

## Adam A. Ahlers

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### EDUCATION

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#### *Degrees*

2015. **Ph.D.**, University of Illinois, Department of Natural Resources and Environmental Sciences, Urbana, IL
2010. **M.S.**, University of Illinois, Department of Natural Resources and Environmental Sciences, Urbana, IL
2007. **B.S.**, Eastern Illinois University, Biological Sciences, Charleston, IL
1998. **A.A.**, Northeast Community College, Liberal Arts, Norfolk, NE

#### *Certifications and training*

2020. Professional Leadership Certificate, University of Kansas
2018. James R. Coffman Leadership Institute, Kansas State University
2017. Certified Wildlife Biologist<sup>®</sup>, The Wildlife Society
2016. The Wildlife Society Leadership Institute
2016. Motorboat Operators Certification Course, U.S. Department of Interior
2010. Certificate in Business Administration, University of Illinois Urbana-Champaign

### PROFESSIONAL POSITIONS

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2022. **Visiting Scientist**, Human Dimensions Research Program, Prairie Research Institute, Illinois Natural History Survey, Urbana, IL
- 2020-present. **Associate Professor**, Department of Horticulture and Natural Resources, Kansas State University, Manhattan, KS
- 2015-2020. **Assistant Professor**, Department of Horticulture and Natural Resources, Kansas State University, Manhattan, KS
- 2007-2015. **Graduate Research and Teaching Assistant**, Department of Natural Resources and Environmental Sciences, University of Illinois, Urbana, IL; Prairie Research Institute, Illinois Natural History Survey, Urbana, IL
- 2005-2008. **Squad Leader**, Illinois Army National Guard, Effingham, IL
- 2001-2005. **Team Leader**, United States Army, Fort Campbell, KY
- 2000-2001. **Operations Supervisor**, Little Blue Natural Resources District, Davenport, NE
- 1998-2000. **Water Resources Technician**, Upper Elkhorn Natural Resources District, O'Neill, NE

### LEADERSHIP AND PROFESSIONAL ADMINISTRATION

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- 2023-present. **President**, Kansas Chapter of The Wildlife Society

- 2021-2022. **President-elect**, Kansas Chapter of The Wildlife Society
- 2020-present. **Department Committee on Planning**, Department of Horticulture and Natural Resources, Kansas State University, Manhattan, KS
- 2020-present. **Faculty Senate**, Kansas State University, Manhattan, KS
- 2020-2022. **Undergraduate Program Director**, Department of Horticulture and Natural Resources, Kansas State University, Manhattan, KS
- 2020-2022. **College of Agriculture Course and Curriculum Committee**, Kansas State University, Manhattan, KS
- 2020-2022. **College of Agriculture Recruitment Committee**, Kansas State University, Manhattan, KS
- 2020-2021. **Coordinator**, Faculty Exchange for Teaching Excellence, Teaching & Learning Center, Kansas State University, Manhattan, KS
- 2019-2021. **Academy Nomination Advisory Board**, Office of the United States Senate
- 2018-2021. **Editorial Advisory Board**, *The Wildlife Professional*
- 2018-2020. **President**, Central Mountains & Plains Section, The Wildlife Society
- 2017-2018. **President-elect**, Central Mountains & Plains Section, The Wildlife Society
- 2017-2018. **Chair**, Mission and Strategic Plan Review Committee, Central Mountains & Plains Section, The Wildlife Society
- 2017-2020. **Chair**, Resolutions and Statements Committee, Central Mountains & Plains Section, The Wildlife Society

#### **HONORS AND AWARDS**

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2022. Fellows Award, The Wildlife Society
2022. Affiliate Fellow, Center for Great Plains Studies, University of Nebraska – Lincoln, Lincoln, NE
2021. Editor’s Choice – *Canadian Journal of Zoology*; recognition of our paper: Population dynamics of muskrats (*Ondatra zibethicus*) and American mink (*Neovison vison*): investigating contemporary patterns in a classic predator-prey system
2020. North American Colleges & Teachers of Agriculture (NACTA) Educator Award
2019. Natural Resource Communication Award (Best Professional Paper); Annual Meeting of the Central Mountains & Plains Section, The Wildlife Society
2018. Early Career Award; Gamma Sigma Delta, Kansas State University
2017. Outstanding Teacher Award; Gamma Sigma Delta, Kansas State University
2015. North American Colleges & Teachers of Agriculture (NACTA) Graduate Teaching Award
2015. Louis V. Logeman Graduate Student Teaching Award

- 2011-2014. Recognized as Excellent Teacher; University of Illinois  
 -Wildlife Population Ecology, NRES 407 (2011, 2012\*, 2013\*, 2014\*, 2015\*)  
 -Wildlife Field Techniques, NRES 285 (2011, 2012\*, 2014\*, 2015\*)  
 -Mammalogy, IB 462 (2011\*, 2013)
2013. Presidential Management Fellowship – *Semifinalist*
- 2009, 2012. Janice Lee Fenske Memorial Award for Outstanding Students – *Finalist*
- 2009, 2015. Presidential Management Fellowship – *Finalist*
2007. Battalion Non-commissioned Officer of the Year
2003. United States Army Commendation Medal with “Valor” device

\*Included on the List of Teachers Ranked as Outstanding by Their Students (top 10% at the University of Illinois)

### **PUBLICATIONS (\*ecologists from my lab)**

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#### ***Peer-reviewed***

- In Press. Bomske CM\*, Peek MS, and **Ahlers AA**. Demographic estimates from a muskrat population in the Flint Hills ecoregion. *Prairie Naturalist*.
2023. Palomo-Munoz G\*, Werdel TJ\*, Piper CW\*, Peek M, Ricketts AM, and **Ahlers AA**. Spatiotemporal distributions of mammals occurring in an agro-prairie ecosystem. *Ecology*. e3945.
2023. Werdel TJ\*, Piper CW\*, Peek MS, Ricketts AM, Sullins DS, and **Ahlers AA**. Strategic grassland conservation for swift foxes in multi-use landscapes. *Biological Conservation* 277: 109864.
2022. Parker NJ, Sullins DS, Haukos DA, Fricke KA, Hagen CA, and **Ahlers AA**. Demographic effects of a megafire on a declining prairie grouse population in the mixed-grass prairie. *Ecology and Evolution* 12: e9544
2022. Bauder JM, Allen ML, **Ahlers AA**, Benson TJ, Miller CA, and Stodola KW. Long-term data reveal equivocal evidence for intraguild suppression among sympatric canids. *Biodiversity and Conservation*. doi.org/10.1007/s10531-022-02465-y.
2022. Lancaster PA, Presley D, Fick W, Pendell D, **Ahlers AA**, Ricketts A, and Tang M. Net nutrient conversion of human-edible nutrients in the beef supply chain. *Animals* 12, 2170: doi.org/10.3390/ani12172170.
2022. Werdel TJ\*, Piper CW\*, Peek MS, Ricketts AM, and **Ahlers AA**. Scale-specific effects impose range-limiting constraints on the distribution of a prairie-obligate carnivore. *Landscape Ecology* 37: 2065-2079.
2022. Gallo T, Fidino M, Gerber B, **Ahlers AA**, Angstmann J, Amaya M, Concilio AL, Drake D, Lehrer EW, Murray MH, Ryan TJ, St. Clair CC, Salsbury CM, Sander HA, Stankowich T, Williamson J, Belaire JA, and Magle SB. Mammals adjust diel activity across gradients of urbanization. *eLife*. 11:e74756.

