

Dennis B. Guignet

Department of Economics
Appalachian State University
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EDUCATION:

- Ph.D. Agricultural and Resource Economics, University of Maryland, College Park, MD, 2011.
- M.S. Agricultural and Resource Economics, University of Maryland, College Park, MD, 2009.
- B.S. Environmental and Renewable Resource Economics, The Pennsylvania State University, State College, PA, 2006. *Highest Distinction*. Minor in Geographical Information Systems (GIS).

EMPLOYMENT:

- Assistant Professor, Department of Economics, Appalachian State University, Boone, NC. 2018 - present
- Research Economist, National Center for Environmental Economics, US Environmental Protection Agency, Washington, DC. 2011 – 2018
- Lecturer, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD. 2017 – 2018
- Adjunct Assistant Professor, Department of Economics, American University, Washington, DC. 2016 – 2017
- Research Associate, Fondazione Eni Enrico Mattei (FEEM), Milan, Italy. 2010 – 2011
- Research Assistant, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD. 2006 – 2010
- Research Assistant, Department of Agricultural Economics and Rural Sociology, The Pennsylvania State University, State College, PA. 2005 – 2006

TEACHING:

- Appalachian State University
ECO 2030: Principles of Microeconomics. Fall 2018, 2019; Spring 2019, 2020.
ECO 4660/5660: Benefit-Cost Analysis. Fall 2019.

TEACHING (cont.):

University of Maryland

AREC 240: Introduction to Economics and the Environment. Fall 2017.

American University

ECON 379: Economics of Environmental Policy. Spring 2016, 2017.

Teaching Assistant

AREC 200: The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy. University of Maryland, College Park, MD, Spring 2010, 2011.

CHEM 12: Chemical Principles. The Pennsylvania State University Berks-Lehigh Valley, Reading, PA, Fall 2003.

PUBLICATIONS:

Shadbegian, Ron, Dennis Guignet, Heather Klemick, and Linda Bui (2019), "Early Childhood Lead Exposure and the Persistence of Educational Consequences into Adolescence," *Environmental Research*, 178, 108643.

Walsh, Patrick, Charles Griffiths, Dennis Guignet, and Heather Klemick (2019), "Adaptation, Sea Level Rise, and Property Prices in the Chesapeake Bay Watershed," *Land Economics*, 95(1), 19-34.

Guignet, Dennis, Robin Jenkins, Matthew Ranson, and Patrick Walsh (2018), "Contamination and Incomplete Information: Bounding Implicit Prices using High-Profile Leaks," *Journal of Environmental Economics and Management*, 88, 259-282.

Guignet, Dennis, and Adan L. Martinez-Cruz (2018), "The Impacts of Underground Petroleum Releases on a Homeowner's Decision to Sell: A Difference-in-Differences Approach," *Regional Science and Urban Economics*, 69, 11-24.

Moore, Chris, Dennis Guignet, Kelly Maguire, Nathalie Simon, and Chris Dockins (2018) "Valuing Ecological Improvements in the Chesapeake Bay and the Importance of Ancillary Benefits", *Journal of Benefit-Cost Analysis*, 9(1), 1-26.

Klemick, Heather, Charles Griffiths, Dennis Guignet, Patrick J. Walsh (2018), "Improving Water Quality in an Iconic Estuary: An Internal Meta-analysis of Property Value Impacts Around the Chesapeake Bay", *Environmental and Resource Economics*, 69(2), 265-292.

Walsh, Patrick, Charles Griffiths, Dennis Guignet, and Heather Klemick (2017), "Modeling the Property Price Impact of Water Quality in 14 Chesapeake Bay Counties," *Ecological Economics*, 135, 103-113.

PUBLICATIONS (cont.):

Guignet, Dennis, Charles Griffiths, Heather Klemick, and Patrick J. Walsh (2017), “The Implicit Price of Aquatic Grasses,” *Marine Resource Economics*, 32(1), 21-41.

Guignet, Dennis, Patrick J. Walsh, and Rachel Northcutt (2016), “Impacts of Ground Water Contamination on Property Values: Agricultural Run-off and Private Wells,” *Agricultural and Resource Economics Review*, 45(2), 293-318.

