

Curriculum vitae of

Steven J. Price

Department of Biology, Davidson College

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Education

Ph.D., Biology, In Progress, Wake Forest University

Dissertation title: Resistance and Resilience of Stream Salamander Populations to Disturbance: Investigations Across Spatial and Temporal Scales

Advisor: Dr. Robert Browne

M.S., Environmental Science and Policy, University of Wisconsin-Green Bay

Thesis title: Anuran-Habitat Associations in Coastal Wetlands of the Western Great Lakes

Advisor: Dr. Robert Howe

Graduated August 2003

B.S., Biology and Environmental Science, University of Wisconsin-Green Bay

Major: Biology, emphasis- Animal and Field Biology

Major: Environmental Science, emphasis –Biological and Ecological Resource Management

Graduated December 2000

Research Interests

- Disturbance Ecology
- Landscape Ecology
- Conservation Biology
- Population Ecology
- Life History Evolution
- Herpetology
- Habitat Selection
- Animal Movement/Dispersal/Migration
- Management and Monitoring

Work Experience

2008/2009 - Visiting Instructor of Biology, Davidson College, Davidson NC

2006-present - Database Manager, Carolina Herp Atlas, Davidson College Herpetology Lab, Davidson NC

2004-present - Research Coordinator, Davidson College Herpetology Lab, Davidson, NC

2004 - Research Scientist, Wisconsin Department of Natural Resources, Green Bay WI

2003 - Assistant Field Biologist, Peshtigo River reptile and amphibian survey, Milwaukee Public Museum, Milwaukee WI

2001-2003 - Team Leader, Great Lakes Environmental Indicators Project (birds/amphibians), University of Wisconsin-Green Bay, Green Bay WI

2001-2003 - Graduate Research Assistant, Cofrin Center for Biodiversity, University of Wisconsin-Green Bay, Green Bay WI

2000-2003 - Museum Assistant, Richter Museum of Natural History, University of Wisconsin-Green Bay, Green Bay WI

2001 - Vertebrate Zoology Assistant, Herpetology, Milwaukee Public Museum, Milwaukee WI

2001 - Field Research Technician, McCaslin Mountain bird surveys, Contractee for U.S. Forest Service via University of Wisconsin-Green Bay, Green Bay WI

2000 - Wildlife Technician, United States Fish and Wildlife Service, Green Bay WI

Teaching Experience

2009 – Co-Instructor w/ M. Dorcas, Group Investigations in Herpetology, Davidson College, Davidson NC

2008/2009 – Visiting Instructor (Lecture and Lab), Biology 112, Organisms, Evolution and Ecosystems, Davidson College, Davidson NC

2007 - Co-Instructor w/ M. Dorcas, Group Investigations in Herpetology, Davidson College, Davidson NC

2005, 2006 - Co-Instructor w/ M. Dorcas, Amphibian and Reptile Conservation, Davidson College, Davidson NC

2003 - Instructor, Mammalogy laboratory, University of Wisconsin-Green Bay, Green Bay WI

Publications (* denotes undergraduate student author)

Books/Book Chapters

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.

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 Pp 535-540.

Price, S. J. 2008. Painted turtle, *Chrysemys picta*. J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliot, (eds.), The Amphibians and Reptiles of Georgia. University of Georgia Press.

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.

Price, S. J. 2004. Sea Turtles. Pp. 1106-1108. In Encyclopedia of World Environmental History. ed. S. Krech III, J. R. McNeill and C. Metchant (eds.), Berkshire Publishing Group, Great Barrington, MA.

Publications in Peer-reviewed Journals

Cecala, K.K.*, S.J. Price and M.E. Dorcas. *In press*. Ecology of juvenile northern watersnakes (*Nerodia sipedon*) inhabiting low-order streams. Amphibia-Reptilia

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.

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.

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.

