

# Jennifer Cordrey Biddle

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## Education

- Ph.D.**      **George Mason University**, 2010 (expected)  
Environmental Science & Public Policy  
**Dissertation Title:** *Examining the Link between Collaborative Governance Elements and Achieving Environmental Improvements*  
**Committee Members:** Dr. Nicole Darnall, Associate Professor, George Mason  
Dr. Tomas Koontz, Associate Professor, Ohio State  
Dr. Naoru Koizumi, Assistant Professor, George Mason  
Dr. Dann Sklarew, Associate Professor, George Mason
- M.S.**      **George Mason University**, 2005  
Environmental Science & Public Policy  
**Thesis Title:** *Stressor Identification to Aid in the Completion of a Total Maximum Daily Load of the Impaired Mileage of Smith Creek in Shenandoah and Rockingham Counties, Virginia*
- B.S.**      **Pennsylvania State University**, 2000  
Horticulture, Certified in Rain Garden Design and Installation

## Research & Teaching Experience

- 2007-Present**    *Research Fellow*, **U.S. Environmental Protection Agency, Office of Water**, 1200 Pennsylvania Ave., NW Washington, DC- Provide technical assistance and guidance to regions and states in the development of Clean Water Act §319 Nonpoint Source Control Program's (NPSCP) "Success Stories". Track and report progress on meeting Assessment and Watershed Protection Division's WQ-10 measure. Partner with several large retail stores (Kohls, Whole Foods, and Costco Wholesale) by providing technical assistance on applicable sustainable practices. Assess the Clean Water Act §319 Nonpoint Source Monitoring Program on the effectiveness of collaborative management in achieving environmental outcomes.
- 2005-2007**      *Adjunct Faculty*, **George Mason University, Department of Environmental Science and Policy**, 4400 University Drive Fairfax, VA- Introduced students to environmental issues of energy and climate, water and non point source pollution polices, air quality and point source pollution policies, waste management, endangered species, and toxins. Designed and coordinated lab experiments with lecture discussions.
- 2003-2005**      *Graduate Teaching Assistant*, **George Mason University, Department of Environmental Science and Policy**, 4400 University Drive Fairfax, VA- Taught courses in environmental science, environmental policy, freshwater ecology, and introductory biology. Collaborated in development of curriculum, stressing

interdisciplinary approaches to environmental problem solving. Employed a variety of current, innovative teaching strategies to motivate, inspire, and encourage understanding of basic concepts in biological, chemical, physical, and social sciences through a combination of classroom lectures, laboratory work, and field exercises. Recognized by George Mason University for outstanding performance as a natural and social science instructor.

**2002-2004**     *Research Assistant, George Mason University, Department of Environmental Science and Policy, 4400 University Drive Fairfax, VA*

**2002-2004**     Partnered with Virginia's Department of Environmental Quality and Tetra Tech in the completion of nine Total Maximum Daily Loads for Virginia Waterways.

**2002-2006**     Gunston Cove Project- Collected and evaluated long-term trends to facilitate Fairfax County's Environmental Quality Advisory Committee and the Department of Public Works in the formulation of well-grounded management strategies for maintenance and improvement of water quality and biotic resources in the tidal Potomac.

**1998-2002**     *Environmental Consultant, Del Val Soil and Environmental Consultants, Inc. Skyron Drive Doylestown, PA- Consultation and preparation of Clean Water Act §404 permit applications for the Army Corps of Engineers; Chapter 105 Dam Safety and Waterway Management Joint Encroachment 105 permit application for PA Department of Environmental Protection.; Phase I Habitat Survey for bog turtle and other threatened and endangered herbaceous and woody plant species for U.S. Fish & Wildlife Services and PA Fish & Boat Commission; and Environmental Assessments to avoid and minimize impacts to environmentally sensitive areas i.e. wetlands, stream channels etc.*

### Awards

**2010**     Environmental Science and Public Policy Graduate Fellowship, George Mason University

**2007-2010**     Environmental Policy Research Fellowship, Oak Ridge Institute of Science and Education (ORISE). U.S. Department of Energy.

