

OH-PA-WV Chapters of the American Fisheries Society Joint Meeting

March 4–7, 2025



Oglebay Resort
465 Lodge Drive
Wheeling, West Virginia 26003

Tuesday, March 4

12:00 PM	Registration	West Ballroom
2:30 PM	Welcoming Remarks & <i>What's your neighbor up to?</i>	Glessner
4:00 PM	Check-in	
5:00 PM	Welcome Social (dinner provided)	Glessner

Wednesday, March 5

8:00 AM	Registration	West Ballroom
9:00 AM	Plenary , <i>Dr. Stuart Welsh</i> Hornyheads, Madtoms, and Darters: Narratives promoting public awareness of our freshwater fauna	Glessner
10:00 AM	Break	

	West Ballroom 1	West Ballroom 2	West Ballroom 3
10:20 AM	Ohio River Bass Fishery Kyle Hartman ⁴¹	Don't Overlook the Macrophytes, Especially Horn Leaf Riverweed (<i>Podostemum ceratophyllum</i>) James Wood ³⁹	Love on the Rocks: Behavioral and Non-Behavioral Factors in Determining Mating Success in Common Shiners (<i>Luxilus cornutus</i>) in NE Maryland, USA Jill Kemp ¹⁸
10:40 AM	Age Structured SIRS Epidemiological Model of Largemouth Bass Virus Joseph Kingsbury ⁴¹	Changes in Functional Diversity of the Upper Ohio River Fish Community: Implications for Invasive Aquatic Vegetation Management Ryan Hudson ^{21, 31}	Road Salt Mixtures Alter the Life History Traits of Lower Trophic Level Consumers Lena Bauer ³⁶
11:00 AM	Age and Growth of Flathead Catfish <i>Pylodictus olivaris</i> in the Upper Ohio River Macey Rowan ⁴⁰	Life History and Habitat: Influences on Larval Fish Growth in River-Reservoir Ecosystems Justin Furby ³¹	Linking Life History Traits to Conservation Translocation Success in Darter Species Julia Glandorff ³¹
11:20 AM	Evaluating the <i>Sander</i> Population of Pennsylvania's Three Rivers System Michael Depew ²³	Fish Community Response to Culvert Replacement in Western Pennsylvania Streams Brady Blackburn ¹²	Demographic Variation Between Maumee and Sandusky River Grass Carp Justin Meyer ³⁶
11:40 AM	Lunch (on your own)		

Wednesday, March 5

	West Ballroom 1	West Ballroom 2	West Ballroom 3
1:40 PM	Lower Great Lakes Fish and Wildlife Conservation Office: Ohio River Substation Telemetry Array Program Brennon Watt ³²	Recovery of Intermittent Stream Communities across Variable Drying Regimes Lindsey Bruckerhoff ³¹	New Species of <i>Petrotilapia</i> (Teleostei: Cichlidae) from Mumbo Island in Lake Malawi, Africa Sara Sabo ²⁵
2:00 PM	Modeling Factors Impeding the Spread of Invasive Carp in the Ohio River Erin Shepta ⁴¹	Impacts of Non-Native Trout and Stocked Trout Fishing on Wild Brook Trout Populations in West Virginia Streams Xander Lamping ⁴¹	Comparison of Blue and Green Pigments in Diverse Darters Emily Bierer ⁹
2:20 PM	Sampling Effort Needed to Detect Changes in Silver Carp Presence in the Ohio River Leah Bayer ⁴¹	The Influence of Fishing Gear on Yellow Perch Catch Success in Western Lake Erie Kylee Wilson ³¹	Abundance and Habitat Use of the Candy Darter in the Gauley River National Recreation Area David Hoffman ⁴¹
2:40 PM	Using Side Beam Hydroacoustics and Community Size Spectra to Create a Tool for Community Level Fish Management Daniel Bryan ⁴¹	Mapping Non-Native Trout Stocking Locations and Vulnerable Native Eastern Hellbender known Populations to Inform Fisheries Management Policy in Pennsylvania, USA Poushalee Banerjee ³⁵	

3:00 PM **Break**

3:20 PM Poster Session & Tradeshow

5:00 PM Welcome Banquet (dinner provided)

