



# PA AFS 2024 Meeting Schedule February 8-9, 2024 Meadville, PA

## Time Thursday February 8, 2024

7:00 – 8:30	<b>Technical set up: Check-in and registration</b>
8:30	Welcome and introductions: PA AFS Chapter President <b>Clayton Good</b>
8:40	Opening remarks: <b>Dr. Angela Haddad</b> , Provost of Allegheny College
9:00	PLENARY: <b>Dr. Stuart A. Welsh</b> , Assistant Unit Leader, WVU Cooperative Fish and Wildlife Research Unit Hornyheads, Madtoms, and Darters: Appalachian Fish Diversity for a Diverse Audience
<b>MORNING TECHNICAL SESSION</b>	
<i>Session 1: Ecology and biodiversity</i>	
9:30	<b>John Tautin et al.</b> – Surveys of fish and mussels prior to removal of a low-head dam on Cussewago Creek
9:50	<b>Dakota J. Raab et al.</b> -- Instream flow study for the maintenance of freshwater mussel populations in the Shenango River, Crawford County, Pennsylvania
10:10	<b>David Andrews</b> – Using citizen science to determine the effect of Thorn Creek habitat improvements
10:30	<i>Break</i>
<i>Session 2: Environmental conditions and impacts</i>	
10:45	<b>Gregory R. Moyer and Matthew K. Shank</b> – Assessing the influence of underlying bedrock geology on pH of Pennsylvania headwater streams
11:05	<b>Andrew Turner and Shane Hofius</b> – Chemical fragmentation of stream systems and fish species richness: The upstream effects of water pollution

11:25	<b>Mark A. Kirk et al.</b> – Effects of stream crossing type on fish assemblages and stream ecosystem conditions: Implications for culvert replacement
11:45	<b>Luanne Steffy</b> – Evaluating fish assemblages at four stream sites with increasing temperature trends over the last decade
12:05	<i>Lunch</i>
	<b>AFTERNOON TECHNICAL SESSION</b>
	<i>Session 3: Student Presentations Session</i>
12:55	<b>Eden Brody</b> – Mechanisms behind the decline of a Class A Brown Trout fishery (Caldwell Creek)
1:10	<b>Bridget Reheard</b> – Evaluation of shale gas development and wastewater spills as drivers of biological changes in second-order streams in northcentral Pennsylvania
1:25	<b>Etienne Pienaar et al.</b> – Spatial distribution of Eastern Sand Darter ( <i>Ammocrypta pellucida</i> ) in western Pennsylvania
	<i>Session 4: Conservation principles and policy</i>
1:40	<b>Logan Stenger and Maggie Ritchey</b> – A novel conservation approach: an introduction to the Rapid Stream De-listing Strategy
1:55	<b>Patrick D. Shirey and Susan A. R. Colvin</b> – Supreme Court ruling on Sackett v EPA redefining Waters of the United States (WOTUS): What does it mean for wetlands, streams, and fish?
2:15	<i>Break</i>
	<i>Session 5: Restoration</i>
2:30	<b>Mark Haffley</b> – The Pennsylvania Fish and Boat Commission’s Lake Erie Walleye telemetry project
2:50	<b>Chuck Keeports</b> – Strategic wood additions in streams on the Allegheny National Forest
3:10	<b>Steve Seiler et al.</b> – Initial response of floodplain reconnection and wood addition to the fish community in the Little Arnot Run Watershed, Allegheny National Forest
3:30	<b>Meredith Barney et al.</b> – Evaluating the long-term success of two stream-bank restorations within the French Creek Watershed
3:50	<b>Brady Porter</b> – Recovery of fish community structure following the removal of a dam on Little Sewickley Creek
4:10	<b>Jim Grazio</b> – Running the Gauntlet: Lake Trout restoration in Lake Erie
4:30	Adjourn technical sessions
5:00 – 7:00	<b>Dinner on your own</b>

