

**Darin J. McNeil, Jr.**

*Curriculum vitae*, February, 2022

Assistant Professor  
University of North Carolina Wilmington  
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## EDUCATION

**Cornell University**, Ithaca, New York (USA) - 08/2015 – 05/2019

Ph.D. in *Natural Resources* (Major Advisor: *Amanda D. Rodewald*)

**Final GPA:** 4.00/4.00

**Dissertation title:** “Population Dynamics of Species Recovery: Multiscale Demography in Restored Habitats”

**Indiana University of Pennsylvania**, Indiana, Pennsylvania (USA) - 05/2013 – 05/2015

M.Sc. in Biology (Major Advisor: *Jeffery L. Larkin*)

**Final GPA:** 4.00/4.00

**Thesis title:** “Gauging the Success of Timber Harvests Managed for Golden-Winged Warblers (*Vermivora chrysoptera*): Characteristics and Territory Density Within a Wetland Reference System”

**Michigan State University**, East Lansing, Michigan (USA) - 09/2010 – 05/2013

B.Sc. in Fisheries and Wildlife (Research Advisor: *Gary J. Roloff*)

**Final GPA:** 3.60/4.00

**Thesis title:** “Using Audio Lures and Hierarchical Models to Improve Golden-winged Warbler (*Vermivora chrysoptera*) Detection During Point-count Surveys.”

**Kellogg Community College**, Battle Creek, Michigan (USA) - 09/2008 – 05/2010

Concentration in *Science and Mathematics*

**Final GPA:** 3.50/4.00

## PROFESSIONAL POSITIONS

- **Assistant Professor**, Department of Environmental Sciences, University of North Carolina Wilmington, Aug 2021 – Present.
- **Post-doctoral Scholar**, Socio-Environmental Synthesis Center (SESYNC), University of Maryland, Feb 2021 – Aug 2021.
- **Post-doctoral Scholar**, Department of Entomology & Insect Biodiversity Center, Pennsylvania State University, 2019-2021.
- **Graduate Teaching Assistant**, Department of Natural Resources & Lab of Ornithology, Cornell University, 2018-19.

- **Graduate Research Assistant**, Department of Natural Resources & Lab of Ornithology, Cornell University, 2015-18.
- **Graduate Research Assistant**, Department of Biology, Indiana University of Pennsylvania, 2013-15.
- **Undergraduate Teaching Assistant**, Michigan State University, East Lansing, MI, 2012.
- **Biological Technician**, University of Minnesota, Duluth, MN, 2012.
- **Biological Technician**, Michigan State University, East Lansing, MI, 2011.
- **Field Assistant**, W. K. Kellogg Biological Station, Hastings, MI, 2010.
- **Assistant Sanctuary Manager**, Michigan Audubon, Bellevue, MI, 2006-2010

## GRANTS &amp; AWARDS (Total: \$1,000,780)

2021. Assessing the Value of Supplemental Feeding Alternatives and Soil Irrigation on Northern Bobwhite (*Colinus virginianus*) Productivity in Southeastern North Carolina. Moore Charitable Foundation - The Orton Foundation 2021 Grant; **\$878,025**.

2021. Dynamic Forest Restoration in Southwest Virginia. National Fish and Wildlife Foundation - Central Appalachia Habitat Stewardship Program 2021; **\$199,929 (\$46,000 @ UNCW)**.

2021. Improving Estimation of Golden-winged Warbler Adult Apparent Survival to Parameterize an Integrated Population Model. Road to Recovery for Species on the Brink; **\$120,463 (\$24,113 @ UNCW)**; (Co-PI: A. Roth).

2018. Population Dynamics of Species Recovery: Multiscale Demography in Restored Habitats. Cornell Lab of Ornithology Ivy Fellowship; **\$19,800**; (Co-PI: A. Rodewald).

2017. Developing Two Dynamic Forest Restoration Blocks in the Pocono Mountains Targeting Golden-winged Warbler, Wood Thrush, and Cerulean Warbler. National Fish and Wildlife Foundation - Delaware River Restoration Fund 2017; **\$44,800**; (Co-PI: J. Larkin).

## SCIENTIFIC PUBLICATIONS:

35. Litvaitis, J., J. L. Larkin, **D. J. McNeil**, D. Keirstead, and B. Costanzo. *In Press*. Working Lands For Wildlife: Addressing Habitat Needs of At-Risk Species on Privately-Owned Lands in the Eastern United States. *Land*.

34. Parker, H. A., C. Rushing, J. T. Larkin, J. Duchamp, R. Rohrbaugh, **D. J. McNeil**, and J. L. Larkin. *In Press*. Avian Response to Plant Community Composition and Structure in Regenerating Timber Harvests Protected by Ungulate Exclusion Fencing. *Avian Conservation and Ecology*.
33. Lott, C. A., M. E. Akresh, B. E. Costanzo, A. W. D'Amato, S. Duan, C. J. Fiss, J. S. Fraser, H. S. He, D. I. King, **D. J. McNeil**, S. H. Stoleson, M. Yamasaki and J. L. Larkin. 2021. Do Review Papers on Bird–Vegetation Relationships Provide Actionable Information to Forest Managers in the Eastern United States? *Forests* (12): 990. <https://doi.org/10.3390/f12080990>
32. Lee, M. R., **D. J. McNeil**, C. L. Mathis, C. M. Grozinger, and J. L. Larkin. 2021. Microhabitats Created by Log Landings Support Abundant Flowers and Insect Pollinators within Regenerating Mixed-Oak Stands in the Central Appalachian Mountains. *Forest Ecology and Management* (497): 119472.
31. Porter, C. K., J. L. Confer, K. R. Aldinger, R. A. Canterbury, J. L. Larkin, **D. J. McNeil**. 2021. Strong yet incomplete reproductive isolation in *Vermivora* is not contradicted by other lines of evidence: a reply to Toews et al. *Ecology and Evolution* (00): 1-7. <https://doi.org/10.1002/ece3.7763>
30. Mathis, C. L., **D. J. McNeil**, M. R. Lee, C. M. Grozinger, D. E. King, C. R. V. Otto, and J. L. Larkin. 2021. Pollinator communities vary with vegetation structure and time since management within regenerating timber harvests of the Central Appalachian Mountains. *Forest Ecology and Management* 496: 119373.
29. Fiss, C. J., **D. J. McNeil**, A. D. Rodewald, D. Heggenstaller, and J. L. Larkin. 2021. Cross-scale Habitat Selection Reveals Within-stand Structural Requirements for Fledgling Golden-winged Warblers. *Avian Conservation and Ecology* 16(1):16. <https://doi.org/10.5751/ACE-01807-160116>
28. **McNeil, D. J.**, E. McCormick, A. Heimann, M. Kammerer, M. Douglas, S. Goslee, C. M. Grozinger, and H. Hines. *In press*. Bumble Bees in Landscapes with Abundant Floral Resources Have Lower Pathogen Loads. *Nature - Scientific Reports*. 10: 22306. <https://doi.org/10.1038/s41598-020-78119-2>
27. Fiss, C. J., **D. J. McNeil**, J. Duchamp, A. D. Rodewald, and J. L. Larkin. *In press*. Post-fledging Golden-winged Warblers Require Forests with Multiple Stand Developmental Stages. *Condor: Ornithological Applications*. 122:1–13. doi: 10.1093/condor/duaa052
26. **McNeil, D. J.**, and B. Erregger. *In Press*. Description and Photographs of Cricket Parental Care in the Wild. *Journal of Orthoptera Research*. 30(1): 27–30. <https://doi.org/10.3897/jor.30.52079>
25. **McNeil, D. J.**, and C. M. Grozinger (2020). Singing in the Suburbs: Point Count Surveys Efficiently Reveal Habitat Associations for Nocturnal Orthoptera Across an Urban-to-Rural Gradient. *Journal of Insect Conservation*. 24: 1031–1043.