2021. Magle S, Fidino M, Sander HA, Rohnke AT, Larson KL, Kay CAM, Lehrer L, Murray MH, Adalsteinsson SA, **Ahlers AA**, Anthonysamy WJB, Gallo T, Gramza AR, Green AM, Jordan MJ, Lewis JS, Long RA, MacDougall B, Remine K, Simon KC, St. Clari CC, Stankowich T, Zellmer AJ, and Schell CJ. Wealth and urbanization shape medium and large terrestrial mammal communities. *Global Change Biology* 27: 5446-5459.
2021. Larson LR, Peterson MN, Von Furstenberg RV, Vayer VR, Jerry Lee K, Choi DY, Stevenson K, **Ahlers AA**, Anhalt-Depies C, Bethke T, Bruskotter J, Chizinski C, Clark B, Dayer AA, Ghasemi B, Gigliotti L, Graefe A, Irwin K, Keith SJ, Kelly M, Kyle G, Metcalf E, Morse W, Needham MD, Poudyal N, Quartuch M, Rodriguez S, Romulo C, Sharp RL, Siemer W, Springer M, Stayton B, Stedman R, Stein T, Van Deelen T, Whiting J, Winkler RL, and Woosnam KM. The future of wildlife conservation funding: what options do U.S. college students support? *Conservation Science and Practice* 3: e505.
2021. **Ahlers AA**, Lyons TP, and Heske EJ. Population dynamics of muskrats (*Ondatra zibethicus*) and American mink (*Neovison vison*): investigating contemporary patterns in a classic predator-prey system. *Canadian Journal of Zoology* 99: 681-688. (Selected by editors to be featured in 'Editor's Choice' section of this issue)
2021. Vayer V, Larson LR, Peterson MN, Lee KJ, Von Furstenberg R, Choi D, Stevenson K, **Ahlers AA**, Anhalt-Depies C, Bruskotter J, Chizinski C, Dayer A, Farmer J, Ghasemi B, Gigliotti L, Graefe A, Irwin K, Keith S, Kelly M, Kyle G, Metcalf E, Morse W, Needham M, Poudyal N, Quartuch M, Rodriguez S, Romulo C, Sharp RL, Siemer W, Springer M, Stedman R, Stein T, Van Deelen T, Whiting J, Winkler R, and Woosnam K. Diverse university students across the United States reveal promising pathways to hunter recruitment and retention. *Journal of Wildlife Management* 85: 1017-1030.
2021. Aarrestad O, Matykiewicz BR\*, Windels SK, **Ahlers AA**, Olson BT, Rendahl A, Burton E, and Wolf TM. Baseline physiologic and hematologic health in wild-caught muskrats (*Ondatra zibethicus*) from a near-pristine ecosystem in northern Minnesota. *Journal of Zoo and Wildlife Medicine* 52: 698-703.
2021. Matykiewicz BR\*, Windels SK, Olson BT, Plumb RT, Wolf TM, and **Ahlers AA**. Assessing translocation effects on the spatial ecology and survival of muskrats (*Ondatra zibethicus*). *Wildlife Biology* 2: 1-11.
2021. Fidino M, Gallo T, Lehrer EW, Murray MH, Kay C, Sander AA, MacDougall B, Salsbury CM, Ryan TJ, Angstmann JL, Belaire JA, Dugelby B, Schell C, Stankowich T, Amaya M, Drake D, Hursh SH, **Ahlers AA**, Williamson J, Hartley LM, Zellmer AJ, Simon K, and Magle SB. Landscape-scale differences among cities alter common species' responses to urbanization. *Ecological Applications* 31: e02253.
2021. Jackson S, Sharp R, Mailey E, and **Ahlers AA**. Exercise and stress levels associated with a visit to Tallgrass Prairie National Preserve. *Parks Stewardship Forum* 37: 253-264.

2021. Bomske CM\* and **Ahlers AA**. How do muskrats *Ondatra zibethicus* affect ecosystems? A review of evidence. *Mammal Review* 51: 40-50.
2020. Bauder JM, Allen ML, **Ahlers AA**, Benson TJ, Miller CA, and Stodola KW. Identifying and controlling for variation in canid harvest data. *Journal of Wildlife Management* 84: 1234-1245.
2020. **Ahlers AA**, Wolf TM, Aarrestad O, Windels SK, Olson BT, Matykiewicz BR\*, and Dubey JP. Survey of *Toxoplasma gondii* exposure in muskrats in a relatively pristine ecosystem. *Journal of Parasitology* 106: 346-349.
2020. Wait KR\* and **Ahlers AA**. Virginia opossum distributions are influenced by non-native landscapes and water availability. *Journal of Mammalogy* 101: 216-225. (Corrigendum included on page 318 of same issue)
2020. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Cross-scale interactions and non-native cattails affect the spatial distribution of a wetland-obligate species. *Landscape Ecology* 35: 59-68.
2019. **Ahlers AA** and Miller CA. Testing waterfowl hunters' waterfowl identification skills. *Wildfowl* 69: 206-220.
2019. **Ahlers AA**. Watercolors and waterfowl: enhancing student learning of waterfowl identification skills. *Natural Sciences Education* 48: 1-4.
2019. Magle SB, Fidino M, Lehrer EW, Gallo T, Rios MJ, Mulligan MP, Ríos MJ, **Ahlers AA**, Angstmann J, Belaire A, Dugelby B, Gramza A, Hartley L, MacDougall B, Ryan T, Salsbury C, Sander H, Schell C, Simon K, St Onge S, and Drake D. Advancing urban wildlife research through a multi-city collaboration. *Frontiers in Ecology and the Environment* 17: 232-239.
2018. Becker TA, **Ahlers AA**, Hesting S, and Haukos DA. Spatiotemporal distribution of waterfowl disease outbreaks in Kansas. *Prairie Naturalist* 50: 4-14.
2018. Wait KR\*, Ricketts AW, and **Ahlers AA**. Land-use change structures carnivore communities in remaining tallgrass prairie. *Journal of Wildlife Management* 82: 1491-1502.
2018. Wesche SL\*, O'Neal BJ, Windels SK, Olson BT, Larreur M\*, and **Ahlers AA**. Influence of invasive hybrid cattails on habitat use by common loons. *Wildlife Society Bulletin* 42: 166-171.
2017. **Ahlers AA** and Heske EJ. Empirical evidence for declines in muskrat populations across the United States. *Journal of Wildlife Management* 81: 1408-1416.
2017. Miller CA and **Ahlers AA**. Where does the money go? Awareness of federal duck stamp fund expenditures among Illinois waterfowl hunters. *Human Dimensions of Wildlife* 22: 291-294.
2017. Sharp RL and **Ahlers AA**. Undergraduates' understanding of agricultural impacts on wildlife: a case for wildlife conservation education. *Natural Sciences Education* 46: 1-5.

2016. **Ahlers AA**, Miller CA, and Heske EJ. Economic influences on trapper participation and per capita harvest of muskrats. *Wildlife Society Bulletin* 40: 548-553.
2016. Heske EJ and **Ahlers AA**. Raccoon (*Procyon lotor*) activity is predicted better by availability of water than by land cover in a moderately fragmented landscape. *Northeastern Naturalist* 23: 352-363.
2016. **Ahlers AA**, Heske EJ, and Schooley RL. Prey distribution, potential landscape supplementation, and urbanization affect occupancy dynamics of American mink in streams. *Landscape Ecology* 31:1601-1613.
2015. **Ahlers AA**, Cotner LA, Wolff PJ, Mitchell MA, Heske EJ, and Schooley RL. Summer precipitation predicts the spatial distribution of semiaquatic mammals. *PLoS ONE*. DOI: 10.1371/journal.pone.0135036.
2015. Fischer JD, Schneider SH, **Ahlers AA**, and Miller JR. Categorizing wildlife responses to urbanization and conservation implications of terminology. *Conservation Biology* 29: 1246-1248.
2015. **Ahlers AA**, Mitchell MA, Dubey JP, Schooley RL, and Heske EJ. Risk factors for *Toxoplasma gondii* exposure in semiaquatic mammals in a freshwater ecosystem. *Journal of Wildlife Diseases* 51: 488-492.
2012. Schooley RL, Cotner LA, **Ahlers AA**, Heske EJ, and Levensgood JM. Monitoring site occupancy for American mink in its native range. *Journal of Wildlife Management* 76: 824-831.
2011. **Ahlers AA**, Mitchell MA, Schooley RL, Heske EJ, and Levensgood JM. Hematologic and blood chemistry reference values for free-ranging riparian muskrats (*Ondatra zibethicus*). *Journal of Wildlife Diseases* 47: 685-689.
2010. **Ahlers AA**, Heske EJ, Schooley RL, and Mitchell MA. Home ranges and space use of muskrats *Ondatra zibethicus* in restricted linear habitats. *Wildlife Biology* 16: 400-408.
2010. **Ahlers AA**, Schooley RL, Heske EJ, and Mitchell MA. Effects of flooding and riparian buffers on survival of muskrats (*Ondatra zibethicus*) across a flashiness gradient. *Canadian Journal of Zoology* 88: 1011-1020.

### **In Review/Revision**

- In Revision. Werdel TJ\*, Piper CW\*, Peek MS, Ricketts AM, and **Ahlers AA**. Landscape-scale effects structure carnivore communities in an agro-prairie ecosystem. *Journal of Mammalogy*.
- In Revision. Vayer VR, Von Furstenberg R, Larson LR, Peterson MN, Stevenson K, **Ahlers AA**, Anhalt-Depies C, Bethke T, Clark B, Dayer AA, Ghasemi B, Gigliotti L, Irwin K, Keith SJ, Kelly M, Kyle G, Metcalf E, Needham MD, Poudyal N, Quartuch M, Rodriguez S, Romulo C, Sharp RL, Siemer W, Springer M, Stedman R, Stein T, Van Deelen T, Winkler RL, and Woosnam KM. Can R3 programs create new hunters? Evaluating the impacts of hunting workshops on college students across the United States. Submitted to *Wildlife Society Bulletin*.

