

# Auriel M.V. Fournier

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## Professional Appointments & Education

**Director** Forbes Biological Station June 2019-Present

**Associate Research Scientist** Feb 2024-Present

**Assistant Research Scientist** June 2019-Feb 2024

Illinois Natural History Survey, University of Illinois Urbana-Champaign

**Postdoctoral Researcher** - Mississippi State University - April 2017-May 2019

Dr. Mark Woodrey and Dr. Jim Lyons, Supervisors

Structured Decision Making To Facilitate Coordinated Avian Monitoring in the Gulf of Mexico  
Coordination of The Gulf of Mexico Avian Monitoring Network

**Ph.D. in Biological Sciences** - Arkansas Cooperative Fish & Wildlife Research Unit

2017 **University of Arkansas** - Dr. David G. Krementz, Adviser

Phenology, Habitat Use, and the Impacts of Wetland Management on Autumn Migrating Rails

**Bachelor of Science in Wildlife Ecology and Management** - Minor *Remote Sensing*

2011 **Michigan Technological University** Houghton, MI - Magna Cum Laude

## Professional Leadership

**First Vice President** Wilson Ornithological Society 2023-Present

**Technical Committee Co-Chair** Upper Mississippi River Great Lakes Joint Venture

## Peer-Reviewed Publications

39 peer reviewed journal articles, 8 student led, 21 first author

# graduate student

## undergraduate student

2024

Beach, CR #, Jacques, CN, Lancaster, JD, Osborne, DC, Yetter, AP, Cole, RA, Hagy, HM, **Fournier, AMV**. 2024. *Lessons learned from using wild-caught and captive-reared lesser scaup (*Aythya affinis*) in captive experiments* **Translational Animal Science** 10.1093/tas/txae076

Davis, O, Molano-Flores, B, Li, YW, Allen, ML, Mengelkoch, JM, Parkos, JJ, Porreca, AP, **Fournier, AMV**, Stodola, AP, Tiemann, J, Breid, J, Marcum, PB, Carroll-Cunningman, CJ, Janssen, ED, Ulaszek, EF, McIntyre, SM, Jog, S, Price, EPF, Nieset, J, Beveroth, T, Di Giovanni, A, Askren, RJ, Malanchuk, LJ, Duquette, JF, Dreslik, MJ, McElrath, TC, Taft, JB, Stodola, K, Malcom, J, Carter, A, Evansen, M, Gerber, L. 2024. *Tracking Species Recovery Status to Improve Endangered Species Act Decisions* **Conservation Science and Practice** 10.1111/csp2.13159

2023

Schmidt, SM #, **Fournier, AMV**, Osborn, JM, Benson, TJ. 2023 *Water Depth Influences Survival and Predator-Specific Patterns of Nest Loss in Three Secretive Marsh Bird Species* **Ecology and Evolution** 13:e10823.

Enwright, NM, Cheyney, WC, Evans, KO, Thurman, HR, Woodrey, MS, **Fournier, AMV**, Moon, JA, Levy, H, Cox, J, Kappes, PJ, Nyman, AJ, Pitchford, JL. 2023 *Mapping high marsh and salt pannes/flats along the northern Gulf of Mexico coast* **Geocarto International** doi: 10.1080/10106049.2023.2285354

Stantial, ML, Lawson, AJ, **Fournier, AMV**, Kappes, PJ, Kross, CS, Runge, MC, Woodrey, MS, Lyons, JE. 2023 *Qualitative value of information provides a transparent and repeatable method for identifying critical uncertainty* **Ecological Applications** doi: 10.1002/eap.2824

Kross, CS, Rohli, RV, Moon, JA, **Fournier, AMV**, Woodrey, MS, Nyman, JA. 2023. *Preferred atmospheric circulations associated with favorable prescribed burns in the Gulf of Mexico coast, USA* **Fire Ecology** doi: 10.1186/s42408-023-00169-4

Brewer, DE #, Gehring, TM, Garcia, MM, Shirkey, BT, Simpson, BW, **Fournier, AMV** 2023. King Rail home range and microhabitat characteristics in western Lake Erie coastal marshes **Ecology and Evolution** 13:310043 doi: 10.1002/ece3.10043

**Fournier, AMV**, Wilson, RR, Gleason, JS, Adams, EM, Brush, JM, Cooper, RJ, DeMaso, SJ, Driscoll, MJL, Frederick, PC, Jodice, PGR, Ottinger, MA, Reeves, DB, Seymour, MA, Sharuga, SM, Tirpak, JM, Vermillion, WG, Zenzal, TJ, Lyons, JE, Woodrey, MS. 2023. *Structured Decision Making To Prioritize Regional Bird Monitoring Needs* **INFORMS Journal on Applied Analytics** doi: 10.1287/inte.2022.1154

Enwright, NM, Cheney, WC, Evans, KO, Thurman, HR, Woodrey, MS, **Fournier, AMV**, Gesh, DB, Pitchford, JL, Stoker, JM, Medeiros, SC. 2023. *Elevation-based probabilistic mapping of irregularly flooded wetlands along the northern Gulf of Mexico coast* **Remote Sensing of Environment** 287:113451 doi: 10.1016/j.rse.2023.113451

**Fournier, AMV**, Bradshaw, TM, Hagy, HM, Shirkey, B. 2023. *To improve existing marsh bird survey protocols, we need to evaluate closure assumptions* **Wildlife Society Bulletin** 43:e1410 doi: 10.1002/wsb.1410  
2022

Askren #, RJ, Eichholz, MW, Sharp, CM, Washburn, BE, Beckerman, SF, Pullins, CK, **Fournier, AMV**, Vonbank, JA, Weegman, MD, Hagy, HM, Ward, MP. 2022. *Behavioral responses of Canada geese to winter harassment in the context of human-wildlife conflicts* **Wildlife Society Bulletin** e1384 doi: 10.1002/wsb.1384

Holiman, H ##, Kitaif, JC ##, **Fournier, AMV**, Iglay, RB, Woodrey, MS. *Using autonomous recording units to detect individual marsh birds in the Northern Gulf of Mexico.* **INHS Bulletin** 43:2022002. DOI: 10.21900/j.inhs.v43.866

Kitaif, JC ##, Holiman, H ##, **Fournier, AMV**, Iglay, RB, Woodrey, MS. 2022. *Trends in Rail Migration Arrival and Departure Times Using Long-Term Citizen Science Data from Mississippi, USA* **Waterbirds** 45:108-112 doi: 10.1675/063.045.0113

Stuber, EF, Robinson, O, Bjerre, E, Otto, Mk, Millsap, B, Zimmerman, G, Brasher, MG, Ringelman, KM, **Fournier, AMV**, Yetter, A, Isola, JE, Ruiz-Gutierrez, V. 2022 *The potential of semi-structured citizen science data as a supplement for conservation decision-making: Validating the performance of eBird against targeted avian monitoring efforts* **Biological Conservation** doi:10.1016/j.biocon.2022.109556

Klimas, ST #, Osborn, JM, Yetter, AP, Lancaster, JD, Jacques, CN, **Fournier, AMV**, Hagy, HM. 2022. *Food selection by spring-migrating green-winged teal* **Journal of Fish and Wildlife Management** 13(1):155–16 doi:10.3996/JFWM-21-075

2021

**Fournier, AMV** 2021. *Vagrancy Occurrences in Sora (Porzana Carolina)* **Waterbirds** 44:539-543 doi: 10.1675/063.044.0414

Butler, CJ, **Fournier, AMV**, Wilson, JK. 2021 *Estimates of breeding season location for 4 mesic prairie bird species wintering along the Gulf Coast* **Wilson Journal of Ornithology** 133:177-189 doi:10.1676/19-00151

**Fournier, AMV**, Wilson, RR, Lyons, JE, Gleason, JS, Adams, EM, Barnhill, LM, Brush, JM, Cooper, RJ, DeMaso, SJ, Driscoll, MJL, Eaton, MJ, Frederick, PC, Just, MG, Seymour, MA, Tirpak, JM, and Woodrey,

MS, 2021 *Structured decision making and optimal bird monitoring in the northern Gulf of Mexico* **U.S. Geological Survey Open-File Report** 2020-1122, 62 p. doi:10.3133/ofr20201122.

