

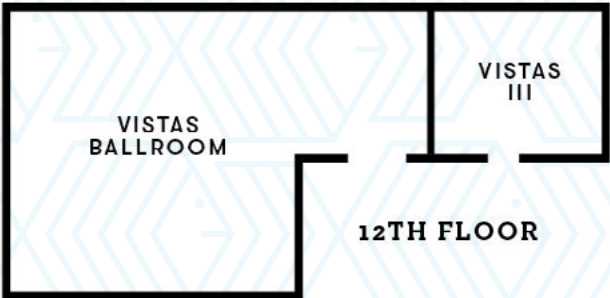
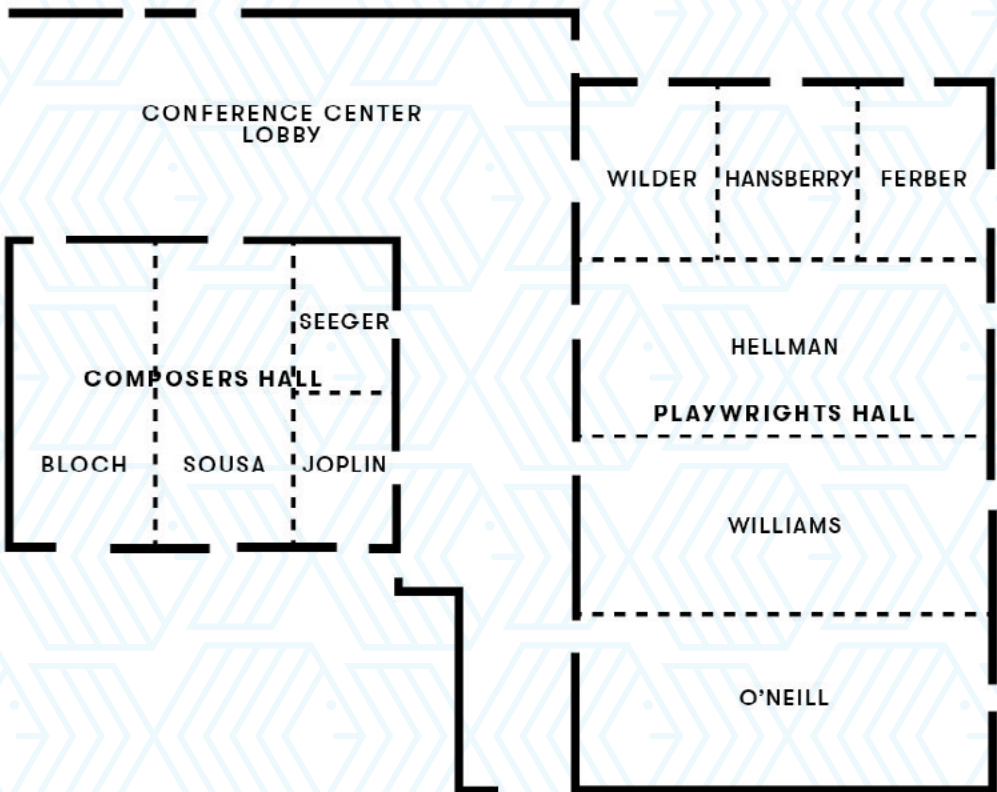


59th Annual Meeting

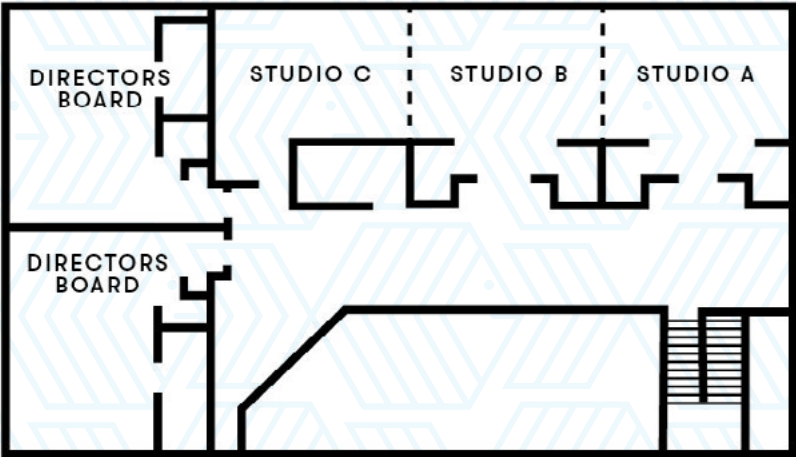
February 28 - March 3, 2023

Eugene Oregon

ORAFS 2023 CONFERENCE - [EVENT MAP](#)



MEZZANINE



ORAFS 2023 CONFERENCE AT A GLANCE - [SCHEDULE](#)

Tuesday, February 28

11:00 a.m. – 5:00 p.m.	Registration / Information	Lobby
1:00 p.m. – 5:00 p.m.	Workshops (Freshwater Mussels, and Data Visualization)	Bloch / Sousa
3:00 p.m. – 3:20 p.m.	Coffee & Refreshment Service	Lobby
5:00 p.m. – 6:00 p.m.	Workshop Social	Vista

Wednesday, March 1

7:00 a.m. – 6:30 p.m.	Registration / Information / Sales Desk Open	Lobby
7:00 a.m. – 8:00 a.m.	Coffee & Refreshment Service	Lobby
8:00 a.m. - Noon	Workshop (Navigating Difficult Conversations)	Sousa
8:00 a.m. – 2:30 p.m.	Trade Show Display Setup	Lobby
1:00 p.m. – 1:10 p.m.	Welcome	O'Neil / Williams
1:10 p.m. – 2:30 p.m.	Plenary Session (2 speakers)	O'Neil / Williams
2:30 p.m. – 11:30 p.m.	Trade Show	Lobby
2:30 p.m. – 3:00 p.m.	Break & Refreshment Service	Lobby
2:30 p.m. – 7:30 p.m.	Poster Session Setup	Hellman / Williams
3:00 p.m. – 5:20 p.m.	Concurrent Sessions (4)	See Sessions at a Glance
6:00 p.m. – 7:30 p.m.	Student – Mentor Mixer	Vista
7:30 p.m. – 8:00 p.m.	Near Retirees - Mentor Mixer	Vista
8:00 p.m. – 11:30 p.m.	Poster Session and Trade Show Social	Hellman/ Williams / Lobby
9:00 p.m. – 11:30 p.m.	Cornhole Tournament	Williams

Thursday, March 2

7:00 a.m. – 5:00 p.m.	Registration / Information / Sales Desk Open	Lobby
7:00 a.m. – 8:00 a.m.	Coffee & Refreshment Service	Lobby
8:00 a.m. – 5:00 p.m.	Trade Show	Lobby
8:00 a.m. - Noon	Concurrent Sessions (5) + Refreshment Service 10:00 – 10:20 a.m.	See Sessions at a Glance
Noon – 1:45 p.m.	Awards Luncheon (no charge), Professional Awards, Scholarships	Playwright's Hall
1:45 p.m. – 2:45 p.m.	OR AFS Business Meeting followed by Refreshment Service	Sousa
3:00 p.m. – 5:00 p.m.	Concurrent Sessions (4)	See Sessions at a Glance
5:00 p.m. – 6:00 p.m.	Spawning Run / Carcass Crawl	Lobby
6:00 p.m. – 8:30 p.m.	Silent Auction	Playwright's Hall
6:30 p.m. – 9:00 p.m.	Banquet, Awards, Oral Auction, Raffle	Playwright's Hall
9:00 p.m. – 11:30 p.m.	Cornhole Tournament	Playwright's Hall
9:00 p.m. – 11:00 p.m.	Entertainment: The Muddy Souls	Playwright's Hall

