

BRUCE A. KINGSBURY

Professor, Department of Biology
Director, Center for Reptile and Amphibian Conservation and Management

Condensed Vita 2012

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Synopsis:

I direct the Center for Reptile and Amphibian Conservation and Management, or “Herp Center”, one of the original Centers of Excellence on campus. In terms of research, I have combined my expertise in reptile ecology with an interest in the environment to develop a research program that focuses on the conservation of endangered reptiles. I am one of the leaders in this field in the Midwest, and my research group is involved in numerous empirical and applied studies throughout the region on snakes, turtles, and wetlands. At the Herp Center, in addition to conducting research, we develop and provide a variety of conservation materials in hard copy and for the Internet, and also assist with various computer and GIS-related projects.

Professional and Educational History:

2011 Professor of Biology, Department of Biology, IPFW
2003 Professor and Chair, Department of Biology, IPFW
2000 Director, Center for Reptile and Amphibian Conservation and Management, IPFW
1998 Associate Professor, Department of Biology, IPFW
1992 Assistant Professor, Department of Biology, IPFW
1992 Visiting Assistant Professor, Drexel University, Philadelphia, PA. Environmental Biology
1991 Betz Postdoctoral Fellow: with Dr. James R. Spotila, Drexel University, Philadelphia, PA
1991 Ph.D., Biology: with Dr. Vaughan H. Shoemaker, University of California, Riverside, CA
1990 Lecturer, University of California, Riverside, CA. Comparative Morphology
1987 M.S., Biology: with C. O'Neil Krekorian, San Diego State University, San Diego, CA
1981 B.A., Biology: Pomona College, Claremont, CA

Awards:

In 2009, I was selected to be a Pippert Research Scholar and College of Arts and Sciences Distinguished Lecturer. I have acquired substantial funding to support my research and conservation efforts. I have brought over 60 grants totaling more than two million dollars to IPFW in *external* support for my activities.

Selected Most Recent Publications and Productions:

Peer-Reviewed Articles

- DeGregorio, B. A. B. Putman and **B. A. Kingsbury**. 2011. A Comparison of Macrohabitat Selection Metrics: Which is More Applicable to Snakes? *Herpetological Conservation and Biology* 6: 372-382.
- DeGregorio, B. A. J. V. Manning, N. Bieser and **B. A. Kingsbury**. 2011. The spatial ecology of the Eastern Massasauga (*Sistrurus c. catenatus*) in northern Michigan. *Herpetologica* 67: 71-79.
- Roe, J.H., M.R. Frank, S. C. Gibson, O. Attum, and **B.A. Kingsbury**. 2010. No place like home: an experimental comparison of reintroduction strategies using snakes. *Journal of Applied Ecology* 47: 1253-1261.
- Attum, O., W. Farag, S. M. Baha El Din, and **B. Kingsbury**. 2010. Retention rate of hard-released translocated Egyptian tortoises *Testudo kleinmanni*. *Endangered Species Research* 12:11–15.
- Attum, O., Y. Lee, and **B. A. Kingsbury**. 2009. The Status of the Northern Population of the Copper-bellied Watersnake, *Nerodia erythrogaster neglecta*. *Northeastern Naturalist* 16:317–320.
- Marshall, J. C., Jr., **B. A. Kingsbury**, D. J.Minchella. 2009. Microsatellite Variation, population Structure, and bottlenecks in the threatened copperbelly watersnake. *Conservation Genetics* 10: 465-476.
- Attum, O., B. Rabea, S. Osman, S. Habinan, S. Baha El Din, **B. Kingsbury**. 2008. Conserving and tracking tortoises: A local community visual tracking or radio-tracking approach? *Journal of Arid Environments* 72: 671-676.
- Attum, O., Y. M. Lee, J. H. Roe and **B. A. Kingsbury**. 2008. Wetland complexes and upland–wetland linkages: landscape effects on the distribution of rare and common wetland reptiles. *Journal of Zoology* 275: 245-251.
- Cooper, W. E., O. Attum, and **B. Kingsbury**. 2008. Escape behaviors and flight initiation distance in the common water snake *Nerodia sipedon*. *Journal of Herpetology* 42: 493-500.
- Attum, O., M. Esawy, W. Farag, A. Gad, S. Baha El Din, **B. Kingsbury**. 2007. Returning them back to the wild: Movement patterns of repatriated Egyptian tortoises. *Zoology in the Middle East* 41: 35-40.
- Attum, O., Y. M. Lee, J. H. Roe and **B. A. Kingsbury**. 2007. Upland–wetland linkages: relationship of upland and wetland characteristics with watersnake abundance. *Journal of Zoology* 271: 134–139.
- Attum, O., Y. M. Lee, J. H. Roe and **B. A. Kingsbury**. 2007. Upland–wetland linkages: relationship of upland and wetland characteristics with watersnake abundance. *Journal of Zoology* 271: 134–139.
- Roe, J. H., J. K. Gibson, and **B. A. Kingsbury**. 2006. Beyond the wetland border: estimating the impact of roads for two species of watersnakes. *Biological Conservation* 130: 161-168.

