
BRIAN J. MacGOWAN

Department of Forestry & Natural Resources
Purdue University
West Lafayette, Indiana 47907

Phone: (765) 647-3538
Fax: (765) 647-4150
Email: macgowan@purdue.edu

INTERESTS Student Extension; Applied Social Science; Human-wildlife Interactions;

EDUCATION

2013-Present Ph.D. (Candidate), Natural Resources Social Science, Purdue University
Graduate Advisor: Linda S. Prokopy
Dissertation: Extension programming and woodland owner management decisions.

1995-1998 M.S. in Wildlife Science, Purdue University
Graduate Advisor: Harmon P. Weeks, Jr.
Thesis: Avian responses to woodland habitats differentially impacted by deer browsing.

1989-1995 B.S. in Natural Resources, School of Natural Resources, Ohio State University

ACADEMIC APPOINTMENTS

2015-Present Extension Coordinator, Department of Forestry and Natural Resources, Purdue University

2007-2015 Extension Co-Coordinator, Department of Forestry and Natural Resources, Purdue University

1999-Present Extension Wildlife Specialist, Purdue University

1996-1998 Graduate Teaching Assistant (M.S.), Purdue University

HONORS and AWARDS

2014 Bravo Award, Purdue University

2012 College of Agriculture TEAM Award, Purdue ZipTrips

2010 FNR Outstanding Professional Staff Award

2007 Association of Natural Resource Extension Professionals, Gold Award for Mixed Materials, Wildlife CSI Unraveling the Mysteries of Wildlife Crop Damage

2007 Association of Natural Resource Extension Professionals, Silver Award for Video/DVD/CD, Wildlife CSI Unraveling the Mysteries of Wildlife Crop Damage

2007 Association of Natural Resource Extension Professionals, Silver Award for Web-based Courses, Wildlife CSI Unraveling the Mysteries of Wildlife Crop Damage

2005 FNR Outstanding Professional Staff Award

2005 Agricultural Communications in Education Gold Award for Electronic Publications, Snakes of the Midwest

2005 Certified Wildlife Biologist, the Wildlife Society

2003 Association of Natural Resource Extension Professionals Gold Award for Web Site, Everything Wildlife

2002 Agricultural Communications in Education Gold Award, Snakes of Indiana

PROFESSIONAL AFFILIATIONS

International Association for Society and Natural Resources
The Wildlife Society
Association of Natural Resources Extension Professionals
Purdue University Cooperative Extension Specialists Association
Soil and Water Conservation Society

EXTERNAL FUNDING and GRANTS

2018 – *Indiana Department of Natural Resources, Division of Forestry, “Woodland Owner Education”* (\$115,293) (CO-PI)
2017 – *Fur Takers of America, “Voluntary Support”* (\$163) (PI)
2016 – *Fur Takers of America, “Voluntary Support”* (\$179) (PI)
2012 – *Purdue University Cooperative Extension Service, Issue-Based Action Team, “Helping Families Conserve Nature on Their Land”* (\$9,575) (CO-PI)
2010 – *Indiana Farm Bureau, Inc., “Voluntary Support”* (\$1,730.53) (PI)
2010 – *Indiana Agricultural Law Foundation, “Voluntary Support”* (\$2,000) (PI)
2010 – *Indiana Department of Natural Resources, Hardwood Ecosystem Experiment subcontract, “Home range and habitat use of timber rattlesnakes and eastern box turtle”* (\$22,813) (Co-PI)
2009 – *The Nature Conservancy in Indiana, “Emerging Issues in White-tailed Deer Management and Conservation Conference”* (\$10,000) (PI)
2009 – *Indiana Farm Bureau, Inc., “Emerging Issues in White-tailed Deer Management and Conservation Conference”* (\$1,250) (PI)
2009 – *Indiana Department of Natural Resources, Wildlife Diversity Section, “Ecology and genetics of eastern box turtles”* (\$343,504) (CO-PI)
2009 – *Indiana Department of Natural Resources, Wildlife Diversity Section, “Assessment of the short-term response of timber rattlesnakes to even-aged and uneven-aged timber management in Indiana.”* (\$174,233) (PI)
2007 – *Indiana Department of Natural Resources, Hardwood Ecosystem Experiment subcontract, “Home range and habitat use of timber rattlesnakes and eastern box turtle”* (\$112, 246) (CO-PI)
2007 – *Purdue University, College of Agriculture’s Mission-Oriented Internal Competitive Grant Program, “The Ecological and Socioeconomic Impacts of Forest Management on Public and Private Lands in Indiana”* (CO-PI)
2005 – *Indiana Department of Natural Resources, “Indiana Coverts Project”* (\$1,000) (PI)
2005 – *Indiana Wild Turkey Federation, “Indiana Coverts Project”* (\$4,000) (PI)
2005 – *U.S. Navy, “Habitat use of ruffed grouse and woodcock at Crane”* (\$17,733.97) (CO-PI)
2003 – *Nuisance Wildlife Control Operators Association, “Human conflicts with wildlife – do perceptions reflect reality?”* (\$2,000) (CO-PI)
2003 – *Fur Takers of America, “Human conflicts with wildlife – do perceptions reflect reality?”* (\$1,200) (CO-PI)
2003 – *USDA-Wildlife Services, “Human conflicts with wildlife – do perceptions reflect reality?”* (\$5,000) (CO-PI)
2002 - *Indiana Wild Turkey Federation, “Crop depredation and habitat use by wild turkey, white-tailed deer, and raccoon in the Upper Wabash River Basin”* (\$95,200) (CO-PI)
2002 - *Indiana Division of Fish and Wildlife, “Crop depredation and habitat use by wild turkey, white-tailed deer, and raccoon in the Upper Wabash River Basin”* (\$269,470) (CO-PI)
2002 – *National Wild Turkey Federation, “Crop depredation and habitat use by wild turkey, white-tailed deer, and raccoon in the Upper Wabash River Basin”* (\$75,000) (CO-PI)
2002 - *Ruffed Grouse Society, “Indiana Coverts Project”* (\$18,872) (PI)
2001 - *Indiana Department of Natural Resources, “The Snakes of Indiana”* (\$18,060) (PI)

2001 - *Ruffed Grouse Society*, "Indiana Coverts Project" (\$10,200) (PI)

2000 - *U. S. Fish & Wildlife Service*, "Safe Harbor: Conserving Endangered and Threatened Species on Private Lands" (\$9,500) (PI)

Total = \$1,319,880 (\$736,986 MacGowan's portion)

Peer-reviewed Extension (42)

1. MacGowan, B.J. 2018. Considerations for Trapping Nuisance Wildlife with Box Traps, FNR-571-W.
2. Williams, R.N., B.J. MacGowan, Z. Walker, J. Hoverman, and N. Burgmeier. 2017. Frogs and Toads of Indiana. Purdue University Cooperative Extension Service Publication, FNR-516.
3. MacGowan, B.J. 2016. Selecting a nuisance wildlife control professional. Purdue University Cooperative Extension Service Publication, FNR-519-W.
4. MacGowan, B.J. 2014. Wildlife Habitat Education Program—teaching and learning wildlife management practices. Purdue University Cooperative Extension Service Publication, FNR-494-W.
5. MacNeil, J., A.C. Currylow, R.N. Williams, and B.J. MacGowan. 2013. Forest Management for Reptiles and Amphibians: a technical guide for the Central Hardwoods Region. Purdue University Cooperative Extension Service Publication, FNR-480.
6. MacGowan, B.J. and R.N. Williams. 2013. Appreciating reptiles and amphibians in nature. Purdue University Cooperative Extension Service Publication, FNR-478.
7. Carroll, N., B.J. MacGowan, B.K. Miller, M. Pochon, and D. Zimmerman. 2012. Wildlife habitat evaluation food flash cards, Purdue University Cooperative Extension Service Publication, 4-H-993-M.
8. MacGowan, B.J. and R.N. Williams. 2012. Snakes and Lizards of Indiana. Purdue University Cooperative Extension Service Publication, FNR-469.
9. Kraushar, M., G. Nice, Z. Lowe, R. Chapman, and B.J. MacGowan. 2011. Control of Canada thistle in CRP and other noncrop acreage. Purdue University Cooperative Extension Service Publication, FNR-436W.
10. Carroll, N., B.J. MacGowan, B.K. Miller, M. Pochon, and D. Zimmerman. 2010. Wildlife habitat evaluation food flash cards, Purdue University Cooperative Extension Service Publication, 4-H-993.
11. Rathfon, R., S. Gehrt, L. Farlee, B.J. MacGowan, A. Pursell, and M. Titchenell. 2009. Emerging issues in white-tailed deer management and conservation, Purdue University Cooperative Extension Service Publication, FNR-416W.
12. Whitford, F., J. Becovitz, B. Robertson, B.J. MacGowan, G. Blase, B. Avenius, J. Donahoe, D. Zimmerman, and A. Blessing. 2009. Solving the fish kill mystery...questions to ask. Purdue University Cooperative Extension Service Publication, PPP-80.
13. Whitford, F., J. Becovitz, B. Robertson, B.J. MacGowan, G. Blase, B. Avenius, J. Donahoe, D. Zimmerman, and A. Blessing. 2009. What killed the fish? – using observation, sampling, and science to solve the mystery. Purdue University Cooperative Extension Service Publication, PPP-79.
14. MacGowan, B.J., R.N. Williams, and Z. Walker. 2009. Snakes of the central and northeastern United States. Purdue University Cooperative Extension Service Publication, FNR-405.
15. MacGowan, B.J., J. Loven, and F. Whitford. 2008. Preventing wildlife damage – do you need a permit? Purdue University Cooperative Extension Service Publication, FNR-404.
16. MacGowan, B.J., L.A. Humberg, and O.E. Rhodes, Jr. 2006. Truths and myths about wild turkey. Purdue University Cooperative Extension Service Publication, FNR-264.
17. MacGowan, B.J., L.A. Humberg, J. C. Beasley, T. L. DeVault, M. I. Retamosa, and O. E. Rhodes, Jr. 2006. Corn and soybean crop depredation by wildlife. Purdue University Cooperative Extension Service Publication, FNR-265.
18. MacGowan, B.J., L.A. Humberg, J. C. Beasley, and O. E. Rhodes, Jr. 2006. Identification of wildlife crop depredation. Purdue University Cooperative Extension Service Publication, FNR-267.

