

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

- 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
- **Average DOE: 41.38% research, 46.95% teaching, 1.67% service, 10% administration**

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
- **Average DOE: 65.32% research, 34.68% teaching**

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

2008-2009, 2011-2012: Adjunct Instructor/Visiting Assistant Professor, Department of Biology, Davidson College, Davidson NC

2004-2011: Research Coordinator, Department of Biology, Davidson College, Davidson NC

RESEARCH SUMMARY

Research Interests

Conservation Biology, Wildlife Ecology, Freshwater Ecology, Restoration Ecology, Herpetology, Ecological Modeling

Analytics

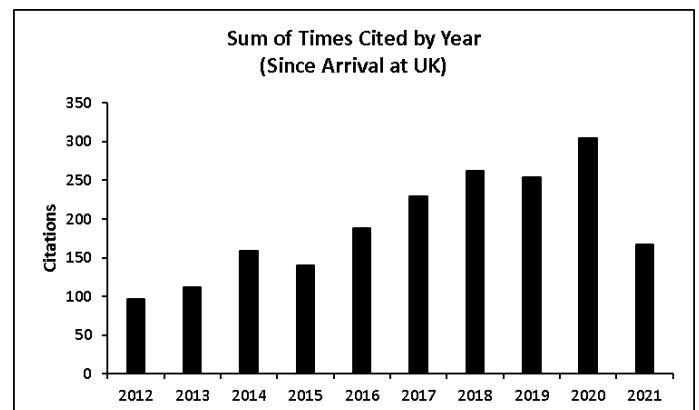
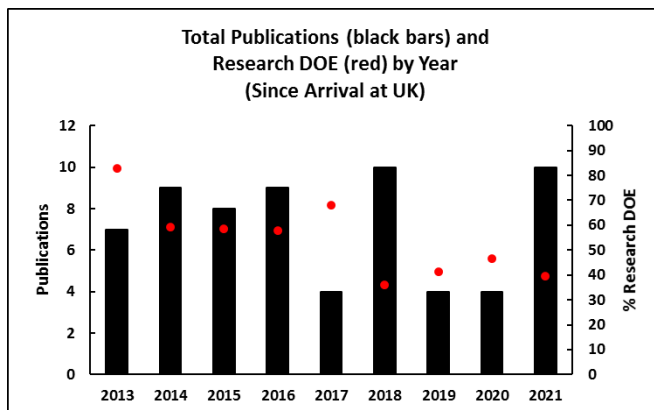
Extramural funding as PI or Co-PI: **\$3,959,578** (**\$3,749,437** since arrival at UK)

H-index: **27** (Google Scholar as of 6/15/2021)

Total citations: **2210** (Google Scholar as of 6/15/2021)

Peer-reviewed journal articles: **100**

Total research presentations: **76**



FUNDED EXTRAMURAL RESEARCH

Post-associate professor funding. Role explained in parenthesis.

Extramural funding as PI/Co-PI since promotion to associate professor: \$1,063,125

16. **Price, S.J.** and W.R. Haag. 2021-2024. Where have all the mussels gone? A Multi-scale approach to address the widespread decline of freshwater mussels. American Rivers and The BAND foundation. **\$213,095**

15. **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**

14. **Price, S.J.** 2019-2022. Assessment of Eastern Hellbender populations in Kentucky: Distribution and recruitment. Kentucky Department of Fish and Wildlife Resources. **~\$140,000**

13. **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**

12. **Price, S.J.** and W.R. Haag. 2018-2023. Implementation of a monitoring tool for assessing stream health. US Forest Service. **\$6,849**

11. 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**

10. Hutton, J.M. and **S.J. Price**. 2017. The effects of specific conductance on stream salamander occupancy and allochthony in southeastern Kentucky. Foundation for the Conservation of Salamanders Daniel M. Digiacomo Grant, 2017. **\$5,000**

9. **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**

Funding pre-associate professor. Role explained in parenthesis.

8. **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**

7. **Price, S.J.** and W.R. Haag. 2016-2019. Using juvenile freshwater mussels as bioindicators to identify causes and sources of stream degradation associated with mussel declines. Memorandum of Understanding among University of Kentucky Research Foundation, Kentucky Waterways Alliance and US Fish and Wildlife Service. **\$30,000**

6. **Price, S.J.**, G.M. Connette, S.J. Bonner and J.M. Lorch. 2016. Evaluating the impact of snake fungal disease on wild snake populations. National Geographic Society. **\$15,000**

5. **Price, S.J.** and S.B. Freytag. 2016. Dynamics of trace metal and ion concentrations in reclaimed mountaintop removal and reference headwater streams. Kentucky Water Resources Research Institute. **\$4,656**

4. 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**. 2016-2021. Kentucky Research Consortium for Energy and Environment (KRCEE). Department of Energy. **\$2,500,000** (\approx **\$28,000** to Price for 2016-2021 research and Annual Site Environmental Report with Marshall High School (MCHS) students at West Kentucky State Wildlife Management Area)

3. **Price, S.J.**, D.W. Weisrock, and W. R. Haag. 2015. Dispersal congruency and population structure within imperiled host-parasite systems. Kentucky Science and Engineering Foundation. **\$30,000**

2. **Price, S.J.** and T. Kreher. 2015-2016. Amphibian habitat assessment at the Paducah Gaseous Diffusion Plant and the West Kentucky State Wildlife Management Area. Department of Energy. **\$26,656**

1. Weisrock, D.W. and **S.J. Price**. 2013. Leveraging novel genetic and genomic technologies to understand and conserve a Kentucky state endangered giant salamander. Kentucky Science and Engineering Foundation. **\$30,000**

PUBLICATIONS

Papers in Peer-reviewed Journals (Total to date: 100 accepted or published; 65 accepted since arrival at UK) If available, Thomson Reuters © Impact Factor follows each reference. Role explained in parenthesis. Contributors noted as * undergraduate student, † graduate student, and § corresponding author

Peer-reviewed journal articles since promotion to associate professor: 31

100. Gadd, S.J.* , J.M. Hutton†, and **S.J. Price**§. *In press*. The diet of southern ravine salamander *Plethodon richmondi*. Herpetological Bulletin. (0.84)

99. O'Brien, A.E.* , A.A. Stewart*, and **S.J. Price**§. *In press*. *Eurycea cirrigera* Death Feigning. Herpetological Review.

98. Wade, B. S.*§, B. H. Kemp*, M. S. Vininski*, R.D. Denton, S.C. Richter, A.N. Drayer, **S.J. Price**, B.H. Holt, K.G. Hutcheson*, and B.M. Fitzpatrick. *In press*. Kleptogenesis in Kentucky: Genetic analyses of unisexual *Ambystoma* at the southernmost extent of their range. Herpetological Review.

97. Hutton, J.M.^{‡§}, A.D. Macedo[‡], S.C. Richter, R.W. Warne, and **S.J. Price**. *In press*. Does the non-lethal gastric lavage method affect subsequent feeding behavior in adult and larval plethodontid stream salamanders? *Herpetological Review*.
96. 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*. (3.00) DOI: 10.1016/j.gecco.2021.e01719
95. 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:early view (6.259) DOI: 10.3201/eid2707.204864
94. Davis, A.G.^{‡§}, W. Leuenberger, A.N. Drayer and **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. DOI: 10.1656/045.028.0201 (0.538)
93. Zhang, W. [§], **S.J. Price** and S.J. Bonner. 2021. Maximum likelihood inference for the band-read error model for capture-recapture data with misidentification. *Environmental and Ecological Statistics* 28:405-422. DOI: 10.1007/s10651-021-00492-6 (0.54)
92. 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. DOI: 10.1111/fwb.13651 (3.835)
91. 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 DOI: 10.1002/eap.2251 (4.378)
90. 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 DOI: 10.1670/19-015 (0.77)
89. 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 DOI: 10.5424/fs/2020292-16074 (1.138)
88. 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. DOI: 10.1007/s11273-020-09730-3 (2.062)

87. 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 DOI: 10.1086/709688 (2.344))
86. Arant, P.L.[‡], D. White[‡] and **S.J. Price**[§]. 2019. *Diadophis punctatus* (Ring-necked Snake) and *Storeria occipitomaculata* (Red-bellied Snake). Predation. *Herpetological Review* 50:292.
85. 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. DOI: 10.1670/18-070 (0.77)
84. 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)
83. Stengle, A., T. Farrell, K. Freitas, C. Lind, **S.J. Price**, B. Butler, T. Tadevosyan, M. Isidoro-Ayza, D. Taylor, M. Winzeler and J.M. Lorch[§]. 2019. Evidence of vertical transmission of the snake fungal pathogen *Ophidiomyces ophiodiicola*. *Journal of Wildlife Diseases*. 55:961-964. DOI 10.7589/2018-10-250 (1.150)
82. 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)
81. Hutton, J.M.^{‡§}, R. Leloudis* and **S.J. Price**. 2018. *Desmognathus welteri* cannibalism. *Herpetological Review*. 49:296.
80. Hutton, J.M.^{‡§} and **S.J. Price**. 2018. *Ambystoma barbouri*. Predation. *Herpetological Review*. 49:89.
79. Hutton, J.M.^{‡§} and **S.J. Price**. 2018. *Eurycea bislineata*. Oophagy. *Herpetological Review*. 49:90-91.
78. Hutton, J.M.^{‡§}, **S.J. Price** and S.C. Richter. 2018. Diet of the Black Mountain Salamander (*Desmognathus welteri*) in Southeastern Kentucky. *Herpetological Review*. 49:12-19.
77. Guzy, J.C. ^{‡§}, E. A. Eskew[‡], B.J. Halstead and **S.J. Price**. 2018. Influence of damming on anuran species richness in riparian zones: A test of the serial discontinuity concept. *Ecology and Evolution*. 8:2268-2279. DOI: 10.1002/ece3.3750 (2.537)