Guignet, Dennis and Anna Alberini (2015), “Can Property Values Capture Changes in Environmental Health Risks? Evidence from a Stated Preference Study in Italy and the United Kingdom,” *Risk Analysis*, 35(3), 501-517.

Guignet, Dennis (2013), “What Do Property Values Really Tell Us? A Hedonic Study of Pollution from Underground Storage Tanks,” *Land Economics*, 89(2), 211-226.

Guignet, Dennis (2012), “The Impacts of Pollution and Exposure Pathways on Home Values: A Stated Preference Analysis,” *Ecological Economics*, 82, 53-63.

Alberini, Anna, Milan Šcasný, Dennis Guignet, and Stefania Tonin (2012), “Cancer VPFs, One Size Does Not Fit All: The Benefits of Contaminated Site Cleanups in Italy,” *Journal of the Air and Waste Management Association*, 62(7), 783-798.

Zabel, Jeffrey and Dennis Guignet (2012), “A Hedonic Analysis of the Impact of LUST Sites on House Prices,” *Resource and Energy Economics*, 34(4), 549-564.

Guignet, Dennis and Anna Alberini (2010), “Voluntary Cleanup Programs and Redevelopment Potential: Lessons from Baltimore, Maryland,” *Cityscape: A Journal of Policy Development and Research*, 12(3), 7-36.

Ready, Richard, Ann Fisher, Dennis Guignet, Richard Stedman and Junchao Wang (2006). “A Pilot Test of a New Stated Preference Valuation Method: Continuous Attribute-Based Stated Choice,” *Ecological Economics*, 59, 247-255.

WORKING PAPERS:

Guignet, Dennis, Christopher Moore, and Haoluan Wang (2020), “Hot Spots, Cold Feet, and Warm Glow: Identifying Spatial Heterogeneity in Willingness to Pay,” US EPA National Center for Environmental Economics Working Paper, 20-01, Washington, DC, March.

Guignet, Dennis, Matthew T. Heberling, Michael Papenfus, Olivia Griot, and Ben Holland (2019), “Property values and water quality: A Nationwide Meta-analysis and the Implications for Benefit Transfer,” US EPA National Center for Environmental Economics Working Paper, 19-05, Washington, DC, June.

WORKING PAPERS (cont.):

Kung, Megan, Dennis Guignet, and Patrick Walsh (2019), "Comparing Pollution Where You Live and Play: A Hedonic Analysis of Enterococcus in the Long Island Sound," Appalachian State University Department of Economics Working Paper, 19-02, Boone, NC, February.

Maguire, Kelly B., Chris Moore, Dennis Guignet, Chris Dockins, and Nathalie B. Simon (2018), "Muddying the Water? An Analysis of Non-Constant Baselines in Stated Preference Surveys," US EPA National Center for Environmental Economics Working Paper, 18-02, Washington, DC, May.

Guignet, Dennis (2014), "To Sell or Not to Sell: The Impacts of Pollution on Home Transactions," US EPA National Center for Environmental Economics Working Paper, 14-01, Washington, DC, January.

PRESENTATIONS:

"Property Values and Water Quality: A Nationwide Meta-Analysis and the Implications for Benefit Transfer," presented at a US Department of Agriculture sponsored workshop entitled "Applications and Potential of Ecosystem Services Valuations within USDA – Advancing the Science," Washington, DC, April 2019.

"Examining Non-response Bias in Stated Choice Experiments," presented at the Southern Economic Association's Annual Conference, Washington, DC, November 2018.

"The Spatial Distribution of WTP and Status Quo Effects: An Application to the Chesapeake Bay Watershed," presented at the Northeastern Agricultural and Resource Economics Association's Annual Meeting, Philadelphia, PA, June 2018.

"Property Values and Water Quality: A Nationwide Meta-Analysis and the Implications for Benefit-Transfer," presented at the 10th Annual Conference of the Society for Benefit Cost Analysis, Washington, DC, March 2018.

"Stated Preference Methods & Valuing Surface Water Quality Improvements," presented at the National Socio-Environmental Synthesis Center's (SESYNC) Seminar Series, Annapolis, MD, May 2017.

"The Property Value Impacts of Groundwater Contamination: Agricultural Runoff and Private Wells," presented at the Northeastern Agricultural and Resource Economics Association's Water Quality Economics Workshop, Newport, RI, June 2015.

