

CLINT ROBERT VINCENT OTTO

- Contact: United States Geological Survey
Northern Prairie Wildlife Research Center
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- Education: Ph.D. 2008-2012
Michigan State University (MSU)
Degrees: Fisheries and Wildlife
Ecology, Evolutionary Biology, and Behavior
Dissertation Title: The impact of timber harvest on wildlife distribution patterns and population vital rates: Does structural retention ameliorate the negative effects of clearcutting? Completed: July 2012.
- Graduate, M.S. Degree, 2003-2006
Towson University, Towson, MD
Degree: Biology
Thesis Title: The influences of wetland and landscape characteristics on the distribution of carpenter frogs in the northern extent of their range. Completed: May 2006.
- Undergraduate, B.S. Degree, 1998-2003
University of Wisconsin-Stevens Point (UWSP), Stevens Point, WI
Major: Biology Minor: Chemistry
- Publications: **Otto, C.R.V.** and G. J. Roloff. 2012. Songbird response to green-tree retention prescriptions in harvested forests. *Forest Ecology and Management*, 284:241-250
- Otto, C.R.V.** and G. J. Roloff. 2011. Using Multiple Methods to Assess Detection Probabilities of Forest-Floor Wildlife. *Journal of Wildlife Management*, 75:423-431.
- Otto, C.R.V.** and G. J. Roloff. 2011. Comparing Cover Object and Leaf Litter Surveys for Detecting Red-backed Salamanders, *Plethodon cinereus*. *Journal of Herpetology*, 45:256-260.
- Otto, C.R.V.**, J.W. Snodgrass, D.C. Forester, J.C. Mitchell, and R. Miller. 2007. Climatic variation and the distribution of an amphibian polyploid complex. *Journal of Animal Ecology*, 76:1053-1061.

Otto, C.R.V., D.C. Forester, and J.W. Snodgrass. 2007. Influences of wetland and landscape characteristics on the distribution of carpenter frogs. *Wetlands*, 27:261-269.

Published Notes: **Otto, C.R.V.** 2007. Cover Illustration/Natural History of *Hyla leucophyllata*. *Herpetological Review*, 38:369.

Otto, C.R.V., and G. Miller. 2004. Predation attempt of the green palm snake, *Phylodryas viridissimus* (Colubridae). *Herpetological Review*, 35:277.

Oral Presentations: **Otto, C.R.V.**, G.J. Roloff, and R. Thames. 2012 Patterns and vital rates of a terrestrial salamander following timber harvest: Does structural retention ameliorate the effect of clearcutting? The Wildlife Society. Portland, OR.

Otto, C.R.V., L.L. Bailey, and G. J. Roloff. 2012. Improving Occupancy Estimation When Sampling Disturbances and Animal Movements Violate the Closure Assumption. Michigan State University Graduate Research Symposium, East Lansing, MI.

Otto, C.R.V. and G. J. Roloff. 2011. Coarse Woody Debris Surveys Reveal Sampling Disturbance Effects and Seasonal Occupancy Differences of Red-Backed Salamanders. Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN.

Otto, C.R.V. and G. J. Roloff. 2011. Using Multiple Methods to Assess Detection Probabilities of Forest-Floor Wildlife. Michigan State University Graduate Research Symposium, East Lansing, MI.

Otto, C.R.V. and G. J. Roloff. 2011. Using Multiple Methods to Assess Detection Probabilities of Forest-Floor Wildlife. Michigan Chapter of the Wildlife Society, Petoskey, MI.

Otto, C.R.V. and G. J. Roloff. 2010. Using Multiple Methods to Assess Detection Probabilities of Forest-Floor Wildlife. The Wildlife Society, Salt Lake City, UT.

Otto, C.R.V. and G. J. Roloff. 2010. Do Repeated Cover Object Surveys Cause Local Extinction of Red-backed Salamanders? Joint Meeting of Ichthyologists and Herpetologists, Providence, RI.

Otto, C.R.V. 2009. Wildlife Occupancy in Clearcut Forests: Testing the Effectiveness of Variable Retention Harvest Prescriptions. Prospective Research. Michigan State University Graduate Research Symposium, East Lansing, MI.

Otto, C.R.V., J. W. Snodgrass, and D. C. Forester. 2008. Using Mesocosms to Study Niche Partitioning in the Gray Treefrog Complex: Relationships Between Distribution and Climate. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO.

Otto, C.R.V., J.W. Snodgrass, D.C. Forester, J.C. Mitchell, and R. Miller. 2007. Climatic Variation and the Distribution of the Gray Treefrog Complex. Joint Meeting of Ichthyologists and Herpetologists, Tampa Bay, FL.

Otto, C.R.V., D.C. Forester, and J.W. Snodgrass. 2006. Influences of Wetland and Landscape Characteristics on the Distribution of Carpenter Frogs. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.

Otto, C.R.V., J.W. Snodgrass, D.C. Forester, J.C. Mitchell, and R. Miller. 2006. Climatic Variation and the Distribution of the Gray Treefrog Complex. Graduate Student Research Symposium, Towson University, MD.

