

Liam Akerlof Berigan

Graduate Research Assistant

Department of Wildlife, Fisheries, and Conservation Biology

University of Maine, Orono, ME

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Education

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| 2020 – present | Ph.D. | Wildlife Ecology University of Maine, Department of Wildlife, Fisheries, and Conservation Biology Dissertation title: “ <i>American Woodcock habitat use, flight altitude, and migratory connectivity throughout their range</i> ” Advisors: Erik Blomberg & Amber Roth Advanced to candidacy- September 2022 Expected graduation- May 2024 |
| 2017 – 2019 | M.S. | Biology Kansas State University, Division of Biology Thesis title: “ <i>Dispersal, reproductive success, and habitat use by translocated lesser prairie-chickens</i> ” Advisor: David Haukos |
| 2013 – 2017 | B.S. | Biology Cornell University, College of Agriculture and Life Sciences <i>Distinction in Research</i> due to completion of an honors thesis |

Publications and research products

Peer reviewed journal articles

Berigan LA, Aulicky SH, Teige EC, Sullins DS, Haukos DA, Fricke KA, Reitz JH, Rossi LG, Schultz KA, Ricketts AM. 2022. Availability of lesser prairie-chicken nesting habitat impairs restoration success. *Wildlife Society Bulletin*. e1379.

Berigan LA, Greig EI, Bonter DN. 2020. Urban House Sparrow (*Passer domesticus*) populations decline in North America. *Wilson Journal of Ornithology*. 132:248–250.

Manuscripts in review or revision

Teige EC, **Berigan LA**, Aulicky SH, Sullins DS, Haukos DA, Fricke KA, Reitz JH, Rossi LG. Assessment of lesser prairie-chicken translocation through survival and lek counts. *In review at the Wildlife Society Bulletin*.

Manuscripts in preparation

Berigan LA, Fish AC, Roth AM, Williams LM, Duren KR, Blomberg EJ. Joint life-stage-specific species distribution models better facilitate habitat conservation for a short distance migratory bird. *Preparing for submission to the Journal of Applied Ecology*.

Other research products

Berigan LA, Fish AC, Darling R, Clements S, Slezak CR, Filkins K, Blomberg EJ, Roth AM, McWilliams SR, Straub J. 2022. *Annual report*. Eastern Woodcock Migration Research Cooperative.

Berigan LA, Fish AC, Slezak C, Filkins K, Blomberg EJ, Roth AM, McWilliams SR. 2021. *Annual report*. Eastern Woodcock Migration Research Cooperative.

Developed the W-PAST decision support tool for woodcock management in Pennsylvania in collaboration with the Pennsylvania Game Commission. 2021. woodcock.shinyapps.io/W-PAST.

Created interactive web applications for public access to Eastern Woodcock Migration Research Cooperative data. 2020. www.woodcockmigration.org/migration.html and www.woodcockmigration.org/explore-data.html.

Created a public repository for Eastern Woodcock Migration Research Cooperative codebase, 2022. github.com/EWMRC.

Expanded and updated the website for the Eastern Woodcock Migration Research Cooperative, 2020 – 2022. www.woodcockmigration.org.

Updated and maintained a public repository for Eastern Woodcock Migration Research Cooperative data, 2020 – 2022. www.movebank.org.

Fellowships, grants, and awards

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| 2022 | Canadian-American Center Fieldwork Grant | \$963 |
| 2022 | New England – Atlantic Provinces – Quebec Fellowship, UMaine Canadian-American Center | \$28,931 |
| 2019 | Student of the year , Kansas Cooperative Fish and Wildlife Research Unit | – |
| 2019 | Conference travel grant, American Ornithological Society | \$490 |

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| 2018 – 2019 | Registration scholarships, Kansas Chapter of The Wildlife Society | \$100 |
| 2018 | Conference travel grant, Kansas Chapter of The Wildlife Society | \$450 |
| 2018 | Conference travel grant, K-State Graduate Student Council | \$400 |
| 2018 | Conference travel grant, K-State College of Arts and Sciences | \$800 |
| 2016 | Morley Student Research Fund Grant, Cornell Lab of Ornithology | \$250 |
| Total funding secured: | | \$32,384 |

Teaching experience

Teaching assistantships

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| 2017 – 2019 | Principles of Biology (4 sections; K-State) |
| 2017 | Introductory Biology: Ecology and the Environment (1 section; Cornell) |
| 2016 | Field Ornithology (1 section; Shoals Marine Lab) |

Training received

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| Spring 2022 | Graduate Teaching Academy (21 hours; UMaine) Focusing on student-centered learning and inclusive teaching |
| Fall 2017 | Active learning workshop (3 hours; K-State) |

Workshops taught

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| Fall 2022 | Introduction to scientific analysis of data for the Cobscook Institute Half day interactive workshop focused on teaching scientific skills to high school students |
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Contributed presentations and posters