76. 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 DOI: 10.1038/s41467-018-06157-6 (12.124)
75. Murphy M.O. [‡], K. Jones [‡], **S.J. Price**, D.W. Weisrock [§]. 2018. A genomic assessment of population structure and gene flow in an aquatic salamander identifies the roles of spatial scale, barriers, and river architecture. *Freshwater Biology*. 63: 407-419 DOI: 10.1111/fwb.13071 (3.255)
74. **Price, S. J.** [§], S.B. Freytag [‡], S.J. Bonner, B. Muncy [‡], A.N. Drayer, J.M. Hutton [‡] and C.D. Barton. 2018. Mountaintop removal mining alters stream salamander population dynamics. *Diversity and Distributions*. 24:1242-1251. DOI: 10.1111/ddi.12760 (4.391)
73. Relyea, R.A. [§], P.R. Stephens, L.N. Barrow, A.R. Blaustein, P.W. Bradley, J.C. Buck, A. Chang, J. P. Collins, B. Crother, J. Earl, S. S. Gervasi, J. T. Hoverman, O. Hyman, E. Moriarty Lemmon, T. M. Luhring, M. Michelson, C. Murray, **S.J. Price**, R.D. Semlitsch, A. Sih, A.B. Stoler, N. VandenBroek, A. Warwick, G. Wengert, and J. I. Hammond. 2018. Phylogenetic patterns of trait and trait plasticity evolution: Insights from amphibian embryos. *Evolution*. 72:663-678. DOI:10.1111/evo.13428 (4.201)
72. Agha, M. ^{‡§}, **S.J. Price**, A. J. Nowakowski, B. Augustine and B.D. Todd. 2017. Mass mortality of eastern box turtles (*Terrapene carolina*) due to upper respiratory disease and associated with atypical cold temperatures and Ranavirus. *Diseases of Aquatic Animals*. 124:91-100. DOI: 10.3354/dao03122 (1.752)
71. Agha, M. ^{‡§}, A.L. Smith, J.E. Lovich, D. Delaney, J.R. Ennen, J. Briggs, L.J. Fleckenstein*, L.A. Tennant, S.R. Puffer, A. Walde, T.R. Arundel, **S.J. Price** and B.D. Todd. 2017. Mammalian mesocarnivore visitation at desert tortoise burrows in a wind farm. *Journal of Wildlife Management*. 81:1117-1124. DOI: 10.1002/jwmg.21262 (1.725)
70. Hutton, J.M. ^{‡§}, **S.J. Price** and S.C. Richter. 2017. The diet of the Cumberland Plateau Salamander (*Plethodon kentucki*) in an old growth forest of southeastern Kentucky. *American Midland Naturalist* 178:144-150 DOI: 10.1674/0003-0031-178.1.144 (0.592)

Peer-reviewed journal articles prior to promotion to associate professor at UK: 34

69. Todd, B.D. [§], A.J. Nowakowski, J.P. Rose[‡], and **S.J. Price**. 2017. Species traits explaining sensitivity of snakes to human land use estimated from citizen science data. *Biological Conservation* 206:31-36. DOI: 10.1016/j.biocon.2016.12.013 (3.985)
68. Murphy, M.O.[‡], **S.J. Price**[§], P.M. Hime[‡], A.N. Drayer and D.W. Weisrock. 2016. A review and comparison of common mudpuppy (*Necturus maculosus*) capture methods and the description of a new trap design. *Herpetological Review* 48:575-578.
67. Lorch, J.M. [§], J.S. Lankton, S. Knowles, K. Michell, J.L. Edwards, J.M. Kapfer, R.A. Staffen, E.R. Wild, K.Z. Schmidt, A.E. Ballmann, D. Blodgett, T.M. Farrell, B.M. Glorioso, L.A. Last, **S.J. Price**, K.L. Schuler, C.E. Smith, J.F.X. Wellehan Jr., and D.S. Blehert. 2016. Snake fungal disease: An emerging threat to wild snakes. *Philosophical Transactions of the Royal Society B*. 371:20150457 DOI: 10.1098/rstb.2015.0457 (5.847)
66. Oldham, C. [‡], J.L. Fleckenstein*, W. Boys*, and **S.J. Price**[§]. 2016. Enhancing ecological investigations of snakes with Passive Integrated Transponder (PIT) telemetry. *Herpetological Review* 47: 385-388.
65. Kirchberg, J.*[‡], K.K. Cecala[§], **S.J. Price**, E.M. White and D.G. Haskell. 2016. Evaluating the impacts of small impoundments on stream salamanders. *Aquatic Conservation: Marine and Freshwater Ecosystems* 26:1197-1206. DOI: 10.1002/aqc.2664 (2.136)
64. Todd, B.D. [§], J.P. Rose[‡], **S.J. Price** and M.E. Dorcas. 2016. Using citizen science data to identify the sensitivity of species to human land use. *Conservation Biology*. 30:1266–1276. DOI: 10.1111/cobi.12686 (4.165)
63. Bonner, S.J. [§], M.R. Schofield, P. Noren and **S.J. Price**. 2016. Extending the latent multinomial model with complex error processes and dynamic Markov bases. *Annals of Applied Statistics* 10:246-263. DOI: 10.1214/15-AOAS889 (1.46)
62. Grant, E.H.C. [§], D. A.W. Miller, E. Muths, M.J. Adams, S.M. Amburgey, T. Chambert, S.S. Cruickshank, R.N. Fisher, D.M. Green, B.R. Hossack, P.T.J. Johnson, M.B. Joseph, T. Rittenhouse, M. Ryan, B.R. Schmidt, H. Waddle, S.C. Walls, L. L. Bailey, G. Fellers, T.A. Gorman, A.M. Ray, D. Pilliod, **S.J. Price** and D. Saenz. 2016. Quantitative evidence for the effects of multiple drivers on continental-scale amphibian declines. *Scientific Reports* 6:25625 DOI: 10.1038/srep25625 (5.56)
61. **Price, S.J.** [§], B.L. Muncy[‡], S.J. Bonner, A. Drayer and C.D. Barton. 2016. Effects of mountaintop removal mining and valley fills on occupancy and abundance of stream salamanders. *Journal of Applied Ecology* 53:459-468. DOI: 10.1111/1365-2664.12585 (4.564)

60. Murphy, M.O. ‡, M. Agha ‡, T.A. Maigret ‡, **S.J. Price** §, and M.E. Dorcas. 2016. The effects of urbanization on body size of larval stream salamanders. *Urban Ecosystems* 19:275-286. DOI: 10.1007/s11252-015-0486-0 (2.685)
59. **Price, S.J.** §, C.R. Oldham ‡, W.M. Boys*, and L.J. Fleckenstein*. 2015. First record of snake fungal disease in Kentucky. *Journal of the Kentucky Academy of Science* 76:47-48. DOI: 10.3101/1098-7096-76.1.47
58. Cecala, K.K. §, **S.J. Price**, and M.E. Dorcas. 2015. Stream salamanders accurately assess size-dependent predation threats. *Herpetologica* 71:184-189. DOI: 10.1655/HERPETOLOGICA-D-14-00031 (1.140)
57. Oldham, C.R. ‡, **S.J. Price** §, W.A. Boys*, and L.J. Fleckenstein*. 2015. *Regina septemvittata* (Queensnake). Defensive behavior/death-feigning. *Herpetological Review* 46:51-52.
56. Agha, M. ‡, B. Augustine ‡, J.E. Lovich, D. Delaney, B. Sinervo, M.O. Murphy ‡, J.R. Ennen, R. Cooper and **S.J. Price** §. 2015. Using motion-sensor camera technology to infer seasonal activity and thermal niche of the desert tortoise (*Gopherus agassizii*). *Journal of Thermal Biology* 49/50:119-126. DOI: 10.1016/j.jtherbio.2015.02.009 (1.505)
55. Agha, M. ‡, D. Delaney, J.E. Lovich, J. Briggs, M. Austin, and **S.J. Price** §. 2015. Nelson's big horn sheep (*Ovis canadensis nelsoni*) trample Agassiz's desert tortoise (*Gopherus agassizii*) burrow at a California wind energy facility. *Bulletin of the Southern California Academy of Science* 114:58-62.
54. Agha, M. ‡, M.O. Murphy ‡, J.E. Lovich, J.R. Ennen, C.R. Oldham ‡, K. Meyer, C. Bjurlin, M. Austin, S. Madrak, C. Loughran, L. Tennant, and **S.J. Price** §. 2015. The effect of research activities and winter precipitation on defensive voiding behavior of Agassiz's desert tortoises (*Gopherus agassizii*). *Wildlife Research* 41:641-649. DOI: 10.1071/WR14196 (1.487)
53. Agha, M. ‡, J. E. Lovich, J. R. Ennen, B. Augustine ‡, T. R. Arundel, M. O. Murphy ‡, D. Delaney, J. Briggs, K. Meyer, C. Bjurlin, M. Austin, S. Madrak, L. Tennant, and **S. J. Price** §. 2015. Turbines and terrestrial vertebrates: variation in tortoise survivorship between a wind energy facility and an adjacent undisturbed wildland area in the desert southwest (USA). *Environmental Management* 56:332-341. DOI: 10.1007/s00267-015-0498-9 (1.724)
52. Fleckenstein, J.L.* , M. Agha ‡, and **S.J. Price** §. 2015. *Terrapene carolina*. Diet. *Herpetological Review* 46:85.
51. Muncy, B.L. ‡, **S.J. Price** §, S.J. Bonner and C.D. Barton. 2014. Mountaintop removal mining reduces stream salamander occupancy and richness in southeastern Kentucky

(USA). *Biological Conservation* 180:115-121. DOI: 10.1016/j.biocon.2014.09.040 (3.762)

50. Akins, C. *, C.D. Ruder*, **S.J. Price**, L.A. Harden^{‡§}, J.W. Gibbons, and M.E. Dorcas. 2014. Factors affecting body temperature variation and habitat use in free-ranging diamondback terrapins. *Journal of Thermal Biology* 44:63-69. DOI: 10.1016/j.jtherbio.2014.06.008 (1.505)

49. Guzy, J.C. [§], **S.J. Price**, and M.E. Dorcas. 2014. Using multiple methods to assess detection probabilities of riparian-zone anurans: implications for monitoring. *Wildlife Research* 41:243-257. DOI: 10.1071/WR14038 (1.487)

48. Witczak, L.R.* , J.C. Guzy^{‡§}, **S.J. Price**, J.W. Gibbons, and M.E. Dorcas. 2014. Temporal and spatial variation in survivorship of diamondback terrapins (*Malaclemys terrapin*). *Chelonian Conservation and Biology* 13:146-151. DOI: 10.2744/CCB-1090.1 (0.738)

47. Hime, P.M.^{‡§} and **S.J. Price**. 2014. *Aneides aeneus*. Death feigning/immobility. *Herpetological Review* 45:470.

