

DANA MARIE BAUER

George Perkins Marsh Institute

Clark University

950 Main Street

Worcester, MA 01610

dbauer@clarku.edu

Last Updated: September 9, 2021

EDUCATION

Ph.D. ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS, University of Rhode Island, 2005

M.A. URBAN AND ENVIRONMENTAL POLICY, Tufts University, 1999

Cert. ENVIRONMENTAL MANAGEMENT, Bentley College, 1996

M.S. INFORMATION SYSTEMS, Northeastern University, 1985

B.S. INDUSTRIAL ENGINEERING, State University of New York at Buffalo, 1983

ACADEMIC APPOINTMENTS

2015 - ASSISTANT DIRECTOR, *George Perkins Marsh Institute*, Clark University

2015 - RESEARCH SCIENTIST, *George Perkins Marsh Institute*, Clark University

2015 - AFFILIATED FACULTY, *Department of Economics*, Clark University

2012 - 2015 ASSISTANT PROFESSOR, *Earth and Environment*, Boston University

2007 - 2012 ASSISTANT PROFESSOR, *Geography and Environment*, Boston University

2006 - 2007 VISITING ASSISTANT PROFESSOR, *Department of Economics*, Bates College

Spring 2006 INSTRUCTOR, *Environmental and Resource Economics*, University of Rhode Island

Fall 2002 INSTRUCTOR, *Environmental and Resource Economics*, University of Rhode Island

1998 - 2005 RESEARCH ASSISTANT, *Env. and Resource Economics*, University of Rhode Island

1997 - 1998 TEACHING ASSISTANT, *Urban and Environmental Policy*, Tufts University

1997 - 1998 RESEARCH ASSISTANT, *Urban and Environmental Policy*, Tufts University

PUBLICATIONS (student co-authors underlined>

Bloom, E.H., **D.M. Bauer**, A.R. Kaminski, I. Kaplan, and Z. Szendrei. 2021. Socioecological factors and farmer perceptions impacting pesticide use and pollinator conservation on cucurbit farms. *Frontiers in Sustainable Food Systems* (*in press*).

Kaminski, A.R., **D.M. Bauer**, K.P. Bell, C.S. Loftin, and E.J. Nelson. 2021. Using landscape metrics to characterize towns along an urban-rural gradient. *Landscape Ecology* 36(10): 2937-2956.

Johnston, R.J., and **D.M. Bauer**. 2020. Using meta-analysis for large-scale ecosystem service valuation: Progress, prospects and challenges. *Agricultural and Resource Economics Review* 49(1):23-63.

- Balukas, J., K.P. Bell, and **D.M. Bauer**. 2019. Classifying private landowners to improve understanding of management decisions and conservation opportunities in urbanizing forested landscapes. *Journal of Environmental Management* 232:751-758.
- Bauer, D.M.**, S.K. Swallow, P. Liu, and R.J. Johnston. 2017. Do exurban communities want more development? *Journal of Land Use Science* 12(5):351-374.
- Bauer, D.M.**, K.P. Bell, E.J. Nelson, and A.J.K. Calhoun. 2017. Managing small natural features: A synthesis of economic issues and emergent opportunities. *Biological Conservation* 211(B):80-87.
- Hunter, Jr., M.L., V. Acuña, **D.M. Bauer**, K.P. Bell, A.J.K. Calhoun, M.R. Felipe-Lucia, J.A. Fitzsimons, E. González, M. Kinnison, D. Lindenmayer, C.J. Lundquist, R.A. Medellín, E.J. Nelson, and P. Poschlod. 2017. Conserving small natural features with large ecological roles: A synthetic overview. *Biological Conservation* 211(B):88-95.
- Nalepa, R.A., A.G. Short Gianotti, and **D.M. Bauer**. 2017. Marginal land and the global land rush: A spatial exploration of contested lands and state-directed development in contemporary Ethiopia. *Geoforum* 82:237-251.
- Bauer, D.M.** and I. Sue Wing. 2016. The macroeconomic cost of catastrophic pollinator declines. *Ecological Economics* 126:1-13.
- Bauer, D.M.** 2014. Valuation of pollination services: a comparison of approaches. Chapter 7 in Ninan, K.N., ed. *Valuing Ecosystem Services: Methodological Issues and Case Studies*. Cheltenham, UK: Edward Elgar Publishing.
- Mann, M.L., R.K. Kaufmann, **D.M. Bauer**, S. Gopal, M. Nomack, J. Womack, K. Sullivan, and B. Soares-Filho. 2014. Pasture conversion and competitive land rents in the Amazon. *Ecological Economics* 97:182-190.
- Johnston, R.J., S.K. Swallow, **D.M. Bauer**, E. Uchida, and C.M. Anderson. 2014. Connecting ecosystem services to land use: implications for valuation and policy. Chapter 15 in Duke, J.M. and J. Wu, eds. *The Oxford Handbook of Land Economics*. Oxford, UK: Oxford University Press.
- Bauer, D.M.**, and S.K. Swallow. 2013. Conserving metapopulations in human-altered landscapes at the urban-rural fringe. *Ecological Economics* 95:159-170.
- Bauer, D.M.**, and R.J. Johnston. 2013. The economics of rural and agricultural ecosystem services: purism versus practicality. *Agricultural and Resource Economics Review* 42(1):iii-xv.
- Nalepa, R.A., and **D.M. Bauer**. 2012. Marginal lands: the role of remote sensing in constructing landscapes for agrofuel development. *Journal of Peasant Studies* (special issue on 'Green Land Grabs') 39(2):403-422.