24. Confer, J. L., C. W. Porter, K. R. Aldinger, R. A. Canterbury, J. L. Larkin, and **D. J. McNeil** (2020). Implications for Evolutionary Trends from the Pairing Frequencies Among Golden-winged And Blue-winged Warblers and Their Hybrids. *Ecology and Evolution: 10*(19): 10633-10644.
23. Jones, T. M., J. D. Brawn, I. J. Ausprey, A. C. Vitz, A. D. Rodewald, D. W. Raybuck, T. J. Boves, C. J. Fiss, **D. J. McNeil**, S. H. Stoleson, J. L. Larkin, W. A. Cox, A. C. Schwarzer, N. P. Horsley, E. M. Trumbo, and M. P. Ward (2020). Parental benefits and offspring costs reflect parent-offspring conflict over the age of fledging among songbirds. *Proceedings of the National Academy of Sciences (PNAS)*.  
10.1073/pnas.2008955117
22. **McNeil, D. J.**, A. D. Rodewald, O. J. Robinson, C. J. Fiss, K. V. Rosenberg, V. Ruiz-Gutierrez, K. R. Aldinger, A. A. Dhondt, S. Petzinger, and J. L. Larkin (2020). Regional Abundance and Local Breeding Productivity Explain Occupancy of Restored Habitats in a Migratory Songbird. *Biological Conservation* 245: 108463.  
<https://doi.org/10.1016/j.biocon.2020.108463>
21. **McNeil, D. J.**, A. D. Rodewald, V. Ruiz-Gutierrez, K. E. Johnson, M. Strimas-Mackey, S. Petzinger, O. J. Robinson, G. E. Soto, and J. L. Larkin (2020). Multi-scale Drivers of Restoration Outcomes for an Imperiled Songbird. *Restoration Ecology* doi: 10.1111/rec.13147
20. Can, M. J., C. J. Fiss, **D. J. McNeil**, and J. L. Larkin (2019). Space Use by Prairie Warblers in Regenerating Mixed-oak Forests of Central Pennsylvania. *Northeastern Naturalist* 26(4): 835 – 848.
19. Lott, C. A., M. E. Akresh, A. J. Elmore, C. J. Fiss, M. C. Fitzpatrick, C. J. Joos, D. I. King, **D. J. McNeil**, S. H. Stoleson and J. L. Larkin (2019). What Evidence Exists for Landbird Species-environment Relationships in Eastern Temperate and Boreal Forests of North America? A Systematic Map Protocol. *Environmental Evidence* 8:31, <https://doi.org/10.1186/s13750-019-0170-6>
18. **McNeil, D. J.** (2019). Population Dynamics of Species Recovery: Multiscale Demography in Restored Habitats. Ph.D. Dissertation. Cornell University.
17. Lutter, S. H., A. A. Dayer, A. D. Rodewald, **D. J. McNeil**, and J. L. Larkin (2019). Early Successional Forest Management on Private Lands as a Coupled Human and Natural System. *Forests*, 10, 499; doi:10.3390/f10060499
16. **McNeil, D. J.**, C. J. Fiss, A. D. Rodewald, and J. L. Larkin (2019). Facultative Polygamy Influences Post-fledging Movements in a Brood-splitting Passerine. *Wilson Journal of Ornithology* 131(1): 173-178.
15. Fiss, C. J., **D. J. McNeil**, F. Rodriguez, and J. L. Larkin (2019). Hail-induced Nest Failure and Adult Mortality in a Declining, Ground-nesting Forest Songbird. *Wilson Journal of Ornithology* 131(1): 165-170.

14. **McNeil, D. J.**, C. R. V. Otto, E. L. Moser, K. R. Urban-Mead, D. E. King, A. D. Rodewald and J. L. Larkin (2018). Distance Models as a Tool for Modeling Detection Probability and Density of Native Bumble Bees. *Journal of Applied Entomology* 1-11. doi:10.1111/jen.12583
13. Drucker, J., R. E. Bennett, L. Fried, M. L. Kazour, and **D. J. McNeil** (2018). New Sightings of Melanistic Green Herons (*Butorides virescens*) in the Caribbean Suggest Overlooked Polymorphism. *The Journal of Caribbean Ornithology* 31: 38-47.
12. Mathews, A. E., P. B. Klimov, H. C. Proctor, A. P. G. Dowling, L. Diener, S. B. Hager, J. L. Larkin, D. W. Raybuck, C. J. Fiss, **D. J. McNeil**, and T. J. Boves (2018). Cophylogenetic assessment of New World warblers (Parulidae) and their symbiotic feather mites (Proctophyllodidae). *Journal of Avian Biology* 49(3): jav-01580.
11. **McNeil, D. J.**, C. J. Fiss, E. M. Wood, J. E. Duchamp, M. J. Bakermans, and J. L. Larkin (2018). Comparing Songbird Density and Habitat Characteristics in Managed Forest and a Natural Reference System. *Avian Conservation & Ecology* 13(1): 22.
10. Tisdale, A. C., J. A. Jones, K. R. Aldinger, M. H. Bakermans, J. L. Larkin, **D. J. McNeil**, C. G. Smalling, and L. Siefferman (2018). Geography and Age Influence Plumage Ornamentation of Male Golden-winged Warblers. *Wilson Journal of Ornithology* 130(1):286-296.
9. Itgen, M. W., **D. J. McNeil** and C. J. Fiss (2017). *Eurycea longicauda* (Long-Tailed Salamander): Color Aberration. *The Herpetological Review* 48(4): 826-827.
8. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, J. A. Lehman, A. C. Tisdale, J. A. Jones, P. B. Wood, D. A. Buehler, C. G. Smalling, L. Siefferman and J. L. Larkin (2017). An Evaluation and Comparison of Conservation Guidelines for an At-risk Migratory Songbird. *Global Ecology and Conservation* 9: 90-103.
7. Kramer, G. R., H. M. Streby, S. M. Peterson, J. A. Lehman, D. A. Buehler, P. B. Wood, **D. J. McNeil**, J. L. Larkin, and D. E. Andersen (2017). Nonbreeding Isolation and Population-specific Migration Patterns Among Three Populations of Golden-winged Warblers. *Condor: Ornithological Applications* 119(1): 108-121
6. Leuenberger, W., **D. J. McNeil**, J. Cohen, and J. L. Larkin (2017). Characteristics of Golden-winged Warbler (*Vermivora chrysoptera*) Territories in Post-Fire and Post-Agricultural Communities in Central Pennsylvania. *Journal of Field Ornithology*: 88 (2): 169-183
5. **McNeil, D. J.**, C. A. Nicks, J. C. D. Wester, M. Lovallo, and J. L. Larkin (2017) Diet Composition and Evidence of Widespread Intraspecific Predation in a Reintroduced Population of a Forest-dependent Mesocarnivore. *American Midland Naturalist* 177(2): 200-210.
4. Mibroda, J. E., **D. J. McNeil**, J. Duchamp, J. Townsend, and J. L. Larkin (2017). Roadside Habitat Utilization by the Endemic Shorthead Garter Snake (*Thamnophis brachystoma*) in Northwestern Pennsylvania. *Herpetological Conservation and Biology* 12(3): 655–663.

