

## **BRUCE A. KINGSBURY**

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

Condensed Vita Spring 2009

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### **Synopsis:**

I chair the Department of Biology at IPFW, one of the largest and most complex on campus. I also 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 we develop and provide a variety of conservation materials in hard copy and for the Internet, and also assist with computer and GIS-related projects.

### **Professional and Educational History:**

- 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

## Most Recent Publications and Productions:

### Peer-Reviewed Articles

- 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., S. Baha El Din, S. Carranza, R. Earley, E.N. Arnold, and **B. Kingsbury**. 2007. An evaluation of the taxonomic validity of *Testudo wernerii*. *Amphibia-Reptilia* 28: 393-401.
- 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**, and M. A. Myers. 2005. *Nerodia erythrogaster neglecta* (Copper-bellied Watersnake) foraging behavior. *Herpetological Review* 36: 70.
- 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.

## 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.**, J. Gibson, and contributors. *In review*. "Habitat Management Guidelines for Amphibians and Reptiles of the Midwest", 2<sup>nd</sup> ed. John O. Whitaker, Jr., George R. Parker, Charles J. Amlaner, and Susan M. Berta, eds. *In press*. Habitats and Communities of Indiana: Pre-settlement to Present. Indiana University Press, Bloomington, Indiana. I am the herpetologist on the team.
- 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.

## **Funding for Research and Outreach:**

I am very successful at acquiring funding for 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.

## **Presentations:**

My students and I routinely give professional presentations some 10-15 times a year at universities, national and regional meetings. Topics include ecological requirements of copperbelly water snakes, eastern massasaugas, timber rattlesnakes, Blanding's and spotted turtles; conservation of reptiles and other nongame species on public and private lands; and conservation issues in Indiana and the Midwest. We also provide a variety of presentations to nonprofessional groups and schools as part of our outreach efforts.