Friday, March 3

8:00 a.m. - Noon	Registration / Information / Sales Desk Open	Lobby
8:00 a.m. – 9:00 a.m.	Coffee & Refreshment Service	Lobby
8:00 a.m. – 10:20 a.m.	Trade Show	Lobby
8:40 a.m. – 11:40 a.m.	Concurrent Session (3) + Refreshment Service 10:00 – 10:20 a.m.	See Sessions at a Glance

ORAFS 2023 CONFERENCE AT A GLANCE - SESSIONS

Tuesday, February 28					
1:00 p.m.	Concurrent Workshops – Bloch / Sousa				
5:00 p.m.	Workshop Social – Vista				
Wednesday, March 1					
8:00 a.m.	Workshop - Sousa				
1:00 p.m.	Welcome and Plenary Speakers – O’Neil/Williams				
2:30 p.m.	><)))> Break <(((><				
Room	Bloch	Sousa	Joplin	Wilder	
3:00 p.m.	Fish Passage	Native Fishes	Fish Culture		Outreach
6:00 p.m.	Student - Mentor Mixer - Vista				
7:30 p.m.	Near Retirees - Mentor Mixer - Vista				
8:00 p.m.	Poster Session & Tradeshow Social – Williams/Hellman				
Thursday, March 2					
Room	Bloch	Sousa	Joplin	Wilder	Hansberry
8:00 a.m.	Climate Adaptation	Klamath Basin Spotlight	Fish Habitat	Eastern Oregon Fish Research	Fish Passage
10:00 a.m.	><)))> Break <(((><				
10:20 a.m.	Climate Adaptation	Klamath Basin Spotlight	Fish Habitat	Eastern Oregon Fish Research	Harvest Management
Noon	Awards Luncheon – O’Neil/Williams				
1:45 p.m.	OR AFS Business Meeting - Sousa				
Room	Bloch	Sousa	Joplin	Wilder	Hansberry
3:00 p.m.	Climate Adaptation	Klamath Basin Spotlight	Fish Habitat	Eastern Oregon Fish Research	Fish Passage
5:00 p.m.	Spawning Run/Carcass Crawl - Lobby				
6:00 p.m.	Silent Auction, Banquet Social – Playwrights Hall				
6:30 p.m.	Banquet, Oral Auction, Raffle – Playwrights Hall				
9:00 p.m.	Entertainment: The Muddy Souls / Cornhole Tournament – Playwrights Hall				
Friday, March 3					
Room	Bloch		Sousa	Joplin	
8:40 a.m.	Populations on the Edge		Lake and Reservoir Management	Marine and Estuary Invertebrates	
10:00 a.m.	><)))> Break <(((><				
10:20 a.m.	Biotelemetry Studies & Data Analysis		Lake and Reservoir Management	Marine and Estuary Invertebrates	
Noon	OR AFS 59th Annual Meeting Ends				

2022-2023 ORAFS LEADERSHIP - CHAPTER OFFICERS

COMMITTEE CHAIRS

INTERNAL COMMITTEES

AFS/TWS LIAISON

Laura Tesler (ODFW)

AWARDS

Brian Bangs (USFWS)

RESOLUTIONS & BYLAWS

Claire Rosemond (OSU)

HISTORIAN

Mike Gauvin (ODFW)

FINANCIAL SUSTAINABILITY

Tony Siniscal (NOAA)

Troy Brandt (RDG)

NEWSLETTER EDITOR

Stacy Strickland (ODFW)

SCHOLARSHIPS

Kate Self (CRITFC)

WEBMASTER

Emma Garner (MFWWC)

EXTERNAL COMMITTEES

CLIMATE ADAPTATION

Kara Anlauf-Dunn (ODFW)

DIVERSITY, EQUITY, & INCLUSION

Guillermo Giannico (OSU)

EDUCATION & OUTREACH

Karen Hans (ODFW)

FISH CULTURE

Jen Krajcik (ODFW)

FRESHWATER HABITAT

Cory Sipher (BLM)

LEGISLATIVE

Troy Brandt (RDG)

MARINE HABITAT & ECOLOGY

Michael Harte (OSU)

Kelly Lawrence (ODFW)

NATIVE FISH

Jim Capurso (USFS)

NATURAL PRODUCTION

Ian Tattam (ODFW)

SOCIAL MEDIA

Demian Ebert (PC)

HUMAN DIMENSIONS

Ben Clemens (ODFW/OSU)

Jason Dunham (USGS)

Hannah Gosnell (OSU)



Chris Hirsch
(USFS)
President



Gary Vonderohe
(ODFW)
President-Elect



Scott Heppell
(OSU)
Past President



Claire Rosemond
(OSU)
Vice President



Sarah Sapienza
(ODFW)
Secretary



Adrienne Averett
(ODFW)
Treasurer



Alex Harrison
(ODFW)
External Director



Joe Lemanski
(ODFW)
Internal Director

The **President** of the Chapter presides at all Chapter meetings, chairs the ExCom, is Chapter Representative to the Western Division and to the parent society, makes appointments and performs other duties and functions as authorized and necessary for overall Chapter effectiveness, crafts a one-year work plan and budget, arranges sponsorships, and writes columns for the newsletter.

The **President-Elect** chairs the Program Committee, assumes the duties of the President in the event of the President's absence or inability to act, plans the Annual Meeting theme, program, and presentations.

The **Past President** chairs the Nominating Committee and also chairs the ExCom if neither the President nor President-Elect is available, imparts historical wisdom, manages the Trade Show, and prepares for retirement.

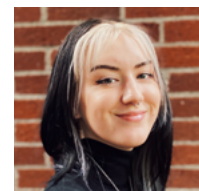
The **Vice President** chairs the Resolutions and Bylaws Committee, assumes the duties of the President-Elect in the event that office is vacated prior to completion of the term, and manages Student Activities and Raffle & Auction committees.

The **Secretary** keeps the official records of the Chapter.

The **Treasurer** collects and banks any funds allotted to the Chapter, disburses funds as authorized by the Executive Committee, serves on the Financial Sustainability Committee, and disseminates information regarding the performance of the ORAFS investment portfolio.

The **External Director** supervises and motivates all External Committees. Ensures that committees respond to ExCom (and vice-versa) and participate in the Annual Meeting.

The **Internal Director** appoints the Historian and chairs of the Awards, Scholarships, and the Arrangements committees. Manages facility, food breaks, and A/V needs and costs for the Annual Meeting.



Natalie Godwin
(OSU)



Bridget Manning
(MHCC)

The **Student Subunit Representatives** serve as liaisons between the Chapter and the approved student subunit(s) of the Chapter. Assist Vice President with student planning for the Annual Meeting.

