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CURRENT POSITION: Assistant Professor of Forest Wildlife Management, 2015-present

EDUCATION

Ph.D. in Forest Science (2012), Michigan Technological University, Houghton, MI

Dissertation: Retention of Canopy Trees as Biological Legacies for Balancing Biomass Production and Biodiversity in Managed Aspen Forests of the Great Lakes Region.

Master of Science in Wildlife Ecology (2001), University of Wisconsin-Madison, Madison, WI

Thesis: Impact of Forest Succession on Shrubland-dependent Birds in Aspen Forests Managed with Traditional and Alternative Clearcutting Systems in Northern Wisconsin.

Bachelor of Science with Honors (1995), University of Wisconsin-Madison, Madison, WI

Majors: Biological Aspects of Conservation and International Relations and Certificate: Environmental Studies

RELEVANT PROFESSIONAL EXPERIENCE

- Habitat Management Biologist (Contractor/Consultant), Wildlife Management Institute, 2008-present
- Research Assistant Professor, Michigan Technological University, 2012-2015
- Natural Resource Research Technician (2001-2005) and Natural Resource Research Scientist (1996-1997), Wisconsin Department of Natural Resources, Bureau of Integrated Science Services

PUBLICATIONS (Peer-reviewed Journal Articles)

- Hobson, K.A, S.L. VanWilgenburg, **A.M. Roth**, and R.E. Bennet. 2016. Golden-winged Warbler (*Vermivora chrysoptera*) migratory connectivity derived from stable isotopes. *Studies in Avian Biology* 49:193-204. CRC Press.
- Crawford, D. L., R.W. Rohrbaugh, **A.M. Roth**, J.D. Lowe, S. Barker Swarthout, and K.V. Rosenberg. 2016. Landscape-scale habitat and climate correlates of breeding Golden-winged and Blue-winged warblers. *Studies in Avian Biology* 49: 41-66. CRC Press.
- R.W. Rohrbaugh, D.A. Buehler, S. Barker Swarthout, D.I. King, J.L. Larkin, K.V. Rosenberg **A.M. Roth**, R. Vallender, and T. Will. Conservation perspectives: Using new science to improve strategic Golden-winged warbler conservation. 2016. Landscape-scale habitat and climate correlates of breeding Golden-winged and Blue-winged warblers. *Studies in Avian Biology* 49: 207-216. CRC Press.
- Terhune, T.M., K.R. Aldinger, D.A. Buehler, D.J. Flaspohler, J. L. Larkin, J.P. Loegering, K.L. Percy, **A.M. Roth**, C. Smalling, and P.B. Wood. 2016. Golden-winged Warbler nest-site habitat selection. *Studies in Avian Biology* 49: 109–125. CRC Press.
- Aldinger, K.R. T.M. Terhune, P.B. Wood, D.A. Buehler, M.H. Bakermans, J.L. Confer, D.J. Flaspohler, J.L. Larkin, J.P. Loegering, K.L. Percy, **A.M. Roth**, C.G. Smalling. 2015. A range-wide assessment of factors influencing Golden-winged Warbler nesting success. *Avian Conservation and Ecology* 10(1):6.
- Roth, A.M.**, D.J. Flaspohler, and C.R. Webster. 2014. Legacy trees in young aspen forest improve nesting habitat quality for Golden-Winged Warbler (*Vermivora chrysoptera*). *Forest Ecology and Management* 321:61-70. This is a special issue titled 'Mechanisms and predictors of ecological change in managed forests.'
- R. Vallender, S. Van Wilgenburg, L. Bulluck, **A. Roth**, R. Canterbury, J. Larkin, R.M. Fowlds, and I. Lovette. 2009. Extensive rangewide mitochondrial introgression indicates substantial cryptic hybridization in the Golden-winged Warbler (*Vermivora chrysoptera*). *Avian Conservation and Ecology* 4.
- Roth, A.M.**, D.W. Sample, C.A. Ribic, L. Paine, D. J. Undersander, and G.A. Bartelt. 2005. Grassland bird response to harvesting switchgrass as a biomass energy crop. *Biomass and Bioenergy* 28:490-98.
- Roth, A.M.** and R.S. Lutz. 2004. Relationship between territorial male Golden-winged Warblers in managed aspen stands in northern Wisconsin, USA. *Forest Science* 50:153-161.