



**Midwest Bat Working Group  
8<sup>th</sup> Annual Meeting Agenda**

Hosted by: Ohio Bat Working Group  
April 21-22, 2016

Location: The Ohio State University  
Union, 1<sup>st</sup> Floor Great Hall



**Thursday, April 21, 2016**

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8:00 am–10:00 am	Breakfast	Great Hall Art Gallery: 1 <sup>st</sup> floor
8:00 am–5:00 pm	Registration	Great Hall Art Gallery: 1 <sup>st</sup> floor
8:00 am–5:00 pm	Vendors	Great Hall Room: 1 <sup>st</sup> floor
10:00 am–5:00 pm	Presentations	Great Hall Room: 1 <sup>st</sup> floor

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10:00 am –10:15 am **WELCOME**

10:15 am –11:15 am **KEYNOTE SPEAKER: Jim McCormac  
BOTANY, BUGS, AND BATS: AN INTRICATE LINK**

11:15 am–11:30 am **EFFECTS OF WHITE-NOSE SYNDROME AND ANNUAL CLIMATE VARIATION ON REPRODUCTION AND SURVIVAL IN TWO COMMON NORTH AMERICAN CAVE-HIBERNATING BAT SPECIES.** Lisa E. Powers, Joseph A. Kath, Jeanette Bailey and B. Magnus Francis.

11:30 am–11:45 am **EVOLUTIONARY GENETICS AND ECOLOGY OF THE EMERGING PATHOGEN WHITE-NOSE SYNDROME.** Hannah T. Reynolds and Jason Slot. *Department of Plant Pathology, The Ohio State University, 2021 Coffey Rd., Columbus, OH.*

11:45 am–12:00 pm **SANDSTONE CAVES ARE SIGNIFICANT HIBERNACULA FOR THE FEDERALLY THREATENED NORTHERN LONG-EARED BAT (*MYOTIS SEPTENTRIONALIS*).** Marlo M. Perdicas, Daniel R. Garrett and Ryan J. Trimbath. *Department of Natural Resources, Summit Metro Parks, Akron, OH; Department of Natural Resources, Cuyahoga Valley National Park, Brecksville, OH.*

12:00 pm–12:15 pm ***MYOTIS SEPTENTRIONALIS* and *M. LUCIFUGUS* POPULATIONS POST WNS IN NORTHERN OHIO.** Tim Krynak. *Natural Resources, Cleveland Metroparks, 2277 West Ridgewood Dr. Parma, OH.*

12:15 pm–12:30 pm **USFWS NATIONAL AND REGIONAL WHITE-NOSE SYNDROME UPDATE.** Rich Geboy. *USFWS, 620 South Walker Street, Bloomington, IN.*

12:30 pm–2:00 pm LUNCH (*on your own*)  
*Invite only: Student-Professional Mixer*

2:00 pm–2:15 pm **PREDICTING BAT ACTIVITY IN THE ROTOR SWEEP AREA BY MODELING BAT ACTIVITY AT DIFFERENT ELEVATIONS IN OPEN HABITATS. I.** Paulsen\*, K. Chapman, P. Daniels, G. Mickel and K. Clark. *Applied Ecological Services, Inc. 21938 Mushtown Road, Prior Lake, MN.*

2:15 pm–2:30 pm **TURBINE-INTEGRATED MORTALITY REDUCTION USING REAL-TIME BAT ACTIVITY.** Stephen Lindsay, John Goodrich Mahoney, Sue Schumacher, Crissy

- Sutter. *Normandeau Assoc, Gainesville FL (SL, CS); WE Energies, Milwaukee WI (SS), Electric Power and Research Institute, Washington, D.C. (JGM)*
- 2:30 pm–2:45 pm **GENETIC DIVERSITY IN THREE SPECIES OF TREEBATS.** Bryan Carstens, Michael Sovic, and H. Lisle Gibbs. *Department of Evolution, Ecology, & Organismal Biology, The Ohio State University 318 W. 12th Avenue, Columbus, OH.*
- 2:45 pm–3:00 pm **MIDWEST WIND ENERGY MULTI-SPECIES HABITAT CONSERVATION PLAN.** Megan Seymour. *US Fish and Wildlife Service, 4625 Morse Rd., Suite 104, Columbus, OH.*
- 3:00 pm–3:30 pm BREAK
- 3:30 pm–5:00 pm **STATE REPORTS (IL, IN, MI, MN, MO, OH, and WI)**
- 5:30 pm–8:30 pm SOCIAL



### **Friday, April 22, 2016**

7:30 am–9:00 am	Breakfast	Great Hall Art Gallery: 1 <sup>st</sup> floor
8:00 am–2:00 pm	Registration	Great Hall Art Gallery: 1 <sup>st</sup> floor
8:00 am–2:00 pm	Vendors	Great Hall Room: 1 <sup>st</sup> floor
9:00 am–2:00 pm	Presentations	Great Hall Room: 1 <sup>st</sup> floor