9:00 PM Social Activities

Fort Henry Room
Glessner
Glessner

Thursday, March 6

8:00 AM Registration

West Ballroom

	West Ballroom 1	West Ballroom 2	West Ballroom 3
9:00 AM	Non-Lethal Sampling Techniques for Fish Health Assessments Using Smallmouth Bass <i>Micropterus dolomieu</i> Lindsey Hartzell ⁴¹	Watershed-Scale Differences in Brook Trout and Brown Trout Population Connectivity: Insights from Culvert Assessments Mark Kirk ¹	Microplastics in the Mountains: A Freshwater Study on Appalachian Stream Pollution via the Northern Hogsucker Isabella Tuzzio ⁴¹

Thursday, March 6

	West Ballroom 1	West Ballroom 2	West Ballroom 3
9:20 AM	Which One Works? – A Comparison of Ichthyoplankton Sampling Gears in Low Order West Virginia Streams Cory Bauerlien ⁴¹	Considering Two New Landscape Variables for Modeling Brook Trout <i>Salvelinus fontinalis</i> Abundance: Aquatic Organism Passage and Invasive Brown Trout <i>Salmo trutta</i> John Berger ⁴²	Spatial and Trophic Assessment of Microplastic Concentrations across Biota in Lake Erie Zachary Steffensmeier ³¹
9:40 AM	Converting a Standardized Reservoir saugeye and Walleye Gill Net Survey to the North American Standard Gill Net Method: A Gear Comparison Study Bryan Kinter ²⁰	Restoration of American Eel in the Susquehanna River Basin Aaron Henning ²⁸	Road Salt Pollution Alters Aquatic Food Webs by Subsidizing Algal Growth and Reducing Top-Down Control Ashlynn Benedict ³⁶
10:00 AM	If at First You Don't Succeed: The Evolution of Capture Methods in Great Lakes Grass Carp <i>Ctenopharyngodon idella</i> Control Robert Mapes ³⁶	Reviving a Lake Erie Icon: Tracking Reintroduced Lake Sturgeon in Lake Erie Mikayla Kindler ³⁶	The Fate of Nutrients in Acid Mine Affected Tioga Watershed Graham Zechman ⁷

10:20 AM **Break**

	West Ballroom 1	West Ballroom 2	West Ballroom 3
10:40 AM	Development of a Central Ohio Fish and Macroinvertebrate-Based Integrated Priority System (IPS) for Deriving Stressor Thresholds for Streams and Rivers of Central Ohio Edward Rankin ¹⁴	Factors Influencing Long-Term Trends in Brook Trout Production in West Virginia Headwater Streams Halden Edwards ⁴¹	Food Web Structure, Ecological Niche, and Niche Overlap of Blue Catfish and Other Sport Fish in Ohio Reservoirs Using Stable Isotopes Jacob Bentley ³¹
11:00 AM	Long and Short of it: Length-Weight Relationships and Patterns in Genus vs. Species in the Mid-Atlantic Sara Ashcraft ²⁹	Projecting the Distribution of Aquatic Species of Greatest Conservation Need Throughout the Mid-Atlantic Region Alexandra Lawrence ⁴¹	Factors Affecting Variation in Fatty Acid Composition of Selected Fishes in Central Ohio Reservoirs Steven Gratz ²⁰

Thursday, March 6

	West Ballroom 1	West Ballroom 2	West Ballroom 3
11:20 AM	Potential Effects of Shale Gas Development on Fish and Benthic Macroinvertebrate Communities in Streams of Northcentral Pennsylvania Bridget Reheard ²⁵	Identifying Broad-Scale Drivers of Riverine Fish Occurrence in their Native and Non-Native Range Andrew Miller ²²	Influence of the Invasive Round Goby on Common Logperch Diet in the Western Lake Erie Basin Brian Alford ³¹

11:40 AM **Lunch** (on your own)