3. Fiss, C. J., **D. J. McNeil**, R. E. Poole, K. M. Rogers, and J. L. Larkin (2016). Interspecific brood-rearing of two Golden-winged Warbler (*Vermivora chrysoptera*) fledglings to independence by a male Black-and-white Warbler (*Mniotilta varia*). *Wilson Journal of Ornithology* 128(4): 921-926.
2. **McNeil, D. J.** (2015). Gauging the Success of Timber Harvests Managed for Golden-Winged Warblers (*Vermivora chrysoptera*): Characteristics and Territory Density Within a Wetland Reference System. M.Sc. Thesis. Indiana University of Pennsylvania.
1. **McNeil, D. J.**, C. R. V. Otto, and G. J. Roloff (2014) Using Audio Lures and Hierarchical Models to Improve Golden-winged Warbler (*Vermivora chrysoptera*) Detection During Point-count Surveys. *Wildlife Society Bulletin* 38(3): 586-590.

*Manuscripts in revision or review*

1. Gray, L. F., **D. J. McNeil**, J. T. Larkin, H. A. Parker, D. Shaffer, J. L. Larkin. *In revision*. Quantifying Detection Probability of American Woodcock (*Scolopax minor*) on Transects Sampled with Thermal Cameras. *Wildlife Society Bulletin*.
2. Lapp, S., J. L. Larkin, H. Parker, J. T. Larkin, D. Shaffer, C. Tett, **D. J. McNeil**, C. J. Fiss, and J. Kitzes. *In review*. Automated Detection of Ruffed Grouse in Field Recordings. *Wildlife Society Bulletin*.

*Manuscripts in prep*

1. **McNeil, D. J.**, A. D. Rodewald, K. V. Rosenberg, C. J. Fiss, R. E. Bennett, V. G. Rohwer, A. A. Dhondt, and J. L. Larkin. *In prep*. Rapid Pre-formative Molt in a Wood-warbler: An Overlooked Challenge During the Post-fledging Period. *Ibis*.
2. **McNeil, D. J.**, A. D. Rodewald, R. E. Bennett, K. V. Rosenberg, C. J. Fiss, K. R. Aldinger, A. A. Dhondt, and J.L. Larkin. *In prep*. Weaning Conflict in a Long-distance Migratory Songbird: Balancing Parental Provisioning and the Ontogeny of Independent Foraging. *Animal Behavior*.
3. **McNeil, D. J.**, A. D. Rodewald, R. E. Bennett, and J.L. Larkin. *In prep*. Dynamic Breeding-Season Habitat Needs of Eastern North American Forest Birds. *Journal of Field Ornithology*.
4. Johnson, K. E., **D. J. McNeil**, A. D. Rodewald, and J. L. Larkin. *In prep*. A Multi-regional Assessment of Factors Influencing American Woodcock (*Scolopax minor*) Use of Managed Early Successional Communities. *Biological Conservation*.
5. Mathis, C. L., **D. J. McNeil**, M. R. Lee, C. M. Grozinger, C. R. V. Otto, and J. L. Larkin. *In prep*. The Impact of Structural Vegetation and Time Since Management on Floral Communities within Regenerating Overstory Removal Harvested Forests of Pennsylvania. *Forest Ecology and Management*.
6. Gray, L. F., **D. J. McNeil**, H. A. Parker, and J. L. Larkin Estimating Occupancy of American Woodcock (*Scolopax minor*) Populations in Western Pennsylvania Timber Harvests and Old Fields. *Avian Conservation and Ecology*.

7. Gratton, E. M., **D. J. McNeil**, and C. M. Grozinger. *In prep.* Pesticide Impacts on Night-singing Insect Occupancy in Agriculturally-dominated Landscapes. *Journal of Insect Conservation*.
8. Shaffer, D., **D. J. McNeil**, J. T. Larkin, H. A. Parker, J. A. Kitzes, and J. L. Larkin. *In prep.* Evaluating the Effectiveness of NRCS Conservation Programs to Restoring Cerulean Warbler (*Setophaga cerulea*) Habitat in Central Pennsylvania. *Wildlife Society Bulletin*.

#### *Technical reports*

6. Larkin, J. L., **D. J. McNeil**, C. L. Mathis, and A. D. Rodewald. (2019). Habitat Ecology of Native Pollinators and Imperiled Migratory Songbirds within Early-successional Deciduous Forests. Natural Resource Conservation Service (NRCS). 2015-18 Annual Report, 31 pp.
5. Larkin, J. L., **D. J. McNeil**, K. E. Johnson, C. J. Fiss, A. D. Rodewald, C. Lott, A. Dayer, and S. Lutter. (2018). Inventory and Monitoring of Relevant Wildlife Species Across Properties Enrolled in NRCS Conservation Programs in Appalachian and Great Lakes Areas. Natural Resource Conservation Service (NRCS). 2015-17 Annual Report, 66 pp.
4. Larkin, J. L., **D. J. McNeil**, K. E. Johnson, C. J. Fiss, A. D. Rodewald, C. Lott, A. Dayer, and S. Lutter. (2017). 2016 Assessing Avian Response to NRCS Conservation Programs Targeting Early-successional Habitats in the Appalachian Mountains and Western Great Lakes Regions. Natural Resource Conservation Service (NRCS). 2017 Annual Report, 62 pp.
3. Larkin, J. L., **D. J. McNeil**, A. D. Rodewald, K. E. Johnson, C. Lott, and A. Dayer. (2016). 2016 Annual Report Assessing Wildlife Response to NRCS Conservation Programs Targeting Early Succession Habitats. Natural Resource Conservation Service (NRCS) 2016 Annual Report, 44 pp.
2. Larkin, J. L., **D. J. McNeil**, C. J. Fiss, A. D. Rodewald, K. Johnson, K. R. Aldinger, M. H. Bakermans, J. A. Lehman, A. C. Tisdale, J. A. Jones, P. B. Wood, D. A. Buehler, C. G. Smalling, L. Siefferman and J. L. Larkin (2016). Conservation Practices Benefit Golden-winged Warblers in Appalachia. Natural Resource Conservation Service (NRCS) Conservation Insights Report, 12 pp.
1. Bakermans, M. H., K. R. Aldinger, **D. J. McNeil**, A. C. Tisdale, J. A. Lehman, and J. L. Larkin. (2015). Monitoring and Evaluating Golden-winged Warbler Use of Breeding Habitat Created by the Natural Resources Conservation Service Practices. Natural Resource Conservation Service (NRCS) 2012-14 Final Report, 110 pp.

