

CIRRICULUM VITAE

STEVEN J. PRICE

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EDUCATION

2011 Doctorate of Philosophy. Biology, Wake Forest University

2003 Master of Science. Environmental Science and Policy, University of Wisconsin-Green Bay

2000 Bachelor of Science. Environmental Science and Biology (Double Major), University of Wisconsin-Green Bay

ACADEMIC APPOINTMENTS

July 2017-present: Director of Graduate Studies (Forest and Natural Resource Sciences), Department of Forestry and Natural Resources, University of Kentucky

July 2022-present: Full Professor of Stream and Riparian Ecology, Department of Forestry and Natural Resources, University of Kentucky

- DOE FY 2022: 41.5% research, 43.5% teaching, 5% service, 10% admin

July 2017-present: Associate Professor of Stream and Riparian Ecology, Department of Forestry and Natural Resources, University of Kentucky

- DOE FY 2021: 52.5% research, 32.5% teaching, 5% service, 10% admin
- DOE FY 2020: 46.7% research, 38.3% teaching, 5% service, 10% admin
- DOE FY 2019: 41.45% research, 48.55% teaching, 10% admin
- DOE FY 2018: 35.95% research, 54.05% teaching, 10% admin

July 2012-June 2017: Assistant Professor of Stream and Riparian Ecology, Department of Forestry and Natural Resources, University of Kentucky

- DOE FY 2017: 68.0% research, 32.0% teaching
- DOE FY 2016: 57.7% research, 42.3% teaching
- DOE FY 2015: 58.7% research, 41.3% teaching
- DOE FY 2014: 59.2% research, 40.8% teaching
- DOE FY 2013: 83% research, 17% teaching

June 2011-June 2012: Post-Doctoral Research Fellow, Davidson College, Department of Biology, Davidson NC

RESEARCH**Recently Funded Extramural Research**

Springer, M., J. Cox and **S.J. Price**. 2022-2023. Applying Landscape Genomics to Infer CWD Transmission Corridors and Inform Management Activities in Western Kentucky and Tennessee. Kentucky Department of Fish and Wildlife Resources. **\$196,106**.

Price, S.J. and W.R. Haag. 2023. Where have all the mussels gone? A Multi-scale approach to address the widespread decline of freshwater mussels. American Rivers and The BAND foundation. **\$67,262**

Price, S.J. and W.R. Haag. 2021-2022. Where have all the mussels gone? A Multi-scale approach to address the widespread decline of freshwater mussels. American Rivers and The BAND foundation. **\$71,031**

Price, S.J., J. Larkin, J. Cox, T. Fearer and C. Barton. 2021-2023. Evaluating the use of reclaimed forests by threatened, endangered and species of concern on Appalachian coal mines. Office of Surface Mining and Reclamation. **\$199,397**

Price, S.J. 2019-2022. Assessment of Eastern Hellbender populations in Kentucky: Distribution and recruitment. Kentucky Department of Fish and Wildlife Resources. **\$91,000**

Price, S.J. and W.R. Haag. 2019-2022. Assessing the role of invasive Asian Clams (*Corbicula fluminea*) in native mussel declines. Memorandum of Understanding among University of Kentucky Research Foundation, Kentucky Waterways Alliance and US Fish and Wildlife Service. **\$53,135**.

Price, S.J. and W.R. Haag. 2018-2023. Implementation of a monitoring tool for assessing stream health. US Forest Service. **\$6849**

Crowley, P., **S.J. Price**, K. Zeidler, L. Higgins-Hord. 2017. A remote-video artificial stream system for the Ecological Research and Education Center. National Science Foundation. **\$414,649**

Price, S.J., A. Drayer, and J. MacGregor. 2017-2018. Occupancy and abundance of the streamside salamander (*Ambystoma barbouri*) in relation to land-use, water chemistry and high-flow events in central Kentucky streams. US Fish and Wildlife Service (Section 6 funding through the Endangered Species Act). **\$31,000**

Price, S.J. and W.R. Haag. 2016-2021. Using juvenile freshwater mussels as bioindicators in the Rockcastle drainage (Kentucky). Joint Venture with US Forest Service. **\$50,000**

Andrews, R., D.N. Taulbee, E.W. Woolery, L. E. Ormsbee, S.K. Hampson, Z. Wang, J. Zhu, G. Rohrbacher, A. Filson and **S.J. Price**. 2016-2023. Kentucky Research Consortium for Energy and Environment (KRCEE). Department of Energy. **\$2,500,000**

PUBLICATIONS * undergraduate student, ‡ graduate student, § corresponding author
Recent Books/Book Chapters

Richter, S.C., **S.J. Price**, and J.M. MacGregor. *In preparation*. The Reptiles and Amphibians of Kentucky. University Press of Kentucky.