- Marshall, J. C., Jr., J. M. Manning, and **B. A. Kingsbury**. 2006. Movement and macrohabitat selection of the Eastern Massasauga in a fen habitat. *Herpetologica* 62: 141-150.
- Roe, J. H., **B. A. Kingsbury**, N. R. Herbert. 2004. Comparative water snake ecology: conservation of mobile animals that use temporally dynamic resources. *Biological Conservation* 118: 79-89.
- Roe, J. H., **B. A. Kingsbury**, N. R. Herbert. 2003. Wetland and upland use patterns in the semi-aquatic snakes: implications for wetland conservation. *Wetlands* 23(4): 1003-1014.

Books and Book Chapters

- Kingsbury, B. A.** *In progress*. A Field Guide to the Reptiles and Amphibians of Indiana. Indiana University Press, Bloomington, Indiana.
- Kingsbury, B. A.** Copper-bellied Watersnake. *In review*. In Davis JD, Lipps GJ, Matson TO, Pflingsten RA, Wynn DE (editors). Amphibians and Reptiles of Ohio. Ohio Biological Survey, Columbus, Ohio, USA. Projected publication date, 2012.
- Kingsbury, B. A.**, J. Gibson, and contributors. *In layout*. "Habitat Management Guidelines for Amphibians and Reptiles of the Midwest", 2nd ed.
- Whitaker, Jr., J. O, and C. J. Amlaner, eds. *In press*. Habitats and Ecological Communities of Indiana: Pre-settlement to Present. Indiana University Press, Bloomington, Indiana. I am the herpetologist on the team. Planned print date, 2012.
- Kingsbury, B. A.** and O. Attum. 2009. Conservation Strategies: Captive breeding, translocation, and repatriation. Pp: 201-220, in: Snakes: Ecology and Conservation, S. Mullin and R. Seigel, eds. Cornell University Press. 365 pp.
- Jenkins, C., C. R., Peterson and **B. A. Kingsbury**. 2009. Modeling Snake Distribution and Habitat. Pp: 123-148, in: Snakes: Ecology and Conservation, S. Mullin and R. Seigel, eds. Cornell University Press. 365 pp.
- Kingsbury, B. A.** and C. A. Tansy. 2008. Copperbelly Water Snake (*Nerodia erythrogaster neglecta*) Recovery Plan. US Fish and Wildlife Service. 58 pp. plus appendices.
- Gibson, S. E., Z. J. Walker, and **B. A. Kingsbury**. 2008. Microhabitat preferences of the Timber Rattlesnake (*Crotalus horridus*) in the Hardwood Forests of Southern Indiana. *In: Biology of the Rattlesnakes*, K. R. Beaman, S. P. Bush, M. D. Cardwell, and W. K. Hayes, eds., pp. 275-286.
- Williams, R. N., B. MacGowan, **B. A. Kingsbury**, and Z. J. Walker. 2006. "Salamanders of Indiana." Purdue University Extension and the Indiana Department of Natural Resources.
- MacGowan, B., **B. A. Kingsbury**, and R. N. Williams. 2005. "Turtles of Indiana" Purdue University Extension and the Indiana Department of Natural Resources. 63 pp.

Presentations:

My students and I routinely give professional presentations some 5-10 times a year at universities, national and regional meetings on topics including ecological requirements of imperiled reptiles, wetland conservation, and land management.