#### *Popular Articles*

- McNeil, D. J.** Species Spotlight: The Northern Bobwhite (*Colinus virginianus*). 2018. In: Michigan Game Bird Breeders Association. In: Spring 2018 Quarterly Newsletter. (J. Rusan ed).

## SCIENTIFIC PRESENTATIONS:

*Oral presentations*

54. **McNeil, D. J.**, A. D. Rodewald, V. Ruiz-Gutierrez, O. Robinson, M. Strimas-Mackey, K. E. Johnson, and J. L. Larkin. “Multi-scale Drivers of Restoration Outcomes for an Imperiled Songbird”. American Ornithological Society. Virtual Conference. July 2021.
53. **McNeil, D. J.**, K. Anton, M. A. Kammerer, S. Goslee, and C. M. Grozinger. “Introducing 'Beescape': An Interactive Tool for Beekeepers and Scientists Alike”. American Honey Producers Association, Annual Meeting. Sacramento, California. January 2020.
52. Larkin, J. L., C. Lott, **D. J. McNeil**, C. J. Fiss, and B. Costanzo. “Using Biological Monitoring Data to Drive Precision Conservation on Private Lands”. The Wildlife Society, Annual Meeting. Reno, Nevada. October 2019.
51. Larkin, J. L., **D. J. McNeil**, A. D. Rodewald, C. J. Fiss, V. Ruiz-Gutierrez, and A. A. Dhondt. “Landscape and Microhabitat Influences on Occupancy of Golden-winged Warblers in Managed Habitats”. The Wildlife Society, Annual Meeting. Reno, Nevada. October 2019.
50. **McNeil, D. J.**, A. D. Rodewald, C. J. Fiss, V. Ruiz-Gutierrez, A. A. Dhondt, and J. L. Larkin. “A Comparison of Full Season Productivity of Golden-winged Warbler across Four Distinct Regions of the Species’ Breeding Distribution”. The Wildlife Society, Annual Meeting. Reno, Nevada. October 2019.
49. Mathis, C. L., **D. J. McNeil**, M. Lee, C. M. Grozinger, D. King, C. R. V. Otto, K. Urban-Mead, and J. L. Larkin. “Factors Affecting Native Pollinator Diversity and Density in Regenerating Managed Forests”. The Wildlife Society, Annual Meeting. Reno, Nevada. October 2019.
48. Fiss, C. J., **D. J. McNeil**, A. D. Rodewald, J. Cohen, and J. L. Larkin. “Avian Communities Associated with Central Appalachian Forests Enrolled in NRCS’s Working Lands for Wildlife Partnership”. The Wildlife Society, Annual Meeting. Reno, Nevada. October 2019.
47. **McNeil, D. J.**, C. Mathis, C. R. V. Otto, E. Moser, C. Grozinger, D. King, A. D. Rodewald, and J. L. Larkin. “The Birds and The Bees: Species Response to NRCS: Working Lands for Wildlife”. 2019 Pennsylvania Forest Landowners Conference, Annual Meeting. State College, Pennsylvania. March 2019.
46. **McNeil, D. J.**, C. Mathis, C. R. V. Otto, E. Moser, C. Grozinger, D. King, A. D. Rodewald, and J. L. Larkin. “Dynamic Habitat Associations of Native Bees within Managed Early-successional Forest”. 2018 Entomological Society of America (ESA), Joint Annual Meeting. Vancouver, British Columbia. November 2018.
45. Schaffer, D., J. O’Neill, C. J. Fiss, **D. J. McNeil**, and J. L. Larkin. “Assessing the Potential Role of Lepidoptera Larvae Abundance on Breeding Productivity in a Foraging Specialist Songbird”. 95<sup>th</sup> Annual Meeting, Entomological Society of Pennsylvania. Millersville, Pennsylvania. November 2018.



44. Mathis, C. L., **D. J. McNeil**, M. R. Lee, and J. L. Larkin. "Habitat Ecology of Native Pollinator Communities within Early Successional Forests of the Central Appalachian Mountains". 95<sup>th</sup> Annual Meeting, Entomological Society of Pennsylvania. Millersville, Pennsylvania. November 2018.
43. **McNeil, D. J.**, E. Moser, C. Mathis, C. R. V. Otto, D. King, A. D. Rodewald, and J. L. Larkin. "Evaluating Native Bee Density in Regenerating Timber Harvest Practices Associated with NRCS Working Lands for Wildlife." 75<sup>th</sup> Annual Northeast Association of Fish and Wildlife Agencies (NEAFWA). Burlington, Vermont. April 2018.
42. **McNeil, D. J.**, K. E. Johnson, A. D. Rodewald, and J. L. Larkin. "Local and Landscape Scale Effects on American Woodcock Use of Early Successional Communities Managed for Golden-winged Warblers." 75<sup>th</sup> Annual Northeast Association of Fish and Wildlife Agencies (NEAFWA). Burlington, Vermont. April 2018.
41. Fiss, C. J., **D. J. McNeil**, A. D. Rodewald, and J. L. Larkin. "What Do Golden-winged Warbler Fledglings Tell Us About How to Structure Young Forest Habitat Within the Mature Forest Matrix?". 75<sup>th</sup> Annual Northeast Association of Fish and Wildlife Agencies (NEAFWA). Burlington, Vermont. April 2018.
40. Larkin, J. L., **D. J. McNeil**, A. D. Rodewald, and K. E. Johnson. "Breeding Bird Community Response to NRCS Working Lands for Wildlife Practices Applied for Golden-winged Warblers." 75<sup>th</sup> Annual Northeast Association of Fish and Wildlife Agencies (NEAFWA). Burlington, Vermont. April 2018.
39. **McNeil, D. J.**, E. Moser, C. Mathis, C. R. V. Otto, D. King, A. D. Rodewald, and J. L. Larkin. "Dynamic Habitat Associations of Insect Pollinators within a Managed Forest Landscape". 1<sup>st</sup> Annual 'Center for Pollinator Research' Symposium (CPR). State College, Pennsylvania. April 2018.
38. Boves, T. J., A. E. Matthews, P. B. Klimov, H. C. Proctor, A. P. G. Dowling, L. Diener, S. B. Hager, J. L. Larkin, D. W. Raybuck, S. S. Stoleson, M. C. Slevin, C. J. Fiss, and **D. J. McNeil**. "Exploring the Relationship Between Symbionts and Avian Hosts: the Case of Feather Mites and New World warblers". 27<sup>th</sup> Annual International Ornithological Congress (IOC). Vancouver, British Columbia. April 2018.
37. **McNeil, D. J.**, A. D. Rodewald, K. E. Johnson, and J. L. Larkin. "Monitoring Reveals Successful Management of Private- and Public Forestlands for Nesting Golden-winged Warblers". 1<sup>st</sup> Annual Meeting of the American Ornithological Society (AOS). East Lansing, Michigan. August 2017.
36. Fiss, C. J., Larkin, J. L., and **D. J. McNeil**. "Habitat Selection and Movement of Fledgling Golden-winged Warblers in Managed Mixed Oak Forest of the Central Appalachian Mountains". 1<sup>st</sup> Annual Meeting of the American Ornithological Society (AOS). East Lansing, Michigan. August 2017.

