


JOHN M. YEISER

Warnell School of Forestry and Natural Resources,
University of Georgia,
180 E Green Street,
Athens, GA 30605.

(859) 749-1922 

@JMYeiser 

yeisjohn@gmail.com 

johnyeiser.wordpress.com 

professional

July 2018–Present: **Post-doctoral Research Associate**, Warnell School of Forestry and Natural Resources, University of Georgia
January 2015–June 2018: **Graduate Research Assistant**, Warnell School of Forestry and Natural Resources, University of Georgia
May 2013–December 2014: **Wildlife Biologist I**, Research Program, Kentucky Department of Fish and Wildlife Resources

education

PhD, Forest Resources (Wildlife Conservation), University of Georgia, 2018.
Dissertation: *A Landscape-scale Perspective to Grassland Bird Conservation in Agroecosystems*.
MS, Biology, Eastern Kentucky University, 2013.
Thesis: *Habitat Associations of Stream-dwelling Salamanders at Multiple Spatial Scales in Central Kentucky Headwaters*.
BS, Biology, Eastern Kentucky University, 2011.

peer-reviewed publications

Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin. 2018. Private land conservation has landscape-scale benefits for wildlife in agroecosystems. *Journal of Applied Ecology* 55 (4), 1930–1939
Orange, J. P., **J. M. Yeiser**, D. L. Baxley, J. J. Morgan, and B. A. Robinson. 2017. Evaluating bird type and dog exposure on Northern Bobwhite hunter success on a reclaimed mineland in Kentucky. *Quail VIII: Proceedings of the Eighth National Quail Symposium*.
John J. Morgan, **J. M. Yeiser**, D. L. Baxley, G. Sprandel, B. A. Robinson, and K. Wethington. 2017. A focused habitat approach for Northern Bobwhite restoration in Kentucky. *Quail VIII: Proceedings of the Eighth National Quail Symposium*.
Yeiser, J. M., D. L. Baxley, B. A. Robinson, J. J. Morgan, J. N. Stewart, and J. O. Barnard. 2016. A comparison of coal mine reclamation seed mixes in Kentucky: implications for grassland establishment in Appalachia. *International Journal of Mining Reclamation and Environment* 30:257–267.
Yeiser, J. M., and S. C. Richter. 2015. Microhabitat conditions influence mesohabitat associations and distribution of larval salamanders in headwater streams. *Hydrobiologia* 751:175–187.
Yeiser, J. M., D. L. Baxley, B. Robinson, and J. Morgan. 2015. Using prescribed fire and herbicide to manage rank native warm season grass for northern bobwhite. *Journal of Wildlife Management* 79:69–76.
Schyler O. Nunziata, S. C. Richter, R. D. Denton, **J. M. Yeiser**, D.E. Wells, K. L. Jones, C. Hagen, and S. L. Lance. 2012. Fourteen novel microsatellite markers for the gopher frog, *Lithobates capito* (Amphibia: Ranidae). *Conservation Genetics Resources* 4:201–203.

publications in review

Yeiser, J. M., J. J. Morgan, D. L. Baxley, and J. A. Martin. Spatial variability in management of fields enrolled in the Conservation Reserve Enhancement Program. In review. *Journal of Wildlife Management*

technical reports

J. A. Martin, R. B. Chandler, J. Giocomo, M. Cline, and **J. M. Yeiser**. Uncertainty and entanglement of habitat loss and fragmentation effects in the management of northern bobwhites and eastern meadowlarks. Final Report for Gulf Prairie Landscape Conservation Cooperative.

workshops and stakeholder meetings

Yeiser, J. M. and J. A. Martin. Preliminary results: expert opinion survey. Stakeholder meeting in Ames, IA. January, 2018.
Yeiser, J. M. and J. A. Martin. CIP analysis update: 2013–2018. Stakeholder meeting in Ames, IA. January, 2018.
Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin. Benefits of the Conservation Reserve Enhancement Program to grassland birds. Stakeholder meeting: Preserving the legacy of the Kentucky Conservation Reserve Enhancement Program. October, 2018.

- Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin. A decision tool to guide grassland conservation in Kentucky. Stakeholder meeting: Preserving the legacy of the Kentucky Conservation Reserve Enhancement Program. October, 2018.
- Yeiser, J. M. and J. A. Martin. Coordinated Implementation Program Update: 2013–2017. National Bobwhite Conservation Initiative Coordinated Implementation Program Workshop. National Bobwhite Technical Committee Annual Meeting. Albany, GA, August 9–10, 2018.
- Foley, M., J. A. Martin, J. M. Yeiser, J. Howell, and T. Dailey. National Bobwhite Conservation Initiative Coordinated Implementation Program Workshop. National Bobwhite Technical Committee Annual Meeting. Albany, GA, August 9–10, 2018.
- Martin, J. A. and J. M. Yeiser. An expert elicitation survey about Northern Bobwhite habitat. Science Subcommittee Meeting. National Bobwhite Technical Committee Annual Meeting. Albany, GA, August 6–8, 2018.
- Yeiser, J. M. and J. A. Martin. Expected analytical products of the Farm Service Agency - Coordinated Implementation Program study. Stakeholder meeting. Chillicothe, MO. January 10-12, 2018.
- Martin, J. A. and J. M. Yeiser. Coordinated Implementation Program Update: 2013–2016. Science Subcommittee Meeting. National Bobwhite Technical Committee Annual Meeting and the 8th National Quail Symposium, Knoxville, TN, July 25–28, 2017.
- Yeiser, J. M. State-space modeling. 2016. A workshop-style lecture given to Warnell Graduate Students and Faculty. Athens, GA.
- Yeiser, J. M. Fitting statistical models using Bayesian methods. 2016. A workshop-style lecture given to Warnell Graduate Students. Athens, GA.
- Yeiser, J. M. Using Akaike's Information Criterion for model selection. 2014. Given to Kentucky Department of Fish and Wildlife Resources Biologists. Frankfort, KY.

applying
science to
management

- Built a Shiny app used to elicit expert opinion about Northern Bobwhite habitat parameters: <https://gamelab.shinyapps.io/survey/>
- Developed a spatially-explicit decision support tool that is currently informing optimization of private land conservation in south central Kentucky (**Figure 1**). This tool was also used to guide habitat management for Northern Bobwhite at Clay Wildlife Management Area in Kentucky.

