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ACADEMIC HISTORY

Present Rank: Professor, Interim Associate Department Head
NCSU University Faculty Scholar

Areas of Interest: Global change and wildlife; forest wildlife management with emphasis on fire ecology; conservation of wildlife in agricultural landscapes; avian ecology and conservation in temperate and tropical regions; urban wildlife ecology and management

Education

BS, Wildlife Ecology and Management, University of Georgia; December 1992
MS, Wildlife Ecology and Management, University of Georgia; March 1995
PhD, Wildlife Ecology and Management, Clemson University; May 1999

Employment History

2020-present	Professor and Interim Associate Head; Department of Forestry and Environmental Resources
2013-present	Professor and Coordinator; Fisheries, Wildlife, and Conservation Biology Program
2008-present	Associate Professor and Coordinator; Fisheries, Wildlife, and Conservation Biology
2005-2008	Associate Professor/Extension Wildlife Specialist, NCSU
1999-2005	Assistant Professor/Extension Wildlife Specialist, NCSU
1995-1999	Graduate Assistant, Clemson University, Dept. of Forest Resources
1995	Research Assistant, Patuxent Wildlife Research Center - UGA
1993-1995	Graduate Assistant, University of Georgia, School of Forest Resources

SELECT EXAMPLES OF PROFESSIONAL SERVICE

The Wildlife Society (1992-present), Certified Wildlife Biologist

- Associate Editor, *Wildlife Society Bulletin* (2002-2004)
- Urban Wildlife Working Group (2005-present) – Chair (2009-2011)
- Southeastern Section Chapter (1996-present) – Representative to the TWS Student Affairs Committee (1996-1997)
- North Carolina Chapter – President (2005-2006); Executive Board (2002-2010)

- NCSU Student Chapter – Co-adviser (2010-present)
 North Carolina Prescribed Fire Council (Lifetime Member) – Past Chair (2008)
 Associate Editor, *Urban Ecosystems* (2016-2019)
 Editor, 12th National Wild Turkey Symposium (2018-2021)

SCHOLARLY AND CREATIVE ACTIVITIES

Activity Summary

Book	2
Refereed Journal Articles	160
Book Chapters and Proceedings, and Peer-edited Articles	26
Research Presentations	341
External Research Grants (\$11,990,545)	60
External Extension Grants (\$663,141)	21
Internal Research and Extension Grants (\$978,477)	17
Printed and Electronic Extension Publications	60
Popular Articles	34
Extension Presentations/Trainings	413
Graduate Student Committees	44
Graduate Students Directed/Co-directed	43
Post-docs Directed	5
Courses Developed	7
Courses Delivered	65
Undergraduate Research Directed	13
Current Undergraduate Advisees (2020)	~15

Current Courses

Forest Wildlife (FOR 264; 1 cr), Summer Camp, every year
 Wildlife Habitat Management (FW 404/595; 3 cr) – fall semester, every year
 Tropical Wildlife Ecology (FW 405/595; 3 cr) – spring semester, even years
 Wildlife Field Techniques (FW 495: 3 cr) – spring semester, 2021, co-taught
 Fire Ecology (FOR 595 – online; 3 cr), fall semester, co-taught every year

BOOKS

Moorman, C. E., S. M. Grodsky, and S. Rupp (Eds.). 2019. *Renewable Energy and Wildlife Conservation*. Johns Hopkins University Press, Baltimore, MD. ISBN 9781421432724
 McCleery, R. A., C. E. Moorman, and M. N. Peterson (Eds.). 2014. *Urban Wildlife Conservation: Theory and Practice*. Springer, New York, NY. ISBN 978148997499-0.

PEER-REVIEWED JOURNAL ARTICLES SINCE 2015 [Underline indicates supervised graduate student or post-doc] [** indicates undergraduate researcher]

Choi, D. Y.**, A. C. Fish, C. E. Moorman, C. S. DePerno, and J. M. Schillaci. *In Press*. Breeding-season survival, home range size, and habitat selection of female Bachman's sparrow. *Southeastern Naturalist*.