- In Review. Werdel TJ\*, M. Fidino, Piper CW\*, Peek MM, Ricketts AW, and **Ahlers AA**. Influence of landscape composition on spatiotemporal interactions between sympatric canids. Submitted to *Ecological Applications*.
- In Review. Moorberg CJ, Travis SE, and **Ahlers AA**. Evaluating effect of cutting depths on regrowth of invasive cattail (*Typha angustifolia*). Submitted to *Agroecosystems, Geosciences & Environment*.
- In Review. Haight JD, Hall SJ, Fidino M, Adalsteinsson SA, **Ahlers AA**, Angstmann, Anthonyamy WJB, Biro E, Dugleby B, Gallo T, Green AM, Hartley L, Jordan MJ, Kay CAM, Lehrer EW, Long RA, MacDougall B, Magle SB, Minier D, Mowry C, Murray M, Nininger K, Pendergast ME, Remine KR, Ryan T, Salsbury C, Schell CJ, Sekercioglu C, Shier CJ, Simon KC, St. Clair CC, Stankowich T, Stevenson CJ, Will D, Williamson J, Wilson L, Zellmer AJ, and Lewis JS. Urbanization, climate, and species traits shape mammal communities from local to continental scales. Submitted to *Nature Ecology and Evolution*.

#### ***Extension/Outreach/Trade articles***

2020. **Ahlers AA**. Using paragraph puzzles to teach scientific writing. *North American Colleges and Teachers of Agriculture Journal*, Teaching Tips/Notes ([https://www.nactateachers.org/images/TeachingTips/TT\\_2020-0268.pdf](https://www.nactateachers.org/images/TeachingTips/TT_2020-0268.pdf))
2019. Hiller TL and **Ahlers AA**. Trapping's past, present and future. *The Wildlife Professional* 13: 28-31.
2019. **Ahlers AA**. My best worst bow hunt. *Kansas! Outdoors*. February Issue: 48-49.
2017. Larson LR, Stayton B, Sharp RL, **Ahlers AA**, and Downer B. Turning college students on to hunting: why campuses are ideal targets for R3 efforts. *The Wildlife Professional* 11: 44-46.
2017. Stayton B, Larson LR, Sharp RL, **Ahlers AA**, and Downer B. Colleges and universities: prime habitat for hunter recruitment and retention? In Responsive Management & National Shooting Sports Foundation (Eds.), *Hunting, Fishing, Sport Shooting, and Archery Recruitment, Retention, and Reactivation: A Practitioner's Guide* (pp. 441-444). Harrisonburg, VA: Responsive Management.
2016. †**Ahlers AA**. Knowledge is the most effective tool of all. *North American Gamebird Association News* (Focus on Education). November/December. 16-17.
2016. †**Ahlers AA**. The science behind predator management. *North American Gamebird Association News* (Focus on Education). September/October. 14-16.
2016. †**Ahlers AA**. Mentoring the next generation of outdoor entrepreneurs. *North American Gamebird Association News* (Focus on Education). July/August. 22-23.
2016. †**Ahlers AA**. Teaching millennials to carry on our outdoor traditions. *North American Gamebird Association News* (Focus on Education). May/June. 22-23.
2015. **Ahlers AA**, Wolff PA, Schooley RL, and Heske EJ. Think mink. Illinois Natural History Survey Special Reports. No. 412.

#### ***Technical reports***

2022. **Ahlers AA** and Ricketts AM. Federal Aid in Wildlife Restoration Final Performance Report (Assessing changes in the spatial distribution of swift fox in western Kansas).
2022. **Ahlers AA**. Federal Aid in Wildlife Restoration Final Performance Report (Estimating demographic parameters of muskrats in Kansas).
2021. **Ahlers AA** and Ricketts AM. Federal Aid in Wildlife Restoration Annual Performance Report (Assessing changes in the spatial distribution of swift fox in western Kansas).
2021. **Ahlers AA**. Federal Aid in Wildlife Restoration Annual Performance Report (Estimating demographic parameters of muskrats in Kansas).
2020. **Ahlers AA**. Federal Aid in Wildlife Restoration Annual Performance Report (Estimating demographic parameters of muskrats in Kansas).
2020. **Ahlers AA** and Ricketts AM. Federal Aid in Wildlife Restoration Annual Performance Report (Assessing changes in the spatial distribution of swift fox in western Kansas).
2019. **Ahlers AA**, Sullins DS, and Barden CJ. USDA NIFA McIntire-Stennis Annual Capacity Report (Assessing how land-use change impacts the spatial distribution of a prairie-obligate carnivore).
2019. **Ahlers AA**. Federal Aid in Wildlife Restoration Annual Performance Report (Estimating demographic parameters of muskrats in Kansas).
2019. **Ahlers AA** and Ricketts AM. Federal Aid in Wildlife Restoration Annual Performance Report (Assessing changes in the spatial distribution of swift fox in western Kansas).
2018. **Ahlers AA** and Barden CJ. USDA NIFA McIntire-Stennis Annual Capacity Report (Assessing how land-use change impacts the spatial distribution of a prairie-obligate carnivore).
2018. **Ahlers AA** and Ricketts AM. Federal Aid in Wildlife Restoration Annual Performance Report (Assessing changes in the spatial distribution of swift fox in western Kansas).
2014. Heske EJ and **Ahlers AA**. Survey of the Fieldstone subdivision berm site, Savoy, IL, for the state-threatened Franklin's ground squirrel, *Poliocitellus franklinii*. Final Report. Farnsworth Group, Champaign, IL.

## **TEACHING EXPERIENCE**

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### ***Kansas State University***

2015-present. **Primary Instructor**, Kansas State University

#### Graduate Courses

-Topics in Wildlife Ecology, FOR 741 (*developed course*, 1 credit hour; Fall 2018)

-Science Writing, FOR 741 (*developed course*, 3 credit hours; Spring 2019-2020)

#### Undergraduate Courses



- Senior Seminar, WOEM 595 (1 credit hour; Spring and Fall, 2015-present)
- Wetland and Waterfowl Management, WOEM 561(*developed course*, 3 credit hours; Fall 2016 - present)
- Upland Gamebird Management, WOEM 560 (*developed course*, 3 credit hours; Spring 2016-2018)
- Big Game Management, WOEM 555 (*developed course*, 3 credit hours; Spring 2016-2018)
- Introduction to Wildlife and Outdoor Enterprise Management, WOEM 250 (1 credit hour; Fall 2015-present)
- Trap and Skeet Range Development, WOEM 206 (1 credit hour; Spring 2016)
- Sporting Clays Range Development, WOEM 205 (1 credit hour; Spring 2016)
- Bowhunting Equipment and Skills, WOEM 203 (*developed course*, 1 credit hour; Fall 2015-present)
- Rifle and Handgun Range Design, WOEM 202 (1 credit hour; Fall 2015-present)
- Firearms, Cartridges and Ballistics, WOEM 201 (1 credit hour; Fall 2015-present)

2018. **Co-Instructor**, Kansas State University  
 -Flora and Fauna of the Great Plains, WOEM 350 (*co-developed course*, 3 credit hours; Fall 2018)

**University of Illinois**

2015. **Co-Instructor**, University of Illinois  
 -Wildlife Field Techniques, NRES 285 (2 credit hours; Spring 2015)

2010-2015. **Graduate Teaching Assistant**, University of Illinois  
 -African Wildlife Discovery Study Tour to South Africa (Summer 2010)  
 -Wildlife Field Techniques, NRES 285 (Spring 2010-2015)  
 -Population Ecology, NRES 407 (Spring 2010-2015)  
 -Mammalogy, IB 462 (Fall 2012, 2014)

**Eastern Illinois University**

2006. **Lab Assistant**, Department of Biology, Eastern Illinois University  
 -Animal Diversity, BIO 1300 (Fall 2006)

**STUDENT MENTORSHIP**

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**Postdoctoral research advising**

2021-2022. Dr. Gabriela Palomo-Muñoz, Department of Horticulture and Natural Resources, Kansas State University. Postdoctoral work from our lab published in *Ecology*.

**Graduate student advising**

2022-present. Dominique Byrd. M.S., Department of Horticulture and Natural Resources, Kansas State University.

- 2018-present. Caleb Bomske. Ph.D., Department of Horticulture and Natural Resources, Kansas State University. Graduate work published in *Mammal Review* and *Prairie Naturalist*.
- 2017-2022. Ty Werdel. Ph.D., Department of Horticulture and Natural Resources, Kansas State University. Completed May 2022. Graduate work published in *Landscape Ecology*, *Ecology*, and *Biological Conservation*.
- 2019-2021. Colleen Piper. M.S., Department of Horticulture and Natural Resources, Kansas State University. *Thesis*: Landscape composition and proximity to water influence American badger distributions in shortgrass prairies. Completed July 2021. Graduate work submitted to *Journal of Mammalogy*.
- 2018-2020. Benjamin Matykiewicz. M.S., Department of Horticulture and Natural Resources, Kansas State University. *Thesis*: Post-translocation spatial ecology and survival of muskrats (*Ondatra zibethicus*) in lacustrine wetlands. Completed May 2020. Graduate work published in *Journal of Parasitology*, *Journal of Zoo and Wildlife Medicine*, and *Wildlife Biology*.
- 2016-2018. Max Larreur. M.S., Department of Horticulture and Natural Resources, Kansas State University. *Thesis*: Multiscale habitat use by muskrats in lacustrine wetlands. Completed August 2018. Graduate work published in *Landscape Ecology* and *Wildlife Society Bulletin*.
- 2015-2017. Kyle Wait. M.S., Department of Horticulture and Natural Resources, Kansas State University. *Thesis*: Contemporary land-use change structures carnivore communities in remaining tallgrass prairie. Completed August 2017. Graduate work published in *Journal of Wildlife Management* and *Journal of Mammalogy*.
- 2014-2016. Jason Buselli. M.S. (Online option), Natural Resources and Environmental Sciences, University of Illinois (co-advised with Dr. Bob Schooley)