Price, S.J., J.C. Guzy, A.M. Durso, R. Kerney, and S.A. Tomke. *In review*. Aging and Sexing Amphibians and Reptiles. L. Powell and J. Carroll, (eds.), The Wildlife Techniques Manual. Johns Hopkins University Press.

Price, S.J. 2022. Mink Frog, *Lithobates septentrionalis*. J. Kapfer, E.R. Wild and D. Brown, (eds.), Amphibians and Reptiles of Wisconsin. University of Wisconsin Press.

Select Papers in Peer-reviewed Journals If available, Thomson Reuters © Impact Factor follows each reference.

Hutton, J. ‡§, S.M. Richter, and S.J. Price. 2023. Inter- and intra-specific dietary overlap in predacious bi-phasic salamanders. *Hydrobiologia* <https://doi.org/10.1007/s10750-023-05161-2> (2.822)

Greene, K. ‡§, J. Van Cleve, and **S.J. Price**. 2023. Salamander movement propensity resist effects of suprasedasonal drought. *Ichthyology and Herpetology* 111:109-118. (1.857)

Ladner, J.T., J.M. Palmer, C.L. Ettinger, J.E. Stajich, T.M. Farrell, B.M. Glorioso, B. Lawson, **S.J. Price**, A.G. Stengle, D.A. Grear, and J.M. Lorch. 2022. The population genetics of the causative agent of snake fungal disease indicate recent introductions to the USA. *PLOS Biology* 20:e3001676. (9.593)

White, D.E.J. ‡, W.R. Haag§, M.A. McGregor, and **S.J. Price**. 2022. Effects of food abundance on juvenile freshwater mussel survival and growth in aquaculture, and comparison with growth in streams. *Aquaculture* 560: 738473. (5.135)

Gadd, S.J.* ‡, J.M. Hutton‡ and **S.J. Price**§. 2021. Diet of the southern ravine salamander *Plethodon richmondi*. *Herpetological Bulletin*. 158:11-15. (0.468).

Lambert, M. ‡, A.N. Drayer§, W. Leuenberger, **S.J. Price**, and C. D. Barton. 2021. Evaluation of created wetlands as amphibian habitat on a reforested surface mine. *Ecological Engineering* DOI:10.1016/j.ecoleng.2021.106386 (3.512)

Hutton, J.M. ‡§, **S.J. Price**, S.C. Richter, and C.D. Barton. 2021. Diet composition: a proximate mechanism explaining stream salamander declines in surface waters with elevated specific conductivity. *Global Ecology and Conservation* 29:e01719 (3.00)