19. Williams, R. N., B. J. MacGowan, Z. Walker and B. K. Kingsbury. 2005. Salamanders of Indiana. Purdue University Cooperative Extension Service Publication, FNR-261.
20. Miller, B. K. and B. J. MacGowan. 2004. Put a little wildlife in your backyard this spring. Purdue University Cooperative Extension Service Publication, FNR-247W.
21. MacGowan, B. J. and B. K. Miller. 2004. Attracting butterflies to your yard. Purdue University Cooperative Extension Service Publication, FNR-248W.
22. Miller, B. K. and B. J. MacGowan. 2004. Attracting hummingbirds to your yard. Purdue University Cooperative Extension Service Publication, FNR-249W.
23. MacGowan, B. J. and B. K. Miller. 2004. Size does matter – nest boxes for wildlife. Purdue University Cooperative Extension Service Publication, FNR-246W.
24. MacGowan, B. J., B. A. Kingsbury, and R. N. Williams. 2004. Turtles of Indiana. Purdue University Cooperative Extension Service Publication, FNR-243, 63pp.
25. MacGowan, B. J. 2003. Designing Hardwood Tree Plantings for Wildlife. Purdue University Cooperative Extension Service Publication, FNR-213.
26. Miller, B. K., B. J. MacGowan, and R. P. Reaves. 2003. Are constructed wetlands a viable option for your waste management system? Purdue University Cooperative Extension Service Publication, FNR-202W.
27. Miller, B. K., and B. J. MacGowan. 2003. Tree windbreaks for farms and homes. Purdue University Cooperative Extension Service Publication, FNR-38.
28. MacGowan, B. J., and D. Osborne. 2002. Food plots for white-tailed deer. Purdue University Cooperative Extension Service Publication, FNR-194.
29. Whitford, F., J. Loven, B. J. MacGowan, J. Vaive, D. Akers, and A. Blessing. 2002. Conflicts with wildlife around the home. Purdue Pesticides Program, Purdue University, PPP-56.
30. MacGowan, B. J., and B. K. Miller. 2002. The basics of managing wildlife on agricultural lands. Purdue University Cooperative Extension Service Publication, FNR-193W.
31. MacGowan, B. J. 2001. Enhancing your farm for northern bobwhite quail. Purdue University Cooperative Extension Service Publication, FNR-192W.
32. Miller, B. K., and B. J. MacGowan. 2001. Windbreaks for farms and wildlife. Purdue University Cooperative Extension Service Publication, FNR-189W.
33. MacGowan, B. J. 2001. Warm season grasses, why all the fuss? Purdue University Cooperative Extension Service Publication, FNR-188W.
34. Miller, B. K., J. Seifert, and B. J. MacGowan. 2001. Forestry and Wildlife Management Assistance Available to Indiana Landowners: *Providers, Organizations, and Programs*, Purdue University Cooperative Extension Service Publication, FNR-87.
35. MacGowan, B. J. and B. Kingsbury. 2001. The snakes of Indiana. Purdue University Cooperative Extension Service Publication, FNR-173.
36. MacGowan, B. J. 2001. Conserving endangered and threatened species on private lands. Department of Forestry and Natural Resources, Purdue University, FNR-172.
37. MacGowan, B.J., J. Loven, and F. Whitford. 2000. Animal damage management – rules and regulations in Indiana. Department of Forestry and Natural Resources, Purdue University, FNR-FAQ-16W.
38. MacGowan, B. J., J. Loven, and F. Whitford. 2000. Canada goose management. Department of Forestry and Natural Resources, Purdue University, FNR-FAQ-8W.
39. Miller, B. K., and B. J. MacGowan. 2000. Assessing you land’s potential for wildlife. Department of Forestry and Natural Resources, Purdue University, FNR-175-W.
40. Miller, B. K., and B. J. MacGowan. 2000. Wetlands, regulations and you: what every Indiana farmer needs to know. Department of Forestry and Natural Resources, Purdue University, FNR-171.

41. MacGowan, B. J., and B. K. Miller. 1999. EQIP: Opportunities for wildlife management on your land. Department of Forestry and Natural Resources, Purdue University, FNR-169.
42. MacGowan, B. J., B. K. Miller, and C. D. McCreedy. 1999. The wildlife habitat incentives program (WHIP) can help to improve wildlife habitat. Department of Forestry and Natural Resources, Purdue University, FNR-168.

Other Outreach Publications and Articles (15)

1. MacGowan, B.J. and J.P. Stambaugh. 2017. Regeneration openings—a forest landowner’s perspective, *Indiana Woodland Steward*, 26(2):4,15.
2. MacGowan, B.J. 2016. Black bears and other large predators in Indiana, *Indiana Woodland Steward*, 25(2):7,13.
3. MacGowan, B.J. 2015. A Brief Biography of a Forester – William “Bill” Hoover, *Indiana Woodland Steward*, 24(3):7.
4. MacGowan, B.J. 2014. Armadillos in Indiana, *Indiana Woodland Steward*, 23(1):6-7.
5. MacGowan, B.J. 2012. Indiana Woodland Steward – Who Reads It and What Do They (You) Think? *Indiana Woodland Steward*, 21(3):12-13.
6. MacGowan, B.J. and J. Caudell. 2011. Feral hogs in Indiana – what it means for you, *Woodland Steward*, 20(2):12-13.
7. MacGowan, B.J. 2010. The Hardwood Ecosystem – Part I, *Indiana Woodland Steward*, 19(2):10-11.
8. MacGowan, B.J. 2010. The Hardwood Ecosystem – Part II, *Indiana Woodland Steward*, 19(3):12-13.
9. MacGowan, B.J. 2006. Wildlife CSI, *Indiana Woodland Steward*, 15(3).
10. MacGowan, B. J. 2005. Deer Crossing Ahead. October 2005, *Everything Wildlife E-newsletter*, 2(2).
11. MacGowan, B. J. 2005. Which Plant is Best? October 2005, *Everything Wildlife E-newsletter*, 2(2).
12. MacGowan, B. J. 2005. Turtles in Your Yard. May 2005, *Everything Wildlife E-newsletter*, 2(1).
13. MacGowan, B. J. and H. P. Weeks, Jr. 2005. Hairless Squirrels? May 2005, *Everything Wildlife E-newsletter*, 2(1).
14. MacGowan, B.J. 2004. Trees for Wildlife. Pages 46-51 *In Your Yard, Your Trees – A Homeowners’ Guide*. R. Eddleman (ed.), Hoosier Heartland Resource Conservation & Development Council, Indianapolis, Indiana.
15. MacGowan, B. J. 2001. Canada geese: a wildlife success story? *Grounds Maintenance*, July 2001.

Peer-reviewed Videos and Media (16)

1. In press. Management and Control of Deer Damage to Young Trees. Roles: producer, writer, presenter
2. In press. Foliar Herbicide Application. Roles: producer, writer
3. In press. Funding Invasive Species Control with EQIP. Roles: producer, writer
4. In press. Autumn Olive Identification and Control. Roles: producer, writer
5. In press. Privet Identification and Control. Roles: producer, writer
6. In press. Japanese Barberry Identification and Control. Roles: producer, writer
7. In press. Common Buckthorn Identification and Control. Roles: producer, writer
8. 2019. Frost Seeding Native Warm Season Grasses, FNR-577-WV. Roles: videographer
9. 2018. Calibrating a No-Till Drill for Conservation Plantings and Wildlife Food Plots. Purdue University Cooperative Extension Service Publication, FNR-556-WV. Roles: writer, videographer
10. 2017. Hardwood Ecosystem Experiment – Sustaining Our Oak-Hickory Forests. Purdue University Cooperative Extension Service Publication, FNR-542-WV. Roles: producer, writer, videographer, editor
11. 2017. Hardwood Ecosystem Experiment – Wildlife Responses to Timber Harvesting. Purdue University Cooperative Extension Service Publication, FNR-543-WV. Roles: producer, writer, videographer, editor

12. 2016. FNR-517-WV HEE – Managing Woodlands for Birds. Roles: producer, writer, videographer, editor
13. 2016. FNR-518-WV HEE – Forest Birds. Roles: producer, writer, videographer, editor
14. 2006. Wildlife CSI: unraveling the mysteries of wildlife crop damage. Purdue University Cooperative Extension Service Publication, DVD-FNR-266. Roles: writer
15. MacGowan, B. J., B. Kingsbury, and N. Carrol. 2004. Snakes of the Midwest. Purdue University Cooperative Extension Service, West Lafayette, Indiana, CD-FNR-3.