**Fournier, AMV**, Lancaster, JD, Yetter, AP, Hine, CS, Beckerman, T, Figge, J, Gioe, A, Greider, M, Jen, D, Johnson, C, Larreur, M, Shaw, A, Wolter, K, Wood, M, Wu, D, O'Neal, B, Hagy, HM. 2021 *Nest success and nest-site selection of wetland birds in a restored wetland system* **Avian Conservation and Ecology** 16:6. doi:10.5751/ACE-01782-160106

Saunders, SP, Wu, JX, Adams, E, Bateman, B, Bayard, T, Beilke, S, Dayer, A, **Fournier, AMV**, Fox, K, Gow, EA, Heglund, P, Lerman, SB, Michel, NL, Paxton, E, CekercioAlu, AH, Smith, MA, Thogmartin, W, Woodrey, MS, van Riper, C. 2021 *Bridging the research-implementation gap in avian conservation with translational ecology*. **Ornithological Applications** (formerly The Condor) doi:10.1093/ornithapp/duab018

Honorable Mention for American Ornithological Society Harry R. Painton Award

2020

Bradshaw, TM #, Blake-Bradshaw, AG, **Fournier, AMV**, Lancaster, JD, O'Connell, J, Jacques, CN, Eicholtz, MW, Hagy, HM. 2020 *Marsh bird occupancy of wetlands managed for waterfowl in the Midwestern USA* **PLoS ONE** 15(2): e0228980, doi:10.1371/journal.pone.0228980

2019

**Fournier, A.M.V.**, Bond, A.L., Holford, A, Leighton, M. 2019 *Unpaid work and access to science professions* **PLoS ONE** 14:e0217032. doi:10.1371/journal.pone.0217032

Drymon, JM, Feldheim, K, **Fournier, AMV**, Seubert, E, Jefferson, A, Kroetz, A, Powers S. 2019 *Tiger sharks eat songbirds: scavenging a windfall of nutrients from the sky* **Ecology** 100:e02728 doi:10.1002/ecy.2728

Drymon, JM, Feldheim, K, **Fournier, AMV**, Seubert, E, Jefferson, A, Kroetz, A, Powers S. 2019 *Tiger sharks eat songbirds: Reply* **Ecology** 100:e02870 doi:10.1002/ecy.2870

**Fournier, AMV**, Eulinger, K, McDaniel, T, Calvert, G. 2019 *Juvenile King Rail (*Rallus elegans*) in stomach of American Bullfrog (*Lithobates catesbeianus*)* **Herpetological Review** 50:338

**Fournier, AMV**, White, ER, Heard, SB. 2019 *Site-selection bias can drive apparent population declines in long-term studies* **Conservation Biology** 33:1370-1379 doi:10.1111/cobi.13371

**Fournier, AMV**, Mengel, DC, Gbur, E, Raedeke, A, Krementz, D.G. 2019 *Evaluating tradeoffs in the response of Sora and waterfowl to the timing of early autumn wetland inundation* **Waterbirds** 42:168-178 doi:10.1675/063.042.0203

Won 2020 BioOne Ambassador Award

Ward, S, **Fournier, AMV**, Bond, AL. 2019 *Assessing gaps in reporting non-target mortality in island rodent eradication operations* **Biological Invasions** 21:3101-3108 doi:10.1007/s10530-019-02032-7

**Fournier, AMV**, Shave, A, Fischer, J, Siegrist, J, Ray, J, Chesky, T, MacIntosh, M, Fraser, K. 2019 *Precise direct tracking and remote sensing reveal the use of forest islands as roost sites by Purple Martins during migration* **Journal of Field Ornithology** 90:258-265 doi:10.1111/jfo.12298

2018

**Fournier, AMV**, Krementz, DG. 2018 *Confirmation of diving and swimming behavior in the Sora (*Porzana carolina*)* **Wilson Journal of Ornithology** 130:778-780 doi:10.1676/17-046.1

**Fournier, AMV**, Mengel, DC, Krementz, DG. 2018 *Sora (*Porzana carolina*) autumn migration habitat use*. **Royal Society Open Science**. 5: 171664. doi:10.1098/rsos.171664

2017

**Fournier, AMV**, Mengel, DC, Gbur, EE, Krementz, DG. 2017 *The timing of autumn Sora (*Porzana carolina*) migration in Missouri* **Wilson Journal of Ornithology** 129:675-770 doi:10.1676/16-108.1

**Fournier, AMV**, Mengel, DC, Kremetz, DG. 2017 *Virginia and Yellow Rail autumn migration ecology: synthesis using multiple data sets* **Animal Migration** 4:15-22 doi:10.1515/ami-2017-0003

**Fournier, AMV**, Drake, KL, Tozer, DC. 2017 *Using citizen science monitoring data in species distribution models to inform isotopic assignment of migratory connectivity in wetland birds* **Journal of Avian Biology** 48: 1556-1562 doi:10.1111/jav.01273

**Fournier, AMV**, Kremetz, DG. 2017 *Nocturnal distance sampling all-terrain vehicle surveys for non-breeding rails* **The Wildlife Society Bulletin** 41:151-156 doi:10.1002/wsb.745

**Fournier, AMV**, Sullivan, A, Bump, J, Perkins, M, Shieldcastle, MC, King, S. 2017 *Combining citizen science species distribution models and stable isotopes reveals migratory connectivity in the secretive Virginia rail* **Journal of Applied Ecology** 54:618-627 doi:10.1111/1365-2664.12723

2016

**Fournier, AMV**, Welsh, KJ, Polito, M, Emslie, S, Brasso, R. 2016 *Levels of mercury in feathers of Clapper Rails over 45 Years in coastal salt marshes of New Hanover county, North Carolina* **Bulletin of Environmental Contamination & Toxicology** 97:469-473 doi:10.1007/s00128-016-1870-z

2015

**Fournier, AMV**, Shieldcastle, MC, Kashmer, T, Mylecraine, KA. 2015 *Comparison of arrival dates of spring rail migration in the southwest Lake Erie Marshes, Ohio, USA.* **Waterbirds** 38: 312-314 doi: 10.1675/063.038.0313

**Fournier, AMV**, Bond, AL. 2015 *Volunteer field staff are bad for wildlife ecology* **The Wildlife Society Bulletin** 39: 819-821 doi:10.1002/wsb.603

2013

**Fournier, AMV**, Shieldcastle, MC, Fries, AC, and Bump, JK. 2013 *A morphometric model to predict the sex of virginia rails* **The Wildlife Society Bulletin** 27: 881-886 doi:10.1002/wsb.323

## Book Chapters

Wilson, RR, **Fournier, AMV**, Gleason, JS, Lyons, JE, Woodrey, MS (Editors). 2019 *Strategic Bird Monitoring Guidelines for the Northern Gulf of Mexico*. Mississippi Agricultural and Forestry Experiment Station Research Bulletin 1228, Mississippi State University, Mississippi State, MS. USA. 324 Pages. pdf

Wilson, RR, Woodrey, MS, **Fournier, AMV**, Gleason, JS, Lyons, JE. 2019 *Why Strategic Bird Monitoring Guidelines for the Gulf of Mexico?* Pages 1-14 in Wilson, RR, **Fournier, AMV**, Gleason, JS, Lyons, JE, Woodrey, MS (Editors). 2019. *Strategic Bird Monitoring Guidelines for the Northern Gulf of Mexico*. Mississippi Agricultural and Forestry Experiment Station Research Bulletin 1228, Mississippi State University, Mississippi State, MS. USA. 324 Pages. pdf

**Fournier, AMV**, Woodrey, MS, Wilson, RR, Sharuga, SM, Reeves, DB. 2019 *Challenges, opportunities, and stakeholder values*. Pages 15-24 in Wilson, RR, **Fournier, AMV**, Gleason, JS, Lyons, JE, Woodrey, MS (Editors). 2019. *Strategic Bird Monitoring Guidelines for the Northern Gulf of Mexico*. Mississippi Agricultural and Forestry Experiment Station Research Bulletin 1228, Mississippi State University, Mississippi State, MS. USA. 324 Pages. pdf

Woodrey, MS, **Fournier, AMV**, Cooper, RJ. 2019. *GoMAMN Strategic Bird Monitoring Guidelines: Marsh Birds* Pages 71-96 in Wilson, RR, **Fournier, AMV**, Gleason, JS, Lyons, JE, Woodrey, MS (Editors). 2019 *Strategic Bird Monitoring Guidelines for the Northern Gulf of Mexico*. Mississippi Agricultural and Forestry Experiment Station Research Bulletin 1228, Mississippi State University, Mississippi State, MS. USA. 324 Pages. pdf

Adams, EM, **Fournier, AMV**, Woodrey, MS. 2019. *Integration and collaboration across the Gulf of Mexico* Pages 297-306 in Wilson, RR, **Fournier, AMV**, Gleason, JS, Lyons, JE, Woodrey, MS (Editors). 2019 *Strategic Bird Monitoring Guidelines for the Northern Gulf of Mexico*. Mississippi Agricultural and Forestry

Experiment Station Research Bulletin 1228, Mississippi State University, Mississippi State, MS. USA. 324 Pages. pdf

## Popular Press

Bahlai, CA, Bartlett, LJ, Burgio, KR, **Fournier, AMV**, Keiser, CN, Poisot, T, Stack Whitney, K. 2019 *Open Science Isn't Always Open To All Scientists* The American Scientist.