2022-2023 ORAFS LEADERSHIP - STUDENT OFFICERS



OSU Fisheries and Wildlife Club Leadership Team

Names listed left to right,

Back Row:

Sophia Loureiro

Primary TWS Liasion

Mayah Baker

Vice President

Molly Hiatt

Officer At Large

& Social Media Coordinator

Front Row:

Charlotte Hussain

Secretary

Nat Godwin

Primary AFS Liaison

Abigail Yukanovich

Treasurer

Not pictured:

Jacob Edwards

President



MHCC Fisheries Club Leadership Team

Names listed left to right:

Mario Nunez-Rivas

Treasurer

Bridget Manning

President

McKenzie Huff

Secretary

Mitchell Sennewald

Vice-President



ORAFS 2023 CONFERENCE - **PLANNING COMMITTEE**

Program Committee Chair

Gary Vonderohe

Awards

Brian Bangs

Scholarships

Kate Self

Student Paper/Poster Judging

Stephanie Gunckel

Workshops

Gary Vonderohe

Technical Program

Gary Vonderohe, Tobias Kock, Mark Weiland,
Ben Ramirez, Justin Miles, Kara Anlauf-Dunn,
Steve Rumrill, Tony Siniscal, Ian Tattam, Jen Krajcik

Poster Chair

Helena Linnell

Website and Abstract Submission

Emma Garner, Adrienne Averett,
Sarah Sapienza, Gary Vonderohe

Registration

Adrienne Averett, Sarah Sapienza

Signs and Banners

Gary Vonderohe

Imbibements

Bill Brignon

Spawning Run/Carcass Crawl

Jeff Ziller, Martyne Reesman

Business Meeting

Chris Hirsch

Budget

Adrienne Averett

Student Coordination/Mixer

Claire Rosemond, Natalie Godwin,
Bridget Manning

Volunteers

Olivia Boisen

Raffle and Auction

Claire Rosemond, Rachel Petersen,
Jill Munger

Facility and Food Arrangements

Joe Lemanski

Vendor Exhibits/Trade Show

Scott Heppell, Chris Hirsch

Sponsorships

Scott Heppell

Photography

Pete Baki

Cornhole

Bridget Manning, Jon Pearson,
Mario Nunez Rivas, Mitchell Sennewald

Program Guide/Design/Layout Contract

Dan Orgill, Gary Vonderohe

Name Tags and Lanyards

Sarah Sapienza, Adrienne Averett

Banquet Social/Music

Tony Siniscal

WELCOME



Welcome to the 59th Annual Meeting of the Oregon Chapter of the American Fisheries Society and our first in-person meeting in three years. Zoom meetings have worked to keep us all connected over the past two years, but I am looking forward to seeing all my friends and colleagues that I haven't seen in several years.

This year's annual meeting theme is "Facing Our Challenges". I am sure we can all list a plethora of challenges that we have gone through in our personal and work lives. Sometimes it would be a lot simpler to take the easy pathway out, but we need to take on the challenges that come our way and fight for what's best for the fish and their habitats. The purpose of this meeting is to share our challenges in the fisheries world and inspire everyone to tackle our current and future challenges.

To kick off the annual meeting we have three great workshops followed by two exceptional Plenary Speakers. Our speakers, Ed Bowles and Krystyna Wolniakowski, have both worked many years in the Pacific Northwest leading programs to benefit fish and their habitats. As you can imagine they have faced many challenges and have lots to share with us.

Following the plenary talks we have a great line up of concurrent sessions including topics on the Klamath Basin, Climate Adaptation, Eastern Oregon Fisheries Research, Marine & Estuary Invertebrates, and much more. Don't forget to attend the Thursday Awards Lunch to honor our colleagues. Right after lunch remember to attend the OR Chapter AFS Business Meeting to find out what our Executive Committee has been up to this year. If you would like to get more involved with the chapter plan to attend one (or more) of the External Committee meetings.

After the concurrent sessions on Wednesday join us for the Student/Mentor Mixer followed immediately by the new Near Retirees/Mentor Mixer. This is a great opportunity for those of you that are nearing retirement and have a few questions for those former colleagues that have already taken that next step. We welcome back the Poster Session/Tradeshow and the Banquet socials. Bring some extra cash to spend at the Auction/Raffle for the many items like fishing trips, wine tours, artwork, and much more.

Remember to stop by our many Vendor booths and say thank you to all our sponsors that help make this Annual Meeting possible.

Finally, thank you to Natalie Scheibel for designing the 2023 Annual Meeting logo.

A handwritten signature in black ink that reads "Gary Vonderohe". The signature is fluid and cursive.

Gary Vonderohe

President-elect, Oregon Chapter, American Fisheries Society

LETTER FROM THE PRESIDENT



The Oregon Chapter AFS Executive Committee and Meeting Planning Committee welcomes you to the 59th Annual Meeting of the Oregon Chapter of the American Fisheries Society. It will be great to see you in person after 2 years of virtual meetings. The virtual meetings allowed us to include more people who wouldn't otherwise have been able to join us and grow our influence. But they lacked the personal connections we get from our in-person meetings. Our Program Committee has created lots of opportunities to learn, develop new skills, renew connections, and make new ones. I want to specifically extend a warm welcome to our first-time attendees, students, and young professionals – you are the future of our chapter and our profession.

Please join me at our Awards Luncheon to celebrate achievements and careers with our chapter awards and scholarship winners. The Oregon Chapter won the Outstanding Large Chapter Award at both the Western Division and the Society level last year. There are many things that make us strong and earn repeated recognition. We have strong and effective internal and external committees, we have excellent student subunits, we invest in our students and members, and we consistently have outstanding meetings to promote and connect our members and the latest science and information. Learn what the chapter has been up to and who our officers will be for next year at the business meeting and become part of what guides this outstanding chapter.

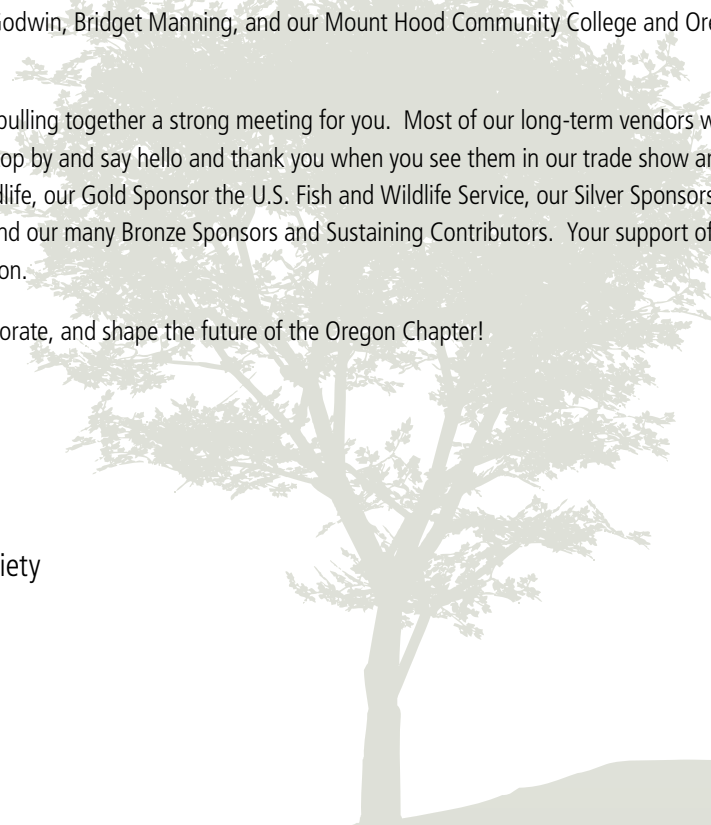
The vision and leadership of our President-Elect and Program Chair Gary Vonderohe has produced a plethora of diverse workshops and symposia. And it couldn't have happened without the strong support of our planning committee who have each pulled their pieces together. Some people to specifically thank include Joe Lemanski for pulling together all the venue details and arrangements; Adrienne Averett for carrying the registration platform knowledge forward and keeping that running smoothly and Sarah Sapienza for being the rest of the dream team keeping the behind the scenes pieces running smoothly; Claire Rosemond for leading the raffle/auction committee and student/mentor mixer; Brian Bangs and Kate Self for leading the awards and scholarship committees, respectively; Stephanie Gunckle for organizing our best student paper and poster judging; Jeff Ziller for organizing our spawning run; Helena Linnell for organizing our poster session; Olivia Boisen for coordinating our volunteers; and Bill Brignon for leading our imbibements committee; all with the support of Alex Harrison, Scott Heppell, Natalie Godwin, Bridget Manning, and our Mount Hood Community College and Oregon State University student subunit members.