- Mann, M.L., R.K. Kaufmann, **D.M. Bauer**, S. Gopal, J.G. Baldwin, and M. Vera-Diaz. 2012. Ecosystem service value and agricultural conversion in the Amazon: implications for policy intervention. *Environmental and Resource Economics* 53:279-295.
- Kunz, T.H., E. Braun de Torrez, **D.M. Bauer**, T.A. Lobova, and T.H. Fleming. 2011. Ecosystem services provided by bats. *The Year in Ecology and Conservation*, R.A. Ostfeld and W.H. Schlesinger, eds. Special issue, *Annals of the New York Academy of Sciences* 1223:1-38.
- Bauer, D.M.** and I. Sue Wing. 2010. Economic consequences of pollinator declines: A synthesis. *Agricultural and Resource Economics Review* 39:368-383.
- Mann, M.L., R.K. Kaufmann, **D.M. Bauer**, S. Gopal, M.D.C. Vera-Diaz, D. Nepstad F. Merry, J. Kallay, G.S. Amacher. 2010. The economics of cropland conversion in Amazonia: the importance of agricultural rent. *Ecological Economics* 69:1503-1509.
- Bauer, D.M.**, P.W.C. Paton, and S.K. Swallow. 2010. Are wetland regulations cost-effective for species protection? A case study of amphibian metapopulations. *Ecological Applications* 20(3):798-815.
- Bauer, D.M.**, S.K. Swallow, and P.W.C. Paton. 2010. Cost-effective species conservation in exurban communities: A spatial analysis. *Resource and Energy Economics* 32:180-202.
- Johnston, R.J., S.K. Swallow, **D.M. Bauer**, and L.D. Philo. 2006. Support for conservation policies and values for conservation: are they related? Chapter 12 in Johnston, R.J. and S.K. Swallow, eds. *Economics and Contemporary Land-Use Policy: Development and Conservation at the Rural-Urban Fringe*. Washington, DC: RFF Press.
- Bauer, D.M.**, N.A. Cyr, and S.K. Swallow. 2004. Public preferences for compensatory mitigation of salt marsh losses: a contingent choice of alternatives. *Conservation Biology* 18(2): 401-411.
- Johnston, R.J., S.K. Swallow, **D.M. Bauer**, and C.M. Anderson. 2003. Preferences for residential development attributes and support for the policy process: implications for management and conservation of rural landscapes. *Agricultural and Resource Economics Review* 32(1): 65-82.
- Johnston, R.J., S.K. Swallow, T.J. Tyrrell, and **D.M. Bauer**. 2003. Rural amenity values and length of residency. *American Journal of Agricultural Economics* 85(4): 1009-1024.
- Johnston, R.J., S.K. Swallow, and **D.M. Bauer**. 2002. Spatial factors and stated preference values for public goods: considerations for rural land development. *Land Economics* 78(4): 481-500.

PUBLISHED BOOK REVIEWS

Bauer, D.M. 2011. Review of *Conserving and Valuing Ecosystem Services and Biodiversity: Economic, Institutional and Social Challenges*, edited by K.N. Ninan, London, Earthscan, 2009, xxx + 402 pp. *Journal of Natural Resources Policy Research* 3:205-206.

INVITED LECTURES

Bauer, D.M. 2016. Conserving small natural features with large ecosystem functions. Invited seminar at Clark University, January 28.

