

Curriculum Vitae of Robert K. Swihart (September 2023)

Address

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Education

1985	Ph.D.	University of Kansas (GPA: 4.0/4.0) <i>Statistical analysis of mammalian movements, with emphasis on the treatment of autocorrelated observations</i>
1984	M.Ph.	University of Kansas
1981	M.S.	University of Minnesota (GPA: 4.0/4.0) <i>Use of farmland habitat patches by the eastern cottontail (<i>Sylvilagus floridanus</i>)</i>
1979	B.S.	Purdue University (GPA: 4.0/4.0)

Academic Appointments

1998-present	Professor, Purdue University
2005-2016	Head, Department of Forestry and Natural Resources (FNR), Purdue University
2004-2005	Interim Head, Department of Forestry and Natural Resources, Purdue University
2005	Codirector, Initiative for a Discovery Park Center for the Environment
1994-1998	Associate Professor, Purdue University
1991-1994	Assistant Professor, Purdue University
1989-1991	Associate Scientist, Connecticut Agricultural Experiment Station
1986-1989	Assistant Scientist, Connecticut Agricultural Experiment Station
1986	Postdoctoral Fellow, National Institutes of Health
1985	Project Assistant, Kansas State Historical Society

Honors and Awards

2022	Joseph Grinnell Award for outstanding and sustained contributions to education in mammalogy, American Society of Mammalogists Outstanding Undergraduate Teaching Award, Purdue Forestry and Natural Resources Nominee, Richard L. Kohls College of Agriculture Undergraduate Teaching Award Teaching Award of Merit, North American Colleges and Teachers of Agriculture
2021	Outstanding Undergraduate Teaching Award, Purdue Forestry and Natural Resources
2020	Outstanding Reviewer Award, Natural Sciences Education
2019	Excellence in Research, Seed for Success Award, Purdue University
2017	Purdue Learning Community Academic Connection Award
2016	Pendleton Blanket Award, Native American Educational and Cultural Center, Purdue University Robert D. Burke Special Award, Indiana Tree Farm Program Hoosier Wildlife Award, Indiana Chapter of The Wildlife Society

2015	Purdue Learning Community Real-World Experience Award William L. Hoover Exemplary Faculty Service Award, Purdue FNR Purdue Learning Community Academic Connection Award
2014	Distinguished Service Award, Indiana Arborist Association Purdue Outstanding New Learning Community Instructor Award
2011	Outstanding Graduate Educator, Purdue College of Agriculture Outstanding Graduate Educator, Department of Forestry and Natural Resources
2003-08	Purdue University Faculty Scholar “ <i>[in recognition of] outstanding faculty members who are on an accelerated path for academic distinction.</i> ” \$50,000 discretionary allocation.
2003	Academic Keys’ Who’s Who in Agriculture Higher Education
2003	Best Paper Award, Indiana Chapter of The Wildlife Society
2003-present	Board of Directors, White Buffalo, Incorporated
2001	Purple Baculum Award (inaugural recipient), Alternative Dining Experience, American Society of Mammalogists
2000	Purdue FNR Outstanding Undergraduate Teaching Award
1999	Visiting Scholar, NSF Research Experiences for Undergraduates, Eastern Illinois Univ. Purdue University Residence Halls Earhart Hall Faculty Fellow of the Year
1996	Marquis’ Who’s Who in Engineering and Science, 3rd edition
1995	Purdue University Residence Halls Wiley Hall Faculty Fellow of the Year
1993	Outstanding Undergraduate Teaching Award, Purdue Forestry and Natural Resources
1987-92	Research Associate, University of Kansas Museum of Natural History
1986	NIH Postdoctoral National Research Service Award Graduate Student Research Award, American Society of Mammalogists
1985	Tomanek Outstanding Paper Award, Kansas Academy of Science Honors, doctoral dissertation, University of Kansas
1984	Summer Fellow, University of Kansas
1981-85	Honors Fellow, University of Kansas
1981	Phi Eta Sigma Scholastic Honorary Fraternity
1980	Gamma Sigma Delta Agricultural Honorary Fraternity
1979-80	Bush Fellow, University of Minnesota
1979	Phi Kappa Phi Scholastic Honorary Fraternity
1978	CERES Agricultural Honorary Fraternity

Professional Affiliations

American Society of Mammalogists (Life Member)
The Ecological Society of America
The Wildlife Society
Indiana Academy of Science

Disciplinary Expertise

Quantitative ecology with research focused primarily on forest mammals and the topical areas of fragmentation ecology, plant-herbivore interactions, disturbance ecology, and conservation biology. Uses experimental, comparative and modeling approaches to address the importance of spatial structure for behavioral and ecological processes affecting the conservation and management of vertebrates. Balances theoretical and methodological studies with applied work in human-dominated systems. The inherently interdisciplinary nature of the research has fostered collaboration with mathematicians, statisticians, computer scientists, remote sensing specialists, botanists, parasitologists, endocrinologists, chemists, hydrologists, economists, demographers, geneticists, and social scientists.

Advising

Summary:

- Supervised 12 M.S. students, 20 Ph.D. students, and 13 postdoctoral research associates
- Served on advisory/examining committees for an additional 51 graduate students
- Supervised 60 undergraduate honors/independent research projects
- Served as research mentor for Food, Environment, Engineering and Life Sciences (FEELS) program

Graduate Students – M.S. (listed alphabetically)

Belair née Blythe, Rita

Years: 2011-2014

Thesis: *Ecological interactions affecting American chestnut restoration and Allegheny woodrat conservation in Indiana*

Position: *EPSCoR Program Support Assistant, University of New Hampshire*

Brown née Urban, Natasha

Years: 2007-2010

Thesis: *Responses of small mammals and songbirds to forest management for oak regeneration in southern Indiana*

Other degrees: *Ph.D., University of Cincinnati*

Position: *Scientist, Environmental Solutions and Innovations, Inc. (ESI), Cincinnati, Ohio*

Crick, Julie

Years: 2004-2005

Thesis: *NA, transferred to Human Dimensions lab with Linda Prokopy*

Position: *Extension specialist, Michigan State University*

Goheen, Jacob

Years: 2000-2002

Thesis: *North American red squirrels in the Central Hardwood Region: The ecological implications of a range expansion*

Other degrees: *Ph.D., University of New Mexico*

Position: *Professor, University of Wyoming*

Greenler, Skye

Co-advisor: *Mike Saunders (primary)*

Years: 2016-2018

Thesis: *Acorn dispersal and oak regeneration in a managed landscape*

Other degrees: *Ph.D., Oregon State University*

Position: *Ecologist, U.S. Forest Service*

Hartman, Melody (resident advisor for degree completion)

Major advisor: *Paul DuBow*

Years: 1992-1994

Kellner, Kenneth III

Years: 2009-2012

Thesis: *Temporal dynamics of mast and small mammals: Short-term responses to silviculture*

Other degrees: *Ph.D., Purdue University*

Position: *Research Assistant Professor, Michigan State University*

Kolozsvary, Mary Beth

Years: 1996-1998
Thesis: *Effects of agriculturally induced fragmentation on amphibian assemblages in west-central Indiana*
Other degrees: Ph.D., University of Maine
Position: Associate Professor, Siena College

Nelson, Dana

Years: 2015-2017
Thesis: *Demographic responses of small mammals to disturbance induced by forest management*
Position: Ph.D. student, Clemson University

Prieur, Abby-Gayle

Years: 2017-2019
Thesis: *Vole damage to cover-cropped soybeans: Exploring options of biological and cultural control*
Position: Farm Bill Wildlife Biologist, Ohio DNR and Pheasants Forever

Sheperd, Brennen Forrest

Years: 1992-1994
Thesis: *Ecology and spatial dynamics of fox squirrels (*Sciurus niger*) in fragmented landscapes*
Position: ServPro Restoration Services

Zagorski, Megan

Years: 2017-2019
Thesis: *Winter ecology of raptors in cover-cropped agroecosystems in western Indiana*
Position: Maryland DNR Wildlife & Heritage Service

Graduate Students – Ph.D. (listed alphabetically)

Baker, Sarah

Co-advisors: *Liz Flaherty and Pat Zollner*
Years: 2022-present
Thesis: *Ecology of small mammals in managed Central Hardwood forests*

Baumgarner, Bradley (administrative advisor of record)

Major advisor: *Paul Brown*
Years: 2010
Position: Assistant Professor, University of South Carolina Upstate

Berl, Jacob

Co-advisor: *Liz Flaherty*
Years: 2014-2017
Dissertation: *Ecology of native mice in row-crop agriculture and implications for ecosystems services*
Position: Conservation Officer, Idaho Department of Fish and Game

Delisle, Zackary

Years: 2018-2023
Dissertation: *Modeling density and group size of white-tailed deer (*Odocoileus virginianus*) with distance sampling*
Position: Deer Research Biologist, Indiana Department of Natural Resources

DeNicola, Anthony

Years: 1992-1996

Dissertation: Control of reproduction in overabundant white-tailed deer populations
Position: CEO, White Buffalo, Incorporated

Duchamp, Joseph

Years: 2002-2006
Dissertation: Modeling bat species occurrence and community structure across multiple landscapes with agriculturally induced forest fragmentation
Position: Associate Professor, Indiana University of Pennsylvania

Gehring, Thomas

Years: 1997-2000
Dissertation: Ecology of mammalian predators in a landscape fragmented by agriculture
Position: Professor, Central Michigan University

Govindan, Byju Nambidiyattil

Years: 2004-2013
Dissertation: The role of resource predictability in the metapopulation dynamics of insects
Other: M.S., Computer & Information Technology, Purdue (2013)
Position: Senior Data Scientist, Bayer Crop Sciences

Kellner, Kenneth III

Years: 2012-2015
Dissertation: Interactive effects of animals and silviculture on the early life history of oak
Position: Research Assistant Professor and Biometrician, Michigan State University

Knapp, Shannon

Co-Advisor: Gene Rhodes
Years: 2000-2002
Dissertation: No degree – transferred to Department of Statistics (Ph.D. conferred 2007)
Position: Senior Statistician, University of Arizona

Lichti, Nathanael

Years: 2004-2012
Dissertation: Implications of context-dependent scatterhoarding for seed survival and dispersal in North American oaks (Quercus)
Position: Research Biostatistician, Bindley Bioscience Center, Purdue University

Miller, Michael

Years: 2000-2002
Dissertation: No degree – withdrew from program

Moore, Jeffrey

Years: 2002-2005
Dissertation: Ecology of animal-mediated seed dispersal in the fragmented Central Hardwoods region
Position: Program Lead, California Current Marine Mammal Assessment, NOAA Southwest Fisheries Science Center

Nupp, Thomas

Years: 1992-1997
Dissertation: Community structure of granivorous forest rodents in fragmented landscapes
Position: Professor, Arkansas Tech University

Ochs, Alison

Years: 2019-2023

Dissertation: *Effects of forest management on terrestrial salamanders in a Midwest hardwood ecosystem*
Position: *Postdoctoral Scientist, Carleton University (with L. Fahrig)*

Page, L. Kristen

Co-advisor: *Kevin Kazacos*
Years: *1993-1998*
Dissertation: *Ecology and transmission dynamics of *Baylisascaris procyonis**
Position: *Ruth Kraft Strohschein Distinguished Chair & Professor, Wheaton College*

Rizkalla, Carol

Years: *2003-2009*
Dissertation: *Modeling connectivity for forest rodents*
Other: *Wildlife Biologist, Disney's Animal Kingdom (2007-2009)*
Position: *Panther Management Program Coordinator, Florida Fish and Wildlife Conservation Commission*

Russell, Robin

Years: *2000-2003*
Dissertation: *Population-level consequences of animal movements in fragmented landscapes*
Position: *Quantitative Biologist, U.S. Fish and Wildlife Service Branch of Species Status Assessment Support*

Sundaram, Mekala

Years: *2011-2016*
Dissertation: *The role of seed attributes in eastern gray squirrel foraging*
Position: *Assistant Professor, University of Georgia*

Zeng, Di

Major Advisor: *Ping Ding, Zhejiang University*
Years: *2017-2018 (China Scholarship Council support)*
Dissertation: *Rodent seed dispersal and its response to alteration of mammal communities in fragmented habitats*
Position: *Postdoctoral Scientist, East China Normal University*

Postdoctoral Associates and Research Scientists Supervised

Cain, Rebecca

Years: *2021-2022*
Position: *Postdoctoral Scientist, Purdue University*

Dalgleish, Harmony

Years: *2001*
Position: *Associate Professor, College of William and Mary*

DeWoody, Yssa

Years: *2001-2004*
Position: *Director of Research, Ring14 USA*

Dolan, Benjamin

Years: *2006-2007*
Position: *Associate Professor, Findlay University*

Feiner, Zachary

Years: 2016-2017
Co-advisor: Tomas Höök
Position: Researcher, Wisconsin Department of Natural Resources