Our sponsors and vendors provide the financial backbone of pulling together a strong meeting for you. Most of our long-term vendors will be back this year and we have quite a few new ones joining us.. Please stop by and say hello and thank you when you see them in our trade show area. Thank you to our Platinum Sponsor Oregon Department of Fish and Wildlife, our Gold Sponsor the U.S. Fish and Wildlife Service, our Silver Sponsors Cramer Fish Sciences, Oregon State University, and Real Time Research, and our many Bronze Sponsors and Sustaining Contributors. Your support of the meeting and our students continues to grow and improve our profession.

I hope you enjoy these opportunities to learn, connect, collaborate, and shape the future of the Oregon Chapter!

A handwritten signature in black ink that reads "Christine Hirsch".

Christine Hirsch
President, Oregon Chapter, American Fisheries Society



PLENARY SPEAKERS



Krystyna U. Wolniakowski

Krystyna U. Wolniakowski was appointed as Executive Director of the bi-state Columbia River Gorge Commission in 2015. The Gorge Commission oversees management of the Columbia River Gorge National Scenic Area established by Congress in 1986 and spans 85 miles of the Columbia River in Oregon and Washington. It is the largest national scenic area in the U.S. to protect the natural, cultural, scenic, and recreation resources and to support economic vitality in the region.

Before joining the Commission, Krystyna led the Western Regional Office of the National Fish and Wildlife Foundation (NFWF) in Portland for more than 14 years as Regional Director, fundraising and managing conservation grant-making programs in seven Western states. In this role, she created the Alaska Fish and Wildlife Fund that invested over \$20 million for 200 projects that protected marine mammals,

seabirds, and salmon habitat. She received the “Alaska Partner of the Year Award” from U.S. Fish and Wildlife Service Region 6 for outstanding leadership in conservation. In addition, she initiated and managed the Washington Community Salmon Fund program, the Jackson Hole One Fly native trout conservation program, as well as the Oregon Governor’s Fund for the Environment. She served as a founding member of the National Fish Habitat Board for 12 years.

Krystyna was recently appointed by Governor Kate Brown to the Oregon Ocean Science Trust Board and to the Klamath Basin Renewal Corporation Board to oversee the removal of the four Klamath River dams. She was also appointed by the Secretary of Commerce to serve on the North Pacific Research Board in Alaska in 2021.

From 1991-2000, she worked for the German Marshall Fund of the U.S. as Director for Central and Eastern Europe, developing programs for conservation, economic, and democratic reforms in seven countries after the fall of the Berlin wall. In 2015, she received the President of Poland’s “Knights Cross of Merit” Award for recognition of her decade-long efforts in developing international partnerships in conservation. To stay engaged with international work, she was appointed to the Romanian-American Foundation Board where she supports transatlantic initiatives with sustainable tourism, rural economic development, and innovation/entrepreneurship training.

While working for the Oregon Department of Environmental Quality from 1983-1991 as a biologist and water quality manager, Krystyna was active in the Oregon Chapter of the American Fisheries Society serving as Chair of several committees including Chapter President in 1989-1990. Krystyna earned her B.S. degree at the University of Wisconsin-Eau Claire in Biology/Chemistry in 1977 and her M.S. degree at Oregon State University in oceanographic sciences in 1980. She received the “Distinguished Alumni Award for Lifetime Achievement” from UWEC in 2013.

In her spare time, Krystyna loves to ski, flyfish, SCUBA dive, hike, and cook Polish dinners for friends.

PLENARY SPEAKERS



Ed Bowles

Ed Bowles was the Fish Division Administrator for Oregon Department of Fish and Wildlife from 2000 until his retirement in 2020. His oversight included an annual budget of approximately \$90M administered through nine programs and over 850 employees. Ed spent the first half of his career with Idaho Department of Fish and Game as a research scientist, research supervisor and anadromous fish manager. Ed currently works part time for ODFW supporting the State of Oregon's scientific, legal and political leadership on salmon recovery in the Columbia and Snake rivers.

Throughout Ed's career, his accomplishments have all flowed from an ability to help see solutions through the chaos and inspire and motivate others to work collaboratively toward those solutions. As such, the following accomplishments reflect true team efforts.

On the freshwater side, his accomplishments include developing and implementing key foundational policies for native fish conservation and hatchery management, lower Columbia River harvest reform, federal ESA recovery planning, and helping ensure the Federal Columbia River Power System meets their fish conservation and recovery responsibilities. Ed has dedicated much of his career toward improving salmon and steelhead survival associated with the dams on the lower Columbia and Snake rivers. This leadership resulted in numerous legal and policy successes and continues to provide momentum towards restoration of a free-flowing lower Snake River. Ed's science and policy leadership has also helped Oregon become an international leader on understanding and addressing climate change.

On the salty side, Ed's accomplishments include leading the state's effort to develop and implement a system of marine reserves and marine protected areas. His leadership also helped establish Oregon as a science and policy leader on ocean acidification and hypoxia associated with climate change. He also represented the west coast as an advisor to the Obama Administration on the National Ocean Policy, represented Oregon on the West Coast Ocean Alliance, and represented the Governor on the Ocean Policy Advisory Council. Ed was a long-standing member of the Pacific States Marine Fisheries Commission where he served as a Commissioner for Oregon.

Some of Ed's recognitions include receiving the University of Idaho distinguished alumni award "Celebrating Natural Resources" in 2019, the ORAFS Lifetime Achievement Award in 2021, and induction into the parent society's AFS National Fisheries Management Hall of Excellence in 2021.

Ed has graduate and undergraduate degrees in fisheries science from the University of Idaho (MS 1985) and the University of Wisconsin – Stevens Point (BS 1981).

ORAFS 2023 TECHNICAL SESSIONS

WEDNESDAY, 3/1/2023, 3:00 – 5:20 P.M.