Yannuzzi, S, Beach, C, Kemink, K, **Fournier, AMV**, Ellis-Felege, S. 2023 Fowl Women: Often unsung, women have made multifaceted contributions to waterfowl conservation. The Wildlife Professional 17:4

## Book Review

**Fournier, AMV** 2019 *A Season on the Wind: Inside the World of Spring Migration* **Journal of Field Ornithology** 90:391-392 10.1111/jof.12317

## Software

**Fournier, AMV**, Boone, ME, Stevens, FR and Bruna, EM. 2020 refsplitr: Author name disambiguation, author georeferencing, and mapping of coauthorship networks with Web of Science data. version 1.0.0. <https://github.com/ropensci/refsplitr>

## Grants

### Current

2023-2028 - NOAA RESTORE Science **Co-PI** Evaluating efficacy of stewardship actions for vulnerable Gulf of Mexico coastal birds through co-production between scientists and resource managers 60k

2023-2026 - The Nature Conservancy **PI** Monitoring of Key Attributes and Indicators of Waterbirds at The Nature Conservancy's Emiquon Preserve 320k

2023-2024 - Illinois Department of Natural Resources **PI** Illinois Waterfowl Investigations FY24 560k

2023-2026 - Illinois Department of Natural Resources **Co-PI** Evaluating the Impacts of Trematodiasis on Lesser Scaup Migration and Breeding Efforts 248k

2022-2027 - USDA NRCS *Condition of Natural Resource Conservation Service Wetland Easements in Illinois* 582k

2019-2025 NOAA RESTORE Science, **PI**, Fire Effects in Gulf of Mexico Tidal Marshes: Historical Perspectives, Management, and Monitoring of Mottled Ducks and Black Rails and Other High Marsh Birds 3.9 million

### Completed

2023-2024 Illinois Dept Natural Resources **Co-PI** Ecology of non-breeding waterfowl in the Wabash River region 100k

2021-2024 Arkansas Game and Fish Commission, **PI**, King Rail Ecology 171k

2022-2024 Colorado Parks and Wildlife, **PI**, Black Rail Ecology in Colorado 160k

2020-2024 Florida Fish and Wildlife Conservation Commission, **PI**, True Metabolizable Energy of Southern Aquatic Waterfowl Foods 70k

2022-2023 - Illinois Department of Natural Resources **PI** Illinois Waterfowl Investigations FY23 560k

2022-2023 Illinois Dept Natural Resources **Co-PI** Ecology of non-breeding waterfowl in the Wabash River region 100k

2019-2023 The Nature Conservancy, **PI**, Monitoring of Key Attributes and Indicators of Waterbirds at The Nature Conservancy's Emiquon Preserve 167k

2019-2022 USFWS, **PI**, True Metabolizable Energy of Targeted and Unfavorable Seed Species in Waterfowl Management 59k

2020-2022 USFWS, **PI**, Energy value of common invasive plant species in managed wetlands on National Wildlife Refuges in the Southeast to waterfowl and potential dispersal of propagules through ingestion and gut passage 47k

2021-2022 Sea duck Joint Venture/USFWS, **Co-PI**, Monitoring of Non-Breeding Sea Ducks on the Great Lakes 44k

2018-2021 US Dept of Agriculture, **PI**, Condition of Natural Resources Conservation Service Wetland Easements in Illinois 120k

2020-2021 USFWS/Illinois DNR, **PI**, Illinois Waterfowl Surveys and Investigations (FY22) 560k

2021-2021 - The Nature Conservancy **PI** Marshbird community surveys at Midewin National Tallgrass Prairie 10k

2020-2021 USFWS/Illinois DNR, **PI**, Illinois Waterfowl Surveys and Investigations (FY21) 540k

2019-2020 USFWS/Illinois DNR, **Co-PI**, Illinois Waterfowl Surveys and Investigations (FY20) 540k

2020-2021 USFWS/Illinois DNR, **Co-PI**, Wetland Bird Conservation Assessment 300k

2020-2021 USFWS/Illinois DNR, **Co-PI**, Ecology of non-breeding waterfowl in the Wabash River region 100k

## Datasets

Enwright, NM, Cheney, WC, Evans, K, Thurman, HR, Woodrey, MS, **Fournier, AMV**, Bauer, A, Cox, J, Goehring, S, Hill, H, Hondrick, K, Kappes, P, Levy, H, Moon, J, Nyman, JA, Pitchford, J, Storey, D, Sukiennik, M, and Wilson, J. 2022 Mapping irregularly flooded wetlands, high marsh, and salt pannes/flats along the northern Gulf of Mexico coast: U.S. Geological Survey data release. doi: 10.5066/P9MLO26U.

Holiman, H, Kitaif, J.C., **Fournier, A.M.V.** Iglay, R., Woodrey, M.S. 2022. Estimating ability to detect secretive marsh birds over distance using autonomous recording units. University of Illinois at Urbana-Champaign. doi: 10.13012/B2IDB-4450613\_V1

**Fournier AMV**, Mengel DC, Kremetz DG. 2018 Data from: Sora (*Porzana carolina*) autumn migration habitat use. Dryad Digital Repository. doi: 10.5061/dryad.5n7t4

**Fournier AMV**, Drake KL, Tozer DC. 2017 Data from: Using citizen science monitoring data in species distribution models to inform isotopic assignment of migratory connectivity in wetland birds. Dryad Digital Repository. doi: 10.5061/dryad.nb11

**Fournier AMV**, Sullivan AR, Bump JK, Perkins M, Shieldcastle MC, King SL. 2016 Data from: Combining citizen science species distribution models and stable isotopes reveals migratory connectivity in the secretive Virginia rail. Dryad Digital Repository. doi: 10.5061/dryad.r4847

## Honors

2022 **Early Career Investigator Award** Prairie Research Institute, U Illinois Urbana Champaign

2021 **Certified Wildlife Biologist** The Wildlife Society

2021 **USFWS Regional Director's Honor Award for Conservation Partner**

2020 **BioOne Ambassador Award**

2019 **The Wildlife Society Leadership Institute Class of 2019**

2012-16 **Distinguished Doctoral Fellowship** - University of Arkansas

2018 **Elective Member** - American Ornithological Society

2016 **Distinguished Student Service Award** - The Wildlife Society U of Arkansas Student Chapter  
2015 **Associate Wildlife Biologist** The Wildlife Society  
2010 **Member of the Year** - The Wildlife Society Michigan Technological University Student Chapter  
2011 **Outstanding Senior in Wildlife Ecology and Management** - Michigan Technological University  
2009 **Woman of Promise** - School of Forest Resources and Envi. Science - Michigan Technological U

## Invited Presentations

2023

**Seminar** Illinois Natural History Survey

**Seminar** Western Illinois University

2022

**Invited Talk** The Biggest Week in American Birding Festival

**Seminar** University of Idaho

**Symposium Talk** Joint Aquatic Sciences Meeting

**Keynote** Inland Bird Banders Association Annual Conference

**Seminar** Illinois Wesleyan University

2021

**Seminar** NRES UIUC

**Invited Panelist** Society for Literature, Science and the Arts

2020

**Seminar** Southern Illinois University - Edwardsville

**Seminar** Northern Illinois University

**Invited Talk** Illinois Master Naturalist Conference

**Symposium Talk** The Wildlife Society Leadership Symposium

**Seminar** Southern Illinois University - Carbondale

**Seminar** Bios2 Fellows Program

**Invited Talk** Chicago Audubon Society

**Seminar** Dept of Interior Decision Science Webinar Series Recording Link

**Seminar** Bradley University

2019

**Seminar** East Carolina University

**Seminar** Clemson University

**Invited Talk** Whiting Forest Birding Festival

2018

**Seminar** University of Florida

**Keynote** Oklahoma Ornithological Society Spring Meeting

**Seminar** Wayne State University

**Symposium Talk** American Ornithological Society

**Seminar** Louisiana State University

**Seminar** Mississippi State University

**Seminar** University of Southern Mississippi

**Seminar** University of Delaware

**Seminar** Gettysburg College

**Seminar** Tulane University

2017

**Seminar** University of Montreal

**Seminar** Grand Bay National Estuarine Research Reserve

**Seminar** Royal Society for the Protection of Birds, Centre for Conservation Science, UK Headquarters

**Symposium Talk** International Association of Great Lake Researchers

**Seminar** Bird Studies Canada  
**Keynote** The Biggest Week in American Birding Festival  
**Seminar** Missouri State University

2016

**Keynote** Ohio Ornithological Society Annual Conference  
**Seminar** University of Toledo

2014

**Seminar** Arkansas Tech University

## Presentations

# graduate student mentee

2024

**Fournier, AMV** 130 years of Forbes Biological Station. 2024 Joint Meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

Osborn, JM, **Fournier, AMV**, Yetter, AP, Gilbert, A. Trends in Waterfowl and Habitat Restoration in the Illinois River Valley. 2024 Joint Meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

Schmit, JM#, **Fournier, AMV**, Roberts, CP, Rowe, KR. Migration and Breeding Ecology of King Rails in Arkansas. 2024 Joint Meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

Monopoli, L#, Benson, TJ, **Fournier, AMV**, Johnson, E, Kross, C, Lueck, J. Fire Effects on Breeding Marsh Bird Success with Implications for Eastern Black Rail. 2024 Joint Meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2024 NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. 9th North American Duck Symposium

Kross, CS, Rohli, RV, Moon, JA, **Fournier, AMV**, Woodrey, MS, Nyman, JA. 2024 Preferred Atmospheric Circulations Associated with Favorable Prescribed Burns in the Gulf of Mexico Coast, U.S.A. 9th North American Duck Symposium

Halligan, S, Schummer, M, Lavretsky, P, **Fournier, AMV**, Davis, B, Downs, C. 2024. Morphology and food intake rate of wild and game farm Mallards. 9th North American Duck Symposium.