Gehring, Thomas

Years: 2001
Position: Professor, Central Michigan University

Gu, Weidong

Years: 2001-2002
Position: Epidemiologist, Vision Center of Excellence, U.S. Defense Health Agency

Jones, Landon

Years: 2018-2021
Position: Postdoctoral Scientist, Mississippi State University

Kellner, Kenneth III

Years: 2016-2017
Position: Research Assistant Professor and Biometrician, Michigan State University

Kirilenko, Andrei

Years: 2002-2005
Position: Associate Professor, University of Florida

Lichti, Nathanael

Years: 2013-2014
Position: Research Biostatistician, Bindley Bioscience Center, Purdue University

Lusk, Jeffery

Years: 2005
Position: Program Manager, Data & Biometry, Nebraska Game & Parks Commission

Smyser, Timothy

Years: 2010-2016
Position: Research Biologist, USDA APHIS National Wildlife Research Center

Graduate Student Advisory/Examining Committees (alphabetical)

Anderson, Sara (Ph.D., 2010)
Archer, Ashley (M.S., 2020)
Atwood, Todd (M.S., 2002)
Beasley, James (M.S., 2005)
Beatty, William (Ph.D., 2012)
Brooks, Jonathan (Ph.D., 2024 – anticipated)
Clarkston, Valerie (M.S., 2011)
Crick, Julie (M.S., 2003)
Cuprewich, Sarah (M.S. 2021)
D’Acunto, Laura (Ph.D., 2018)
Dalzell, Brent (Ph.D., 2004, Earth and Atmospheric Sciences)
Daugherty, Dan (M.S., 2003)
Day, Casey (Ph.D., 2018)

DeVault, Travis (Ph.D., 2003)
 Dickson, Randall (M.S., 1996)
 Ehrenberger, Kacie (M.S., 2003)
 Elliott, Jessie (M.S., 2022)
 Feiner, Zackary (Ph.D., 2016)
 Fernandez, Nadia (M.S., 2018)
 Gehring, Joelle (Ph.D., 2003)
 Goldner, Jakob (Ph.D., 2021, Entomology)
 Hennessy, Cecilia (Ph.D., 2012)
 Hunter, Christine (M.S., 1996)
 Jankowski, Jill (M.S., 2004, Biological Sciences)
 Kennedy, Anthony (M.S., 2005)
 Klement, Allison (M.S., 2010)
 Knott, Jonathan (Ph.D., 2020)
 LaBonte, Nick (Ph.D., 2017)
 Lagory, Suse (M.S., 2022)
 Lawton, Jessica (Ph.D., 2022, La Trobe University)
 Martin, Brett (M.S., 2003)
 Maxted, Angie (M.S., 2001)
 McCann, Nick (Ph.D., 2011)
 McColgin, Maureen (Ph.D., 2004, Biological Sciences)
 Miller, Brian (Ph.D., 2003)
 Mulyani, Yeni (M.S. 1992)
 Munroe, Karen (M.S., 2004, Biological Sciences)
 Mycroft née Lamprecht, Cortney (M.S., 2005)
 Osborne, David (M.S., 1993)
 Outcalt, Jessica (Ph.D., 2020)
 Pauli, Ben (Ph.D., 2014)
 Phelps, Joe (Ph.D., 2003)
 Retamosa, Monica (Ph.D., 2006)
 Sample, Richard D. (Ph.D., 2022)
 Stinchcomb, Taylor (Ph.D., 2022)
 Tsai, Chia-Chun "Tricia" (Ph.D., 2017)
 Weakland, Cathy (M.S., 1995)
 Webster, Christopher (M.S., 1997)
 Werne, Wayne (M.S., 1994)
 Willoughby, Janna (Ph.D., 2015)

Graduate Student Awards

1994 Tony DeNicola	Best Paper Award, Indiana Chapter of The Wildlife Society
1995 Tony DeNicola	Honor Society of Agriculture, Gamma Sigma Delta
1996 Mary Beth Kolozsvary	Research Award, Indiana Academy of Science
1997 Tom Gehring	Research Award, Indiana Academy of Science
Mary Beth Kolozsvary	Graduate Student Travel Award to Czech Republic, National Science Foundation
1999 Tom Gehring	Grant-in-Aid of Research, American Society of Mammalogists
	Research Award, Indiana Academy of Science

2000	Tom Gehring	Theodore Roosevelt Memorial Fund, American Museum of Natural History
	Jake Goheen	Research Award, American Wildlife Research Foundation Research Award, Indiana Academy of Science Grant-in-Aid of Research, Sigma Xi Grant-in-Aid of Research, American Society of Mammalogists
	Shannon Knapp	Fredrick N. Andrews Fellowship, Purdue University
2001	Jake Goheen	Research Award, Indiana Academy of Science Travel Award, Purdue University Graduate Student Association
	Robin Russell	Travel Award, Purdue University Graduate Student Association
2002	Joe Duchamp	Pittsburgh Zoo Conservation Fund
	Jake Goheen	Outstanding Poster Presentation, Purdue FNR
	Shannon Knapp	Scholarship, Summer Institute in Statistical Genetics, North Carolina State University
	Robin Russell	Grant-in-Aid of Research, American Society of Mammalogists
2003	Joe Duchamp	Outstanding Student Poster, North American Bat Research Symposium
	Robin Russell	Travel Award, Purdue University Graduate Student Association
2004	Joe Duchamp	Research Award, Indiana Academy of Science Best Poster, Fifth Annual Winemiller Symposium
	Nate Lichti	Fredrick N. Andrews Fellowship, Purdue University
	Carol Rizkalla	Fellow, Graduate Assistance in Areas of National Need, U.S. Department of Education
2005	Jeff Moore	A. Brazier Howell Graduate Student Paper Award, American Society of Mammalogists The Teaching Academy Graduate Teaching Award, Purdue FNR First Place, Graduate Student Research Poster Award, Purdue FNR
	Carol Rizkalla	The Wildlife Society Travel Award
2006	Nate Lichti	Purdue Research Foundation Fellowship
	Carol Rizkalla	Travel Award, Purdue University Graduate Student Association
2007	Carol Rizkalla	Emerging Wildlife Conservation Leaders
2008	Byju Govindan	Frederick N. Andrews Environmental Travel Award, Purdue University
2009	Byju Govindan	Bilsland Dissertation Fellowship, Purdue University
	Ken Kellner	Fredrick N. Andrews Fellowship, Purdue University
2011	Mekala Sundaram	Fredrick N. Andrews Fellowship, Purdue University
2013	Nate Lichti	Kirkpatrick Memorial Graduate Student Award, Purdue FNR
2014	Jacob Berl	The Wildlife Society Travel Award
	Ken Kellner	Fischer Forestry Fund Graduate Student Scholarship
	Mekala Sundaram	Grant-in-Aid of Research, American Society of Mammalogists
2015	Ken Kellner	Kirkpatrick Memorial Graduate Student Award, Purdue FNR The Teaching Academy Graduate Teaching Award, Purdue FNR
2016	Mekala Sundaram	First Place, Graduate Student Research Poster Award, Purdue FNR
2017	Jacob Berl	The Teaching Academy Graduate Teaching Award, Purdue FNR
	Skye Greenler	First Place, M.S. Student Engagement Poster Award, Purdue FNR
2018	Abby-Gayle Prieur	Research Award, Indiana Academy of Science
	Megan Zagorski	First Place, M.S. Student Research Poster Award, Purdue FNR Professional Development Grant, Purdue Grad Student Government
2021	Ken Kellner	Chase S. Osborn Early Career Award, Purdue FNR
	Robin Russell	Outstanding Alumnus Award, Purdue FNR

2023 Zackary Delisle

Kirkpatrick Memorial Graduate Student Award, Purdue FNR

Research Productivity/Impact

Summary:

- Number of scientific articles produced per completed graduate student or postdoctoral advisee from work done at Purdue:

	<u>Mean</u>	<u>Range</u>
M.S.	3.5	1 – 8
Ph.D.	6.9	1 – 12
Postdoc	3.3	0 – 9

- 227 scientific articles, book chapters, and edited monographs
- 15 learning and engagement deliverables
- See http://scholar.google.com/citations?view_op=list_works&hl=en&user=FXbj00QAAAAJ ;
- Citation-based bibliometrics:

	<u>Web of Science</u>	<u>Google Scholar</u>
Citations	7,457	12,527
h-index ^a	44	56
i-10 index ^b	129	153

^ah publications cited at least h times

^bi publications cited at least 10 times

- ResearchGate score = 41.29 (top 2.5%; www.researchgate.net; discontinued July 2022)
- ResearchGate Research Interest score = 4,928: top 1% all RG members, top 2% in ecology, top 6% all who first published in 1982
- Expertscape.com top 0.75% of authors on Feeding Behavior
- Delivered >130 oral or poster presentations, including >40 invited presentations
- Secured \$7,830,000 in funding (from a total of \$13,523,000 with other investigators)
- Interviews with and coverage by local, state, national, and international media including
 - British Broadcasting Corporation (BBC)
 - Reuters
 - CNN
 - MSNBC
 - National Public Radio's Morning Edition
 - Christian Science Monitor
 - Newsday
 - WJR-AM Detroit
 - New York Times
 - Detroit Free Press
 - Indianapolis Star
 - Hartford Courant
 - Novelist J. Doll
 - Children's book author Sally Walker

Research Publications

(ζ = undergraduate student; * = graduate student; ** = postdoctoral associate)

Manuscripts in Review/Revision

1. *Cuprewich, S., **R. Stephens, R.K. Swihart, C. Aime, and M.R. Saunders. Fungal resource selection by eastern chipmunks (*Tamias striatus*): effects of prescribed fire and implications for spore dispersal.
2. *Delisle, Z.J., *M. Heinrich, **P. Palencia, and R.K. Swihart. Reducing bias in density estimates for unmarked populations that exhibit reactive behavior towards camera traps.
3. *Delisle, Z.J., **R. Cain, ^cA. Andritsch, **S. Janjua, J.A. DeWoody, and R.K. Swihart. Comparing coyote (*Canis latrans*) density estimates from camera traps and genetic spatial capture recapture.
4. *Delisle, Z.J., *R.D. Sample, J.N. Caudell, and R.K. Swihart. Deer activity levels and patterns shift along interactive gradients of food availability and anthropogenic development.
5. *Stinchcomb, T.R., Z. Ma, R.K. Swihart, J.N. Caudell, Z. Nyssa, and C.C. Sponarski. Mapping social conflicts to enhance the integrated management of white-tailed deer (*Odocoileus virginianus*).

Articles in Print or in Press

227. *Delisle, Z.J., *R.D. Sample, and R.K. Swihart. 2023. Fear, concealment, and time of day predict group size of a common ungulate. *Ecosphere*. In press.
226. *Sample, R.D., *Z.J. Delisle, *J.M. Pierce, R.K. Swihart, J.N. Caudell, C.R. Webster, and M.A. Jenkins. 2023. Predicting and indexing ungulate browse intensity from local to regional scales. *Ecological Indicators*. In press.
225. *Sample, R.D., *Z.J. Delisle, *J.M. Pierce, R.K. Swihart, J.N. Caudell, and M.A. Jenkins. 2023. Selection rankings of woody species for white-tailed deer vary with browse intensity and landscape context within the Central Hardwood Forest Region. *Forest Ecology and Management*. <https://doi.org/10.1016/j.foreco.2023.120969>.
224. *Delisle, Z.J., D.L. Miller, and R.K. Swihart. 2023. Modeling density surfaces of intraspecific classes using camera-trap distance sampling. *Methods in Ecology and Evolution* 14:1287-1298. <http://doi.org/10.1111/2041-210X.14093>.
223. *Delisle, Z.J., P.G. McGovern, B.G. Dillman, J.N. Caudell, C.J. Reeling, and R.K. Swihart. 2023. Using cost-effectiveness analysis to compare density-estimation methods for large-scale management. *Wildlife Society Bulletin* e1430. <https://doi.org/10.1002/wsb.1430>.
222. *Delisle, Z.J., P.G. McGovern, B.G. Dillman, and R.K. Swihart. 2023. Imperfect detection and wildlife density estimation using aerial surveys with infrared and visible sensors. *Remote Sensing in Ecology and Conservation* 9:222-234. <https://doi.org/10.1002/rse2.305>.
221. *Knott, J.A., L. Liang, J.S. Dukes, R.K. Swihart, and S. Fei. 2022. Phenological response to climate variation in a northern red oak plantation: links to survival and productivity. *Ecology* e3940. <https://doi.org/10.1002/ecy.3940>.
220. Swihart, R.K. 2022. A systematic assessment of Indiana mammal research, researchers, and future needs. *Proceedings of the Indiana Academy of Science* 130(2):163-178.
219. *Stinchcomb, T.R., Z. Ma, R.K. Swihart, and J.N. Caudell. 2022. Expanding and evaluating public satisfaction with wildlife governance: insights from deer management in Indiana, USA. *Environmental Management* <https://doi.org/10.1007/s00267-022-01698-5>.
218. **Jones, L.R., S.A. Johnson, C.M. Hudson, P.A. Zollner, and R.K. Swihart. 2022. Habitat selection in a recovering bobcat (*Lynx rufus*) population. *PLOS ONE* 17(8): e0269258. <https://doi.org/10.1371/journal.pone.0269258>.
217. **Jones, L.R., R.K. Swihart, D.F. Gleich, G. Albers, S.A. Johnson, C.M. Hudson, and P.A. Zollner. 2022. Estimating statewide carrying capacity of bobcat (*Lynx rufus*) using improved maximum clique algorithms. *Landscape Ecology*. <https://doi.org/10.1007/s10980-022-01460-6>.