	FISH PASSAGE	NATIVE FISHES	FISH CULTURE	OUTREACH
Room	Bloch	Sousa	Joplin	Wilder
Moderator	Greg Apke, ODFW	Jim Capurso, USFS	Jen Krajcik, ODFW	Kelsey Anderson, ODFW
3:00 PM	State of Oregon New Fish Passage Administrative Rules Greg Apke, ODFW	Intestinal lesions and links to pre-spawn mortality in spring Chinook salmon (Oncorhynchus tshawtscha) Tamsen Polley, OSU*	The Oregon Hatchery Research Center: A retrospective and forward look at sustainable hatchery management Seth White, OSU	Tough Conversations: Using the science of communication to strengthen fisheries management Vaughn Robison, OSU
3:20 PM	You Otter See This Fish Ladder Richard Grost, PC	A range-wide database of whole genomes illuminates the geographic and evolutionary context of adaptive variation in Chinook salmon Tasha Thompson, WSC	Operational Research at the Oregon Hatchery Research Center Jen Krajcik, ODFW	Fishing: The key to cultivating public interest in ecosystems and habitats conservation. A primer on recruiting and sustaining support for conservation Antonio Salgado, ODFW
3:40 PM	Warner Basin Fish Passage Program Troy Brandt, RDG	The Smith River Verification Study: A successful failure improves juvenile salmonid monitoring in Western Oregon Ronald Constable, ODFW	Creating a Unique Odor Bouquet to Improve Homing of Hatchery-Reared Salmon Andrew Dittman, NOAA	Exploring Social Constructs to Improve Monitoring of Oregon Marine Reserves Thomas Swearingen, ODFW
4:00 PM	Science informing decisions: development of an assessment tool to support decisions around tide gate improvements Kara Anlauf-Dunn, ODFW	Community dynamics of native and non-native fish in a changing ecosystem Aleah Dew, OSU*	Big fish with tiny friends: the role of the microbiome in Pacific salmon health Claire Couch, OSU	10 years of Oregon's Marine Reserves: What have we learned? Lindsay Aylesworth, ODFW
4:20 PM	Fish Passage at the Winter Lake Restoration and Tide Gate Upgrade Project Julie Huff, CoqWA	Genetic approaches reveal a healthy population and an unexpectedly recent origin for Forkett Spring Speckled Dace Brian Sidlauskas, OSU	Rearing velocity influence size variation among full sibling families of steelhead (Oncorhynchus mykiss) Miriam Obley, OSU*	Reflecting on 10 years of Communications and Outreach Efforts in Oregon's Marine Reserves Kendall Smith, ODFW
4:40 PM	Field test of a low-voltage system for blocking and removing invasive carp during seasonal migrations: applications for Western US Przemek Bajer, CS	Native Fish Committee meeting Jim Capurso, USFS	VALUE TAGGING 1,000s of 'wild-like' hatchery salmon to test innovations and improve the vitality of hatcheries. Michael Banks, OSU	Oregon marine reserve stakeholders' feelings as indicators of underlying goals and perceptions of fairness Brian Erickson, OSU*
5:00 PM			Dude should be a Lady?-Implications of dense salmon rearing practices on sex ratios Morgan Davies, ODFW	Beyond Commercial Fishing: Exploring Perceived Impacts of Oregon's Marine Reserves on Other Coastal Businesses Adrian Laufer, SSS
5:20 PM			Fish Culture Committee meeting Jen Krajcik, ODFW	Education and Outreach Committee meeting Karen Hans, ODFW

*Student

ORAFS 2023 TECHNICAL SESSIONS

THURSDAY, 3/2/2023, 8:00 – 10:00 A.M.

	CLIMATE ADAPTATION	KLAMATH BASIN SPOTLIGHT	FISH HABITAT	FISH PASSAGE	EASTERN OREGON FISH RESEARCH
Room	Bloch	Sousa	Joplin	Wilder	Hansberry
Moderator	Kara Anlauf-Dunn, ODFW Julie Firman, ODFW	Ben Ramirez, ODFW	Cory Sipher, BLM	Stephanie Messerle, BLM	Ian Tattam, ODFW
8:00 AM	We are living climate change! Applied climate science and climate stories Kara Anlauf-Dunn, ODFW	Klamath Dam Removal Project: Status, Milestones, and Schedule Krystyna Wolniakowski, KRRC	Habitat use of anadromous sturgeon in North America: a systematic review Erin Lunda, OSU*	Much ado about fish passage-minus romanticized context Erick VanDyke, ODFW	
8:20 AM	Coastal cutthroat trout navigate a temperature-oxygen squeeze in floodplain thermal refuge habitats Hannah Barrett, OSU*	Restoration elements of the Klamath River Renewal Project (i.e. Lower Klamath Project) Dave Coffman, RES	Good Neighbor Authority How Federal Partnerships with States & Tribes Can Fund Fish Habitat Restoration Projects Karen Hans, ODFW	Jointly Modelling Covariate Effects on Salmonid Survival During Outmigration Through The Columbia River Power System Quinn Payton, RTR	
8:40 AM	Trout under drought: A long-term study of annual growth and body-condition of stream-living Coastal Cutthroat Trout Ivan Arismendi, OSU	Fisheries Monitoring Elements of the Klamath River Renewal Project Daniel Chase, RES	Assessing the Need of Habitat Restoration to Return Reach 2 of Summit Creek to "Stage 0", Malheur National Forest OR Rebecca Schwartz, CTUIR*	North Fork Dam Juvenile Collection System Performance Nick Ackerman, PGE	Forty Years of the Imnaha River Chinook Salmon Supplementation Program: Is Supplementation Working? Joseph Feldhaus, ODFW
9:00 AM	Marine heat wave impacts on Black Rockfish reproductive development Claire Rosemond, OSU*	Engaging Agricultural Landowners in Fish Habitat Restoration: Pathways and Barriers Laura Duffy, OSU*	A meta-analysis of Oncorhynchus mykiss habitat use and ontogenetic niche shifts incorporating geographic variability Lauren Diaz, OSU*	2023 Culvert Repair Programmatic Agreement Update Pete Baki, ODFW	Lessons learned evaluating eight brood years of spring Chinook Salmon acclimated and direct stream released into the Imnaha River Ethan Brandt, ODFW
9:20 AM	Chinook salmon depth-use behaviors exacerbate bycatch in the Pacific hake fishery at night and in warm ocean temperatures Megan Sabal, ODFW	Habitat fragmentation drives divergent survival strategies of a cold-water fish in a warm landscape Nick Hahlbeck, OSU	Invasive performance and climatic niche dynamics of Rainbow and Brown trout in the Himalayas Arif Jan, OSU*	Breaking Down Barriers Between Fish and Wildlife: Quantifying Benefits to Integrated Fish Barrier Removal Planning Laura McMullen, ICF	Investigation and Mapping of John Day Steelhead Overshoot Logan Breshears, OSU/ODFW*
9:40 AM	Percilidae: Will they survive the future threat of climate change? Gustavo Adolfo, UC*	Characterizing riverscape patterns of dissolved oxygen in the Sprague River Basin Jordan Ortega, OSU*	Setting targets and effectiveness monitoring of restoration actions using the Unit Characteristic Method Hans Berge, CFS	Another One Bites The Dust: The Top Coos Fish Passage Barrier Is Reduced To Rubble Allison Tarbox, CoosWA	One fish, two fish... estimating abundance of wild summer steelhead in the Deschutes Jeremy Henderson, ODFW

