a registration link. If you have any questions on getting permits in mapped waterways, FEMA regulations, or modeling restoration for permitting, this webinar is for you.

Questions, comments, thoughts, award nominations? Contact [ken.bouwens@idfg.idaho.gov](mailto:ken.bouwens@idfg.idaho.gov) or [jeanne@rivhab.net](mailto:jeanne@rivhab.net)

### *Mentoring Committee*

There were two Hutton Scholars in Idaho in 2021! See p. 11 of this newsletter for details. The mentoring committee is working with the student subunits to conduct mock interview and resume review workshops this winter. These workshops have been previously conducted at the ICAFS annual meeting. Based on feedback from students, holding these workshops early in time would be more beneficial, as most jobs are already filled by the annual meeting in the spring. This will allow the students to utilize the skills they learn immediately as they apply and interview for jobs for the upcoming field season. Any students interested in participating should contact their subunit president. Professionals who are interested in assisting with these events, or students/young professionals not affiliated with a subunit, can contact Robert Hand ([robert.hand@idfg.idaho.gov](mailto:robert.hand@idfg.idaho.gov)) for more information.

### *Aquaculture Committee*

The following virtual-only workshop will be hosted on March 1st, 2022 from 8:00 a.m.-12:00 p.m.

#### **Aquaculture Workshop: The Who, What, When, Where, Why and How of Aquaculture in Idaho**

Aquaculture has a long history in Idaho and it has been utilized for several purposes throughout the years, including the conservation of native fish species, providing sportfish and harvest opportunities for our residents and visitors, as well as a vital commercial sector that provides a sustainable food product and a strong contribution to the state's economy. This workshop will expose you to fish culture around the state of Idaho, the reasons behind it, and how it's made possible. It will serve as an educational tool for young fish culture professionals who are searching for the project or organization that will help shape their career.

### *Portneuf Student Subunit*

It has been a busy fall semester at ISU. The group ended the summer with two celebrations of our local Portneuf River - the Poky Paddle and the Portneuf River Cleanup. We kicked off the autumn semester with a field work photo contest, and got glimpses of the work of many club members. The unit also helped to sponsor a showing of "Ocean to Idaho" paired with a presentation from and discussion with producer Kris Millgate. We are preparing for our annual Ice Fishing Derby on American Falls reservoir and other winter events.



## Hutton Scholar spotlights

The **Hutton Junior Fisheries Biology Program** is a paid summer internship and mentoring program for high schools students, which is sponsored by AFS and sometimes other collaborators. The mission is to stimulate interest in careers in fisheries science and management, especially among groups under-represented in fisheries professions. In 2021, Idaho had two Hutton Scholars!

**Anika Tolman** is now a Senior at Salmon High School and is the first Hutton Scholar ever selected from Salmon. This past summer, Anika was paired with professional fishery biologist mentors at both the Salmon-Challis National Forest and the Idaho Department of Fish and Game, which provided a broader overview of future fisheries opportunities. Anika snorkeled and electrofished streams to monitor fish populations, worked on rotary screw traps to monitor juvenile salmon outmigration, collected eDNA samples from streams to clarify Bull Trout distribution, learned how to measure streamflow, helped with a fencing project to protect the city of Salmon water supply, and gill netted trout in alpine lakes. In the fall, Anika likes to spend time hunting, fishing, and riding motorcycles, and in the spring, she competes in track and field, throwing discus and shot put.



**Caleb Hampton**, who is now a senior at Mackay High School, spent the summer working as a Hutton Scholar with Bart Gamett. This afforded Caleb the opportunity to work with fish professionals from the Salmon-Challis National Forest, Idaho Department of Fish and Game, Trout Unlimited, and Lost River Fish Ecology, Inc. on a variety of fish-related activities. His summer was filled with helping collect fish data from streams, mountain lakes, and reservoirs; assisting with the implementation of a large stream restoration project; helping with efforts to protect and restore native fish populations; and participating in several research projects. Caleb also enjoys hunting and taxidermy, and is actively involved in Future Farmers of America and 4-H.

More information about the Hutton Scholarship can be found at:

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





## Student Spotlight

### Alex Wooding

Alex is a master's student in the Integrative Physiology lab at Idaho State University where he is studying the seasonal and thermal regulation of hormones in redband trout. He grew up in New Jersey with a passion for angling and outdoor exploration. Alex received his bachelor's degree at West Virginia University in Wildlife and Fisheries Management, where he assisted graduate students in stream ecology projects in the Allegheny Mountains. Since 2015, Alex has been employed by Colorado Parks and Wildlife, and the Wyoming Game and Fish Department, working on a diverse array of projects, including instream flow and habitat simulation research focused on Hornyhead Chub conservation, restoring Colorado's Greenback Cutthroat Trout, and monitoring demographics and pathology of boreal toads. Alex hopes to use his experience and degree to work on fisheries management issues upon graduation.