Peer-reviewed Research Articles (13)

1. MacGowan, B. J., A. S. Singh, B. Overstreet, M. O'Donnell, H. Klotz, and L. S. Prokopy. 2018. Designing Demonstration Events – Producer's Opinions and Preferences. *Journal of Extension*, 16269RIB.
2. Singh, A. S., B. J. MacGowan, J. D. Ulrich-Schad, M. Dunn, M. O'Donnell, H. Klotz, B. Overstreet, and L. S. Prokopy. 2018. The influence of demonstration sites and field days on adoption of conservation practices. *Journal of Soil and Water Conservation*, 73(3):276-283.
3. V. Hale, B. J. MacGowan, L. Corriveau, D. Huse, A.F.T. Currylow, and S. Thompson. 2017. Radio Transmitter Application in the Wild Timber Rattlesnake, *Crotalus Horridus*. *Journal of Wildlife Diseases* 53(3):591-595.
4. MacGowan, B.J., Currylow, A.F.T., and MacNeil, J.E. 2017. Short-term responses of Timber Rattlesnakes (*Crotalus horridus*) to even-aged timber harvests in Indiana. *Forest Ecology and Management* 387(1):30-36. <https://doi.org/10.1016/j.foreco.2016.05.026>
5. Olson, Z.H., B.J. MacGowan, M.T. Hamilton, A.F.T. Currylow, and R.N. Williams. 2015. Survival of timber rattlesnakes: Investigating individual, environmental, and ecological effects. *Herpetologica* 71:274-279.
6. Carlton, J.S., Angel, J.R., Fei, S., Huber, M., Koontz, T., MacGowan, B.J., Mullendore, N.D., Babin, N., and L.S. Prokopy. 2014. State service foresters' attitudes toward using climate and weather information when advising forest landowners. *Journal of Forestry* 112(1):9-14.
7. LaGrange, S., Kimble, S.J, MacGowan, B.J. and Williams, R.N. 2014. Seasonal variance in hematology and blood plasma chemistry values of the timber rattlesnake (*Crotalus horridus*). *Journal of Wildlife Diseases* 50(4):990-993.
8. Currylow, A.F., B.J. MacGowan, and R.N. Williams. 2012. Hibernation thermal ecology of eastern box turtles within a managed forest landscape. *Journal of Wildlife Management* 77(2):326-335.
9. Currylow, A.F., B.J. MacGowan, and R.N. Williams. 2012. Short-term forest management effects on a long-lived ectotherm. *PLoS ONE* 7(7):e40473.
10. Currylow, A.F., P.A. Zollner, B.J. MacGowan, and R.N. Williams. 2011. A survival estimate of Midwestern adult eastern box turtles using radiotelemetry. *American Midland Naturalist* 165:143-149.
11. DeVault, T. L., J. C. Beasley, L. A. Humberg, B. J. MacGowan, M. I. Retamosa and O. E. Rhodes, Jr. 2007. Intrafield patterns of wildlife damage to corn and soybeans in northern Indiana. *Human Wildlife Conflicts* 1(2):205-213.
12. Williams, R. N. and B. J. MacGowan. 2004. Natural history data on the mole salamander in Indiana. *Proceedings of the Indiana Academy of Science* 113(2):147-150.
13. Williams, R. N. and B. J. MacGowan. 2004. Mole Salamander (*Ambystoma talpoideum*). *Herpetological Review* 35(3):279.

Published Proceedings, Symposia and Reports (9)

1. Harrington, J.L. and B.J. MacGowan. 2015. Building the trapping community: are enhanced recruitment and retention activities the answer? *The Wildlife Professional* 9(4):30-33.
2. MacGowan, B.J., and Z.J. Walker. 2013. Spatial ecology of timber rattlesnakes on the Hardwood Ecosystem Experiment: pre-treatment results. Pages 86-94 In: Swihart, R.K.; Saunders, M.R.; Kalb, R.A.; Haulton, G.S; Michler, C.H., eds. *The Hardwood Ecosystem Experiment: A Framework for Studying Responses to Forest Management*. U.S. Department of Agriculture, Forest Service, Northern Forest Experiment Station Gen. Tech. Rep. NRS-P-108, Newtown Square, PA, USA.
3. Currylow, A.F., B.J. MacGowan, and R.N. Williams. 2013. Spatial ecology of eastern box turtles on the Hardwood Ecosystem Experiment: pre-treatment results. Pages 78-85 In: Swihart, R.K.; Saunders, M.R.; Kalb, R.A.; Haulton, G.S; Michler, C.H., eds. *The Hardwood Ecosystem Experiment: A Framework for Studying Responses to Forest Management*. U.S. Department of Agriculture, Forest Service, Northern Forest Experiment Station Gen. Tech. Rep. NRS-P-108, Newtown Square, PA, USA.
4. MacGowan, B.J., L.D. Farlee, and R.N. Chapman. 2013. The Hardwood Ecosystem Experiment: extension and outreach. Pages 333-338 In: Swihart, R.K.; Saunders, M.R.; Kalb, R.A.; Haulton, G.S; Michler, C.H., eds. *The Hardwood Ecosystem Experiment: A Framework for Studying Responses to Forest Management*. U.S. Department of Agriculture, Forest Service, Northern Forest Experiment Station Gen. Tech. Rep. NRS-P-108, Newtown Square, PA, USA.
5. MacGowan, B.J., S. Hygnstrom, J. Boulanger, S. Craven, R. Christoffel, D. Drake, N. Frey, R. McPeake, M. Mengak, J. Miller, G. San Julian, S. Smallidge, R. Timm, B. West, and G. Yarrow. 2010. Human-Wildlife Interactions In: R. Timm (ed.), *Proceedings of the 12th Triennial Extension Wildlife and Fisheries Specialists Conference*, Eagle Lake, Mississippi, March 6-9, 2010.
6. DeVault, T. L., B. J. MacGowan, J. C. Beasley, L. A. Humberg, M. I. Retamosa, and O. E. Rhodes, Jr. 2007. Evaluation of corn and soybean damage by wildlife in northern Indiana. *Proceedings of the 12th Wildlife Damage Management Conference (Addendum)*: 563-570.
7. MacGowan, B.J. 2006. Hunting Lease Enterprises for Private Landowners – Goldmine or Minefield? *Proceedings of the Society of American Foresters 2005 Annual Convention*, T. Clark, ed., Fort Worth, Texas.
8. Humberg, L. A., T. L. DeVault, B. J. MacGowan, J. C. Beasley, and O. E. Rhodes, Jr. 2005. Wildlife crop depredation in northcentral Indiana. *Proceedings of the Ninth National Wild Turkey Symposium*, A. Stewart, ed., Grand Rapids, Michigan.
9. MacGowan, B.J., L. Severied, and F. Skemp, Jr. 2004. Control of deer damage with chemical repellents in regenerating hardwood stands, La Crosse, Wisconsin, USA. Pages 127-133 In: C.H. Michler, P.M. Pijut, J. Van Sambeek, M. Coggeshall, J. Seifert, K. Woeste, and R. Overton (eds.). *Black walnut in a new century, proceedings of the 6th Walnut Council research symposium*, 2004 July 25-28; Lafayette, IN. Gen. Tech. Rep. NC-243. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 188 p.

WEB SITES (7)

1. Got Nature? ag.purdue.edu/fnr/GotNature/
2. Indiana Woodland Steward, www.inwoodlands.org
3. Everything WILDlife, www.purdue.edu/wildlife
4. Purdue University Wildlife Crop Damage Web, www.purdue.edu/cropdamage
5. Indiana Chapter, the Wildlife Society, www.agriculture.purdue.edu/fnr/itws/
6. Hardwood Ecosystems Experiment, www.fnr.purdue.edu/HEE/
7. National Extension Fisheries and Wildlife Specialists, www.agriculture.purdue.edu/fnr/fwextension/

EDITED PUBLICATIONS (2)

1. The Woodland Steward, Volumes 17-26, 3 issues annually, 16pg. 2008-19
2. Everything Wildlife E-newsletter, Volumes 1-3, 2004-05

PROFESSIONAL PRESENTATIONS and CONTRIBUTED POSTERS (58)