*Student

ORAFS 2023 TECHNICAL SESSIONS

THURSDAY, 3/2/2023, 10:20 A.M. – NOON

	CLIMATE ADAPTATION	KLAMATH BASIN SPOTLIGHT	FISH HABITAT	HARVEST MANAGEMENT	EASTERN OREGON FISH RESEARCH
Room	Bloch	Sousa	Joplin	Wilder	Hansberry
Moderator	Kara Anlauf-Dunn, ODFW Julie Firman, ODFW	Ben Ramirez, ODFW	Cory Sipher, BLM	Tony Siniscal, NOAA	Ian Tattam, ODFW
10:20 AM	Climate adaptation in managed forest watersheds Ashley Coble, NCASI	A strategy for monitoring repopulation and pre-dam removal studies in the Upper Klamath Basin Mark Hereford, ODFW	A 3D View of the Past Jeffery Varga, SOCC*	International in-season fisheries management challenges for Fraser River sockeye as abundances decline Fiona Martens, PSC	Monitoring Migration Patterns in Umatilla River Summer Steelhead Stacy Remple, ODFW
10:40 AM	Leveraging VELMA-PENUMBRA Models to Understand Both the Effects Climate Change and the Effects of Climate Mitigation Strategies Courtney Zambory, ODFW	A release study assessing the survival of juvenile spring-run Chinook salmon in the Upper Klamath River Basin to inform reintroduction Rachelle Tallman, UCD*	Identifying the drivers of aquatic ecosystem vulnerability to wildfires in the Pacific Northwest David Roon, OSU	Treaty and Non-Treaty Abundance-Based Management in the Columbia River Kate Self, CRITFC	Unintended consequences of spawning early returning steelhead broodstock. Is the juice worth the squeeze? Mike Greiner, ODFW
11:00 AM	How does dissolved oxygen vary across riverscapes and what does it mean for fish and conservation? Jonathan Armstrong, OSU	Estimating survival of juvenile Chinook Salmon through the outlet of Upper Klamath Lake and Keno Dam James Whelan, CPSU*	How does stream light change stream ecosystem characteristics and fish abundance in Oregon Coast Range streams? Ashley Sanders, OSU*	The science of Black Rockfish management Leif Rasmuson, ODFW	A genetics Canadian tuxedo: Part 1 (the gene jacket) using parentage assignments to assess adult spawner pairing and distribution Joseph Lemanski, ODFW
11:20 AM	Real-Time Monitoring and Forecasting of Water Temperature Conditions for Management Decision Making Spencer Sawaske, ODFW	Juvenile Spring-run Chinook Salmon Susceptibility to Pathogens in the Upper Klamath Basin, to Inform Reintroduction Efforts Hayden Krause, OSU*	Risk vs. Reward: Juvenile Salmonid Rearing Potential in Seasonally Disconnected Floodplain Habitats in the Skagit River, WA Maddie Hicks, OSU	Shrimping without a quota Scott Groth, ODFW	A genetics Canadian tuxedo: Part 2 (the genes) Watershed-scale assessment of juvenile Chinook Salmon dispersal patterns Matthew Kaylor, OSU/CRITFC
11:40 AM	Stream temperature models could support climate resilient riverscape management, if only we knew what to do with all that data. Chris Jordan, NOAA	Epidemiology of two salmonid parasites in the Klamath River's hydroelectric reach Elliott Cameron, OSU*	When in drought: Fish, salamander and ecosystem process responses to an experimental drought Dana Warren, OSU		A genetics Canadian tuxedo: Part 3 (the vest) - Linking restoration impacts on shifting spawning distributions to offspring tributary use Lindsay Ciepiela, ODFW

*Student

ORAFS 2023 TECHNICAL SESSIONS

THURSDAY, 3/2/2023, 3:00 – 5:00 P.M.

	CLIMATE ADAPTATION	KLAMATH BASIN SPOTLIGHT	REINTRODUCTIONS – WHERE ARE WE NOW?	EASTERN OREGON FISH RESEARCH
Room	Bloch	Sousa	Joplin	Hansberry
Moderator	Kara Anlauf-Dunn, ODFW Julie Firman, ODFW	Troy Brandt, RDG	Mike Gauvin, ODFW	Ian Tattam, ODFW
3:00 PM	Show Me the Money: Climate Resilience Funding that Benefits Fish, Wildlife, and Habitat Joanne Throwe, TE	Monitoring and managing a PNW river to mitigate disease in anadromous salmon: metrics that matter Sascha Hallett, OSU	Guess who's back? Back again. Coho's back. Tell a friend: A status of Coho Salmon reintroduction in the Wallowa River Basin. Kyle Bratcher, ODFW	Using a Mobile PIT Tag Monitoring System to Assess Habitat Preference of Juvenile Salmonids in the Middle Fork John Day River Lizz Blackburn, ODFW
3:20 PM	Fifteenmile Action to Stabilize Temperatures (FAST): Climate Adaptability in a Small Temperature Limited Stream Drake Gilbert, WSWCD	A rolling rock gathers no worms: Responses of invertebrate hosts of salmon parasites to Klamath River flow events Julie Alexander, OSU	Is Three Years of Reintroduction Enough to Restore Oregon's Chum Salmon? Kelcee Smith, ODFW	Distribution and density of juvenile salmonids within the Wallowa River basin Fred Drascic, ODFW
3:40 PM	Act I: Communicating climate science: What is the problem? Mark Blaine, UO	Fish Protection Screens at Klamath River Diversions after Dam Removal: Design and Lessons Learned from the Elwha River John Burnett, ISI	We're back: recolonization of Chinook salmon in Quartzville Creek Hans Berge, CFS	Tipping the scales: a ray of insight into the accuracy and precision of two different age structures for Spring Chinook Salmon Emily Treadway, ODFW
4:00 PM	Act II: Science communication and longitudinal storytelling Torsten Kjellstrand, UO	Avian Predation on Juvenile and Adult Lost River and Shortnose Suckers: An Updated Multi-Predator Species Evaluation Allen Evans, RTR	Reintroduction of Bull Trout to the Clackamas River – A 10-Year Retrospective Chris Allen, USFWS	
4:20 PM	Act III: The science story: Dynamic watersheds in the Anthropocene Mark Blaine, UO	The Mystery Age Class: 2022 movement and survival of juvenile suckers in Upper Klamath Lake McKenzie Wasley and Christi Kruse, USFWS	Bull Trout Reintroduction Effectiveness and Prospects in the Upper Willamette Basin Nik Zymonas, ODFW	
4:40 PM		A Decade of Bull Trout Recovery in Middle Sun Creek Following Antimycin Treatment to Remove Nonnative Fish Dave Hering, NPS	Natural Production and Freshwater Habitat Committee meeting Ian Tattam, ODFW Cory Sipher, BLM	Diversity, Equity, and Inclusion Committee meeting Guillermo Giannico, OSU
5:00 PM	Climate Adaptation Committee Meeting Kara Anlauf-Dunn, ODFW	Legislative Committee Meeting Troy Brandt, RDG		

BLM = Bureau of Land Management
CFS = Cramer Fish Sciences
CoosWA = Coos Watershed Association
CoqWA = Coquille Watershed Association
CRITFC = Columbia River Inter-Tribal Fish Commission
CPSU = California Polytechnic State University
CS = Carp Solutions
CTUIR = Confederated Tribes of Umatilla Indian Reservation

FPESDS = Four Peaks Environmental Science & Data Solutions
ICF = ICF
ISI = Intake Screens, Inc.
KRRRC = Klamath River Renewal Corporation
NCASI = National Council for Air & Stream Improvement
NOAA = National Oceanic & Atmospheric Administration
NPS = National Park Service
ODFW = Oregon Department of Fish and Wildlife

OSG = Oregon Sea Grant
OSU = Oregon State University
PC = PacifiCorp
PGE = Portland General Electric
PSC = Pacific Salmon Commission
RDG = River Design Group, Inc.
RES = Resource Environmental Solutions
RTR = Real Time Research
SOCC = Southwest Oregon Community College
SSS = Sea & Shore Solutions, LLC
STI = Spokane Tribe of Indians

TE = Throwe Environmental, LLC
UC = University of Concepción
UCD = University of California Davis
UO = University of Oregon
USFS = U.S. Forest Service
USFWS = U.S. Fish and Wildlife Service
WSC = Wild Salmon Center
WSWCD = Wasco County Soil & Water Conservation District

ORAFS 2023 TECHNICAL SESSIONS

FRIDAY, 3/3/2023, 8:40 – 10:00 A.M.