Bauer, D.M. 2015. Birds, bats, and bees: ecosystem services provided by mobile organisms. Invited lecture at Berklee School of Music, Boston, MA, March 25.

Bauer, D.M. 2015. Conserving small natural features with large ecosystem functions. Invited seminar at University of Idaho, Moscow, ID, February 18.

Bauer, D.M. 2015. Conserving small natural features with large ecosystem functions. Invited seminar at SUNY Plattsburgh, Plattsburgh, NY, February 11.

Bauer, D.M. 2015. Birds, bats, and bees: ecosystem services provided by mobile organisms. Invited lecture at SUNY Plattsburgh, Plattsburgh, NY, February 11.

Bauer, D.M. and I. Sue Wing. 2011. Direct and indirect welfare effects of global pollinator declines. Invited seminar at the University of Maine, Orono, ME, October 21.

Bauer, D.M. 2011. Are wetland buffers cost-effective for species protection? Invited presentation at the *Wetland Buffers Symposium: Theory, Science, Policy and Implementation*. Baraboo, WI, February 16-17.

Bauer, D.M. and I. Sue Wing. 2010. Economic consequences of pollinator declines: A synthesis. Invited seminar at the University of New Hampshire, Durham, NH, October 7.

Bauer, D.M. 2010. Pollination services and agriculture: a world without vanilla, chocolate, and strawberry? Invited keynote at the *2010 Northeastern Agricultural and Resource Economics Association (NAREA) Annual Meeting*, Atlantic City, NJ, June 14-15.

CONFERENCE AND WORKSHOP PAPERS

Johnston, R.J., and **D.M Bauer**. 2019. Using meta-analysis for large-scale ecosystem service valuation: progress, prospects and challenges. Paper presented at *Applications and Potential of Ecosystem Services Valuation within USDA – Advancing the Science*, Washington, DC, April 23-24.

- Bauer, D.M.** and I. Sue Wing. 2011. Agricultural and economy-wide effects of pollinator declines. Paper presented at the *AAEA/NAREA Joint Annual Meeting*, Pittsburg, PA, July 23-26.
- Bauer, D.M.** 2009. Does incorporating neighborhood spillover effects in models of species conservation change the result? Paper presented at the *AAEA/ACCI Joint Annual Meeting*, Milwaukee, WI, July 26-28.
- Bauer, D.M.** 2009. The conservation of species in human altered landscapes using a spatially-explicit land allocation model: Does incorporating neighborhood spillovers change the result? Paper presented at the Workshop on *The Economics of Land-Use Change: Advancing the Frontiers*, Washington, DC, June 25-26.
- Bauer, D.M.** 2009. Conservation of species in human altered landscapes using a spatially-explicit land allocation model. Paper presented at the Annual Meeting of the *Northeast Agricultural and Resource Economics Association*, Burlington, VT, June 7-9.
- Bauer, D.M.**, S.K. Swallow, and P.W.C. Paton. 2008. Cost-effective conservation of wetland species at the urban-rural fringe: a spatial analysis. Paper presented at the Workshop on *Spatial Aspects of Environmental and Natural Resource Economics*, Centennial, WY, September 26-27.
- Bauer, D.M.**, S.K. Swallow, and P.W.C. Paton. 2008. Conservation of pond-breeding amphibians at the rural-urban fringe using a spatially-realistic ecosystem constraint. Paper presented at the *CAES/NAREA Joint Conference*, Quebec City, QC, June 29- July 1.
- Bauer, D.M.** and S.K. Swallow. 2005. Allocation of land at the rural-urban fringe using a spatially-realistic ecosystem constraint. Paper presented at the Annual Meeting of the *American Agricultural Economics Association*, Providence, RI, July 24-27.
- Bauer, D.M.**, S.K. Swallow, and P.W.C. Paton. 2004. Economic consequences of conserving amphibian metapopulations within areas of urban sprawl. Paper presented at the Annual Meeting of the *Society for Conservation Biology*, New York, NY, July 30–August 2.
- Bauer, D.M.**, Y. Jiang, S.K. Swallow, P.W.C. Paton, and D. Skidds. 2004. Applying economic and ecological principles to identify conservation reserves for vernal pools with residential development. *Proceedings of Conservation and Urban Growth: Finding the Balance, Session V of Valuation of Ecological Benefits: Improving the Science Behind Policy Decisions*. Washington, DC, October 26-27, 2004.
- Johnston, R.J., **D.M. Bauer**, and S.K. Swallow. 2002. Correspondence among preferences for land use attributes and preferences for the policy process: implications for management and conservation of rural landscapes. Paper presented at the Annual Meeting of the *Northeastern Agricultural and Resource Economics Association Land Use Policy Workshop*, Harrisburg, PA, June 11–12.
- Johnston, R.J., S.K. Swallow, and **D.M. Bauer**. 2002. Stated preferences and length of residency in rural communities: modeling heterogeneous development and conservation values using

Lagrangian interpolation polynomials. Paper presented at the Annual Meeting of the *American Agricultural Economics Association*, Long Beach, CA, July 28–31.