Hannon, D. R., C. E. Moorman, A. D. Schultz, J. G. Jones, and C. S. DePerno. *In Press*. The relationship between upland hardwood distribution and avian occupancy in fire-maintained longleaf pine

- forests. *Forest Ecology and Management*. <https://doi.org/10.1016/j.foreco.2020.118546>
- Michel, E. S., B. K. Strickland, S. Demarais, J. L. Belant, T. M. Kautz, J. F. Duquette, D. E. Beyer, M. J. Chamberlain, K. V. Miller, R. M. Shuman, J. C. Kilgo, D. R. Diefenbach, B. D. Wallingford, J. K. Vreeland, S. S. Ditchkoff, C. S. DePerno, C. E. Moorman, M. C. Chitwood, M. A. Lashley. *In Press*. Relative reproductive phenology and synchrony affect neonate survival in a neoprecocial ungulate. *Functional Ecology*.
- Casola, W. R., M. N. Peterson, K. Pacifici, and C. E. Moorman. *In Press*. Public support and visitation impacts of Sunday hunting on public hunting lands. *Human Dimensions of Wildlife*. <https://doi.org/10.1080/10871209.2020.1811923>
- Fish, A. C., C. S. DePerno, J. M. Schillaci, and C. E. Moorman. *In Press*. Fledgling Bachman's Sparrows in a longleaf pine ecosystem: survival, movements, and habitat selection. *Journal of Field Ornithology*.
- Hannon, D. R., C. E. Moorman, A. D. Schultz, J. Gray, and C. S. DePerno. *In Press*. Predictors of fire-tolerant oak and fire-sensitive hardwood distribution in a fire-maintained longleaf pine ecosystem. *Forest Ecology and Management*.
- GeFellers, W., C. A. Harper, D. A. Buehler, C. E. Moorman, and J. M. Zobel. *In Press*. Seeding is not always necessary to restore native early successional plant communities? *Restoration Ecology*.
- Kroeger, T. J., C. S. DePerno, C. A. Harper, S. B. Rosche, and C. E. Moorman. *In Press*. Northern bobwhite non-breeding habitat selection in a longleaf pine woodland. *Journal of Wildlife Management*.
- Richardson, A. D., C. E. Moorman, T. J. Kroeger, C. A. Harper, B. Gardner, M. Jones, and B. Strope. *In Press*. Nesting ecology of northern bobwhite on a working farm. *Wildlife Society Bulletin*.
- Kroeger, T. J., C. E. Moorman, M. A. Lashley, M. C. Chitwood, C. A. Harper, and C. S. DePerno. *In Press*. Are overstory hardwoods important for white-tailed deer in longleaf pine woodlands? *Forest Ecology and Management*.
- Noonan, M. J. and others. *In Press*. Body size-dependent underestimation of mammalian area requirements. *Conservation Biology*.
- Boggs, A. D., C. E. Moorman, C. H. Greenberg, D. W. Hazel, and J. K. Pacifici. *In Press*. Relationships between white-footed mice and logging residue: informing the sustainability of potential wood bioenergy harvests. *Forest Ecology and Management*.
- Garabedian, J. E., C. E. Moorman, M. N. Peterson, and J. C. Kilgo. 2020. Effects of group size and density on trade-offs in resource selection by a group-territorial central-place foraging woodpecker. *Ibis* 162:477–491. doi: 10.1111/ibi.12733
- Boggs, A. D., C. E. Moorman, C. H. Greenberg, D. W. Hazel, and C. Sorenson. 2020. Ground-dwelling invertebrate abundance positively related to volume of logging residues in the Southern Appalachians, USA. *Forests* 11, 49; doi.org/10.3390/fl1111149
- Chitwood, M. C., M. A. Lashley, S. D. Higdon**, C. S. DePerno, and C. E. Moorman. 2020. Raccoon vigilance and activity patterns when sympatric with coyotes. *Diversity* 12, 341; doi:10.3390/d12090341
- Drake, M., M. N. Peterson, E. Griffith, C. Olfenbuttel, C. E. Moorman, and C. S. DePerno. 2020. How urban identity, affect, and knowledge predict opinions about coyotes and their management. *Anthrozoös* 33:5-19.
- Grodsky, S. M., R. R. Hernandez, J. W. Campbell, K. R. Hinson, O. Keller, S. R. Fritts, J. A. Homyack, and C. E. Moorman. 2020. Ground beetle (Coleoptera: Carabidae) response to harvest residue retention: Implications for sustainable forest bioenergy production. *Forests* 11, 48; doi:10.3390/fl1010048
- Garabedian, J. E., C. E. Moorman, M. N. Peterson, and J. C. Kilgo. 2019. Neighboring group density is more important than forest stand age to a threatened social woodpecker population. *Wildlife Biology* 2019: wlb.00574. <https://doi.org/10.2981/wlb.00574>
- Drake, M., M. N. Peterson, E. Griffith, C. Olfenbuttel, C. E. Moorman, and C. S. DePerno. 2019.