35. Raybuck, D. W., **D. J. McNeil**, S. H. Stoleson, T. J. Boves, C. J. Fiss, J. L. Larkin, G. R. Kramer, H. M. Streby, J. A. Lehman, and D. A. Buehler. "Geolocators on 9-10 g Birds: Are There Breeding- or Annual Fitness Effects on Cerulean and Golden-winged Warblers?". 1<sup>st</sup> Annual Meeting of the American Ornithological Society (AOS). East Lansing, Michigan. August 2017.
34. Mathews A., P. B. Klimov, H. C. Proctor, A. P. G. Dowling, L. Diener, S. B. Hager, J. L. Larkin, D. W. Raybuck, C. J. Fiss, **D. J. McNeil**, and T. J. Boves. "Assessing Coevolution Between Feather Mites and Warbler Hosts". 1<sup>st</sup> Annual Meeting of the American Ornithological Society (AOS). East Lansing, Michigan. August 2017.
33. **McNeil, D. J.**, K. E. Johnson, A. D. Rodewald, and J. L. Larkin. "Golden-winged Warbler Response to Habitat Management: The Importance of Monitoring Data for Identifying and Refining Priority Areas for Conservation". Annual Meeting of The Wildlife Society. Raleigh, North Carolina. October 2016.
32. Stoleson, S. H., D. W. Raybuck, **D. J. McNeil**, C. J. Fiss, J. L. Larkin, and T. J. Boves. "Full life-cycle research reveals forest birds require multiple-aged landscapes". Ornithological Congress of the Americas, Puerto Iguazú, Argentina. August 2017.
31. Johnson, K. E., **D. J. McNeil**, A. D. Rodewald, and J. L. Larkin. "American Woodcock Occupancy and Abundance on Managed Lands". Annual Meeting of The Wildlife Society. Raleigh, North Carolina. October 2016.
30. Fiss, C. J., **D. J. McNeil**, M. J. Bakermans, A. D. Rodewald, J. Lehman, D. Buehler, and J. L. Larkin. "Habitat Selection of Golden-winged Warbler Fledglings: The Importance of Structural Diversity in Local Landscapes". Annual Meeting of The Wildlife Society. Raleigh, North Carolina. October 2016.
29. Kramer, G. R., D. E. Andersen, D. A. Buehler, P. B. Wood, S. M. Peterson, J. A. Lehman, K. R. Aldinger, L. P. Bulluck, B. Gray, S. Harding, J. A. Jones, D. I. King, J. L. Larkin, J. P. Logering, **D. J. McNeil**, D. B. Miles, C. Smalling, R. Vallender, and H. M. Streby. "Range-Wide Assessment of Wintering Distributions and Migration Routes of Golden-Winged Warblers Using Geolocators". Annual Meeting of The Wildlife Society. Raleigh, North Carolina. October 2016.
28. **McNeil, D. J.**, K. E. Johnson, A. D. Rodewald, and J. L. Larkin. "From Touch-down to Take-off: Breeding season habitat needs for Golden-winged Warblers". North American Ornithologists Conference (NAOC) VI. Washington, DC. August 2016.
27. Kramer, G. R., H. M. Streby, S. M. Peterson, J. A. Lehman, D. A. Buehler, P. B. Wood, **D. J. McNeil**, J. L. Larkin, and D. E. Andersen. "Nonbreeding isolation and population-specific migration routes among three populations of Golden-winged Warblers". North American Ornithologists Conference (NAOC) VI. Washington, DC. August 2016.
26. Fiss, C. J., **D. J. McNeil**, M. J. Bakermans, A. D. Rodewald, J. Lehman, D. Buehler, and J. L. Larkin. "Habitat Selection of Golden-winged Warbler Fledglings: The Importance of Structural Diversity in Local Landscapes". North American Ornithologists Conference (NAOC) VI. Washington, DC. August 2016.

25. Fiss, C. J., **D. J. McNeil**, M. J. Bakermans, A. D. Rodewald, J. Lehman, D. Buehler, and J. L. Larkin. "Habitat Selection of Golden-winged Warbler Fledglings: The Importance of Structural Diversity in Local Landscapes". The Wildlife Society (PA Chapter) Annual Conference. State College, PA. April 2016.
24. Johnson, K. E., **D. J. McNeil**, A. D. Rodewald, and J. L. Larkin. "American Woodcock Use of Early Successional Communities Managed for Golden-winged Warblers". The Wildlife Society (PA Chapter) Annual Conference. State College, PA. April 2016.
23. **McNeil, D. J.**, K. R. Aldinger, M. J. Bakermans, A. Tisdale, J. Jones, J. Lehman, D. Buehler, C. Smalling, L. Siefferman, P. B. Wood, and J. L. Larkin. "Golden-winged Warbler Breeding Season Demographics Across Conservation Practices Associated with NRCS: Working Lands For Wildlife". 72nd Northeast Association of Fish and Wildlife Agencies (NEAFWA). Anapolis, MD. April 2016.
22. Johnson, K. E., **D. J. McNeil**, A. D. Rodewald, and J. L. Larkin. "Golden-winged Warbler Breeding Season Demographics Across Conservation Practices Associated with NRCS: Working Lands For Wildlife". 72nd Northeast Association of Fish and Wildlife Agencies (NEAFWA). Anapolis, MD. April 2016.
21. Bakermans, M. J., **D. J. McNeil**, K. R. Aldinger, P. B. Wood, J. Lehman, D. Buehler, C. Smalling, J. Jones, A. Tisdale, L. Siefferman, and J. L. Larkin. "Breeding bird Communities Across Conservation Practices Associated with NRCS's Working Lands for Wildlife Targeting Golden-winged Warbler Nesting Habitat". 72nd Northeast Association of Fish and Wildlife Agencies (NEAFWA). Anapolis, MD. April 2016.
20. Fiss, C. J., **D. J. McNeil**, M. J. Bakermans, A. D. Rodewald, J. Lehman, D. Buehler, and J. L. Larkin. "Habitat Selection of Golden-winged Warbler Fledglings: The Importance of Structural Diversity in Local Landscapes". 72nd Northeast Association of Fish and Wildlife Agencies (NEAFWA). Anapolis, MD. April 2016.
19. **McNeil, D. J.**, A. D. Rodewald, J. L. Larkin, K. E. Johnson, and C. J. Fiss. 2016. "Range-wide Conservation for a Long-distance Migrant Songbird". Cornell Dep't of Natural Resources Graduate Symposium. Ithaca, New York, January 2016.
18. Kramer, G. R., H. M. Streby, S. M. Peterson, J. A. Lehman, D. A. Buehler, P. B. Wood, **D. J. McNeil**, J. L. Larkin, and D. E. Andersen. "Wintering grounds and migratory routes of golden-winged warblers discovered using light-level geolocators: implications for full life-cycle management". Midwest Fish and Wildlife Conference. Grand Rapids, Michigan, January 2016.
17. Kramer, G. R., H. M. Streby, S. M. Peterson, J. A. Lehman, D. A. Buehler, P. B. Wood, **D. J. McNeil**, J. L. Larkin, and D. E. Andersen. Migration and Movement Ecology of Golden-winged Warblers Derived from Light-level Geolocators. Joint Meeting of The American Ornithologists' Union & The Cooper Ornithological Society. Norman, Oklahoma. July 2015.

