

Jesse W. Ray

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Education:

M.S. (2009). Biological Sciences
Northern Illinois University, DeKalb, IL

B.S. (2007). Biological Sciences.
Northern Illinois University, DeKalb, IL

Professional Experience:

Graduate Research Assistant
The Institute for Ecological, Earth, and Environmental Sciences
Baylor University, Waco TX
Aug 2010 to Present

Adjunct Faculty of Biology
Kishwaukee College, Malta IL
Division of Math, Education, Science and Health
January 2008 to May 2010

Lab Technician
Northern Illinois University, DeKalb IL
Department of Biological Sciences
Aug 2009 to May 2010

Graduate Teaching Assistant
Northern Illinois University
Department of Biological Sciences
August 2008 to December 2009

Lab Technician
Northern Illinois University, DeKalb IL
Department of Biological Sciences
June 2007 to Jan 2008

Research Experience:

Technical: Extensive experience in DNA extractions and PCR amplifications of protein coding and nuclear microsatellite markers. Experience in the analysis and interpretation of genetic data. Proficient in numerous computer programs used in the analysis of genetic and geographic data including MEGA, PAUP, MaxEnt, TCS, Geneious, Geneland, BEAST, and DnaSP.

Conservation: Four years of experience in the conservation of threatened and endangered snake species, including field and laboratory work. Experience in conducting genetic analyses of endangered species to aid Species Survival Plans, Association of Zoos and Aquariums captive breeding programs, and the management of wild populations. Five years of field experience in sampling federal and state listed species, including visual encounter surveys, cover board arrays, mark-recapture programs, and drift fencing.

Publications:

Husemann, M., **J. Ray**, and A. Hochkirch. (2011). A revision of the subgenus *Parasphingonotus* Benediktov and Husemann, 2009 (Orthoptera: Oedipodinae: Sphingonotini). *Zootaxa* 2916:51-61.

Robinson, J.W. and **J. Ray**. (2008). *Ophedrys vernalis* (Smooth Green Snake). Geographic Distribution. *Herpetological Review*, 39.

Awards and Honors:

C. Gus Glasscock Jr. Endowed Fund for Excellence in Environmental Sciences. 2011. \$7993

Folmar Research Fund. 2011. \$950

Graduated Summa Cum Laude (MS). 2009

George Terwilliger Scholarship. 2009. \$750

Graduated Summa Cum Laude (BS). 2007.

Departmental Honors in Biological Sciences. 2007.

USOAR Undergraduate Research Grant. 2007. \$2500

Gerrold Zar Scholarship for the Biological Sciences. 2007. \$1500