- Hunting interacts with socio-demographic predictors of human perceptions of urban coyotes. *Wildlife Society Bulletin* 43:447-454.
- Burke, C., M. N. Peterson, D. Sawyer, C. E. Moorman, C. Serenari, and K. Pacifici. 2019. A method for mapping hunting occurrence using publicly-available, geographic variables. *Wildlife Society Bulletin* 43:537-545.
- Taillie, P. J., C. E. Moorman, J. K. Pacifici, and L. S. Smart. 2019. Bird community shifts associated with saltwater exposure in coastal forests at the leading edge of rising sea level. *PLoS ONE* 14(5): e0216540. <https://doi.org/10.1371/journal.pone.0216540>
- Bragina, E. V., R. Kays, A. Hody, C. E. Moorman, C. S. DePerno, and L. S. Mills. 2019. White-tailed deer and coyote colonization; a response to Kilgo et al. (2019). *Journal of Wildlife Management* 83:1641-1643.
- Rosche, S. B., C. E. Moorman, C. S. DePerno, J. K. Pacifici, and J. G. Jones. 2019. Northern bobwhite breeding-season habitat selection in a frequently burned longleaf pine ecosystem. *Journal of Wildlife Management* 83:1226-1236.
- Taillie, P. J., C. E. Moorman, B. Poulter, M. Ardón, and R. E. Emanuel. 2019. Decadal-scale vegetation change driven by salinity at leading edge of rising sea level. *Ecosystems*. <https://doi.org/10.1007/s10021-019-00382-w>
- Garabedian, J. E., M. N. Peterson, C. E. Moorman, and J. C. Kilgo. 2019. Using qualitative methods to support recovery of endangered species: the case of red-cockaded woodpecker foraging habitat. *Global Ecology and Conservation*, e00553. <https://doi.org/10.1016/j.gecco.2019.e00553>
- Bragina, E. V., R. Kays, A. Hody, C. E. Moorman, C. S. DePerno, and L. S. Mills. 2019. Effects on white-tailed deer following eastern coyote colonization. *Journal of Wildlife Management* 83:916-924.
- Burke, C., M. N. Peterson, D. Sawyer, C. Moorman, C. Serenari, R. Meentemeyer, and C. DePerno. 2019. Predicting private landowner hunting access decisions and hunter density. *Human Dimensions of Wildlife* 24:99-115.
- Sasmal, I., C. E. Moorman, K. Pacifici, M. B. Swingen, S. Datta, and C. S. DePerno. 2019. Seasonal space use of transient and resident coyotes (*Canis latrans*) in North Carolina, USA. *Canadian Journal of Zoology* 97:326-331.
- Taillie, P. J., and C. E. Moorman. 2019. Marsh bird occupancy along a shoreline-to-forest gradient as marshes migrate from rising sea level. *Ecosphere* 10(1), e02555
- Fish, A. C., C. E. Moorman, C. S. DePerno, and J. M. Schillaci. 2019. Influence of military training on breeding ecology of a ground-nesting sparrow. *Journal of Wildlife Management* 83:72-79.
- Stevenson, E. R., M. A. Lashley, M. C. Chitwood, M. B. Swingen, C. S. DePerno, and C. E. Moorman. 2019. Resource selection by coyotes (*Canis latrans*) in a longleaf pine (*Pinus palustris*) ecosystem: effects of anthropogenic fires and landscape features. *Canadian Journal of Zoology* 97:165-171.
- **Bobay, L. R., P. J. Taillie, and C. E. Moorman. 2018. Use of autonomous recording units increased detection of a secretive marsh bird. *Journal of Field Ornithology* 89:384-392.
- Frew, K., M. N. Peterson, E. Sills, C. E. Moorman, H. Bondell, J. Fuller, and D. Howell. 2018. Market and non-market valuation of North Carolina's tundra swans among hunters, wildlife watchers, and the public. *Wildlife Society Bulletin* 42:478-487.
- Garabedian, J. E., C. E. Moorman, M. N. Peterson, and J. C. Kilgo. 2018. Evaluating interactions between space-use sharing and defence under increasing density conditions for the group-territorial Red-cockaded Woodpecker *Leuconotopicus borealis*. *Ibis* 160:816-831.
- Sasmal, I., E. L. Kilburg, C. S. DePerno, M. C. Chitwood, M. A. Lashley, B. A. Collier, and C. E. Moorman. 2018. Eastern wild turkey roost-site selection in a fire-maintained longleaf pine ecosystem. *Southeastern Naturalist* 17:371-380.
- Grodsky, S. M., J. W. Campbell, S. R. Fritts, T. B. Wigley, and C. E. Moorman. 2018. Variable responses of invasive and native ants to coarse woody debris following forest bioenergy harvests. *Forest Ecology and Management* 427:414-422.

