

Matthew T. Heberling, Research Economist in EPA's National Risk Management Research Laboratory

Water Systems Division

[Mailing Address](#)

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Areas of Expertise: My current research focuses on estimating the economic benefits of improving water quality, source water protection economics, and using economic incentives for controlling nutrient pollution.

Select Publications:

Price, J.; M. **Heberling**; C. Nietch. 2018. How Economics Can Support Source Water Protection Decisions. Journal of AWWA 110(9). In Press.

Price, J.; M. **Heberling**. 2018. [The Effects of Source Water Quality on Drinking Water Treatment Costs: A Review and Synthesis of Empirical Literature](#). Ecological Economics. 151:195-209, doi:10.1016/j.ecolecon.2018.04.014

Heberling, M; H. Thurston; C. Nietch. 2018. [Exploring Nontraditional Participation as an Approach to Make Water Quality Trading Markets More Effective](#). Journal of the American Water Resources Association (JAWRA) 54:586-593., doi:10.1111/1752-1688.12648

Newbold, S.; M. Massey; D. Simpson; M. **Heberling**; W. Wheeler; J. Corona; J. Hewitt. 2018. [Benefit transfer challenges: Perspectives from U.S. Practitioners](#). Environmental and Resource Economics 69:467–481, doi:10.1007/s10640-017-0207-7

Liu, T.; R. Bruins; M. **Heberling**. 2018. [Factors influencing farmers' adoption of best management practices: A review and synthesis](#). Sustainability 10(2): 432, doi:10.3390/su10020432

Heberling, M., C. Nietch, H. Thurston, M. Elovitz, K. Birkenhauer, S. Panguluri, B. Ramakrishnan, E. Heiser, T. Neyer. 2015. [Comparing Drinking Water Treatment Costs to Source Water Protection Costs Using Time Series Analysis](#). Water Resources Research 51, 8741–8756, doi:10.1002/2014WR016422.

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Education:

- PhD., Pennsylvania State University, University Park, PA; Agricultural Economics, 2000.
- M.S., Pennsylvania State University, University Park, PA; Agricultural Economics, 1997.
- B.S., Frostburg State University, Frostburg, MD; 1993.

Professional Experience:

Project, Committees, and Workgroups

- SSWR Project Lead for Project 3.04 National Water Quality Benefits, 2016-Present

- SSWR Task Lead for Project 4.03B Modeling Approaches that Allow for Consideration of Market-based Policy Options, 2016-Present
- ORD representative on the Economics Forum Steering Committee (appointed by ORD AA), 2008-present
- Associate Editor for Water Resource Economics, Journal of the American Water Resources Association, 2007-present

Awards and Honors

- EPA STAA 2017 Level III for Comparing Drinking Water Treatment Costs to Source Water Protection Costs Using Time Series Analysis
- Partners of Office of Water Award 2016, ORD/OP/OW Collaborative Water Quality Benefits Team, 2018
- EPA-ORD Sustainability Award, Source Water Protection Incentives Team, 2017
- EPA-ORD Teamwork Award, Nitrogen and Co-pollutant Roadmap Team, 2015
- EPA Bronze Medal for Commendable Service for SSWR Project Lead for leadership and support, 2015
- STAA 2012 Honorable Mention for Encouraging the Use of Wetlands in Water Quality Trading

[Science Matters: Local Partnership Works to Improve Watershed Health](#)