1. 2018 (oral) **MacGowan, B.J.** Short-term responses of eastern box turtles (*Terrepepe carolina*) and timber rattlesnakes (*Crotalus horridus*) to timber harvesting in Indiana. Ball State University. February 15, 2018.
2. 2018 (oral) **MacGowan, B.J.** and L.S. Prokopy. Impacts of a Woodland Owner Education Program and Predictors of Success. International Symposium on Society and Resource Management, Snow Bird, UT, June 19, 2018.
3. 2018 (paper) **Williams, R.N.**, Abel, S., and MacGowan, B.J. Raising the Bar: A Graduate Model for Integrating Engagement in the Land Grant University. 19th Annual Conference of the Engagement Scholarship Consortium, Minneapolis, MN. October 2, 2018.
4. 2017 (paper) **MacGowan, B.J.**, and L.S. Prokopy. So you did a workshop – what did you really accomplish? Soil and Water Conservation Society Annual Conference, Madison, WI. July 30–August 2, 2017.
5. 2016 (poster) **MacGowan, B.J.**, and L.S. Prokopy. How to effectively target educational programs for more management-oriented woodland owners. International Symposium on Society and Resource Management, Houghton, MI, June 22-26, 2016.
6. 2016 (oral) **Prokopy, L.S.**, Singh, A.J., MacGowan, B.J., Overstreet, B., O'Donnell, M., Klotz, H., Ulrich-Schad, J., and Dunn, M. The influence of university extension field days and demonstration events on farmer's adoption of conservation practices. 71st Soil and Water Conservation Society International Annual Conference, Louisville, KY, July 14-24-27, 2016.
7. 2015 (oral) **MacGowan, B.J.**, and L.S. Prokopy. Communicating with forest landowners – making the case for partnerships. International Symposium on Society and Resource Management, Charleston, SC, June 14-18, 2015.
8. 2015 (oral) Olson, Z.H., **B.J. MacGowan**, M.T. Hamilton, and R.N. Williams. Survival of timber rattlesnakes: investigating individual, environmental, and ecological effects. Midwest Fish and Wildlife Conference, Indianapolis, IN, February 8-10, 2015.
9. 2014 (oral) **MacGowan, B.J.**, and R.N. Williams. Raising the Bar: A Graduate Model for Integrating Extension in the Land Grant University. 10th Biennial Conference on University Education in Natural Resources, Auburn, AL, March 13-15, 2014.
10. 2014 (oral) **Thompson, S.B.**, Corriveau, L.A., MacGowan, B.J., and Huse, D. Coelomic implantation of Holohil transmitters in *Crotalus horridus*. Biology of the Pitvipers 2, Tulsa, OK, June 4-7, 2014
11. 2014 (oral) **Hale, V.**, Thompson, S.B., Corriveau, L.A., MacGowan, B.J., and Huse, D. Post Surgical Meloxicam Use in *Crotalus horridus*. Biology of the Pitvipers 2, Tulsa, OK. June 4-7, 2014.
12. 2013 (oral) **Thompson, S.B.**, Corriveau, L.A., and MacGowan, B.J. Coelomic implantation of Holohil transmitters in *Crotalus horridus*. 20th Annual Association of Reptilian and Amphibian Veterinarians Conference. Indianapolis, IN. September 2013.
13. 2013 (oral) **Hale, V.**, Thompson, S.B., Corriveau, L.A., and MacGowan, B.J. Post Surgical Meloxicam Use in *Crotalus horridus*. 20th Annual Association of Reptilian and Amphibian Veterinarians Conference. Indianapolis, IN. September 2013.
14. 2013 (poster) Olson, Z.H., MacGowan, B.J., **Hamilton, M.T.**, and Williams, R.N. Assessing the Population Demography and Genetics of Timber Rattlesnakes in Indiana. Georgia Chapter of the Wildlife Society Annual Meeting, Athens, GA, September 6, 2013
15. 2013 (oral) **MacGowan, B.J.**, and R.N. Williams. Raising the Bar: A Graduate Model for Integrating Extension in the Land Grant University. 13th Triennial Extension Wildlife and Fisheries Specialists Conference, Haines City, FL. April 10, 2013.

16. 2012 (poster) **Hamilton, M.T.**, Z.H. Olson, B.J. MacGowan, R.N. Williams. Assessing the Population Status of the Endangered Timber Rattlesnakes in Indiana. 127th Annual Meeting of the Indiana Academy of Science, West Lafayette, IN. March 10, 2012.
17. 2012 (oral)* **Currylow, A.C.**, B.J. MacGowan, **R.N. Williams**. Effects of Forest Management on the Ecology and Behavior of Eastern Box Turtles. 127th Annual Meeting of the Indiana Academy of Science, West Lafayette, IN. March 10, 2012.
18. 2012 (oral)* **MacGowan, B.J.** Short-term Responses of Timber Rattlesnakes to Even-aged Timber Harvesting in Indiana. 127th Annual Meeting of the Indiana Academy of Science, West Lafayette, IN. March 10, 2012.
19. 2012 (oral)* **MacGowan, B.J.** Forest Management Effects on Timber Rattlesnakes in Indiana. Fire and Forest Management Impacts on Timber Rattlesnakes and Their Surrogates, Ohio State University, Columbus, OH. March 8, 2012.
20. 2010 (oral) **Currylow, A.C.**, B.J. MacGowan, and R.N. Williams. Hibernation Thermal Ecology of *Terrapene carolina carolina* within a Managed Forest Landscape. 71st Midwest Fish & Wildlife Conference, Minneapolis, MN. December 2010.
21. 2010 (oral) **MacGowan, B.J.** Spatial Ecology of Timber Rattlesnakes in Managed Forests in Indiana. Hardwood Ecosystem Experiment Researchers Meeting, West Lafayette, IN, November 15 and 16, 2010.
22. 2010 (oral) **Currylow, A.C.**, B.J. MacGowan, and R.N. Williams. Year-round Behavioral Effects of Timber Harvests on *Terrapene carolina carolina*. 4th Annual Hardwood Ecosystem Experiment Annual Research Meeting, West Lafayette, IN. November 15 and 16, 2010.
23. 2010 (oral) **Currylow, A.C.**, B.J. MacGowan, and R.N. Williams. Behavioral Effects of Timber Harvests on a Declining, Long-lived Turtle, *Terrapene carolina carolina*. 8th Annual Symposium on the Conservation & Biology of Tortoises & Freshwater Turtles, Orlando, FL. August 2010.
24. 2010 (oral) **Currylow, A.C.**, B.J. MacGowan, and R.N. Williams. Behavioral Effects of Anthropogenically Altered Habitat on a Declining, Long-lived Vertebrate. Joint Meeting of Ichthyologists and Herpetologists, Providence, RI. July 7-12, 2010.
25. 2009 (poster). **Currylow, A.C.**, B. J. MacGowan, and Rod N. Williams. Movements and Home Range of Eastern Box Turtles in a Forested Habitat and Future Impacts of Timber Harvests. FNR Research Symposium, Purdue University. April 2009.
26. 2009 (poster). **Currylow, A.C.**, B. J. MacGowan, and Rod N. Williams. Movements and Home Range of Eastern Box Turtles in a Forested Habitat and Future Impacts of Timber Harvests. Midwest Ecology and Evolution Conference, University of Lincoln, Nebraska. April 2009.
27. 2009 (poster). Genetic Populations Structure of the Eastern box turtle at multiple spatial scales. **SJA Kimble**; BJ MacGowan; OE Rhodes, Jr.; and RN Williams. Department of Forestry and Natural Resources Research Symposium, Purdue University, West Lafayette, Indiana. April 2009.
28. 2009 (poster). Movements and Home Range of Eastern Box Turtles in a Forested Habitat and Future Impacts of Timber Harvests. **Andrea Currylow**, Brian MacGowan, and Rod N. Williams. Turtle Survival Alliance Annual Conference, St. Louis, MO. August 2009.
29. 2009 (oral). Behavioral Affects of Anthropogenically Altered Habitat on a Declining, long-lived Vertebrate. **Andrea Currylow**, Brian MacGowan, and Rod N. Williams. Annual Indiana Academy of Science Meeting, Indiana University Kokomo, IN. October 2009.
30. 2009 (poster). Novel microsatellite markers for use in determining genetic population structure of Eastern box turtles at multiple spatial scales. **SJA Kimble**; BJ MacGowan; OE Rhodes, Jr.; and RN Williams. Annual Indiana Academy of Science Annual Meeting 2009, Indiana University at Kokomo, Indiana. October 2009.
31. 2009 (oral). Behavioral Affects of Anthropogenically Altered Habitat on a Declining, long-lived Vertebrate. **Andrea Currylow**, Brian MacGowan, and Rod N. Williams. 70th Midwest Fish and Wildlife Conference, Springfield, IL. December 2009.

