

## ELLEN G. DENNY

4 Tenney Hill Road  
Kittery Point ME 03905  
ellen@usanpn.org

### EDUCATION

MFS Forest Science Yale School of Forestry & Environmental Studies, New Haven CT Thesis research: Beech regeneration in a northern hardwood forest	1997
BS Aquatic Biology Brown University, Providence RI	1989

### PROFESSIONAL EXPERIENCE

USA NATIONAL PHENOLOGY NETWORK, Tucson AZ Monitoring Design and Data Coordinator Monitoring Design Specialist Interim IT Project Manager	2010-present 2008-2010 2008-2009
NORTHEAST REGIONAL PHENOLOGY NETWORK, Kittery Point ME Co-Founder and Network Coordinator	2007-present
HUBBARD BROOK ECOSYSTEM STUDY, Durham NH Ecological Research Data Manager	2005-2011
US FOREST SERVICE, Northern Research Station, Durham NH Ecologist and Research Data Manager	2004-2007
ECOLOGICAL AND ENVIRONMENTAL CONSULTING SERVICES, INC., Lyme CT Project Leader	1999-2000
YALE SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES, New Haven CT Research Laboratory and Data Manager (for a PI of Hubbard Brook LTER) Teaching and Research Assistant	1998-2005 1996-1997
US PEACE CORPS, Uruguay, South America Peace Corps Volunteer	1993-1994
THE NATURE CONSERVANCY, Cosumnes River Preserve, Galt CA Habitat Restoration Manager Habitat Restoration Intern	1991-1992 1990-1991

### PUBLICATIONS

Yost, J.M., P.W. Sweeney, E. Gilbert, G. Nelson, R. Guralnick, A.S. Gallinat, E.R. Ellwood, N.

- Rossington, C.G. Willis, S.D. Blum, R.L. Walls, E.M. Haston, M.W. Denslow, C.M. Zohner, A.B. Morris, B.J. Stucky, J.R. Carter, D.G. Baxter, K. Bolmgren, E.G. Denny, E. Dean, C.C. Davis, B.D. Mishler, P.S. Soltis, and S.J. Mazer. In review. Digitization protocol for scoring phenology from herbarium specimens of seed plants. *Applications in Plant Science*.
- Hess, B.J., M.M. Koppers, E.G. Denny, and C.E. Johnson. In review. Calcium forms in decomposing wood and bark: a 24-year incubation study. *Canadian Journal of Forest Research*.
- Guertin, P., L. Barnett, E.G. Denny and S.N. Schaffer. 2017. USA National Phenology Network Phenophase Primer for Plants-Draft Version. [www.usanpn.org](http://www.usanpn.org)
- Stucky, B.J., J. Deck, E. Denny, R.P. Guralnick, R.L. Walls, J. Yost. 2016. W12-04: The Plant Phenology Ontology for Phenological Data Integration. International Conference on Biomedical Ontology and BioCreative (ICBO BioCreative 2016). <http://icbo.cgrb.oregonstate.edu/node/326>
- Brown, T.B., K.R. Hultine, H. Steltzer, E.G. Denny, M.W. Denslow, J. Granados, S. Henderson, D. Moore, S. Nagai, M. SanClements, A. Sanchez-Azofeifa, O. Sonnentag, D. Tazik, and A.D. Richardson. 2016. Using phenocams to monitor our changing Earth: towards a global phenocam network. *Frontiers in Ecology and the Environment* 14(2):84-93. DOI: 10.1002/fee.1222
- Gerst, K.L., J.L. Kellerman, C.A.F. Enquist, A.H. Rosemartin, and E.G. Denny. 2015. Estimating the onset of spring from a complex phenology database: trade-offs across geographic scales. *International Journal of Biometeorology*. DOI: 10.1007/s00484-015-1036-4
- Rosemartin, A.H., E.G. Denny, J.F. Weltzin, R.L. Marsh, B.E. Wilson, H. Mehdipoor, R. Zurita-Milla, and M.D. Schwartz. 2015. Lilac and honeysuckle phenology data 1956–2014. *Nature Scientific Data* 2:1-8. DOI: 10.1038/sdata.2015.38
- Guertin, P., L. Barnett, E.G. Denny and S.N. Schaffer. 2015. USA National Phenology Network Botany Primer. USA-NPN Education and Engagement Series 2015-001. [www.usanpn.org](http://www.usanpn.org)
- Johnson, C.E., T.G. Siccama, E.G. Denny, M.M. Koppers, and D.J. Vogt. 2014. *In situ* decomposition of northern hardwood tree boles: decay rates and nutrient dynamics in wood and bark. *Canadian Journal of Forest Research* 44:1515-1524. DOI: 10.1139/cjfr-2014-0221
- Crimmins, T.M., J.F. Weltzin, A.H. Rosemartin, E.M. Surina, L. Marsh, and E.G. Denny. 2014. Focused campaign increases activity among participants in *Nature's Notebook*, a citizen science project. *Natural Sciences Education* 43:64-72. DOI: 10.4195/nse2013.06.0019
- Denny, E.G., K.L. Gerst, A.J. Miller-Rushing, G.L. Tierney, T.M. Crimmins, C.A.F. Enquist, P. Guertin, A.H. Rosemartin, M.D. Schwartz, K.A. Thomas, and J.F. Weltzin. 2014. Standardized phenology monitoring methods to track plants and animal activity for science and resource management applications. *International Journal of Biometeorology* 58(4):591-601. DOI: 10.1007/s00484-014-0789-5