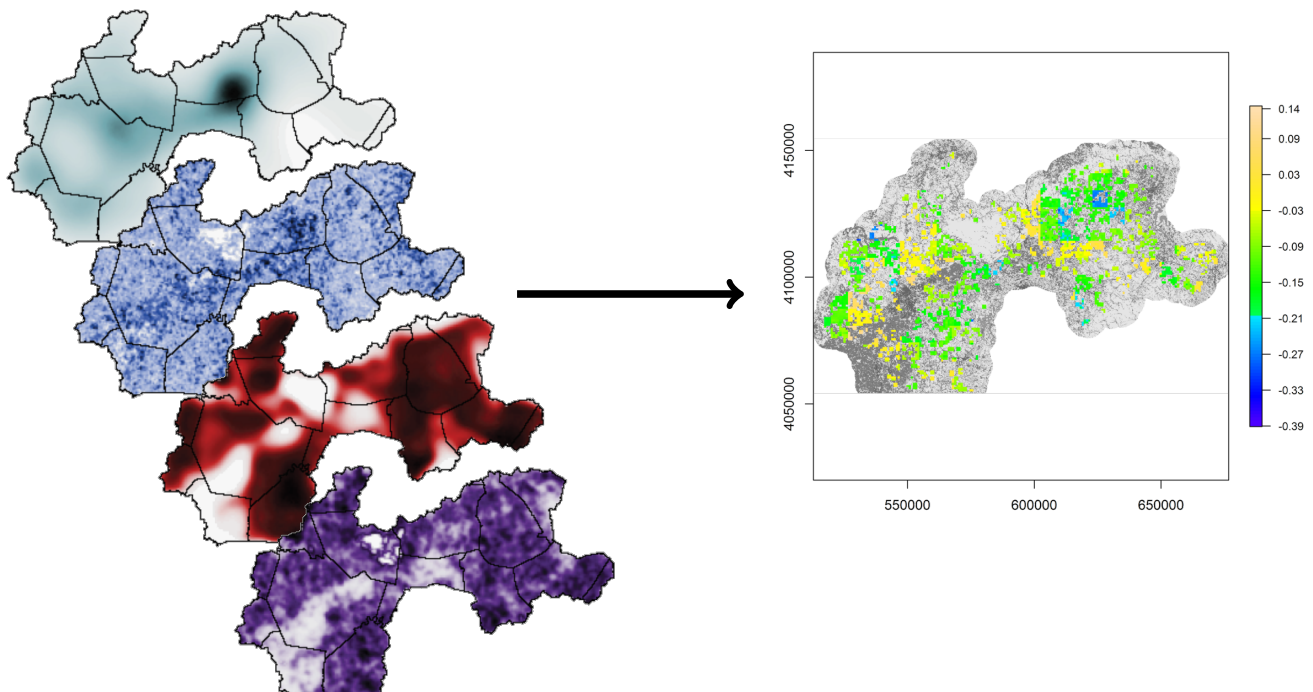


Figure 1. The 4 species density surfaces on the left (from top to bottom: Dickcissels, Eastern Meadowlarks, Northern Bobwhites, and Field Sparrows) are inputs into a decision support tool that I built using hierarchical modeling in programs R and JAGS. The result (right) is the influence of enrolling conservation fields on utility, a measure of stakeholder satisfaction given a set of objectives.

**funded
proposals**

Adaptive Management to Optimize Northern Bobwhite Populations, Hunter Satisfaction, Timber Revenue, and Other Objectives

2019–2020, \$197,370

Principal Investigators: James Martin, University of Georgia

Co-principal Investigators: Paige Howell, John Yeiser, Bynum Boley, University of Georgia

Collaborators: Dallas Ingram, Jessica McGuire, Alan Isler, Brent Howze, Drew Zellner, Matt Payne, Georgia Department of Natural Resources

Status and Management of Ruffed Grouse in the North Georgia

2018–2020, \$261,891

Principal Investigators: Richard Chandler, James Martin, University of Georgia

Co-principal Investigators: Mark McConnell, Paige Howell, Greg Wann, John Yeiser, University of Georgia and Mississippi State University

Collaborators: Tina Johannsen and Adam Hammond, Georgia Department of Natural Resources

Working Lands for Wildlife–Pine Savanna Project for Bobwhite: Does it contribute to National Bobwhite Conservation Initiative Population Goals?

2018–2020, \$208,884

Principal Investigators: James Martin, University of Georgia

Co-principal Investigators: Richard Chandler, John Yeiser, Tom Prebyl, University of Georgia

Collaborators: Bridgette Costanzo, Malissa Martin, Natural Resources Conservation Service

Study of Population Response of Bobwhite to the Conservation Reserve Program within the NBCI Coordinated Implementation Program

2017–2019, \$88,600

Principal Investigators: James Martin, University of Georgia

Co-principal Investigators: John Yeiser, University of Georgia

Collaborators: Tom Dailey, Molly Foley, National Bobwhite Conservation Initiative, University of Tennessee.

Additional collaborators: 19 state resource management agencies across the eastern U.S.

Landscape-scale Effects of the Conservation Reserve Enhancement Program on Grassland Bird Populations in Kentucky.

2015–2018, \$167,700

Principal Investigators: James Martin, University of Georgia

Co-principal Investigators: Richard Chandler, John Yeiser, University of Georgia

Collaborators: John Morgan, Danna Baxley, Kentucky Department of Fish and Wildlife Resources

**invited
presentations**

Yeiser, J. M., T. Dailey, M. Foley, and J. Martin. Population responses of Northern Bobwhite and grassland birds to the Coordinated Implementation Program. Planned October 2019. Proposed symposium: Natural Resource Conservation in Agricultural Landscapes. The Wildlife Society Meeting, Reno NV.

Yeiser, J. M., J. Morgan, D. Baxley, R. Chandler, and J. Martin. Species-specific landscapes and the opportunity costs of the flagship approach to grassland conservation. Planned August 2019. Proposed symposium: Bobwhites and Grassland Birds in Working Lands. America's Grassland Conference, Bismark, ND.

Yeiser, J. M., A. L. Jackson, D. C. Sisson, T. Terhune, and J. A. Martin. November 2018. Predation management increases bobwhite harvest opportunities. Tall Timbers Game Bird Seminar, Tallahassee, FL.