216. *Ochs, A.E., M.R. Saunders, and R.K. Swihart. 2022. Response of terrestrial salamanders to the decade following timber harvest in hardwood forests. *Forest Ecology and Management* 511:120159. <https://doi.org/10.1016/j.foreco.2022.120159>.
215. *Delisle, Z.J., R.K. Swihart, **B.M. Quinby, *R.D. Sample, [§]K.J. Kinser-McBee, [§]E.K. Tauber, and E.A. Flaherty. 2022. Density from pellet groups: Comparing methods for estimating dung persistence time. *Wildlife Society Bulletin*. <https://doi.org/10.1002/wsb.1325>.
214. Gehring, T.M., R.K. Swihart, and [§]E.E. Cline. 2021. Habitat use by long-tailed weasels in a fragmented agricultural landscape. *American Midland Naturalist* 186:136-149.
213. [§]Davis, M.M., T.J. Smyser, S.A. Johnson, J. Duchamp, J.L. Larkin, R.K. Swihart, and J.M. Doyle. 2021. Reproductive success of captive-reared Allegheny woodrats (*Neotoma magister*) released into genetically depauperate populations. *Conservation Genetics* 22:903-912. <https://doi.org/10.1007/s10592-021-01372-z>
212. *Delisle, Z.J., E.A. Flaherty, [§]M.R. Nobbe, [§]C.M. Wzientek, and R.K. Swihart. 2021. Next-generation camera trapping: Systematic review of historic trends suggests keys to expanded research applications in ecology and conservation. *Frontiers in Ecology and Evolution* 9:617996. <https://www.frontiersin.org/articles/10.3389/fevo.2021.617996/full>
211. *Zagorski, M.E., and R.K. Swihart. 2021. Raptor resource selection in agroecosystems: cover crops and definitions of availability matter. *Avian Ecology & Conservation* 16(1):1. <https://doi.org/10.5751/ACE-01719-160101>
210. [§]Kosins, A.L., *A-G.A. Prieur, and R.K. Swihart. 2020. Reduced overwinter survival of unharvested corn in fields with cover crops. *Weed Biology and Management* 20:147-153. <https://doi.org/10.1111/wbm.12211>.
209. *Prieur, A-G. A., and R.K. Swihart. 2020. Vole activity surveys predict damage to cover-cropped soybeans. *Annals of Applied Biology*. <https://doi.org/10.1111/aab.12650>.
208. *Zagorski, M.E., and R.K. Swihart. 2020. Northern harriers (*Circus hudsonius*) are facultative specialists on arvicoline rodents in midwestern agroecosystems. *American Midland Naturalist* 184:188-204.
207. **Jones, L.R., [§]E. Godollei, S.A. Johnson, C.M. Hudson, P.A. Zollner, and R.K. Swihart. 2020. Survival and mortality sources in a recovering population of bobcats (*Lynx rufus*) in south-central Indiana. *American Midland Naturalist* 184:222-232.
206. *Zagorski, M.E., and R.K. Swihart. 2020. Killing time in cover crops? Artificial perches promote field use by raptors. *Annals of Applied Biology*. <https://doi.org/10.1111/aab.12623>.
205. *Prieur, A-G. A., and R.K. Swihart. 2020. Field attributes and farming practices associated with vole (*Microtus*) damage in cover-cropped fields. *Agriculture, Ecosystems, and Environment* 300 (2020) 106950. <https://doi.org/10.1016/j.agee.2020.106950>.
204. *Prieur, A-G. A., and R.K. Swihart. 2020. Palatability of common cover crops to voles (*Microtus*). *Crop Protection* 133 (2020) 105141. <https://doi.org/10.1016/j.cropro.2020.105141>.
203. *Greenler, S.M., R.K. Swihart, and M.R. Saunders. 2020. Prescribed fire promotes acorn survival and seedling emergence from simulated caches. *Forest Ecology and Management* 464 (2020) 118063. <https://doi.org/10.1016/j.foreco.2020.118063>.
202. **Kierepka, E.M., S.A. Anderson, R.K. Swihart, and O.E. Rhodes, Jr. 2020. Differing, multi-scale landscape effects on genetic diversity and differentiation in eastern chipmunks. *Heredity* 124:457-468. <https://doi.org/10.1038/s41437-020-0293-0>.
201. Swihart, R.K., J.N. Caudell, J.M. Brooke, and Z. Ma. 2020. A flexible model-based approach to delineate wildlife management units. *Wildlife Society Bulletin* 44:77-85. <https://doi.org/10.1002/wsb.1037>.

200. *Sundaram, M, [¶]A. Higdon, K. Wood, C. Bonham, and R.K. Swihart. 2020. Mechanisms underlying detection of seed dormancy by a scatter-hoarding rodent. *Integrative Zoology* 15:89-102. <https://doi.org/10.1111/1749-4877.12417>.
199. **Kellner, K.F., *J.E. Duchamp, and R.K. Swihart. 2019. Niche breadth and vertebrate sensitivity to habitat modification: signals from multiple taxa across replicated landscapes. *Biodiversity and Conservation* 28:2647-2667. <https://doi.org/10.1007/s10531-019-01785-w>.
198. *Greenler, S.M., [¶]L.A. Estrada, K.F. Kellner, M.R. Saunders, and R.K. Swihart. 2019. Prescribed fire and partial overstory removal alter an acorn-rodent conditional mutualism. *Ecological Applications* 29(7):e01958. <https://doi.org/10.1002/eap.1958>.
197. *Nelson, D.L., **K.F. Kellner, and R.K. Swihart. 2019. Rodent population density and survival respond to disturbance induced by timber harvest. *Journal of Mammalogy* 100:1253-1262. <https://doi.org/10.1093/jmammal/gyz094>.
196. **Feiner, Z.S., C.J. Foley, R.K. Swihart, H. Bootsma, S. Czesny, J. Janssen, J. Rinchard, and T.O. Höök. 2019. Individual and spatial variation are as important as species-level variation to the trophic complexity of a lentic food web. *Ecology of Freshwater Fish* 2019:1-17. <https://doi.org/10.1111/eff.12472>.
195. *Zeng, Di, R.K. Swihart, Y. Zhao, X. Si, and P. Deng. 2019. Cascading effects of forested area and isolation on seed dispersal effectiveness of rodents on subtropical islands. *Journal of Ecology* 107:1506-1517. <https://doi.org/10.1111/1365-2745.13122>.
194. [¶]Bartlow, A., R. Curtis, N.I. Lichti, R.K. Swihart, and M.A. Steele. 2018. Re-caching of acorns by eastern gray squirrels: cache management in eastern deciduous forests of North America. *Acta Oecologica* 92:117-122.
193. **Feiner, Z.S., R.K. Swihart, D.P. Coulter, and T.O. Höök. 2018. Fatty acids in an iteroparous fish: variable complexity, identity, and phenotypic correlates. *Canadian Journal of Zoology* 96:859-868.
192. *Ruhl, P.J., **K.F. Kellner, [¶]J.M. Pierce, J.K. Riegel, R.K. Swihart, M.R. Saunders, and J.B. Dunning, Jr. 2018. Characterization of worm-eating warbler (*Helmintheros vermivorum*) breeding habitat at the landscape level and nest scale. *Avian Conservation and Ecology* 13(1):11. <https://doi.org/10.5751/ACE-01185-130111>.
191. **Kellner, K.F., *P.J. Ruhl, J.B. Dunning, Jr., K.W. Barnes, M.R. Saunders, and R.K. Swihart. 2018. Local-scale habitat components driving bird abundance in eastern deciduous forests. *American Midland Naturalist* 180:52-65.
190. Swihart, R.K., **M. Sundaram, K.F. Kellner, and S. Fei. 2018. Benchmarking scholarly performance by faculty in forestry and forest products. *Journal of Forestry* 116:320-327.
189. *Sundaram, M, N.I. Lichti, N.O. Widmar, and R.K. Swihart. 2018. Eastern gray squirrels are consistent shoppers of seed traits: Insights from discrete choice experiments. *Integrative Zoology* 13:280-296.
188. *Berl, J.L., E.A. Flaherty, **K.F. Kellner, and R.K. Swihart. 2018. Spatial variation in density of white-footed mice along edges in fragmented habitat. *American Midland Naturalist* 179:38-50.
187. *Berl, J.L., A.J. Kuenzi, E.A. Flaherty, and R.K. Swihart. 2018. Interspecific comparison of hantavirus prevalence in *Peromyscus* populations from a fragmented agro-ecosystem in Indiana, USA. *Journal of Wildlife Diseases* 54:147-150.
186. *Berl, J.L., [¶]K.M. Verble, E.A. Flaherty, and R.K. Swihart. 2017. Field discrimination of prairie deer mice and white-footed mice using morphological characteristics. *The Prairie Naturalist* 49:66-71.

185. *Berl, J.L., [¶]M.W. Voorhees, [¶]J.Y. Wu, E.A. Flaherty, and R.K. Swihart. 2017. Collection of blood from wild-caught mice (*Peromyscus*) via sub-mandibular venipuncture. *Wildlife Society Bulletin* 41:816-820.
184. *Berl, J.L., E.A. Flaherty, B.J. Danielson, **K.F. Kellner, and R.K. Swihart. 2017. Winter ecology of prairie deer mice (*Peromyscus maniculatus bairdii*) in cultivated habitats: implications for agricultural ecosystem services. *Agriculture, Ecosystems & Environment* 249:130-136.
183. *Berl, J.L., [¶]H.A. Johnstone, [¶]J.Y. Wu, E.A. Flaherty, and R.K. Swihart. 2017. Preference for weed seed and waste grain by native mice in row-crop agriculture. *Weed Science* 65:406-412.
182. [¶]Abercrombie, S.A., *J.L. Berl, E.A. Flaherty, and R.K. Swihart. 2017. Seasonal foraging by forest mice enhances loss of weed seeds from crop-field edges. *Northeastern Naturalist* 24:5-17.
181. *Kellner, K.F., and R.K. Swihart. 2017. Simulation of oak early life history and interactions with disturbance via an individual-based model, SOEL. *PLoS ONE* 12(6):e0179643.
180. *Kellner, K.F., and R.K. Swihart. 2017. Herbivory on planted oak seedlings across a habitat edge created by timber harvest. *Plant Ecology* 218:213-223.
179. *Sundaram, M., N.I. Lichti, M.A. Steele, H.J. Dalglish, and R.K. Swihart. 2017. Frequency-dependent hoarding by *Sciurus carolinensis* occurs with seeds of similar perceived value. *Journal of Mammalogy* 98:124-134.
178. **Lichti, N.I., M.A. Steele, and R.K. Swihart. 2017. Seed fate and decision-making processes in scatterhoarding rodents. *Biological Reviews* 92:474-504.
177. **Smyser, T.J., G.E Stauffer**, S.A. Johnson, C.M. Hudson, O.E. Rhodes, Jr., and R.K. Swihart. 2016. Annual survival of Allegheny woodrats in a nonequilibrium metapopulation. *Journal of Mammalogy* 97:1699-1708.
176. Fan, Meng, Wu, Ping, Feng, Zhilan, and Swihart, Robert K. 2016. Dynamics of predator-prey metapopulations with Allee effects. *Bulletin of Mathematical Biology* 78:1727-1748.
175. **Kellner, K.F., *P.J. Ruhl, J.K. Riegel, J.B. Dunning, Jr., and R.K. Swihart. 2016. Multi-scale responses by breeding birds to experimental forest management in Indiana, USA. *Forest Ecology and Management* 382:64-75.
174. Negreros-Castillo, P, I. Martínez-Salazar, *K.F. Kellner, C.W. Mize, R.K. Swihart, and M.A. Navarro-Martínez. 2016. Survival of *Swietenia macrophylla* King seed when directly sown into slash and burn agriculture fields in Quintana Roo, Mexico. *Bois et Forêts des Tropiques* 329(3):43-52.
173. **Kierepka, E.M., S.A. Anderson, R.K. Swihart, and O.E. Rhodes, Jr. 2016. Evaluating the influence of life history characteristics on genetic structure: A comparison of small mammals inhabiting complex agricultural landscapes. *Ecology and Evolution*, doi:10.1002/ece3.2269.
172. *Kellner, K.F., and R.K. Swihart. 2016. Timber harvest and drought interact to impact oak seedling growth and survival in the Central Hardwood Forest. *Ecosphere* 7(10): e01473.
www.esajournals.org.
171. *Kellner, K.F., N.I. Lichti, and R.K. Swihart. 2016. Midstory removal reduces effectiveness of oak (*Quercus*) acorn dispersal by small mammals in the Central Hardwood Forest region. *Forest Ecology and Management* 375:182-190.
170. Swihart, R.K., *M. Sundaram, T.O. Höök, J.A. DeWoody, and K.F. Kellner**. 2016. Benchmarks of scholarly performance for faculty in fisheries and wildlife. *PLoS ONE* 11(5): e0155097.
doi:10.1371/journal.pone.0155097.
169. **Willoughby, J.R., B.K. Wijayawardena*, M. Sundaram*, R.K. Swihart, and J.A. DeWoody. 2016. The importance of including imperfect detection models in eDNA experimental design. *Molecular Ecology Resources* doi: 10.1111/1755-0998.12531.
168. Swihart, R.K., *M. Sundaram, T.O. Höök, and J.A. DeWoody. 2016. Factors affecting scholarly performance by wildlife and fisheries faculty. *Journal of Wildlife Management* 80:563-572.