**2002-2004**     Research Assistantship, Virginia Department of Environmental Quality

**2003**     Letter of Commendation from Dean for Excellence in Teaching, College of Science, George Mason University

### Publications

Biddle, Jennifer C. and Nicole Darnall. *Preparing for Review. Internal Factors and Collaborative Governance: Proposed Criterion for Measuring Network Performance. Journal of Public Administrative Review.*

Jones, R.C. and Cordrey, J. 2004. **Stressor identification.** Chapter in *Total Maximum Daily Loads*

*for Nine Waterbodies in Virginia*. Richmond, Virginia. Virginia Department of Environmental Quality.

### **Academic Presentations**

- Biddle, Jennifer C. and Nicole Darnall. 2010. **Similar, but unequal: Understanding the relationship between collective action and environmental improvement**. Paper accepted for presentation at the Association of Public Policy Analysis and Management Research Conference, Boston, MA, November.
- Biddle, Jennifer C. and Nicole Darnall. 2010. **Does collaborative governance lead to improvements in environmental outcomes? Assessing the Environmental Protection Agency's Watershed Approach**. Paper accepted for presentation at the Southeastern Conference on Public Administration Conference, Wilmington, NC, October.
- Biddle, Jennifer C. 2010. **Does collaborative governance improve watersheds?** Invited presentation at Rochester Institute of Technology. Rochester, NY, May.
- Biddle, Jennifer C. and Nicole Darnall. 2009. **Overcoming the challenge of attributing collective action to environmental improvements**. Association of Public Policy Analysis and Management Research Conference, Washington, DC, November.
- Biddle, Jennifer C. 2009. **Examining the link between Collective Action Elements and Achieving Environmental Improvements**. George Mason University, Department of Environmental Science and Policy, Research Seminar, Fairfax, VA, November

### **Professional Presentations**

- Biddle, Jennifer C. 2010. **Does the watershed approach work? Assessing the National NPS Monitoring Program's effect on water quality**. Paper accepted for presentation at the Environmental Protection Agency's 18<sup>th</sup> National Nonpoint Source Monitoring Workshop. Milwaukee, WI, November.
- Biddle, Jenny. 2008. **Using rain gardens to reduce runoff– Slow it down, spread it out, soak it in!** EPA Webcasts. Washington, D.C.
- Biddle, Jenny and Katherine Telleen. 2008. **EPA's Green Infrastructure Initiative**. StormCon Conference, Orlando, FL
- Biddle, Jenny and Robert Goo. 2007. **Sustainable Stormwater Management**. Kohls, Inc. and Costco Wholesale Headquarter Offices, Milwaukie, MN and Seattle, WA

### **Courses Taught** (course ratings on 5.0 maximum scale, where 5.0 is “excellent”)

**Environmental Law** (Spring 2010)- Guest lecturer to graduate Environmental Law class on “Clean Water Act and Surface Water Pollution”

**Watershed Sustainability Science** (Spring 2007) - mean overall rating of teaching 4.7.  
Honors 4-credit course

**Freshwater Ecology** (Fall 2006) - mean overall rating of teaching 4.3. Upper level undergraduate Biology Lab

**Ecosphere parts I & II** (2003-2007) - mean overall rating of teaching 4.8. Introductory

Environmental Studies. Taught three-four sections per semester.

**Introductory Biology parts I & II** (Spring 2003-Fall 2004) - mean overall rating of teaching 4.8. Taught three-four sections per semester.

### References

- **Nicole Darnall**, Associate Professor, George Mason University, 4400 University Dr, MSN 5F2, Fairfax, VA 22030 Phone: (703) 993-3819 Email: ndarnall@gmu.edu
- **Tomas Koontz**, Associate Professor, Ohio State University, 316B Kottman Hall 2021 Coffey Rd Columbus, OH 43210 Phone: (614) 688-8166 Email: koontz.31@osu.edu
- **Robert Jonas**, Department Chair, George Mason University, 4400 University Dr, 3020 David King Hall Fairfax, VA 22030 Phone: (703) 993-7590 Email: rjonas@gmu.edu
- **Dov Weitman**, Branch Chief, U.S. EPA, Office of Wetlands, Oceans, and Watersheds, 1200 Pennsylvania Avenue Washington, DC 20460 Phone: (202) 566-1207 Email: weitman.dov@epa.gov