

Daniel J. Hocking

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Education

2012 PhD Natural Resources & Environmental Science, University of New Hampshire

2007 MA Biological Sciences, University of Missouri

2003 BS Environmental Science (*magna cum laude*), University of New Hampshire

Appointments

2016 - present Assistant Professor, Dept. of Biology, Frostburg State University, Frostburg, MD

2014 – 2016 USGS Mendenhall Postdoctoral Fellow, Conte Anadromous Fish Research Laboratory

2014 – 2016 Postdoctoral Fellow, DOI Northeast Climate Science Center, University of Massachusetts

2012 – 2013 Postdoctoral Research Associate, University of New Hampshire

Five Most Relevant Publications and Products

Peterman, W.E., J.A. Crawford, and D.J. Hocking. 2016. Effects of elevation on plethodontid salamander body size. *Copeia*. 104(1):202-208. <http://dx.doi.org/10.1643/OT-14-188>

Milanovich, J.R., D.J. Hocking, W.E. Peterman, and J.A. Crawford. 2016. Effective use of trails for assessing terrestrial salamander abundance and detection: A case study at Great Smoky Mountains National Park. *Natural Areas Journal*. 35(4):590-598. <http://dx.doi.org/10.3375/043.035.0412>

Hocking, D. J., G. M. Connette, C. A. Conner, B. R. Scheffers, S. E. Pittman, W. E. Peterman, R. D. Semlitsch. 2013. Effects of experimental forest management on a terrestrial, woodland salamander in Missouri. *Forest Ecology and Management*. 287:32-39

Hocking, D. J. and K. J. Babbitt. 2014. The role of red-backed salamanders on ecosystem functions. *PLoS ONE* 9(1):e86854. <http://dx.doi.org/10.1371/journal.pone.0086854>

Hocking, D. J., S. A. Callaghan, K. J. Babbitt, and M. Yamasaki. 2013. Comparison of silvicultural and natural disturbance effects on terrestrial salamanders in northern hardwood forests. *Biological Conservation*. 167:194-202. <http://dx.doi.org/10.1016/j.biocon.2013.08.006>

Five Other Publications and Products

Stephens, R.B., D.J. Hocking, M. Yamasaki, and R.J. Rowe. 2017. Synchrony in small mammal community dynamics across a forested landscape. *Ecography*. 40: 1198–1209. <http://dx.doi.org/10.1111/ecog.02233>.

Hocking, D. J. and K. J. Babbitt. 2014. Amphibian Contributions to Ecosystem Services. *Herpetological Conservation and Biology*. 9(1):1-17.

Semlitsch, R. D., S. M Blomquist, A. J. K. Calhoun, J.W. Gibbons, J. P. Gibbs, G. J. Graeter, E. B. Harper, D. J. Hocking, M. L. Hunter, D. A. Patrick, T. A. G. Rittenhouse, B. B. Rothermel, and B. D. Todd. 2009. Effects of timber management on amphibian populations: understanding mechanisms from forest experiments. *Bioscience* 59(10):853-862.

Babbitt K. J., M. J. Baber, D. L. Childers, and D. J. Hocking. 2009. The influence of agricultural upland habitat type on larval anuran assemblages in seasonally-inundated wetlands. *Wetlands* 29(1):294-301.

Semlitsch, R. D., C. A. Conner, D. J. Hocking, T. A. G. Rittenhouse, and E. B. Harper. 2008. Effects of timber harvesting on pond-breeding amphibian persistence: testing the evacuation hypothesis. *Ecological Applications* 18(2):283-289.

Synergistic Activities

Taxonomic Expert. Gulf of Maine Research Institute, Vital Signs citizen science program. 2014 – present.

Cofounded the New Hampshire R Users Group <http://www.nhusers.wordpress.com>, including organizing weekly meetings and securing corporate sponsorship. 2013 – 2014.

Organizer. NRESS Seminar. University of New Hampshire. Helped organize the spring seminar series for the Natural Resource and Earth System Science program. 2008.

Vice President. Biology Graduate Student Association. University of Missouri. 2005-2006.

Webmaster. Land-use Effects on Amphibian Populations (LEAP) Collaboration (www.leap.missouri.edu). 2004-2005.

Webmaster. Missouri Chapter of the Society for Conservation Biology. 2005-2006.

Co-Chair. Outreach Committee for the Missouri Chapter of the Society for Conservation Biology. 2005-2006.

Collaborators and Other Affiliations

Advisors (5 total): R.D. Semlitsch (U. Missouri; M.A.), K.J. Babbitt (U. of New Hampshire; PhD), B.H. Letcher (USGS; postdoc), K. Nislow (Forest Service; postdoc), E.C. Grant (USGS; postdoc)

Advisees (2 MS students): Natalie Haydt, Jacey Brooks