

13th Annual Emiquon Science Symposium:

8th May 2019

Illinois State Museum at Dickson Mounds, Lewistown, IL

8:30 am Doors Open, Registration, and Coffee **1st Floor Café Area**
9:00 am Symposium Welcome **1st Floor Museum Auditorium**

Invited Presentations **1st Floor Museum Auditorium**

9:05 am **Illinois River History: A Summary of New Research**
Michael Wiant

9:35 am **Water Level Management on the Upper Mississippi River - Restoring Variability to the System**
Gretchen Benjamin, Teresa Newton, Kevin Kenow, Benjamin McGuire, David Busse, and Brenda Kelly

10:05 am **Illinois River Water Level Management Alternatives**
Chuck Theiling

10:35 am **Break** **1st Floor Café Area**

Oral Session 1

10:45 am **Water Level Management and a Three-year Drawdown at The Nature Conservancy's Emiquon Preserve**
K. Douglas Blodgett and Sally McClure

11:05 am **Preliminary Effects of Drawdown on the Wetland Vegetation Communities at Emiquon Preserve**
Chris Hine, Aaron Yetter, and Heath Hagy

11:25 am **Operational Impacts of a Water Management Structure on the Surrounding Fish Communities in the Lower Illinois River**
Andrya L. Whitten, Olivea M. Mendenhall, Levi E. Solomon, and Andrew F. Casper

11:45 am **Pulling the Drain Plug: Reflecting on Changes of Species Composition and Abundance**
Olivea M. Mendenhall, Levi E. Solomon, and James T. Lamer

12:05 pm **Lunch** **2nd Floor Activity Room**

Oral Session 2

1:15 pm **An Overview of the Restoration and Management of a Floodplain Fish Community at The Nature Conservancy's Emiquon Preserve**

Sally McClure and K. Douglas Blodgett

1:35 pm **Progression of the Fish Community at the Nature Conservancy's Merwin Preserve**

Levi Solomon, Kristopher Maxson, Olivea Mendenhall, and Andrew Casper

1:55 pm **Energetic Carrying Capacity of Submersed Aquatic Vegetation in Semi-permanent Wetlands in the Upper Midwest**

Joseph D. Lancaster, Maggie C. Gross, John W. Simpson, Brendan T. Shirkey, Sarah E. McClain, Christopher N. Jacques, J. Brian Davis, and Heath M. Hagy

2:15 pm **Ducks, Geese, Coots, and Nesting Waterbirds, Oh My! A 12-yr Summary of Emiquon and the Illinois River Valley**

Aaron P. Yetter, Chris S. Hine, Andy D. Gilbert, Joe D. Lancaster, and Sam T. Klimas

2:35 pm **Break**

1st Floor Café Area

Oral Session 3

2:45 pm **A Pesticide Survey of Local Water Systems**

Stephen R. Johnson, Hillary G. Rikli, and Thomas Rothfus

3:05 pm **Investigating Riverine Sediment Removal at a Large Restored Floodplain Wetland, La Grange Wetland Bank Site, Brown County, Illinois**

Keith W. Carr, Geoffrey E. Pociask, and Richard A. Cahill

3:25 pm **Seroprevalence of *Pasteurella multocida*, the Causative Agent of Avian Cholera, Among Birds in Central Illinois**

Travis E. Wilcoxon, Meredith Artime, Jacques Nuzzo, and Jane Seitz

3:45 pm **Poster Lightning Round**

1st Floor Museum Auditorium

3:55 pm **Poster Session**

1st Floor Common Area

1- Ecosystem Response to Bigheaded Carp Harvest: Zooplankton Recovery Following the 2016 and 2017 Unified Method in the HMS Pits

Amber Blackert, Samuel Leberg, McKayla Susen, Elizabeth Dix, Ashley Stanley, Kristopher Maxon, Alison Hinz, Andrew Casper

2- Effects of White Grub Parasite on Illinois River Sportfish From Three Distinct Habitats

Mason Deja

3- Understanding the Social Dimensions of Plastic Pollution in Inland Freshwater Systems

Anne-Marie Hanson and Thomas Rothfus

4- Using Green Chemistry to Produce Supported Iron Nanoparticles from Oak Leaf Extract and Biochar

Natalie Kerr and Keenan E. Dungey

5- Evaluating Dynamics of Habitat Resource Availability for Lesser Scaup at Pools 13 and 19 of the Mississippi River

Lauren D. Larson, Michael J. Anteau, Heath M. Hagy, Joseph D. Lancaster, Aaron P. Yetter, and Christopher N. Jacques

6- Preliminary Findings of Herpetofauna at Two Wetland Preserves in Illinois

Olivea M. Mendenhall, James T. Lamer, and Andrew F. Casper

7- Effects of Food Resource Quality on Trematode Parasitism in Larval Frogs

Kiernan Robinson and John Marino

8- Using Artificial Intelligence and Citizen Science to Aid in Classifying Camera Trap Images

Thomas Rothfus, Yanhui Guo, Lei Si, and Tih-Fen Ting

9- Transformations from Farm to Wetland

Jane Ward, Liz Cheek, Roberta Clifton, Michelle Quinones

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