Bradshaw, TM, Williams, MR, Hagy, HM, Lancaster, JD, Gilbert, AD, Kross, CS, Osborn, JM, Yetter, AP, **Fournier, AMV**. 2024 True Metabolizable Energy of Moist Soil Seed Species in Waterfowl Management within the Midwest. 9th North American Duck Symposium.

Henson, JR, Guerrero, AS, Osborne, DC, Bradshaw, TM, Hagy, HM, **Fournier, AMV**. 2024. Development of Blood Metabolite Index for Mallards. 9th North American Duck Symposium.

Beach, C#, Koop, J, **Fournier, AMV**. Effects of Surgically-Implanted GPS/GSM Transmitters on Captive Lesser Scaup (*Aythya Affinis*) Behavior and Breeding. 9th North American Duck Symposium.

Gilbert, AD, **Fournier, AMV**, Yetter, AP, Hine, CS, Osborn, JM, Kross, CS, Lancaster, JD. 2022. Postbreeding ecology of wood ducks in the Illinois River Valley. 9th North American Duck Symposium.

Dunham, K, Robinson, O, **Fournier, AMV**, Ringelman, R, Brasher, M. 2024. Application of eBird Data to Enhance Monitoring and Planning for Migratory Waterfowl 9th North American Duck Symposium.



**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2024 NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. 2024 Gulf of Mexico Conference

Evans, KO, Enwright, NM, Cheney, WC, Thurman, HR, **Fournier, AMV**, Woodrey, MS. 2024. Mapping High Marsh Systems across the Northern Gulf of Mexico. 2024 Gulf of Mexico Conference.

Stantial, M, Lawson, A, **Fournier, AMV**, Godar, A, Kross, C, Woodrey, MS, Lyons, J. 2024. Co-production of an Adaptive Management Framework for Prescribed Fire to Benefit Wildlife in Marsh Ecosystems of the Gulf of Mexico. 2024 Gulf of Mexico Conference.

2023

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward M. 2023 The Use of Motus Tracking System to Investigate the Migratory Behavior of Rails at a Local and Regional Scales. Midwest Fish and Wildlife Conference

**Fournier, AMV**, Bradshaw, TM, Kross, CS, Gilbert, AD, Osborn, JM. 2023 Fall Rail Migratory Timing and Stopover Duration in the Illinois River Valley. Midwest Fish and Wildlife Conference

Bradshaw, TM, Williams, MR, Hagy, HM, Lancaster, JD, Gilbert, AD, Kross, CS, Osborn, JM, Yetter, AP, **Fournier, AMV** 2023 True Metabolizable Energy of Moist Soil Seed Species in Waterfowl Management within the Midwest. Midwest Fish and Wildlife Conference

Kross, CS, Yetter, AP, Gilbert, AD, Osborn, JM, Hine, CS, Lancaster, JD, Hagy, HM, **Fournier, AMV** 2023 Survival of spring migrating green-winged teal and gadwall in the Illinois River Valley. Midwest Fish and Wildlife Conference

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward M. 2023 The Use of Motus Tracking System to Investigate the Migratory Behavior of Rails at a Local and Regional Scales. Wilson Ornithological Society Conference 2023

Beach, CR #, Koop, JAH, **Fournier, AMV**, 2023 Evaluating the Impacts of Trematodiasis on Lesser Scaup Migration and Breeding Efforts. Wilson Ornithological Society Conference 2023

Pietrunti, NF #, **Fournier, AMV**, Mateus-Pinilla, N, Nguyen, TH. 2023 Using Genotypic Methods to Assess Antimicrobial Resistance in the Fecal Microbiome of Resident Canada Geese (*Branta canadensis*). Wilson Ornithological Society Conference 2023

**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kappes, P, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2023 NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. Wilson Ornithological Society Conference 2023

Kross, CS, Rohli, RV, Moon, JA, **Fournier, AMV**, Woodrey, MS, Nyman, JA. 2023 Preferred Atmospheric Circulations Associated with Favorable Prescribed Burns in the Gulf of Mexico Coast, U.S.A. Society of Wetland Scientists Conference.

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward M. 2023 Investigating spring migration timing and stopover duration of Sora and Virginia Rail using automated telemetry. AOS SCO-SOC Joint Conference 2023

Ward, M, Souza-Cole, I, Avara, M, Cremer, C, **Fournier, AMV**, Suckow, N, Vega-Reyes, F, Chapa-Vargas, L, Celis-Murillo, A, Stewart, S, Wotumslo, G. 2023 Activity patterns of birds as determined by automated radio telemetry: when, where and why birds become active. AOS SCO-SOC Joint Conference 2023

Monopoli, L #, Kross, CK, Johnson, E, Lueck, J, Benson, TJ, **Fournier, AMV**. 2023. Fire Effects on Breeding Marsh Bird Success with Implications for Eastern Black Rail. Waterbirds Society Conference 2023.

Hargett, E #, Benson, TJ, Rossi, L, **Fournier, AMV**. Abundance of Eastern Black Rails in southeastern Colorado. Waterbirds Society Conference 2023.

Schmit, J #, **Fournier, AMV**, Roberts, CP, Rowe, K. Breeding and migration ecology and distribution and abundance of Arkansas King Rails. Waterbirds Society Conference 2023.

2022

Schmidt, SM#, Benson, TJ, Fournier, AMV, Osborn, J. 2022. The Effects of Water Drawdowns on Marsh Bird Nest Survival. Midwest F&W Conference.

Kross, CS, Moon, J, Johnson, E, Conway, W, Kappes, P, Cox, J, Wilson, J, Woodrey, MS, Fournier, AMV. 2022. Comparison of Vegetation Metrics and Collection Effort and Call Types in Eastern Black Rail Response to Improve Species Detection. Midwest F&W Conference

Larson, L#, Anteau, M, Hagy, H, Lancaster, J, Yetter, A, Jacques, C, Fournier, AMV. 2022. Evaluating Dynamics of Food Availability for Lesser Scaup at Pools 13 and 19 of the Mississippi River. Midwest F&W

Bradshaw, TM, Williams, MR, Hagy, HM, Lancaster, JD,, Osborn, JM, Yetter, AP,, Fournier, AMV. 2022. True Metabolizable Energy of Targeted and Unfavorable Seed Species in Waterfowl Management. Midwest F&A

Beach, CR#, Cole, RA, Lancaster, JD, Yetter, AP, Jacques, CN, Hagy, HM, Fournier, AMV. 2022. Evaluation of Selected Physiological Responses to Sub-lethal *Cyathocotyle bushiensis* and *Sphaeridiotrema* spp. Experimental Infections in Captive Lesser Scaup (*Aythya affinis*). Midwest F&W

Bradshaw, TM, Matthew R. Williams, MR, Hagy, HM, Lancaster, JD, Gilbert, AD, Kross, CS, Osborn, JM, Yetter, AP, Fournier, AMV.\*\* 2022. True Metabolizable Energy of Targeted and Unfavorable Seed Species in Waterfowl Management within the Midwest. Illinois Chapter of The Wildlife Society Conference.

Beach, CR#, Cole, RA, Lancaster, JD, Yetter, AP, Jacques, DN, Hagy, HM, **Fournier, AMV**. 2022. Evaluation of Selected Physiological Responses to Sub-lethal *Cyathocotyle bushiensis* and *Sphaeridiotrema* spp. Experimental Infections in Captive Lesser Scaup (*Aythya affinis*). Illinois Chapter of The Wildlife Society Conference.

Stantial, ML, **Fournier, AMV**, Godar, AJ, Lawson, AJ, Kappes, PJ, Kross, CS, Woodrey, MS, Lyons, JE. 2022. Informing the use of prescribed fire in an adaptive mangament framework for Gulf of Mexico high marshes using an expert-based Bayesian Decision Network. The Gulf of Mexico Conference.

Kross, CS, Rohli, RV, Moon, JA, **Fournier, AMV**, Woodrey, MS, Nyman, JA. 2022. Weather is not a primary driver behind changes in prescribed fire management in coastal wetlands across the Gulf of Mexico. The Gulf of Mexico Conference.

**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kappes, P, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2022. NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. The Gulf of Mexico Conference.

Enwright, NM, Evans, KO, Cheney, WC, Thurman, HR, **Fournier, AMV**, Woodrey, MS. 2022. Mapping High Marsh Systems across the Northern Gulf of Mexico. The Gulf of Mexico Conference

**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kappes, P, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2022. NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. Joint Aquatic Sciences Meeting.

Enwright, NM, Evans, KO, Cheney, WC, Thurman, HR, **Fournier, AMV**, Woodrey, MS. 2022. Mapping High Marsh Systems across the Northern Gulf of Mexico. Joint Aquatic Sciences Meeting.