	West Ballroom 1	West Ballroom 2	West Ballroom 3
1:40 PM	Private Sector Challenges Aaron Cushing ²⁷	A Novel Conservation Approach: An Introduction to the Rapid Stream Delisting Strategy Logan Stenger ⁴	Tagging Method for Future Propagation and Release of the Imperiled Big Sandy Crayfish <i>Cambarus callainus</i> with a surrogate Species, Conhaway Crayfish <i>Cambarus appalachiensis</i> James Hartley ¹⁰
2:00 PM	Evaluating Ohio's Length-Based Harvest Regulations: What's Worked and What Hasn't Jeremy Pritt ²⁰	Developing a Statewide Freshwater Mussel Conservation Plan for Pennsylvania Eric Chapman ⁴²	Artificial Incubation of <i>Creaserinus fodiens</i>: A step Toward Conserving Imperiled Burrowing Crayfish Alyssa Oppedisano ¹⁰
2:20 PM	A Journey with the Becoming an Outdoors Woman (BOW) Program in West Virginia MacKenzie Ullman ³²	An Introduction to the Union City Aquatic Conservation Center Josh Arnold ²³	Environmental Factors Influencing Hellgrammite Populations <i>Coyrdalis cornutus</i> within Riffles in Central Ohio Rivers Rocky Smiley ³⁸

2:40 PM **Break**

	West Ballroom 1	West Ballroom 2	West Ballroom 3
3:00 PM	OCAFS Business Meeting	PA AFS Business Meeting	WVAFS Business Meeting
5:00 PM	Dinner (on your own)		

Friday, March 7

	West Ballroom 1	West Ballroom 2	West Ballroom 3	Fort Henry Room
8:00 AM	R Workflows for Fisheries Data Lou Reynolds & Nicole Sadecky	Aquatic Macroinvertebrate Identification Dr. Zach Steffensmeier	Fish Identification Brian Zimmerman	Environmental Policies and Laws for Fisheries Biologists Dr. Than Hitt
12:00 PM	Adjourn			



Ohio River Basin

FISH HABITAT PARTNERSHIP

LHollingsworth-Segedy@americanrivers.org



Posters

Assessing Habitat Suitability in the Maumee and Sandusky Rivers for Sauger *Sander Canadensis* Reintroduction. **Elizabeth Anderson**³⁶

Fish Use of Artificial Habitat. **David Argent**²⁶

The Fishes of Select Presque Isle. **David Argent**²⁶

A Comparative Study of Stream Health and Macroinvertebrate Communities in Urbanized Tributary Streams. **Reagan Bally**³⁹

Impact of Unconventional Gas Extraction on Tributaries of Tenmile Creek, Green County, Pennsylvania: A 12-Year Perspective. **Luke Beall**⁹

An Examination of Temporal Variation in Food Web Dynamics of Fish Assemblages in the Lower Amazon Using Stable Isotopes. **Megan Beeksmma**⁴¹

Vertical Shifts in Diel Hypoxia: Effects on Wetland Habitat Use by Fish. **William Bell**³

Consumption of Invasive Zebra Mussel Veligers by Native Planktivorous Fish in the Ohio River. **Dakota Clark**⁴¹

A Review of Spatial Variation of Mercury Pollution in Sediments, Soils, and Water in the Amazon River Basin. **Grace Dacombe**⁴¹

Quantifying the Effects of Vaterite vs. Aragonite in Steelhead Trout Survivorship. **Nakiah Dague**³

Improvement of the Fish Community of Nine Mile Run (Allegheny County, PA) Following Reclamation. **Beth Dakin**⁹

Using High Throughput Sequencing Genetic Analyses to Test for Consumption of Larval Yellow Perch in Piscivorous Fish Diets. **Andrew Foley**³¹

Influence of Long Term Seasonal and Annual Climate Patterns on Reproductive Success of Native Brook Trout *Salvelinus fontinalis* across Pennsylvania. **Matthew Gaul**¹²

Reproductive Ecology of Bluegill in Turbid Waters. **Aaron Giganti**³¹

Characterizing Nursery Habitat for Juvenile Invasive Carp *Hypophthalmichthys spp.* on the Ohio River. **Becca Hiller**⁴¹

Quantifying the Nearshore Habitat of Seneca Lake Using Side-Scan Sonar. **Jack Kinsey**²⁰

Development of a National Park Service Road and Stream Crossing Catalogue. **Hannah Klim**²⁵

Round Goby Foraging Patterns under Current and Projected Climate Conditions of Lake Erie. **Alisa Mancini**³¹

Posters (cont.)