167. **Smyser, T.J., R. Blythe*, S.A. Johnson, N.I. Lichti, and R.K. Swihart. 2016. Allegheny woodrat hard mast preference and response to food supplementation. *Journal of Wildlife Management* 80:275-283.
166. Dalgleish, H.J., **N.I. Lichti, [§]N. Schmedding, and R.K. Swihart. 2015. Exposure to herbivores increases seedling growth and survival of American chestnut (*Castanea dentata*) through decreased interspecific competition in canopy gaps. *Restoration Ecology* 23:655-661.
165. **Smyser, T.J., S. Johnson, [§]M.D. Stallard, A.K. McGrew, L.K. Page, N. Crider, L.R. Ballweber, R.K. Swihart, and K.C. VerCauteren. 2015. Evaluation of anthelmintic fishmeal polymer baits for the control of *Baylisascaris procyonis* in free-ranging raccoons (*Procyon lotor*). *Journal of Wildlife Diseases* 51:640-650.
164. *Blythe, R., **N.I. Lichti, **T.J. Smyser, and R.K. Swihart. 2015. Selection, caching, and consumption of hardwood seeds by forest rodents: Implications for restoration of American chestnut. *Restoration Ecology* 23:473-481.
163. *Blythe, R., **T.J. Smyser, and R.K. Swihart. 2015. Tree squirrel seed predation patterns may influence American chestnut restoration success. *New Forests* 46:593-600.
162. [§]Leonard, O.D., [§]J.W. Moore, J.K. Riegel, A.R. Meier, J.B. Dunning, Jr., and R.K. Swihart. 2015. Effect of forest-management practices on winter occupancy of Barred Owls and Eastern Screech-Owls in deciduous forests in the east-central United States. *Journal of Field Ornithology* 86:115-129.
161. *Blythe, R., **T. Smyser, S. Johnson, and R.K. Swihart. 2015. Post-release survival of captive-reared Allegheny woodrats. *Animal Conservation* 18:186-195.
160. *Sundaram, M., *J. Willoughby, **N.I. Lichti, M.A. Steele, and R.K. Swihart. 2015. Segregating the effects of seed traits and common ancestry of hardwood trees on eastern gray squirrel foraging decisions. *PLOS ONE* 10(6): e0130942. doi:10.1371/journal.pone.0130942.
159. *Anderson, S.J., *E.M. Kierepka, E.K. Latch, R.K. Swihart, and O.E. Rhodes, Jr. 2015. Assessing the permeability of landscape features to animal movement: Using genetic structure to infer functional connectivity. *PLOS ONE* 10(2):e0117500. DOI:10.1371/journal.pone.0117500.
158. **Smyser, T.J., J.V. Redding, Jr., [§]C.M. Bevis, L.K. Page, and R.K. Swihart. 2015. Development of an automated dispenser for the delivery of medicinal or vaccine-laden baits to raccoons. *Journal of Wildlife Diseases* 51:513-518.
157. *Govindan, B.N., Z. Feng, Y. DeWoody, and R.K. Swihart. 2015. Intermediate disturbance in experimental landscapes improves persistence of beetle metapopulations. *Ecology* 96:728-736.
156. *Govindan, B.N., and R.K. Swihart. 2015. Community structure of acorn weevils (*Curculio*): inferences from multi-species occupancy models. *Canadian Journal of Zoology* 93:31-39.
155. *Kellner, K.F., J. Riegel, and R.K. Swihart. 2014. Effects of silvicultural disturbance on acorn infestation and removal. *New Forests* 45:265-281.
154. **Smyser, T.J., and R.K. Swihart. 2014. Husbandry practices for the captive propagation of Allegheny woodrats. *Zoo Biology* 33:29-35.
153. *Kellner, K.F. and R.K. Swihart. 2014. Accounting for imperfect detection in ecology: a quantitative review. *PLOS ONE* 9(10): e111436.
152. *Kellner, K.F., and R.K. Swihart. 2014. Changes in small mammal microhabitat use following silvicultural disturbance. *American Midland Naturalist* 172:348-358.
151. *Lichti, N.I., M.A. Steele, H. Zhang, and R.K. Swihart. 2014. Mast species composition alters seed fate in North American rodent-dispersed hardwoods. *Ecology* 95:1746-1758.
150. *Kellner, K.F., *N.A. Urban, and R.K. Swihart. 2013. Short-term responses of small mammals to timber harvest in the Central Hardwoods. *Journal of Wildlife Management* 77:1650-1663.
149. **Smyser, T.J., L.K. Page, S.A. Johnson, C.M. Hudson, *K.F. Kellner, R.K. Swihart, and O.E. Rhodes, Jr. 2013. Management of raccoon roundworm in free-ranging raccoon populations via anthelmintic baiting. *Journal of Wildlife Management* 77:1372-1379.

148. [©]Richardson, K.B., *N.I. Lichti, and R.K. Swihart. 2013. Acorn foraging preferences among four species of free-ranging avian seed predators in eastern deciduous forests. *Condor* 115:863-873.
147. [©]Sipes, A.R., Jr., *N.I. Lichti, and R.K. Swihart. 2013. Acorn germination is not enhanced near cache sites relative to random locations. *Canadian Journal of Zoology* 91:529-532.
146. **Dalglish, H.J., *J.T. Shukle, and R.K. Swihart. 2013. Weevil diversity on Chinese, American, and BC₃ chestnut in central Indiana. *Journal of the American Chestnut Foundation* 27(3):24-28.
145. Swihart, R.K., M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler (editors). 2013. *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management*. General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: <http://www.nrs.fs.fed.us/pubs/42882>
144. Saunders, M.R., and R.K. Swihart. 2013. Science in the Hardwood Ecosystem Experiment: accomplishments and the road ahead. Pages 315-332 in *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management* (R.K. Swihart, M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler, editors). General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: <http://www.nrs.fs.fed.us/pubs/42882>
143. *Urban, N.A., and R.K. Swihart. 2013. A pre-treatment assessment of small mammals in the Hardwood Ecosystem Experiment. Pages 151-175 in *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management* (R.K. Swihart, M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler, editors). General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: <http://www.nrs.fs.fed.us/pubs/42882>
142. *Kellner, K.F., J.K. Riegel, *N.I. Lichti, and R.K. Swihart. 2013. Oak mast production and animal impacts on acorn survival in the Central Hardwoods. Pages 176-190 in *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management* (R.K. Swihart, M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler, editors). General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: <http://www.nrs.fs.fed.us/pubs/42882>
141. **Dalglish, H.J., J.T. Shukle*, and R.K. Swihart. 2012. Weevil seed damage reduces germination and seedling growth of hybrid American chestnut. *Canadian Journal of Forest Research* 42:1107-1114.
140. *Govindan, B.N., and R.K. Swihart. 2012. Experimental beetle metapopulations respond positively to dynamic landscapes and reduced connectivity. *PLoS ONE* 7(4): e34518. doi:10.1371/journal.pone.0034518.
139. Page, L. K., S. A. Johnson, R. K. Swihart, and K. R. Kazacos. 2012. Prevalence of *Baylisascaris procyonis* in habitat associated with Allegheny woodrat (*Neotoma magister*) populations in Indiana. *Journal of Wildlife Diseases* 48:503-507.
138. *Rizkalla, C. R., and R. K. Swihart. 2012. Incorporating behavior-based indices of connectivity into spatially explicit population models. *Canadian Journal of Zoology* 90:222-236.
137. *Urban, N.A., R.K. Swihart, M.C. Malloy*, and J.B. Dunning, Jr. 2012. Improving selection of indicator species when detection is imperfect. *Ecological Indicators* 15:188-197.
136. **Dalglish, H. J., and R. K. Swihart. 2012. American chestnut past and future: implications for resource pulses and consumer populations of eastern U.S. forests. *Restoration Ecology* 20:490-497.

135. *Govindan, B. N., M. Kéry, and R. K. Swihart. 2012. Host selection and responses to forest fragmentation in acorn weevils: Inferences from hierarchical dynamic occupancy models. *Oikos* 121:623-633.
134. [§]Bartlow, A. W., M. Kachmar, N. Lichti*, R. K. Swihart, J. A. Stratford, and M. A. Steele. 2011. Does multiple seed loading in Blue Jays result in selective dispersal of smaller acorns? *Integrative Zoology* 6:235-245.
133. Piao, Z., L. Tang, R. K. Swihart, and S. Wang. 2011. Human-wildlife competition for Korean pine seeds: Vertebrate responses and long-term implications for mixed forests on Changbai Mountain, China. *Annals of Forest Science* 68:911-919 (special issue) DOI 10.007/s13595-011-0097-8.
132. Steele, M.A., M. Bugdal[§], A. Yuan, A. Bartlow[§], J. Buzalewski[§], N. I. Lichti*, and R. K. Swihart. 2011. Cache placement, pilfering, and a recovery advantage in a seed-dispersing rodent: Could predation of scatter hoarders contribute to seedling establishment? *Acta Oecologica* 37:554-560.
131. **Dagleish, H.J., D.F. Jacobs, E. Gustafson, D. Kashian, B.R. Sturtevant, H. Zhang, *N.I. Lichti, A.M. de Bruijn, M. Steele, P. Townsend, R.K. Swihart. 2011. Forecasting carbon storage of eastern forests: Can American chestnut restoration improve storage potential in an uncertain future? In Proceedings of the China-US 2011 Joint Symposium "Global Sustainability Issues in Energy, Climate, Water and Environment." Purdue University, West Lafayette, IN.
130. Britzke, E.R., J.E. Duchamp*, K.L. Murray, R.K. Swihart, and L.W. Robbins. 2011. Acoustic identification of bats in the eastern United States: A comparison of parametric and nonparametric methods. *Journal of Wildlife Management* 75:660-667.
129. *Lichti, N.I., and R.K. Swihart. 2011. Estimating utilization distributions with kernel versus local convex hull methods. *Journal of Wildlife Management* 75:413-422.
128. *Urban, N.A., and R.K. Swihart. 2011. Small mammal responses to forest management for oak regeneration in southern Indiana. *Forest Ecology and Management* 261:353-361.
127. *Duchamp, J.E., D.W. Sparks, and R.K. Swihart. 2010. Exploring the "nutrient hotspot" hypothesis at bat tree roosts. *Journal of Mammalogy* 91:48-53.
126. Steele, M.A., N.I. Lichti*, and R.K. Swihart. 2010. Avian-mediated seed dispersal: an overview and synthesis with an emphasis on temperate forests of central and eastern U.S. Pages 28-43 in *Avian Ecology and Conservation: A Pennsylvania Focus with National Implications* (S.K. Majumdar, M.C. Brittingham, R.M. Ross, R.S. Mulvihill, and J.E. Huffman, editors). Pennsylvania Academy of Science, Easton, PA.
125. Bryant, J.P., T. Clausen, R.K. Swihart, S.M. Landhäusser, C.D.B. Hawkins, M.T. Stevens, S. Carrière, A.P. Kirilenko, A.M. Veitch, R.A. Popko, D.T. Cleland, J.H. Williams, W.J. Jakubas, M.R. Carlson, K.L. Lehmkuhl Bodony, M. Cebrian, T.F. Paragi, P.M. Picone, J.E. Moore, E.C. Packee, T.T. Malone. 2009. Fire drives transcontinental variation in tree birch defense against browsing by snowshoe hares. *American Naturalist* 174:13-23.
124. Feng, Z., R. Liu, D.L. DeAngelis, J.P. Bryant, K. Kielland, F.S. Chapin III, and R.K. Swihart. 2009. Plant toxicity, adaptive herbivory, and plant community dynamics. *Ecosystems* 12:534-547.
123. *Rizkalla, C.R., J.E. Moore*, and R.K. Swihart. 2009. Modeling patch occupancy: relative performance of ecologically scaled landscape indices. *Landscape Ecology* 24:77-88.
122. *Rizkalla, C.R., and R. K. Swihart. 2009. Forecasting the effect of land-use change on forest rodents in Indiana. *Environmental Management*. 44:899-908. Doi 10.1007/s0267-009-9375-8.
121. [§]Schreiber, L.A., and R.K. Swihart. 2009. Selective feeding of pine voles on roots of tree seedlings. *Canadian Journal of Zoology* 87:183-187.