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward M. 2022. The Use of Motus Tracking System to Investigate the Migratory Behavior of Rails at a Local and Regional Scales. Winous Point Great Lakes Graduate Student Symposium

Hargett, N #, Rossi, L, Benson, TJ, **Fournier, AMV**, 2022. Ecology and Abundance of Eastern Black Rail in Southeastern Colorado. Winous Point Great Lakes Graduate Student Symposium

Beach, CR #, Koop, JAH, **Fournier, AMV**, 2022. Evaluating the Impacts of Trematodiasis on Lesser Scaup Migration and Breeding Efforts. Winous Point Great Lakes Graduate Student Symposium

Monopoli, L #, Benson, TJ, **Fournier, AMV**, 2022. Fire effects on breeding marsh birds in the Gulf of Mexico. Winous Point Great Lakes Graduate Student Symposium

Beach, CR #, Cole, RA, Lancaster, JD, Yetter, AP, Jacques, CN, Hagy, HM, **Fournier, AMV**. 2022. Evaluation of Selected Physiological Responses to Sub-lethal *Cyathocotyle bushiensis* and *Sphaeridiotrema* spp. Experimental Infections in Captive Lesser Scaup (*Aythya affinis*). Wilson Ornithological Society Conference

**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kappes, P, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2022. NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. Waterbirds Conference

Hargett, E #, Benson, TJ, Rossi, L, **Fournier, AMV**. 2022. Abundance of Eastern Black Rails in southeastern Colorado Waterbirds Conference

Monopoli, L #, Kross, C, Woodrey, M, Cox, J, Levy, H, Benson, TJ, **Fournier, AMV**. 2022. Fire effects on breeding marsh birds Waterbirds Conference

Schmit, J #, **Fournier, AMV**, Roberts, CP, Rowe, K. 2022. Breeding and migration ecology and distribution and abundance of Arkansas King Rails Waterbirds Conference

Bradshaw, TM, Williams, MR, Hagy, MH, Lancaster, JD, Gilbert, AD, Kross, CS, Osborn, JM, Yetter, AP, **Fournier, AMV**. True metabolizable energy of targeted and unfavorable seed species commonly seen in Tennessee waterfowl management areas. Lower Mississippi Valley Joint Venture Waterfowl Symposium

Gilbert, AD, **Fournier, AMV**, Yetter, AP, Hine, CS, Osborn, JM, Kross, CS, Lancaster, JD. 2022. Postbreeding ecology of wood ducks in the Illinois River Valley Lower Mississippi Valley Joint Venture Waterfowl Symposium

Henson, J, Bethell, J, Osborne, D, Bradshaw, TM, Hagy, H, **Fournier, AMV**. 2022. Development of blood metabolite index for mallards Lower Mississippi Valley Joint Venture Waterfowl Symposium

Robinson, OJ, Brasher, MG, Ringelman, KM, **Fournier, AMV**, Yetter, AP, Isola, JE, Ruiz-Gutierrez, V, Sauer, J, Silverman, E. 2022. Validation and use of citizen-science data for waterfowl management Lower Mississippi Valley Joint Venture Waterfowl Symposium

2021

**Fournier, AMV**, Bradshaw, T, Hagy, HM, Shirkey, B. 2021. Evaluating assumptions of the North American Marsh Bird Monitoring Protocol. Midwest Fish and Wildlife Conference.

**Fournier, AMV**, Williams, MR, Hagy, HM, Lancaster, JD, Osborn, JM, Yetter, AP. 2021. True Metabolizable Energy of Southern Aquatic Waterfowl Foods. Florida Fish and Wildlife Commission Research Symposium.

**Fournier, AMV** Motus: automated radio tracking of bird movements. The Emiquon Symposium.

**Fournier, AMV**, Holford, AJ, Bond, AL, Leighton, MA. 2021. Unpaid Work In STEM, Barriers and Examples of Improvement. Illinois Chapter of The Wildlife Society.

**Fournier, AMV**, Holford, AJ, Bond, AL, Leighton, MA. 2021. Unpaid Work In STEM, Barriers and Examples of Improvement. Northeast Natural History Conference.

Schmidt, SM #, Benson, TJ, **Fournier, AMV**, Osborn, JM 2021. Water Drawdowns and Survival of Marsh Bird Nests at Emiquon Preserve, IL. Wetland Science Conference.

Schmidt, SM #, Benson, TJ, **Fournier, AMV**, Osborn, JM 2021. Least Bittern Juvenile Movements and Habitat Use at Emiquon Preserve. Midwest Fish and Wildlife Conference

Schmidt, SM #, Benson, TJ, **Fournier, AMV**, Osborn, JM 2021. Water Drawdowns and Survival of Marsh Bird Nests at Emiquon Preserve. Midwest Fish and Wildlife Conference.

Schmidt, SM #, Benson, TJ, **Fournier, AMV**, Osborn, JM 2021. Predation Risk at Marsh Bird Nests as a Result of Wetland Management at Emiquon Preserve. DuPage Birding Club

Larson, LD #, Anteau, MJ, Hagy, HM, Lancaster, JD, Yetter, AP, Jacques, CN, **Fournier, AMV**. 2021. True metabolizable energy for lesser scaup. Illinois Chapter of The Wildlife Society.

Schmidt, SM #, Benson, TJ, **Fournier, AMV**, Osborn, JM. 2021. The effects of water drawdowns on marsh bird nest survival at Emiquon Preserve. Illinois Chapter of the Wildlife Society.

Kross, CS, Moon, J, Johnson, E, Conway, W, Kappes, P, Cox, J, Wilson, J, Woodrey, M, **Fournier, AMV**. 2021. Comparison of call types in Eastern Black Rail response in the Gulf of Mexico. Waterbirds.

**Fournier, AMV**, Adams, EM, Barron, T, Chimahusky, M, Cox, A, Driscoll, MJL, Dobbs, R, Gleason, JS, Grace, J, Green, C, Havens, H, Kalasz, K, Koczur, L, Lancaster, JD, Lyons, JE, Maness, T, Ottinger, MA, Schulz, J, Soehren, E, Stantial, M, Vermillion, WG, Williams, K, Wilson, RR, Woodrey, MS, Zenzal, TJ. 2021. The Gulf of Mexico Avian Monitoring Network (GoMAMN): a strategic plan for monitoring birds in the Gulf of Mexico and translating stakeholder values into priorities. Waterbirds

Kross, CS, Moon, J, Rohli, RV, *Fournier, AMV*, Woodrey, MS, Nyman, JA. 2021. Have preferred weather conditions for prescribed fire changed over time? The Wildlife Society - Black Rail Symposium

Stantial, ML, Lawson, AJ, *Fournier, AMV*, Kappes, P, Kross, C, Runge, MC, Woodrey, M, Lyons, JE. 2021 Application of qualitative value of information for identifying critical uncertainties regarding the use of prescribed fire in the Gulf of Mexico. The Wildlife Society Conference 2021

Stantial, ML, Lawson, AJ, *Fournier, AMV*, Kappes, P, Kross, C, Runge, MC, Woodrey, M, Lyons, JE. 2021 Application of qualitative value of information for identifying critical uncertainties regarding the use of prescribed fire in the Gulf of Mexico. AGU 2021

Evans, KO, Enwright, N, Cheney, WC, Thurman, HR, *Fournier, AMV*, Woodrey, M. 2021 Mapping U.S. Gulf of Mexico Coastal Estuarine High Marsh SYstems to Support Adaptive Management of Priority Bird Species. AGU 2021

**Fournier, AMV**, Williams, MR, Hagy, HM, Lancaster, JD, Osborn, JM, Yetter, AP. 2021 True Metabolizable Energy of Southern Aquatic Waterfowl Foods. Florida Research Symposium

2020

Beach, CR #, Cole, RA, Lancaster, JD, Yetter, AP, **Fournier, AMV**, Hagy, HM, Jacques, CN. 2020 Evaluating the Physiological Response of Sub-Lethal Infections of Trematodes in Captive Lesser Scaup. The Wildlife Society.

**Fournier, AMV**, Lancaster, JD, Yetter, A, Shaw, A, Greider, M, Wu, D, Beckerman, T, Gio, A, Wolter, K, Figge, J, Laureur, M, Wood, M, Johnson, C, Jen, D, O'Neal, B, Hagy, H. 2020 Wetland bird nest success, and nest site selection in a restored wetland system. Midwest Fish and Wildlife Conference

Yetter, AP, Hine, CS, Lancaster, JD, Gilbert, AD, Klimas, ST, Beach, CR, Osborn, JM, **Fournier, AMV**, Hagy, HM. 2020 Ecology of spring-migrating dabbling ducks in the Illinois River Valley. Midwest Fish and Wildlife Conference.

Yetter, AP, Hine, CS, Gilbert, AD, Osborn, JM, **Fournier, AMV**, Beach, CR, Klimas, ST. 2020 Ducks, Geese, and Coots - A quarter century summary of the Illinois River Valley. Midwest Fish and Wildlife Conference.