Otto, C.R.V., J.W. Snodgrass, D.C. Forester, J.C. Mitchell, and R. Miller. 2005. Climatic Variation and the Distribution of an amphibian polyploid complex. Northeastern Ecology and Evolution Conference, Penn State, PA.

Otto, C.R.V., D.C. Forester, and J.W. Snodgrass. 2005. Influences of Wetland and Landscape Characteristics on the Distribution of Carpenter Frogs. North Carolina Herpetological Society, Wilmington, NC.

Otto, C.R.V., D.C. Forester, and J.W. Snodgrass. 2005. Influences of Wetland and Landscape Characteristics on the Distribution of Carpenter Frogs. Graduate Student Research Symposium, Towson University, MD.

Wild, E. R., Crnobrna, B., Fuehrer, T. E., Miller, G., and Miller, S., **Otto, C.R.V.** 2003. Sitting Quietly: Observations of Mating Behavior of the Amazonian Leaf Frog, *Agalychnis craspedopus*. Undergraduate Research Symposium, University of Wisconsin Stevens Point, WI.

Otto, C.R.V. and E. R. Wild. 2003. Erythrocyte size as a distinguishing characteristic of two cryptic treefrog species, *Hyla chrysoscelis* and *H. versicolor*. Undergraduate Research Symposium, University of Wisconsin Stevens Point, WI.

Professional
Experience:

Independent Contractor: Weyerhaeuser Company
2012, East Lansing, MI

Research Assistant: MSU, Dept. of Fisheries and Wildlife
2008-2012, East Lansing, MI

Biological Technician: Patuxent Wildlife Research Center
2006-2008, United States Geological Survey, Laurel, MD

Research Assistant: Towson University, Dept. of Biological Sciences
2004-2006, Towson, MD

Wildlife Technician: Department of Biology

CLINT ROBERT VINCENT OTTO

2002-2004 University of Wisconsin Stevens Point

Water Laboratory Technician: Environmental Task Force Water Laboratory
1999-2002 University of Wisconsin Steven Point, WI

Independent Student Researcher: Department of Biology
2002 University of Wisconsin Stevens Point

Editorial Positions: Associate Editor for Spotlight Magazine, MSU 2008-2012
-<http://www.fw.msu.edu/magazines/spotlight/>

Journal Referee: Copeia, Journal of Herpetology, Journal of Wildlife Management, Natural Areas
Journal, Southern Journal of Applied Forestry

Membership: The Wildlife Society 2008-present
Society for the Study of Amphibians and Reptiles 2003-present
MSU Fisheries and Wildlife Graduate Student Organization 2008-2012
North Carolina Herpetology Society 2005-2007
Sigma Xi Honors Society 2005-2006
TU Biology Graduate Student Association 2003-2006
TU Graduate Student Association 2003-2006
UWSP Herpetology Society 1999-2004
UWSP Wildlife Society 1999-2002

Outreach: Graduate Student Liaison for MSU Fisheries and Wildlife Undergraduate
Club, 2008-2010.
-<https://www.msu.edu/user/fwclub/>

“Meet a Fisheries and Wildlife Graduate Student: Clint Otto” Informational video
produced by the MSU Fisheries and Wildlife Undergraduate Club
-<http://www.youtube.com/watch?v=WIXQGb2fX44>

Guest Presentation for the Michigan Society of Herpetologists. “The Impact of
Timber Harvesting on Michigan Herptiles: Assessing the Value Retained
Structures.” Grand Rapids, MI.

Guest Presentation for the Rocky Mountain Goat Foundation Annual Meeting.
“The Impact of Timber Harvesting on Michigan Wildlife: Assessing the Value of
Retained Structures.” Camp Wa-wa-Sum, MI.

Teaching: Guest Lecturer: Analysis of Wildlife Populations 2011-2012
Guest Instructor: Wildlife Field Sampling 2009-2010
Guest Lecturer: Wildlife Techniques 2010
Guest Lecturer: Conservation Biology 2009
Teaching Assistant: Herpetology 2005
Teaching Assistant: Introduction to Ecology and Evolutionary Biology 2004
Teaching Assistant: Zoology 2003-2004

- Special Training: Likelihood and Bayesian Approaches to Data Analysis. Juan Morales and Jacqueline Frair. Environmental Science and Forestry, SU of New York College, Syracuse, NY, 2012.
- Hierarchical Modeling in R. Instructors: Andy Royle and Richard Chandler. Webinar hosted by Patuxent Wildlife Resource Center. USGS, Laurel, MD, 2012.
- Wildlife Occupancy Modeling. Instructor: Dr. Darryl MacKenzie. Workshop hosted by the Department of Fisheries and Wildlife, MSU, 2011.
- Data Analysis Using R. Workshop hosted by the Center for Statistical Training and Consulting, MSU, 2009.
- Wildlife Data Analysis. Instructors: Drs. Jim Nichols, Larissa Bailey and Darryl MacKenzie. Hosted by The Wildlife Society, Miami, FL, 2008.
- R-statistical Software Training. Instructor: Dr. Paul Geissler. Hosted by Patuxent Wildlife Resource Center. USGS, Laurel, MD, 2007.