46. Hime, P.M.^{‡§}, A.N. Drayer, and **S.J. Price**. 2014. *Necturus maculosus*. Larval guarding. *Herpetological Review* 45:474.

45. Maigret, T.A. [‡], J.J. Cox[§], D.R. Schneider, C.D. Barton, **S.J. Price** and J.L. Larkin. 2014. Effects of timber harvest within streamside management zones on salamander populations in ephemeral streams of southeastern Kentucky. *Forest Ecology and Management* 324:46-51. DOI: 10.1016/j.foreco.2014.03.043 (2.487)

44. Barrett, K. and **S.J. Price**[§]. 2014. Urbanization and stream salamanders: a review, conservation options, and research needs. *Freshwater Science* 33:927-940. DOI: 10.1086/677556 (1.941)

43. Muncy, B.L.[‡], **S.J. Price**[§] and M.E. Dorcas. 2014. Capture probability and survivorship of the southern two-lined salamander (*Eurycea cirrigera*) in drought and non-drought conditions. *Copeia* 2014:366-371. DOI: 10.1643/CE-13-139.1 (0.901)

42. Richter, S.C. [§], **S.J. Price**, C.S. Kross[‡], J.R. Alexander* and M.E. Dorcas. 2013. Upland habitat quality and historic landscape composition influence genetic variation of a pond-breeding salamander. *Diversity* 5: 724-733. DOI: 10.3390/d5040724

41. Guzy, J.C. [§], **S.J. Price** and M.E. Dorcas. 2013. An assessment of the spatial configuration of greenspace and aquatic habitats on semi-aquatic turtle occupancy and species richness in a suburban landscape. *Landscape and Urban Planning* 117:46-56. (2.606) DOI: 10.1016/j.landurbplan.2013.04.011

40. **Price, S.J.** §, J.C. Guzy, L. Witzcak* and M.E. Dorcas. 2013. Do ponds on golf courses provide suitable habitat for wetland-dependent animals? An assessment of turtle abundances. *Journal of Herpetology* 47:243-250. DOI: 10.1670/12-107 (0.893)
39. Cecala, K.K. ‡§, **S.J. Price** and M.E. Dorcas. 2013. Modeling the effects of life-history traits on estimation of population parameters for a cryptic species. *Freshwater Science* 32:116-125. DOI: 10.1899/11-142.1 (1.423)
38. Hunt, S.D.*, J.C. Guzy§, **S.J. Price**, B.J. Halstead, E.A. Eskew* and M.E. Dorcas. 2013. Response of riparian zone reptile communities to damming and urbanization. *Biological Conservation* 157:277-284. DOI: 10.1016/j.biocon.2012.08.035 (4.036)
37. Kern, M.M.*, J.C. Guzy§, **S.J. Price**, S.D. Hunt*, E.A. Eskew* and M.E. Dorcas. 2012. Riparian zone amphibians and reptiles within the Broad River basin, South Carolina. *Journal of North Carolina Academy of Science* 128:81-87.
36. **Price, S.J.** §, R.A. Browne and M.E. Dorcas. 2012. Resistance and resilience of a stream salamander to supra-seasonal drought. *Herpetologica* 68:312-323. DOI: 10.1655/HERPETOLOGICA-D-11-00084.1 (1.08)

Peer-reviewed journal articles prior to arriving at UK: 35

35. Foley, S.M.*, **S.J. Price**§ and M.E. Dorcas. 2012. Nest-site selection and nest depredation of semi-aquatic turtles on golf courses. *Urban Ecosystems* 15:489-497. DOI: 10.1007/s11252-012-0229-4
34. Eskew, E.A. *, **S.J. Price**§ and M.E. Dorcas. 2012. Effects of river-flow regulation on anuran occupancy and abundance in riparian zones. *Conservation Biology* 26:504-512. DOI: 10.1111/j.1523-1739.2012.01842.x (4.355)
33. **Price, S.J.** §, R.A. Browne and M.E. Dorcas. 2012. Evaluating the effects of urbanisation on salamander abundances using a before-after control-impact design. *Freshwater Biology* 57:193-203. DOI: 10.1111/j.1365-2427.2011.02699.x (3.933)
32. **Price, S.J.** §, E.A. Eskew*, K.K. Cecala*, R.A. Browne and M.E. Dorcas. 2012. Estimating survival of a streamside salamander: Importance of temporary emigration, capture response and location. *Hydrobiologia* 679:205-215. DOI: 10.1007/s10750-011-0882-2 (1.985)
31. **Price, S.J.** §, and M.E. Dorcas. 2011. The Carolina Herp Atlas: an online, citizen-science approach to document amphibian and reptile occurrences. *Herpetological Conservation and Biology* 6:287-296. (0.513)

30. **Price, S.J.**[§], K.K. Cecala*, R.A. Browne and M.E. Dorcas. 2011. Effects of urbanization on occupancy of stream salamanders. *Conservation Biology* 27:547-555. DOI: 10.1111/j.1523-1739.2010.01627.x (4.692)
29. Connette, G.M.*[§], **S.J. Price** and M.E. Dorcas. 2011. Influence of abiotic factors on activity in a larval stream salamander assemblage. *Southeastern Naturalist* 10: 109-120. DOI: 10.1656/058.010.0109 (0.487)
28. Eskew, E.A.*[§], **S.J. Price** and M.E. Dorcas. 2011. Survivorship of painted turtles (*Chrysemys picta*) in recently modified suburban landscapes. *Chelonian Conservation and Biology* 9:244-249. DOI: 10.2744/CCB-0823.1 (0.913)
27. Cecala, K.K.*[§], **S.J. Price** and M.E. Dorcas. 2010. Ecology of juvenile northern watersnakes (*Nerodia sipedon*) inhabiting low-order streams. *Amphibia-Reptilia* 31:169-174. DOI: 10.1163/156853810791069029 (0.976)
26. Eskew, E.A.*[§], **S.J. Price**[§] and M.E. Dorcas[§]. 2010. Survival and recruitment of semi-aquatic turtles in an urbanized region. *Urban Ecosystems* 13:365-374. DOI: 10.1007/s11252-010-0125-8
25. Birx-Raybuck, D.*[§], **S.J. Price** and M.E. Dorcas[§]. 2010. Pond age and riparian zone proximity influence anuran occupancy of urban retention ponds. *Urban Ecosystems* 13:181-190. DOI: 10.1007/s11252-009-0116-9
24. Cecala, K.K.*[§], **S.J. Price** and M.E. Dorcas. 2009. Evaluating existing movement hypotheses in linear systems using larval stream salamanders. *Canadian Journal of Zoology* 87: 292-298. DOI: 10.1139/Z09-013 (1.254)
23. Harden, L.A.*[§], **S.J. Price**, and M.E. Dorcas[§]. 2009. Terrestrial activity and habitat selection of eastern mud turtles inhabiting a golf course pond: Implications for habitat management. *Copeia* 2009: 78-84. DOI: 10.1643/CH-08-037 (1.044)
22. Westfall, M.C.*[§], K.K. Cecala*, **S.J. Price**[§], and M.E. Dorcas. 2008. Patterns of Trombiculid mite (*Hannemania dunnii*) parasitism among Plethodontid salamanders in the Western Piedmont of North Carolina. *Journal of Parasitology* 94: 631-634. DOI: 10.1645/GE-1260R1.1 (1.165)
21. Eskew, E.A.*[§], **S.J. Price**, and M.E. Dorcas[§]. 2008. New distributional records for reptiles and amphibians of the Charlotte Metropolitan area of North Carolina. *Herpetological Review* 39:245-246.
20. Pittman, S.E.*[§], A.L. Jendrek*, **S.J. Price**, M.E. Dorcas[§]. 2008. Habitat selection and site fidelity of Cope's Gray Treefrog (*Hyla chrysoscelis*) at the aquatic-terrestrial ecotone. *Journal of Herpetology* 42: 378-385. DOI: 10.1670/07-1702.1 (0.888)

19. Hester, J.M.* , **S.J. Price**[§], and M.E. Dorcas. 2008. Effects of relocation on movements and home ranges of eastern box turtles. *Journal of Wildlife Management*. 72: 772-777. DOI: 10.2193/2007-049 (1.323)
18. **Price, S.J.**, R.W. Howe[§], J. Hanowski, R.R. Regal, G.J. Niemi, and C.R. Smith. 2007. Are anurans of Great Lakes coastal wetlands reliable indicators of ecological condition? *Journal of Great Lakes Research* 33(Special Issue 3): 211-223. DOI: 10.3394/0380-1330(2007)33[211:AAOGLC]2.0.CO;2 (1.18)
17. Cecala, K.K.* , **S.J. Price**, and M.E. Dorcas. 2007. *Pseudotriton ruber ruber*. *Polymelia*. *Herpetological Review* 38:434.
16. Failey, E.L.* , J.C. McCoy*, **S.J. Price** and M.E. Dorcas. 2007. Ecology of turtles inhabiting golf course and farm ponds in the western Piedmont of North Carolina. *Journal of North Carolina Academy of Science* 123: 221-232.
15. Cecala, K.K.* , **S.J. Price**, and M.E. Dorcas[§]. 2007. Diet of larval *Pseudotriton ruber* examined using a non-lethal stomach-flushing technique. *Journal of Herpetology* 41: 741-745. DOI: 10.1670/07-019.1 (0.863)
14. McCoy, J.C.* , E.L. Failey*, **S.J. Price** and M.E. Dorcas[§]. 2007. An assessment of leech parasitism on semi-aquatic turtles in the western Piedmont of North Carolina. *Southeastern Naturalist* 6: 191-202. DOI: 10.1656/1528-7092(2007)6[191:AAOLPO]2.0.CO;2 (0.402)
13. Cecala, K.K.* , **S.J. Price**, and M.E. Dorcas[§]. 2007. A comparison of the effectiveness of recommended doses of MS-222 (Tricaine Methane Sulfonate) and Orajel® (Benzocaine) for amphibian anesthesia. *Herpetological Review* 38: 63-66.
12. **Price, S.J.**[§], M.E. Dorcas, A.L. Gallant, R.W. Klaver and J.D. Willson. 2006. Three decades of urbanization: Estimating the impact of land cover change on stream salamander populations. *Biological Conservation* 133: 436-441. DOI: 10.1016/j.biocon.2006.07.005 (2.854)
11. Budischak, S.A.* , J.M. Hester*, **S.J. Price**, and M.E. Dorcas[§]. 2006. Natural history of box turtles, *Terrapene carolina*, in an urbanized landscape. *Southeastern Naturalist* 5: 191-204. DOI: 10.1656/1528-7092(2006)5[191:NHOTCB]2.0.CO;2 (0.479)
10. Kornilev, Y.K.* , **S.J. Price** and M.E. Dorcas[§]. 2006. Between a rock and a hard place: responses of eastern box turtles (*Terrapene carolina*) when trapped between railroad tracks. *Herpetological Review* 37: 145-148.