Gilbert, AD, **Fournier, AMV**, Yetter, AP, Hine, CS, Osborn, JM, Lancaster, JD, Klimas, ST, Beach, CR. 2020 Postbreeding ecology of wood ducks in the Illinois River Valley. Midwest Fish and Wildlife Conference

Klimas, ST, Osborn, JM, Osborne, DC, Lancaster, JD, Jacques, CN, Yetter, AP, **Fournier, AMV**, Hagy, HM. 2020 Body condition of spring-migrating green-winged teal. Annual Midwest Fish and Wildlife Conference 2019

**Fournier, AMV** Holford, AJ, Bond, AL, Leighton, MA. 2019 Unpaid work and access to science professions Assoc of Field Ornithologists/Wilson Ornithological Soc

Jodice, PGR, Adams, EM, Brush, JM, Cooper, RJ, DeMaso, SJ, Driscoll, MJL, Fredrick, PC, **Fournier, AMV**, Gleason, JS, Lyons, JE, Wilson, RR, Woodrey, MS. 2019 The Gulf of Mexico Avian Monitoring Network: Long-term and Large-scale Monitoring to Address Conservation Needs Joint Meeting of the American Fisheries Society and The Wildlife Society

**Fournier, AMV**, Lyons, JE, Wilson, RR, Gleason, JS, Adams, EM, Brush, JM, Cooper, RJ, DeMaso, SJ, Driscoll, MJL, Frederick, PC, Jodice, PGR, Reeves, DB, Seymour, MA, Sharuga, SM, Tirpak, JM, Vermillion, WG, Zenzal, TJ, Woodrey, MS. 2019 A strategic plan for monitoring birds in the gulf of mexico: translating stakeholder values into priorities. Joint Meeting of the American Fisheries Society and The Wildlife Society

Klimas, ST, Osborn, JM, Jacques, CN, Lancaster, JD, Yetter, AP, **Fournier, AMV**, Hagy, HM. 2019 Diet selection by green-winged teal during spring migration in Illinois. North American Duck Symposium 8

**Fournier, AMV**, Bradshaw, TM, Blake-Bradshaw, AG, Jacques CN, Lancaster, JD, Hagy, HM. 2019 Does wetland management for waterfowl increase marsh bird occupancy? North American Duck Symposium 8

Yetter AP, Hine, CS, Lancaster, JD, Gilbert, AD, Klimas, ST, Beach, CR, Osborn, JM, **Fournier, AMV**, Hagy, HM. 2019 Ecology of spring-migrating dabbling ducks in the Illinois River Valley North American Duck Symposium 8

Drymon, JM, Feldheim, K, **Fournier, AMV**, Seubert, E, Kroetz, A, Powers S. 2019 Tiger sharks eat passerines: exploring the prevalence of a unique cross-system subsidy. American Elasmobranch Society

Drymon, JM, Feldheim, K, **Fournier, AMV**, Seubert, E, Kroetz, A, Powers S. 2019 Tiger sharks eat passerines: exploring the prevalence of a unique cross-system subsidy. American Ornithological Society

**Fournier, AMV**, Lyons, JE, Wilson, RR, Gleason, JS, Adams, EM, Brush, JM, Cooper, RJ, DeMaso, SJ, Driscoll, MJL, Frederick, PC, Jodice, PGR, Reeves, DB, Seymour, MA, Sharuga, SM, Tirpak, JM, Vermillion, WG, Zenzal, TJ, Woodrey, MS. 2019 A strategic plan for monitoring birds in the gulf of mexico: translating stakeholder values into priorities. American Ornithological Society

Adams, EM, **Fournier, AMV**, Lyons, JE, Wilson, RR, Gleason, JS, Brush, JM, Cooper, RJ, DeMaso, SJ, Driscoll, MJL, Frederick, PC, Jodice, PGR, Reeves, DB, Seymour, MA, Sharuga, SM, Tirpak, JM, Vermillion, WG, Zenzal, TJ, Woodrey, MS. 2019 Using Structured Decision Making to Connect Bird Monitoring to Restoration Decision-making. American Ornithological Society

Drymon, JM, Feldheim, K, **Fournier, AMV**, Seubert, E, Kroetz, A, Powers S. 2019 Tiger sharks eat terrestrial songbirds: exploring the prevalence of a unique cross-system pulsed subsidy Southeastern Division American Fisheries Society

2018

Jodice, PGR, Woodrey, MS, **Fournier, AMV**. 2018 Movement Ecology of Seabirds: Multi-scale and Multi-taxa Approaches to Addressing Conservation Needs in the Gulf of Mexico Southeastern Association of Fish and Wildlife Agencies

**Fournier, AMV**, Lyons, JE, Adams, EA, Brush, J, Cooper, RJ, DeMaso, S, Driscoll, M, Frederick, P, Gleason, J, Wilson, RR, Tirpak, J, Woodrey, MS. 2018 Guiding coordinated bird monitoring decisions through structured decision making National Conference on Ecological Restoration

**Fournier, AMV**, Lyons, J, Cooper, RJ, Woodrey, MS. 2018 Prioritization of conservation actions through structured decision making Ecological Society of America

**Fournier, AMV**, Woodrey, MS, Wilson, RR, Gleason, J, Lyons, JE, Cooper, RJ, Tirpak, J. 2018 Coordinated Bird Monitoring With Decision Science SESYNC Boundary Spanning Symposium

[presenter] Woodrey, MS, **Fournier, AMV**, Wilson, RR, Gleason, J, Lyons, JE, Cooper, RJ, Tirpak, J. 2018 Application of structured decision making in the development of a Gulf of Mexico-wide avian monitoring program Assoc of Field Ornithologists/Wilson Ornithological Soc

[presenter] Ward, S, **Fournier, AMV**, Bond, AL. 2018 Rodent eradications on islands and their effect on rails (Rallidae) as non-target species Assoc of Field Ornith/Wilson Ornith Soc

**Fournier, AMV**, Lyons, JE, Adams, EM, Brush, J, Cooper, RJ, DeMaso, S, Driscoll, M, Frederick, P, Gleason, J, Wilson, R, Woodrey, MS. 2018 Guiding Coordinated Bird Monitoring Decisions Through Structured Decision Making. American Ornithological Society Meeting

Woodrey, MS, Cooper, RJ, Evans, KO, Iglay, R, Rush, SA, **Fournier, AMV**, Strange, T. 2018 Application of monitoring Best Management Practices to marsh restoration priorities to reduce uncertainty of marsh birds response American Ornithological Society Meeting

Adams, EM, **Fournier, AMV**, Lyons, JE, Woodrey, MS. 2018 Using a structured decision making framework to support large-scale inference. American Ornithological Society Meeting

Ray, JD, Fraser, KC, **Fournier, AMV**, Shave, A. 2018 Selection of island habitat by a Texas population of purple martin during the non-breeding season. 54rd Texas Chapter Wildlife Society

2017

**Fournier, AMV**, Woodrey, MS, Lyons, JE, Cooper, RJ, Evans, KE. 2017 Application of Structured Decision Making to Marshbird Monitoring in the Gulf of Mexico American Ornithological Society/Society of Canadian Ornithologists Meeting, East Lansing, MI

Heard, S, **Fournier, AMV**, Branch, T, Skelly, D. 2017 Why most studied populations should decline. Canadian Society for Ecology and Evolution

**Fournier, AMV**, Mengel, DC, Krementz, DG. 2017 Habitat Use and Migratory Timing of Virginia and Yellow Rails. Wilson Ornithological Society Meeting pdf link

2016

**Fournier, AMV**, Drake, KL, Tozer, DC, Krementz, DG. 2016 Migratory Connectivity of Sora, Virginia Rail and Yellow Rail. North American Ornithological Conference pdf link recording

**Fournier, AMV**. 2016 Building Collaboration and Community in Science Through Twitter. North American Ornithological Conference, Twitter for Scientists Workshop

**Fournier, AMV**, Mengel, DC, Krementz, DG. 2016 Habitat Use by Autumn Migrating Sora in the Mississippi Flyway Society of Wetland Scientists pdf link

2015

**Fournier, AMV**, Drake, KL. 2015 Active Capture of Rails During the Breeding Season and Fall Migration. Inland Bird Banders Association Meeting pdf link

**Fournier, AMV**, Sullivan, AR, Bump, JK, Perkins M, Shieldcastle, MC, King, SL. 2015 Combining Citizen Science Derived Species Distribution Models and Stable Isotope Analysis Reveals Migratory Connectivity in a Secretive Species, the Virginia Rail (*Rallus limicola*). American Ornithologists Union/Cooper Ornithological Society Meeting pdf link

**Fournier, AMV**, Mengel, DC, Krementz DG. 2015 Timing of Autumn Migration in the Mississippi Flyway by Rails. Association of Field Ornithologists Meeting pdf link

2014

**Fournier, AMV**, Krementz, DG. 2014 The Response of Fall Migrating Sora to Wetland Management. Arkansas State Chapter of the Wildlife Society Spring Meeting

2013

**Fournier, A.M.V.**, Kremetz, D.G., Mengel, D.C., Raedeke, A.H. 2013 Phenology, Habitat Use and Co-Occurrence of Fall Migrating Yellow Rails in Missouri. *Yellow Rail Virtual Symposium* USFWS

## Posters

# graduate mentees ## undergraduate mentees

2024

Cremer, CA#, **Fournier, AMV**, Ward, M, Avara, M. Investigating Spring Migration Timing and Stopover Duration of Sora and Virginia Rail in Central Illinois using the Motus Tracking Network. 2024 Illinois Chapter of the Wildlife Society. Cremer, CA#, **Fournier, AMV**, Ward, M, Avara, M. Investigating Spring Migration Timing and Stopover Duration of Sora and Virginia Rail in Central Illinois using the Motus Tracking Network. 2024 Joint meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

Blake-Bradshaw, AG, Bradshaw, TM, Gilbert, AD, Osborn, JM, Beilke, EA, Kross, CS, **Fournier, AMV**. Influence of hunting pressure on dabbling duck behavior and departure from an autumn stopover. 2024 Joint meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

Bradshaw, TM, Blake-Bradshaw, AG, Beilke, EA, Gilbert, AD, Kross, CS, Osborn, JM, **Fournier, AMV**. Testing the limits of Autonomous Recording Units (ARUs): A case study detecting waterfowl hunter shotgun shots in the Illinois River Valley. 2024 Joint meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

Gilbert, AD, Yetter, AP, Hine, CS, Osborn, JM, Kross, CS, Lancaster, JD, **Fournier, AMV**. Postbreeding Ecology of Wood Ducks in the Illinois River Valley. 2024 Joint meeting of the Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society.