	POPULATIONS ON THE EDGE	LAKE AND RESERVOIR MANAGEMENT	MARINE & ESTUARY INVERTEBRATES
Room	Bloch	Sousa	Joplin
Moderator	Morgan Davies, ODFW	Justin Miles, ODFW	Steve Rumrill, ODFW
8:40 AM	Coquille River Fall Chinook - Challenges for Recovery of a Population on the Brink Michael Gray, ODFW	The Status of Fisheries in Oregon's Largest Reservoir Kirk Handley, ODFW	Challenges associated with adaptive management of commercial bay clam fisheries in Tillamook Bay Mitch Vance, ODFW
9:00 AM	Eastern Oregon Spring Chinook on the Edge Kasey Bliesner, ODFW	Heart Lake Rotenone Treatment for Unwanted Fish Species Justin Miles, ODFW	Monitoring Bay Clams in Oregon's Estuaries – The Shellfish and Estuarine Assessment of Coastal Oregon Project Anthony D'Andrea, ODFW
9:20 AM	Year two: Observations of Fish Survival and Habitat Restoration in the Bootleg Fire in Southeast Oregon William Tinniswood, ODFW	A proposed risk framework for evaluating fish stranding and trapping Lucius Caldwell, FPESDS	Oregon's Pacific Razor Clam Resource; Historic And Current Management Matthew Hunter, ODFW
9:40 AM	Population dynamics, genetic analysis, and conservation strategies for red abalone (<i>Haliotis rufescens</i>) in Oregon Kendall Smith, OSG	Comparison of three Hatchery Rainbow Trout stocks across 15 Oregon reservoirs using data coupled from a tag-reward program and trail-cameras Michelle Jones, ODFW	Increased abundance of non-indigenous European green crab in Oregon bays and estuaries Summer Henriksen, ODFW

FRIDAY, 3/3/2023, 10:20 – 11:40 A.M.

	BIOTELEMETRY STUDIES & DATA ANALYSIS	LAKE AND RESERVOIR MANAGEMENT	MARINE & ESTUARY INVERTEBRATES
Room	Bloch	Sousa	Joplin
Moderator	Tobias Kock, USGS	Justin Miles, ODFW	Steve Rumrill, ODFW
10:20 AM	Time Synchronization of Acoustic Telemetry Data: Assessment of Techniques Drew Stang, FPESDS	Piscine Predator Control to Enhance Juvenile Salmonid Survival in the Federal Columbia River Power System Reservoirs Grant Waltz, ODFW	How the Oregon Pink Shrimp fishery said goodbye to bycatch Eric Anderson, ODFW
10:40 AM	Evaluating Outmigration Behavior and Survival of Juvenile Chinook Salmon Within the Blocked Area of the Columbia River Rick Raymondi, STI	Walleye distribution in the Columbia Basin: Utilizing 30 years of data to assess spatiotemporal trends in an altered river system. Kevin Rybacki, ODFW	Recent changes rocky reef invertebrate communities and kelp habitat along the southern Oregon coast Steve Rumrill, ODFW
11:00 AM	Multiyear Acoustic Telemetry Analyses of a Floating Surface Collector Elliot Koontz, FPESDS	Response of kokanee DVM to inter-annual variation of daphnia abundance in Crater Lake Jonathan Armstrong, OSU	The first decade of tracking marine invertebrate trends at the Redfish Rocks Marine Reserve Stephanie Fields, ODFW
11:20 AM	Analyzing Movements and Habitat Use of Acoustic-Tagged White Sturgeon in Response to Limited Recruitment in the John Day Reservoir Gabrielle Brill, ODFW/OSU	Battle of the nerkids: interactions among kokanee and Sockeye Salmon and how that may influence management of Wallowa Lake fisheries Michael Lance, ODFW	Long-term Remotely Operated Vehicle Data Provides Context for Sea Star Density Trends in Oregon Marine Reserves Amidst Changing Ocean Conditions Ryan Fields, ODFW

ANNUAL BUSINESS MEETING - **AGENDA**

Oregon Chapter of the American Fisheries Society Annual Business Meeting, March 2, 2023 | Eugene, Oregon

- 1:45 PM Call to Order (Chris Hirsch)**
- Identify Parliamentarian
 - Determination of quorum (50 voting members)
 - Recognitions:
 - 2022 National Outstanding Chapter of the Year Award
 - Executive Committee
 - Internal and External committees
 - Sponsors, Vendors and Special Guests
- 1:50 PM Treasurer's Report (Adrienne Averett)**
- Summarize Financial Statement, FY 2021-2022
 - Investment Account
 - Disbursement-funded projects
- 1:55 PM President's Report (Chris Hirsch)**
- Strategic Plan Goals and Accomplishments
 - Products, Sponsorships, and Communications
 - New Business
- 2:05 PM AFS Update (Leanne Roulson, AFS Past-President)**
- AFS activities
 - 2023 AFS Meeting - Grand Rapids, MI
- 2:10 PM WDAFS Update (Dan Brauch, WDAFS Past-President)**
- WDAFS activities
 - 2023 WDAFS Meeting – Boise, Idaho
- 2:15 PM Student Subunit Report (Student Subunit Rep)**
- OSU (Natalie Godwin)
 - MHCC (Bridget Manning)
- 2:25 PM External Director's Report (Alex Harrison)**
- Legislative Committee
 - Other Committee Actions
- 2:30 PM Election of New Officers (Scott Heppell)**
- Candidates*
- President-Elect: Michele Weaver (ODFW)
 - Vice President: Kate Self (CRITFC)
 - Secretary: Sarah Sapienza (Incumbent, ODFW)
 - Treasurer: Jorden Smith (ODFW) and Kiara Barbarette (OSU)
 - Internal Director: Joe Lemanski (Incumbent, ODFW)
 - External Director: Alex Harrison (Incumbent, BLM)
- 2:40 PM Presentation of Past President Award (Chris Hirsch)**
- 2:45 PM Adjourn**

FISCAL YEAR 2022 - FINANCIAL STATEMENT

Oregon Chapter of the American Fisheries Society For Budget Goal Code | May 01, 2021 to April 30, 2022

EXPENSES	
Core Administrative Costs	
Accountants - Tax preparation and OR Dept. Justice Filing (CT-12)	\$(903.00)
Mileage	\$(187.26)
Misc. office expenses (copying, postage, fax...)	\$(17.90)
ExCom Spring Retreat	\$(2,592.99)
ExCom Fall Retreat	\$(1,650.64)
Supplies	\$-
Postbox Rental	\$(146.00)
Website maintenance, domain, webhosting	\$(326.88)
Insurance for Inside Events (via Parent Society)	\$-
Business registry	\$(50.00)
Subtotal	\$(5,874.67)
GOAL 1 - Develop programs that advance understanding of fishery science and responsible stewardship of fishery resources	
Sponsorship of non-ORAFS conferences and projects	\$(1,000.00)
Sponsorship Discretionary	\$-
Expense for President or designee to AFS annual meeting	\$(2,271.72)
Expense for President or designee to WDAFS annual meeting	\$(125.00)
Expense for President or designee to WDAFS mid-year or annual retreat	\$-
Subtotal	\$(3,396.72)
GOAL 2 - Advocate policies and laws that benefit the conservation and sustainability of Oregon fishery resources and their aquatic ecosystems	
Legislative Liaison	\$-
External Director or Designee Expenses (committee support, testimony, mileage)	\$-
External Committee expenses	\$-
External Committee Support and/or Retreat	\$-
Subtotal	\$-
GOAL 3 - Increase public awareness, understanding, and appreciation of fishery resources	
Participation and educational materials grants for K-12 schools	\$(4,998.00)
Sponsor an Education Assistance Grant to an institution that provides career development trainings to K-12 teachers related to fisheries/aquatic biology curriculum implementation	\$-
Sponsor up to 2 fish culture staff and 1 fish culture student to attend NWFCC or OR AFS meeting in Bend	\$-
Watershed group sponsorship and materials grant	\$-
Subtotal	\$(4,998.00)
GOAL 4 - Promote development of fishery and aquatic science students	
Four student scholarships (AS, BS, MS, PhD)	\$(8,000.00)
Carl Bond Scholarship	\$-
Diversity Scholarship (see Designated/Restricted Funds)	\$-
OSU Student subunit funding support	\$(1,500.00)
MHCC Student subunit funding support	\$(1,000.00)
Discretionary Student Support	\$(273.17)
Subtotal	\$(10,773.17)