32. 2009 (oral). Spatial ecology of timber rattlesnakes in managed forests in Indiana. **MacGowan, B. J.** 70th Midwest Fish and Wildlife Conference, Springfield, IL, December 2009.
33. 2009 (poster). Novel microsatellite markers for use in determining genetic population structure of Eastern box turtles at multiple spatial scales. **SJA Kimble**; BJ MacGowan; OE Rhodes, Jr.; and RN Williams. Hilton, Springfield, Illinois. December 2009.
34. 2009 (oral) Movements and home range of timber rattlesnakes in a forested habitat and future implications for timber harvesting. **MacGowan, B. J.** Hardwood Ecosystem 3rd Annual Meeting, Nashville, Indiana, March 25, 2009.
35. 2009 (oral)** Wildlife control operators and higher education – how can we work together? **MacGowan, B. J.** 15th Annual Wildlife Control Seminar, Indianapolis, IN January 26-28, 2009.
36. 2009 (oral) Everything nuisance wildlife operators want to know about snakes. **MacGowan, B. J.** 15th Annual Wildlife Control Seminar, Indianapolis, IN January 26-28, 2009.
37. 2008 (oral) Areas of Excellence – Integrating Extension into the University Mission. **MacGowan, B. J.**, B. K. Miller, and R. K. Swihart. 6th Natural Resources Extension Professionals Conference, Madison, Wisconsin, 20-23 May 2008.
38. 2008 (oral)* Summer home range and habitat selection of the Eastern Box Turtle (*Terrapene carolina*) in south-central Indiana forests. MacGowan, B. J., and **Z. Walker**. Hardwood Ecosystem Experiment Annual Meeting, West Lafayette, Indiana, 10 April 2008.
39. 2008 (oral)* Preliminary observations of Timber Rattlesnake spatial ecology: a look at baseline data prior to forest management. Walker, Z., and **B. J. MacGowan**. Hardwood Ecosystem Experiment Annual Meeting, West Lafayette, Indiana, 10 April 2008.
40. 2007 (oral) **MacGowan, B.J.** Ecology of Eastern Box Turtles and Timber Rattlesnakes in Indiana, Hoosier Herpetological Society Meeting, Indianapolis, IN 17 October 2007.
41. 2005 (oral) **Humberg, L.A.**, T.L. Devault, B. J. MacGowan, J.C. Beasley, O.E. Rhodes, Jr. Crop depredation by wildlife in northcentral Indiana. 9th National Wild Turkey Symposium, Grand Rapids, Michigan, 11-14 December 2005.
42. 2005 (oral)* Hunting Lease Enterprises for Private Landowners – Goldmine or Minefield? **B. J. MacGowan**. Society of American Foresters 2005 National Convention, Fort Worth, Texas, 19-22 October 2005.
43. 2005 (oral)* The importance of extended field programs (summer camps) to undergraduate education: benefits and limitations. **B. J. MacGowan** and R. N. Williams. The Wildlife Society 9th Annual Conference, Madison, Wisconsin, 25-29 September 2005.
44. 2004 (oral) Patterns of habitat use by white-tailed deer in an agricultural landscape of northern Indiana. **M.I. Retamosa**, L.A. Humberg, B. J. MacGowan, J.C. Beasley, and O.E. Rhodes, Jr. Midwest Fish and Wildlife Conference, Indianapolis, Indiana, 12-15 December 2004.
45. 2004 (oral) Corn and soybean producer attitudes and perceptions of wildlife damage in northern Indiana. **B. J. MacGowan**, O.E. Rhodes, Jr., and L. Lawson. Midwest Fish and Wildlife Conference, Indianapolis, Indiana, 12-15 December 2004.
46. 2004 (oral) Landscape-level strategies for reducing crop depredation by raccoons and White-tailed deer in agricultural landscapes. **O.E. Rhodes, Jr.**, T.L. DeVault, L.A. Humberg, J.C. Beasley, M.I. Retamosa, and B. J. MacGowan. Midwest Fish and Wildlife Conference, Indianapolis, Indiana, 12-15 December 2004.
47. 2004 (oral)* Control of deer damage with chemical repellents in regenerating hardwood stands, La Crosse, Wisconsin. **MacGowan, B. J.**, L. Severied, and F. Skemp, Jr. 6th Walnut Council Research Symposium, Lafayette, Indiana, 25-28 July 2004.
48. 2004 (poster) Exploring Human-Wildlife Conflicts. **Muñoz Eifler, S.**, S.R. Broussard, J. Loven, and B. J. MacGowan. Department of Forestry and Natural Resources 8th Annual Research Symposium, West Lafayette, Indiana, 16 April 2004.

49. 2004 (poster) Investigations of wildlife crop depredation using radio telemetry, GPS, active sampling, and landscape characteristics. **Humberg, L.A.**, J.C. Beasley, M.I. Retamosa, T.L. DeVault, B. J. MacGowan, and O.E. Rhodes, Jr. Department of Forestry and Natural Resources 8th Annual Research Symposium, West Lafayette, Indiana, 16 April 2004.
50. 2004 (poster) Patterns of habitat use by white-tailed deer in an agricultural landscape of Northern Indiana. **Retamosa, M.**, L.A. Humberg, B. J. MacGowan, J. Beasley and O.E. Rhodes, Jr. Department of Forestry and Natural Resources 8th Annual Research Symposium, West Lafayette, Indiana, 16 April 2004.
51. 2004 (poster) A case study of stakeholder collaboration in extension programming. **MacGowan, B. J.**, L. Humberg, and O.E. Rhodes, Jr. 4th Natural Resource Extension Professionals Conference, Wheeling, West Virginia, 18 May 2004.
52. 2004 (poster) Exploring Human-Wildlife Conflicts: results from a telephone survey of the Indiana Wildlife Conflicts Hotline. **Muñoz Eifler, S.**, S.R. Broussard, J. Loven, and B.J. MacGowan. Indiana Chapter, The Wildlife Society Spring Meeting, Bloomington, Indiana, 4 March 2004.
53. 2004 (poster) Investigations of wildlife crop depredation using radio telemetry, GPS, active sampling, and landscape characteristics. **Humberg, L.A.**, J.C. Beasley, M.I. Retamosa, T.L. DeVault, B.J. MacGowan, and O.E. Rhodes, Jr. Indiana Chapter, The Wildlife Society Spring Meeting, Bloomington, Indiana, 4 March 2004.
54. 2003 (oral) Human conflicts with wildlife – do perceptions reflect reality? **Muñoz Eifler, S.**, S. R. Broussard, J. Loven, and B.J. MacGowan. 64th Midwest Fish and Wildlife Conference, Kansas City, MO, 9 December 2003.
55. 2003 (poster) Comprehensive assessment of wildlife crop depredation in corn and soybean fields. **B.J. MacGowan**, L.A. Humberg, M.I. Retamosa, and O.E. Rhodes, Jr. Department of Forestry and Natural Resources 7th Annual Research Symposium, West Lafayette, Indiana, 10 April 2003.
56. 1999 (oral)* Avian communities in deciduous forests differentially impacted by white-tailed deer browsing. **B.J. MacGowan** and H.P. Weeks, Jr. Indiana-Purdue University Seminar Series, Fort Wayne, IN.
57. 1998 (oral) Avian communities in deciduous forests differentially impacted by white-tailed deer browsing. **B.J. MacGowan** and H.P. Weeks, Jr. Ornithological Conference, Saint Louis, MO, 10 April 1998.
58. 1998 (oral) Impacts of deer browsing on forest songbirds in Indiana. **B.J. MacGowan** and H.P. Weeks, Jr. Indiana Chapter, The Wildlife Society Spring Meeting, 4 March 1998

* Indicates invited paper; + Indicates keynote address; Presenter in **boldface**

WORKSHOPS, SEMINARS, CONFERENCES, and FIELD TOURS CO-ORGANIZED (151)

Professional Audiences (86)

1. Managing Pollinator Habitat Along the Urban/Rural Gradient, Mishawaka, IN, September 24-25, 2019 (n=29)
2. Furbearer Management Short Course, South Millford, IN, September 8-14, 2019 (n=58)
3. Native Warm Season Grass Establishment and Management, John S. Wright Center, West Lafayette, IN, August 20, 2019 (n=29)
4. Native Warm Season Grass Establishment and Management, John S. Wright Center, West Lafayette, IN, August 21, 2019 (n=11)
5. Woodland Wildlife Steward Professional Workshop, Morgan-Monroe State Forest, June 4-5, 2019 (n=26)
6. Ohio River Valley Woodland and Wildlife Workshop, Madison, IN, March 30, 2019 (n=76)