120. Swihart, R.K., D.L. DeAngelis, Z. Feng, and J.P. Bryant. 2009. Troublesome toxins: time to re-think plant-herbivore interactions in vertebrate ecology. *BMC Ecology* 9:5 doi: 10.1186/1472-6785-9-5.
119. *Urban, N.A., and R.K. Swihart. 2009. Multi-scale perspectives on occupancy of meadow jumping mice in landscapes dominated by agriculture. *Journal of Mammalogy* 90:1431-1439.
118. Wakeland, B., and R.K. Swihart. 2009. Ratings of white-tailed deer preferences for woody browse in Indiana. *Proceedings of the Indiana Academy of Science* 118:96-101.
117. *Duchamp, J.E., and R.K. Swihart. 2008. Shifts in bat community structure related to evolved traits and features of human-altered landscapes. *Landscape Ecology* 23:849-860.
116. *Martin, B., G. Shao, R.K. Swihart, G.R. Parker, and L. Tang. 2008. Implications of shared edge length between land cover types for landscape quality: A case study in Midwestern U.S.A. *Landscape Ecology* 23:391-402.
115. *Moore, J.E., and R.K. Swihart. 2008. Factors affecting the relationship between seed removal and seed mortality. *Canadian Journal of Zoology* 86:378-385.
114. Rathfon, R.O., N.I. Lichti*, and R.K. Swihart. 2008. Disking and mid- and understory removal following an above-average acorn crop in three mature oak forests in southern Indiana. *Proceedings of the Central Hardwood Forest Conference* (D.F. Jacobs and C.H. Michler, editors) 16:59-69. U.S. Forest Service General Technical Report NRS-P-24, Newtown Square, PA, 595 pp. [CD-ROM].
113. *Duchamp, J.E., E.B. Arnett, M.A. Larson, and R.K. Swihart. 2007. Ecological considerations for landscape-level management of bats. In M.J. Lacki, J.P. Hayes, and A. Kurta (editors), *Bats in forests: conservation and management*. Johns Hopkins University Press. Pp. 237-261.
112. **Kirilenko, A., B. Chivoiu*, J. Crick*, A. Ross-Davis*, K. Schaaf*, G. Shao, V. Singhania*, and R.K. Swihart. 2007. An internet-based decision support tool for non-industrial private forest landowners. *Environmental Modeling and Software* 22:1498-1508.
111. **Lusk, J.J., R.K. Swihart, and J.R. Goheen*. 2007. Correlates of interspecific synchrony and interannual variation in seed production by deciduous trees. *Forest Ecology and Management* 242:656-670.
110. *Moore, J.E., A.B. McEuen, R.K. Swihart, T.A. Contreras, and M.A. Steele. 2007. Determinants of seed-removal distance by scatter-hoarding rodents in deciduous forests. *Ecology* 88:2529-2540.
109. *Moore, J.E., and R.K. Swihart. 2007. Toward ecologically explicit null models of nestedness. *Oecologia* 152:763-777.
108. *Moore, J.E., and R.K. Swihart. 2007. Importance of fragmentation-tolerant species as seed dispersers in disturbed landscapes. *Oecologia* 151:663-674.
107. *Rizkalla, C.R., and R.K. Swihart. 2007. Explaining movement decisions of forest rodents in fragmented landscapes. *Biological Conservation* 140:339-348.
106. *Russell, R.E., R.K. Swihart, and B.A. Craig. 2007. The effects of matrix structure on movement decisions of meadow voles. *Journal of Mammalogy* 88:573-579.
105. Swihart, R.K., J.R. Goheen*, S.A. Schnelker^c, and C.E. Rizkalla*. 2007. Testing the generality of patch and landscape-level predictors of tree squirrel occurrence at a regional scale. *Journal of Mammalogy* 88:564-572.
104. Beever, E.A., R.K. Swihart, and B.T. Bestelmeyer. 2006. Linking the concept of scale to studies of biological diversity: evolving approaches and tools. *Diversity and Distributions* 12:229-235. [Introductory article to Special feature on linking the concept of scale to studies of biological diversity]

103. *Duchamp, J.E., M. Yates, R-M Muzika, and R.K. Swihart. 2006. Estimating probabilities of detection for bat echolocation calls: an application of the double-observer method. *Wildlife Society Bulletin* 34:408-412.
102. Kurtz, W.B., J.M. Fly, and R.K. Swihart. 2006. Impacts of landscape fragmentation in the Central Hardwood Region of the United States. *Proceedings of the International Union of Forest Research Organizations* 3.08 Symposium on Small-scale Forestry and Rural Development: The Intersection of Ecosystems, Economics, and Society. Pp. 212-225. June 18-23. Galway, Ireland.
101. Li, Y., Z. Feng, R.K. Swihart, J.P. Bryant, and N. Huntly. 2006. Modeling the impact of plant toxicity on plant-herbivore dynamics. *Journal of Dynamics and Differential Equations* 18:1021-1042.
100. *Moore, J.E., and R.K. Swihart. 2006. Nut selection by captive blue jays: importance of availability and implications for seed dispersal. *Condor* 108:377-388.
99. *Rizkalla, C.E., and R.K. Swihart. 2006. Community structure and differential responses of aquatic turtles to agriculturally induced habitat fragmentation. *Landscape Ecology* 21:1361-1375.
98. Swihart, R.K., J.J. Lusk**, J.E. Duchamp*, C.M. Rizkalla*, and J.E. Moore*. 2006. The roles of landscape context, niche breadth, and range boundaries in predicting species responses to habitat alteration. *Diversity and Distributions*. 12:277-287. [Special feature on linking the concept of scale to studies of biological diversity]
97. *Xu, D., Z. Feng, L. Allen, and R.K. Swihart. 2006. A spatially structured metapopulation model with patch dynamics. *Journal of Theoretical Biology* 239:469-481.
96. **DeWoody, Y., Z. Feng, and R.K. Swihart. 2005. Merging spatial and temporal structure within a metapopulation model. *American Naturalist* 166:142-155.
95. Feng, Z., *L. Rong, and R.K. Swihart. 2005. Dynamics of an age-structured metapopulation model. *Natural Resource Modeling* 18:415-440.
94. *Goheen, J.R., and R.K. Swihart. 2005. Resource selection and predation of North American red squirrels in deciduous forest fragments. *Journal of Mammalogy* 86:22-28.
93. *Moore, J.E., and R.K. Swihart. 2005. Modeling site occupancy by forest rodents: incorporating detectability and spatial autocorrelation with hierarchically structured data. *Journal of Wildlife Management* 69:933-949. [Special feature on the value and utility of presence-absence data to wildlife monitoring and research.]
92. Feng, Z., R. Swihart, Y. Yi, and H. Zhu. 2004. Coexistence in a metapopulation model with explicit local dynamics. *Mathematical Biosciences and Engineering* 1:131-145.
91. *Gehring, T.M., and R.K. Swihart. 2004. Home range and movements of long-tailed weasels in a landscape dominated by agriculture. *Journal of Mammalogy* 85:77-86.
90. **Gu, W., and R.K. Swihart. 2004. Absent or undetected? Effects of sampling errors on wildlife-habitat models. *Biological Conservation* 116:195-203.
89. Miller, B.K., K. Schaaf*, R.K. Swihart, and C.L. Arnold, Jr. 2004. Historical and human dimensions of nature-based planning: is time on our side? Pages 215-239 in *Conserving biodiversity in agricultural landscapes: model-based planning tools* (R.K. Swihart and J.E. Moore, editors). Purdue University Press, West Lafayette, Indiana.
88. *Miller, M.S., and R.K. Swihart. 2004. Ecologically scaled recognition of patches within a GIS environment. Pages 103-120 in *Conserving biodiversity in agricultural landscapes: model-based planning tools* (R.K. Swihart and J.E. Moore, editors). Purdue University Press, West Lafayette, Indiana.
87. *Moore, J.E., D.M. Scheiman*, and R.K. Swihart. 2004. Field comparison of double-observer and removal modeling for estimating detectability and abundance of birds. *The Auk* 121:865-876.
86. Swihart, R.K., and J.E. Moore* (editors). 2004. *Conserving biodiversity in agricultural landscapes: model-based planning tools*. Purdue University Press, West Lafayette, Indiana.

85. Swihart, R.K., and N.A. Slade. 2004. Modeling interactions of private ownership and biological diversity: an architecture for landscapes with sharp edges. Pages 3-21 in *Conserving biodiversity in agricultural landscapes: model-based planning tools* (R.K. Swihart and J.E. Moore, editors). Purdue University Press, West Lafayette, Indiana.
84. Swihart, R.K., and J. Verboom. 2004. Assessing biodiversity consequences of land-use decisions: a role for ecologically scaled landscape indices. Pages 81-101 in *Conserving biodiversity in agricultural landscapes: model-based planning tools* (R.K. Swihart and J.E. Moore, editors). Purdue University Press, West Lafayette, Indiana.
83. **DeWoody, Y., R.K. Swihart, B.A. Craig, and J.R. Goheen*. 2003. Diversity and stability in communities structured by asymmetric resource allocation. *American Naturalist* 162:514-527.
82. *Gehring, T.M., and R.K. Swihart. 2003. Body size, niche breadth, and ecologically scaled responses to habitat fragmentation: mammalian predators in an agricultural landscape. *Biological Conservation* 109:283-295.
81. *Goheen, J.R., and R.K. Swihart. 2003. Food hoarding behavior of gray squirrels and North American red squirrels in the central hardwoods: implications for forest regeneration. *Canadian Journal of Zoology* 81:1636-1639.
80. *Goheen, J.R., R.K. Swihart, T.M. Gehring*, and M.S. Miller*. 2003. Forces structuring tree squirrel communities in landscapes fragmented by agriculture: species differences in perceptions of forest connectivity and carrying capacity. *Oikos* 102:95-103.
79. *Goheen, J.R., R.K. Swihart, and J. Robins. 2003. The anatomy of a range expansion: changes in cranial morphology and rates of energy extraction for North American red squirrels from different latitudes. *Oikos* 102:33-44.
78. **Gu, W., and R.K. Swihart. 2003. Are patch occupancy data sufficient for inferring metapopulation dynamics using spatially explicit patch occupancy models? *Acta Zoologica Sinica* 49:787-794.
77. *Knapp, S.M., R.E. Russell*, and R.K. Swihart. 2003. Setting priorities for conservation: the influence of uncertainty on species rankings of Indiana mammals. *Biological Conservation* 111:223-234.
76. *Russell, R.E., R.K. Swihart, and Z. Feng. 2003. Population consequences of movement decisions in a patchy landscape. *Oikos* 103:242-252.
75. Swihart, R.K., T.C. Atwood*, J.R. Goheen*, D.M. Scheiman*, K.E. Munroe*, and T.M. Gehring*. 2003. Predicting patch occupancy of North American mammals: Is patchiness in the eye of the beholder? *Journal of Biogeography* 30:1259-1279.
74. Swihart, R.K. T.M. Gehring*, M.B. Kolozsvary*, and T.E. Nupp*. 2003. Responses of "resistant" vertebrates to habitat loss and fragmentation: the importance of niche breadth and range boundaries. *Diversity and Distributions* 9:1-18.
73. Swihart, R.K., J.B. Dunning, Jr., and P.M. Waser. 2002. Gray matters in ecology: dynamics of pattern, process, and scientific progress. *Bulletin of the Ecological Society of America* 83:149-155.
72. *Nupp, T.E., and R.K. Swihart. 2001. Assessing competition between forest rodents in a fragmented landscape of midwestern USA. *Mammalian Biology* 66:345-356.
71. *Page, L.K., R.K. Swihart, and K.R. Kazacos. 2001. Changes in transmission of *Baylisascaris procyonis* to intermediate hosts as a function of spatial scale. *Oikos* 93:213-220.
70. *Page, L.K., R.K. Swihart, and K.R. Kazacos. 2001. Foraging among feces: food availability affects parasitism of *Peromyscus leucopus* by *Baylisascaris procyonis*. *Journal of Mammalogy* 82:993-1002.
69. *Page, L.K., R.K. Swihart, and K.R. Kazacos. 2001. Seed preference and foraging by granivores at raccoon latrines in the transmission dynamics of raccoon roundworm (*Baylisascaris procyonis*). *Canadian Journal of Zoology* 79:616-622.

