

# 12<sup>th</sup> Annual Emiquon Science Symposium:

9<sup>th</sup> May 2018

Illinois State Museum at Dickson Mounds, Lewistown, IL

- 8:30 am      Doors Open, Registration, and Coffee      **1<sup>st</sup> Floor Café Area**  
9:00 am      Symposium Welcome      **1<sup>st</sup> Floor Museum Auditorium**  
                 **Thomas Rothfus**  
                 Emiquon Welcome and Introduction of Keynote Speaker  
                 **Jeff Walk**
- Keynote Presentation**      **1<sup>st</sup> Floor Museum Auditorium**  
9:05 am      *Restoring Mississippi River basin health with floodplains*  
                 **Bryan Piazza**
- Invited Presentations**      **1<sup>st</sup> Floor Museum Auditorium**  
10:05 am      *Why the Illinois River attracts world attention*  
                 **Richard Sparks**
- 10:25 am      *Large-scale floodplain restoration in the Illinois River Valley: Specialness of the Hydrobiologia special issue*  
                 **Mike Lemke**
- 10:45 am      **Break**      **1<sup>st</sup> Floor Café Area**
- Oral Session 1**      **1<sup>st</sup> Floor Museum Auditorium**  
10:55 am      *Initial assessment of fish movements between the Emiquon Preserve and Illinois River through a managed connection*  
                 **Sally McClure** and Doug Blodgett
- 11:15 am      *Efficacy of an acoustic deterrent for bigheaded carps at the Emiquon Preserve water control structure*  
                 **James Wamboldt**, Kelsie A. Murchy, and Marybeth K. Brey
- 11:35 am      *Evaluation of carbon dioxide as a fish deterrent at a water management structure*  
                 **Aaron Cupp**, Justin Smerud, John Tix, Kim Fredricks, Chad Vishy, Carolyn Koebel, Ryan Jackson, and Doug Blodgett
- 11:55 pm      *Fish community composition at the Emiquon Preserve water management structure*  
                 **Olivea M. Mendenhall**, Andrya L. Whitten, and Andrew Casper
- 12:15 pm      **Lunch**      **2<sup>nd</sup> Floor Activity Room**

**Oral Session 2****1<sup>st</sup> Floor Museum Auditorium**

- 1:15 pm *Exposing the complexity of changes in the land at Emiquon*  
**Alan D. Harn**, Sally McClure, and Edwin Hajic
- 1:35 pm *Blood lead levels in raptors and their avian prey base in Central Illinois*  
**Travis E. Wilcoxon**, Shelby L. Chesko, Jane Seitz, and Jacques T. Nuzzo
- 1:55 pm *The use of fatty acid profiles to evaluate potential effects of bigheaded carps on multiple trophic levels in waterbodies of the Midwest*  
**Andrea Fritts**, Brent Knights, William Richardson, Lynn Bartsch, Michelle Bartsch, Jon Vallazza, Rebecca Kreiling, Sean Bailey, Toben Lafrancois, and Byron Karns.
- 2:15 pm *Unintended consequences of invasive species management: Asian carp barriers may also constrain long-term dynamics of the native fish assemblage*  
**Matthew Altenritter** and Andrew Casper

2:35 pm **Break**

**1<sup>st</sup> Floor Café Area****Oral Session 3****1<sup>st</sup> Floor Museum Auditorium**

- 2:45 pm *Waterbird abundance in relation to floodplain connectivity and wetland habitat restoration in the Illinois River Valley*  
**Aaron Yetter**, Heath Hagy, Chris Hine, and Joe Lancaster
- 3:05 pm *Breeding ecology of waterbirds in a restored floodplain of the Illinois River*  
**Cheyenne Beach**, Heath Hagy, Ben O'Neal, Mike Wood, Devin Jen, Kayanna Wolter, Tyler Beckerman, Daniel Wu
- 3:25 pm *Spring diving duck response to forage quality emphasizes a need for large-scale conservation*  
**Joseph D. Lancaster**, Heath M. Hagy, Joshua M. Osborn, Aaron P. Yetter, Christopher S. Hine, Randolph V. Smith, Jeffrey M. Levengood, and Joshua D. Stafford
- 3:45 pm *Marsh bird use of wetlands managed for waterfowl in Illinois*  
**Therin Bradshaw**, Heath M. Hagy, Christopher N. Jacques, Joseph D. Lancaster, and Abigail G. Blake-Bradshaw

4:05 pm **Poster Lightning Round** **1<sup>st</sup> Floor Museum Auditorium**

4:15 pm **Poster Session** **1<sup>st</sup> Floor Common Area**

*1 - Patterns in trematode parasitism in the Illinois River watershed*

**John Marino**, Camille Steenrod, and Jacob Jones

*2 - True metabolizable energy of submersed aquatic vegetation for ducks*

**Margaret Gross**, Christopher Jacques, Heath Hagy, Sarah McClain, Joseph Lancaster, Sean Jenkins, Brian Davis, John Simpson, and Aaron Yetter

*3 - Impacts of *Lonicera maackii* removal on growth of spring ephemerals at Eureka Lake Park*

**Luke Brodahl** and Cecilia Hennessy

*4 - Zooplankton as an indicator of recovery following Asian carp harvest during the unified method*

**Elizabeth E. Dix**, Amber E. Blackert, Ashley L. Stanley, Kristopher A. Maxson, Alison M. Anderson, and Andrew F. Casper

*5 - Plant species management in Sanders Hall Rain Garden*

**Elle LeClaire** and Kathryn Everett

*6 - Conservation practice effectiveness and application for water quality improvements in agricultural subwatersheds of the Mackinaw River, Illinois*

**Krista Kirkham**, AM Lemke, AR Maybanks, AL Marino, M Day, DA Kovacic, MP Wallace, KL Bohnhoff, JR Kraft, AT Noto, WL Perry, and RM Twait

*7- Evaluating the effects of herbivory on aquatic vegetation in a Midwestern reservoir*

**Jacob Sherell**

*8 - Dietary choices of Franklin's Ground Squirrels (*Poliocitellus franklinii*) in Central Illinois*

**Cecilia Hennessy**

*9 - Nutrient loads delivered to the Illinois River from The Nature Conservancy's Emiquon Preserve*

**Sally McClure** and Doug Blodgett

5:00-6:00 pm **Social Hour at TNC's New Office**