



**JOINT MEETING OF THE
INDIANA AND OHIO CHAPTERS OF
THE AMERICAN FISHERIES SOCIETY**

**15–17 FEBRUARY 2017
ALUMNI CENTER, BALL STATE UNIVERSITY, MUNCIE, INDIANA**



SCHEDULE AT-A-GLANCE

| Wednesday, February 15 | |
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| 12:00–1:00 p.m. | Registration (Ball State University Alumni Center) |
| 1:00–1:15 p.m. | Welcome Comments |
| 1:15–2:15 p.m. | Plenary Session: Dr. Dan Shoup (Oklahoma State University) |
| 2:15–2:30 p.m. | Break |
| 2:30–4:10 p.m. | Technical Session (5 presentation slots) |
| 4:10–6:00 p.m. | Hotel check-In; Shuttle service provided to Alumni Center |
| 6:00–7:00 p.m. | Dinner (Alumni Center, BSU Catering) |
| 7:00–9:00 p.m. | Poster Session/Welcome Social/Raffle (Alumni Center) |
| | Shuttle service provided to hotel |
| Thursday, February 16 | |
| 7:30–9:00 a.m. | Registration & breakfast; Shuttle provided to Alumni Center |
| 9:00–10:00 a.m. | Plenary Session: Dr. Andrew Rypel (Wisconsin Department of Natural Resources) |
| 10:00–10:20 a.m. | Break |
| 10:20 a.m.–12:00 p.m. | Technical Session (5 presentation slots) |
| 12:00–1:00 p.m. | Lunch (BSU Catering) |
| 1:00–3:00 p.m. | Technical Session (12 concurrent presentation slots) |
| 3:00–3:15 p.m. | Break |
| 3:15–4:15 p.m. | Chapter Business Meetings |
| 4:15–5:30 p.m. | Student/Professional Networking Activity |
| 6:00–9:00 p.m. | Social & Dinner (@ 6:00 p.m.; Alumni Center, BSU Catering) |
| | Shuttle service provided to hotel |
| Friday, February 17 | |
| 7:30–9:00 a.m. | Breakfast (Alumni Center, BSU Catering) |
| 9:00 a.m.–12:00 p.m. | Continuing Education Workshop: R for Fisheries Professionals |
| 12:00 p.m. | Closing Remarks/Adjourn |

Schedule

| Wednesday, February 15, 2017 | |
|-------------------------------------|---|
| 12:00–1:00 p.m. | Registration & A/V Check-In (Alumni Center) |
| 1:00–1:15 p.m. | Welcoming Comments (Assembly Hall)–Meeting Organizers |
| 1:15–2:15 p.m. | Plenary Session |
| | Dr. Dan Shoup Oklahoma State University |
| 2:15–2:30 p.m. | Break |
| 2:30–2:50 p.m. | Technical Session |
| | Assembly Hall |
| | Movement of Large Blue and Flathead Catfish in the Ohio River J. Pritt et al., ODOW |
| 2:50–3:10 p.m. | Examining Exploitation of Walleye in a Midwestern Reservoir Using a Tag Return Study J. Doll et al., BSU |
| 3:10–3:30 p.m. | A Mark-recapture and Resampling Approach to Validate Standard Fisheries Assessment Methods S. Tyszko et al., ODOW |
| 3:30–3:50 p.m. | Implementation of a 228.6 mm Crappie Minimum Length Limit at Two Indiana Impoundments A. Buelmann, IDNR |
| 3:50–4:10 p.m. | Killbuck Lakes Case Study: Where are We One Year After Opening to Public Fishing? M. Durkalec, Cleveland Metroparks |
| 4:10–6:00 p.m. | Hotel Check-in |
| 7:00–9:00 p.m. | Dinner Alumni Center (BSU Catering) |
| 7:00–9:00 p.m. | Poster Social Alumni Center |

POSTERS

^Denotes participation in the Best Student Poster Award competition

^ ESTABLISHING LONG-TERM FLASHINESS INDEX VALUES FOR WEST FORK WHITE RIVER: ANALYZING TRENDS THROUGH GRAPHICAL ANALYSES. Caleb Artz and Drew Holloway.

^ INVESTIGATING THE IMPLICATIONS OF A RECENTLY ESTABLISHED SLOT LIMIT ON THE AGE AND GROWTH OF SMALLMOUTH BASS IN THE WEST FORK OF THE WHITE RIVER USING PAST AND PRESENT POPULATION ESTIMATE DATA. Seth Bogue, Drew Holloway, and Jason Doll.

DEVELOPMENT OF A RAPID ZOOPLANKTON ASSESSMENT TOOL FOR FISHERIES RESEARCH AND MANAGEMENT. Joseph D. Conroy and Richard D. Zweifel.

DO WE REALLY NEED FISHERIES SCIENCE? Samuel Guffey.

UNDERSTANDING SWIMMING PERFORMANCE VARIATION IN OHIO MINNOWS (CYPRINIDAE). Stephen C. Huelsman, Cara G. Schemmel, Austin J. Smith, and Stephen J. Jacquemin.

LARVAL WALLEYE DISPERSAL FROM SPAWNING GROUNDS IN THE MAUMEE RIVER: FINE-SCALE TEMPORAL SAMPLING TO DETECT PATTERNS. Chris Kemp, Dale Shank, and Jeff Miner.

MAPPING AND MONITORING AQUATIC VEGETATION IN LAKE ERIE FOR GRASS CARP RISK ASSESSMENT. Nicole King, Jenny L. Hanson, Patrick M. Kocovsky, Christine Mayer, and Song Qian.

^ RUSTY CRAYFISH CONSUMPTION OF SILVER CARP FECAL PELLETS. Zachary Laughlin, Mark Pyron, and Robert Shields.