16. **McNeil, D. J.** C. A. Nicks, J. C. Wester, and J. L. Larkin. "Diets of Fishers (*Pekania pennanti*) Reintroduced to the Central Appalachian Mountains: A Generalist Predator Exploiting a Diverse Prey Base". The Wildlife Society annual meeting. Pittsburgh, Pennsylvania. October 2014.
15. Leuenberger, W., **D. J., McNeil (presenter)**, Aldinger, K. R., M. H. Bakermans, D. A. Buehler, J. A. Jones, J. L. Larkin, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood. "Avian Species Associated With Habitat Created For The Golden-winged Warbler Through The NRCS Working Lands For Wildlife Program". The Wildlife Society annual meeting. Pittsburgh, Pennsylvania. October 2014.
14. Mengel, A. J., **D. J., McNeil**, J. E. Duchamp and J. L. Larkin. "A Comparison of bat activity between edge and interior portions of Timber Harvests". The Wildlife Society annual meeting. Pittsburgh, Pennsylvania. October 2014.
13. Aldinger, K. R., M. H. Bakermans, D. A. Buehler, J. A. Jones, J. L. Larkin, J. A. Lehman, **D. J., McNeil**, C. G. Smalling, A. C. Tisdale, P. B. Wood. "Nesting ecology of Golden-winged Warblers in vegetation communities resulting from different NRCS conservation practices". The Wildlife Society annual meeting. Pittsburgh, Pennsylvania. October 2014.
12. Lehman, J. A., **D. J. McNeil**, D. Buehler, J. Larkin, P. Wood, and C. Smalling. "Golden-winged Warbler post-fledging survival and associated habitat use of Tennessee and Pennsylvania". The Wildlife Society annual meeting. Pittsburgh, Pennsylvania. October 2014.
11. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. "Quantifying Golden-winged Warbler Density and Avian Community Composition on Lands Treated with NRCS Conservation Practices". Northeast/Southeast Partners In Flight Conference. Virginia Beach, Virginia. October 2014.
10. Aldinger, K. R., M. H. Bakermans, D. A. Buehler, J. A. Jones, J. L. Larkin, J. A. Lehman, **D. J., McNeil**, C. G. Smalling, A. C. Tisdale, P. B. Wood. "Nesting, Territoriality, and Morphometrics of Golden-winged Warblers in Vegetation Communities Resulting From Different NRCS Conservation Practices". Northeast/Southeast Partners In Flight Conference. Virginia Beach, Virginia. October 2014.
9. Lehman, J. A. **D. J., McNeil**, Aldinger, K. R., M. H. Bakermans, D. A. Buehler, J. A. Jones, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin,. "Habitat Use and Survival of Golden-winged Warbler Fledglings in the Appalachian Mountains". Northeast/Southeast Partners In Flight Conference. Virginia Beach, Virginia. October 2014.
8. Buehler, D. A., J. A. Lehman, G. R. Kramer, S. M. Peterson, H. M. Streby, **D. J., McNeil**, and J. L. Larkin. "Recent Advances in Migratory Connectivity Research on Golden-winged Warblers". Northeast/Southeast Partners In Flight Conference. Virginia Beach, Virginia. October 2014.

7. Tisdale, A. C., J. A. Jones, L. Siefferman, C. G. Smalling, M. H. Bakermans, J. L. Larkin, D. A. Buehler, P. B. Wood, K. R. Aldinger, **D. J. McNeil**, and J. A. Lehman. "Male Plumage Signaling and Nesting Habitat in Golden-winged Warblers." 51st Animal Behavior Society Conference. Princeton, New Jersey. August 2014.
6. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. "Evaluating Golden-winged Warbler Use of Breeding Habitat Created by Natural Resource Conservation Service Practices". Northeast Association of Fish and Wildlife Agencies. Portland, Maine. April 2014.
5. **McNeil, D. J.**, M. H. Bakermans, D. A. Buehler, C. G. Smalling, P. B. Wood, and J. L. Larkin. "Factors Influencing Golden-winged Warbler Nesting Success and Territory Attributes: A Landscape Perspective." Indiana Univ. of PA Graduate Scholar's Forum. Indiana, Pennsylvania. April 2014.
4. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. "Assessing Golden-winged Warbler Response to NRCS Working Lands for Wildlife Effort in the Appalachian Mountains." Regional Science Consortium. Erie, Pennsylvania. November 2013.
3. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. "Assessing Golden-winged Warbler Response to NRCS Working Lands for Wildlife Effort in the Appalachian Mountains." Western Pennsylvania Conservation Conference (WPACC). Clarion, Pennsylvania. October 2013.
2. **McNeil, D. J.**, C. R. V. Otto, G. J. Roloff. "Golden-winged Warbler detection probability on point-counts both with and without playback recordings." Michigan Bird Conservation Initiative (MiBCI). Tustin, Michigan. April 2012.
1. **McNeil, D. J.**, C. R. V. Otto, G. J. Roloff. "Golden-winged Warbler detection probability on point-counts both with and without playback recordings." University Undergraduate Research and Arts Forum (UURAF). East Lansing, Michigan. March 2012.