9. Kornilev, Y.K.*, **S.J. Price**, E.P. Hill*, and M.E. Dorcas. 2006. *Ambystoma maculatum*. Mortality. Herpetological Review 37: 196.
8. Gooch, M.M.*, A.M. Heupel*, **S.J. Price**[§], and M.E. Dorcas. 2006. The effects of survey protocol on detection probabilities and site occupancy estimates of summer breeding anurans. Applied Herpetology 3: 129-142.
7. Kirilin, M.S.*, M.M. Gooch*, **S.J. Price**, and M.E. Dorcas. 2006. Predictors of winter anuran calling activity in the North Carolina Piedmont. Journal of North Carolina Academy of Science 122:10-18.
6. Dorcas, M.E., **S.J. Price**, and G.E. Vaughan. 2006. Amphibians and reptiles of the Great Falls bypassed reaches in South Carolina. Journal of North Carolina Academy of Science 122:1-9.
5. **Price, S.J.**[§], D.R. Marks, R.W. Howe, J. Hanowski, and G.J. Niemi. 2005. The importance of spatial scale for conservation and assessment of anuran populations in coastal wetlands of the western Great Lakes. Landscape Ecology 20:441-454. DOI: 10.1007/s10980-004-3167-6 (2.173)
4. **Price, S.J.** and J.M. Jaskula. 2005. *Hemidactylum scutatum*. Nesting Ecology. Herpetological Review. 36:159
3. **Price, S.J.** and J.M. Jaskula. 2005. *Hemidactylum scutatum*. Terrestrial Microhabitat. Herpetological Review. 36:159.
2. **Price, S.J.** and J.M. Jaskula. 2002. *Hemidactylum scutatum*. Record Size. Herpetological Review. 33:298.
1. **Price, S.J.** 2000. Geographic Distribution. *Hemidactylum scutatum*. Herpetological Review. 31:249.

Books/Book Chapters/Book Reviews (Total to date: 8; since arrival at UK: 3)

9. Richter, S.C., **S.J. Price**, and J.M. MacGregor. *In preparation*. The Reptiles and Amphibians of Kentucky. University Press of Kentucky.
8. **Price, S.J.** *In press*. Mink Frog, *Lithobates septentrionalis*. J. Kapfer, E.R. Wild and D. Brown, (eds.), Amphibians and Reptiles of Wisconsin. University of Wisconsin Press.
7. **Price, S.J.** 2017. Book Review: Amphibians and Reptiles of Land Between the Lakes Herpetological Review.

6. **Price, S.J.**, J. L. Snodgrass, and M.E. Dorcas. 2014. Managing aquatic habitats for wildlife in urban areas. In R. McCleery, C. Moorman, and N. Peterson (eds.), *Urban Wildlife Science: Theory and Practice*. Springer.
5. Dorcas, M.E., **S.J. Price**, S. C. Walls and W. J. Barichivich. 2009. Auditory monitoring of anuran populations. In Dodd, C.K., Jr. (ed.), *Conservation and Ecology of Amphibians. A Handbook of Techniques*. Oxford University Press.
4. Dorcas, M.E. and **S.J. Price**. 2008. Effective undergraduate-based herpetological research in an urban environment. In R. E. Jung and J. C. Mitchell (eds.), *Urban Herpetology. Herpetological Conservation Vol. 3*, Society for the Study of Amphibians and Reptiles. Salt Lake City, UT
3. **Price, S.J.** 2008. Painted turtle, *Chrysemys picta*. In J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliot, (eds.), *The Amphibians and Reptiles of Georgia*. University of Georgia Press.
2. Dorcas, M. E., **S.J. Price**, J. C. Beane, and S. S. Cross. 2007. *The Frogs and Toads of North Carolina*. North Carolina Wildlife Resources Commission, Raleigh, NC.
1. **Price, S.J.** 2004. Sea Turtles. In S. Krech III, J. R. McNeill and C. Metchant (eds.), *Encyclopedia of World Environmental History*. Berkshire Publishing Group, Great Barrington, MA.

Extension/Popular Publications (Total to date: 4)

4. **Price, S.J.** and A.N. Drayer. 2016. Kentucky Snake Identification (UK Extension). <http://kysnakes.ca.uky.edu/>
3. Agha, M., B. Augustine, and **S.J. Price**. 2015. Gap-based forest harvesting and the thermal ecology of eastern box turtles. *Kentucky Woodlands Magazine* 10:20-21.
2. Williams, J., **S.J. Price** and P. Wood. 2014. Salamanders and surface mining in the Appalachian Mountains. *Partners in Amphibian and Reptile Conservation Monthly Newsletter* 12:17-18
1. **Price, S.J.** 2013. Salamanders of Kentucky. *Kentucky Woodlands Magazine* 8: 8-9.

Final Reports (Total to date: 3)

3. **Price, S.J.** and W.R. Haag. 2019. Using juvenile mussels as bioindicators to identify causes and sources of stream degradation associated with mussel declines. Prepared for the Kentucky Waterways Alliance and US Fish and Wildlife Service.

2. **Price, S.J.**, A. N. Drayer and J. MacGregor. 2019. Distribution, occupancy and abundance of *Ambystoma barbouri* (Streamside Salamander) in relation to land-use and water chemistry in central Kentucky streams. Prepared for the Kentucky Department of Fish and Wildlife Resources.

1. **Price, S.J.** and T. Kreher. 2016. Amphibian habitat assessment at the Paducah Gaseous Diffusion Plant and the West Kentucky State Wildlife Management Area. Prepared for University of Kentucky Center for Applied Energy Research, Kentucky Research Consortium for Energy and Environment. UK/KRCEE Doc# P27.16.2015

RECENT PRESENTATIONS (2013-2020)

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

Invited Presentations (Total to date: 12; 3 since promotion to associate professor)

12. **Price, S.J.** § 2020. Effects of Habitat Alteration on Amphibians: Correlative Studies, Proximate Mechanisms and Conservation Solutions. Murray State University. November 6.

11. **Price, S.J.** § 2020. Snake Fungal Disease in Kentucky. KY Chapter of The Wildlife Society Annual Meeting. Lake Cumberland State Resort Park. February 20.

10. **Price, S.J.** § 2018. Patterns and processes in urban environments allow for unique ecological investigations: a herpetological perspective. Biology Department, Centre College. 22 October.

9. **Price, S.J.** §, S.J. Bonner, J.M. Hutton†, A.N. Drayer, B.L. Muncy†, S.B. Freytag† and C.D. Barton. 2018. Mountaintop mining and stream salamanders: searching for mechanisms responsible for population declines. The Wildlife Society Annual Meeting Cleveland, OH. Oct 11.

8. **Price, S.J.** § 2016. Patterns and processes in urban environments allow for unique ecological investigations: a herpetological perspective. Experimental Urban Ecology Workshop, Ecological Research and Education Center, University of Kentucky. 12 November.

7. **Price, S.J.** § 2015. Snake fungal disease in Kentucky. Department of Forestry, University of Kentucky. 30 November.

6. **Price, S.J.** § 2015. Quantifying the effects of habitat disturbance on amphibian populations in the southeastern United States. Middle Tennessee State University. 8 October.

5. **Price, S.J.**[§], Muncy, B.L.[‡], and C.D. Barton. 2015. Mountaintop removal and valley fills reduce stream salamander occupancy, abundances, and richness in eastern Kentucky. Department of Biology and Chemistry, Morehead State University. 24 March.
4. **Price, S.J.**[§], Muncy, B.L.[‡], and C.D. Barton. 2014. Effects of mountaintop removal and valley fill on stream salamander populations. Biology Department, Davidson College. 18 November.
3. **Price, S.J.**[§], Muncy, B.L.[‡], and C.D. Barton. 2014. Effects of mountaintop removal and valley fill on stream salamander occupancy and abundance. USFWS, Frankfort KY. 21 July.
2. **Price, S.J.**[§], Muncy, B.L.[‡], and C.D. Barton, and 2014. Effects of mountaintop removal and valley fill on stream salamanders. Water Quality Roundtable, Eastern Kentucky University. 11 April.
1. **Price, S.J.**[§] 2013. Amphibian populations in dynamic and degraded landscapes. Biology Department, Centre College. 3 December.