2023

Pietrunti, NF #, **Fournier, AMV**, Mateus-Pinilla, N, Nguyen, TH. 2023 Using Genotypic Methods to Assess Antimicrobial Resistance in the Fecal Microbiome of Resident Canada Geese (*Branta canadensis*). Illinois Chapter of The Wildlife Society Meeting

Pietrunti, NF #, **Fournier, AMV**, Mateus-Pinilla, N, Nguyen, TH. 2023 Using Genotypic Methods to Assess Antimicrobial Resistance in the Fecal Microbiome of Resident Canada Geese (*Branta canadensis*). Midwest Fish and Wildlife Conference.

Hargett, E #, Benson, TJ, Rossi, L, **Fournier, AMV**. Abundance of Eastern Black Rails in southeastern Colorado. Wilson Ornithological Society Conference 2023

Schmit, J #, **Fournier, AMV**, Roberts, CP, Rowe, K. Breeding and migration ecology and distribution and abundance of Arkansas King Rails. Wilson Ornithological Society Conference 2023

2022

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward, MP. 2022 The Use of Motus Tracking System to Investigate the Migratory Behavior of Rails at a Local and Regional Scales. Midwest F&W

Gee, H, Shaw, M, Wallace, L, Bradshaw, TM, **Fournier, AMV**, Yetter, AP, Gilbert, AD, Osborn, JM, Lancaster, JD, Fournier, AMV. 2022 Blue-Winged Teal (*Spatula discors*) True Metabolizable Energy of Southern Wetland Foods. Midwest F&W

Thurman, HR, Enwright, NM, Evans, KO, Cheyney, WC, **Fournier, AMV**, Woodrey, MS. 2022 Mapping High Marsh Systems Across the Northern Gulf of Mexico. AAG Meeting

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward M. 2022 The Use of Motus Tracking System to Investigate the Migratory Behavior of Rails at a Local and Regional Scales. Illinois Chapter of The Wildlife Society Meeting

Pietrunti, NF #, **Fournier, AMV**, Mateus-Pinilla, N, Nguyen, TH. 2022 Using Genotypic Methods to Assess Antimicrobial Resistance in the Fecal Microbiome of Resident Canada Geese (*Branta canadensis*). Illinois Chapter of The Wildlife Society Meeting

Halligan, S, **Fournier, AMV**, Schummer, M, Lavretsky, P, Downes, C. 2022. Comparisons Of Morphology And Feeding Efficiency Between Wild And Game-Farm Mallards. Wilson Ornithological Society Conference.

Cremer, CA #, Avara, M, **Fournier, AMV**, Ward M. 2022. The Use of Motus Tracking System to Investigate the Migratory Behavior of Rails at a Local and Regional Scales. Wilson Ornithological Society Conference.

**Fournier, AMV**, Bauer, A, Brasher, M, Butler, C, Cheney, WC, Cooper, RJ, Conway, W, Cox, J, Enwright, NM, Evans, KO, Hondrick, K, Johnson, E, Kappes, P, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, JE, Monopoli, L, Moon, J, Nyman, JA, Rohli, R, Schwarzer, A, Soehren, E, Stantial, M, Thurman, HR, Vermillion, B, Wilson, J, Woodrey, MS. 2022. NOAA Firebird: Fire Effects in Gulf of Mexico Marshes on Mottled Ducks, Black and Yellow Rails. Wilson Ornithological Society Conference.

Hargett, E#, Benson, TJ, Rossi, L, **Fournier, AMV**,. 2022. Abundance of Eastern Black Rails in southeastern Colorado. Inland Bird Banding Association Conference.

**Fournier, AMV**, Brasher, M, Butler, C, Cheney, W, Cooper, R, Conway, W, Cox, J, Enwright, N, Evans, K, Hondrick, K, Johnson, E, Kappes, P, Kross, C, Lancaster, J, Levy, H, Lueck, J, Lyons, J, Monopoli, L, Moon, J, Nyman, A, Rohli, B, Schwarzer, A, Soehren, E, Stantial, M, Thurman, H, Vermillion, W, Wilson, J, Woodrey, MS. 2022. NOAA Firebird: fire effects in Gulf of Mexico marshes on mottled ducks, black and yellow rails Lower Mississippi Valley Joint Venture Waterfowl Symposium

2021

Cheney, W, Enwright, N, Evans, K, Thurman, H, **Fournier, AMV**, Woodrey, MS. 2021. Mapping High marsh Across the Northern Gulf of Mexico. CERF

2020

**Fournier, AMV**, Butler, C, Conway, W, Cooper, R, Cox, J, Enwright, N, Evans, K, Johnson, E, Lyons, J, Nyman, JA, Rohli, R, Woodrey, M. 2020 The effects of prescribed fire in Gulf of Mexico Marshes: on Mottled Ducks and Black and Yellow Rails. The Wildlife Society

**Fournier, AMV**, Shieldcastle MC. 2020 The timing and abundance of hawk migration along the southern shore of Lake Erie over 15 years. The Wildlife Society

2019

Shaw, AA, ##, Lancaster, JD, Yetter, AP, Hine, CN, **Fournier, AMV** 2019 Waterbird nesting ecology following hydrological manipulation of a historic Illinois River floodplain. NGRREC Symposium

2018

Holiman, H. ##, Kitaif, C. ##, **Fournier, AMV**, Iglay, RB, Woodrey, MS. 2018 Can automated recordingn units be used to count individual marsh birds? Bays and Bayous Conference

Kitaif, C. ##, Holiman, H. ##, **Fournier, AMV**, Iglay, RB, Woodrey, MS. 2018 Migratory timing of rails in Jackson County, MS Bays and Bayous Conference

2017

**Fournier, AMV**, Shieldcastle, MC, Kashmer, T, Mylecraine, KA. 2017 Comparison of Arrival Dates of Rail Migration in the Southwest Lake Erie Marshes, Ohio, USA International Association of Great Lakes Researchers Conference pdf

2014



**Fournier, AMV**, Krementz, DG, Mengel, DC, Raedeke, AH. 2014 Sora Migration and Wetland Management The Wildlife Society National Conference pdf

2013

**Fournier, AMV**, Krementz, DG, Mengel, DC, Raedeke, AH. 2013 Ecology of Fall Migrating Sora in Missouri. The Wildlife Society National Conference pdf

2011

**Fournier, AMV**, Sheildcastle, MC, Fries, AC, Bump, JK. 2011 Developing a morphometric model to predict the sex of Virginia Rails. The Wildlife Society National Conference pdf

**Fournier, AMV**, Roth, AM, Flaspohler, DJ, 2011 Assessing mechanisms for variation in the eyes of Golden-winged Warblers Ecosystem Science Center Poster Session pdf

2010

**Fournier, AMV**, Flaspohler, DJ, 2010 Habitat Classification and Biological Inventory of Pioneer Scout Reservation Undergraduate Research Expo

## Symposia Organized

2024

**Co-Organizer** “Managing a team with mental health in mind: clinical insights, current examples, and a community discussion of best paths forward.” 9th North American Duck Symposium

**Co-Organizer** “Coastal Bird Science Co-production: Management, Rehabilitation, and Resilience of Waterbird Rookery Islands and Beach Nesting Birds” 2024 Gulf of Mexico Conference

## Student Committees

2021-Present (Co-Adviser) Lauren Monopoli, PhD Candidate, University of Illinois Urbana Champaign

2022-Present (Co-Adviser) Nicole Pietrunti, MS Student, University of Illinois Urbana Champaign

2021-Present Anastasia Rahlin, PhD Candidate, University of Illinois Urbana Champaign

2022-2024 (Co-Adviser) Nora Hargett, MS Student, University of Illinois Urbana Champaign

2022-2024 (Co-Adviser) Jessica Schmit, MS Student, University of Arkansas Fayetteville

2021-2024 (Co-Adviser) Chad Cremer, MS Student, University of Illinois Urbana Champaign

2022-2023 Haley Holiman, MS Student, Tennessee Tech University

2021-2023 Samantha Garcia, MS Student, University of Illinois Urbana Champaign

2020-2023 Susannah Halligan, MS Student, SUNY ESF

2019-2023 Dustin Brewer, PhD Student, Central Michigan University

2020-2022 (Co-Adviser) Stephanie Schmidt, MS Student, University of Illinois Urbana Champaign