"Do Home Values Respond to Underground Storage Tank Releases? An Examination of High-Profile Cases Across the US," presented at the Northeastern Agricultural and Resource Economics Association's and the Canadian Agricultural Economic Society's Joint Annual Meeting, Newport, RI, June 2015.

PRESENTATIONS (cont.):

“A Stated Preference Study of the Chesapeake Bay and Watershed Lakes,” presented at the Allied Social Science Associations’ (ASSA) 2015 Meeting, Boston, MA, January 2015.

“The Implicit Price of Aquatic Grasses,” presented at Resources for the Future’s (RFF) Academic Seminar Series, Washington, DC, October 2014.

“The Implicit Price of SAV: A Hedonic Study of the Chesapeake Bay,” presented at the Northeast Agricultural and Resource Economics Association’s Annual Meeting, Morgantown, WV, June 2014.

“To Sell or Not To Sell: The Impacts of Pollution on Home Transactions,” presented at the 6th Annual Conference of the Society for Benefit Cost Analysis, Washington, DC, March 2014.

“To Sell or Not To Sell: The Impacts of Pollution on Home Transactions,” presented in Sponsored Session at the Association of Environmental and Resource Economists’ 3rd Annual Summer Conference, Banff, Canada, June 2013.

“Can Property Values Capture Changes in Environmental Health Risks: Evidence from a Stated Preference Study in Italy and the UK,” presented at the Association of Environmental and Resource Economists’ 2nd Annual Summer Conference, Asheville, NC, June 2012.

“What do Property Values Really Tell Us? A Hedonic Study of Pollution from Underground Storage Tanks,” presented at the Annual Conference of the Society for Benefit Cost Analysis, Washington, DC, October 2011.

“What do Property Values Really Tell Us? A Hedonic Study of Pollution from Underground Storage Tanks,” presented at the Agricultural and Applied Economics Association and Northeastern Agricultural and Resource Economics Association’s Joint Annual Meeting, Pittsburgh, PA, July 2011.

“A Hedonic Analysis of the Impact of LUST Sites on House Prices,” presented at the Association of Environmental and Resource Economists’ Inaugural Summer Conference, Seattle, WA, June 2011.

“Environmental Health Risks and Home Values: A Revealed and Stated Preference Analysis,” presented in the Research Sketches Session at the National Bureau of Economic Research (NBER) Environmental and Energy Economics Workshop, Cambridge, MA, July 2010.

“The Effects of LUSTs on Home Values: Is Proximity Enough?,” presented at the 4th World Congress of Environmental and Resource Economists, Montreal, Canada, July 2010.

PRESENTATIONS (cont.):

“LUSTs as Contaminated Sites: What are the Effects on Property Values?,” presented at the 17th Annual Conference of the European Association of Environmental and Resource Economists, Amsterdam, The Netherlands, June 2009.

“Participation in Voluntary Cleanup Programs: A Case Study of Maryland,” presented at the International Atlantic Economic Conference, Savannah, GA, October, 2007.

FELLOWSHIPS AND GRANTS:

Faculty Research Fellowship, Office of Land and Emergency Management, US Environmental Protection Agency, Research Participation Program administered by the Oak Ridge Institute for Science and Education (ORISE), 2019-2021.

Conducting Complex Research Together Grant, Research Institute for Environment, Energy, and Economics, Appalachian State University, 2019-2020, \$4,650.

Dean’s Club Grant, Walker College of Business, Appalachian State University, 2019-2020, \$1,000.

Undergraduate Research Assistant Support Grant, Office of Student Research, Appalachian State University, 2019-2020, \$2,000.

AWARDS:

Bronze Medal for Commendable Service, US Environmental Protection Agency (2016)
Partners of OW Award, Office of Water, US Environmental Protection Agency (2016)
Scientific and Technological Achievement Award: Honorable Mention, US Environmental Protection Agency (2015)

Trudy A. Speciner Non-Supervisory Award for Advancing Environmental Protection, US Environmental Protection Agency (2014)

Superior Efforts and Contributions Award, Office of the Administrator, US Environmental Protection Agency (2012, 2014, 2016)

Young Professional Travel Grant, Agricultural and Applied Economics Assoc. (2011)
Award for Excellence and Innovation in Undergraduate Teaching in the Marquee Courses in Science and Technology, University of Maryland (2011)