Johnston, R.J., **D.M. Bauer**, and S.K. Swallow. 2000. The influence of spatial land use patterns on rural amenity values and willingness to pay for growth management: evidence from a contingent choice survey. Paper presented at the Annual Meeting of the *American Agricultural Economics Association*, Tampa, FL, July 30–August 2.

CONFERENCE AND WORKSHOP PRESENTATIONS (student presenters underlined)

Wu, L., **D.M. Bauer**, S. Atallah, and A.R. Kaminski. 2020. Farmer tradeoffs between pest control and pollinator health. Presented at the virtual Annual Meeting of the *Northeast Agricultural and Resource Economics Association*, June 15.

Bauer, D.M., and K.P. Bell. 2018. How do social and economic factors influence vernal pool management? Presented at the workshop *Translating Vernal Pool Research into Desired Management Outcomes*, Ashland, MA, October 25.

Bauer, D.M. 2017. Measuring the co-benefits of nature-based adaptation: the value of riparian buffers. Presented at the workshop *Economics of Natural and Nature-Based Coastal Adaptation – Separating Fact from Fiction for Resilience Decision Making*, Greenland, NH, March 29.

Johnston, R.J., and **D.M. Bauer**. 2017. Coordinating economic and ecological models to manage water quality and ecosystem services: Benefit transfer and meta-analysis. Presented at *The Economics of Improving Water Quality into the Great Barrier Reef, Pre-Conference Workshop, Australian Agricultural and Resource Economics Society (AARES) Annual Meeting*, Brisbane, Australia, February 7-10.

Bauer, D.M., K.P. Bell, and E.J. Nelson. 2016. Managing spatially distributed small natural features that provide large-scale ecosystem services. Presented at ACES (*A Community on Ecosystem Services: Linking Science, Practice, and Decision Making*) 2016 Conference, Jacksonville, FL, December 5-9.

Bauer, D.M., K.P. Bell, J. Balukas, B. Holland, and E.J. Nelson. 2016. Landowner decision-making in response to vernal pool regulations. Presented as part of the organized session on *Conserving small natural features in urbanizing landscapes at the Northeast Natural History Conference*, Springfield, MA, April 22-24.

Nelson, E.J., **D.M. Bauer**, and K.P. Bell. 2015. Managing small natural features: vernal pools in Maine. Presented as part of the organized oral session *Solving complex problems in coupled natural and human systems: Socio-ecological research at the frontier of global change* at the Annual Meeting of the *Ecological Society of America*, Baltimore, MD, August 9-14.

Bauer, D.M., K.P. Bell, E.J. Nelson, V. Acuña, and J. Balukas. 2015. Managing small natural features: A synthesis of emergent socio-economic issues. Presented as part of the

symposium on *Conserving small natural features with large ecological roles* at the *International Congress for Conservation Biology*, Montpellier, France, August 2-6.

Bell, K.P., A.J. Calhoun, **D.M. Bauer**, R. Freeman, V. Levesque, and J. Balukas. 2015. Using a hybrid regulatory approach to conserve small natural features: Lessons from Maine, USA. Presented at the Joint Annual Meetings of the *Northeast Agricultural and Resource Economics Association* and the *Canadian Agricultural Economics Society*, Newport, RI, June 28-30.

Bauer, D.M., and J.R. Smith. 2014. Pollination services and grower decision making. Presented at ACES (*A Community on Ecosystem Services: Linking Science, Practice, and Decision Making*) 2014 Conference, Washington, DC, December 8-12.

Bauer, D.M., and I. Sue Wing. 2014. Macroeconomic consequences of lost pollination services. Poster presented at ACES (*A Community on Ecosystem Services: Linking Science, Practice, and Decision Making*) 2014 Conference, Washington, DC, December 8-12.

Balukas, J., K.P. Bell, A.J. Calhoun, M.L. Hunter, and **D.M. Bauer**. 2014. Combining spatial and survey data to explain land development decisions. Poster presented at Maine EPSCoR Conference, Orono, ME, December 1.