- Berigan LA, Fish AC, Roth AM, Williams LM, Duren KR, Blomberg EJ. 2022. *Using joint life-stage-specific species distribution models to facilitate habitat conservation for American Woodcock in Pennsylvania*. [Poster] Maine Chapter Meeting of The Wildlife Society, Orono ME.
- Berigan LA, Fish AC, Roth AM, Slezak CR, McWilliams SR, Blomberg EJ. 2022. *Revisiting the role of stopover when assessing migratory connectivity: an American Woodcock case study*. [Oral Presentation] American Ornithological Society Annual Meeting, San Juan PR.
- Berigan LA, Fish AC, Roth AM, Blomberg EJ. 2021. *Widespread use of satellite transmitters reveals the dynamic nature of American Woodcock migration timing*. [Oral Presentation] Maine Chapter Meeting of The Wildlife Society, Orono ME.
- Berigan LA, Fish AC, Roth AM, Williams LM, Duren KR, Blomberg EJ. 2021. *Site prioritization for American Woodcock management by comparing breeding and migratory habitat distribution models*. [Oral Presentation] The Wildlife Society Annual Conference, virtual.
- Berigan, LA., Aulicky CSH, Sullins DS, Haukos DA, Fricke K, Reitz J, Rossi L, Schultz K. 2019. *Overcoming post-release dispersal to successfully translocate lesser prairie-chickens*. [Oral Presentation] The Wildlife Society Annual Conference, Reno NV.
- Berigan LA, Aulicky CSH, Sullins DS, Haukos DA, Fricke K, Reitz J, Rossi L, Schultz K. 2019. *Landscape composition explains high rates of dispersal in translocated lesser prairie-chickens*. [Oral Presentation] American Ornithological Society 2019 Meeting, Anchorage AK.
- Berigan LA, Aulicky CSH, Sullins DS, Haukos DA, Fricke K, Reitz J, Rossi L, Schultz K. 2019. *Conservation implications of lesser prairie-chicken habitat selection on the Cimarron and Comanche National Grasslands*. [Oral Presentation] Kansas Natural Resources Conference 2019, Manhattan KS.
- Berigan LA, Aulicky CSH, Sullins DS, Haukos DA, Fricke K, Reitz J, Rossi L, Schultz K. 2018. *Translocation of lesser prairie-chickens: does lek presence limit dispersal?* [Oral Presentation] The Wildlife Society Annual Conference, Cleveland OH.
- Berigan LA, Aulicky CSH, Sullins DS, Haukos DA, Fricke K, Reitz J, Rossi L, Schultz K. 2018. *Role of natal habitat preference induction in prairie-grouse translocation success*. [Oral Presentation] 14th International Grouse Symposium, Logan UT.
- Berigan LA, Aulicky CSH, Haukos DA, Sullins DS, Fricke K. 2018. *Lesser prairie-chicken translocation: Minimizing dispersal to ensure translocation success*. [Oral Presentation] Kansas Natural Resources Conference 2018, Manhattan KS.

Berigan LA, Bonter DN. 2016. *Citizen science provides insights into the decline of House Sparrows in North America*. [Poster presentation] North American Ornithological Conference 2016, Washington D.C.

Additional research experience

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| 2016 | Herring Gull and Common Eider survival and spatial ecology. Intern with Dr. David Bonter at Shoals Marine Lab. |
| 2016 | Verdin paternity testing and response to playback. Field technician in Arizona with Dr. Emma Greig. |
| 2016 | Golden-winged Warbler geolocator application. Field technician in Guatemala with Dr. Ruth Bennett. |
| 2015 | Atlantic Puffin and Common/Arctic/Roseate Tern demographic estimates. Field technician with Project Puffin. |

Public engagement

Public presentations

Berigan, LA. 2022. *Meet the Timberdoodle!* [Oral presentation] Friends of Missisquoi National Wildlife Refuge & Green Mountain Audubon Society, Swanton VT.

Berigan, LA. 2022. *What can woodcock teach us about bird migration?* [Oral presentation] Harris Center for Conservation Education, Hancock NH.

News articles

Liam Berigan: Can-Am fellow researching bird migration on the East Coast. *UMaine Canadian-American Center*, Nov. 17th 2022.

Study finds even the common house sparrow is declining. *Cornell College of Agriculture and Life Sciences*, Feb. 11th 2022. Circulated by ScienceDaily, Phys.org, and the Grand Forks Herald.

‘Fits neatly inside a lizard’s cloaca’: Scientists are leaving Amazon reviews, and it’s amazing. *The Washington Post*, Feb. 2nd 2018.

Academic service

Committee & service work

- 2022 – present Co-coordinator, R Coding Club, UMaine
 - Two 60-minute lectures on best coding practices
 - 20 hours of one-on-one mentorship with graduate & undergraduate students
- 2022 – present Education Committee, Maine Chapter of The Wildlife Society
- 2022 – present Seminar Committee, Department of Wildlife, Fisheries, and Conservation Biology, UMaine
- 2021 – present DEI Committee, Department of Wildlife, Fisheries, and Conservation Biology, UMaine
- 2021 – 2022 DEI Committee, UMaine Graduate Student Government
- 2021 Senator, UMaine Graduate Student Government
- 2017 – 2018 Travel Grant Committee, K-State Biology Graduate Students Association

Membership in professional societies and working groups

- The Wildlife Society
 - Maine Chapter
 - Diversity, Equity, and Inclusion Working Group
- American Ornithological Society

Peer reviewer

Wilson Journal of Ornithology (1 manuscript).