

# Joint Meeting of the Indiana and Ohio Chapters of the American Fisheries Society

February 15-17, 2017 Ball State University, Muncie, Indiana



## Plenary Sessions



### Dr. Dan Shoup – Oklahoma State University

Dr. Dan Shoup has been a faculty member in the Natural Resource Ecology & Management Department of Oklahoma State University for 11 years. His research focuses on sportfish management in reservoir habitats, with primary emphases on predator-prey interactions and fish-sampling methods. Much of Dan's research has focused on Ictalurid catfishes as they are poorly studied but are an important group of fishes sought by anglers. Dan will talk about the history of this Ictalurid research in his lab and discuss lessons learned leading up to a synthesis of sampling recommendations from his recent work in conjunction with the Catfish Management Technical Committee of the Southern Division of the American Fisheries Society.

### Trouble in paradise: long-term declines in Wisconsin's walleye fisheries

### Dr. Andrew Rypel

Walleye are iconic throughout much of the upper Midwest, including Wisconsin. In the mid-1980s following affirmation of tribal hunting, spearing and gathering rights in the Ceded Territory of Wisconsin (northern 1/3 of the state), a landscape-scale fisheries management program was initiated by the Wisconsin Department of Natural Resources and partner tribal nations. For many years this management system was at the vanguard of fisheries management and effective at maintaining target densities of adult walleye. Yet biological data are now revealing widespread declines in walleye fisheries, including recruitment, adult densities, standing stock biomass, production and P/B ratios. It remains highly uncertain what the mechanisms are for declining productivity, however extant hypotheses include i) Direct effects of climate change; ii) Indirect effects of increased abundances of warmwater species like largemouth bass; iii) harvest effects; and iv) lakeshore residential development. In this talk I provide a synopsis for the state of the science on walleye management in Wisconsin and some of the measures being discussed to better understand and adapt to this emerging fishery management challenge.



## Workshop



### R Statistics for Fisheries Professionals

### Dr. Jason Doll – Ball State University

R is a statistics and graphics environment that is quickly becoming the preferred tool in fisheries for data analysis. The software is free, flexible, and platform independent. There is an active user base to assist with issues, and an extensive list of packages that are designed to make statistical analysis easier. This workshop will provide a general overview of R and its graphical user interface, capabilities, and step-by-step instructions. Topics covered during this workshop will include; Introduction to the R environment, getting help, data structures, input/output, functions, summary statistics, basic statistics (t-test, linear regression, and ANOVA), and fisheries statistics (PSD. Age-length key, von Bertalanffy growth model, etc.). A laptop is required. **This workshop will be held on Friday, February 17<sup>th</sup>.**

- Technical Presentations
- AFS Chapter Business Meetings
- Poster Session
- Evening Socials
- Raffle

## Student Activities

- Networking event
- Best Presentation and Poster Award
- Discounted Registration

**Registration:** Early (Before 1/13/16) \$95 **Late/Non-Members** - \$120 **Students** - \$30

**Accommodations:** [Courtyard Marriott Muncie](#) (765) 287 – 8550

**Abstract Submission Deadline:** January 6, 2017

**Contacts:** Ohio – Joe Conroy ([joseph.conroy@dnr.state.oh.us](mailto:joseph.conroy@dnr.state.oh.us))

Indiana – Ben Miller ([BMiller2@dnr.IN.gov](mailto:BMiller2@dnr.IN.gov))

More information and online registration can be found at: [www.indianaafs.org](http://www.indianaafs.org)



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## Student Networking Event Details

Thursday (4:15pm to 5:30pm)

Professionals from various organizations will be talking with small groups of students about careers, coursework, & what it's like to work in the fisheries field. All student groups will spend 15 minutes with the professionals before rotating to the next group.

## Networking Groups

Game Species Management  
Non-game Research/Ecology  
Private Sector Organizations/Compliance  
Resume/CV Tips and Tools  
Academics

**Information regarding the professionals participating will be distributed shortly after conference registration closes.**

In addition to the student networking event we have selected 6 individuals from the Indiana and Ohio chapters to act as Young Professional Liaisons. These volunteers will be assisting in bridging the gap between students and professionals. Their goals are to reach out to the students at the conference during breaks, dinners and socials to help introduce them to professionals in fields they are interested in. These volunteers can be identified by a colored name tag. If you see one of them walking around feel free to ask them any questions you might have. They will be glad to help!

**Student Conference Registration - \$30 (Student Networking Event Included)**

**Questions about this event can be sent to:**

-Ben Miller ([BMiller2@dnr.IN.gov](mailto:BMiller2@dnr.IN.gov) )

-Drew Holloway ([dholloway@msdeng.com](mailto:dholloway@msdeng.com))

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