Bell, K.P., **D.M. Bauer**, E.J. Nelson, and J. Balukas. 2014. Community-scale innovations to conserve natural resources: assessing patterns in interactions among state and local government policies. Presented at the Annual Meeting of the *Northeast Agricultural and Resource Economics Association*, Morgantown, WV, June 1-3.

Homola, J.J., M.T. Kinnison, C.S. Loftin, A.J. Calhoun, K.P. Bell, K.A. Capps, M.L. Hunter, **D.M. Bauer**, and E.J. Nelson. 2014. Of pools and people: application of vernal pool amphibian landscape genetics in a socio-environmental coupled-systems model. Presented at *Northeast Fish and Wildlife Conference*, Portland, ME, April 13-15.

Bauer, D.M. 2012. Economic consequences of pollinator declines. Presented at ACES/EM/ESP (*A Community on Ecosystem Services, Ecosystem Markets, and the Ecosystem Partnership*) 2012 Conference, Ft. Lauderdale, FL, December 10-14.

Bauer, D.M., L.R. Hutrya, and S.M. Raciti. 2012. Valuing local carbon sequestration along an urban-to-rural gradient. Presented at the Annual Meeting of the *Northeast Agricultural and Resource Economics Association*, Lowell, MA, June 10-12.

Kunz, T.H., E.C. Braun de Torrez, **D.M. Bauer**, J.G. Boyles, P.M. Cryan, and G.F. McCracken. 2011. Over one million bats have died from white-nose syndrome: Why should we care? *White Nose Syndrome Symposium*, Little Rock, AR, May 17-19.

Hunter, C.R., and **D.M. Bauer**. 2011. Estimating pollination services to Massachusetts cranberries from native bees. Poster presented at the *Association of American Geographers Annual Meeting*, Seattle, WA, April 12-16.

Hunter, C.R., and **D.M. Bauer**. 2010. Value of managed and wild insect pollination to U.S. agriculture. Poster presented at the *Boston University Undergraduate Research Opportunity (URO) Symposium*, Boston, MA, October 22.

Kunz, T.H., E. Braun de Torrez, **D.M. Bauer**, T.A. Lobova, and T.H. Fleming. 2010. Ecosystem services provided by bats. *15th International Bat Research Conference (IBRC)*, Prague, Czech Republic, August 23-27.

Skidds, D.E., Y. Jiang, **D.M. Bauer**, P.W.C. Paton, S.K. Swallow, and A.B. Mercer. 2005. Applying economic and ecological principles to identify vernal pool conservation reserves in the Pawcatuck River watershed of southern Rhode Island. *SRI 25th Annual International User Conference*, San Diego, CA, July 25-29.

Johnston, R.J., **D.M. Bauer**, and S.K. Swallow. 2001. Spatial features and stated preference values for land use attributes: implications for policy and survey design. Invited seminar at the University of Guelph, Ontario, Canada.

OTHER PAPERS AND REPORTS

Bauer, D.M., and R.J. Johnston. 2017. *Buffer Options for the Bay: Economic Valuation of Water Quality Ecosystem Services in New Hampshire's Great Bay Watershed*. Report to Great Bay National Estuarine Research Reserve.

Bauer, D.M. 2017. *Buffer Options for the Bay: Exploring the Trends, the Science, and the Options of Buffer Management in the Great Bay Watershed: Key Findings from Economic Literature*. Report to Great Bay National Estuarine Research Reserve.

Bauer, D.M. 2005. *Cost-Effective Land Development with a Spatially-Realistic Ecosystem Constraint*. University of Rhode Island, Department of Environmental and Natural Resource Economics, Doctoral Dissertation.

Bauer, D.M. 1999. *Wetlands Mitigation Banking: A Complementary Approach to Providing Wetland Amenities*. Tufts University, Department of Urban and Environmental Policy, Master's Thesis.