***Graduate student committee member***

- 2022-present. Joshua Wurtz. M.S., Department of Horticulture and Natural Resources, Kansas State University
- 2022-present. Caleb Durbin. M.S., Department of Horticulture and Natural Resources, Kansas State University
- 2021-present. Rachel Shively. Ph.D., Department of Horticulture and Natural Resources, Kansas State University
- 2020-2021. Nicholas Parker. M.S., Department of Horticulture and Natural Resources, Kansas State University
- 2019-2020. Christopher Delfelder. M.S., Department of Animal Sciences and Industry, Kansas State University
- 2018-2020. Alixandra Godar. Ph.D., Division of Biology, Kansas Cooperative Fish and Wildlife Research Unit, Kansas State University
- 2018-2021. Boomer Malanchuk. Ph.D., Division of Biology, Kansas Cooperative Fish and Wildlife Research Unit, Kansas State University

- 2018-2019. Sarah Jackson. Ph.D., Department of Horticulture and Natural Resources, Kansas State University
- 2017-2019. Mitchell Kern. M.S., Department of Horticulture and Natural Resources, Kansas State University
- 2016-2018. Stephen Ofori. M.Sc., College of Science, Kwame Nkrumah University of Science & Technology
2016. Chris Mullins. M.S., Department of Horticulture and Natural Resources, Kansas State University
- 2015-2016. Thomas Becker. M.S., Department of Horticulture and Natural Resources, Kansas State University

***Undergraduate student research advising***

- 2021-2022. Leslie Armendariz. Developing Scholars Program; Department of Animal Sciences, Kansas State University
- 2017-2018. Zachary Porterfield. Department of Horticulture and Natural Resources, Kansas State University
- 2016-2018. Justin Patterson. Department of Horticulture and Natural Resources, Kansas State University
- 2016-2017. Spencer Wesche. In collaboration with the Biology Department, Franklin College (Franklin, IN; co-advised by Dr. Ben O’Neal). Undergraduate research published in *Wildlife Society Bulletin*
2016. Weiqiang Zhi. Department of Statistics, Kansas State University
2016. Michelle Lefave. Department of Horticulture and Natural Resources, Kansas State University

**GRANTS AND CONTRACTS**

***Funded***

- 2022-2025. Species Wildlife Action Plan, US Fish and Wildlife Service and Kansas Department of Wildlife and Parks; Identifying habitat, distribution, and genetic structure of the southern flying squirrel in Kansas. (Andrew Hope and **Ahlers, Co-PIs**)
- 2022-2025. Great Lakes Fish and Wildlife Restoration Act, US Fish and Wildlife Service; Evaluating the impact of wetland quality and drought on muskrat populations in the Great Lakes Basin. (Tim Hiller, PI; Jesse Boulerice, Dwayne Etter, Eric Dunton, and **Ahlers, Co-PIs**)
- 2020-2022. National Cattlemen’s Beef Association; Assessing human benefits of grazing rangelands in the Great Plains. (Phillip Lancaster, PI; Deann Presley, Walter Fick, Dustin Pendell, Andrew Ricketts, Amy Bruska, and Jason Ellis, and **Ahlers, Co-PIs**)
- 2018-2020. Great Lakes Fish and Wildlife Restoration Act, US Fish and Wildlife Service; Assessing the value of an indicator species for wetland quality, connectivity, and

- wildlife in the Great Lakes Basin. (Tim Hiller, PI; Dwayne Etter and **Ahlers, Co-PIs**)
- 2018-2022. Federal Aid in Wildlife Restoration, US Fish and Wildlife Service and Kansas Department of Wildlife, Parks & Tourism; Estimating demographic parameters of muskrat (*Ondatra zibethicus*) populations in Kansas. (**Ahlers, PI**)
2018. Association of Fish and Wildlife Agencies (AFWA). Evaluating the promise and potential impacts of R3 efforts targeting college students. (Lincoln Larson, PI; **Ahlers, Co-PI**; 25 other academic and institutional Co-PIs)
- 2018-2021. Legislative-Citizen Commission on Minnesota Resources (LCCMR), Environment and Natural Resources Trust Fund; Evaluate control methods for invasive hybrid cattails. (Steve Windels, PI; **Ahlers, Co-PI**)
- 2017-2020. Federal Aid in Wildlife Restoration, US Fish and Wildlife Service and Kansas Department of Wildlife, Parks & Tourism; Assessing changes in the spatial distribution of swift fox (*Vulpes velox*) in western Kansas. (**Ahlers, PI**; Andrew Ricketts, Co-PI)
2016. Kansas State University, College of Agriculture; Assessing student learning of science-based harvest management principles. (**Ahlers, PI**; Kyle Wait, Co-PI)
2016. The Wildlife Society, Leadership Institute travel grant.
2013. College of Agricultural, Consumer and Environmental Sciences' Research Travel Grant, University of Illinois.
- 2010, 2014. American Society of Mammalogists Student Travel Fellowships.
2010. South Africa Travel Scholarship, Arlys Conrad Scholarship Fund.
- 2009-2012. Richard Daniel Memorial Scholarships, Illinois Trappers Association.
- 2007-2012. Travel Grants, Department of Natural Resources and Environmental Sciences, University of Illinois.
2001. Nebraska Environmental Trust, Little Blue Natural Resources District (wetland disc and no-till drill).

## **PROFESSIONAL SERVICE**

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### ***Committee membership***

- 2022-present. Education and Graduate Students Committee, American Society of Mammalogists
- 2021-2022. Planning Committee, Midwest Fish and Wildlife Conference (Wichita, KS)
- 2021-2022. Planning Committee, Kansas Natural Resources Conference (Manhattan, KS)
- 2021-2022. Planning Committee, Central Mountains & Plains Section of The Wildlife Society Annual Meeting (Virtual Event)
2020. Planning Committee, Central Mountains & Plains Section of The Wildlife Society Annual Meeting (Virtual Event)

- 2019. Planning Committee, Central Mountains & Plains Section of The Wildlife Society Annual Meeting (Bismarck, ND)
- 2017-present. Student Mentor, The Leadership Institute, The Wildlife Society
- 2017-present. Annual Program Committee, Central Mountains & Plains Section, The Wildlife Society
- 2017-present. Kansas R3 Task Force Committee
- 2016-2018. American Society of Mammalogists host committee member for the 98<sup>th</sup> annual meeting at Kansas State University, Manhattan, KS
- 2015-present. Nominating and Elections Committee; Hunting, Trapping, and Conservation Working Group; The Wildlife Society
- 2014-present. Grants-in-Aid Committee, American Society of Mammalogists
- 2013-2019. Publication Awards Committee, The Wildlife Society
- 2012-2014. Conservation Committee, American Society of Mammalogists

***Working group membership***

- 2017-present. College & University Wildlife Education Working Group; The Wildlife Society
- 2017-present. Early Career Professional Working Group; The Wildlife Society
- 2015-present. Hunting, Trapping, and Conservation Working Group; The Wildlife Society
- 2013-present. Wetlands Working Group, The Wildlife Society

***Research chair***

- 2010-2011. University of Illinois Chapter of The Wildlife Society

***Professional society membership***

- 2022-present. International Association of Landscape Ecology
- 2021-present. The Great Plains Natural Science Society (Life Member)
- 2021-present. Kansas Authors Club
- 2017-2018. Outdoor Writers of Kansas
- 2017-2018. Outdoor Writers Association of America
- 2016-present. Gamma Sigma Delta
- 2015-present. North American Colleges & Teachers of Agriculture
- 2015-2017. Central Plains Society of Mammalogists
- 2015-present. The Wildlife Society, Central Mountains and Plains Section
- 2015-present. The Wildlife Society, Kansas Chapter
- 2006-present. The Wildlife Society
- 2006-present. American Society of Mammalogists (Life Member)

***External journal reviewer***

*American Biology Teacher, Annales Zoologici Fennici, Canadian Wildlife Biology and Management, Ecology and Evolution, Ethology, Global Change Biology, Human Dimensions of Wildlife, Journal of Applied Ecology, Journal of Fish and Wildlife Management, Journal of Mammalogy, Journal of Wildlife Diseases, Journal of Wildlife Management, Mammalian Biology, Management of Biological Invasions, Natural Sciences Education, Northeastern Naturalist, Northwestern Naturalist, PLoS ONE, Southeastern Naturalist, Scientific Reports, Therya, Transactions of the Illinois Academy of Sciences, Quaternary Science Reviews, Urban Ecosystems, Western North American Naturalist, Wildlife Society Bulletin*

## **UNIVERSITY SERVICE**

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### ***Kansas State University***