Other Selected Presentations (Total to date: 64; 23 since promotion to associate professor)

64. Drayer, A.N.[§], J.C. Guzy, and **S.J. Price**. 2020. Distribution, occupancy and abundance of *Ambystoma barbouri* in central Kentucky streams. KY Chapter of The Wildlife Society Annual Meeting (Poster). Lake Cumberland State Resort Park. February 20-21.
63. Drayer, A.N.[§], **Price, S.J.**, J.C. Guzy, and R. Caro. 2020. Created ephemeral wetlands as habitat for amphibian populations in western Kentucky, USA. KY Chapter of The Wildlife Society Annual Meeting (Poster). Lake Cumberland State Resort Park. February 20-21.
62. **Price, S.J.**[§], Drayer, A.N., J.C. Guzy, and R. Caro. 2020. Created ephemeral wetlands as habitat for amphibian populations in western Kentucky, USA. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Camp McDowell, Nauvoo, AL. February 27- March 1.
61. Greene, K.M.^{§‡}, **S.J. Price**, J. Van Cleve, and A.N. Drayer. 2020. Dispersal and genetic connectivity of amphibian populations in an altered landscape. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Camp McDowell, Nauvoo, AL. February 27- March 1.
60. Ibach, A.J.^{§‡} and **S.J. Price**. 2020. Modeling individual growth in two natricine snake species. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Camp McDowell, Nauvoo, AL. February 27- March 1.

59. Tomke, S.A. ^{§‡}, S.J. Price and S. Carr. 2020. Hellbenders in Kentucky. Current status and research efforts. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Camp McDowell, Nauvoo, AL. February 27- March 1.
58. Lambert, M. ^{§‡}, **S.J. Price** and C. Barton 2019. Evaluation of artificial wetland effectiveness using amphibians as indicators of habitat quality on a reforested surface mine in the Monongahela National Forest, West Virginia. ESA/USSEE Joint Meeting (Poster), Louisville, KY. Aug 11-16.
57. White, D. ^{§‡}, W.R. Haag, **S.J. Price**, J. J. Culp and M. McGregor. 2019. Influence of *Corbicula fluminea* and water temperature on juvenile mussel growth in the wild. Freshwater Mussel Conservation Society Symposium (Talk). San Antonio, TX. April 14-18.
56. Haag, W.R. [§], **S.J. Price**, A. Darracq, J.J. Culp, and M.M. McGregor. 2019. Biomarker responses of juvenile freshwater mussels to starvation and exposure to ambient stream conditions. Freshwater Mussel Conservation Society Symposium (Talk). San Antonio, TX. April 14-18.
55. Ibach, A. ^{§‡}, and **S.J. Price**. Growth Rates of two natricine snake species: differences between sexes, age classes and sites. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster), Black Mountain, North Carolina. Feb 14-17.
54. **Price, S.J.** [§], McKenzie, J.M. [‡], G.M. Connette, S.J. Bonner and J.M. Lorch. 2019. Effects of snake fungal disease on short-term survival, behavior, and movement in free ranging snakes. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Talk), Black Mountain, North Carolina. Feb 14-17.
53. Drayer, A. N. [§], J. C. Guzy, and **S. J. Price**. 2019. Distribution, occupancy and abundance of *Ambystoma barbouri* in central Kentucky streams. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Talk), Black Mountain, North Carolina. Feb 14-17.
52. Davis, A. G. [§], W. Leuenberger, A. N. Drayer, and **S. J. Price**. 2019. Ecology of *Siren intermedia* in western Kentucky: Preliminary results using a spatial capture-recapture approach. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Talk), Black Mountain, North Carolina. Feb 14-17.
51. Haag, W.R. [§], J.J. Culp, M. McGregor, **S.J. Price** and L. Sneed[‡]. 2018. Factors related to growth inhibition in juvenile mussels exposed to ambient stream conditions. Freshwater Mussel Conservation Society Symposium (Talk), LaCrosse WI. March 13-15.

50. Hutton, J.M. ‡§ **S.J. Price**, S.J. Bonner, S.C. Richter and C.D. Barton. 2018. Plethodontid stream salamander occupancy, abundance and diet along a conductivity gradient. Society of Freshwater Science Annual Meeting (Talk). Detroit MI. May 20-24.
49. Hutton, J.M. ‡§, **S.J. Price**, S.J. Bonner, S.C. Richter and C.D. Barton. 2018. Population and allochthony threshold responses of Plethodontid stream salamanders to conductivity. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Talk), Helen, GA. Feb 22-25.
48. Lambert, M. ‡§ and **S.J. Price**. 2018. Improving detection of a threatened anuran species, *Lithobates areolatus*, in western Kentucky. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Talk), Helen, GA. Feb 22-25.
47. Hutton, J.M. ‡§, **S.J. Price** and S.C. Richter. 2018. Diet of the Black Mountain Salamander (*Desmognathus welteri*) in Southeastern Kentucky. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Talk), Helen, GA. Feb 22-25.
46. Lambert, M. ‡§ and **S.J. Price**. 2017. Improving detection and of a threatened anuran species (*Lithobates areolatus*) in Western Kentucky. Kentucky Academy of Science 103rd Annual Meeting (Poster). Murray State University, Murray KY. November 3.
45. Hutton, J.M. ‡§, **S.J. Price**, S.J. Bonner and C.D. Barton. 2017. Occupancy and Allochthony Threshold Responses of Plethodontid Stream Salamanders to Stream Conductivity. Kentucky Academy of Science 103rd Annual Meeting (Poster). Murray State University, Murray KY. November 3.
44. P.M. Hime^{§†}, S. Unger, **S.J. Price**, L. Williams, J. Briggler, A. McMillan, M. Freake, A. Drayer, M. Foley, E. Lemmon and D.W. Weisrock. 2017. SNP-based species delimitation in North America's largest salamander. Hellbender Symposium. Mississippi Museum of Natural Science, Jackson, MS. June 19-22.
43. McKenzie, J. ‡§, **S. J. Price**, G.M. Connette, L. J. Fleckenstein*, A.N. Drayer and J.M. Lorch. 2017. Snake Fungal Disease in Kentucky. Kentucky Chapter of The Wildlife Society. Barren River State Resort Park, KY. February 16-17.
42. McKenzie, J. ‡§, **S. J. Price**, G.M. Connette, L. J. Fleckenstein*, A.N. Drayer and J.M. Lorch. 2017. Field diagnostics and seasonality of *Ophidiomyces ophiodiicola* in wild snake populations. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Little Rock, AR. February 16-19.
41. Hutton, J.M. ‡§, **S.J. Price** and S. C. Richter. 2017. The diet of the Cumberland Plateau Salamander (*Plethodon kentucki*) in an old growth forest of southeastern Kentucky. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Little Rock, AR. February 16-19.

40. Weisrock, D.W. [§], P.M. Hime[‡], **S.J. Price**, S. Unger, J. Briggler, A. McMillan, M. Freake, A. Drayer, M. Foley, and E. Lemmon. 2016. What the hellbender? SNP-based species delimitation in North America's largest salamander. EvolutionAustin, TX. . June 17-21.
39. Freytag, S.B. [§], **S.J. Price**, S.J. Bonner, B. L. Muncy[‡], A. N. Drayer and C.D. Barton. 2016. Occupancy dynamics of stream salamanders in degraded and reference headwater streams. Association of Southeastern Biologists Annual Meeting, Concord, NC. 30 March-2 April.
38. **Price, S.J.** [§], B.L. Muncy[‡], S.J. Bonner, A. Drayer and C.D. Barton. 2016. Effects of mountaintop removal mining and valley fills on occupancy and abundance of stream salamanders. Association of Southeastern Biologists Annual Meeting, Concord, NC. 30 March-2 April.
37. McKenzie, J.M. ^{§‡} **S.J. Price**, L.J. Fleckenstein*, A.N. Drayer and J.M. Lorch. 2016. Assessment of snake fungal disease in Kentucky. Association of Southeastern Biologists Annual Meeting, Concord, NC. 30 March-2 April.
36. Freytag, S.B. ^{§‡}, **S.J. Price**, S.J. Bonner, B. L. Muncy[‡], A. N. Drayer and C.D. Barton. 2016. Occupancy dynamics of stream salamanders in degraded and reference headwater streams. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Camp McDowell, Nauvoo, AL. February 19-21.
35. Hime P.M. ^{§‡}, S.D. Unger, A.M. McMillan, M. Freake, S.O. Nunziata[‡], A.R. Lemmon, E.M. Lemmon, **S.J. Price**, R.N. Williams and D.W. Weisrock. 2015. Genome-scale resolution of species boundaries and demography in *Cryptobranchus*. Seventh Hellbender Symposium, Saint Louis, MO. 14-17 June.
34. **Price, S.J.** [§], B. Muncy[‡], S. Bonner, C. Barton, and A. Drayer. 2015. Impacts of mountaintop removal mining and valley fills on stream salamander occupancy, abundance and species richness. Society for Freshwater Science annual meeting, Milwaukee WI. 17-21 May.
33. Murphy, M.O. ^{‡§}, **S.J. Price**, W. Haag, and D. Weisrock. 2015. Assessing congruency of population structure and gene flow between freshwater mussels and their hosts: a genomic approach. Society for Freshwater Science annual meeting, Milwaukee WI. 17-21 May.
32. Yates, W.T.* [§], M. Agha[‡], J.R. Ennen, J.E. Lovich, C.H. Ernst, E.M. Ernst, and **S.J. Price**. 2015. Delayed emergence dynamics in Emydid neonate turtles of North America. Association of Southeastern Biologists Annual Meeting Chattanooga, TN. 1-5 April.