Yeiser, J. M., J. Morgan, D. Baxley, and J. Martin. August 2017. Effects of broad-scale conservation on Northern Bobwhite populations in agricultural landscapes. Plenary. The 8th National Quail Symposium, Knoxville, TN.

Yeiser, J. M., J. Morgan, D. Baxley, and J. Martin. August 2015. Strategic monitoring of northern bobwhite and its application to their conservation in agricultural landscapes. Oral presentation during Plenary Session: The National Bobwhite Technical Committee Meeting, Galloway, NJ.

**contributed
presentations**

Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin, 2018. Opportunity costs of the flagship approach to farmland conservation. Poster Presentation: 2018 Joint Wildlife Research Update Meeting, Georgia Department of Natural Resources-Wildlife Resources Division and Warnell School of Forestry and Natural Resources, Charlie Elliot Wildlife Research Center, Mansfield, GA.

Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin. 2018. A spatially targeted decision support tool for Northern Bobwhite conservation planning. Warnell Graduate Student Symposium, University of Georgia, Athens, GA

- Yeiser, J. M., J. A. Martin, D. Baxley, and J. Morgan. 2017. How close is close enough? Using spatially targeted enrollment to prioritize private land conservation. Oral presentation: The Southeastern Association of Fish and Wildlife Agencies Meeting, Louisville, KY. **Winner of Best Student Presentation: Wildlife Technical Session.**
- Yeiser, J. M., J. A. Martin, D. Baxley, and J. Morgan. 2017. How close is close enough? Using spatially targeted enrollment to prioritize private land conservation. Oral presentation: The Georgia Chapter of the Wildlife Society Meeting, Covington, GA. 3rd Place: Student Presentations.
- Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin. 2017. Strategic enrollment informed by scale of effect increases success of private land conservation programs. Oral Presentation: Warnell Graduate Student Symposium, University of Georgia, Athens, GA.
- Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin. 2016. Effects of broad-scale conservation on northern bobwhite in a farm landscape. Oral Presentation: National Wildlife Society Meeting, Raleigh Convention Center, NC.
- Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin, 2016. Effects of broad-scale conservation on northern bobwhite in a farm landscape. Poster Presentation: 2016 Joint Wildlife Research Update Meeting, Georgia Department of Natural Resources-Wildlife Resources Division and Warnell School of Forestry and Natural Resources, Charlie Elliot Wildlife Research Center, Mansfield, GA.
- Yeiser, J. M., J. J. Morgan, D. L. Baxley, R. B. Chandler, and J. A. Martin, 2016. Effects of broad-scale conservation on northern bobwhite in a farm landscape. Poster Presentation: The Georgia Chapter of the Wildlife Society Meeting in Tifton, GA.
- Yeiser, J. M., J. Morgan, D. Baxley, and J. A. Martin. 2016. Effects of broad-scale conservation on northern bobwhite populations in agricultural landscapes. Oral presentation: Warnell Graduate Student Symposium.
- Yeiser, J. M., J. A. Martin, D. Baxley, and J. Morgan. 2015 Applying strategic monitoring to conservation: an example with northern bobwhite. Oral presentation: Georgia Chapter of the Wildlife Society Meeting, Athens, GA.
- Yeiser, J. M., D. Baxley, B. Robinson, and J. Morgan. 2013. Using prescribed fire and herbicide to manage rank native warm season grass for Northern Bobwhite. Oral presentation: Kentucky Chapter of the Wildlife Society Meeting, Lucas, KY.
- Yeiser, J. M., and S. C. Richter. 2012. Microhabitat conditions dictate mesohabitat associations and distribution of larval salamanders in headwater streams. Oral Presentation: Kentucky Academy of Science meeting, Richmond, KY.
- Yeiser, J. M., Jones, A. L., and Richter, S. C. 2011. Salamanders are useful bioindicators of water quality and watershed health in eastern Kentucky. Poster presentation: Annual meeting of the Association of Southeastern Biologists, Huntsville, AL.
- Yeiser, J. M., Jones, A. L., and Richter, S. C. 2011. Salamanders are useful bioindicators of water quality and watershed health in eastern Kentucky. Poster presentation: Posters at the Capitol meeting, Frankfort, KY.
- Yeiser, J. M., Jones, A. L., and Richter, S. C. 2010. Salamanders are useful bioindicators of water quality and watershed health in eastern Kentucky. Poster presentation: Kentucky Academy of Sciences meeting, Bowling Green, KY. 1st Place Poster: Ecology and Environmental Science