7. Snake Identification and Biology. Nuisance Wild Animal Control Association, Kokomo, IN, March 9, 2019 (n=23)
8. Ohio River Valley Woodland and Wildlife Workshop, Loveland, OH, March 17, 2018 (n=112)
9. Natural Resources Training for County Educators, SIPAC, May 1, 2018 (n=8)
10. Native Warm Season Grass Establishment and Management, SEPAC, Butlerville, IN May 14, 2018 (n=36)
11. Native Warm Season Grass Establishment and Management, Goose Pond FWA, Bloomfield, IN May 16, 2018 (n=24)
12. Management in Ecologically Sensitive Forest Communities, Martinsville, IN, June 5-6, 2018 (n=49)
13. Furbearer Management Short Course, South Millford, IN, September 9-15, 2018 (n=63)
14. Communicating Your Message – workshop for wildlife professionals, Hendricks County 4-H Center and Conference Complex, Danville, IN, October 30, 2018 (n=47)
15. Promoting Diversity in Higher Education, Purdue University, April 11, 2017 (n=65)
16. Sustaining Natural Resources on Farms and in Communities, SEPAC, May 1, 2017 (n=8)
17. Animal Damage Train-the-trainer workshop, Wright Center, West Lafayette, IN, May 15, 2017 (n=14)
18. Native Warm Season Grass Establishment and Management, Davis PAC, Farmland, IN May 18, 2017 (n=25)
19. Native Warm Season Grass Establishment and Management, Wright Center, West Lafayette, IN May 16, 2017 (n=43)
20. Furbearer Management Short Course, South Millford, IN, September 10-16, 2017 (n=57)
21. Indiana Monarch Conservation Summit, Indianapolis, IN, September 19&20, 2017 (n=52)
22. Managing Wildlife Disease in the 21st Century, John S. Wright Center, West Lafayette, IN, October 4-5, 2017 (n=58)
23. Sustaining Wildlife in Agricultural Landscapes, Salamonie Nature Center, Andrews, IN, October 21, 2016 (n=31)
24. Furbearer Management Short Course, South Millford, IN, September 7-13, 2016 (n=54)
25. Hardwood Ecosystem Experiment Winter Workshop, John S. Wright Center, West Lafayette, IN, February 2, 2016 (n=23)
26. TWS Wetland Workshop, Muscatatuck NWR, September 16 & 17, 2016
27. Furbearer Management Short Course, South Millford, IN, September 7-13, 2015 (n=54)
28. PUCESA Technology Conference, West Lafayette, IN, April 2, 2015 (n=52)
29. Integrating Wildlife Habitat into Forest Management Prescriptions: A Hands-on Workshop, Nashville, IN March 11-12, 2015 (n=67)
30. PUCESA Spring Breakfast and Seminar, West Lafayette, IN, April 1, 2014
31. Invasive Species Management, 2014 Fall TWS/SAF Joint Continuing Education Series, West Lafayette, Indiana, September 24-25, 2014 (n=109)
32. Furbearer Management Short Course, South Millford, IN, September 7-13, 2015 (n=54)
33. Purdue University Extension Professional Development Conference, West Lafayette, IN, October 15-17, 2014 (n=275)
34. Purdue University Extension ANR Training, Turkey Run State Park, November 13-14, 2014 (n=85)
35. Purdue University Extension Professional Development Conference, West Lafayette, IN, November 6-8, 2013 (n=250)
36. Purdue University Extension ANR Training, Turkey Run State Park, October 22-23, 2013 (n=88)
37. Furbearer management short course (September 8-14, 2013), South Millford, Indiana (n=56)
38. North American Forest Ecology Workshop, Bloomington, IN, June 16-20, 2013 (n=164)

39. Natural Resources Management on Small Acreage, West Lafayette, IN, November 15 and 16, 2012 (n=14)
40. Purdue University Extension Professional Development Conference, West Lafayette, IN, November 7-9, 2012 (n=250)
41. Woody Biomass in Indiana, September 26-28, 2012, Madison, IN (n=115)
42. Furbearer management short course (September 9-15, 2012), South Millford, Indiana (n=47)
43. Natural Resources Management on Small Acreage, Purdue ANR training Area 7, June 1, 2012 (n=9)
44. Natural Resources Management on Small Acreage, Purdue ANR training Area 10, May 23, 2012 (n=10)
45. Natural Resources Management on Small Acreage, Purdue ANR training Area 3, May 22, 2012 (n=12)
46. Natural Resources Management on Small Acreage, Purdue ANR training Area 5, May 1, 2012 (n=12)
47. Forest Wildlife Habitat Relationships, Sustainable Forestry Initiative Training, Jackson-Washington State Forest, October 24, 2011 (n=11)
48. Furbearer Trapping and Management Short Course, LaGrange, Indiana, September 11-17, 2011 (n=47)
49. Natural Resources Issues – Programs and Assistance, FNR online seminars for County Extension Staff, October 14, 2010 (n=24)
50. Conservation and Management of Bobwhite Quail in the Midwest, Madison, Indiana, September 28-29, 2010 (n=56)
51. Furbearer Trapping and Management Short Course, LaGrange, Indiana, September 12-18, 2010 (n=58)
52. 12th Triennial Extension Wildlife and Fisheries Extension Specialists Conference, Eagle Lake, Mississippi, March 6-9, 2010 (n=55)
53. Sustainable Forestry Workshop, March 2, 2010, West Lafayette, IN (n=43)
54. Wildlife Management Training Workshop, Linton, Indiana, October 28 and 29, 2009
55. Wildlife Management Training Workshop, Butlerville, Indiana, October 19 and 20, 2009
56. Wildlife Management Training Workshop, Fort Wayne, Indiana, October 7 and 8, 2009
57. Wildlife Management Training Workshop, Crawfordsville, Indiana, September 30 and October 1, 2009 (72 for all four)
58. Furbearer Trapping and Management Short Course, LaGrange, Indiana, September 13-19, 2009 (n=60)
59. Emerging Issues in White-tailed Deer Management and Conservation, Lafayette, Indiana, February 25-27, 2009 (n=180)
60. Fall Continuing Education Workshop, Indiana Chapter of The Wildlife Society, (October 28-29, 2008) West Lafayette, Indiana (n=22)
61. Furbearer management short course (September 14-20, 2008), South Millford, Indiana (n=62)
62. Wildlife Management Training for Indiana NRCS (August 27-28, 2008), Linton, Indiana (n=18)
63. Wildlife Management Training for Indiana NRCS (August 25-26, 2008), Rensselaer, Indiana (n=12)
64. Wildlife Management Training for Indiana NRCS (August 12-13, 2008), Osgood, Indiana (n=15)
65. Wildlife Management Training for Indiana NRCS (August 5-6, 2008), Fort Wayne, Indiana (n=14)
66. Annual Spring Meeting of the Indiana Chapter of The Wildlife Society (March 12 and 13, 2008), Nashville, IN (n=65).
67. Plant and Shorebird ID Workshop, Indiana TWS Continuing Education Seminar Series (October 3-4, 2007,) West Lafayette, IN (n=42)
68. Furbearer management short course (September 9-15, 2007), South Millford, Indiana (n=56)
69. Wildlife habitat management workshop for foresters (September 26-27, 2006), Seymour, Indiana (n=30)

70. Furbearer management short course (September 10-16, 2006), South Millford, Indiana (n=57)
71. Grassland Management Workshop (September 13-14, 2006), Jasonville, Indiana (n=70)
72. Furbearer management short course (September 11-17, 2005), South Millford, Indiana (n=54)
73. Furbearer management short course (September 12-18, 2004), South Millford, Indiana (n=48)
74. Vegetation management workshop for wildlife professionals (September 23-24, 2003), West Lafayette, Indiana (n=70)
75. Joint Spring Meeting of the Indiana Chapters of The Wildlife Society and American Fisheries Society (March 6-7, 2003), Bloomington, Indiana (n=185)
76. Backyard wildlife habitat management workshop (September 23-24, 2002), Carmel, Indiana (n=36)
77. Furbearer management short course (September 8-14, 2002), LaGrange, Indiana (n=52)
78. Integrated bird conservation planning workshop for the Eastern Tallgrass Prairie (September 4-6, 2002), Needmore, Indiana (n=56)
79. 2002 Legislative Reception – Indiana Land Use, Planning for the Future (January 22, 2002), Indianapolis, Indiana (n=125)
80. Furbearer management short course (September 9-15, 2001), LaGrange, Indiana (n=50)
81. Managing nuisance Canada geese in suburban Indiana (April 26, 2001), Kokomo, Indiana (n=22)
82. Designing wetlands for multiple species (October 24, 2000), Warsaw, Indiana (n=92)
83. Furbearer management short course (September 10-16, 2000), LaGrange, Indiana (n=45)
84. Furbearer management short course (September 12-18, 1999), LaGrange, Indiana (n=39)
85. Considerations for wildlife in conservation planning (July 22, 1999), Seymour, Indiana (n=48)
86. Consideration for wildlife in conservation planning (July 20, 1999), Bass Lake, Indiana (n=34)

Landowners and Other Audiences (97)

1. Woodland Wildlife Steward Landowner Workshop, Morgan-Monroe State Forest, June 7-9, 2019 (n=17)
2. State 4-H Wildlife Habitat Education Program, Martell Forest, West Lafayette, IN, May 11, 2019 (n=42)
3. Regional 4-H Wildlife Habitat Education Program CDE, Southeast Purdue Agricultural Center, April 13, 2019 (n=34)
4. Regional 4-H Wildlife Habitat Education Program CDE, Southeast Purdue Agricultural Center, April 14, 2018 (n=38)
5. State 4-H Wildlife Habitat Education Program, Martell Forest, West Lafayette, IN, May 12, 2018 (n=46)
6. 4-H Natural Resources Training Program, John S. Wright Center, West Lafayette, IN, June 13-15, 2018 (n=12)
7. Ohio River Valley Woodland and Wildlife Workshop, Burlington, KY, March 25, 2017 (n=90)
8. Regional 4-H Wildlife Habitat Education Program CDE, Southeast Purdue Agricultural Center, April 8, 2017 (n=34)
9. 4-H Natural Resources Training Program, John S. Wright Center, West Lafayette, IN, June 14–16, 2017 (n=10)
10. Forestry and Wildlife Habitat Field Day, Martell Forest, June 22, 2017 (n=24)
11. State 4-H Wildlife Habitat Education Program, Martell Forest, West Lafayette, IN, May 14, 2016 (n=38)
12. Regional 4-H Wildlife Habitat Education Program, DePauw Nature Park, Greencastle, IN, April 9, 2016 (n=47)
13. Ohio River Valley Woodland and Wildlife Workshop, Clifty Falls State Park, IN, April 2, 2016 (n=93)