- 2017-2020. Advisory Board Member (representing the College of Agriculture), Faculty Exchange for Teaching Excellence
- 2017-2019. Faculty advisor, Kansas State University Student Chapter of Ducks Unlimited
- 2016-2020. Faculty advisor, Wildlife and Outdoor Enterprise Management Club (Co-advised with Dr. Andrew Ricketts)
- 2015-2016. Faculty advisor, Shotgun Sports Club

### ***College of Agriculture, Kansas State University***

- 2020-present. Course and Curriculum Committee
- 2020-present. College of Agriculture Caucus Member, Kansas State Faculty Senate
2020. Search Committee Member for Recruitment Coordinator
2018. Search Committee Member for Information Technology Support Specialist; Department of Agronomy, Kansas State University
- 2017-present. Student Teaching and Research Awards Recognition Committee; Gamma Sigma Delta

### ***Department***

- 2020-2021. Faculty Search Committee Member for Wildlife and Outdoor Enterprise Management; Department of Horticulture and Natural Resources, Kansas State University
2018. Chair, Faculty Search Committee for Wildlife and Outdoor Enterprise Management; Department of Horticulture and Natural Resources, Kansas State University
2018. Faculty Search Committee Member for Parks, Management and Conservation; Department of Horticulture and Natural Resources, Kansas State University
- 2016-present. Social Committee; Department of Horticulture and Natural Resources, Kansas State University
- 2016-present. Seminar Committee; Department of Horticulture and Natural Resources, Kansas State University

- 2015-present. Course and Curriculum Committee; Department of Horticulture and Natural Resources, Kansas State University
2013. Graduate Student Grievance Committee; Department of Natural Resources and Environmental Sciences, University of Illinois

#### **RESEARCH COVERAGE IN POPULAR MEDIA**

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2021. This is how college students think we could pay for wildlife conservation in the U.S. (<https://news.ncsu.edu/2021/07/this-is-how-college-students-think-we-could-pay-for-wildlife-conservation-in-the-u-s/>)
2021. The new face of hunting (<https://wildlife.org/jwm-the-new-face-of-hunting/>)
2021. Research roundup: researchers establish baseline indicators for muskrat health in pristine ecosystems (<https://vetmed.umn.edu/news/research-roundup-u-researchers-establish-baseline-indicators-muskrat-health-pristine-ecosystems>)
2021. The next generation of hunters could look different (<https://news.ncsu.edu/2021/05/the-next-generation-of-hunters-could-look-different/>)
2020. Scientists use modeling techniques to tease out coyote and fox population trends in Illinois (<https://blogs.illinois.edu/view/7447/1297240843>)
2019. US wildfowl hunters exhibit surprisingly poor ID skills (<https://www.birdguides.com/news/us-wildfowl-hunters-exhibit-surprisingly-poor-id-skills-study-finds/#>)
2019. Muskrats: a canary for the wetlands coal mine? (<https://furbearerconservation.com/blog/2019/7/1/muskrats-a-canary-for-the-wetlands-coal-mine>)
2018. Muskrats to the Rescue; *National Parks Magazine*, (Fall 2018 Issue; pages 24-25)
2018. Coverage of our KSU Backcountry Hunters & Anglers club and our involvement with R3 efforts ([https://www.backcountryhunters.org/collegiate\\_program\\_podcast](https://www.backcountryhunters.org/collegiate_program_podcast))
2018. Discussing public land access and hunter recruitment: (<https://www.eastmeetswesthunt.com/journal/ep-017-bha-collegiate-program-with-kansas-state-university>)
2017. Our study documenting widespread and long-term declines in muskrat populations (<http://wildlife.org/jwm-study-evidence-shows-muskrats-declining-in-u-s/>)
2017. Coverage of our article examining waterfowl hunters' knowledge about Federal duck stamp expenditures (<http://www.outdoornews.com/2017/06/26/one-third-illinois-waterfowl-hunters-aware-duck-stamps-purpose/>)
2017. 'Conservation Coursework for Ag Students'; Coverage of our article connecting agriculture, education and curriculum development, and biodiversity conservation: doi:10.2134/csa2017.62.0603

2017. Our collaborative urban wildlife project in National Geographic (<http://voices.nationalgeographic.com/2017/03/23/creation-of-a-national-urban-wildlife-monitoring-network-helps-build-wildlife-friendly-cities/>)
2016. Discussing issues in hunter recruitment and retention with the R3 Community (<https://soundcloud.com/r3-manager/ksus-wildlife-outdoors-enterprise-management-program-with-adam-ahlers>)
2016. WIBW News coverage of our Kansas Carnivore Project (<http://www.wibwnewsnow.com/kansas-carnivore-project-continues-k-state/>)
2015. The Wildlife Society’s coverage of our semiaquatic mammal disease research (<http://wildlife.org/cat-disease-detected-in-minks-and-muskrats/>)
2015. Science Daily’s coverage of our semiaquatic mammal disease research (<https://www.sciencedaily.com/releases/2015/01/150128131321.htm>)

#### **INVITED LECTURES AND PRESENTATIONS**

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2022. Michigan State University, Department of Fisheries and Wildlife, Lansing, MI; “Landscape-scale research to inform conservation and management of wetlands and wildlife”
2021. University of Arizona, School of Natural Resources and the Environment, Tucson, AZ; “Recovering a native rodent population to restore wetland ecosystems”
2020. Prairie Research Institute, Illinois Natural History Survey (Urbana, IL - virtual); “Can muskrats save a National Park?: A bold plan to restore wetlands & save an ecosystem” ([https://mediaspace.illinois.edu/media/t/1\\_10df566z](https://mediaspace.illinois.edu/media/t/1_10df566z))
2020. Hops n’ Profs (Discover Center, Manhattan, KS); “Can muskrats save a National Park?: A bold plan to restore wetlands & save an ecosystem” *\*Cancelled to reduce human transmission of COVID-19*
2019. Joint Southeast and Midwest Furbearer Conference (Enid, OK); “Muskrat, mink, and population cycles: investigating patterns in a classic predator-prey system”
2019. Emporia State University, Student Chapter of The Wildlife Society (Emporia, KS); “Mammal responses to landscape change”
2019. Society of Wetland Scientists Annual Meeting (Baltimore, MD); “Empirical evidence for declines in muskrat populations across the United States”
2019. Joint Southeast and Midwest Furbearer Conference (Enid, OK); “Assessing our current knowledge of muskrat populations and recommendations for future research and management” – Dr. Tim Hiller presenting
2019. Joint Southeast and Midwest Furbearer Conference (Enid, OK); “Assessing non-invasive survey techniques for semiaquatic mammals in lentic wetlands”
2019. Joint Southeast and Midwest Furbearer Conference (Enid, OK); “Survival and movements of post-translocated muskrats in a lacustrine ecosystem” – Ben Matykiewicz presenting



2018. Gamma Sigma Delta Fall 2018 Reception (Manhattan, KS); “Art and Science: creative teaching techniques can enhance student learning”
2018. The Wildlife Society 25<sup>th</sup> Annual Conference (Cleveland, OH); “The promise and potential impacts of R3 efforts targeting college students” – 6 coauthors, with Dr. Lincoln R. Larson presenting
2017. Upper Mississippi River Conservation Committee Meeting (Lake Pepin, WI); “Muskrat declines across the United States”
2017. Kansas State University Student Chapter of The Wildlife Society; “How student membership in The Wildlife Society can advance your professional career”
2016. Kansas Society of Farm Managers and Rural Appraisers Conference; “Developing a college curriculum to give KSU students an upper-hand in the outdoor enterprise industry”
2015. Kansas State University, Ecology and Evolutionary Biology Seminar; “Habitat selection, survival, and disease risk of semiaquatic mammals in a human-dominated landscape”
2015. Kansas State University, Department of Horticulture, Forestry and Recreation Resources Seminar; “Semiaquatic mammals in a human-dominated landscape”
2015. University of Illinois, Wildlife Population Ecology (NRES 407); “Climate change and wildlife populations”
2014. Eastern Illinois University, Fish and Wildlife Ecology Club; “Environmental change and semiaquatic mammals: insights from a classic predator-prey system”
2014. University of Illinois, Wildlife Population Ecology (NRES 407); “Climate change and wildlife populations”
2013. Eastern Illinois University; “Carnivore diversity and distributions”
2013. University of Illinois, Mammalogy (IB 462); “Mammals of Illinois”
2013. University of Illinois, Mammalogy (IB 462); “Mammal conservation”
2012. University of Illinois, Wildlife Population Ecology (NRES 407); “Harvest management”
2012. Morgan County Audubon Society; “Ecology of American mink”
2011. University of Illinois, Mammalogy (IB 462); “Mammal Conservation”
2011. Illinois Department of Natural Resources; “Survival and space use of muskrats”

**PRESENTATIONS (\*authors from my lab; † indicates teaching-related presentation)**

2023. Berrick CM, Windels SK, and Ahlers AA. Whose track is that? Interpreting animal sign in Voyageurs National Park to determine semi-aquatic mammal presence. Rainy-Lake of the Woods 2023 Watershed Forum. International Falls, MN.

