

# William J. Wheeler

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## EDUCATION

*The Pennsylvania State University*, Ph.D. Agricultural Economics 1997  
*The Pennsylvania State University*, M.S. Policy Analysis 1992  
*Virginia Tech*, B.A. History 1990

## EMPLOYMENT

*U.S. Environmental Protection Agency:* 1997–present  
National Center for Environmental Economics 2008–present  
Office of Enforcement and Compliance Assurance (20 percent assignment) 2016–2017  
Office of Research and Development (STAR Grant Program) 2002–2008  
Office of Water 1997–2002

## PUBLICATIONS

### Journal Articles

Joel Corona, Todd Doley, Charles Griffiths, Matthew Massey, Chris Moore, Stephen Muela, Brenda Rashleigh, William Wheeler, Stephen D. Whitlock, Julie Hewitt. 2020 (forthcoming). An Integrated Assessment Model for Valuing Water Quality Changes in the U.S. *Land Economics*, 96(4): 478–492. EPA Achievement in Science and Technology Award, 2020

Stephen Newbold, David Simpson, Matt Massey, Matthew T. Heberling, William Wheeler, Joel Corona, and Julie Hewitt. 2018. Benefit Transfer Challenges: Perspectives from U.S. Practitioners. *Environmental and Resource Economics*, 69(3): 467–481.

Patrick Walsh and William Wheeler. Water quality indices and benefit-cost analysis. 2013. *Journal of Benefit-Cost Analysis*, 4(1):81–105. EPA Scientific and Technological Achievement Award Honorable Mention, 2016

Charles Griffiths, Heather Klemick, Matt Massey, Chris Moore, Steve Newbold, David Simpson, Patrick Walsh, and William Wheeler. 2012. U.S. Environmental Protection Agency valuation of surface water quality improvements. *Review of Environmental Economics and Policy*, 6(1):130–146.

### Book Chapters

Wheeler, William J. 2015. Benefit Transfer for Water Quality Regulatory Rulemaking in the United States. In *Benefit Transfer of Environmental and Resource Values*, pages 101–115.

Chris Dockins and William Wheeler. Lessons from risk assessment, economics, and risk management at EPA. In *Benefit Cost Analyses for Security*, pages 63–75. 2015

William J Wheeler. Benefit transfer for water quality regulatory rulemaking in the united states. In *Benefit Transfer of Environmental and Resource Values*, pages 101–115. Springer Netherlands, 2015

C Griffiths and W Wheeler. Benefit–cost analysis of regulations affecting surface water quality in the united states. In *Cost–Benefit Analysis and Water Resources Management*, pages 223–250. 2005.

### ***Proceedings***

Reneé Selinsky Johnson, William J. Wheeler, and Lee A. Christensen. EPA's approach to controlling pollution from animal feeding operations: an economic analysis. *American Journal of Agricultural Economics*, 81(5):1216–1221, 1999.

Ann Fisher, William J. Wheeler, and Rami Zwick. Experimental methods in agricultural and resource economics: How useful are they? *Agricultural and Resource Economics Review*, 22(2):103–116, 1993.

### ***EPA Reports***

U.S. EPA. Environmental Economics Research Strategy. Technical report, U.S. Environmental Protection Agency, 2005.

### ***Working Papers***

Ann Wolverton, Charles Griffiths, and William Wheeler. "Evaluating the Effectiveness of Voluntary Programs: Did Ohio's Tox-Minus Initiative Affect Participants' TRI Emissions?" Technical report, National Center for Environmental Economics, US Environmental Protection Agency, 2016. <https://www.epa.gov/environmental-economics/working-paper-evaluating-effectiveness-voluntary-programs-did-ohios-tox>

Wheeler, William and Chris Dockins. "Meta-Analysis and Publication Bias in the Hedonic Wage Literature." Paper presented at the 2013 AAEA Annual Meeting, August 4-6, 2013, Washington, DC. <https://ageconsearch.umn.edu/bitstream/150725/2/Publication%20Bias%20in%20the%20Hedonic%20Wage%20Literature%20Ageconsearch%20upload.pdf>

### ***Works in Progress***

"The Effects of Clean Water Act Authorization on Facility Performance: An Examination of Environmental Federalism"

"Opportunities and Pitfalls with EPA Data: Perspectives from Inside and Outside the Agency" (joint with Jay Shimshack and many others; paper solicited based on a proposal to the Review of Environmental Economics and Policy)

## **SELECTED PRESENTATIONS**

"Do Reminders Increase on-Time Reporting of Environmental Data? an Examination of EPA's NetDMR System." AERE Sessions at the 2020 SEA Meetings, APPAM 2020 Fall Research Conference. Virtual.