31. Agha, M. ^{‡§}, B. Augustine, J.E. Lovich, D. Delaney, B. Sinervo, M.O. Murphy, J.R. Ennen, J.R. Briggs, and **S.J. Price**. 2015. Using motion-sensor camera technology to infer seasonal activity and thermal niche of the desert tortoise (*Gopherus agassizii*). Association of Southeastern Biologists Annual Meeting Chattanooga, TN. 1-5 April.
30. Agha, M. ^{‡§}, J.E. Lovich, J.R. Ennen, B. Augustine, T.R. Arundel, and **S.J. Price**. 2015. Exploring the spatial dynamics of tortoise burrow placement in an industrial landscape. Association of Southeastern Biologists Annual Meeting Chattanooga, TN. 1-5 April.
29. Murphy, M.O. ^{‡§}, M. Agha[‡], T.A. Mairgret[‡], M.E. Dorcas and **S.J. Price**. 2015. The effects of urbanization on body size of larval stream salamanders. Association of Southeastern Biologists Annual Meeting Chattanooga, TN. 1-5 April.
28. Hime, P.M. ^{‡§}, **S.J. Price**, and D.W. Weisrock. 2014. Genomic insights into amphibian evolution and conservation. SUNY Buffalo Biology Department Seminar Series (Invited Oral Presentation). Buffalo, NY. November 1, 2014.
27. Hime P.M. ^{‡§}, S.O. Nunziata[‡], J.T. Briggler, J.S. Reece, **S.J. Price**, and D.W. Weisrock. 2014. Genomic approaches to *Cryptobranchus* conservation. AZA Amphibian Taxon Advisory Group Advanced Amphibian Course in Hellbender Management and Conservation (Invited Oral Presentation). St. Louis, MO. November 9-12.
26. Lewis, M.A. ^{*§}, M. Agha[‡], and **S.J. Price**. 2014. Preliminary analysis of the use of open canopy gaps by the eastern box turtle (*Terrapene.c.carolina*). Natural Resource and Environmental Science Internship/Research Forum. Lexington, KY. October 9, 2014.
25. Agha, M. ^{‡§}, B. Augustine[‡], M. O. Murphy[‡], J. E. Lovich, D. Delaney, J. R. Ennen, B. Sinervo, R. Cooper and **S.J. Price**. 2014. Inferring seasonal activity and thermal niche of Agassiz's desert tortoises (*Gopherus agassizii*) through the application of motion sensor camera technology. Symposium for the Conservation and Biology of Tortoises and Freshwater Turtles, co-hosted by TSA and IUCN. Orlando, FL. August 4-7.
24. Lewis, M.A ^{*§}, M. Agha[‡], and **S.J. Price**. 2014. Preliminary analysis of the use of open canopy gaps by the eastern box turtle (*Terrapene. c. carolina*). Symposium for the Conservation and Biology of Tortoises and Freshwater Turtles, co-hosted by TSA and IUCN. Orlando, FL. August 4-7.
23. Agha, M. ^{‡§}, M. O. Murphy[‡], J. E. Lovich, J. R. Ennen, C. R. Oldham[‡], K. Meyer, C. Bjurlin, M. Austin, S. Madrak, C. Loughran, L. Tennant, and **S.J. Price**. 2014. Research activities and winter precipitation influence voiding behavior in Agassiz's desert tortoise (*G. agassizii*). 57th Annual Meeting of the Society for the Study of Amphibians and Reptiles hosted by Society of Ichthyologists and Herpetologists. Chattanooga, TN. July 30-August 3.

22. Murphy, M.O.^{‡§}, **S.J. Price**, and M.E. Dorcas. 2014. The effects of urbanization on salamander body size using a before-after control-impact design. 57th Annual Meeting of the Society for the Study of Amphibians and Reptiles hosted by Society of Ichthyologists and Herpetologists. Chattanooga, TN. July 30-August 3.
21. Agha, M.^{‡§}, J. E. Lovich, J. R. Ennen, B. Augustine[‡], T. R. Arundel, M. O. Murphy[‡], D. Delaney, J. Briggs, K. Meyer, C. Bjurlin, M. Austin, S. Madrak, L. Tennant, and **S. J. Price**. 2014. Turbines and terrestrial vertebrates: Variation in tortoise survivorship between a wilderness and wind energy facility in the desert southwest, USA. 57th Annual Meeting of the Society for the Study of Amphibians and Reptiles hosted by Society of Ichthyologists and Herpetologists. Chattanooga, TN. July 30-August 3.
20. Hime P.M.^{‡§}, S.O. Nunziata[‡], J.T. Briggler, J.S. Reece, **S.J. Price**, and D.W. Weisrock. 2014. Genomic approaches to *Cryptobranchus* conservation. 57th Annual Meeting of the Society for the Study of Amphibians and Reptiles hosted by Society of Ichthyologists and Herpetologists. Chattanooga, TN. July 30-August 3.
19. Oldham, C.R.^{‡§}, L.J. Fleckenstein III^{*} and **S.J. Price**. 2014. Novel application of passive integrated transponder (PIT) telemetry in natricine snakes. 57th Annual Meeting of the Society for the Study of Amphibians and Reptiles hosted by Society of Ichthyologists and Herpetologists. Chattanooga, TN. July 30-August 3.
18. Murphy, M.O.^{‡§}, **S.J. Price**, and D.W. Weisrock. 2014. Host before Habitat? Assessing congruency in patterns of gene flow in an imperiled freshwater mussel and its vertebrate host. Evolution. Raleigh, NC. June 21-25.
17. Muncy, B.L.^{‡§}, C.D. Barton, and **S.J. Price**. 2014. Effects of mountaintop removal and valley fill on stream salamander communities. Association of Southeastern Biologists Annual Meeting Spartanburg, SC. 2-5 April.
16. Oldham, C.R.^{‡§}, L.J. Fleckenstein III^{*} and **S.J. Price**. 2014. Novel application of passive integrated transponder (PIT) telemetry in natricine snakes. Association of Southeastern Biologists Annual Meeting Spartanburg, SC. 2-5 April.
15. Maigret, T.A.^{‡§}, J.J. Cox, D.R. Schneider, C.D. Barton, **S.J. Price** and J.L. Larkin. 2014. Effects of timber harvest within streamside management zones on salamander populations in ephemeral streams of southeastern Kentucky. Association of Southeastern Biologists Annual Meeting Spartanburg, SC. 2-5 April.
14. Agha, M.[‡], M.O. Murphy^{‡§}, J.E. Lovich, J.R. Ennen, C.R. Oldham[‡] and **S.J. Price**. 2014. Research activities influence voiding behavior in desert tortoises (*Gopherus agassizii*). Midwest Ecology and Evolution Conference, Dayton, OH. 1-2 March.

13. Hime, P.M.^{‡§}, **S.J. Price**, and D.W. Weisrock. 2014. Leveraging genomics to understand and conserve an imperiled North American giant salamander. University of Kentucky EcoLunch Seminar Series (Oral Presentation). Lexington, KY. February 28.
12. Hime, P.M.^{‡§}, **S.J. Price**, and D.W. Weisrock. 2014. Leveraging genomics to inform *Cryptobranchus* conservation: Sex-linked genes, range-wide phylogenetics and species delimitation, and field surveys across Kentucky. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Lake Cumberland, KY. February 13-16.
11. Maigret, T.A.^{‡§}, J.J. Cox, D.R. Schneider, C.D. Barton, **S.J. Price** and J.L. Larkin. 2014. Effects of timber harvest within streamside management zones on salamander populations in ephemeral streams of southeastern Kentucky. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Lake Cumberland, KY. February 13-16.
10. Agha, M.^{‡§}, M. O. Murphy[‡], J. E. Lovich, J. R. Ennen, C. R. Oldham, K. Meyer, C. Bjurlin, M. Austin, S. Madrak, C. Loughran, L. Tennant, **S.J. Price**. 2014. Research activities and winter precipitation influence voiding behavior in Agassiz's desert tortoise (*G. agassizii*). Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Lake Cumberland, KY. February 13-16.
9. Muncy, B.L.^{‡§}, C.D. Barton, and **S.J. Price**. 2014. Effects of mountaintop removal and valley fill on stream salamander communities. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Lake Cumberland, KY. February 13-16.
8. Agha, M.^{‡§}, M.O. Murphy[‡], J.E. Lovich, J.R. Ennen, C.R. Oldham[‡] and **S.J. Price**. 2014. Research activities influence voiding behavior in desert tortoises (*Gopherus agassizii*). Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Lake Cumberland, KY. February 13-16.
7. Oldham, C.R.^{‡§}, L.J. Fleckenstein III^{*§} and **S.J. Price**. 2014. Novel application of passive integrated transponder (PIT) telemetry in natricine snakes. Southeast Partners in Amphibian and Reptile Conservation Annual Meeting (Poster). Lake Cumberland, KY. February 13-16.
6. Maigret, T.A.^{‡§}, J.J. Cox, D.R. Schneider, C.D. Barton, **S.J. Price** and J.L. Larkin. 2014. Effects of timber harvest within streamside management zones on salamander populations in ephemeral streams of southeastern Kentucky. The Kentucky Chapter of the Wildlife Society Annual Meeting. Barren River Lake State Park, KY. 20-21 February.
5. Muncy, B.L.^{‡§}, C.D. Barton, and **S.J. Price**. 2014. Effects of mountaintop removal and valley fill on stream salamander communities. The Kentucky Chapter of the Wildlife Society Annual Meeting. Barren River Lake State Park, KY. 20-21 February.

4. Ruder, C.D. *§, C. Akins, **S.J. Price**, L.A. Harden, J.W. Gibbons, and M.E. Dorcas. 2013. Effects of environmental temperature variation on body temperatures and habitat use in free-ranging diamondback terrapins (*Malaclemys terrapin*). 6th Symposium on the Ecology, Status and Conservation of Diamondback Terrapins. Seabrook Island, SC. September 13-15.
3. Witzcak, L.R. *§, J.C. Guzy, **S.J. Price**, J. W. Gibbons, and M.E. Dorcas. 2013. Creek-specific variation in survivorship and recruitment of *Malaclemys terrapin* over three decades. 6th Symposium on the Ecology, Status and Conservation of Diamondback Terrapins. Seabrook Island, SC. September 13-15.
2. **Price, S.J.** §, J.C. Guzy and M.E. Dorcas. 2013. Detection and occupancy estimates of anuran amphibians: the manual calling survey and beyond. Symposia on detectability and studying rare species. Joint Meeting of Ichthyologists and Herpetologists. Albuquerque, NM. July 10-15.
1. Guzy, J.C. §, **S.J. Price** and M.E. Dorcas. 2013. Effects of damming on riparian zone reptiles and amphibians. Symposia on impact of energy development on amphibians and reptiles in North America. Joint Meeting of Ichthyologists and Herpetologists. Albuquerque, NM. July 10-15.