2023. **Ahlers AA** and Miller CA. Characterizing trappers and their perceptions of changes in muskrat and mink populations. Kansas Natural Resources Conference. Manhattan, KS.
2023. Werdel TJ\*, Piper CW\*, Peek MS, Ricketts AM, and **Ahlers AA**. Landscape-scale effects structure carnivore communities in an agro-prairie ecosystem. Kansas Natural Resources Conference. Manhattan, KS.
2023. Werdel TJ\*, Piper CW\*, Peek MS, Ricketts AM, Sullins DS, and **Ahlers AA**. Strategic grassland conservation for swift foxes in multi-use landscapes. Kansas Natural Resources Conference. Manhattan, KS.
2023. Durbin CJ, Sullins DS, and **Ahlers AA**. Occupancy and abundance of northern raccoons as a function of woody cover. Kansas Natural Resources Conference. Manhattan, KS.
2023. Werdel TJ\*, Piper CW\*, Peek MM, Ricketts AM, Sullins DS, and **Ahlers AA**. Strategic grassland conservation for swift foxes in multi-use landscapes. Texas Chapter of The Wildlife Society. Hutson, TX.
2022. Hiller T, Boulerice J, **Ahlers AA**, Etter D, Dunton E, and Clark E. Regional declines of muskrat populations in the Great Lakes Basin: Progress and Plans. Midwest Furbearer Workshop. Chadron, NE.
2022. Palomo-Muñoz G\*, Werdel TJ\*, Piper CW\*, Fidno M, Ricketts AM, and **Ahlers AA**. Local-scale habitat structure mediates interactions between coyotes and lagomorphs. 101<sup>st</sup> Annual Meeting of the American Society of Mammalogists. Tucson, AZ.
2022. Armendariz L\*, Palomo-Muñoz G\*, and **Ahlers AA**. Raccoon and Virginia opossum activity at city parks in Manhattan. Developing Scholars Program Undergraduate Research Showcase. Manhattan, KS.
2022. Lancaster PA, Tang M, Presley D, Fick W, Doro L, Pendell DL, **Ahlers AA**, and Ricketts A. Outcomes of simulated combinations of rangeland management scenarios on soil and nutrient processes. American Society of Animal Science Meeting. Oklahoma City, OK.
2022. Haight JD, Hall J, Adalsteinsson SA, **Ahlers AA**, Angstmann J, Anthonysamy WJB, Biro E, Dugleby B, Fidino M, Gallo T, Green AM, Hartley L, Jordan MJ, Kay CAM, Lehrer EW, Long RAM, MacDougall, Magle SB, Minier D, Mowry C, Murray M, Nininger K, Pendergast ME, Ryan T, Salsbury C, Schell CJ, Sekercioglu C, Shier CJ, Simon KC, St. Clair CC, Stankowich T, Stevenson CJ, Will D, Williamson J, Wilson L, Zellmer J, and Lewis JS. Human-driven landscape changes and species traits shape mammal communities across North American ecoregions. Ecological Society of America annual meeting. Montréal, Québec, Canada.
2022. †**Ahlers AA**. Waterfowl and watercolors: enhancing undergraduate students' waterfowl identification skills. Biennial Conference on University Education in Natural Resources. Virtual.

2022. Haight JD, Hall J, Adalsteinsson SA, **Ahlers AA**, Angstmann J, Anthonysamy WJB, Biro E, Dugleby B, Fidino M, Gallo T, Green AM, Hartley L, Jordan MJ, Kay CAM, Lehrer EW, Long RAM, MacDougall, Magle SB, Minier D, Mowry C, Murray M, Nininger K, Pendergast ME, Ryan T, Salsbury C, Schell CJ, Sekercioglu C, Shier CJ, Simon KC, St. Clair CC, Stankowich T, Stevenson CJ, Will D, Williamson J, Wilson L, Zellmer J, and Lewis JS. Human-driven landscape changes and species traits shape mammal communities across North American ecoregions. International Association for Landscape Ecology – North American Chapter. Riverside, CA.
2021. Tang M, Lancaster PA, Pendell, Presley D, Fick W, **Ahlers AA**, and Ricketts A. Economic cost analysis of grazing strategies for beef production in Kansas. Midwest American Society of Animal Science. Virtual.
2021. Lancaster PA, Presley D, Fick W, Pendell D, **Ahlers AA**, Ricketts A, and Tang M. Net nutrient conversion of human-edible nutrients in the beef supply chain. Midwest American Society of Animal Science. Virtual.
2021. Werdel TJ\*, Piper CW\*, Ricketts AW, Peek MM, and **Ahlers AA**. Scale-specific effects predict habitat use by swift foxes at the edge of their range. The Wildlife Society 28th Annual Conference. Virtual.
2021. Matykiewicz BR\*, Windels SK, Olson BT, Plumb RT, Wolf TM, and **Ahlers AA**. Assessing translocation effects on the spatial ecology and survival of muskrats (*Ondatra zibethicus*). The Wildlife Society 28th Annual Conference. Virtual.
2021. **Ahlers AA**, Heske EJ, Miller MA, and Schooley RL. Terrestrial habitat use is risky for American mink in a highly modified landscape. The Wildlife Society 28th Annual Conference. Virtual.
2021. Piper CW\*, Werdel TJ\*, Peek MM, Ricketts AW, Sullins DS, and **Ahlers AA**. Landscape composition and proximity to water structure American badger (*Taxidea taxus*) distributions in shortgrass prairies. The Wildlife Society 28th Annual Conference. Virtual.
2021. Magle S, Fidino M, Sander HA, Rohnke AT, Larson KL, Kay CAM, Lehrer L, Murray MH, Adalsteinsson SA, **Ahlers AA**, Anthonysamy WJB, Gallo T, Gramza AR, Green AM, Jordan MJ, Lewis JS, Long RA, MacDougall B, Remine K, Simon KC, St. Clari CC, Stankowich T, Zellmer AJ, and Schell CJ. Wealth and urbanization shape wildlife communities across North America. The Wildlife Society 28th Annual Conference. Virtual.
2021. Werdel TJ\*, Piper CW\*, Ricketts AW, Peek MM, and **Ahlers AA**. Scale-specific effects predict habitat use by swift foxes at the edge of their range. Swift Fox Conservation Annual Meeting. Virtual.
2021. Werdel TJ\*, Piper CW\*, Ricketts AW, Peek MM, and **Ahlers AA**. Scale-specific effects predict habitat use by swift foxes at the edge of their range. Midwest Furbearer Meeting. Virtual.
2021. Piper CW\*, Werdel TJ\*, Peek MM, Ricketts AW, Sullins DS, and **Ahlers AA**. Landscape composition and proximity to water structure American badger

- (*Taxidea taxus*) distributions in shortgrass prairies. Midwest Furbearer Conference. Virtual.
2021. Bomske CM\*, Peek MM, and **Ahlers AA**. Wetland occupancy by muskrats is influenced by local habitat quality and presence of American mink. Midwest Furbearer Conference. Virtual.
2020. **Ahlers AA** and Davis GL. Undergraduate advising effects on other measures of academic success for tenure-track faculty. North American Colleges & Teachers of Agriculture Annual Conference. Las Cruces, NM. \*Cancelled to reduce human transmission of COVID-19
2020. Matykiewicz BR\*, Windels SK, Olson BT, Wolf TM, and **Ahlers AA**. Post-translocation survival and movements of muskrats in a lacustrine system. Minnesota Chapter of The Wildlife Society Annual Meeting. Willmar, MN.
2020. Windels SK, Matykiewicz BR\*, Wiley CL, Plumb RT, **Ahlers AA**. Do muskrats eat hybrid cattail? An experimental approach using feeding trials with wild-caught muskrats. Minnesota Chapter of The Wildlife Society Annual Meeting. Willmar, MN.
2020. Bomske CM\*, Peek M, and **Ahlers AA**. Wetland depth and size affect muskrat occupancy in remaining tallgrass prairie. Kansas Natural Resources Conference. Manhattan, KS.
2020. Werdel TJ\*, Ricketts AW, Peek M, and **Ahlers AA**. Landscape effects on site colonization and extinction of swift fox in western Kansas. Kansas Natural Resources Conference. Manhattan, KS.
2020. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Cross-scale interactions shape the spatial distribution of a wetland-obligate species. Kansas Natural Resources Conference. Manhattan, KS.
2020. Matykiewicz BR\*, Windels SK, Olson BT, Wolf TM, and **Ahlers AA**. Post-translocation survival and movements of muskrats in a lacustrine system. Kansas Natural Resources Conference. Manhattan, KS.
2020. Moorberg CJ and **Ahlers AA**. An experimental test to inform cattail management at Cheyenne Bottoms Wildlife Area. Kansas Natural Resources Conference. Manhattan, KS.
2019. Aarrestad O, Matykiewicz B\*, Windels S, **Ahlers AA**, Wolf T. Characterizing the health of a translocated population of muskrats (*Ondatra zibethicus*) in northern Minnesota. Points of Pride Research Day. St. Paul, MN.
2019. Vayer V, Larson L, Lee KJ, Peterson N, **Ahlers AA**, Sharp R, Irwin K, Woosnam K, Keith S, Farmer J, Metcalf E, Van Deelen T, Anhalt-Depies C, Bruskotter J, Stedman R, Siemer W, Rodriguez S, Springer M, Graefe A, Mueller T, Kelly M, Winkler R, Romulo C, and Quartuch M. Cultivating college students' non-traditional pathways into hunting. Pathways: Human Dimensions of Wildlife Conference. Estes Park, CO.