68. Swihart, R.K., and J.P. Bryant. 2001. Importance of biogeography and ontogeny of woody plants in winter herbivory by mammals. *Journal of Mammalogy* 82:1-21.
67. Swihart, R.K., Z. Feng, N.A. Slade, D. Mason, and T.M. Gehring*. 2001. Effects of habitat destruction and resource supplementation in a predator-prey metapopulation model. *Journal of Theoretical Biology* 210:287-303.
66. *Gehring, T.M., and R.K. Swihart. 2000. Field immobilization and use of radio collars for long-tailed weasels. *Wildlife Society Bulletin* 28:579-585.
65. [¶]Ivan, J.S., and R.K. Swihart. 2000. Selection of mast by granivorous rodents of the central hardwood forest region. *Journal of Mammalogy* 81:549-562.
64. *Nupp, T.E., and R.K. Swihart. 2000. Landscape-level correlates of small mammal assemblages in forest fragments of farmland. *Journal of Mammalogy* 81:512-526.
63. *Kolozyvary, M.B., and R.K. Swihart. 1999. Habitat fragmentation and the distribution of amphibians: patch and landscape correlates in farmland. *Canadian Journal of Zoology* 77:1288-1299.
62. *Page, L.K., R.K. Swihart, and K.R. Kazacos. 1999. Implications of raccoon latrines in the epizootiology of baylisascariasis. *Journal of Wildlife Diseases* 35:474-480.
61. *Nupp, T.E., and R.K. Swihart. 1998. Effects of forest fragmentation on population attributes of white-footed mice and eastern chipmunks. *Journal of Mammalogy* 79:1234-1243.
60. *Page, L.K., R.K. Swihart, and K.R. Kazacos. 1998. Raccoon latrine structure and its potential role in parasite transmission to vertebrates. *American Midland Naturalist* 140:180-185.
59. Swihart, R.K., and T.E. Nupp*. 1998. Modeling population responses of North American tree squirrels to agriculturally induced forest fragmentation. Pages 1-19 in *Ecology and evolutionary biology of tree squirrels* (M.A. Steele, D.A. Zegers, and J.F. Merritt, eds.). *Virginia Museum of Natural History Special Publication Number 6*.
58. Swihart, R.K., and P.M. Picone. 1998. Selection of mature growth stages of coniferous browse in temperate forests by white-tailed deer (*Odocoileus virginianus*). *American Midland Naturalist* 139:269-274.
57. Swihart, R.K., H.P. Weeks, Jr., A.L. Easter-Pilcher**, and A.J. DeNicola*. 1998. Nutritional condition and fertility of white-tailed deer (*Odocoileus virginianus*) from areas with contrasting histories of hunting. *Canadian Journal of Zoology* 76:1932-1941.
56. *DeNicola, A.J., D.J. Kesler, and R.K. Swihart. 1997. Dose determination and efficacy of remotely delivered norgestomet implants on contraception of white-tailed deer. *Zoo Biology* 16:31-37.
55. *DeNicola, A.J., D.J. Kesler, and R.K. Swihart. 1997. Remotely delivered prostaglandin F_{2α} implants terminate pregnancy in white-tailed deer. *Wildlife Society Bulletin* 25:527-531.
54. *DeNicola, A.J., and R.K. Swihart. 1997. Capture-induced stress in white-tailed deer. *Wildlife Society Bulletin* 25:500-503.
53. Swihart, R.K., and A.J. DeNicola*. 1997. Public involvement, science, management, and the overabundance of deer: Can we avoid a hostage crisis? *Wildlife Society Bulletin* 25:382-387.
52. Swihart, R.K., M.J.I. Mattina, and J.P. Pignatello. 1997. Repellency of predator urine to woodchucks and meadow voles. Pages 271-284 in *Repellents in wildlife management*. (J.R. Mason, ed.). Colorado State University Press.
51. Swihart, R.K., and N.A. Slade. 1997. On testing for independence of animal movements. *Journal of Agricultural, Biological, and Environmental Statistics* 2:1-16.
50. [¶]Bertrand, M., A.J. DeNicola*, S.R. Beissinger, and R.K. Swihart. 1996. Effects of parturition on home ranges and social affiliations of female white-tailed deer. *Journal of Wildlife Management* 60:899-909.
49. *DeNicola, A.J., D.J. Kesler, and R.K. Swihart. 1996. Ballistics of a biobullet delivery system. *Wildlife Society Bulletin* 24:301-305.
48. *DeNicola, A.J., R.K. Swihart, and D.J. Kesler. 1996. The effect of remotely delivered gonadotropin formulations on reproductive function of white-tailed deer. *Drug Development and Industrial Pharmacy* 22:847-850.
47. *Nupp, T.E., and R.K. Swihart. 1996. Effect of forest patch area on population attributes of white-footed mice (*Peromyscus leucopus*) in fragmented landscapes. *Canadian Journal of Zoology* 74:467-472.

46. *Sheperd, B.F., and R.K. Swihart. 1995. Spatial dynamics of fox squirrels (*Sciurus niger*) in fragmented landscapes. *Canadian Journal of Zoology* 73:298-2105.
45. Swihart, R.K., and A.J. DeNicola*. 1995. Modeling the impacts of contraception on populations of white-tailed deer. Pages 151-163 in *Urban deer - a manageable resource?* (J. McAninch, ed.). North Central Section, The Wildlife Society.
44. Swihart, R.K., and P.M. Picone. 1995. Use of woodchuck burrows by small mammals in agricultural habitats. *American Midland Naturalist* 133:360-363.
43. Swihart, R.K., P.M. Picone, A J. DeNicola*, and L. Cornicelli. 1995. Ecology of urban and suburban white-tailed deer. Pages 35-44 in *Urban deer - a manageable resource?* (J. McAninch, ed.). North Central Section, The Wildlife Society.
42. Bryant, J.P., R.K. Swihart, P.B. Reichardt, and L. Newton⁵. 1994. Biogeography of woody plant chemical defense against hare browsing in North America: Alaska and eastern North America. *Oikos* 70:385-395.
41. Miller, B.K., B.C. Moser, K.D. Johnson, and R.K. Swihart. 1994. Designs for windbreaks and vegetative filter strips that increase wildlife habitat and provide income. *Environmentally Sound Agriculture Conference* 2:567-574.
40. Swihart, R.K., J.P. Bryant, and L. Newton⁵. 1994. Latitudinal patterns in consumption of woody plants by snowshoe hares in the eastern United States. *Oikos* 70:427-434.
39. Swihart, R.K., and P.M. Picone. 1994. Damage to apple trees associated with woodchuck burrows in orchards. *Journal of Wildlife Management* 58:357-360.
38. Swihart, R.K. 1992. Ecological considerations and the management of wildlife damage. *Proceedings of the Eastern Wildlife Damage Control Conference* 5 15-23.
37. Swihart, R.K. 1992. Home-range attributes and spatial structure of woodchuck populations. *Journal of Mammalogy* 73:604-618.
36. *DeNicola, A.J., R.K. Swihart, and S. Beissinger. 1991. Testing secondary metabolites of plants as deer repellents. *Transactions of the Northeast Section of The Wildlife Society* 48:120-125.
35. Magnarelli, L., and R.K. Swihart. 1991. Spotted-fever group rickettsiae or *Borrelia burgdorferi* in *Ixodes cookei* (Ixodidae) in Connecticut. *Journal of Clinical Microbiology* 29:1520-1522.
34. Mattina, M.J.I., J.J. Pignatello, and R.K. Swihart. 1991. Identification of the volatile components of bobcat (*Lynx rufus*) urine. *Journal of Chemical Ecology* 17:451-462.
33. Swihart, R.K. 1991. Influence of *Marmota monax* on vegetation in hayfields. *Journal of Mammalogy* 72:791-795.
32. Swihart, R.K. 1991. Modifying scent-marking behavior to reduce woodchuck damage to fruit trees. *Ecological Applications* 1:98-103.
31. Swihart, R.K., and M.R. Conover. 1991. Responses of woodchucks to potential garden crop repellents. *Journal of Wildlife Management* 55:177-181.
30. Swihart, R.K., and P.M. Picone. 1991. Arboreal foraging and palatability of tree leaves to woodchucks. *American Midland Naturalist* 125:372-374.
29. Swihart, R.K., and P.M. Picone. 1991. Effects of woodchuck activity on woody plants near burrows. *Journal of Mammalogy* 72:607-611.
28. Swihart, R.K., J.J. Pignatello, and M.J.I. Mattina. 1991. Aversive responses of white-tailed deer, *Odocoileus virginianus*, to predator urines. *Journal of Chemical Ecology* 17:767-777.
27. Spencer, S.R., G.N. Cameron, and R.K. Swihart. 1990. Operationally defining home range: temporal dependence exhibited by hispid cotton rats. *Ecology* 71:1817-1822.
26. Swihart, R.K. 1990. Common components of orchard ground cover selected as food by captive woodchucks. *Journal of Wildlife Management* 54:412-417.
25. Swihart, R.K. 1990. Quebracho, thiram, and methiocarb reduce consumption of apple twigs by meadow voles. *Wildlife Society Bulletin* 18:162-166.
24. Swihart, R.K., and M.R. Conover. 1990. Reducing deer damage to yews and apple trees: testing Big Game Repellent[®], Ro-pel[®], and soap as repellents. *Wildlife Society Bulletin* 18:156-162.
23. Swihart, R.K., and N.A. Slade. 1990. Long-term dynamics of an early successional small mammal community. *American Midland Naturalist* 123:372-382.

22. Johnson, S.G., and R.K. Swihart. 1989. The influence of predation risk on central place foraging variables in the American robin, *Turdus migratorius*. *Transactions of the Kansas Academy of Science* 92:155-158.
21. Swihart, R.K. 1989. Understanding behavior and ecology to reduce woodchuck damage. *Frontiers of Plant Science* 41(2):5-6.
20. Swihart, R.K., and N.A. Slade. 1989. Differences in home-range size between sexes of *Microtus ochrogaster*. *Journal of Mammalogy* 70:816-820.
19. Swihart, R.K., and M.R. Conover. 1988. Strategies for reducing wildlife damage in orchards. *Connecticut Agricultural Experiment Station Bulletin* 855:1-14.
18. Swihart, R.K., N.A. Slade, and B.J. Bergstrom. 1988. Relating body size to the rate of home-range use in mammals. *Ecology* 69:393-399.
17. Danielson, B.J., and R.K. Swihart. 1987. Home range dynamics and activity patterns of *Microtus ochrogaster* and *Synaptomys cooperi* in syntopy. *Journal of Mammalogy* 68:160-165. (author order determined by coin flip)
16. Swihart, R.K., and N.A. Slade. 1987. A test for independence of movements as shown by live trapping. *American Midland Naturalist* 117:204-207.
15. Swihart, R.K. 1986. Home range-body mass allometry in rabbits and hares (Leporidae). *Acta Theriologica* 31:139-148.
14. Swihart, R.K., and S.G. Johnson. 1986. Foraging decisions of American robins: somatic and reproductive tradeoffs. *Behavioral Ecology and Sociobiology* 19:275-282.
13. Swihart, R.K., and N.A. Slade. 1986. The importance of statistical power when testing for independence in animal movements. *Ecology* 67:255-258.
12. Swihart, R.K., and N.A. Slade. 1985. Influence of sampling interval on estimates of home range size. *Journal of Wildlife Management* 49:1019-1025.
11. Swihart, R.K., and N.A. Slade. 1985. Seasonal use of brush piles by the hispid cotton rat (*Sigmodon hispidus*). *Journal of Mammalogy* 66:577-580.
10. Swihart, R.K., and N.A. Slade. 1985. Testing for independence of observations in animal movements. *Ecology* 66:1176-1184.
9. Swihart, R.K. 1984. Body size, breeding season length, and life history tactics of lagomorphs. *Oikos* 43:282-290.
8. Swihart, R.K., and N.A. Slade. 1984. Road crossing by *Sigmodon hispidus* and *Microtus ochrogaster*. *Journal of Mammalogy* 65:357-360.
7. Swihart, R.K., and R.H. Yahner. 1984. Winter use of insular habitat patches by the eastern cottontail. *Acta Theriologica* 29:45-56.
6. Slade, N.A., and R.K. Swihart. 1983. Home range indexes for the hispid cotton rat (*Sigmodon hispidus*) in northeastern Kansas. *Journal of Mammalogy* 64:580-590.
5. Swihart, R.K., and R.H. Yahner. 1983. Browse preferences of jackrabbits and cottontails for species used in shelterbelt plantings. *Journal of Forestry* 81:92-94.
4. Swihart, R.K., and R.H. Yahner. 1983. Browse use by eastern cottontails in a southeastern Minnesota farmstead shelterbelt. *Journal of the Minnesota Academy of Science* 48:13-15.
3. Swihart, R.K. 1982. Scansorial behavior in woodchucks. *Canadian Field-Naturalist* 96:215-216.
2. Swihart, R.K., and R.H. Yahner. 1982. Eastern cottontail use of fragmented farmland habitat. *Acta Theriologica* 27:257-273.
1. Swihart, R.K., and R.H. Yahner. 1982. Habitat features influencing use of farmstead shelterbelts by the eastern cottontail (*Sylvilagus floridanus*). *American Midland Naturalist* 107:411-414.