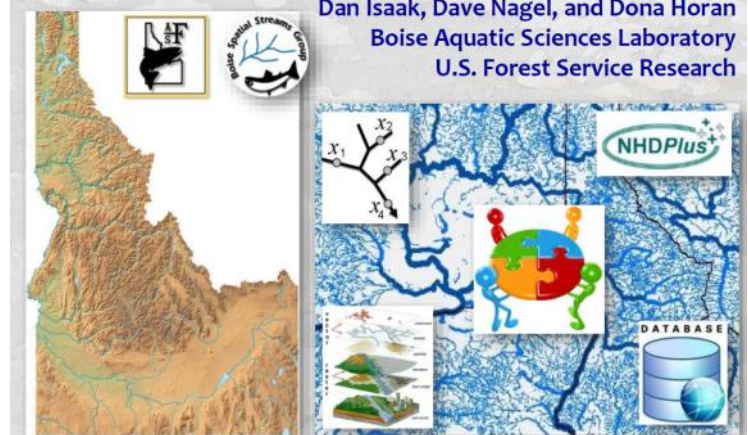


### *ICAFS recently hosted its first webinar*

On September 8, 2021, the Chapter hosted its first webinar. Dan Isaak, Dave Nagel, and Dona Horan of the Rocky Mountain Research Station presented a primer on stream GIS datasets available regionally and nationally, and demonstrated how to relate them to fish populations. The webinar was free and was attended by about 40 Idaho fisheries professionals, which was outstanding attendance considering that national AFS webinars only have about 200 attendees. Links to the recorded presentation and the slideshow will soon be made available on the Chapter website at [this](#) location. Kudos to our outstanding instructors, and we hope to be able to offer more webinars in the future; contact EXCOM with your ideas!

#### **A Primer on Stream GIS Datasets and Spatial Modeling of Fish and Water Quality Attributes in Idaho**

Dan Isaak, Dave Nagel, and Dona Horan  
Boise Aquatic Sciences Laboratory  
U.S. Forest Service Research



## 2022 WDAFS Small Project Grants

### Deadline for applying is February 1, 2022

The WDAFS is currently accepting applications for funding of small fisheries-related projects in the western United States, US territories, Mexico, and Canadian provinces represented by the WDAFS. Grants are usually modest, averaging less than \$1,000, but can help get a project started or be used to supplement funding from other sources.

**Applications must be emailed to WDAFS Past President Todd Pearsons at [tpearso@gcpud.org](mailto:tpearso@gcpud.org).**

WDAFS EXCOM will consider the following project elements when making grant funding decisions. Does the proposal:

1. Promote the AFS mission and WDAFS objectives? Please also refer to the AFS Strategic Plan, available on the AFS website.
2. Incorporate and promote science-based management, conservation, or understanding of fisheries resources?
3. Elevate the visibility of fisheries issues to a broad audience?
4. Need WDAFS funding to complete the project?
5. Have potential for generating revenue that would benefit the WDAFS?



## 2022 National AFS Annual Meeting in Spokane Save The Date!

While we prepare to hold our own annual chapter meeting in March 2022, don't forget that national AFS in August 2022 will be held just next door to us, in Spokane, Washington. National AFS meetings are often difficult to attend due to travel restrictions, but it is much easier to convince your boss you should attend when it is just across the Idaho border. National AFS meetings are known for having dozens of workshops, multitudes of concurrent sessions, auditoriums full of vendors displaying every fish and wildlife gadget known to humans, and more socials than you can fit on your schedule. Get that travel request started soon and save the date for what will surely be a tremendous meeting.



152nd ANNUAL MEETING  
**Spokane**  
AUGUST 21-25, 2022





## Executive Committee



President  
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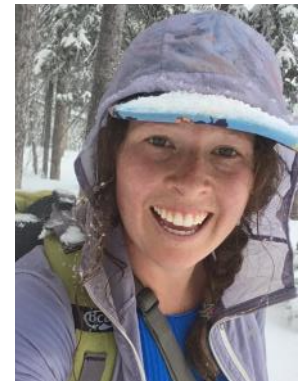
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***The EXCOM wants your ideas ...***

***Please do not hesitate to contact any  
EXCOM Member about questions or ideas .***

***This is your Chapter !***