TEACHING AND ADVISING

Courses Taught

1. ***NRE 320. Natural Resources and Environmental Analysis: Costa Rica (3 credits)***

Summer 2019, Enrollment: 10

Overall Value of the Course: Threshold not met

Quality of Teaching: Threshold not met

Summer 2018, Enrollment: 12

Overall Value of the Course: Threshold not met

Quality of Teaching: Threshold not met

Summer 2017, Enrollment: 19

Overall Value of the Course: Threshold not met

Quality of Teaching: Threshold not met

Summer 2016, Enrollment: 13

Overall Value of the Course: Threshold not met

Quality of Teaching: Threshold not met

Summer 2014, Enrollment: 12

Overall Value of the Course 4.0/4.0 (College Mean =3.31)

Quality of Teaching: 4.0/4.0 (College Mean = 3.39)

Summer 2013, Enrollment: 19

Overall Value of the Course: 4.0/4.0 (College Mean = 3.5)

Quality of Teaching: 4.0/4.0 (College Mean = 3.5)

2. FOR 530. Freshwater Ecology (3 credits)

Fall 2017, Enrollment: 12

Overall Value of the Course (4.6/5.0) (College Mean = 4.3)

Quality of Teaching: 4.6/5.0 (College Mean = 4.2)

3. FOR 540. Urban Ecology (3 credits)

Fall 2014, Enrollment: 5

Overall Value of the Course (4.0/4.0) (College Mean = 3.37)

Quality of Teaching: 4.0/4.0 (College Mean = 3.42)

Fall 2013, Enrollment: 4

Overall Value of the Course (3.9/4.0) (College Mean = 3.5)

Quality of Teaching: 3.9/4.0 (College Mean = 3.5)

4. FOR 510. Herpetology (4 credits)

Spring 2021, Enrollment: 21

Overall Value of the Course: 4.8/5.0 (College Mean = 4.3)

Quality of Teaching: 5.0/5.0 (College Mean = 4.5)

Spring 2020, Enrollment: 24

Overall Value of the Course: 4.8/5.0 (College Mean = 4.4)

Quality of Teaching: 4.8/5.0 (College Mean = 4.5)

Spring 2019, Enrollment: 21

Overall Value of the Course 4.9/5.0 (College Mean = 4.2)

Quality of Teaching: 4.9/5.0 (College Mean = 4.4)

Spring 2018, Enrollment: 19

Overall Value of the Course 4.9/5.0 (College Mean = 4.2)

Quality of Teaching: 4.9/5.0 (College Mean = 4.4)

Spring 2017, Enrollment: 12

Overall Value of the Course 4.89/5.0 (College Mean = 4.41)

Quality of Teaching: 4.89/5.0 (College Mean = 4.27)

Spring 2016, Enrollment: 14

Overall Value of the Course 3.5/4.0 (College Mean = 3.35)

Quality of Teaching: 3.67/4.0 (College Mean = 3.48)

Spring 2015, Enrollment: 14
Overall Value of the Course 3.75/4.0 (College Mean = 3.35)
Quality of Teaching: 3.75/4.0 (College Mean = 3.39)

Spring 2014, Enrollment: 10
Overall Value of the Course 4.0/4.0 (College Mean = 3.31)
Quality of Teaching: 4.0/4.0 (College Mean = 3.39)

Spring 2013, Enrollment: 15
Overall Value of the Course 3.5/4.0 (College Mean = 3.5)
Quality of Teaching: 3.7/4.0 (College Mean = 3.5)

5. FOR 601 – Research Methods in Forestry (3 credits)

Fall 2020, Enrollment: 7
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Fall 2019, Enrollment: 3
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Fall 2018, Enrollment: 9
Overall Value of the Course 5.0/5.0 (College Mean = 4.3)
Quality of Teaching: 5.0/5.0 (College Mean = 4.2)

Fall 2017, Enrollment: 5
Overall Value of the Course 5.0/5.0 (College Mean = 4.3)
Quality of Teaching: 5.0/5.0 (College Mean = 4.2)

6. FOR 603 – Foundations in Forestry, Wildlife and Natural Resources

Fall 2020, Enrollment: 8
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

7. FOR 770 – University Forestry Teaching (1 credit)

Spring 2021, Enrollment: 3
Overall Value of the Course: pending
Quality of Teaching: pending

Fall 2020, Enrollment: 1
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Spring 2020, Enrollment: 2
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Fall 2019, Enrollment: 4
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Spring 2019, Enrollment: 2
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Fall 2018, Enrollment: 4
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

8. FOR 770 – Reptile and Amphibian Conservation and Management (1 credit)

Spring 2018, Enrollment: 6
Overall Value of the Course: Threshold not met
Quality of Teaching: Threshold not met

Spring 2016, Enrollment: 8
Overall Value of the Course 3.88/4.0 (College Mean = 3.35)
Quality of Teaching: 4.0/4.0 (College Mean = 3.48)

9. BIO 199 – STEMcats Research (1 credit)

Spring 2016, Topic: Herpetological Research, Enrollment: 1

10. FOR 781/791 – Research in Forestry

Spring 2021, Topic: Environmental DNA: Protocols and Assessment, Enrollment: 1 (3 credits)

Fall 2019, Topic: Capture-Mark-Recapture Analysis, Enrollment: 2 (2 credits)

Spring 2015, Topic: Population Analysis, Enrollment: 2 (2 credits)

Spring 2014, Topic: Estimating salamander occupancy and abundance, Enrollment: 1 (2 credits)

Spring 2013, Topic: Mark-recapture analyses, Enrollment: 1 (3 credits)

11. FOR 602 – Renewable Natural Resources in a Global Perspective (3 credits)

Fall 2019, Co-instructor responsible for 2 50-minute class sessions, Enrollment: 13

Fall 2017, Co-instructor responsible for three 50-minutes class sessions, Enrollment: 12

Fall 2015, Co-instructor responsible for three 50-minutes class sessions, Enrollment: 10

Fall 2013, Co-instructor responsible for three 50-minutes class sessions, Enrollment: 16

12. NRE 320. Natural Resources and Environmental Analysis: Robinson Forest (3 credits)

Spring 2020, Co-instructor responsible for a 6-hour class session; Enrollment: 4
Spring 2019, Co-instructor responsible for a 6-hour class session; Enrollment: 13
Spring 2018, Co-instructor responsible for a 6-hour class session; Enrollment: 15
Spring 2017, Co-instructor responsible for a 6-hour class session; Enrollment: 22
Spring 2016, Co-instructor responsible for a 6-hour class session; Enrollment: 17
Spring 2015, Co-instructor responsible for a 6-hour class session; Enrollment: 7
Spring 2014, Co-instructor responsible for a 6-hour class session; Enrollment: 22
Spring 2013, Co-instructor responsible for a 6-hour class session; Enrollment: 14

Student Advising and Committee Service

Undergraduate student advisees (17 students total, all in Natural Resources and Environmental Sciences program)

2017-2018: 4 students
2018-2019: 7 students
2019-2020: 7 students
2020-2021: 9 students

Graduate student advisees (12 students total, in Forestry, Forestry and Natural Resource Sciences and Biology MS and PhD programs)

Brenee' Muncy, M.S. Forestry, completed degree in 2014, co-major advisor with C.D. Barton

Thesis: Effects of mountaintop removal mining and valley fills on stream salamander communities.

Mickey Agha, M.S. Forestry, completed degree in 2015

Thesis: A long-term investigation of the federally threatened desert tortoise (*Gopherus agassizii*) at a winder energy facility in Southern California.

Mason Murphy, M.S. Biology, completed degree in 2016, co-major advisor with D.W. Weisrock

Thesis: Capture and population structure of *Necturus maculosus* in central and eastern Kentucky.

Sara Beth Freytag, M.S. Forest and Natural Resource Sciences, completed degree in 2016

Thesis: Effects of mountaintop removal mining on population dynamics of stream salamanders.

Christian Oldham, M.S. Forest and Natural Resource Sciences, completed degree in 2016

Thesis: Investigations in cryptic species: considerations and applications for estimating detection, occupancy, and abundance of semi-aquatic snakes.

Jennifer McKenzie, M.S. Forest and Natural Resource Sciences, completed degree August 2018

Thesis: Effects of snake fungal disease on behavior and survival in wild snake populations.

Jacob Hutton, M.S. Forest and Natural Resource Sciences, completed degree August 2018

Thesis: Effects of stream pollution on consumption of terrestrial prey subsidies by salamanders.

Michaela Lambert, M.S. Forest and Natural Resource Sciences, completed degree May 2020, co-major advisor with C.D. Barton

Thesis: Pond-breeding amphibian use of restored wetlands on a surface mine.

Drew White, M.S. Forest and Natural Resource Sciences, completed degree May 2020

Thesis: Food abundance modulates juvenile freshwater mussel (*Unionidae*) growth responses to the Asian Clam (*Corbicula fluminea*).

Andrew Ibach, M.S. Forest and Natural Resource Sciences, expected degree fall 2021

Thesis: Growth of two Natricine snake species: effects of site, sex and disease

Kathryn Greene, Ph.D. Biology, expected degree TBD, co-advised with J. Van Cleve (Biology)

Dissertation: Dispersal and gene flow across heterogeneous landscapes

Sarah Tomke, Ph.D. Forest and Natural Resource Sciences, expected degree TBD

Dissertation: Hellbenders in Kentucky: Monitoring and recruitment

Graduate Student Committee Service (13 students total)

University of Kentucky, Department of Forestry and Natural Resources

Sarah Hamilton (MS), Jena Nierman (MS), Allie Slusher (MS), Joe McDermott (MS), Caleb Haynes (MS), Sarah Hamilton (MS), Briana Snyder (MS), Allison Davis (PhD)

University of Kentucky, Department of Biology

Schyler Nunziata (PhD), Tom Maignet (PhD), Kara Jones (PhD), Eric Martinez (MS)

Eastern Kentucky University, Department of Biology

John Bourne (MS)

Independent Research and Internship Undergraduate Students (15)

Thirteen students, University of Kentucky, Natural Resources and Environmental Science (11), Animal Sciences (2)

One student, Northern Ohio University, sponsored through NSF REU to University of Kentucky, Department of Biology.