HONORS AND AWARDS

NAREA Award for Outstanding Service, 2013

Graduate Student Rachel Nalepa, BU Graduate Research Abroad Fellowship Recipient, 2012

Graduate Student Marta Ribera, EPA STAR Fellowship Recipient, 2011

Elected Board of Directors, Northeastern Agricultural and Resource Economics Association, 2010

Gitner Award for Excellence in Teaching, 2009

Thomas F. Weaver Award for Outstanding Contribution to the Academic Community, 2006

AAEA Outstanding Dissertation Award, Honorable Mention, 2006

University of Rhode Island Outstanding Dissertation Award for Social Sciences, 2006

GRANTS FUNDED

Conservation Incentives and the Socio-spatial Dynamics of Water Sustainability
Clark University PI (Thomas Neeson, University of Oklahoma, Project PI)
National Science Foundation (DISES Program) – 5 years ending 12/31/26
Total Funding Requested: \$1,600,000 (Clark Portion: \$363,772)
Status: Funded

Informing Conservation Program Targeting for Cost-Effective Integrated Pollinator-Pest Management

Principal Investigator
USDA/AFRI – 3 years ending 5/31/22
Total Funding Requested: \$367,178
Total Funding Received: \$367,178
Status: Funded – Rated High Priority

Navigating the Trade-off between Pest Management and Pollinator Conservation in Cucurbits

Clark University PI (Ian Kaplan, Purdue University, Project PI)
USDA/SCRI – 5 years ending 8/31/22
Total Funding Requested: \$4 million (Clark Portion: \$345,690)
Total Funding Received: \$3.67 million (Clark Portion: \$320,417)
Status: Funded – Rated Outstanding

Advancing Southern New England Shellfish Aquaculture through an Engaged Public and Next Generation Tools

Co-PI (Robert Johnston, Clark PI; Tessa Getchis, CT Sea Grant, Project PI)
NOAA/OAR – 3 years (ending 8/31/22)
Total Funding Requested: \$1,200,000 (Clark Portion: \$174,999)
Total Funding Received: \$1,200,000 (Clark Portion: \$174,999)
Status: Funded

Of Pools and People: Small natural features with large ecosystem functions in urbanizing landscapes

Clark University PI (Aram Calhoun, University of Maine, Project PI)
National Science Foundation (CNH Program) – 5 years (ending 9/30/19)
Total Funding Requested: \$1,488,951 (BU/Clark portion \$227,739) + 9062 added 2019
Total Funding Received: \$1,488,951 (BU/Clark portion \$227,739 + 9063 = \$236,802)
Status: Funded – Rated Highly Competitive

Linking Coastal Adaption Portfolios to Tidal Marsh Resilience and Sustainable Ecosystem Service Values: Transferable Guidance for Decisions under Uncertainty

Co-PI (Robert Johnston, PI)
NOAA (COCA Program) – 3 years ending 7/31/19
Total Funding: \$299,507
Status: Funded

Exploring the Trends, the Science, and the Options of Buffer Management in the Great Bay Watershed

Co-PI (Robert Johnston, Clark PI; David Patrick, TNC, Project PI)
National Estuarine Research Reserve – 2 years (ending 1/31/18)
Total Funding Requested: \$249,528 (Clark Portion: \$54,962)
Total Funding Received: \$249,528 (Clark Portion: \$54,962)
Status: Funded

Integrated Economic Analysis of Ecosystem Services for Agricultural and Rural Sustainability

Co-PI (Robert Johnston, Clark University, PI)
Total Funding Requested: \$49,988
Total Funding Received: \$49,988
USDA/AFRI Research Conference – 1 year (ending 8/31/12)
Status: Funded – Rated Excellent

Effects of Land-Use Policies on Land-Use Change in Exurban Communities

Principal Investigator
Mary Erskine WIN Faculty Grants Program – 1 year (ending 8/31/11)
Total Funding Requested: \$20,000
Total Funding Received: \$29,800 (\$20,000 direct + \$9,800 F/A)
Status: Funded – Rated Highly Competitive

FELLOWSHIPS

EPA STAR (Science to Achieve Results) Graduate Fellowship, 2001-2004
Switzer Foundation Environmental Policy Fellowship, 2000-2001
University of Rhode Island Graduate Fellowship, 2000-2001
Thomas F. Weaver Memorial Fellowship, 1998-1999
Environmental Futures Fund Graduate Fellowship, 1996-1997
Tufts University Dept. of Urban and Environmental Policy Academic Scholarship, 1996-1997

TEACHING

MODELING ECOLOGICAL-ECONOMIC SYSTEMS (undergraduate – last taught Fall 2021)
NATURAL RESOURCE ECONOMICS (undergraduate – last taught Spring 2021)
ENVIRONMENTAL ECONOMICS (undergraduate – last taught Spring 2020)
ECONOMICS AND THE WORLD ECONOMY (undergraduate – last taught Spring 2016)
ECOSYSTEM SERVICES (graduate – last taught Spring 2012)
MODELING ENVIRONMENTAL AND SOCIAL SYSTEMS (graduate – last taught Spring 2015)
INTRO TO QUANTITATIVE ENVIRONMENTAL MODELING (undergraduate – last taught Fall 2014)
RESOURCE ECONOMICS AND POLICY (graduate & undergraduate – last taught Fall 2014)
ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS (undergraduate – last taught Spring 2007)
PRINCIPLES OF MICROECONOMICS (undergraduate – last taught Spring 2007)
MARINE RESOURCE ECONOMICS (graduate – last taught Spring 2006)