- 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.
- 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.
- Price, S. J., R. W. Howe, J. Hanowski, R. R. Regal, G. J. Niemi, and C. R. Smith. 2008. Are anurans of Great Lakes coastal wetlands reliable indicators of ecological condition? *Journal of Great Lakes Research* 33(Special Issue 3): 211-223.
- 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.
- Cecala, K. K. *, S. J. Price, and M. E. Dorcas. 2007. *Pseudotriton ruber ruber*. Polymelia. *Herpetological Review* 38:434.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- Kornilev, Y. K.*, S. J. Price, E. P. Hill*, and M. E. Dorcas. 2006. *Ambystoma maculatum*. Mortality. Herpetological Review 37: 196.
- 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.
- Kirlin, 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.
- 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.
- 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.
- Price, S. J. and J. M. Jaskula. 2005. *Hemidactylium scutatum*. Nesting Ecology. Herpetological Review. 36(2):159
- Price, S. J. and J. M. Jaskula. 2005. *Hemidactylium scutatum*. Terrestrial Microhabitat. Herpetological Review. 36(2):159.
- Price, S. J. and J. M. Jaskula. 2002. *Hemidactylium scutatum*. Record Size. Herpetological Review. 33(4):298.
- Price, S. J. 2000. Geographic Distribution. *Hemidactylium scutatum*. Herpetological Review. 31(4):249.

Selected Scientific Presentations

- Price, S.J. and M.E. Dorcas. 2009. Scale-dependent responses to forest cover and insights on the influence of land-use history on stream salamander populations. Southeast PARC annual meeting. Montreat, NC. 19-22 February.
- Price, S.J. and M.E. Dorcas. 2008. Factors at spatial and temporal scales influence stream salamander abundances in streams of the western Piedmont of North Carolina. Paper Presentation. 69th Annual Meeting of the Association of Southeastern Biologists. Spartanburg, South Carolina. 16 - 19 April.

Price, S.J. and M.E. Dorcas. 2008. The Carolina Herp Atlas: A citizen science approach to reptile and amphibian monitoring. Poster Presentation. 69th Annual Meeting of the Association of Southeastern Biologists. Spartanburg, South Carolina. 16 - 19 April.

Price, S.J. and M.E. Dorcas. 2008. The Carolina Herp Atlas: A citizen science approach to reptile and amphibian monitoring. Poster Presentation. Southeast PARC annual meeting. Athens GA. 21-24 February.

Price, S. J. 2008. The Frogs and Toads of North Carolina. CASP Workshop Presentation. Davidson College, Davidson, North Carolina. 26 January.

Price, S. J., K. K. Cecala, and M. E. Dorcas. 2007. Dynamic landscapes and the conservation of stream salamanders. Paper Presentation. Joint Meeting of Ichthyologists and Herpetologists. St. Louis, Missouri. 11-16 July.

Price, S. J, T. Penev, and M. E. Dorcas. 2007. The Carolina Herp Atlas. Paper Presentation. South Carolina Herpetology Conference. Columbia, South Carolina. 2 June.

Price, S. J. and M. E. Dorcas. 2007. Do land-use legacies affect contemporary abundance patterns of semi-aquatic reptiles and amphibians. Paper Presentation. 68th Annual Meeting of the Association of Southeastern Biologists. Columbia, South Carolina. 18 - 21 April.

Price, S.J. 2007. Marking techniques for reptiles and amphibians. Workshop Presentation. Meeting of the North Carolina Partners in Amphibian and Reptile Conservation Chapter. Brown Summit, NC. 21-22 March.

Price, S. J. and M. E. Dorcas. 2007. Using the past to predict the future: land-use legacies and reptile and amphibian conservation. Paper Presentation. Southeast PARC annual meeting. Chattanooga, Tennessee. 22-25 February.

Price, S. J. 2007. The Frogs and Toads of North Carolina. CASP Workshop Presentation. Davidson College, Davidson, North Carolina. 10 February.

Price, S. J. and M. E. Dorcas 2006. Stream salamanders and urbanization: Patterns, predictions and preliminary results from a landscape-scale experiment. Paper Presentation. Fall Meeting of the North Carolina Herpetological Society. Raleigh, NC. 4 November.

Price, S. J., J. M. Hester, and M. E. Dorcas. 2006. Habitat use by resident and relocated eastern box turtles. Paper Presentation. 67th Annual Meeting of the Association of Southeastern Biologists. Gatlinburg, Tennessee. 30 March - 1 April.