*Poster presentations*

4. **McNeil, D. J.**, K. Anton, D. B. Sponsler, M. A. Kammerer, and C. M. Grozinger. "Using Broodminder Scale Data to Identify Honey Bee Colony Nectar Flows Across the Annual Cycle". Annual Meeting of Pennsylvania State Beekeepers Society. State College, Pennsylvania. October 2019.
3. Moser, E. L., **D. J. McNeil**, and J. L. Larkin. "Dynamic Habitat Associations of *Bombus* within Managed Early-successional Forests of Northern Pennsylvania". 94<sup>th</sup> Annual Meeting of Pennsylvania Academy of Science (PAS). Indiana, Pennsylvania. March 2018.

2. Can, M. J., C. J., Fiss, **D. J. McNeil**, and J. L. Larkin. "Male Prairie Warbler (*Setophaga discolor*) Habitat Associations in Managed Forests of Appalachia". 94<sup>th</sup> Annual Meeting of Pennsylvania Academy of Science (PAS). Indiana, Pennsylvania. March 2018.
1. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. "Landscape-scale Factors Associated with Golden-winged Warbler Nest-site Selection in Pennsylvania". 2015 Graduate Research Forum. Indiana, Pennsylvania. March 2015.

*Professional workshops*

3. Hoover, J., D. R. Jackson, **D. J. McNeil** and K. Yoder "Field Tour of the J. Hoover Tree Farm: Working Lands For Wildlife, 'Habitat Hero'". Society of American Foresters (SAF) – Rothrock Pennsylvania Chapter. Natural Resource Conservation Service Outreach Event. Blanchard, Pennsylvania. July 2018.
2. **McNeil, D. J.** "Preparation of the Avian Specimen for Use as a Study Skin". Laboratory Workshop. University of Pittsburgh. Bradford, Pennsylvania. November 2014.
1. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. "Response of Golden-winged warblers to NRCS-Conservation practices monitored via CEAP". First Annual Meeting of the Golden-winged Warbler Forester Group. Boalsburg, Pennsylvania. September 2014.

*Public presentations and outreach*

13. **McNeil, D. J.** "Identification of Eastern Wood-Warblers (Parulidae) by Sight and Sound. New Hampshire Audubon, Monthly Meeting. Virtual. May, 2021.
12. **McNeil, D. J.**, A. D. Rodewald, and J. L. Larkin. "The Birds and the Bees: Songbird and Pollinator Responses to Oak Regeneration in the Central Appalachian Mountains". Working Lands for Wildlife Webinar - The Long View: Sustaining Our Oak Forests. Ruffed Grouse Society Special Webinar. Virtual Meeting. May 2021
11. **McNeil, D. J.**, A. D. Rodewald, C. J. Fiss, and J. L. Larkin. "American Woodcock and Golden-winged Warbler Response to the Working Lands for Wildlife Partnership". Pheasants Forever, Pennsylvania Chapter. State College, Pennsylvania. August 2019.
10. **McNeil, D. J.**, A. D. Rodewald, C. J. Fiss, K. E. Johnson, A. Dhondt, K. Rosenberg, C. L. Mathis, K. R. Aldinger, and J. L. Larkin. "Silviculture Benefits Golden-winged Warblers and American Woodcock Across PA Forestlands". Pennsylvania Game Commission Annual Forester Training. Benezette, Pennsylvania. July 2019.
9. **McNeil, D. J.**, A. D. Rodewald, C. J. Fiss, K. E. Johnson, A. Dhondt, K. Rosenberg, and J. L. Larkin. "Conservation and Ecology of Golden-winged Warblers in Pennsylvania". Lancaster Bird Club. Lancaster, Pennsylvania. November 2018.

8. **McNeil, D. J.**, A. D. Rodewald, C. J. Fiss, K. E. Johnson, A. Dhondt, K. Rosenberg, and J. L. Larkin. “Population Dynamics of Species Recovery: Multiscale Responses to Habitat Restoration”. Department Seminar, Cornell Natural Resources. Ithaca, New York. September 2018.
7. **McNeil, D. J.** and M. L. Kazour. “Meet the Scientists: Pre-formative Molt in Passerine Birds”. Public discussion, Cornell Lab of Ornithology. Ithaca, New York. March 2018.
6. **McNeil, D. J.** “Insights into Avian Ecology Through Songbird Trapping, Capture, and Banding”. Public field demonstration, Indiana University of Pennsylvania Co-op. Indiana, Pennsylvania. October 2017.
5. **McNeil, D. J.** and R. E. Bennett. “Avian Vocalization 101: Monitoring Migrants with Audio Playback”. 11<sup>th</sup> Annual Migration Celebration, Cornell Lab of Ornithology. Ithaca, New York. September 2017.
4. **McNeil, D. J.** and R. E. Bennett. “Use of Playback as a Tool for Monitoring Migrant Songbirds”. 10<sup>th</sup> Annual Migration Celebration, Cornell Lab of Ornithology. Ithaca, New York. September 2016.
3. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. “Range-wide Conservation and Monitoring for Golden-winged Warbler and associated Species”. First Annual Golden-winged Warbler Weekend, Juniata Valley Audubon Society. Altoona, Pennsylvania. April 2015.
2. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. “Managing Habitat For Golden-winged Warblers: Nesting Requirements and Post-fledging Dispersal”. First Annual Golden-winged Warbler Weekend, Juniata Valley Audubon Society. Altoona, Pennsylvania. April 2015.
1. **McNeil, D. J.**, K. R. Aldinger, M. H. Bakermans, D. A. Buehler, J. A. Jones, J. A. Lehman, C. G. Smalling, A. C. Tisdale, P. B. Wood, and J. L. Larkin. “Demographic Response of the Golden-winged Warbler to Habitat Management across the Appalachians”. Todd Bird Club guest lecture, Indiana, Pennsylvania. February 2015.

## TEACHING:

*Courses taught*

“Avian Conservation and Management”. **University of North Carolina Wilmington** – Environmental Sciences. EVS 485/592. Fall, 2021. Exploration of the primary threats to North American bird populations, the ecological mechanisms that influence avian populations and management solutions that can enhance the conservation of avifauna. Mean ‘Individual Development and Educational Assessment’ (IDEA) score: 4.6 / 5.0

“Global Environmental Issues”. **University of North Carolina Wilmington** – Environmental Sciences. EVS 205. Fall, 2021. An interdisciplinary study of global environmental issues focusing on major current issues including human overpopulation, biodiversity loss, food and water scarcity, energy resources, atmospheric pollution,

environmental justice and climate change. Mean ‘Individual Development and Educational Assessment’ (IDEA) score: 4.7 / 5.0

“Wildlife Conservation in a Changing World”. **Cornell University** – Natural Resources. NTRES 1200. Fall, 2018. A writing-intensive Freshman Writing Seminar (FWS) focused on improving skills associated with scientific writing, using controversial topics in global wildlife conservation and management as a learning tool. Mean ‘Student Evaluation of Instruction’ (SEI) score: 4.7 / 5.0

*Academic guest lectures*

University of North Carolina Wilmington. Invited Guest Lecturer. 2021. “Developing Conservation Practices for Imperiled Species – Assessing Demographic Responses to Habitat Management”

University of British Columbia. Burton Lab Weekly Lab Meeting Invited Guest Lecturer. 2021. “Developing Conservation Practices for Imperiled Species – Assessing Demographic Responses to Habitat Management”

Indiana University of Pennsylvania – Undergraduate Ornithology. 2021. “Using Point Counts and Breeding Productivity Data to Study How Birds Respond to Habitat Restoration”

Cornell University, Natural Resources – Undergraduate Conservation Biology. 2017. “Forested Landscapes as Bird Habitat: Past, Present, and Future”.