2019. Werdel TJ\*, Ricketts AW, Peek MA, and **Ahlers AA**. Carnivore richness and diversity is driven by landscape change in shortgrass prairie ecosystems. The Wildlife Society 26th Annual Conference. Reno, NV.
2019. **Ahlers AA** and Miller CA. Waterfowl hunters have imperfect identification skills. Central Mountains & Plains Section of The Wildlife Society Annual Meeting. Bismarck, ND. (*Awarded Natural Resource Communication Award, Best Professional Paper*)
2019. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Cross-scale interactions shape the spatial distribution of a wetland-obligate species. Central Mountains & Plains Section of The Wildlife Society Annual Meeting. Bismarck, ND.
2019. Aarrestad O, Matykiewicz B\*, Windels S, **Ahlers AA**, Wolf T. Characterizing the health of a translocated population of muskrats (*Ondatra zibethicus*) in northern Minnesota. National Veterinary Scholars Symposium. Worcester, MA.
2019. Werdel TJ\*, Ricketts AW, Peek MA, and **Ahlers AA**. Carnivore richness and diversity is driven by landscape change in shortgrass prairie ecosystems. 99<sup>th</sup> Annual Meeting of the American Society of Mammalogists. Washington, DC.
2019. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Cross-scale interactions shape the spatial distribution of a wetland-obligate species. 99<sup>th</sup> Annual Meeting of the American Society of Mammalogists. Washington, DC.
2019. **Ahlers AA** and Heske EJ. Empirical evidence for declines in muskrat populations across the United States. Society of Wetland Scientists Annual Meeting. Baltimore, MD.
2019. Matykiewicz BR\*, Windels SK, Olson BT, Wolf TM, and **Ahlers AA**. Testing the effectiveness of muskrats as a native biocontrol of invasive hybrid cattails. Minnesota Chapter of The Wildlife Society Annual Meeting. Duluth, MN.
2019. **Ahlers AA**, Lyons TP, and Heske EJ. Muskrat, mink, and population cycles: investigating patterns in a classic predator-prey system. Joint Southeast and Midwest Furbearer Conference. Enid, OK.
2019. Werdel TJ\*, Ricketts AW, Peek MA, and **Ahlers AA**. Landscape effects on swift fox occupancy in western Kansas. Joint Southeast and Midwest Furbearer Conference. Enid, OK.
2019. Hiller TL and **Ahlers AA**. Assessing our current knowledge of muskrat populations and recommendations for future research and management. Joint Southeast and Midwest Furbearer Conference. Enid, OK.
2019. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Assessing non-invasive survey techniques for semiaquatic mammals in lentic wetlands. Joint Southeast and Midwest Furbearer Conference. Enid, OK.
2019. Matykiewicz BR\*, Windels SK, Olson BT, Wolf TM, and **Ahlers AA**. Survival and movements of post-translocated muskrats in a lacustrine ecosystem. Joint Southeast and Midwest Furbearer Conference. Enid, OK.

2019. Vayer V, Larson L, Choi D, Lee KJ, Peterson MN, **Ahlers AA**, Sharp R, Irwin K, Woosnam K, Keith S, Farmer J, Metcalf E, Van Deelen T, Anhalt-Depies C, Bruskotter J, Stedman R, Siemer W, Rodriguez S, Springer M, Graefe A, Mueller T, Kelly M, Winkler R, Romulo C, and Quartuch M. A changing face for hunting?: Insights from college campuses across the United States. National Environmental and Recreation Research Conference. Annapolis, MD.
2019. Larson L, Vayer V, Lee KJ, Peterson N, **Ahlers AA**, Sharp R, Irwin K, Woosnam K, Keith S, Farmer J, Metcalf E, Van Deelen T, Anhalt-Depies C, Bruskotter J, Stedman R, Siemer W, Rodriguez S, Springer M, Graefe A, Mueller T, Kelly M, Winkler R, Romulo C, and Quartuch M. The conservation funding crisis: what solutions do college students support? National Environmental and Recreation Research Conference. Annapolis, MD.
2019. Werdel TJ\*, Ricketts AW, and **Ahlers AA**. Landscape effects on carnivore communities in a shortgrass prairie ecosystem. Kansas Natural Resources Conference. Manhattan, KS.
2019. Matykiewicz BR\*, Windels SK, Olson BT, Wolf TM, and **Ahlers AA**. Testing the effectiveness of muskrats as a native biocontrol of invasive hybrid cattails. Kansas Natural Resources Conference. Manhattan, KS.
2019. **Ahlers AA** and Miller CA. Waterfowl hunters have imperfect identification skills. Kansas Natural Resources Conference. Manhattan, KS.
2018. Bomske C\* and **Ahlers AA**. Landscape effects on habitat occupancy of muskrats embedded in a tallgrass ecosystem. The Wildlife Society 25<sup>th</sup> Annual Conference. Cleveland, OH.
2018. Matykiewicz BR\*, Windels SK, Olson BT, WolffTM, and **Ahlers AA**. Can muskrats be an effective biocontrol for invasive hybrid cattails? The Wildlife Society 25<sup>th</sup> Annual Conference. Cleveland, OH.
2018. Werdel T\* and **Ahlers AA**. Assessing changes in the spatial distribution of swift fox in western Kansas. The Wildlife Society 25<sup>th</sup> Annual Conference. Cleveland, OH.
2018. Vayer V, Larson L, Lee KJ, Peterson MN, Sharp R, **Ahlers AA**, Stedman R, Siemer W, Irwin K, Woosman K, Keith S, Farmer J, Van Deelen T, Anhalt-Depies C, Bruskotter J, Metcalf E, Springer M, Graefe A, Rodriguez S, Kelly M, Winkler R, Romulo C, and Quartuch M. Hunting and fishing participation among college students: implications for conservation. The Wildlife Society 25<sup>th</sup> Annual Conference. Cleveland, OH.
2018. Miller CA and **Ahlers AA**. Hunters as citizen-scientists: The case of archery deer hunters in Illinois, U.S.A. Pathways Conference. Goslar, Germany.
2018. **Ahlers AA** and Miller CA. Waterfowl hunters have imperfect identification skills. Pathways Conference. Goslar, Germany.
2018. Magle SB, Fidino M, Lehrer EW, Gallo T, Rios MJ, Mulligan MP, **Ahlers AA**, Angstmann J, Salsbury C, Ryan T, Hartley L, Schell C, Gramza A, Belaire A, Dugelby B, Simon K, Drake D, Sander H, and MacDougall B. Advancing urban

wildlife research through a multi-city collaboration. Ecological Society of America Annual Meeting. New Orleans, LA.

2018. Magle SB, Fidino M, Lehrer EW, Gallo T, Rios MJ, Mulligan MP, **Ahlers AA**, Angstmann J, Salsbury C, Ryan T, Hartley L, Schell C, Gramza A, Belaire A, Dugelby B, Simon K, Drake D, Sander H, and MacDougall B. Urban wildlife information network (UWIN): a multi-city approach to urban wildlife research. 98<sup>th</sup> Annual Meeting of the American Society of Mammalogists. Manhattan, KS.
2018. †**Ahlers AA**. Waterfowl and watercolors: enhancing undergraduate students' waterfowl identification skills. North American Colleges & Teachers of Agriculture Annual Conference. Ames, IA.
2018. Wesche S\*, O'Neal BJ, Windels SK, Olson BT, Larreur MR\*, and **Ahlers AA**. Influence of invasive hybrid cattails on habitat use by common loons. Annual Conference of the Indiana Chapter of The Wildlife Society, Lafayette, IN.
2018. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Assessing non-invasive survey techniques for semiaquatic mammals in lentic wetlands. Central Mountains & Plains Section of The Wildlife Society Annual Meeting. Kearney, NE. (*2<sup>nd</sup> place, best student poster presentation*)
2018. †**Ahlers AA**. Waterfowl and watercolors: enhancing undergraduate students' waterfowl identification skills. Kansas Natural Resources Conference. Manhattan, KS.
2018. Wait KR\* and **Ahlers AA**. Virginia opossum distributions are influenced by non-native landscapes and water availability. Kansas Natural Resources Conference. Manhattan, KS.
2018. Wesche S\*, O'Neal BJ, Windels SK, Olson BT, Larreur MR\*, and **Ahlers AA**. Influence of invasive hybrid cattails on habitat use by common loons. Kansas Natural Resources Conference. Manhattan, KS.
2018. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Quantifying the impacts of invasive hybrid cattails on the spatial distribution of semiaquatic mammals. Kansas Natural Resources Conference. Manhattan, KS.
2018. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Assessing non-invasive survey techniques for semiaquatic mammals in lentic wetlands. Kansas Natural Resources Conference. Manhattan, KS (*awarded best student poster presentation*).
2017. Stayton B, Larson LR, Sharp RL, and **Ahlers AA**. College students' beliefs about conservation: implications for the future. Pathways Conference. Estes Park, CO.
2017. **Ahlers AA** and Heske EJ. Empirical evidence for declines in muskrat populations across the United States. Midwest Furbearer Workshop. Decorah, IA.
2017. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Quantifying the impacts of invasive hybrid cattails on the spatial distribution of muskrats. Midwest Furbearer Workshop. Decorah, IA.