Student Awards

Kathryn Greene

- Kentucky Society of Natural History (\$1000)
- National Science Foundation Graduate Research Fellowship Program Recipient (\$34,000/yr for 3 years)
- Eller Billings Summer Research Mini-Grant, UK Appalachian Center (\$500)
- University of Kentucky Biology Department Summer Research Award 2018-2019 (\$4,333)
- Gertrude Flora Ribble Research Fellowship (\$2000)

Sarah Tomke

- Graduate School Congress Research Award (\$500)
- Red Barrington Scholarship Award (\$2000)
- Kerri Casner Environmental Sciences Fellowship (\$3770)
- Forestry Graduate Student Research Conference Travel Grant (\$500)
- Richards Graduate Student Research Activity Award (\$1500)
- UK Appalachian Center Eller and Billings Student Research Award (\$500)

Drew White

- Forestry Graduate Student Research Conference Travel Grant (\$1200)
- Forestry Graduate Student Research Conference Travel Grant (\$792)

Andrew Ibach

- Forestry Graduate Student Research Conference Travel Grant (\$364)

Brenee' Muncy

- Forestry Graduate Student Award for Excellence in Research, Academic Performance, and Service, awarded by the University of Kentucky, Department of Forestry
- Forestry Graduate Student Research Conference Travel Grant (\$612)
- Natural History/Biodiversity Grant, Kentucky Society of Natural History (\$500)
- Southeast Partners in Amphibian and Reptile Conservation Travel Award (\$50)

Christian Oldham

- Forestry Graduate Student Award for Excellence in Research, Academic Performance, and Service, awarded by the University of Kentucky, Department of Forestry

- Forestry Graduate Student Research Conference Travel Grant (\$755)

Mickey Agha

- National Science Foundation, Graduate Research Fellowship Program Honorable Mention
- Forestry Graduate Student Research Conference Travel Grant (\$367)
- Desert Legacy Fund, California Desert Research Program and Community Foundation (\$3200)

Mason Murphy

- Kentucky Academy of Science, Marcia Athey Grant (\$933)
- Society for Freshwater Science, Graduate Student Conservation Research Award (\$1000)
- Southeast Partners in Amphibian and Reptile Conservation Travel Award (\$50)
- Forestry Graduate Student Research Conference Travel Grant (\$180)
- Kentucky Society for Natural History (\$500)

Sara Beth Freytag

- Kentucky Society for Natural History (\$500)
- Eller Billings Summer Research Mini-Grant, UK Appalachian Center (\$500)
- Karri Casner Environmental Sciences Fellowship from the Tracy Farmer Institute for Sustainability and the Environment (\$1500)
- Kentucky Academy of Science, Marcia Athey Grant (\$1000)
- UK Forestry Department Travel Award (joint with J. McKenzie) (\$790.58)

Jennifer McKenzie

- American Society of Ichthyologists and Herpetologists, Gaige Award (\$800)
- Herpetologists' League, E.E. Cummings Grant – Honorable mention
- Eller Billings Summer Research, UK Appalachian Center (\$915)
- Chicago Herpetological Society (\$1000)
- Kentucky Wildlife Society (\$250)
- Kentucky Academy of Sciences, Marcia Athey Grant (\$1070.27)
- Association of Southeastern Biologist Graduate Student Travel Award (\$290)
- UK Forestry Department Travel Award (joint with S. Freytag) (\$790.58)

Jake Hutton

- Society for the Study of Amphibians and Reptiles Roger Conant Grants in Herpetology Program, Conservation of Amphibians and Reptiles (\$500)
- Eller Billings Summer Research, UK Appalachian Center (\$1000)
- Karri Casner Environmental Sciences Fellowship from the Tracy Farmer Institute for Sustainability and the Environment (\$1500)
- The EKU Division of Natural Areas' Grant-in-Aid of Student Research Program (\$192)

- Kentucky Academy of Science Marcia Athey Grant (\$1140)
- Society for Freshwater Science, Graduate Student Conservation Research Award (\$1000)
- Southeast PARC travel award (\$250)
- UK Forestry Department Travel Award (joint with M. Lambert) (\$433.90)
- UK Forestry Department Travel Award (joint with J. McKenzie, T. Maigret) (\$1384.80)

Michaela Lambert

- ESA Award for best student presentation
- Southeast PARC travel award (\$250)
- UK Forestry Department Travel Award (joint with J. Hutton) (\$433.90)
- 2016 - University of Kentucky Undergraduate Research award (\$2000)
- Selected to participate in NSF REU at Savannah River Ecology Lab

Mariah Lewis (undergraduate student)

- 2014 - University of Kentucky Undergraduate Research award (\$2000)

Jonathan Matthews (undergraduate student)

- 2016 - University of Kentucky Undergraduate Research award (\$2000)

EXTENSION AND OUTREACH ACTIVITIES (2013-present)

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

Marshall County High School, West Kentucky Wildlife Management Area (April 1, 2020) - 32 students

KY State Fair - Ashely Osborne (4-H, August 21, 2019) and Carol Spence (College of Ag Communications, August 19, 2019) ~ 700 participants

Marshall County High School, West Kentucky Wildlife Management Area (May 13-15, 2019; September 9-11, 2019) - 100 students

UK Sustainability Fair at Greg Page (September 4, 2019) ~ 200 students

Science Fair for home-school group (January 7, 2019) ~75 students

Mason Co. elementary school with (Mason Co. extension- Macy Fawns; March 7, 2019 – K-5) ~ 200 students

UK Arboretum – Children’s Garden – (April 6, 2019) Spectacular Spring- 100 children and families

UK Arboretum – Arbor Day – (April 27, 2019) - 100 children and families

Yates Elementary Family Science Night (April 25, 2019) ~ 300 K-5th graders

UK Arboretum Children’s Garden - (July 13, 2019) – Sizzling Summer - 50 children

UK Arboretum Children’s Garden – (October 5, 2019) – Amazing Autumn - 50 children

KY State Fair - (August 22-23, 2018) Ashely Osborne (4-H) and Carol Spence (College of Ag Communications) ~ 600 general public

Mountain Ag Youth Day (September 18, 2018) - Robinson Forest (Laurie Taylor-Thomas- Extension) ~ 300 high school students

Marshall County High School, West Kentucky Wildlife Management Area (October 15-17, 2018, November 12-14, 2018) - Two day workshop with 50 students.

Floracliff Field Studies Workshop - Herpetology. September 16-17, 2017. - Two day workshop with 20 students. Co-taught with S. Richter (EKU), A. Drayer

Reptiles and Amphibians of Kentucky. Kentucky State Fair. August 2017. - 400 attendees

Reptiles and Amphibians in Kentucky’s Forests. Kentucky Wood Expo. September 2017 - 200 attendees

Robinson Forest Field Day. June 7, 2017. - 150 attendees.

Reptiles and Amphibians. Robinson Center Mountain Ag Field Day. October 2016. - 200 people.

Reptiles and Amphibians of Kentucky. Kentucky State Fair. August 2016. - 400 attendees

Reptiles and Amphibians in Kentucky’s Forests. Kentucky Wood Expo. September 2015. - 300 attendees, including approximately 70 middle school students.

Reptiles and Amphibians in Kentucky. Kentucky State Fair. August 2015. - 200 attendees

Reptiles and Amphibians in Kentucky. Floracliff and Maywoods Bioblitz event. Fayette and Garrard Counties, KY, June 2015. - 70 attendees.

Select Extension Activities

From the Woods (UK Forestry Extension)

From the Woods (UK Forestry Extension). Episode 31 The Stories Trees Tell, Snake ID. <http://forestry.ca.uky.edu/episode/woods-today-growth-rings>

From the Woods (UK Forestry Extension). Episode 31 Snakes. <https://forestry.ca.uky.edu/episode-31-snakes>

From the Woods (UK Forestry Extension). Episode 17 Deer, Wildlife Sounds of the Forest. <https://forestry.ca.uky.edu/episode-17-deer>

From the Woods (UK Forestry Extension). Episode 14 Turkeys, Wildlife Sounds of the Forest. <https://forestry.ca.uky.edu/episode-14-turkeys>

From the Woods (UK Forestry Extension). Episode 12 Herpetology. <https://forestry.ca.uky.edu/episode-12-herpetology>

KYH2O (UK CAFE Podcast about all things water)

KYH2O. Salamander Sleuths, Part 2. <https://kyh2o.podbean.com/e/salamander-sleuths-part-2/>. 4 March, 2019.

KYH2O. Salamander Sleuths, Part 1. <https://kyh2o.podbean.com/e/salamander-sleuths-part-1/>. 18 February, 2019.

SERVICE AND RECOGNITION

Reviewer Service (Total since arrival at UK: 42)

The American Midland Naturalist (1), Biology (1), Biological Conservation (4), Conservation Physiology (1), Copeia (2), Ecology (1), Forest Ecology and Management (1), Herpetologica (2), Herpetological Conservation and Biology (7), Herpetological Review (3), Hydrobiologia (1), Journal of Applied Ecology (1), Journal of Herpetology (3), Journal of North American Herpetology (1), Journal of Wildlife Management (2), Landscape and Urban Planning (2), Northeast Naturalist (2), The American Midland Naturalist (1), Wetlands (1), Wildlife Society Bulletin (2), Urban Ecosystems (2), University of West Virginia Press(1)

Current Professional Affiliations

Association of Southeastern Biologists (2003-present), 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 – Kentucky Chapter (2014-present), The Wildlife Society (2018-present)

Awards (Total to date: 3)

2. Senior Research Award, Association of Southeastern Biologists (2016)
1. A Teacher Who Made a Difference Award, University of Kentucky (2014, 2015)

University Committee Service

Chair, Research Committee (UK, Forestry and Natural Resources) (2015-2017)
Undergraduate Committee (UK, Forestry and Natural Resources) (2017-present)
Outreach Committee (UK, Forestry and Natural Resources) (2012-present)
Seminar Committee (UK, Forestry and Natural Resources) (2015-present)
Graduate Committee (UK, Forestry and Natural Resources) (2013-2014, 2016-present)
Natural Resources and Environment Science Steering Committee (2017-present)
Ecological Research and Education Center (UK, Biology) Steering Committee (2018-present)