Learning and Extension Publications/Products

15. Got Nature? 2023. Blog contributor (<https://www.purdue.edu/fnr/extension/question-what-can-i-do-to-stop-the-voles-from-eating-my-seedling-roots/>)
14. Gerber, C. K., Kladvikvo, E. J., Morrow, A. L., Johnson, K. D., Obermeyer, J. L., Swihart, R. K., ... Johannig, N. R. (2021). *Midwest Cover Crops Field Guide (Third Edition)* (ID-433, 3rd ed., p. 202).

<https://ag.purdue.edu/agry/dtc/Pages/CCFG.aspx>.

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13. Wagner, R.G., J.B. Dunning, L.D. Farlee, E.A. Jackson, M.A. Jenkins, B.J. MacGowan, C.F. Owings, G.R. Parker, M.R. Saunders, R.K. Swihart, H.P. Weeks, and P.A. Zollner. 2018. Addressing concerns about management of Indiana's Forests. FNR White Paper 2018-1-15.
12. MacGowan, B.J., C.F. Owings, and R.K. Swihart. 2017. Hardwood Ecosystem Experiment – wildlife responses to timber harvesting. Purdue University Cooperative Extension Service Publication FNR-543-WV (video), <https://heeforeststudy.org/videos/>
11. MacGowan, B.J., C.F. Owings, and R.K. Swihart. 2017. Hardwood Ecosystem Experiment – sustaining our oak-hickory forests. Purdue University Cooperative Extension Service Publication FNR-542-WV (video), <https://heeforeststudy.org/videos/>
10. **Kellner, K.F., *P.J. Ruhl, J.B. Dunning, Jr., and R.K. Swihart. 2017. Managing forests for birds in Indiana. *Indiana Woodland Steward* 25(3):7-8. Available online at: <http://www.inwoodlands.org/managing-forests-for-birds/>
9. *Crystal, P., B.C. Pijanowski, R. Gazo, and R.K. Swihart. 2013. Fundamentals of successful mentoring in natural resources. *Compass* magazine, spring issue, pages 24-29.
8. Dunning, J. B., Jr., A. DeWoody, B. Pijanowski, M. Sepulveda, R. K. Swihart, H. Weeks, R. Williams, and P. Zollner. 2010. Improving wildlife education: Fourteen years of change at Purdue University. *The Wildlife Professional* 4(2) online. http://joomla.wildlife.org/index.php?option=com_content&task=view&id=690&Itemid=175
7. Swihart, R. K. (editor). 2001. *Journal of Vertebrate Population Dynamics*. Volume 4. 75pp.
6. Swihart, R. K., and M. S. Miller. 2001. A primer of vertebrate population dynamics, 2nd edition. Purdue University Printing Services, 264pp.
5. Swihart, R. K. (editor). 2000. *Journal of Vertebrate Population Dynamics*. Volume 3. 61pp.
4. Swihart, R. K. (editor). 1999. *Journal of Vertebrate Population Dynamics*. Volume 2. 81pp
3. Swihart, R. K., and T. M. Gehring**. 1999. A primer of vertebrate population dynamics, 1st edition. Purdue University Printing Services, 257pp.
2. Swihart, R. K. 1998. Forest wildlife in farmland: responses to fragmentation. *Indiana Woodland Steward* 8.
1. Swihart, R. K. (editor). 1998. *Journal of Vertebrate Population Dynamics*. Volume 1. 72pp.

Courses Taught

Twelve courses including seven required courses, from offerings for incoming freshmen to senior capstones. Courses, total enrollment, and years offered for these courses follows (* = required):

Course	Title	Students	Years
AGRY 119*	Introduction to Forestry and Natural Resources	535	2007-2015
FNR 198	The Nature of Wild Things Learning Community	138	2013-2016
FNR 241*	Ecology and Systematics of Mammals	784	1997-2006
FNR 330/373*	Natural Resources Practicum	324	1997-3003
FNR 340*	Wildlife Ecology	550	1991-1997
FNR 342*	Mammalogy	240	1991-1996
FNR 384*	Statistics for Natural Resources	252	2017-present
FNR 498	Intro to Research and Independent Research	60	1991-present
FNR 547*	Vertebrate Population Dynamics, capstone	403	1992-2003
FNR 598	Adv Mammalogy, Wildlife & Ag, Statistical Ecology	48	2001-present
FNR 647	Quantitative Methods for Ecologists	268	2000-present
FNR 693	Conservation Biology	9	1993

Extracurricular Mentoring and Educational Activities

- 2018-2019 Presentations and field tours to educate state legislators regarding the Hardwood Ecosystem Experiment and forest management effects on wildlife
- 2018 Field tour presentation about woodland management for wildlife, for Indiana Department of Natural Resources Division of Fish and Wildlife
- 2013-2016 Co-developer and instructor of The Nature of Wild Things learning community, which Purdue recognized as the outstanding learning community in 2014-2017. The learning community was designed for new students to help them become familiar with and comfortable around faculty/staff while creating friendships and bonds that previously had formed only after the sophomore year at summer camp. Extracurricular activities included:
- Dining at residence halls to engage and get to know students
 - Natural-resources-themed movie nights and discussions
 - Field trips
- 2004-2016 Advisor for Purdue FNR Student Council, which supported/organized:
- Annual Ginkgo Gathering to reunite and introduce new students, faculty, and staff
 - Annual Halloween mixers
 - Renovation of the Student Commons in Pfendler Hall
 - Travel to/Hosting of conclaves for student chapters of The Wildlife Society and Society of American Foresters
 - Student participation in state and national meetings of professional societies including
 - The Wildlife Society
 - Society of American Foresters
 - American Fisheries Society
 - International Society of Arboriculture
 - Indiana Arborist Association

- 2004-2016 Sponsored FNR Career Fair connecting students with alumni and other prospective employers
- 1992-1999 Faculty Fellows program – to facilitate informal interaction between faculty and students living in University Residence Halls outside of the classroom. Swihart family “adopted” a floor on a wing of an assigned dorm and strove to provide students with normalcy, security, and escape from the stressors of student life. Activities included dining weekly with students at their dorms, hosting them at home for game nights, cookouts, and pumpkin carving, supporting them at intramural sporting events, and participating in friendly pickup games of basketball, softball, and badminton.
- Wiley Hall (1995 Faculty Fellow of the Year)
 - Tarkington Hall
 - Earhart Hall (1999 Faculty Fellow of the Year)
- 1999 Invited speaker, Northern Indiana Citizens Helping Ecosystems Survive (NICHES)
- 1998 Invited speaker, Sycamore Audubon Society
- 1996 Purdue Council for Agricultural Research, Extension and Teaching conference
Earth Day presentation, Seeger High School
- 1995 Elderhostel Educational Series
- 1993 Elderhostel Educational Series
Camp Tecumseh Earthship Journey nature and discovery class
- Various Conservation lectures to numerous high schools and junior high schools

Grants and Awards (only grants ≥\$50,000 are shown)

- 2020-24 Indiana Division of Fish and Wildlife, “An integrated economic assessment of outdoor activities related to deer and furbearers in Indiana”, \$496,970 (co-PI; PIs: C. Reeling, M. Zhou)
- 2020-22 Indiana Division of Fish and Wildlife, “Modification to Integrated deer management in Indiana: An adaptive research framework”, \$470,998 (co-PI: J.A. DeWoody)
- 2020 Indiana Division of Fish and Wildlife, “Amendment to Assessing aspects of bobcat spatial and population ecology in Indiana”, \$36,761 (co-PI with P.A. Zollner)
- 2018-20 Indiana Division of Forestry, “Hardwood ecosystem experiment”, \$629,790 (co-PI with M.R. Saunders)
- 2018-19 Indiana Division of Fish and Wildlife, “Assessing aspects of bobcat spatial and population ecology in Indiana”, \$83,875 (co-PI with P.A. Zollner)
- 2018-22 Indiana Division of Fish and Wildlife, “Integrated deer management in Indiana: An adaptive research framework”, \$1,269,380 (co-PIs: J. Brooke, J.A. DeWoody, B. Dillman, E.A. Flaherty, E. Jackson, M. Jenkins, Z. Ma)
- 2017-22 USDA Natural Resources Conservation Service, “Vole damage to cover-cropped soybeans and Midwest Cover Crops Council (MCCC)”, \$100,000 (co-PI: Eileen Kladviko)
- 2016-18 Indiana Division of Forestry, “Hardwood ecosystem experiment”, \$613,000 (co-PI with M.R. Saunders)
- 2014-16 Indiana Division of Forestry, “Hardwood ecosystem experiment”, \$580,880 (co-PI with M.R. Saunders)

- 2012-14 Indiana Division of Fish and Wildlife, "Managing genetic isolation due to habitat fragmentation: A model-based tool for using assisted migration as an aid to recovery of Allegheny woodrats", \$121,264 (co-PI with T. Smyser)
- 2012-14 Indiana Division of Forestry, "Hardwood ecosystem experiment", \$516,000 (co-PI with M.R. Saunders)
- 2011-13 Indiana Division of Fish and Wildlife, "Role of wild mammals, especially woodrats, and birds in seed survival: implications for oak regeneration and chestnut restoration", \$161,593
- 2010-12 Indiana Division of Fish and Wildlife, "Allegheny woodrat captive propagation project", \$218,760 (co-PI with T. Smyser)
- 2010-12 Indiana Division of Forestry, "Hardwood ecosystem experiment", \$516,000 (co-PI with M.R. Saunders)
- 2009 Indiana Division of Forestry, "Timber stand improvement and deer exclosure study", \$60,000 (co-PI with M.R. Saunders)
- 2007-10 National Science Foundation, "Effects of landscape structure on animal-mediated acorn dispersal and seedling recruitment in the Central Hardwoods", \$473,000 (co-PI with N.I. Lichti, M. Steele)
- 2006-10 Indiana Division of Forestry, "Hardwood ecosystem experiment", \$714,000
- 2004-06 U.S. Environmental Protection Agency, "Ecological impacts of remediation at the Grand Calumet River: a preliminary assessment of reproductive success in Great Blue Herons", \$96,959 (co-PI with M. Sepúlveda)
- 2003-06 James S. McDonnell Foundation 21st Century Initiative, "An integrated, hierarchical framework for modeling biocomplexity", \$449,508 (co-PI with Z. Feng, Y. DeWoody)
- 2003-06 U.S. Department of Education Graduate Assistance in Areas of National Needs Program, "Fellowship program in multidisciplinary ecology", \$625,254
- 2002-06 Indiana Department of Natural Resources, "Assessment of crop depredation habitat use by wild turkey, white-tailed deer, and raccoon in the upper Wabash River basin", \$269,470 (co-PI with O.E. Rhodes, Jr., B. MacGowan)
- 2002-05 Indiana Chapter, National Wild Turkey Federation, "Assessment of crop depredation and habitat use by wild turkey, deer, and raccoon in the upper Wabash River basin", \$66,000 (co-PI with O.E. Rhodes, Jr., B. MacGowan)
- 2003-05 National Wild Turkey Federation, "Assessment of crop depredation and habitat use by wild turkey, deer, and raccoon in the upper Wabash River basin", \$95,200 (co-PI with O.E. Rhodes, Jr., B. MacGowan)
- 2001-02 NSF Biocomplexity Program, "Predicting the dynamics of human-dominated landscapes: metapopulation models for ecosystems with sharp edges", \$50,006
- 2000-04 USDA IFAFS, "Sustaining natural resources on private lands in the Central Hardwood Region", \$4,140,215 (Consortium with University of Missouri and University of Tennessee; PI for Purdue, amount to Purdue = \$1,244,740)
- 2000-03 John S. Wright Fund, Purdue University, "Effects of land-use decisions on natural resources in the Upper Wabash", \$1,206,220
- 1997-00 USDA Higher Education Challenge Grant Program, "A blueprint for educating tomorrow's leaders in natural resources", \$80,000 (co-PI with O. E. Rhodes, Jr., S. K. Abell, W. H. Hoover)
- 1996-98 USDA NRICGP, "Transmission ecology of *Baylisascaris procyonis* in vertebrate communities", \$157,104
- 1995-99 Sporting Goods Properties, "Testing adjuvants and the effects of long-term contraception on an enclosed white-tailed deer herd", \$248,888

- 1995-97 Martin Foundation, "Impact of white-tailed deer on forest ecosystems: a landscape perspective", \$50,000 (co-PI with G. R. Parker, A. Easter-Pilcher, H. P. Weeks, Jr.)
- 1994-96 McIntire-Stennis Cooperative Forestry Research Funds, CSRS, "Interactions of deer, vegetation, and landscapes surrounding forest preserves", \$50,000 (co-PI with G. R. Parker, H. P. Weeks, Jr., J. T. O'Leary, P. Coppin)
- 1993-96 USDA NRICGP, "Effects of forest fragmentation on mammals in agricultural landscape", \$120,000
- 1993-96 Northern Indiana Public Service Company, "Testing chemical contraceptives on an enclosed deer herd", \$51,491
- 1992-94 Remington Arms Company, "Chemical contraception of female white-tailed deer", \$70,175

Administrative Duties

2004-2016 Head, Department of Forestry and Natural Resources

Reported to the Dean of the College of Agriculture and was responsible for leadership and oversight of 30 faculty, 40 administrative and professional staff, 5 clerical staff, 255 undergraduate students, and 85 graduate students. Additional responsibilities included garnering financial and physical resources to support departmental programs, managing a \$10.5 million budget, and serving as an advocate and departmental representative within Purdue and with clientele outside of Purdue.