- Rosemartin, A.H., T.M. Crimmins, C.A.F. Enquist, K.L. Gerst, J.L. Kellermann, E.E. Posthumus, E.G. Denny, P. Guertin, L. Marsh and J.F. Weltzin. 2014. Organizing phenological data resources to inform natural resource conservation. *Biological Conservation* 173:90-97. DOI: 10.1016/j.biocon.2013.07.003
- Tierney, G., B. Mitchell, A. Miller-Rushing, J. Katz, E. Denny, C. Brauer, T. Donovan, A. D. Richardson, M. Toomey, A. Kozlowski, J. Weltzin, K. Gerst, E. Sharron, O. Sonnentag, F. Dieffenbach. 2013. Phenology monitoring protocol: Northeast Temperate Network. *Natural Resource Report NPS/NETN/NRR—2013/681* National Park Service, Fort Collins, Colorado.
- Schwartz, M.D., C.A.F. Enquist and E.G. Denny. 2013. Phenological implications of warming temperatures and extreme climatic events. *Eos, Transactions American Geophysical Union* 94(10):99.
- Kellermann, J.L., T.M. Crimmins, E.G. Denny, C.A.F. Enquist, R.L. Marsh, A.H. Rosemartin, and J.F. Weltzin. 2012. USA National Phenology Network 2011 Data & Participant Summary. USA-NPN Technical Series 2012-001. [www.usanpn.org](http://www.usanpn.org).
- Crowley, K.F., B.E. McNeil, G.M. Lovett, C.D. Canham, C.T. Driscoll, L.E. Rustad, E. Denny, R.A. Hallett, M.A. Arthur, J.L. Boggs, C.L. Goodale, J.S. Kahl, S.G. McNulty, S.V. Ollinger, L.H. Pardo, P.G. Schaberg, J.L. Stoddard, M.P. Weand, and K.C. Weathers. 2012. Do nutrient limitation patterns shift from nitrogen toward phosphorus with increasing nitrogen deposition across the northeastern United States? *Ecosystems* 15:940-957.
- Thomas, K.A., E.G. Denny, A.J. Miller-Rushing, T.M. Crimmins, and J.F. Weltzin. 2010. The National Phenology Monitoring System v0.1. USA-NPN Technical Series 2010-001. [www.usanpn.org](http://www.usanpn.org).
- Crimmins, T.M., A.H. Rosemartin, R.L. Marsh, E.G. Denny, C.A.F. Enquist, and J.F. Weltzin. 2010. USA National Phenology Network 2010 Data & Participant Summary. USA-NPN Technical Series 2011-001. [www.usanpn.org](http://www.usanpn.org).
- Crimmins, T.M., A.H. Rosemartin, K.A. Thomas, R.L. Marsh, E.G. Denny, and J.F. Weltzin. 2010. USA National Phenology Network 2009 Data Summary. USA-NPN Technical Series 2010-002. [www.usanpn.org](http://www.usanpn.org).
- San Gil, I., K. Baker, J. Campbell, E.G. Denny, et al. 2009. The long-term ecological research community metadata standardisation project: a progress report. *International Journal of Metadata, Semantics and Ontologies* 4(3): 141-53.
- Denny, E., Miller-Rushing, A., Haggerty, B., Benton, L., Crimmins, T., Losleben, M., Richardson, A., Rosemartin, A., Schwartz, M., Thomas, K., Weltzin, J., and Wilson, B. 2009. A new approach to generating research-quality data through citizen science: The USA National Phenology Monitoring System. Available from Nature Precedings <<http://dx.doi.org/10.1038/npre.2009.3695.1>>.
- McNeil, B.E., E.G. Denny, A.D. Richardson. 2008. Coordinating a Northeast regional phenology network. *Bulletin of the Ecological Society of America*. 89:188-190.

- Siccama, T.G., T.J. Fahey, C.E. Johnson, T.W. Sherry, E.G. Denny, E.B. Girdler, G.E. Likens, and P.A. Schwarz. 2007. Population and biomass dynamics of trees in a northern hardwood forest at Hubbard Brook. *Canadian Journal of Forest Research* 37:737-749.
- Richardson, A.D., A.S. Bailey, E.G. Denny, C.W. Martin, and J. O'Keefe. 2006. Phenology of a northern hardwood forest canopy. *Global Change Biology* 12:1174-1188.
- Juice, S.M., T.J. Fahey, T.G. Siccama, C.T. Driscoll, E.G. Denny, C. Eagar, N.L. Cleavitt, R. Minocha, and A.D. Richardson. 2006. Response of sugar maple to calcium addition to northern hardwood forest. *Ecology* 87:1267-1280.
- Richardson, A.D., E.G. Denny, T.G. Siccama, and X. Lee. 2003. Evidence for a rising cloud ceiling in eastern North America. *Journal of Climate* 16:2093-2098.
- Richardson, A.D., E.G. Denny, J.A. Forbush, T.G. Siccama, and K.S. Hunter. 2001. Differential aluminum and calcium concentrations in the tissues of ten *Cornus* species. *Journal of the Torrey Botanical Society* 128:120-127.
- Griggs, F.T., V. Morris, and E. Denny. 1993. Five years of valley oak riparian forest restoration. *Fremontia* 22(2):13-17.