

## 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, Turners Falls, MA  
2014 – 2016 Postdoctoral Fellow, DOI Northeast Climate Science Center, University of Massachusetts, Amherst, MA  
2012 – 2013 Postdoctoral Research Associate, University of New Hampshire, Durham, NH

## 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> [OA]

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. *In Press*. Synchrony in small mammal community dynamics across a forested landscape. *Ecography*. <http://dx.doi.org/10.1111/ecog.02233>. Data

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

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. (Cover Photograph)

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](http://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**

Collaborators (XX total): W.E. Peterson (Ohio Stat U.),

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 (X MS students):