Cornell University, Lab of Ornithology – Ornithology Seminar. 2017. “Uncovering the Secrets of the Golden-winged Warbler Post-fledging Period”.

Cornell University, Natural Resources – Undergraduate Conservation Biology. 2017. “Challenges of Conserving Migratory Animal Species”.

Cornell University, Natural Resources – Undergraduate Conservation Biology. 2017. “Responsible Forest Management: The Birds and the Bees”.

Indiana University of Pennsylvania, Natural Resources – Undergraduate Conservation Biology. 2017. “Introduction to Passerine Capture and Banding”. [Field demonstration]

Cornell University, Natural Resources – Undergraduate Introduction to Field Biology. 2016. “Forested Landscapes as Bird Habitat: Past, Present, and Future”.

Cornell Lab of Ornithology, Weekly Ornithology Seminar, 2016. “Range-wide Conservation and Monitoring for Golden-winged Warbler and Associated Species”.

Indiana University of Pennsylvania, Undergraduate Introduction to Field Biology. 2016. “Introduction to Passerine Capture and Banding”. [Field demonstration]



Cornell University, Natural Resources – Undergraduate Field Biology. 2016. “Use of Playback as a Tool for Monitoring Migrant Songbirds”. [Field demonstration]

Cornell University, Natural Resources – Undergraduate Introduction to Conservation Biology. 2016. “How Neotropical Warblers Shift Forest Management Paradigms”.

Indiana University of Pennsylvania, Undergraduate Conservation Biology. 2015. “Scientific Monitoring of Species Recovery: A Case-study using the Imperiled Golden-winged Warbler”.

Indiana University of Pennsylvania, Undergraduate Conservation Biology. 2015. “Radio Telemetry as a Tool for Studying Wild Animals”. [Field demonstration]

#### MENTORING:

##### *Completed*

1. Marilyn J. Can, BSc in Biology, Indiana University of Pennsylvania. Spring 2017. Independent research project: “Space Use by Prairie Warblers in Regenerating Mixed-oak Forests of Central Pennsylvania”.
2. Erin L. Moser, BSc in Biology, Indiana University of Pennsylvania. Fall 2018. Independent research project: “Dynamic Habitat Associations of *Bombus* spp. in Early Successional Forests of Northern Pennsylvania”.
3. Cameron J. Fiss, MSc in Biology, Indiana University of Pennsylvania. Spring 2018. Thesis project: “Multiscale Habitat Selection and Movement of Fledgling Golden-Winged Warblers (*Vermivora chrysoptera*) in Two Managed Mixed-Oak Forest Communities of Northern Pennsylvania”.
4. Monica R. Lee, BSc in Biology, Indiana University of Pennsylvania. Spring 2019. Independent research project: “Butterfly Communities Occupying Early Successional Deciduous Forests of the Central Appalachian Mountains”.
5. Dakotah Shaffer, BSc in Biology, Indiana University of Pennsylvania. Spring 2019. Independent research project: “Assessing the Potential Role of Lepidoptera Larvae Abundance on Breeding Productivity in a Foraging Specialist Songbird”.
6. Sarah M. Toner, BSc in Biology, Cornell University. Spring 2019. Independent research project: “Development, not Bird Feeders, is Associated with Increased Occupancy of Range-expanding Species in Northern Michigan”.
7. Kirsten E. Johnson, MSc in Biology, Indiana University of Pennsylvania. Thesis project: “Local and Landscape Scale Effects on American Woodcock Use of Early Successional Communities Managed for Golden-winged Warblers”.
8. Codey L. Mathis, MSc. in Biology, Indiana University of Pennsylvania. Thesis project: “Habitat Ecology of Native Insect Pollinators within Managed Early-successional Forests of Pennsylvania”.

Ongoing

1. Luke F. Gray, MSc. student in Biology, Indiana University of Pennsylvania. Thesis project: “Developing Survey Methods for Detecting Nesting American Woodcock (*Scalopax minor*) in Pennsylvania Forestlands”.
2. Dakotah Shaffer, MSc. student in Biology, Indiana University of Pennsylvania. Thesis project: “Cerulean Warbler (*Setophaga cerulea*) Use of Managed Forests Enrolled in Private Lands Conservation Programs in Pennsylvania and western Maryland”.
3. Elena Gratton, MSc. student in Entomology, Pennsylvania State University. Thesis project: “Assessing the Impacts of Insecticide Toxic Loads on Cricket and Katydid Communities within Agricultural Landscapes”.
4. Emma Keele, MSc. student in Biology, Indiana University of Pennsylvania. Thesis project: “An Assessment of Monarch Butterfly (*Danaus plexippus*) and Other Pollinator Use of Early Successional Communities Managed for Golden-winged Warbler (*Vermivora chrysoptera*) in the Western Great Lakes”.

## PROFESSIONAL MEMBERSHIPS:

Member of **The Wildlife Society** (TWS; 12/2013-Present)  
 Member of the **Entomological Society of America** (ESA; 12/2018-Present)  
 Member of **The Orthopterists’ Society** (12/2019-Present)  
 Member of the **American Ornithologists Union** (AOU; 12/2013-Present)  
 Member of the **Golden-winged Warbler Working Group** (08/2013-Present)  
 Secretary of **Cornell DNR Graduate Student Organization** (09/2015-05/2019)  
 Vice President of the **IUP Biology Grad. Student’s Society** (05/2013-05/2015)  
 President and Founder of **Michigan State Univ. Birding Club** (12/2011-05/2013)  
 Member of **MSU Fisheries and Wildlife Club** (07/2010-05/2013)  
 Member of **Brigham Audubon Society** (04/2006-05/2013)

## REFERENCES:

**Kyle R. Aldinger, Ph.D.**

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Kyle has been a mentor during my graduate work and remains a long-time collaborator (since 2013).

**Jeffery L. Larkin, Ph.D.**

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Jeff was my M.Sc. adviser at Indiana University of Pennsylvania (2013-15) and Ph.D. co-  
adviser at Cornell University (2015-19)

**Clint R. V. Otto, Ph.D.**

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United States Geological Survey at Northern Prairie Wildlife Research Center  
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701-253-5563  
Clint mentored me during my undergraduate at Michigan State University (2010-13) and  
I still collaborate with him on multiple projects today on pollinator