- Taillie, P. J., R. D. Burnett, L. J. Roberts, B. R. Campos, M. N. Peterson, and C. E. Moorman. 2018. Interacting and non-linear avian responses to mixed-severity wildfire and time since fire. *Ecosphere* 9(6):e02291. 10.1002/ecs2.2291
- Greenberg, C. H., C. E. Moorman, C. E. Matthews-Snoberger, T. A. Waldrop, D. Simon, A. Heh, and D. Hagan. 2018. Long-term herpetofaunal response to repeated fuel reduction treatments. *Journal of Wildlife Management* 82:553-565.
- Garabedian, J. E., C. E. Moorman, M. N. Peterson, and J. C. Kilgo. 2018. Relative importance of social factors, conspecific density, and forest structure on space use by the endangered red-cockaded woodpecker: a new consideration for habitat restoration. *The Condor: Ornithological Applications* 120:305-318.
- Lashley, M. A., M. V. Cove, M. C. Chitwood, G. Penido, B. Gardner, C. S. DePerno, and C. E. Moorman. 2018. Estimating wildlife activity curves: comparison of methods and sample size. *Scientific Reports* 8:4173 doi:10.1038/s41598-018-22638-6
- Fish, A. C., C. E. Moorman, C. S. DePerno, J. M. Schillaci, and G. R. Hess. 2018. Predictors of Bachman's sparrow occupancy at its northern range limit. *Southeastern Naturalist* 17:104-116.
- Grodsky, S. M., C. E. Moorman, S. R. Fritts, J. W. Campbell, C. E. Sorenson, M. A. Bertone, S. B. Castleberry, and T. B. Wigley. 2018. Invertebrate community response to coarse woody debris removal for bioenergy production from intensively managed forests. *Ecological Applications* 28:135-148. **Journal Cover Photo.**
- Greenberg, C. H., T. Seiboldt, Tara L. Keyser, H. McNab, P. Scott, J. Bush, and C. E. Moorman. 2018. Reptile and amphibian response to season of burn in upland hardwood forest. *Forest Ecology and Management* 409:808-816.
- Morina, D.***, M. Lashley, M. C. Chitwood, C. E. Moorman, and C. S. DePerno. 2017. Should we use the float test to quantify acorn viability? *Wildlife Society Bulletin* 41:776-779.
- McAlister, M., C. DePerno, J. Fuller, D. Howell, and C. Moorman. 2017. A comparison of field methods to estimate resident Canada goose abundance. *Wildlife Society Bulletin* 41:685-690.
- Lashley, M. A., M. C. Chitwood, J. S. Nanney**, C. S. DePerno, and C. E. Moorman. 2017. Regenerating white pine (*Pinus strobus*) in the South: seedling position is more important than herbivory protection. *Castanea* 82:156-162.
- Fritts, S. R., C. E. Moorman, S. M. Grodsky, D. W. Hazel, C. B. Farrell, S. B. Castleberry, E. H. Evans, and D. U. Greene. 2017. Rodent response to harvesting woody biomass for bioenergy production. *Journal of Wildlife Management* 81:1170-1178.
- Lashley, M. A., M. C. Chitwood, C. S. DePerno, and C. E. Moorman. 2017. Frequent fires eliminate understory fruit production. *Forest Ecology and Management* 405:9-12.
- Winiarski, J., J. Carpenter, and C. E. Moorman. 2017. Bachman's Sparrows at the northern periphery of their range: home range size and microhabitat selection. *Journal of Field Ornithology* 88:250-261.
- Chitwood, M. C., M. A. Lashley, C. E. Moorman, and C. S. DePerno. 2017. Setting an evolutionary trap: could the hider strategy be maladaptive for white-tailed deer? *Journal of Ethology* 35:251-257.
- Winiarski, J., C. E. Moorman, J. Carpenter, and G. Hess. 2017. Reproductive consequences of habitat fragmentation for a declining resident bird of the longleaf pine ecosystem. *Ecosphere* 8(7):e01898. 10.1002/ecs2.1898
- Chitwood, M. C., M. A. Lashley, C. S. DePerno, and C. E. Moorman. 2017. Considerations on neonatal ungulate capture method: potential for bias in survival estimation and cause of mortality. *Wildlife Biology*. <https://doi.org/10.2981/wlb.00250>
- Chitwood, M. C., M. A. Lashley, J. C. Kilgo, M. Cherry, M. Conner, M. Vukovich, S. Ray, C. Ruth, Jr., R. Warren, C. S. DePerno, and C. E. Moorman. 2017. Are camera surveys useful for assessing recruitment in white-tailed deer? *Wildlife Biology*. <https://doi.org/10.2981/wlb.00178>
- Rodriguez, S., M. N. Peterson, and C. E. Moorman. 2017. Does education influence wildlife friendly landscaping preferences? *Urban Ecosystems* 20:489-496.
- Winiarski, J., A. C. Fish, C. E. Moorman, J. P. Carpenter, C. S. DePerno, and J. M. Schillaci. 2017.

