

Jarred M. Brooke

195 Marsteller Street
West Lafayette, IN 47906

(765) 494-8459

EDUCATION

University of Tennessee Knoxville, TN May 2015
Master of Science in Wildlife Management
Department of Forestry, Wildlife, and Fisheries

Thesis: Effects of large-scale habitat manipulations on northern bobwhite habitat selection on a reclaimed-surface mine.

Purdue University West Lafayette, IN May 2012
Bachelor of Science in Agriculture
Department of Forestry and Natural Resources
Major: Wildlife Science, Minor: Soil Science

PROFESSIONAL EXPERIENCE

Purdue University West Lafayette, IN August 2016 – Present
Extension Wildlife Specialist

70% Extension – Develop and implement extension programming related to habitat management for game species on working lands across Indiana.

20% Research – Engage in research related to applied habitat management for game species.

10% Teaching – Develop and teach an undergraduate course introducing Forestry and Natural Resources students to hunting and its role in wildlife conservation.

Kentucky Department of Fish and Wildlife Resources Madisonville, KY June 2015 – August 2016
Farm Bill Wildlife Biologist

Worked with private landowners interested in wildlife habitat management opportunities through Federal Farm Bill programs including the Conservation Reserve Program, Environmental Quality Incentives Program, and Wetland Reserve Easement Program.

University of Tennessee Knoxville, TN January 2015 – May 2015
Research Associate

Oversaw and completed research and extension projects related to habitat management for game species including white-tailed deer, eastern wild turkey, and northern bobwhite. Wrote, editing, and published peer-reviewed manuscripts related to applied habitat management and invasive species control. Worked with state and federal agency personnel to conduct habitat management workshops.

PEER-REVIEWED PUBLICATIONS

Journal articles in review

Brooke, J. M., Morgan, J. J., Baxley, D. L., Harper, C. A., and P. D. Keyser. *In review.* Factors influencing northern bobwhite hunter success on a public wildlife management area in Kentucky. Proceedings of the

National Quail Symposium. 8.

Brooke, J. M., Tanner, E. P., Peters, D. C., Tanner, A. M., Harper, C. A., Keyser, P. D., Clark, J. D. and Morgan, J. J. *In review*. Northern bobwhite breeding season ecology and resource selection on a managed reclaimed surface mine in Kentucky. *Journal of Wildlife Management*.

Published journal articles

Brooke, J. M. and C. A. Harper. 2016. Herbicides are effective for reducing dense native warm-season grass and controlling a common invasive species, sericea lespedeza. *Journal of the Southeastern Association of Fish and Wildlife Agencies*. 3:178–184

Brooke, J. M., Peters, D. C., Unger, A. M., Tanner, E. P., Harper, C. A., Keyser, P. D., Clark, J. D. and Morgan, J. J. 2015. Habitat manipulation influences northern bobwhite resource selection on a reclaimed surface mine. *Journal of Wildlife Management*. 79(8):1264–1276. Cited by = 3

Brooke, J. M., P.S. Basinger, J.S. Nanney, and C.A. Harper. 2015. Effectiveness of three postemergence herbicides in controlling an invasive annual grass, *Microstegium vimineum*. *Journal of the Southeastern Association of Fish and Wildlife Agencies*. 2:262–267.

Peters, D. C., **J. M. Brooke,** E. P. Tanner, A. M. Unger, P. D. Keyser, C. A. Harper, J. D. Clark, J. J. Morgan. 2015. Impact of experimental habitat manipulations on northern bobwhite survival. *Journal of Wildlife Management*. 79(4):605–617. Cited by = 3

Harper C. A., J. L. Birkhead, P. D. Keyser, J. C. Waller. M. Backus, G. E. Bates, E. D. Holcomb., **and J. M. Brooke.** 2015. Avian habitat following grazing native warm-season forages in the Mid-South USA. *Rangeland Ecology and Management*. 68(2):166–172.