14. Working with Print and Television Media – Getting your points across to the public, Purdue University, West Lafayette, IN, March 22, 2016 (n=19)
15. Getting the Most Out of Your Woods, Indiana Small Farm Conference, Danville, IN, March 3, 2016 (n=16)
16. Communicating Your Research, West Lafayette, IN, October 22, 2015
17. 4-H Wildlife Habitat Education Program, West Lafayette, IN, May 9, 2015 (n=66)
18. Ohio River Valley Woodland and Wildlife Workshop, Sharonville, OH, March 28, 2015 (n=138)
19. Conserving Nature on Your Land workshop series, Turkey Run State Park, February 28, 2015 (n=45)
20. Conserving Nature on Your Land workshop, Columbia City, IN, February 27, 2015 (n=20)
21. Indiana WHEP Coaches Training, SEPAC, Butlerville, IN, October 2
22. Indiana WHEP Coaches Training, Fort Harrison SP, Indianapolis, IN, September 30
23. Ohio River Valley Woodland and Wildlife Workshop, Carrollton, KY, March 22, 2014
24. Conserving Nature on Your Land workshop series, Bloomington, IN and Nashville, IN, February 19 to April 9.
25. Conserving Nature on Your Land workshop series, West Lafayette, IN, February 13 to April 3.
26. Indiana 4H Wildlife Habitat Education Program, West Lafayette, IN, September 28, 2013 (n=96)
27. Natural Resources Enterprises Workshop, Waynetown, IN, September 5, 2013 (n=23)
28. Natural Resources Enterprises Workshop, Versailles, IN, September 4, 2013 (n=29)
29. National Wildlife Habitat Education Program Invitational, Trafalgar, IN, July 19-24, 2013 (n=81)
30. Helping Families Conserve Nature on Their Land, Boonville, IN, March 6 to April 24, 2013 (n=9)
31. Indiana 4H Wildlife Habitat Education Program Coaches Workshop, West Lafayette, IN, May 18, 2013 (n=9)
32. Helping Families Conserve Nature on Their Land, Danville, IN, March 7 to April 25, 2013 (n=17)
33. Environmental and Natural Resources Career Development Event, FFA National Convention, West Lafayette, IN, October 25, 2012 (n=170)
34. Natural Resources Enterprises Workshop, Milltown, Indiana, September 6, 2012 (n=45)
35. Natural Resources Enterprises Workshop, Indianapolis, Indiana, September 5, 2012 (n=16)
36. Ohio River Valley Woodland and Wildlife Workshop, Mason, OH, March 24, 2012 (n=140)
37. Environmental and Natural Resources Career Development Event, FFA National Convention, West Lafayette, IN October 20, 2011 (n=160)
38. Natural Resources Enterprises Workshop, Fortville, Indiana, September 8, 2011 (n=29)
39. Natural Resources Enterprises Workshop, New Paris, Indiana, September 7, 2011 (n=21)
40. Hunting and Wildlife Management, 2011 Fall ITWS Continuing Education Workshop, McCormick's Creek State Park, September 6 and 7, 2011 (n=44)
41. Hardwood Ecosystem Forest Tour, Martinsville, IN, May 21, 2011 (n=32)
42. Ohio River Valley Woodland & Wildlife Workshop, Carrollton, Kentucky, March 26, 2011 (n=115)
43. Environmental and Natural Resources Career Development Event, FFA National Convention, West Lafayette, IN October 21, 2010 (n=150)
44. Natural Resources Enterprises Workshop, Thorntown, Indiana, September 9, 2010 (n=48)
45. Natural Resources Enterprises Workshop, Rising Sun, Indiana, September 8, 2010 (n=36)
46. Martell Forest Field Day, West Lafayette, IN, May 1, 2010 (n=30)
47. Ohio River Valley Woodland & Wildlife Workshop, Cincinnati, Ohio, March 27, 2010 (n=104)
48. Forest and Wildlife Management Field Tour, Morgan-Monroe State Forest, November 7, 2009 (n=40)
49. Environmental and Natural Resources Career Development Event, FFA National Convention, West Lafayette, IN October 22, 2009 (n=160)
50. Natural Resources Enterprises Workshop, Unionville, Indiana, September 3, 2009 (n=37)

51. Natural Resources Enterprises Workshop, Linden, Indiana, September 2, 2009 (n=41)
52. Ohio River Valley Woodland & Wildlife Workshop, Cincinnati, Ohio, April 4, 2009 (n=120)
53. Environmental and Natural Resources Career Development Event, FFA National Convention, West Lafayette, IN October 23, 2008 (n=165)
54. Natural Resources Management for the Private Landowner, Columbia City, IN, April 17 and 19, 2008 (n=24)
55. Ohio River Valley Woodland and Wildlife Workshop, Florence, KY, March 15, 2008 (n=72)
56. Backyard Wildlife Management Workshop, Kokomo, IN, January 8, 2008 (n=22)
57. TriState Woodland and Wildlife Workshop, Bryan, OH, November 3, 2007 (n=110)
58. Environmental and Natural Resources Career Development Event, FFA National Convention, West Lafayette, IN October 25, 2007 (n=200)
59. Forest, Fish and Wildlife Management Field Day, Davis Purdue Agricultural Center, September 8, 2007 (n=12)
60. 4-H Wildlife Habitat Evaluations Procedure, Big Oaks National Wildlife Refuge, April 14, 2007 (n=40)
61. Ohio River Valley Woodland and Wildlife Workshop, West Harrison, IN, March 31, 2007 (n=65)
62. TriState Woodland and Wildlife Workshop (September 2006), Coldwater, MI
63. Ohio River Valley Woodland and Wildlife Workshop (March 2006), Cincinnati, OH
64. Woodland Wildlife Management (March 2006), Jasonville, IN
65. Identification and Natural History of Indiana Mammals (February 2006), New Albany, IN
66. Wildlife Depredation of Corn and Soybeans in Indiana (February 2006), Muncie, IN
67. Woodland Wildlife Management (January 2006), Newport, IN
68. Forest Wildlife Field Day (September 24, 2005), Greencastle, IN
69. Forestry Field Day (September 17, 2005), Kosciusko County
70. Forest Legacy Outdoor Workshop, (June 4, 2005), Washington County
71. Switzerland County Ag Day (April 28, 2005), Switzerland County
72. Forest Wildlife Management Field Day (April 2, 2005), Clinton County
73. Conservation Field Day – Managing Your Natural Resources (April 2, 2005), Ripley County
74. Forestry and Wildlife Field Day (October 23, 2004), Morgantown, Indiana (n=25)
75. Forestry and Wildlife Field Day (October 9, 2004), Unionville, Indiana (n=20)
76. Indiana Coverts Project training seminar (September 30 to October 3, 2004), Trafalgar, Indiana (n=27)
77. Managing your forests for timber and wildlife (September 18, 2004), English, Indiana (n=60)
78. Forestry and Wildlife Field Day (July 24, 2004), Versailles, Indiana (n=28)
79. Whitley County Wildlife/Forestry Field Day (October 25, 2003), Columbia City, Indiana (n=12)
80. Sun Oaks Forestry Field Day (October 18, 2003), English, Indiana (n=150)
81. Indiana Coverts Project training seminar (October 2-5, 2003), Trafalgar, Indiana (n=30)
82. Jennings County Wildlife Habitat Tour (August 16, 2003), North Vernon, Indiana (n=50)
83. Praise Acres Outdoor Education Center Field Day (April 23-24, 2003), Franklin, Indiana (n=44)
84. Upper Wabash Crop Depredation Training Workshop (April 22, 2003), Peru, Indiana (n=7)
85. Prescribed Fire Training (April 3-5, 2003), Valparaiso, Indiana (n=6)
86. Indiana 4-H December at the Dunes Conservation Workshop (February 20-21, 2003), Chesterton, Indiana (n=24)
87. Indiana Coverts Project training seminar (September 26-29, 2002), Trafalgar, Indiana (n=35)
88. Tri-county forestry-wildlife field day (April 20, 2002), North Webster, Indiana (n=48)
89. Indiana Coverts Project training seminar (October 25-28, 2001), Trafalgar, Indiana (n=16)
90. Managing backyard wildlife (September 18, 2001), Hartford City, Indiana (n=35)

91. How homeowners can live with Canada geese (July 16, 2001), Valparaiso, Indiana (n=57)
92. Backyard management short course (April-May 2001), Fort Wayne, Indiana (n=25)
93. Landscaping for wildlife (April 2, 2001), Columbia City, Indiana (n=12)
94. Backyard wildlife management (January 23, 2001), Petersburg, Indiana (n=28)
95. Backyard management short course (October-November 2000), New Albany, Indiana (n=45)
96. Income opportunities and financial strategies conference (October 12-14, 2000), New Albany, Indiana (n=79)
97. Wildlife habitat field day (September 30, 2000), LaOtto, Indiana (n=55)

EXTENSION PRESENTATIONS

Scientific and Professional and Scientific Audiences (n=106)

Landowners and Other Audiences (n=295)

TECHNICAL CONTENT FOR EXHIBITS FOR LARGE ($\geq 100,000$) AUDIENCES

1. Snakes, Rattles and Holes, 2005 Michigan State Fair, August, Lansing, Michigan
2. Snakes of the Midwest, 2004 Indiana State Fair, August 11-22, Indianapolis, Indiana.
3. Backyard Wildlife, 2002 Indiana State Fair, August 8-19, Indianapolis, Indiana.