"Quantitative Similarity in Benefit Transfer." 2019 AERE Meetings, Lake Tahoe, CA.

"Quasi-Fixed Labor Costs in Social Cost Calculations." 2019 SBCA Meetings, Washington, DC.

"Wetland Benefits from Definitional Changes of Waters of the United States." Discussant, 2019 SBCA Meetings, Washington, DC.

"Writing Grants is a Skill: Tips for Success," part of "Tips for Students and Newish Economists" Panel, AERE Sessions at the 2018 SEA Meetings, Washington, DC.

"The Effects of Clean Water Act Authorization on Facility Performance: An Examination of Environmental Federalism." AERE Sessions at the 2018 SEA Meetings, Washington, DC.

"Delegation of NPDES Authority to the State of Alaska." 2018 SBCA meetings, Washington, DC.

"Opportunities and Pitfalls with EPA Data: Perspectives from Inside and Outside the Agency," 2017 AERE meetings, Pittsburgh, PA.

"How can researchers and agencies work best together? Results from an informal survey of agency personnel," Workshop on Research on Effective Government: A Workshop on Evaluating Innovative Approaches to Fostering Environmental Compliance, January 2017.

"The Effect of Water Quality Characterization on Recreation Demand Model Results," 2017 SBCA Meetings, Washington, DC.

“Improving the Valuation of Water Quality,” 2015 SBCA meetings, Washington, DC “Deterrence Effects of Inspections and Enforcement”, 2015 Joint NAREA and CAES meetings, Newport, RI.

“The Impact of Inspections and Enforcement on Compliance: An Update,” 2015, AERE Session at the SEA.

“Top Ten Tips for Young Economists: Teaching, Research and Service Panel” at the 2014 SEA meeting, AERE session, Atlanta GA.

“Meta-Analysis and Publication Bias in the Hedonic Wage Literature” 2014 SEA meeting, AERE session, Atlanta, GA.

“Optimal Fines When Oil Spills Are Random”, 2014 SEA meeting, AERE session, Atlanta, GA.

“Evaluating the Effectiveness of Voluntary Programs: Did Ohio’s ToxMinus Program Affect Participants’ TRI Emissions?” NAREA Annual Meetings 2013, Ithaca, NY; invited seminar at the University of Maryland, Agricultural and Resource Economics Department, November 2014.

“Grant Writing Best Practices,” Early Career Mentoring Workshop at the 2011 AAEA & NAREA Joint Annual Meeting, Pittsburgh, PA.

“The Effect of Estimation Basis On Reported TRI Releases,” the 2011 AAEA & NAREA Joint Annual Meeting, Pittsburgh, PA.

“The Effect of the Measurement Versus Estimation on the Level of Reported Toxic Releases”, AERE session at the SEA, 2011, Washington, DC; and APPAM Meetings, 2011, Washington, DC.

“Top Ten Tips for Young Economists: Teaching, Research and Service,” AERE session at the 2011 SEA Meetings, Washington, DC.

Discussant, 2011 AERE Session at the 2011 SEA Meetings, Washington, DC.

“The Use of Ecological Indexes and Indicators in Water Quality Valuation: Water Quality Index Aggregation and Cost Benefit Analysis”, 2011 SBCA Meetings, Washington, DC Session Comments on “Benefit Transfer: An International Perspective”, 2010 World Congress of Environmental and Resource Economists, Montreal, CA.

“The Use of Ecological Indexes and Indicators in Water Quality Valuation: Water Quality Index Aggregation and Cost Benefit Analysis”, 2010 NAREA Meetings, Atlantic City, NJ.

“Policy Roundtable: Risk Assessment and Management at EPA,” Estimating the Benefits of Homeland Security Policies Workshop for the Department of Homeland Security, September 23, 2010.

## **SERVICE**

Northeastern Agricultural and Resource Economics Association: Government Representative to the Board (2008 to 2015), President-Elect (2015-2016), President (2016-2017), and Past-President (2017-2018).

Association of Environmental and Resource Economists: Outstanding Dissertation Award Committee (2014-2016)

Reviewer:

Agricultural and Resource Economics Review; American Journal of Agricultural Economics; Environmental Science and Technology; Journal of the American Water Resources Association; Journal of Benefit-Cost Analysis; Journal of Water and Health; Resource and Energy Economics

AERE Summer Conference; World Congress of Environmental Economists;

Department of Homeland Security, Office of University Programs; U.S. EPA, National Center for Environmental Research (STAR Grants)

## **HONORS and AWARDS**

Eight Agency Bronze Medals for Commendable Service, Agency Gold Medal for Exceptional Service, Office of Water Partners of OW Award, Award for Exceptional Service for the Deepwater Horizon Natural Resource Damage Assessment