Distinguished Teaching Assistant, University of Maryland (2010)

Jacob K. Goldhaber Travel Award, University of Maryland (2009)

Graduation Marshall, College of Agricultural Sciences, The Pennsylvania State University (2006)

Evan Pugh Scholar Senior Award, The Pennsylvania State University (2006)

Goizueta Scholars Award, The Goizueta Foundation (2005)

AWARDS (cont.):

The Honor Society of Agriculture Gamma Sigma Delta's Junior Scholarship (2005)
Evan Pugh Scholar Junior Award, The Pennsylvania State University (2004)
The Honor Society of Agriculture Gamma Sigma Delta's Sophomore Scholarship (2004)
President's Freshman Award, The Pennsylvania State University (2002)
Eagle Scout, Boy Scouts of America (2001)

REFEREE EXPERIENCE:

Agricultural and Resource Economics Review (2019, 2015), *Ecological Economics* (2013), *Economics* (2017), *Environmental and Resource Economics* (2014), *Environment and Planning C: Government and Policy* (2013), *Environmental Economics and Policy Studies* (2018), *Health Affairs* (2011), *International Journal of Sustainable Transportation* (2016), *International Regional Science Review* (2014), *International Journal of Urban Sciences* (2017), *Journal of the Association of Environmental and Resource Economists* (2019), *Journal of Environmental Economics and Management* (2019, 2018, 2017, 2014, 2011, 2010), *Land Economics* (2017, 2016, 2015, 2014, 2012), *Leisure Sciences* (2015), *Marine Resource Economics* (2020), *Policy Sciences* (2012), *Proceedings of the National Academy of Sciences* (2019), *Regional Science and Urban Economics* (2011), *Resource and Energy Economics* (2019, 2018, 2015, 2014), *Science of the Total Environment* (2018), *Sustainability* (2015, 2017), *Water Economics and Policy* (2015)

PROFESSIONAL SERVICE:

Expert Reviewer: University of Wisconsin Water Resources Institute, 2019.
Expert Reviewer: Inter-American Development Bank, Workshop on Discrete Choice Experiment on Housing in Mexico City, 2019.
Program Committee Member: Association of Environmental and Resource Economists' sponsored sessions at the Southern Economic Association Annual Conference, 2019.
Reviewer: US Department of Agriculture sponsored workshop on Applications and Potential Ecosystem Services Valuation within USDA, 2018.
Session Chair: Benefit-Cost Analysis session sponsored by the Association of Environmental and Resource Economists at the Southern Economic Association's Annual Conference, Washington, DC, 2018.
Session Chair: Hedonic Price Studies and BCA session at the 10th Annual Conference of the Society for Benefit Cost Analysis, Washington, DC, 2018.
Book Reviewer: *Environmental & Natural Resource Economics* (11th ed.) by Tom Tietenberg & Lynne Lewis, Taylor & Francis, 2017.
Panel Review Member: US Department of Housing and Urban Development National Disaster Resilience Competition, 2015.
Moderator: The Northeastern Agricultural and Resource Economics Association's and the Canadian Agricultural Economic Society's Joint Annual Meeting, Newport, RI, 2015.

PROFESSIONAL SERVICE (cont.):

Member: Selected Papers and Symposia Committee, Northeast Agricultural and Resource Economics Association's, 2015-2016.

Moderator: US Environmental Protection Agency sponsored workshop on the Economics of Water Quality Improvement in Chesapeake Bay, Washington, DC, 2011.

Discussant: The Agricultural and Applied Economics Association and Northeastern Agricultural and Resource Economics Association's Joint Annual Meeting, Pittsburgh, PA, 2011.

Discussant: 4th World Congress of Environmental and Resource Economists, Montreal, Canada, 2010.

Discussant: 17th Annual Conference of the European Association of Environmental and Resource Economists, Amsterdam, The Netherlands, June 2009.

Discussant: International Atlantic Economic Conference, Savannah, GA, Oct. 2007.

PROFESSIONAL ORGANIZATIONS:

Northeast Agricultural and Resource Economics Association
Association of Environmental and Resource Economists

COMPUTER SKILLS: ArcGIS, SAS, Stata, R, Matlab