- Nest-site selection and nest survival of Bachman's Sparrows in two longleaf pine communities. *The Condor: Ornithological Applications* 119:361-374.
- Garabedian, J. E., C. E. Moorman, M. N. Peterson, and J. C. Kilgo. 2017. Use of LiDAR to define habitat thresholds for forest bird conservation. *Forest Ecology and Management* 399:24-36.
- McAlister, M. A., C. E. Moorman, R. K. Meentemeyer, J. C. Fuller, D. L. Howell, and C. S. DePerno. 2017. Using landscape characteristics to predict distribution of temperate-breeding Canada geese. *Southeastern Naturalist* 16:127-139.
- Sasmal, I., M. B. Swingen, C. S. DePerno, and C. E. Moorman. 2017. Influence of vegetation type and prescribed fire on *Peromyscus* abundance in a longleaf pine ecosystem. *Wildlife Society Bulletin* 41:49-54.
- Moorman, C. E., R. L. Klimstra, J. F. Marcus, C. A. Harper, and C. Sorenson. 2017. Breeding songbird use of native, warm-season and non-native, cool-season grass forage fields. *Wildlife Society Bulletin* 41:42-48.
- Chitwood, M. C., M. A. Lashley, B. L. Sherrill, C. Sorenson, C. S. DePerno, and C. E. Moorman. 2017. Macroarthropod response to time-since-fire in the longleaf pine ecosystem. *Forest Ecology and Management* 391:390-395.
- Biggerstaff, M. T.**, M. A. Lashley, M. C. Chitwood, C. E. Moorman, and C. S. DePerno. 2017. Temporal sexual segregation of forage patch use: support for the social-factors hypothesis. *Behavioral Processes* 136:36-42.
- Grodsky, S. M., C. E. Moorman, S. R. Fritts, S. B. Castleberry, and T. B. Wigley. 2016. Breeding, early-successional bird response to forest harvests for renewable bioenergy. *PLOS ONE* 11(10): e0165070. doi:10.1371/journal.pone.0165070.
- Grodsky, S. M., C. E. Moorman, S. R. Fritts, D. W. Hazel, J. A. Homyack, S. B. Castleberry, and T. B. Wigley. 2016. Winter bird use of harvest residues in clearcuts and the implications of forest bioenergy harvest in the southeastern United States. *Forest Ecology and Management* 379:91-101.
- Stevenson, E. R., M. C. Chitwood, M. A. Lashley, K. H. Pollock, M. B. Swingen, C. E. Moorman, and C. S. DePerno. 2016. Survival and cause-specific mortality of coyotes on a large military installation. *Southeastern Naturalist* 15:459-466.
- Gardner, B., L. A. Garner, D. T. Cobb, and C. E. Moorman. 2016. Factors affecting occupancy and relative abundance of the American alligator at the northern extent of its range. *Journal of Herpetology* 50:541-547.
- Greenberg, C. H., C. E. Moorman, A. L. Raybuck, C. Sundol, T. L. Keyser, J. Bush, D. M. Simon, and G. S. Warburton. 2016. Reptile and amphibian response to oak regeneration treatments in productive southern Appalachian hardwood forest. *Forest Ecology and Management* 377:139-149.
- Bohling, J. H., J. Dellinger, J. M. McVey, D. T. Cobb, C. E. Moorman, and L. P. Waits. 2016. Describing a developing hybrid zone between red wolves and coyotes in eastern North Carolina, USA. *Evolutionary Adaptations* 9:791-804.
- Prince, A., M. C. Chitwood, M. A. Lashley, C. S. DePerno, and C. E. Moorman. 2016. Resource selection by southeastern fox squirrels in a fire-maintained forest system. *Journal of Mammalogy* 97:631-638.
- Lashley, M. A., M. C. Chitwood, C. E. Moorman, and C. S. DePerno. 2016. Do indirect bite count surveys accurately represent diet selection of white-tailed deer in a forested environment? *Wildlife Research* 43:254-260.
- Fritts, S., C. Moorman, D. Hazel, J. Homyack, C. Farrell, S. Castleberry, and S. Grodsky. 2016. Do biomass harvesting guidelines influence herpetofauna following harvests of logging residues for renewable energy? *Ecological Applications* 26:926-939.
- Harper, C. A., W. M. Ford, M. A. Lashley, C. E. Moorman, and M. Stambaugh. 2016. Fire effects on wildlife in the Central Hardwoods and Appalachian regions. *Fire Ecology* 12:127-159.
- Stevenson, K., M. A. Lashley, M. C. Chitwood, M. N. Peterson, and C. E. Moorman. 2015. How