- Lorch, J.M. §, **S.J. Price**, J.S. Lankton, and A.N. Drayer. 2021. Confirmed cases of snake fungal disease in museum specimens from the USA as early as 1945. *Emerging Infectious Diseases* 27:1986-1989 (6.259)
- Davis, A.G. ‡ §, W. Leuenberger, A.N. Drayer, **S.J. Price**. 2021. Activity, movements, and microenvironment associations of *Siren intermedia* (Lesser Siren) in a western Kentucky wetland complex. *Northeastern Naturalist* 28:114-126. (0.538)
- Haag, W. §, J. Culp, A.N. Drayer, M. McGregor, D. White ‡ and **S.J. Price**. 2021. Abundance of an invasive bivalve, *Corbicula fluminea*, is negatively related to growth of freshwater mussels in the wild. *Freshwater Biology* 66: 447-457. (3.835)
- McKenzie, J. M. ‡, **S.J. Price** §, G. M. Connette, S.J. Bonner and J.M. Lorch. 2021. Effects of snake fungal disease on short-term survival, behavior, and movement in free ranging snakes. *Ecological Applications* 31:e02251 (4.378)
- Drayer, A.N. §, J.C. Guzy, and **S.J. Price** §. 2020. Factors influencing the occupancy and abundance of *Ambystoma barbouri* (Streamside Salamander) in Kentucky streams. *Journal of Herpetology* 54:299-305 (0.77)
- Contreras, M. §, W. Staats ‡, and **S.J. Price**. 2020. Predicting and mapping Plethodontid salamander abundance using LiDAR-derived terrain and vegetation characteristics. *Forest Systems* 29:e005 (1.138)
- Drayer, A.N. §, J.C. Guzy, R. Caro, and **S.J. Price** §. 2020. Created ephemeral wetlands as habitat for amphibian populations in western Kentucky, USA. *Wetlands Ecology and Management* 28:543-558 (2.062)
- Hutton, J.M. ‡, **S.J. Price** §, S.J. Bonner, S.C. Richter and C.D. Barton. 2020. Occupancy and abundance of stream salamanders along a specific conductance gradient. *Freshwater Science* 39:433- 446 (2.344)
- Leuenberger, W. §, A.G. Davis, J.M. McKenzie ‡, A.N. Drayer and **S. J. Price** §. 2019. Evaluating snake density using Passive Integrated Transponder (PIT) telemetry and spatial capture-recapture analyses for linear habitats. *Journal of Herpetology*. 53:272-281. (0.77)
- McKenzie, J.M. ‡, **S.J. Price** §, J.L. Fleckenstein*, A. N. Drayer, G.M. Connette, E. Bohuski and J.M. Lorch. 2019. Field diagnostics and seasonality of *Ophidiomyces ophiodiicola* in wild snake populations. *EcoHealth*. 16:141-150. DOI: 10.1007/s10393-018-1384-8 (2.225)
- Agha, M. ‡ §, B.D. Todd, B. Augustine, J. M. Lhotka, L. J. Fleckenstein*, M. Lewis*, C. Patterson ‡, J.W. Stringer and **S.J. Price**. 2018. Effects of gap-based silviculture on thermal biology of a terrestrial reptile. *Wildlife Research*. 45:72-81. DOI:10.1071/WR17110 (1.244)

Miller, D. [§], E. Grant, E. Muths, S. Amburgey, M. Adams, M. Joseph, J. H. Waddle, P. Johnson, M. Ryan, B. Schmidt, D. Calhoun, C. Davis, R. Fisher, D. Green, B. Hossack, T. Rittenhouse, S. Walls, L. Bailey, S. Cruickshank, G. Fellers, T. Gorman, C. Haas, W. Hughson, D. Pilliod, **S.J. Price**, A. Ray, W. Sadinski, D. Saenz, W. Barichivich, A. Brand, C. Brehme, R. Dagit, K. Delaney, B. Glorioso, L. Kats, P. Kleeman, C. Pearl, C. Rochester, S. Riley, M. Roth, and B. Sigafus. 2018. Quantifying climate sensitivity and climate driven change in North American amphibian communities. *Nature Communications*. 9:3926 (12.124)

RECENT PRESENTATIONS

Contributors noted as * undergraduate student, ‡ graduate student, and § presenter.

Tomke, S.A. [§], Z. Couch and **S.J. Price**. 2022. Determining the current distribution and population status of Eastern Hellbenders in Kentucky using Environmental DNA. The Wildlife Society Annual Meeting Nov 6-10, Spokane, WA.

Burrow, A.K., **S.J. Price** and W.R. Haag. 2022. A broadly applicable, objective tool for assessing mussel assemblage health. Joint Aquatic Sciences Meeting May 14- 20, Grand Rapids, MI

Price, S.J. [§] 2022. Effects of Habitat Alteration on Amphibians: Correlative Studies, Proximate Mechanisms and Conservation Solutions. Northern Kentucky University. April 22.

Price, S.J. [§] 2022. Advancing understanding of Queensnake population ecology and disease impacts through passive integrated transponder telemetry. Queensnake Symposium, Ontario Canada (online). March 10.

Price, S.J. [§] 2022. Biodiversity of aquatic systems in Appalachia. Forest Stewards Guild, Aquatic Biodiversity Seminar. 25 January.

SYNERGISTIC ACTIVITIES

Student Advising

- Advised or Co-advised Graduate Students (14)
- Graduate Student Committee (14)
- Undergraduate Students advised (16)
- Independent Research Undergraduate Students (15)

Extension and Outreach Activities (2013-present)

- Educational Programs and Activities (by me, my students or staff); 42 events in total; approximately 3,500 individuals impacted

Current Professional Affiliations

Partnership for Amphibian and Reptile Conservation (2002-present), Society for the Study of Amphibians and Reptiles (2002-present), Society for Freshwater Science (2015-present), The Wildlife Society (2018-present)