^ SWIMMING PERFORMANCE OF BLUNTNose MINNOWS *PIMEPHALES NOTATUS* IN LENTIC AND LOTIC WATERS. Crystal C. Nichols, Jason Doll, and Stephen Jacquemin.

^ TIMING AND ABUNDANCE OF NORTHERN PIKE SPAWNING MIGRATIONS IN RECONNECTED LAKE ERIE COASTAL WETLANDS. Nate Stott, Geoff Steinhart, and Jeff Miner.

EXPLORING POTENTIAL DRIVERS, SYNCHRONY, AND PREDICTIVE UTILITY OF AGE-0 BLACK BASS ABUNDANCE IN THE OHIO RIVER. Curtis P. Wagner and Jeremy J. Pritt.

^ USING eDNA TECHNIQUES TO IMPROVE EFFICIENCY AND ACCURACY OF MANAGING THE AQUATIC INVASIVE SPECIES CARIBBEAN LIONFISH. Adam Wishon, Haley Erickson, Ben Grubbs, Austin Collins, and Stephen 'Chip' Glaholt.

REVERSING HABITAT LOSS IN RESERVOIRS: NO ONE CAN DO IT ALONE. Matthew D. Wolfe and Joseph D. Conroy.

RECFISH LM: AN ONLINE DATA PORTAL FOR RECREATIONAL FISHERIES IN SOUTHERN LAKE MICHIGAN. Mitchell Zischke, Benjamin Gramig, Charles Rosewell, and Benjamin Dickinson.

| Thursday Morning, February 16, 2017 | |
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| 7:30–9:00 a.m. | Registration & A/V Check-In (Alumni Center) |
| 9:00–10:00 a.m. | Plenary Session |
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| | Dr. Andrew Rypel Wisconsin Department of Natural Resources |
| 10:00–10:20 a.m. | Break |
| 10:20–10:40 a.m. | Technical Session |
| | Assembly Hall |
| | Using Long-term Biological Monitoring Data (1983–2016) to Address Changes in the Fish Community of West Fork White River Muncie, IN D. Holloway et al., Muncie Sanitary District |
| 10:40–11:00 a.m. | [^] Population Genetic Structure of Aquatic Gastropods in the Northern Chihuahuan Desert A. Walters & D. Berg Doll, Miami U. |
| 11:00–11:20 a.m. | Translocation of Bluebreast Darters into an Ohio River System B. Zimmerman et al., OSU |
| 11:20–11:40 a.m. | Collaborative 316b Study of Seven Power Plants on the Ohio River G. Seegert et al. EA Engineering |
| 11:40 a.m.– 12:00 p.m. | It Takes a Village: an Overview of Collaborative Efforts for Reintroducing Extirpated Lake Sturgeon (<i>Acipenser fulvescens</i>) to the Maumee River, Ohio J. Sherman et al., U. Toledo |
| 11:30–1:00 p.m. | Lunch Alumni Center (BSU Catering) |

[^]Denotes candidate for best student podium presentation award

| Thursday Afternoon, February 16, 2017 | | |
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| | Concurrent Technical Sessions | |
| | TREC 112– Dick Soderberg, Mansfield Univ. | TREC 110–Cameron McCune, ODOW |
| 1:00–1:20 p.m. | Development of Indiana’s Reservoir Enhancement Program Through the Creation of a Habitat Enhancement Zone S. Clark-Kolaks, IDNR | ^ Diet Contents and Dietary Selectivity of Fishes in the U.S. Great Basin M. Minder et al., BSU |
| 1:20–1:40 p.m. | Mapping Submerged Aquatic Vegetation in Shallow North Maumee Bay: Distribution and Associated Fish Community J. Miller, J. Miner et al., BGSU | Impingement and Entrainment Sampling Results at Two Coal Fired Generating Stations on the Lower Wabash River D. Arndt et al., Duke Energy |
| 1:40–2:00 p.m. | ^ Nearshore Fish Community Responses to Shoreline Types in Lake Erie M. Simonson, U. Toledo | ^ Determining Potential Bias by <i>Chaoborus</i> During Hydroacoustic Surveys of Prey-Fish Biomass in Ohio Reservoirs R. Dillon et al., OSU |
| 2:00–2:20 p.m. | Smallmouth Bass Spawn Success and Total Suspended Solids (TSS) on a 2.5-km Eel River Stream Reach Near North Manchester, IN J. Long & J. Sweeten, Manchester U. | ^ Introduced Fish Species of the U.S. Great Basin R. Shields et al., BSU |
| 2:20–2:40 p.m. | Evidence of Morphological and Functional Variation among Bluegill Populations across Grand Lake St. Mary’s Watershed Area A. Bell & S. Jacquemin, WSU | Low-head Dam Removal on the Eel River in Northern Indiana: an Ecological Assessment C. Root & J. Sweeten, Manchester U. |
| 2:40–3:00 p.m. | ^ Black Bass in the Eel River of North Central Indiana: a Population Assessment A. Mock & J. Sweeten, Manchester U. | Updated Estimated Spawning and Hatch Locations of Naturally Spawned Grass Carp Eggs in a Great Lakes Tributary H. Embke, C. Mayer, et al., U. Toledo |
| 3:00–3:15 p.m. | Break | |
| | Assembly Hall A | Assembly Hall B |
| 3:15–4:15 p.m. | Indiana Chapter AFS Business Meeting | Ohio Chapter AFS Business Meeting |
| | Alumni Center | |
| 4:15–5:30 p.m. | Student/Professional Networking Activity (Alumni Center) | |
| 6:00–9:00 p.m. | Social & Dinner | |

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| Friday, February 17, 2017 | |
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| 7:30–9:00 a.m. | Breakfast Alumni Center (BSU Catering) |
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