STUDENT ADVISING

CURRENT THESIS STUDENTS – ADVISOR (CLARK UNIVERSITY UNLESS STATED OTHERWISE)

CURRENT THESIS STUDENTS – COMMITTEE MEMBER (CLARK UNIV. UNLESS STATED OTHERWISE)
Linghui Wu, Ph.D. Economics (University of New Hampshire)

UNDERGRADUATE CAPSTONE STUDENTS – ECONOMICS, CLARK UNIVERSITY

FALL 2021 – John Limaldi, Alex Maiorano, Yitaro Makihara, Nicholas Mole, Daniel Moura, and Lillian Sartorius

SPRING 2021 – Zoe Brammer, Rishab Darayanani, Zachary Devine, Mark DellaTorre, Pablo Espinoza, Tommy Li, Shane Lipolito, Michael Lu, Erika Pham, Cooper Richards, David Treus, Marco White, and Yuan Zhang

FALL 2020 – Aly Kanefield, Samuel Moricz, and Melvin Vincent

SPRING 2020 – Jesse Aronson, Patrick Clark, and Kevin Striffler

FALL 2019 – Mihn Dao, Alexis Dinkins, Anna Gates, Alex Hattenbach, and Chris Radovic

SPRING 2019 – Lige Bao, Serina Cook, Eliza Fischer, Elizabeth Fontaine, Zhongfan Jiang, Thiha Kyaw Din, Phuong Le, Olivia Moreno Correa, Daniel Shaw, and Michael Tice

FALL 2018 – Bezawit Ayalew, Chukwuma Egbuzie, Yamaya Jean, Ian Levy, Ralitza Mondal, Jack Pierce, and Sam Wogan

SPRING 2018 – Nathan Bram

FALL 2017 – Emily Guare, Michelle Lam, Markus Stein, and Jianan (Joyce) Zhang

SPRING 2017 – Hasini Assiriyage, Haojun Feng, Jack Goracy, Xiaoyu He, Nick Johnson, Anika Kreckel, Sam Morris, Ji Won Park, and Lucas Petricone-Berg

SPRING 2016 – Huong Le, Yaxin Lu, Helen Neely, Kexin Peng, and Shijia Yang

UNDERGRADUATE DIRECTED STUDY STUDENTS – ECONOMICS, CLARK UNIVERSITY

FALL 2019 – Will Gordon

FALL 2017 AND SPRING 2018 – Yousef Shahin

GRADUATED STUDENTS – ADVISOR (CLARK UNIVERSITY UNLESS STATED OTHERWISE)

Garren Kalter, B.A. (2020) Economics, Honors Thesis

Maia Nikoladze, B.A. (2019) Economics, Honors Thesis

Amelia Turner, B.A. (2018) Economics, Honors Thesis

Rachel Nalepa, Ph.D. (2015) Geography and Environment, Boston University

Jessika Smith, B.A. (2014) Environmental Analysis and Policy, Boston University
-- Undergraduate Work for Distinction

Tyler Nesbit, M.A. (2012) Geography and Environment, Boston University

Claire Richer, UROP (2012) Earth and Environment (Co-Advisor), Boston University

Trevor Green, M.A. (2011) International Relations and Environmental Policy, Boston University

Clayton Hunter, M.A. (2011) Geography and Environment, Boston University

Clayton Hunter, UROP (2010) Geography and Environment, Boston University

GRADUATED STUDENTS – COMMITTEE MEMBER (BOSTON UNIVERSITY UNLESS STATED OTHERWISE)

Brianne Du Clos, Ph.D. Ecology and Environmental Science (University of Maine)