7:00 – 9:00

**EVENING POSTER SESSION and SOCIAL (\*STUDENT PRESENTER)**

	<b>Connor Haskins*</b> , David Argent , Joe Ream, and Joel Dean – Age and growth of Smallmouth Bass ( <i>Micropterus dolomieu</i> ) in the Monongahela and Youghiogheny rivers
	<b>Liam Hanley*</b> , Dr. Andrew W. Hafs, and Tyler Orgon – The effects of length, weight, age, and gender on total mercury concentrations in Burbot in North-Central Minnesota lakes
	<b>Keri Saulino*</b> , Samuel Nutile, Lynne Beaty, and Adam Simpson – Examining catch methods, body condition, and age distribution of Round Goby ( <i>Neogobius melanostomus</i> ) in Lake Erie’s Pennsylvania Tributaries
	<b>Mallory Causer*</b> , Samuel Nutile, and Lynne Beaty – Discovering differences in eyespot size and color in invasive round gobies using local Erie populations
	<b>Autumn Holdsworth*</b> , Abbi Fields*, and George Merovich – Evaluating Walleye ( <i>Sander vitreus</i> ) spawning effort on constructed rock rubble reefs in Raystown Lake
	<b>Jason Chen*</b> , Lynne E. Beaty, Jason Bennett, and Samuel A. Nutile – Mercury and selenium in Round Goby from the Pennsylvanian waters of Lake Erie and its tributaries
	Yasmine Florent, <b>Mackenzie Nemoto*</b> , Vanessa Pratt, Ana Rowley, <b>Maria Isabel Villegas*</b> -- Dangers of oxybenzone in sunscreens on coral reefs: Proposed policy approaches
	<b>Cole Pennington*</b> and Gregory R. Moyer – Managing for Northern Pike in a small impoundment with an overabundant Bluegill Sunfish population
	<b>Graham Zechman*</b> , Gregory R. Moyer, and Luanne Steffy – Understanding the fate of phosphorus in the acid mine drainage impacted Tioga River watershed
	<b>Lacey D. Rzodkiewicz*</b> and Martin M. Turcotte – Common cyanotoxin alters tritrophic interactions among herbivores, macrophytes, and cyanobacteria
	<b>Luke Beall*</b> , Nelson Squires, Brianna Frantz, Beth Dakin, Anthony Honick, and Brady Porter – Fish community surveys at the Union City dam of French Creek
	<b>Emily Bierer*</b> and Dr. Brady Porter – Characterization of blue and green chromoproteins in percid fishes
	<b>Felicia Bedford*</b> , Emily Bierer, and Brady Porter – Identification and validation of intraspecific haplotype variation using environmental DNA metabarcoding
	<b>Wendy Kedzierski</b> , Blake Vowler, Kaitlyn Royal, Bianca Sanchez, and Ryan Crozier – Community science investigations of stream chloride and impacts to aquatic life: Creek connections and salt watch
	<b>Samuel A. Nutile</b> , Adam M. Simpson, Olivia C. Hodgson, Ashley E. Russell, Jeremiah D. Keyes, Cody Wood , and Ronald J. Buckanovich -- Are you sure you want to eat that? Insights from environmental monitoring and physiologically-based pharmacokinetic modeling of trophic transfer of PCBs from fish to humans

	<b>Phil Thomas</b> and Kathleen Lavelle – The why, where, and how of large wood additions and impacts on trout streams
	<b>Kyle H. Clark</b> , Dakota J. Raab, Jordan R. Allison, Gregory P. Lech, and Nevin T. Welte – Summary of PFBC state-wide mussel surveys 2023
	<b>Greg Lemke</b> , Adam Simpson, Lynne Beaty, and Samuel Natile – Evaluating round goby’s use of Lake Erie’s tributaries using otolith elemental analysis
	Brady Porter, <b>Beth Dakin</b> , and Mike Koryak – Improvement of the fish community of Nine Mile Run (Allegheny County PA) following reclamation
	<b>Nelson Squires</b> , Luke Beall, Abigail Powell, Beth Dakin, Anthony Honick, and Brady Porter – Rediscovery of a relict population of brindled madtom in Crooked Creek
	<b>Friday February 9, 2024</b>
7:00 – 8:00	<b>Technical set up: Check-in and registration</b>
	<b>CONCURRENT WORKSHOPS</b>
8:00 – 12:00	R as GIS – Geospatial operations and workflows in R – Matt Shank - PA DEP
8:00 – 12:00	Freshwater mussels of the French Creek (Ohio basin) watershed – Rick Spears PA DEP, Dakota Raab PFBC, Nevin Welte PFBC, and Joe Brancato PA DEP
8:00 – 12:00	The Identification of Central Appalachian Darters – Nate Owens WV DNR
12:00	<b>Adjourn</b>