Extension publications

Brooke, J., K. Dishman, D. Hamilton, J. Hubley, K. McCausland, M. Mills, and R. Williams. 2012. Ashes to ashes: we all grow up. Purdue Univ. Coop. Ext. Serv. W. Lafayette, IN. FNR-472-W

PROFESSIONAL PRESENTATIONS & POSTERS

Presentations

Brooke J., D. Peters, A. Tanner, E. Tanner, C. Harper, P. Keyser, J. Clark J. Morgan. 2016. Habitat management for northern bobwhite on a reclaimed surface mine. *Midwestern Association of Fish and Wildlife Agencies*. 27 Jan. Grand Rapids, MI

Brooke, J. and C. Harper. 2015. Managing native warm-season grass stands with herbicide. *Southeastern Association of Fish and Wildlife Agencies*. 3 Nov. Asheville, NC.

Harper, C., M. Lashley, J. Brooke, M. Chitwood, J. Nanney, R. Elmore, D. Morin, C. Moorman, and C. DePerno. 2015. Does soil quality affect intraspecific plant nutritional quality? *Southeast Deer Study Group*. 25 Feb. Little Rock, AR.

Brooke, J. S. Basinger, J. Nanney, C. Harper, 2014. Effectiveness of three postemergence herbicides in controlling an invasive annual grass, *Microstegium vimineum*. *Southeastern Association of Fish and Wildlife Agencies*. 22 Oct. Destin, FL.

Brooke J., D. Peters, A. Unger, E. Tanner, C. Harper, P. Keyser, J. Morgan, E. Williams. 2014. Movement characteristics of northern bobwhite on a reclaimed surface coal mine. Tennessee chapter of The Wildlife Society. 21 Feb. Pikeville, TN.

Brooke J., D. Peters, A. Unger, E. Tanner, C. Harper, P. Keyser, J. Morgan, E. Williams. 2014. Movement characteristics of northern bobwhite on a reclaimed surface coal mine. Kentucky chapter of The Wildlife Society. 21 Feb. Lucas, KY.

Brooke, J., S. Basinger, M. Lashley, M. McCord, C. Harper. 2014. Is fertilization the “silver-bullet” to increase white oak acorn production? Southeast Deer Study Group. 17 Feb. Athens, GA

Brooke J., D. Peters, A. Unger, E. Tanner, C. Harper, P. Keyser, J. Morgan, E. Williams. 2013. Northern bobwhite quail nest-site selection on a reclaimed coal mine. Tennessee chapter of The Wildlife Society, 5 March. Paris, TN

Brooke J., D. Peters, A. Unger, E. Tanner, C. Harper, P. Keyser, J. Morgan, E. Williams. 2013. Northern bobwhite quail nest-site selection on a reclaimed coal mine. Kentucky chapter of The Wildlife Society. 22 Feb. Falls of the Rough, KY

Posters

Brooke J., D. Peters, A. Unger, E. Tanner, C. Harper, P. Keyser, J. Morgan, E. Williams. 2013. Northern bobwhite habitat use on a reclaimed coal mine. Northern Bobwhite Technical Committee. 23 July. Roanoke, VA

EXTENSION AND EDUCATION

Workshops & Field Days

- Peabody WMA Boy Scout Camp-o-ree, Drakesboro, KY (2014)
- Herbicide Use and Applications in Wildlife Management, Knoxville, TN (2014)
- Steak and Potatoes Field Day, Crossville, TN (2014)
- Peabody Wildlife Management Area Quail Rally, Drakesboro, KY (2013)
- QDMA Deer Steward II Course, Andersonville, TN (2013)

4-H and Youth Education

- National Wildlife Habitat Education Program Manual (editing) (2014)
- Tennessee State 4-H Wildlife Judging Competition, Middleton, TN (2014)
- Natural Resource Service Learning, Purdue University (2011)

Guest Presentations

- Music City Chapter of Quail Forever, Nashville, TN (2014)
- Daviess County Audubon Society, Owensboro, KY (2013)
- Ornithology (Guest Lecturer), University of Tennessee (2013, 2014)

ACTIVITIES & PROFESSIONAL AFFILIATIONS

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| • Kentucky Prescribed Fire Council | 2015 – 2016 |
| • Tennessee Prescribed Fire Council | 2015 – 2016 |
| • The Wildlife Society | 2012 – Present |

- The Wildlife Society, University of Tennessee Student Chapter 2012 – 2015
- National Bobwhite Conservation Initiative 2013
- The Wildlife Society, Purdue University Student Chapter 2008 – 2012
- Purdue Forestry and Natural Resource Student Council 2008 and 2012
- Purdue Agriculture Council 2008 – 2010