Assessing Invasive Carp Impacts on Native Fish Assemblages on the Ohio River.

Luka Marques Do Amaral⁴¹

Fish Access in Reconnected Lake Erie Wetlands. **Alexandra Marshall³**

Invasive Leaf Litter's Effect on Macroinvertebrate Communities in an Impaired Appalachian Creek. **Noah Meyer³⁹**

In Bloom: Congruence between Zooplankton and Larval Fish Phenology in the Ohio River.

Brandon Mundy⁴¹

Total Phosphorus Dynamics in Tributaries of the Tioga Watershed. **Cole Pennington⁷**

Redesigning Large River Telemetry Receiver Setups. **Bryce Sayre⁴⁰**

Evaluating Effects of a Small Impoundment on Physical Habitat and Stream Biota: A Case Study of Lake Perez on Shaver's Creek, Huntingdon County, PA. **Kirsten Smith²⁵**

DNA as a Tool: A Summary of how Genetics can Inform Conservation and Management in Fisheries and Wildlife. **Michael Sovic¹¹**

Preliminary Evaluation of Phylogenetic Patterns of Fishes in Upper Shavers Fork, WV.

Michael Sovic¹¹

Theory to Application: Community Size Spectra can Inform Management Actions.

Andrew Stegmann⁴¹

Development of Community Size-Spectra-Based Indices of Biotic Integrity for West Virginia Wetlands. **William Thompson⁴¹**

A Preliminary Comparison of Net Mesh Size: Larger Mesh Increases Grass Carp Catch while Reducing Bycatch. **Eric Thompson³⁶**

Quantifying Steelhead Trout Smolt Emigration Rates Using DIDSON. **Joseph Toth³**

Assessing Walleye Spawning Habitat at Nearshore Reefs in the Central Basin of Lake Erie.

Samantha Truckly²⁰

Broad Scale Spatial Analysis of Mercury Contamination in the Amazon. **Shannon Watkins⁴¹**

Tracking Movement and Habitat Utilization of Invasive Carp Within the Presence Front of the Ohio River. **Katherine Zipfel⁴⁰**

Affiliations

- 1 Allegheny College
- 2 Auburn University
- 3 Bowling Green State University
- 4 Chesapeake Conservancy
- 5 Clemson University
- 6 Commonwealth University of Pennsylvania - Bloomsburg
- 7 Commonwealth University of Pennsylvania - Mansfield
- 8 Dayton University
- 9 Duquesne University
- 10 EDGE Engineering & Science, LLC
- 11 Freedom Genomics LLC
- 12 Indiana University of Pennsylvania
- 13 Koryak Environmental & Health Consultants, LLC
- 14 Midwest Biodiversity Institute
- 15 Mount Vernon Nazarene University
- 16 National Park Service
- 17 Native Fish Coalition
- 18 Nolde Forest Environmental Education Center
- 19 Ohio Division of Geological Survey
- 20 Ohio Division of Wildlife
- 21 Ohio River Valley Water Sanitation Commission
- 22 Oklahoma State University
- 23 Pennsylvania Fish and Boat Commission
- 24 Pennsylvania Native Fish Coalition
- 25 Pennsylvania State University
- 26 Pennsylvania Western University - California
- 27 Solitude Lake Management
- 28 Susquehanna River Basin Commission
- 29 Susquehanna University
- 30 Texas A&M University
- 31 The Ohio State University
- 32 U.S. Fish & Wildlife Service
- 33 U.S. Geological Survey
- 34 University of Baltimore
- 35 University of Pittsburgh
- 36 University of Toledo
- 37 University of Wisconsin-Madison
- 38 USDA Agricultural Research Service
- 39 West Liberty University
- 40 West Virginia Division of Natural Resources
- 41 West Virginia University
- 42 Western Pennsylvania Conservancy
- 43 Yale University



Our mission is to protect and restore the quality and biological integrity of our waters. We accomplish this mission through science-based research, policy development, professional training, and community education.



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