- emotion trumps logic in climate change risk perception: exploring the affective heuristic among conservation science students. *Human Dimensions of Wildlife* 20:501-513.
- Lashley, M. A., M. C. Chitwood, J. R. Thompson, C. A. Harper, C. S. DePerno, and C. E. Moorman. 2015. Variability in fire prescriptions to promote wildlife foods in the longleaf pine ecosystem. *Fire Ecology* 11:62-79.
- Marshall, S., D. Orr, L. Bradley, S. Frank, and C. Moorman. 2015. A review of organic lawn care practices and policies in North America and the implications of lawn plant diversity and insect pest management. *Hort Technology* 25:437-446.
- Rutledge, M. E., C. E. Moorman, B. E. Washburn, and C. S. DePerno. 2015. Analyzing resident Canada goose movements to reduce the risk of goose-aircraft collisions at suburban airports. *Journal of Wildlife Management* 79:1185-1191.
- Lashley, M. A., M. C. Chitwood, C. A. Harper, C. E. Moorman, and C. DePerno. 2015. Poor soils and density-mediated body weight in deer: forage quality or quantity? *Wildlife Biology* 21:213-219.
- Chitwood, M. C., M. B. Swingen, M. A. Lashley, J. R. Flowers, M. B. Palamar, C. S. Apperson, C. Olfenbittel, C. E. Moorman, and C. S. DePerno. 2015. Parasitology and serology of free-ranging coyotes (*Canis latrans*) in North Carolina. *Journal of Wildlife Diseases* 51:664-669.
- Swingen, M. B., C. S. DePerno, and C. E. Moorman. 2015. Seasonal coyote diet composition at a low-productivity site. *Southeastern Naturalist* 14:397-404.
- Raybuck, A. L., C. E. Moorman, S. R. Fritts, C. H. Greenberg, C. S. DePerno, D. M. Simon, and G. S. Warburton. 2015. Do silvicultural practices to restore oaks affect salamanders in the short term? *Wildlife Biology* 21:186-194.
- Serenari, C., M. N. Peterson, F. Cubbage, and C. E. Moorman. 2015. Application of choice experiments to determine stakeholder preferences for woody biomass harvesting guidelines. *Journal of Sustainable Forestry* 34:343-357.
- Lashley, M. A., M. C. Chitwood, R. Kays, C. A. Harper, C. S. DePerno, and C. E. Moorman. 2015. Prescribed fire affects female white-tailed deer habitat use during summer lactation. *Forest Ecology and Management* 348:220-225.
- Grodsky, S. M., R. Iglay, C. Sorenson, and C. E. Moorman. 2015. Should invertebrates receive greater inclusion in wildlife research journals? *Journal of Wildlife Management* 79:529-536.
- Klimstra, R. L., C. E. Moorman, S. J. Converse, J. A. Royle, and C. A. Harper. 2015. Small mammal use of hayed native, warm-season and non-native cool-season forage fields. *Wildlife Society Bulletin* 39:49-55.
- Fritts, S., S. Grodsky, D. Hazel, J. Homyack, S. Castleberry, and C. E. Moorman. 2015. Quantifying multi-scale habitat use of woody biomass by southern toads. *Forest Ecology and Management* 346:81-88.
- Kilburg, E., C. E. Moorman, C. S. DePerno, D. Cobb, and C. A. Harper. 2015. Wild turkey pre-nesting resource selection in a landscape managed with frequent prescribed burns. *Southeastern Naturalist* 14:137-146.
- Chitwood, M. C., M. A. Lashley, J. C. Kilgo, K. Pollock, C. E. Moorman, and C. S. DePerno. 2015. Do biological and bedsite characteristics influence survival of neonatal white-tailed deer? *PLOS ONE* 10(3): e0119070. doi:10.1371/journal.pone.0119070.
- Taillie, P., C. E. Moorman, and M. N. Peterson. 2015. Using Bachman's sparrow occupancy to guide restoration of longleaf pine ecosystems at multiple scales. *The Condor* 117:137-146.
- Chitwood, M. C., M. A. Lashley, J. C. Kilgo, C. E. Moorman, and C. S. DePerno. 2015. White-tailed deer population dynamics and adult female survival in the presence of a novel predator. *Journal of Wildlife Management* 79:211-219.
- Fritts, S., C. E. Moorman, S. Grodsky, D. Hazel, J. Homyack, C. Farrell, and S. Castleberry. 2015. Shrew response to variable woody debris retention: implications for sustainable forest bioenergy. *Forest Ecology and Management* 336:35-43.