2005 Codirector, Initiative for a Discovery Park Center for the Environment

The codirectors (with Bernie Engel) were responsible for assembling and leading a team for purposes of submitting a proposal in response to a \$10 million dollar competition for establishment of new centers in Purdue's Discovery Park.

2000-2005 Project manager, Upper Wabash Ecosystem Project (UWEP)

Responsible for directing a \$5.35 million research initiative focusing on the upper Wabash River basin, with oversight responsibilities for 8 faculty in 3 departments at Purdue University, 12 graduate students, 3 postdoctoral associates, 4 technicians, and nearly 40 undergraduate workers. Participants characterized natural resources and human attitudes on land use and natural resources. Sampling and analysis were coordinated with partners in a regional consortium project including University of Missouri and University of Tennessee to assist owners of nonindustrial private forest and other wildlands in initiating management practices that satisfy personal goals, are acceptable to society and are consistent with sustainable resource management. Computer-based decision support systems were developed at multiple spatial scales as information aids for landowners and other stakeholders.

2001-2002 Manager, National Science Foundation Biocomplexity Project

Principal Investigator on NSF-funded grant to integrate modeling efforts among ecologists, mathematicians, statisticians, economists, and social scientists, thereby providing a framework for model-based planning aimed at conserving biodiversity. Twenty investigators from the United States and Europe were involved in the collaboration and resulting monograph (Swihart, R. K. and J. E. Moore. 2004. Conserving biodiversity in agricultural landscapes: model-based planning tools. Purdue University Press, 336 pages).

Professional and Leadership Development

- Purdue Safe Zone ally training (2014)
- LEAD21 Mentor (2013-14)
- Natural Resources Leadership Development Institute (2004)
- Workshop on multicultural diversity in the workplace, Indianapolis, Indiana (2002)

- North Central Area 23 Retreat for administrative leaders of fish and wildlife programs, Kemp Station, Wisconsin (2004)
- Natural Resources Leadership Development Institute, Turkey Run and Spring Mill State Parks, Indiana (2004)
- Workshop on gender diversity in the workplace, Brookston, Indiana (2005)

Service to Profession

- Expert advice provided to Forest Research, Great Britain's principal organization for forestry and tree-related research, on methods for management of tree damage by squirrels and deer (2023)
- Expert reviewer for Indiana Division of Forestry (2020)
- Expert testimony, Indiana Legislature (forest management and forest wildlife; 2019)
- Chair, Cameron Awards Committee, American Society of Mammalogists (2019-present)
- Member, Grants-in-Aid Committee, American Society of Mammalogists (2018-present)
- Member of the Small Mammal Technical Working Group for the National Ecological Observatory Network (NEON) charged with assisting in the design of standardized sampling for small mammal abundance and diversity at 60 sites in the U.S. over the next 30+ years (2013-2017)
- Board Member, Akaka Foundation (2014-2016)
- Reviewer, Science, Education and Outreach Roadmap for Natural Resources, Association of Public and Land-grant Universities, Board of Natural Resources (2013)
- National Association of University Fisheries and Wildlife Programs (NAUFWP) Executive Committee, Research Chair (2012-2017)
- NAUFWP representative (2009-2017)
- National Association of University Forest Resources Programs (NAUFRP) Executive Committee, At-Large Representative (2010-2016)
- NAUFRP North Central Regional Chair (2009-10)
- NAUFRP Executive Committee, North Central Representative (2009-10)
- Editorial Board for *BMC Ecology* (2005-present)
- Indiana Forest Stewardship Committee (2004-2016)
- Indiana Department of Agriculture Hardwoods Task Force (2005-2008)
- van Eck Forest Foundation for Purdue University Board of Trustees (2004-2016)
- National Cooperators' Coalition Executive Committee (2004-10)
- Guest Editor, *Diversity and Distributions* Special Feature on Scale and Biodiversity (2005-06)
- White Buffalo, Incorporated, Board of Trustees (2003-present)
- Charter Member, Purdue Interdisciplinary Center for Ecological Sustainability (2003-2010)
- Member, Indiana Department of Natural Resources Technical Advisory Committee – Mammals (1998-present)
- Member, Education and Graduate Students Committee, American Society of Mammalogists (1992-2009)
- Member, Student Honoraria Committee, American Society of Mammalogists (1992-2004)
- Organizer, Breakfast with a Scientist Program, American Society of Mammalogists (2002-2004)
- Member, Student Mentoring Program, American Society of Mammalogists (1997-2009)
- Associate editor, *Wildlife Society Bulletin* (1990-93), edit and determine acceptability of 30-40 papers/year
- Member, Research Award Committee, Berryman Institute of Wildlife Damage Management (1994-2000)
- Expert testimony, U.S. District Court Northern District of Indiana (deer; 1996)
- Member, Public Education Committee, American Society of Mammalogists (1992-95)
- Moderator, Technical Paper Sessions, American Society of Mammalogists Annual Meeting (4 years)
- Moderator, Wildlife Management and Science Session, 9th Central Hardwood Forest Conference (1993)

- Member, Plenary Session Subcommittee, Midwest Fish and Wildlife Conference (1993-94)
- Speaker, Field Workshop on Agro-forestry, Society of American Foresters (1993)
- Chair, Technical Session on Mammalian Ecology, Midwest Fish and Wildlife Conference (1994)

Academic or Administrative Program Review for:

University of Maine
Iowa State University (chair)
University of Tennessee (twice)
Texas A&M University

External Reviewer for dozens of Promotion and Tenure documents from 23 universities:

Brigham Young University
Butler University
Indiana University
Iowa State University
Michigan State University
Michigan Tech University
Mississippi State University (multiple)
North Carolina State University (multiple)
Ohio State University
Southern Illinois University
State University of New York College of Environmental Science and Forestry (SUNY-ESF)
Texas A&M University (multiple)
University of British Columbia
University of California-Davis (multiple)
University of Connecticut
University of Florida (multiple)
University of Georgia (multiple)
University of Hawai'i
University of Kentucky
University of Missouri – Columbia
University of Missouri – Kansas City
University of New Hampshire
University of Wisconsin-Madison

Reviewer for 43 Journals, 7 Proceedings, 13 Funding Agencies, 3 Publishers:

Journals (43):

Acta Theriologica
American Midland Naturalist
American Naturalist
Animal Behaviour
Behaviour
BMC Ecology
Biodiversity and Conservation
Canadian Journal of Forest Research
Conservation Biology
Diversity and Distributions
Ecography
Ecology
Ecology and Evolution
Ecological Applications
Ecological Indicators
Environmental Conservation

Environmental Management
Forest Ecology and Management
Human-Wildlife Interactions
Hystrix – the Italian Journal of Mammalogy
Institute for Laboratory Animal Research Journal
Journal of Animal Ecology
Journal of Applied Ecology
Journal of Chemical Ecology
Journal of Ecology
Journal of Mammalogy
Journal of Wildlife Management
Journal of Wildlife Rehabilitation
Journal of Zoology
Mammalia
Mammalian Biology
Natural Resource Modeling
Natural Sciences Education
Northern Journal of Applied Forestry
Oikos
PLoS ONE
Polish Ecological Studies
Prairie Naturalist
Science
Southwestern Naturalist
Urban Forestry and Urban Greening
Western North American Naturalist
Wildlife Society Bulletin

Proceedings (7):

Indiana Academy of Science
First International Wildlife Management Congress
Fourth International Conference: Rodens and Spatium
Fifth International Theriological Congress
Symposium, Repellents in Wildlife Management
Ninth Central Hardwood Forest Conference
Southeast Association of Fish and Wildlife Agencies

Funding Agencies (13):

ALW Open Programme [Organization for Scientific Research], Netherlands
Estonian Science Foundation
Israel Science Foundation
Manomet Center for Conservation Sciences
National Fish and Wildlife Foundation
National Geographic Society
National Science Foundation
U.S.D.A. AFRI/NIFA/NRI
U.S.D.A. McIntyre-Stennis
U.S. Fish and Wildlife Service
U.S. Civilian Research and Development Foundation for the Independent States of the Former Soviet Union
Vancouver Island Marmot Recovery Program
New Mexico Idea Network of Biomedical Research Excellence Developmental Research Project Program

Publishers (3):

Ann Arbor Press
CRC Press
Prentice-Hall

Service to Purdue University

University and College

- Co-liaison (with Tomas Höök) to coordinate, with USGS, IDNR, FWS, and WMI, establishment of the Indiana Cooperative Fish and Wildlife Research Unit at Purdue University (2023)
- College representative at Provost's Interactive Conversation about Promotion and Tenure (2016)
- Invited speaker, College of Agriculture Academic Council retreat (2016)
- Chair, Administrative Review Committee for Senior Associate Dean for Research and Faculty Affairs (2015)
- Provost's Research Faculty Policy Working Group (2014)
- Chair, Administrative Review Committee, Senior Associate Dean of Research (2015)
- Chair, Department Head Search Committee, Horticulture and Landscape Architecture (2013-2014)
- Member, ADVANCE-Purdue Advocates and Allies (2013-present)
- College of Agriculture Front Doors Advisory Committee (2009-11)
- College of Agriculture Strategic Plan Steering Committee (2008-09)
- Technical Representative for Purdue University, Great Lakes-Northern Forest Cooperative Ecosystem Studies Unit (2007-2016)
- HTIRC Advisory Committee Chair (2007-2016)
- Strategic Governance Committee, College of Ag (2010-2012)
- Steering Committee, College Strategic Plan (2008-2009)
- Mission-Oriented grants panel (2007-2012)
- Internal Advisory Council, Discovery Park Center for the Environment (2006-2011)
- Illinois-Indiana SeaGrant College Advisory Committee (2005-2016)
- Senior Chair, College of Agriculture United Way Campaign (2006)
- Junior Chair, College of Agriculture United Way Campaign (2005)
- Agricultural Research Award Selection Committee (2005-2006)
- Graduate Curriculum Committee, Area Representative (2002-2004)
- Graduate Council in Agriculture (2002-2004)
- Purdue Animal Care and Use Committee (1999-2002)
- Area Promotions Committee (1999-2002, 2004-2016)
- Dean's Roadmapping Committee, School of Agriculture (2001)
- Interdisciplinary Roadmapping Committee, School of Agriculture (co-chair; 2001)
- Library Committee, School of Agriculture (1991-1992)
- Grantsmanship Committee, School of Agriculture (1994-1995)
- Ad hoc Steering Committee for Interdisciplinary Research, FNR (1999-2000)
- Faculty liaison to University Committee for the Education of Teaching Assistants (1994-95, 1997)
- Junior Chair, College of Agriculture, United Way Campaign (2005)
- Senior Chair, College of Agriculture, United Way Campaign (2006)

Department of Forestry and Natural Resources

- Awards Committee (2019-2023)

- Budget and Steering Committee (1992-2016, chair 2004-2016)
- Bylaws, Policy & Procedures Committee (2023-2024)
- Computer Committee (1992-93)
- Equipment Committee (1993-2001 and 2016-2018; chair 1996-99)
- Graduate Committee (1992-2004 and 2016-2023; chair 1999-2004)
- Primary Promotions Committee (1998-2024, chair 2004-2016)
- Ad hoc Animal Care Facility Committee (1991-94)
- Visiting Scientist Committee (1994-98)
- Website Committee (2000-2001)
- Wildlife Ecologist Search Committee (1992-94)
- Wetlands Ecologist Search Committee (chair; 1994-95)
- Fisheries Biologist Search Committee (1997)
- Faculty Project Manager, Upper Wabash Ecosystem Project (2000-2004)
- Human Dimensions Search Committee (2000-01)
- Natural Resource Planner Search Committee (2003)
- Distinguished Alumni Committee (1995)
- Committee on Procedures for Faculty Evaluation (1995)
- Administrator of Office of Student Services Search Committee (1995)
- Spring Awards Banquet Committee (1996)
- Speaker Committee for FNR 679 (1997-98)