FISCAL YEAR 2022 - FINANCIAL STATEMENT (continued)

EXPENSES (continued)	
GOAL 5 - Support and encourage development of professional members	
AFS Certification scholarships	\$(50.00)
Plaques & engraving for up to 6 professional awards	\$(1,640.94)
Native Fish Conservationist of the Year Award	\$-
Subtotal	\$(1,690.94)
Subtotal	\$-
GOAL 6 - Maintain an active and diverse membership	
Subtotal	\$-
GOAL 7 - Maintain financial responsibility and investments	
Subtotal	\$-
OTHER EXPENSES	
2023 Annual Meeting Retainer	\$-
2022-2025 Cvent Contract (next contract payment due 3/15/2025)	\$(11,732.30)
Subtotal	\$(11,732.30)
Operating Costs Subtotal	\$(38,465.80)
DESIGNATED/RESTRICTED FUNDS	
Diversity, Equity, & Inclusion Scholarship	\$(2,000.00)
Jerry Bouck Memorial Scholarship (1st time awarded)	\$(2,000.00)
Disbursement of Investment Gains	\$-
Subtotal	\$(4,000.00)
ANNUAL MEETING EXPENSES	
2022 Annual Meeting - Virtual	\$(22,310.35)
Annual Meeting Expenses Subtotal	\$(22,310.35)
TOTAL EXPENSES	\$(64,776.15)

INCOME	
ANNUAL MEETING	
Registrations	\$-
Sponsorships/Vendors	\$13,385.33
Raffle/Auction/Sales	\$8,799.18
Reimbursements	\$-
Subtotal	\$22,184.51
DUES	
Oregon Chapter Membership Dues	\$3,885.00
Dues Rebate from AFS	\$452.10
Subtotal	\$4,337.10
DONATIONS	
Donations to Diversity, Equity, & Inclusion Scholarship	\$2,000.00
Donations to Albert G. Lassuy Memorial DEI Endowment Fund	\$60,000.00
Donations to Jerry Bouck Memorial Scholarship	\$4,500.00
Donations to Native Fish Committee	\$-
Donations from Annual Meeting registrants (for student scholarships, travel assistance, DEI, & undesignated)	\$2,001.01
Donations to ORAFS	\$-
Subtotal	\$68,501.01

FISCAL YEAR 2022 - FINANCIAL STATEMENT (continued)

INCOME (continued)	
OTHER INCOME	
Book Royalties	\$-
Fall Retreat Deposit Refund	\$-
Subtotal	\$-
INVESTMENTS	
ORAFS FY Investment Gain/Loss [^]	\$(37,805.65)
Subtotal	\$68,501.01
TOTAL EXPENSES	\$57,216.97
Net Income/Deficit	\$(7,559.18)
ASSETS	
Checking Account (Beginning of Fiscal Year 2022)*	\$95,414.30
ORAFS Investments Account (Beginning of Fiscal Year 2022)**	\$605,688.51
Bouck Memorial Fund (Beginning of Fiscal Year 2022)**	\$29,235.07
Lassuy Memorial DEI Endowment Fund (Beginning of Fiscal Year 2022; fund established December 2021)**	\$-
Beginning Balance Subtotal	\$730,337.88
Total Assets End of Fiscal Year 2022	\$722,778.70

*Beginning balance is calculated after all previous Fiscal Year payments and deposits have been settled

**Beginning balances are the proportional investment account funds as of 5/1; per the previous FY end of year values (column M) in the Investment Account Ledger Balance by Fund spreadsheet

[^]Investment total gain/loss calculated as the sum of transactions/income, reinvested income, and change in investment value for the FY; per FY values (column Q) in the Investment Account Ledger Account Activity spreadsheet



Oregon Chapter of the
American Fisheries Society

**Win a fishing trip or the
iconic "Fish Naked" hat!!**

Silent Auction

Raffle

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Find a unique gift!

**Fishing trips
Outdoor gear
Overnight beach adventures
Exclusive Beaver's sports access**

**Wine tasting & dining
Handmade art
Fine dining experiences
Music
And lots more!**



**Thursday, March 2nd
6 o'clock
Playwrights Hall**

Come to support ORAFS....or just to outbid your friends!

2023 ORAFS ANNUAL CONFERENCE - EVENTS

WEDNESDAY, MARCH 1st

Student-Mentor Mixer

VISTA

6:00 – 7:30 p.m.

After the sessions on Wednesday afternoon, we will hold our Student-Mentor Mixer, where students can meet professionals to ask questions, get advice, build relationships, and network. If you decide to sign up as a mentor but forgot to do so when you registered for the meeting, check in at the registration desk. The mixer is a great opportunity for students, early-career biologists, and established professionals to share ideas, provide insight, bridge generational gaps, and build new relationships.

Near Retirees -Mentor Mixer

VISTA

7:30 – 8:00 p.m.

Hey soon-to-be or already retirees! Are you having thoughts about retirement or are you retired? If the answer is yes, then we have an opportunity for you. Some folks can find it difficult in not having their voices heard in retirement, others may be looking for ways to give back and others might be looking for new fishy spots. If this is the boat that you've found yourself in come and join us, we will be meeting after the student-mentor mixer to informally talk about retirement and some solutions that have worked for some folks.

Poster Session/Trade Show Social/Cornhole Tournament

WILLIAMS/O'NEIL

8:00 – 11:30 p.m.

Interact with poster presenters, share ideas, and network with peers! The trade show will be set up so that you can connect with vendors who provide us with the innovative tools of today. This is also a social, so be sure to imbibe the complimentary drinks, or enter the cornhole tournament.

THURSDAY, MARCH 2nd

Spawning Run/Carcass Crawl

LOBBY

5:00 – 6:00 p.m.

Get your blood flowing after a great day of talks. Join the popular 5k Spawning Run/Walk. Information and course routes are available at the registration desk. Runners/walkers will gather at the Lobby at 5:00 right after the last talks. The run/walk will begin closer to 5:15. If you ordered one, don't forget to bring your commemorative t-shirt.

Banquet, Awards, Oral Auction, Raffle

PLAYWRIGHT'S HALL

6:00 – 9:00 p.m.

Don't miss out on Thursday night's events! A banquet ticket is required to receive a banquet meal, but not to participate in the raffle and auction. Be sure to get your raffle tickets, sharpen your pencil for the silent auction items, and be ready for the competitive live auction. Our Raffle Auction Committee has done a FANTASTIC job of obtaining amazing items, including gear, artwork, trips, and much more. Enjoy the banquet and complimentary drinks.

Live Music and Cornhole Tournament

PLAYWRIGHT'S HALL

9:00 – 11:30p.m.

We are excited to showcase the great music of The Muddy Souls. We will also have day two of the cornhole tournament.

2023 ORAFS ANNUAL CONFERENCE - SPONSORS

Thank you to these businesses and organizations for their generous contributions!

PLATINUM/GOLD



SILVER



BRONZE



2023 ORAFS ANNUAL CONFERENCE - VENDORS



Save The Date

ORAFS ANNUAL MEETING 2024



RIVERHOUSE

ON THE DESCHUTES

BEND, OREGON | FEBRUARY 26 – MARCH 1