SELECTED PRESENTATIONS (from over 700 research and extension presentations)

- Reptile and amphibian response to hardwood forest management. Association of Southeastern Biologists Annual Meeting, Asheville, NC.
- An experimental approach to assess the effects of woody biomass harvests on wildlife habitat. International Association of Landscape Ecologists Annual Meeting, Asheville, NC.
- Prescribed fire on non-industrial private forestlands: implications for non-game wildlife. 7th Annual Conference of The Wildlife Society, Nashville, TN.
- Reconciling conflicting requirements for greenways in residential landscapes. 2009 International Symposium on Urban Wildlife and the Environment, Univ. of Massachusetts-Amherst.
- Conserving bobwhite in agricultural landscapes: what research in North Carolina tells us. Natural Resources Conservation Service East Region Biologist and Environmental Compliance Specialist Operation Meeting, Greensboro, NC.
- Woody biomass and wildlife. *Forest Issues Forum* Teleconference, North Carolina State University, Raleigh, NC.
- Using prescribed fire in an urbanizing state. NC Division of SAF Summer Meeting, Carthage, NC.
- Managing for nongame wildlife. *Master Wildlifer 2003* Satellite Series, Clemson University, Clemson, SC.
- Barriers to conservation based development in North Carolina. 15th Annual Conference of The Wildlife Society, Miami, FL.
- Effects of patch size and shape on bird presence and nest survival in scrub-successional riparian buffer. 2008 Annual Meeting of TWS, Miami, FL.

SELECTED EXTENSION PUBLICATIONS (from over 80 popular and web-based pubs)

- C. E. Moorman, and R. A. Hamilton. 2000. Developing Wildlife Friendly Pine Plantations. North Carolina Cooperative Extension Service, Woodland Owner Note #38.
- Moorman, C., M. Johns, L. T. Bowen, and others. 2002. Landscaping for Wildlife with Native Plants. NC Cooperative Extension Service AG-636-3. 12 pp.
- Moorman, C. E. 2002. Burnin' for Wildlife. *Forest Landowner* 61(3):5-9.
- Moorman, C. E. 2003. Think American: Manage Native Plants for Wildlife. *Forest Landowner* 62(3):5-9.

Graduate Student Advisees (Fisheries, Wildlife, and Conservation Biology unless noted)

Jamie R. Hull, MS, 2003 (co-directed with George Hess) – Can Urban Greenways Provide High Quality Avian Habitat?

Liessa T. Bowen, PhD (Forest Management), 2004 – Seasonal Relationship between Birds and Arthropods in Bottomland Forest Canopy Gaps

Tracey B. Champlin, MS, 2007 – Do Food Availability and Microclimate Determine Bird Use of Forest Canopy Gaps?

Salina M. Kohut, MS, 2007 (co-directed with George Hess) – Avian Use of Suburban Greenways as Stopover Habitat

Jason D. Riddle, PhD, 2007 – Maximizing the Impact of Field Borders for Northern Bobwhite and Early-Succession Songbirds

Charlotte E. Matthews, MS, 2008 – Response of Herpetofaunal Populations to Prescribed Fire and Mechanical Fuel Reduction in the Southern Appalachians

Corey S. Shake, MS, 2009 – Effects of Buffer Width, Patch Size and Shape, and Landscape Context on Bird Communities and Nest Success in Conservation Reserve Enhancement Program (CREP) Forested Riparian Buffers

Amelia L. Savage, MS, 2009 – Foraging Habits of Swainson’s Warbler in a Managed Forest Landscape

Chris R. Ayers, MS, 2009 (co-directed with Chris DePerno) – Longevity of FlightControl PLUS Goose Repellency Following Two Mowing Regimes

Emily Blackman, MS, 2011 (co-directed with Chris DePerno and Nils Peterson) – American Woodcock Use of Crop Fields during Winter

Kate E. Golden, MS, 2010 (co-directed with Chris DePerno) – Fee-hunting and Wildlife Management Activities by Non-industrial Private Landowners in North Carolina