2017. Wait KR\* and **Ahlers AA**. Urban land-use and prey availability affect carnivore distributions in a prairie ecosystem. Midwest Furbearer Workshop. Decorah, IA.
2017. †Sharp RL and **Ahlers AA**. Undergraduates' understanding of agricultural impacts on wildlife: a case for wildlife conservation education. North American Colleges & Teachers of Agriculture Annual Conference. West Lafayette, IN.
2017. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Quantifying the impacts of invasive hybrid cattails on the spatial distribution of muskrats. Kansas Natural Resources Conference. Wichita, KS.
2017. Wait KR\* and **Ahlers AA**. Urban land-use and prey availability affect carnivore distributions in a prairie ecosystem. Kansas Natural Resources Conference. Wichita, KS.
2016. Weiqiang Z\* and **Ahlers AA**. Assessing the role of habitat associations with extinction risk of Earth's mammal species. Central Plains Society of Mammalogists Annual Conference. Emporia, KS.
2016. Wait KR\* and **Ahlers AA**. Urban land-use and prey availability affect coyote (*Canis latrans*) distributions in a prairie ecosystem. Central Plains Society of Mammalogists Annual Conference. Emporia, KS.
2016. Larreur M\*, Windels SK, Olson BT, and **Ahlers AA**. Quantifying the impacts of invasive hybrid cattails on the spatial distribution of muskrats. Central Plains Society of Mammalogists Annual Conference. Emporia, KS.
2016. **Ahlers AA**, and Heske EJ. Empirical evidence for declines in muskrat (*Ondatra zibethicus*) populations across the United States. Central Plains Society of Mammalogists Annual Conference. Emporia, KS.
2016. Larreur M\*, Windels SK, and **Ahlers AA**. Quantifying the impacts of invasive hybrid cattails on the spatial distribution of muskrats. The Wildlife Society 23<sup>rd</sup> Annual Conference. Raleigh, NC.
2016. Wait KR\* and **Ahlers AA**. Does prey availability, competition, or land-use change affect carnivore distributions across urban land-use gradients? The Wildlife Society 23<sup>rd</sup> Annual Conference. Raleigh, NC.
2016. Wesche S\*, O'Neal BJ, Windels SK, and **Ahlers AA**. Assessing the effects of invasive hybrid cattails on the spatial distribution of common loon nesting sites. The Wildlife Society 23<sup>rd</sup> Annual Conference. Raleigh, NC.
2016. Stayton B, Larson LR, Sharp RL, and **Ahlers AA**. Hunting-related attitudes and behaviors of college students: implications for wildlife conservation. The Wildlife Society 23<sup>rd</sup> Annual Conference. Raleigh, NC.
2016. Stayton B, Larson LR, Sharp RL, and **Ahlers AA**. Colleges and universities: A promising "habitat" for hunter recruitment and retention? Southeastern Association of Fish & Wildlife Agencies 70<sup>th</sup> Annual Conference. Baton Rouge, LA.



2016. **Ahlers AA**, Heske EJ, and Miller CA. Economic influences on trapper participation and per capita harvest of muskrats. Midwest Furbearer Workshop. Ely, MN.
2016. LeFave MR\*, and **Ahlers AA**. Using harvest data to infer trends in canid population dynamics. Gamma Sigma Delta Undergraduate Research Showcase, Kansas State University. Manhattan, KS.
2016. Heske EJ, **Ahlers AA**, and Lyons TP. An examination of muskrat population dynamics in the U.S. based on harvest data. 96<sup>th</sup> Annual Meeting of the American Society of Mammalogists. Minneapolis, MN.
2016. **Ahlers AA**, Heske EJ, Lyons TP, and Miller CA. Does a decline in harvest of muskrats mean muskrat populations are declining? Maybe. Illinois Chapter of the Wildlife Society Annual Conference. Makanda, IL.
2016. Becker T, **Ahlers AA**, and Haukos DA. A retrospective surveillance study of avian disease outbreaks in Kansas. Kansas Natural Resources Conference. Wichita, KS.
2016. **Ahlers AA**, Heske EJ, and Miller CA. Economic influences on trapper participation and per capita harvest of muskrats. Kansas Natural Resources Conference. Wichita, KS.
2015. Becker T, **Ahlers AA**, and Haukos DA. A retrospective surveillance study on avian disease outbreaks in Kansas. Department of Horticulture, Forestry and Recreation Resources Graduate Student Presentation. Manhattan, KS.
2015. **Ahlers AA**, Schooley RL, and Heske EJ. Relating mortality patterns and habitat selection for American mink in a human-dominated landscape. Illinois Chapter of the Wildlife Society Annual Conference. Champaign, IL.
2015. Sutton NM, Heske EJ, and **Ahlers AA**. Higher park attendance lowers wariness towards humans by white-tailed deer. Illinois Chapter of the Wildlife Society Annual Conference. Champaign, IL.
2014. **Ahlers AA**, Mitchell MA, Dubey JP, Schooley RL, and Heske EJ. Human-modified watersheds concentrate *Toxoplasma gondii* in a freshwater ecosystem. 94<sup>th</sup> Annual Meeting of the American Society of Mammalogists. Oklahoma City, OK.
2014. Rodgers TW, Wolff PA, **Ahlers AA**, Schooley RL, and Heske EJ. Highlights from some recent research on ocelots, American mink, and muskrats. Illinois Chapter of the Wildlife Society Annual Conference. Springfield, IL.
2013. **Ahlers AA**, Wolff PA, Heske EJ, and Schooley RL. Regional precipitation predicts species' distributions: a potential effect of climate change. The 11<sup>th</sup> International Mammalogical Congress. Belfast, Ireland.
2013. **Ahlers AA**, Wolff PA, Heske EJ, and Schooley RL. Environmental change and habitat occupancy of semiaquatic mammals. Midwest Furbearer Workshop. Petersburg, IL.

2013. **Ahlers AA**, Wolff PA, Heske EJ, and Schooley RL. Environmental change and habitat occupancy of semiaquatic mammals: insights from the Midwest drought of 2012. 93<sup>rd</sup> Annual Meeting of the American Society of Mammalogists. Philadelphia, PA.
2013. **Ahlers AA**, Wolff PA, Heske EJ, and Schooley RL. A potential effect of climate change on semiaquatic mammals in agricultural regions of the Midwestern U. S. Illinois Chapter of the Wildlife Society Annual Conference. Peoria, IL.
2012. Heske EJ and **Ahlers AA**. Raccoon activity is predicted by local habitat in southern Illinois – not landscape. 73<sup>rd</sup> Annual Midwest Fish and Wildlife Conference. Wichita, KS.
2012. **Ahlers AA**, Wolff PA, Heske EJ, and Schooley RL. Environmental change and habitat occupancy of semiaquatic mammals: insights from the Midwest drought of 2012. 73<sup>rd</sup> Annual Midwest Fish and Wildlife Conference. Wichita, KS.
2012. **Ahlers AA**, Cotner LA, Schooley RL, and Heske EJ. Distribution of American mink in response to urbanization and prey availability. 92<sup>nd</sup> Annual Meeting of the American Society of Mammalogists. Reno, NV.
2010. **Ahlers AA**, Schooley RL, Heske EJ, and Mitchell MA. Effects of flooding and riparian buffers on survival of muskrats across a flashiness gradient. American Society of Mammalogists 2010 Annual Meeting. Laramie, WY.
2009. **Ahlers AA**, Heske EJ, Schooley RL, and Mitchell MA. Survival and cause-specific mortality of riparian muskrats along a flashiness gradient. 70<sup>th</sup> Annual Midwest Fish and Wildlife Conference. Springfield, IL.
2009. **Ahlers AA**, Heske EJ, Schooley RL, and Mitchell MA. Space use and linear home-range sizes of riparian muskrats in an agricultural landscape. American Society of Mammalogists 2009 Annual Meeting. Fairbanks, AK.
2009. **Ahlers AA**, Heske EJ, and Schooley RL. Linear home-ranges and space use of riparian muskrats. Illinois Chapter of The Wildlife Society Annual Conference. Sparta, IL.
2008. **Ahlers AA**, Ulrich M, Schooley RL, Heske EJ, and Levenson JM. Movement patterns and home-range sizes of riparian muskrats (*Ondatra zibethicus*) along a flashiness gradient. 69<sup>th</sup> Annual Midwest Fish and Wildlife Conference. Columbus, OH.