2020-2021 (Co-Adviser) Lauren Larson, MS Student, Western Illinois University

2020-2021 (Co-Adviser) Cheyenne Beach, MS Student, Western Illinois University

2017-2019 Erin Lehnert, MS Student, University of Central Oklahoma

## Service

2023-Present **Past Chair** Gulf of Mexico Avian Monitoring Network

2019-Present **Subject Editor** Avian Conservation & Ecology

2019-Present **Waterfowl Committee** Upper Miss/Great Lakes Joint Venture

2019-Present **Waterbirds Committee** Upper Miss/Great Lakes Joint Venture

2017-Present **Gulf of Mexico Avian Monitoring Network (GoMAMN) Coordination Committee**

2016-Present **Research Committee** Black Swamp Bird Observatory

2013-Present **Peer Reviewer** 13 journals

2024 - **Student Travel Award Chair** 9th North American Duck Symposium 2024 - **Student Presentation Judge Chair** 9th North American Duck Symposium 2023-2024 **Scientific Program Committee** 9th North American Duck Symposium

2021-2024 **Associate Editor** Wilson Journal of Ornithology

2019-2024 **Subject Editor** Illinois Natural History Survey Bulletin

2021-2023 **Second Vice President** Wilson Ornithological Society

2021-2023 **Chair** Gulf of Mexico Avian Monitoring Network

2018-2021 Co-Chair **Student/Early Professional Committee** Wilson Ornithological Society

2017-2020 **Associate Editor** The Ibis

2018-2020 Co-Chair **Early Professional Development Committee** American Ornithological Society

2019-2020 **North American Ornithological Conference 2020 Diversity and Inclusion Comm**

2019 **Presentation Judge** Assoc. of Field Ornith. & Wilson Ornith. Soc. Meeting

2019 **Mentor/Mentee Panel Member** North American Duck Symposium

2018 **Presentation Judge** American Ornithological Society Meeting

2018 **Local Organizing Committee** Assoc. of Field Ornith. & Wilson Ornith. Soc. Meeting

2018 **Presentation Judge** Assoc. of Field Ornith. & Wilson Ornith. Soc. Meeting

2017 **Presentation Judge** Wilson Ornithological Society Meeting

2016 **Volunteer & Session Moderator** North American Ornithological Conference

2016-17 Vice Chair **Open Science Section** Ecological Society of America

2015-17 Treasurer/Secretary **Wetlands Working Group** The Wildlife Society

2014-16 Treasurer **Biology Graduate Student Association** University of Arkansas

2015 **Presentation Judge** Assoc. of Field Ornith., Wilson Ornith. Soc., Soc. of Canadian Ornith. Meeting

2015 **Organized/Attended** *Software Carpentry Workshop* University of Arkansas

2014-15 Secretary **Student Chapter - University of Arkansas** The Wildlife Society

2014-15 Treasurer **Student Working Group** The Wildlife Society

2013-14 Vice President **Biology Graduate Student Association** University of Arkansas

2013-14 Treasurer **Student Chapter - University of Arkansas** The Wildlife Society

2011 **Panel Member** Wind Power Meeting - Upper Peninsula Environmental Coalition

2010 **Career Panel Member** Ohio Young Birder's Club Conference

## Professional Development

2023 **Understanding Conflict and Planning for Successful Collaboration** – Udall Foundation

2023 **Women in STEM Leadership Program** – Alan Alda Center for Communicating Science

2018-9 **Decision Analysis Certification Program** Apprentice Level

2019 **Decision Analysis: Tools** NCTC

2019 **Decision Analysis: Elicitation and Facilitation** NCTC

2018 **Grant Writing Workshop** Starkville, MS

2018 **ROpenSci Unconference** Seattle, WA

2018 **Introduction to Structured Decision Making** NCTC

2017 **Adaptive Management: Structured Decision Making for Recurrent Decisions** NCTC

2017 **Bayesian Modeling for Ecological & Social Scientists** SESYNC, University of Maryland

2016 **Spatial Capture Recapture Workshop** University of Georgia

2016 **Game Theoretical Modeling of Evolution Tutorial** NIMBios, University of Tennessee

2015 **Editing in Ornithology Workshop** American Ornithologist Union Meeting

2014 **Data Management Workshop** The Wildlife Society National Conference Pittsburgh, PA

2014 **Applied Hierarchical Modeling Workshop** Patuxent Wildlife Research Center/Royle & Kery

2013 **'Adehabitat' R Package Workshop** The Wildlife Society National Con/James Sheppard

2013 **Occupancy Modeling Short Course** Darryl MacKenzie

## Teaching

As Instructor

### *Social Media for Scientists*

Workshop about the use of social media platforms as a scientist.

Association of Field Ornithologists/Wilson Ornithological Society Conference - October 2019

North American Ornithological Conference - August 2016

### *Advanced R Programming and Graphing Workshop*

Day long workshop on programming, graphing, data management in R. [Link to Materials](#)

Illinois Natural History Survey - May 2020

Midwest Fish and Wildlife Conference - January 2020

American Ornithological Society Conference - June 2019

Gulf Estuarine Research Society Conference - November 2018

American Ornithological Society Conference - April 2018

American Ornithological Society/Society of Canadian Ornithologists - August 2017

North American Ornithological Conference - August 2016

American Ornithologists Union Conference - July 2015

### *Data and Software Carpentry Workshop*

Two-day workshops on reproducible research in R, Unix Shell, and Git.

Grand Bay National Estuarine Research Reserve, February 2019

Grand Valley State University, MI, December 2017

USDA, New Orleans, LA June 2016

Federal Reserve Board, Washington D.C. June 2016

University of Connecticut, March 2016

Iowa State University, November 2015

## **As Tutor**

### **Science Writing Tutor**

Quality Writing Center - University of Arkansas - January 2014 - March 2017 Tutored undergraduate and graduate students on scientific writing 8 hours a week. Edited thesis, dissertations, lab reports and other writing. Worked extensively with English as a Second Language students.

## **As Mentor**

**Undergraduate Mentor** Summer 2018-Present Mentored two undergraduates through independent research projects. I was awarded competitive funding to cover their salaries and housing. Throughout the summer I taught them field, and quantitative skills. Throughout the following Fall Semester I mentored them through their data analysis and first poster presentations. They are now both working on peer reviewed papers.

## **As Teaching Assistant**

University of Arkansas

Biometry - 2016

Developed materials, moved labs from SYSTAT to R. [Link to Materials](#)

University of Arkansas

Wetlands Ecology and Management - 2015

Michigan Technological University

Field Techniques - 2010 and 2011

Michigan Technological University

Creating Your Success - 2010 and 2011

Michigan Technological University

Ornithology - 2011

## Professional Licenses and Certifications

**Master Bander License Holder.** Previously sub permitted in US and Canada for 13 years 14 years experience, 7000+ birds

**Wilderness First Aid** Wilderness Medicine Institute/NOLS (2/2019)

**CPR/First Aid** American Red Cross (2/2019)

**Instructor Training** Software Carpentry & Data Carpentry

**ATV Rider Certification** ATV Safety Institute

## Outreach

2016-19 **#SkypeWithAScientist** 14 Classrooms across the US

2013-17 **Outdoor Education Volunteer** Hobbs State Park, Arkansas

Lead monthly spring bird banding demonstrations to groups 40-150 of children and adults

2013-17 **Science Fair Judge** (7) Regional/Local Science Fairs NW Arkansas

2017 **Talk** Mississippi Coast Audubon Society

2015-16 **Editor** Science and Math Section Editor of Science Borealis

2015-16 **Bird Banding Demonstration** (3) Camp War Eagle Summer Camp, Arkansas

2015-6 **Biotweeps Curator** Curating a week of tweets to 2k+ people about my research for Biotweeps

2016 **Presentation** Arkansas Audubon Society Annual Meeting presentation

2015 **RealScientist Curator** Curating a week of tweets to 30k+ people about my research for RealScientists

2014-5 **Presentation** (4) Local Library Science Program, AR

2013-5 **Presentation** (3) Springdale Alternative High School, Springdale, AR

2015 **Field Trip Leader** (2) The Biggest Week In American Birding Festival

2015 **Presentation** (3) Boys and Girls Club of Bentonville, Arkansas STEAM Program

2014 **Talk** Arkansas Audubon Society Annual Conference

2011 **Outdoor Educator** W. U.P. Center for Science, Math and Envi. Education

2011 **Owl Survey Volunteer** Michigan Bird Conservation Initiative

2009 **Presentation** Kirtland Bird Club - Cleveland, OH

## Work Experience

**Lead Scientist** November 2017-2019

Porzana Solutions LLC

**Freelance Ecologist** October 2016-January 2017

Bird Studies Canada

**Environmental Education Internship**

Kellogg Bird Sanctuary, Michigan State University - Kara Hass - May - July 2012

**Bird Bander**

The Big Island, Hawaii - Dr. Jessie Knowlton - February - May 2012

**Field Technician**

Isle Royale National Park - Dr. Joseph Bump - May 2011

**Remote Sensing/GIS Technician**

Michigan Technological University - Dr. Mike Falkowski - February 2010 - December 2011

**Small Mammal/Lakeshore Restoration Technician**

Michigan Technological University - Dan Haskell - July 2010

**Field Crew Leader**

Michigan Technological University - Dr. Amber Roth March - June 2010

**Bird Bander**

Black Swamp Bird Observatory - Mark & Julie Shieldcastle - Spring and Fall 2004-2008