Liz Rutledge, PhD (co-directed with Chris DePerno) – Non-migratory Canada Goose Movement Around Piedmont Triad International Airport

Stephen Allen, MS, 2011 (co-directed with Susan Moore) – Identifying Barriers to Implementation of Conservation Subdivisions

Amy Raybuck, MS, 2011 (co-directed with Chris DePerno) – Small Mammal and Herpetofauna Response to Oak Regeneration Treatments in the Southern Appalachian Mountains

Justin McVey, MS, 2012 (co-directed with David Cobb) – Food Habits of Co-occurring Coyote and Red Wolf

Ryan Klimstra, MS – Bird and Small Mammal Use of Native Warm-season and Exotic Cool-season Grass Fields

Charlie Plush, MS, 2011 – Comparing Wildlife Habitat Value of Planted and Fallow Field Borders on an Organic Farm

Shannon Bowling, MS, 2012 – Multi-scale Factors that Influence Northern Bobwhite and Songbird Abundance in CP33 Borders

Sharon Becker Hux, MS, 2012 – Temporal Changes in Amphibian and Reptile Communities in an Urbanized Landscape

Sarah Fritts, PhD, 2014 (co-directed with Dennis Hazel) – Ground-dwelling Wildlife Response to Biomass Harvesting Guidelines Used During Clearcut Harvests

Colter Chitwood, PhD, 2014 (co-directed with Chris DePerno) – White-tailed Deer Fawn Mortality and Movements in the North Carolina Sandhills

Marcus Lashley, PhD, 2014 (co-directed with Chris DePerno) – Effects of Growing-season Prescribed Fire on White-tailed Deer Habitat Use

Morgan Elfelt/Swingen, MS, 2014 (co-directed with Chris DePerno) – Coyote Survival and Movement Ecology in the Longleaf Pine-Wiregrass Ecosystem

Eric Kilburg, MS, 2013 (co-directed with Chris DePerno) - Effects of Growing-season Prescribed Fire on Wild Turkey Habitat Use

Annemarie Prince, MS, 2013 (co-directed with Chris DePerno) - Effects of Growing-season Prescribed Fire on Fox Squirrel Habitat Use

Paul Taillie, MS, 2013 (co-directed with Nils Peterson) – Using Distribution and Abundance of Birds to Guide Management of Fire-maintained Forest Ecosystems

Steve Grodsky, PhD, 2016 – Effects of Woody Biomass Harvest on Arthropods and Shrubland Birds

Lindsey Garner, MS, 2017 (co-directed with David Cobb) – Population Status of American

Alligator in North Carolina

James Garabedian, PhD, 2017 (co-directed with Nils Peterson) – Influence of Density on Red-cockaded Woodpecker Group Ecology

Byron Levan, MFW, 2019 (co-directed with Chris DePerno) – Managing Vegetation Communities in Wildlife Openings

Alex Fish, MS, 2017 (co-directed with Chris DePerno) – Effects of Military Training Activity on Bachman’s Sparrow Reproductive Ecology

Andy Richardson, MS, 2016 – Dispersal Dynamics of Northern Bobwhite in a Presumed Source Landscape

Jay Winiarski, MS, 2016 – Demographic Characteristics of a Bachman’s Sparrow Population in a Fragmented Landscape

Mark McAlister, MS, 2016 (co-directed with Chris DePerno) – Quantification of Resident Canada Goose Population Density and Distribution in North Carolina

Beth Stevenson, MS, 2016 (co-directed with Chris DePerno) – Coyote Space Use in Relation to Prey Availability

Paul Taillie, PhD, 2018 – Influence of Salinization in Advance of Sea Level Rise on Coastal Birds

Sarah Rosche, MS, 2018 (co-directed with Chris DePerno) – Effects of Growing-season Prescribed Fire on Northern Bobwhite Habitat Selection

April Boggs, MS, 2019 – Relationships between Volume of Residual Logging Debris and Mouse and Invertebrate Populations

Tony Kroeger, MS, 2019 (co-directed with Chris DePerno) – Northern Bobwhite and White-tailed Deer Habitat Selection in the NC Sandhills

Dan Hannon, MS, 2019 (co-directed with Chris DePerno) – Use of Hardwood Inclusions by Wildlife in the Longleaf Pine Ecosystem

David Moscicki, PhD (co-directed with Krishna Pacifici) – Multi-scale Assessment of Wild Turkey Population Demographics in North Carolina

Daniel Choi, MR (co-directed with Chris DePerno) – Female Bachman’s Sparrow Habitat Selection

Grainne O’Grady, MFW, 2020 – Integrating a Protocol to Monitor Passerine Communities with Service Learning