TECHNICAL CONTENT FOR EXHIBITS FOR SMALL ($< 100,000$) AUDIENCES

1. Forestry and Natural Resources exhibit for Hoosier Association of Science Teachers, Inc. 2009 conference, Indianapolis, Indiana, February 5 and 6, 2009
2. Forestry and Natural Resources exhibit for Hoosier Association of Science Teachers, Inc. 2008 conference, Indianapolis, Indiana, February 7 and 8, 2008
3. Snakes, Rattles and Holes, North Museum of Natural History and Science, Lancaster, Pennsylvania, January 25 to May 30, 2008
4. Forestry and Natural Resources Display, Annual Hoosier Association of Science Teachers, Inc. Conference, Indianapolis, Indiana, February 7 and 8, 2008
5. Snakes, Rattles and Holes, Science Central, October 25, 2005 to June 1, 2005, Fort Wayne, Indiana
6. Snakes of the Midwest, Imagination Station, 2004 October 14 to 2005 April 13, Lafayette, Indiana.

TEACHING

Courses

1. FNR 506: Theory & Application of Natural Resource Extension Programming, 1cr. (Co-Instruction with R. Williams) (2010, 2012-13, 2015-19)

Guest Lectures, Purdue University, Department of Forestry and Natural Resources

1. FNR 373 Undergraduate Summer Lab Practicum (1999-2001, 2003-2006)
2. FNR 548 Wildlife Investigational Techniques (2001-2006)
3. FNR 348 Wildlife Investigational Techniques (2007-2011, 2013)
4. FNR 540 Wetlands Ecology (2001, 2003, 2005)
5. AGRY/FNR 598: Ecological Footprints (2010)
6. FNR 598 The Nature of Service Learning (2010-2011)
7. FNR 498 The Nature of Service Learning (2013, 2016)
8. ASM 336 Environmental Systems Management (2010)
9. FNR 408 Natural Resource Planning (2010)
10. FNR 679 Research Seminar (2011)

11. FNR 223 Introduction to Environmental Policy (2015)
12. AGR 119 Freshman orientation (2015-16)
13. FNR 230 World Forest and Society (2016-19)
14. FNR 580 Natural Resource Social Science Methods (2016-17, 2019)
15. FNR 465 Hunting and Conservation (2018)

Graduate Student Committees

1. M.S. (2005) Solange Muñoz Eifler, Exploring attitudes, values, and perceptions of wildlife damage through the Indiana Wildlife Conflicts Information Hotline
2. M.S. (2011) Andrea F. Currylow, Effects of forest management on the ecology and behavior of eastern box turtles
3. M.S. (2011) Jami E. MacNeil, The effects of forest management on terrestrial salamanders
4. M.S. (2016) Zoe Glas, Understanding Perceptions of Mid-Size Predator Management: a Human Dimensions Analysis

Undergraduate Student Projects

1. Matthew T. Hamilton (2012) Assessing the population status of endangered timber rattlesnakes (*Crotalus horridus*) in Indiana
2. Seth LaGrange (2013) Temporal variance in hematologic and plasma biochemical reference intervals for timber rattlesnakes (*Crotalus horridus*)

Undergraduate Extension Interns

1. Morriah Boggess (2017) (co-advised with Jarred Brooke), Early Successional Habitat Management

SERVICE

Professional:

External Reviewer for *Journal of Wildlife Management* (3), *The Wildlife Society Bulletin* (2), *Conservation Biology* (1), *Wilson Bulletin* (1), *Human Wildlife Conflicts* (2), *Human Wildlife Interactions* (1), *The Wildlife Professional*

Technical Reviewer for University of California Division of Agriculture and Natural Resources, Internal Competitive Grants Program (2013)

North American Forest Ecology Workshop Planning Committee (2010-13)

Field Tour Chair (2010-13)

Renewable Resources Extension Act program in Indiana

Project Investigator (2009-present)

Indiana Forest Stewardship Coordinating Committee (2006-present)

eXtension Wildlife Damage Community of Practice member (2009-12)

Indiana Woodland Steward, Inc.

Secretary (2007-present)

Chair, Editorial Board (2007-present)

Redesign of website (2010)

The Wildlife Society, Indiana Chapter

Member-at-Large (2001), President (2003), Executive Committee (2001-04), Continuing Education Committee (1999-present), Put-and-Take committee (2001), Chair, Nominations Committee (2003-06), Legislative Reception Coordinator (2001), Web Site coordinator (2005-present)

The Wildlife Society, North Central Section

Secretary (2005), Executive Committee (2003, 2005)

The Wildlife Society

Chair, Conservation Education and Outreach Working Group (2019-present)

Indiana 4-H

Wildlife Habitat Evaluations Procedure (WHEP) State Committee (2000-10)

Chair, WHEP Photos (2005-10)

Wildlife Habitat Education Program (WHEP) State Committee (2011-present)

Wildlife Habitat Education Program (WHEP) National Invitational (2013)

Indiana Natural Resources Conservation Service

Wildlife Habitat Incentives Program (WHIP) Committee (2000-present)

Upland Wildlife Habitat Management work group (2000-08)

Shallow Water Management for Wildlife Work Group (2000)

Early Successional Habitat Management Work Group (2000)

Muskatuck National Wildlife Refuge Biological Program Review (2007)

Crane NSWC Integrated Natural Resources Management Plan Advisory Panel (2007-08)

Invasive Plant Species Assessment Work Group (IPSAWG) (2002-04)

Chair, Indiana Prescribed Fire Council (2000-03)

Indiana Department of Environmental Management

Wetlands Working Group member (1999-02)

University:

Callout for extension in undergraduate education (2013)

ANR Extension Coordinator (2009 – present)

ANR Natural Resources and Land Use Focus Group, co-chair (2019-present)

Purdue Extension Council (2011-12)

Purdue Extension ANR training program planning committee member (2013)

Purdue Extension Professional Development Conference Planning Committee member (2012, 2013)

College of Agriculture FNR Program Review Committee member (2012-2013)

Search Committees

Chair, Extension Forestry and Wildlife Specialist (2007-08)

Member, Sustainable Community Extension Specialist (2012)

Member, Director of Purdue University Cooperative Extension Service, Associate Dean of Agriculture (2012-13)

Member, Aquatic Ecology Specialist Search Committee (2013-14)

Purdue University Cooperative Extension Specialists Association (PUCESA)

Board member (2011-2016)

President (2013-14)

Awards committee (2012-14)

Woodlands Committee, Department of Forestry and Natural Resources (2008-present)

Budget and Steering Committee, Department of Forestry and Natural Resources (2006-2016)

Investments in Excellence Small Grants Review (2013)

Indiana State Fair, Department of Forestry and Natural Resources Exhibit (2008)

Faculty and Staff Well Being Committee, Purdue School of Agriculture Road Mapping (2001)

Administrative and Professional Staff Advisory Committee, Purdue University (2002-05)

Local Community:

Treasurer and Executive Board Member, Pleasant Athletic Club (2006-08)

Basketball Coach, Fairfield YMCA (2006-07, 2009)

Basketball Coach, Sacred Heart of Jesus Catholic School (2007-19)

Basketball Coordinator, Sacred Heart of Jesus Catholic School (2019-present)

POPULAR PRESS COVERAGE

Magazines: Scholastic News, Living the Country Life

Newspapers: Associated Press, Indianapolis Star, Los Angeles Times, Seattle Post, Lafayette Journal and Courier, Washington Post, Fort Worth Star Telegram, Miami Herald, Centre Daily Times, Tuscaloosa News, Kansas City Star, Purdue Exponent, Evansville Courier Press, Kokomo Tribune

Television: WLFI TV-18 Lafayette, WTHR TV-13 Indianapolis

Radio: Living the Country Life

Internet: Yahoo! News, Intelligencer, mlive.com, Pen Live.com

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT

GIS and Remote Sensing for Wildlife Managers, Smithsonian Institute, Front Royal, VA (1998)

Creating Web Pages, Ivy Tech College, Lafayette, Indiana (1999)

Advanced Web Pages, Ivy Tech College, Lafayette, Indiana (1999)

Creating Web Graphics, Ivy Tech College, Lafayette, Indiana (1999)

Navigating Natural Resources Controversy, Indiana Chapter of The Wildlife Society, Nashville, Indiana (2000)

Tree Management, Indiana Arborists Association, Fort Wayne, Indiana (2000)

Powerful Conversations, Purdue University, West Lafayette, Indiana (2001)

Pesticide Applicator Training, Core, Purdue University, West Lafayette, Indiana (2001)

Pesticide Applicator Training, Category 1a, Purdue University, West Lafayette, Indiana (2001)

Writing Effective Grant Proposals, Purdue University, Plymouth, Indiana (2001)

Writing Effective Grant Proposals, Purdue University, West Lafayette, Indiana (2001)

Collaborative Institutional Training Initiative Social and Behavioral Research Online Course (2005)

Collaborative Institutional Training Initiative Social and Behavioral Research Refresher Online Course (2010)

Purdue University Graduate School, non-degree student (2012)

Purdue University Graduate School, PhD student (2013 to present)