- 9:00 am–9:15 am **INFLUENCE OF ROADSIDE CHARACTERISTICS ON BAT SPECIES' PRESENCE AND RELATIVE ACTIVITY IN NORTHWEST OHIO.** Christian E. Nordal, Dr. Karen V. Root. *Department of Biology, Bowling Green State University, Bowling Green, OH.*
- 9:15 am–9:30 am **A PRELIMINARY EVALUATION OF AUTOMATED BAT CALL CLASSIFIERS USING ACOUSTIC TRANSECT DATA FROM SUPERIOR, CHIPPEWA AND CHEQUAMEGON-NICOLET NATIONAL FORESTS.** Kevin L. Murray, Tara Hohoff, Timothy J. Catton, Brian Heeringa, and Kari Kirschbaum. *Western Ecosystems Technology, Inc., Bloomington, IN (KLM), University of Illinois, Champaign, IL (TH), Superior National Forest, USDA – Forest Service, Ely, MN (TJC), Chequamegon-Nicolet National Forest, USDA – Forest Service, Ashland, WI (BH), Chippewa National Forest, USDA – Forest Service, Cass Lake, MN (KK).*
- 9:30 am–9:45 am **BRANDENBARK™: MITIGATION/MANAGEMENT TOOL FOR PROJECTS INVOLVING BARK ROOSTING BATS.** Mark Gumbert, Joshua Adams, Piper Roby, Price Sewell, Mike Brandenburg, and Zachary Baer. *Copperhead Environmental Consulting, Inc., 11641 Richmond Rd., Paint Lick, KY (MG, JA, PR, PS, ZB); Fort Knox, DPW, Natural Resource Branch, 6<sup>th</sup> Avenue, Suite 320, Fort Knox, KY (MB).*
- 9:45 am–10:00 am **ARCHIVING BAT SKIN BIOPSIES: STORAGE METHOD MATTERS FOR PROSPECTIVE STABLE ISOTOPE ANALYSIS.** T. J. Divoll\*, J. M. O'Keefe, and R. H. Michener. *Center for Bat Research, Outreach, and Conservation, Department of Biology, Indiana State University, Terre Haute, IN (TJD and JMO); Boston University Stable Isotope Laboratory, Department of Biology, Boston University, Boston, MA (RHM)*
- 10:00 am–10:15 am **USFWS REGION 3 STANDARDIZED SPREADSHEET FOR SUBMITTING BAT DATA.** Keith Lott, Kristen Lundh, Erik Olson, Andy King, Shauna Marquardt, Barb Holsler, and Tam Smith. *United States Fish and Wildlife Service (USFWS), 4625 Morse Road, Suite 104, Columbus, OH.*

- 10:15 am–10:30 am BREAK
- 10:30 am–10:45 am **NORTH AMERICAN BAT CONSERVATION ALLIANCE (NABCA).** Rob Mies. *Organization for Bat Conservation, Bloomfield Hills, MI.*
- 10:45 am–11:30 am **MWBWG BUSINESS MEETING**
- 11:30 am–12:30 pm LUNCH (*provided for advanced registration only*)
- 12:30 pm –12:45 pm **BAT SURVEYS AT EFFIGY MOUNDS NATIONAL MONUMENT IN NORTHEASTERN IOWA.** Francis Tillman, Kayla McLaughlin, and Gerald L. Zuercher. *Department of Natural & Applied Sciences, University of Dubuque, Dubuque, IA.*
- 12:45 pm–1:00 pm **ROOSTING HABITS OF THE EASTERN SMALL-FOOTED BAT IN THE SHAWNEE NATIONAL FOREST IN SOUTHERN ILLINOIS.** Kristi Confortin\* and Timothy Carter. *Department of Biology, Ball State University, Muncie, IN.*
- 1:00 pm –1:15 pm **HABITAT SUITABILITY MODELLING OF THE NORTHERN LONG-EARED BAT (*MYOTIS SEPTENTRIONALIS*) IN SOUTHERN INDIANA.** Jocelyn R. Karsk, Timothy C. Carter, and G. Scott Haulton. *Department of Biology, Ball State University, Cooper Life Science Building, CL 121, Muncie, IN (JRK, TCC); Indiana Department of Natural Resources, Division of Forestry, 402 W Washington St, IN (GSH).*
- 1:15 pm –1:30 pm **PREDATION AND OTHER FACTORS INFLUENCING EMERGENCE TIMES OF INDIANA BATS (*MYOTIS SODALIS*).** Robert Arndt, Joy O’Keefe, William Mitchell, Jordan Holmes, and Steven Lima. *Center for Bat Research, Outreach and Conservation, Indiana State University, Terre Haute, IN.*
- 1:30 pm –1:45 pm **GLOBAL INFLUENCE OF LAND COVER ON DIETARY SPECIALIZATION OF INSECTIVOROUS BATS.** Josiah J. Maine and Justin G. Boyles. *Cooperative Wildlife Research Lab, Southern Illinois University, Carbondale, IL.*
- 1:45 pm –2:00 pm AWARDS, ANNOUNCEMENTS, CLOSE