Kira Sullivan-Wiley, Ph.D. (2016) Geography and Environment

Jessica Balukas, M.S. (2015) Resource Economics and Policy (University of Maine)
Marta Ribera, Ph.D. (2015) Geography and Environment
Jordan Winkler, Ph.D. (2015) Geography and Environment
Jared Woollacott, Ph.D. (2015) Geography and Environment
Elizabeth Braun de Torrez, Ph.D. (2014) Biology
Karina Veliz-Rojas, Ph.D. (2013) Geography and Environment
Marek Kolodziej, Ph.D. (2012) Geography and Environment
Catherine Dimas, M.A. (2012) International Relations and Environmental Policy
Matthew Bolt, M.A. (2011) Geography and Environment
Lindsay Sansom, M.A. (2011) International Relations and Environmental Policy
Michael Mann, Ph.D. (2011) Geography and Environment
Sarah Chung, M.A. (2011) International Relations and Environmental Policy
Kathryn (Katie) Schu, Ph.D. (2010) Geography and Environment
R. Wilson Hambrecht, M.A. (2010) International Relations and Environmental Policy
Jennifer Mayfield, M.A. (2010) International Relations and Environmental Policy
Molly Walton, M.A. (2010) International Relations and Environmental Policy
Richard (Rick) Balestri, M.A. (2009) International Relations
Gabriela Dobrot, Ph.D. (2008) Environmental and Natural Resource Economics, URI
Elana Kimbrell, M.A. (2008) International Relations and Environmental Policy
Amy Myers, M.A. (2007) International Relations and Environmental Policy

PROFESSIONAL SERVICE

Director, Northeastern Agricultural and Resource Economics Association (NAREA), 2010-2013

Chair, Workshop Organizing Committee, *The Economics of Agricultural and Rural Ecosystem Services*, held June 12-13, 2012

Instructor, Teachers as Scholars (K-12 outreach program), 2011

Fellowship Interview Committee, Robert and Patricia Switzer Foundation, 2008, 2013, & 2021

Grant Proposal Reviewer:

NSERC (Canada) Discovery Grants Program, 2012

Maine Agricultural and Forest Experiment Station, 2012

NSF Faculty Early Career Development (CAREER) Program, 2009

Book Chapter Reviewer:

Primack, R.B., *A Primer of Conservation Biology*, chapter on valuation, 2011, 2015

Calhoun, A.J.K., and P.G. deMaynadier, *Vernal Pools*, chapter on spatial modeling, 2010

Primack, R.B., *Conservation Biology*, two chapters on valuation of biodiversity, 2009

Book Proposal Reviewer:

Cambridge University Press, textbook *Introduction to Environmental Modeling*, 2014

Journal Article Reviewer:

Agricultural and Human Values, Agricultural and Resource Economics Review, American Journal of Agricultural Economics, Ecological Economics, Ecosystem Services, Environmental and Resource Economics, Environmental Modeling and Assessment, Environmental Science & Technology, European Review of Agricultural Economics, Journal of Agricultural and Applied Economics, Journal of Applied Geography, Journal of Environmental Economics and Policy, Journal of Environmental Planning and Management, Journal of Sustainable Forestry, Landscape Ecology, Marine Resource Economics, Nature Sustainability, PLOS ONE, Resource and Energy Economics, Wetlands

Conference Abstract Reviewer:

NAREA Annual Meeting – 2009, 2010, 2012, and 2013
AAEA Annual Meeting – 2008 and 2009

UNIVERSITY SERVICE**Academic Year 2013-2014:**

Academic Conduct Committee, College of Arts and Sciences, Boston University,
Graduate Admissions Committee, Department of Earth and Environment, Boston University

Academic Year 2012-2013:

Academic Conduct Committee, College of Arts and Sciences, Boston University
Graduate Admissions Committee, Department of Earth and Environment, Boston University
Merit Review Committee, Department of Earth and Environment, Boston University

Academic Year 2011-2012:

Academic Conduct Committee, College of Arts and Sciences, Boston University

Academic Year 2010-2011:

Academic Conduct Committee, College of Arts and Sciences, Boston University
Faculty Search Committee, Department of Geography and Environment, Boston University
Graduate Admissions Committee, Department of Geography and Environment, Boston University
Merit Review Committee, Department of Geography and Environment, Boston University

Academic Year 2009-2010:

Academic Conduct Committee, College of Arts and Sciences, Boston University
Faculty Search Committee, Department of Geography and Environment, Boston University
Graduate Admissions Committee, Department of Geography and Environment, Boston University
Merit Review Committee, Department of Geography and Environment, Boston University

Academic Year 2008-2009:

Academic Conduct Committee, College of Arts and Sciences, Boston University
Merit Review Committee, Department of Geography and Environment, Boston University

Prior to 2005:

Faculty Search Committee, ENRE, University of Rhode Island, 2000 and 2003
Graduate Student Representative, ENRE, University of Rhode Island, 1999-2000