quantitative skills

Hierarchical modeling using Bayesian framework

Species density and distribution modeling

Population estimation

Advanced distance sampling

Spatial capture-recapture

Capture-mark-recapture

Matrix models

Remote sensing

Supervised classification

Unsupervised classification

Image processing and data collection

Simulation modeling

Power analyses

Population viability Analysis

Population sensitivity analysis

Data carpentry and visualization

technical skills	<p>R, Rmarkdown, Shiny</p> <p>ArcGIS, Google Earth Engine, ERDAS Imagine</p> <p>Big data modeling using High-performance Computing clusters, linux</p>
field skills	<p>Quantifying vegetative composition and structure</p> <p>Helicopter surveys</p> <p>Plot sampling, transect sampling, measuring basal area, canopy closure, etc., identifying herbaceous and woody plants to species.</p> <p>Population monitoring</p> <p>Distance sampling surveys</p> <p>Capturing songbirds using mist nets (e.g., MAPS Program)</p> <p>Capturing Northern Bobwhite using baited funnel traps</p> <p>Capturing and handling Canada Geese</p> <p>Capturing and handling amphibians using D-nets, intensive search, and funnel traps</p> <p>Tracking animal movement with VHF telemetry and GPS</p> <p>Capturing waterfowl using a rocket net gun</p> <p>Capturing white-tailed deer using clover traps and drop nets</p> <p>Other</p> <p>Prescribed burning</p> <p>Applying herbicides</p> <p>Operating utility vehicles</p> <p>Conducting bird dog field trials</p> <p>Conducting Rapid Habitat Assessments</p> <p>Assessing water quality</p>
honors and awards	<p>E. L. Cheatum Award (University of Georgia)</p> <p>Northeast Georgia Quail Forever Scholarship</p> <p>Digital Globe Foundation Imagery Grant</p> <p>Dan Varney Award (Eastern Kentucky University)</p>
professional affiliations	<p>National Bobwhite Technical Committee Science Subcommittee</p> <p>Warnell Avian Research Writing Group</p> <p>National Wildlife Society's Biometrics Working Group</p> <p>The Georgia Chapter of The Wildlife Society</p> <p>Xi Sigma Pi National Forestry Honor Society</p> <p>2016–2017. The Longleaf Alliance</p> <p>2014–2015. The Kentucky Chapter of the Wildlife Society</p> <p>2013–2014. Kentucky Prescribed Fire Council – Member of Information and Education Committee</p> <p>2012–2014. Kentucky Society of Natural History</p> <p>2012–2014. Society for the Study of Amphibians and Reptiles.</p>
professional development	<p>President of the Warnell Graduate Student Association in academic year 2016–17.</p> <p>Bayesian integrated population modeling (IPM) using BUGS and JAGS. Lead by Michel Schaub and Marc Kery, Patuxent Wildlife Research Center, Laurel, MD. August 1–5, 2016.</p> <p>President of the Eastern Kentucky University's Biological Organization of Graduate Students in academic years 2011–2013.</p>
other relevant work experience	<p>Summer 2012. Technician, Eastern Kentucky University and the Kentucky Division of Water.</p> <p>August 2010–August 2011. Technician, Eastern Kentucky University and the Kentucky Division of Water.</p> <p>Summer 2009. Farmhand, Claiborne Farm, Paris, KY.</p> <p>Summer 2008. Turf management intern, Big Springs Country Club, Louisville, KY.</p>

references

James Martin, PhD
Associate Professor
University of Georgia
Warnell School of Forestry and Natural Resources
180 E Green St
Athens, GA 30602
(706) 542-8509
martinj@warnell.uga.edu

John Morgan, MS
Small Game Program Coordinator
Kentucky Department of Fish and Wildlife Resources
1 Sportsman's Lane
Frankfort, KY 40601
(502) 564-7109
john.morgan@ky.gov

Danna Baxley, PhD
Director of Conservation
The Nature Conservancy in Kentucky
114 Woodland Ave,
Lexington, KY 40502
(304) 237-1941
danna.baxley@tnc.org

Stephen Richter, PhD
Associate Director, Division of Natural Areas
Professor of Biology
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475
(859) 582-8430
stephen.richter@eku.edu