Price, S. J. 2006. The Frogs and Toads of North Carolina. Workshop Presentation. Meeting of the North Carolina Partners in Amphibian and Reptile Conservation Chapter. Brown Summit, NC. 15-16 March.

Price, S. J., M. E. Dorcas, A. L. Gallant, R. W. Klaver and J. D. Willson. 2005. Three decades of urbanization: Estimating the impact of land cover change on stream salamander populations. Paper Presentation. Joint Meeting of Ichthyologists and Herpetologists. Tampa, Florida. 6-11 July.

Price, S. J., M. E. Dorcas, A. L. Gallant, R. W. Klaver and J. D. Willson. 2005. Impact of land cover change on stream salamander populations in the Piedmont of the eastern United States. Paper Presentation. 66th Annual Meeting of the Association of Southeastern Biologists. Florence, Alabama. 13-16 April.

Price, S. J., M. E. Dorcas, A. L. Gallant, R. W. Klaver and J. D. Willson. 2005. Estimating the impact of land cover change on stream salamander populations. Paper Presentation. North Carolina Chapter - The Wildlife Society Annual Meeting. Greensboro, North Carolina. 8-9 February.

Price, S.J., D.R. Marks, R.W. Howe, J.M. Hanowski, and G.J. Niemi. 2003. The effects of spatial scale on indicator development for amphibians and birds in Great Lakes coastal wetlands. Poster Presentation. Third Annual Conference of the Estuarine and Great Lakes Initiative, U.S. Environmental Protection Agency Science to Achieve Results (STAR) Program. Bodega Marine Laboratory, Bodega, CA.. 4-7 December.

Price, S. J. 2003. Anuran-habitat associations in coastal wetlands of the western Great Lakes: The role of habitat and scale in biological indicator development. Poster Presentation. Seventeenth Annual Meeting of the Society for Conservation Biology. Duluth, Minnesota. 29 June – 2 July.

Price, S. J. and M. G. Stiefvater. 2002. Wildlife-related research at UW-Green Bay. Paper Presentation. Wisconsin Chapter-The Wildlife Society Annual Meeting, Madison, Wisconsin.

Price, S. J. and J. M. Jaskula. 2002. Terrestrial spatial patterns of a pond-breeding amphibian assemblage at Toft Point State Natural Area. Paper Presentation. Annual Cofrin Research Symposium, Green Bay, Wisconsin.

Price, S. J. and R. D. Japuntich. 2001. The herpetofauna of the UW-Green Bay natural areas. Paper Presentation. Annual Cofrin Research Symposium, Green Bay, Wisconsin.

Students Supervised/Co-supervised

Independent Research Students (Davidson College) - Bill Johnson, Michelle Gooch, Michelle Kirlin, Joy Hester, Yurii Kornilev, Betsy Failey, Clint McCoy, Kristen Cecala, Leigh Anne

Harden, Nick DiLuzio, Caitlin Westfall, Wesley Anderson, Shannon Pittman, Amy Jendrek, Grant Connette, Devynn Birx-Raybuck, Lynea Witzczak

Davidson Research Initiative Students – Evan Eskew (Davidson College), Breanna Fonville (Central Carolina University), Charlotte Steelman (Davidson College), Amber Lassiter (North Carolina A & T)

Research Experience for Undergraduate Students – Aubrey Heupel (Iowa State University), Chad Jennison (University of Georgia)

Honors/Awards

Thomson Learning Brooks/Cole Student Research Award in Aquatic Biology. 69th Annual Meeting of the Association of Southeastern Biologists. Spartanburg, South Carolina. 16 - 19 April. 2008

Outstanding Thesis Award. University of Wisconsin-Green Bay. 2003.

Undergraduate Environmental Sciences Scholarship. University of Wisconsin-Green Bay. 1999.

Undergraduate semester honors or high honors four times. University of Wisconsin-Green Bay. 1996-2000.

Professional Service and Affiliations

Memberships: The Wildlife Society, Society for the Study of Amphibians and Reptiles, Partnership for Amphibian and Reptile Conservation, North Carolina Herpetological Society, Association of Southeastern Biologists

Referee: Herpetologica, Journal of Herpetology, Copeia, Southeastern Naturalist, Wetlands, Journal of Wildlife Management, Conservation Biology, Natural Areas Journal