

15th Annual Emiquon Science Symposium Schedule

9:00 – 9:05 Opening remarks, instructions

Session 1

9:05 – 9:25 20 years of Emiquon in 20 minutes (video)

9:25 – 9:45 **Blodgett**, Spring 2021 update on Emiquon hydrology

9:45 – 10:05 **Schmidt**, Predation risk at marsh bird nests as a result of water-level manipulations at Emiquon Preserve

10:05 – 10:25 **Archibald**, The return of Whooping Cranes to the Midwest

10:25 – 10:45 **Osborn**, Drawdown and the changing wetland vegetation community at Emiquon Preserve

10:45 – 10:50 **Break 1**

Session 2

10:50 – 11:10 **Lamer**, Asian carp reproduction and early life history in the Upper Mississippi River

11:10 – 11:30 **Phelps**, Evaluation of Asian carp use of a steep pass fish ladder

11:30 – 11:50 **Solomon**, Invasive carps in the Emiquon Preserve: a summary of the story so far

11:50 – 12:10 **Schaick**, Catch comparison of fishes and turtles in hoop nets using three bait types

12:10 – 12:30 **Lunch**

Session 3

12:30 – 12:50 **Vignos**, Stress physiology of Redfin Shiners (*Lythrurus umbratilis*) varies among riparian areas with different land use practices

12:50 – 1:10 **Wilcoxon**, Simulated ammonium sulfate runoff elevates cortisol and reduces lysozyme activity in adult Western mosquitofish.

1:10 – 1:30 **Blackert**, Drivers for fish growth and recruitment of Largemouth Bass, Bluegill, and Black Crappie at the Emiquon Preserve

1:30 – 1:50 **Budd**, Recovering the federally threatened *Boltonia decurrens*

1:50 – 2:30 **Science Snapshots**

1 – **Phillips**, Flathead Catfish artificial nest structure utilization within the Illinois Rock River system

2 – **Jones**, An assessment of Mudpuppy (*Necturus maculosus*) population characteristics in Robert Allerton Park (Monticello, IL)

3 – **Yetter**, Waterfowl response to the 2020 drawdown at the Emiquon Preserve

4 – **Fournier**, Motus: automated tracking of bird movements

5 – **Rothfus**, Utilizing drones to identify invasive species

2:30 – 2:35 **Break 2**

Session 4

2:35 – 2:55 **Moorehouse**, Using photography for pollinator surveys on nature preserves in west-central Illinois

2:55 – 3:15 **O’Gorman**, Morton Village archaeological overview and research summary

3:15 – 3:35 **Martin**, More bones than soil: animal remains from a large 14th-Century refuse pit at the Morton Village Site (11F2)

3:35 – 3:55 **Painter**, Surviving or thriving? Re-assessing social interaction and warfare related food insecurity at Morton Village