

**BRIAN H. HILL**

Supervisory Research Ecologist

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[hill.brian@epa.gov](mailto:hill.brian@epa.gov)Education:

B.A., Botany, University of Montana, Missoula, 1974

M.A., Biology, Mankato State University, Mankato, MN, 1977

Ph.D., Botany, Virginia Polytechnic Institute &amp; State University, Blacksburg, 1981

Employment:

2003-Present Supervisory Research Ecologist, U.S. EPA, Duluth, MN  
2001-2003 Ecologist, U.S. EPA, Duluth, MN  
2000-2001 Ecologist, U.S. EPA, Cincinnati, OH  
1991-2000 Ecologist, U.S. EPA, Cincinnati, OH  
1988-1991 Associate Professor of Biology and Director of the Environmental Sciences Program, Marist College, Poughkeepsie, NY  
1989-1991 Associate Professor of Environmental Studies and Graduate Committee Member, Master of Science Program in Environmental Studies, Bard College, Annandale, NY  
1982-1988 Assistant Professor of Environmental Sciences, Graduate Program in Environmental Sciences, University of Texas at Dallas

Research Interests and Skills:

Functional measures of stream and wetland ecosystem integrity; Great Rivers ecosystems; disturbance ecology

Professional Societies:

American Society of Limnology and Oceanography

Ecological Society of America

North American Benthological Society

Selected Appointments/Honors/Major Awards:

Affiliate Senior Member, Graduate Faculty, Water Resources Sciences, University of Minnesota, St. Paul, 2006 –  
Affiliate Member, Graduate Faculty, Integrative Biological Sciences, University of Minnesota, Duluth, 2006 –  
Adjunct Professor and Graduate Faculty Member, Department of Biology, University of Minnesota, Duluth, 2003 –  
Senior Research Associate, Center for Water and Environment, Natural Resources Research Institute, University of Minnesota, Duluth, 2003 –  
U.S. EPA Bronze Medal for Commendable Service, 2001, 2008  
Scientific and Technological Achievement Award, Level III, 1997, 1999, 2000  
Scientific and Technological Achievement Award, Honorable Mention, 1998, 2002

Selected Publications:

Hill BH, DW Bolgrien (2010) Nitrogen removal by streams and rivers of the Upper Mississippi River basin. *Biogeochemistry*, published on line: DOI 10.1007/s10533-010-9431-8; <http://springerlink.com/content/c2m1n6587t54x333/fulltext.pdf>  
Hill BH, CM Elonen, TM Jicha, DW Bolgrien, and MF Moffett (2010) Sediment microbial enzyme activity as an indicator of nutrient enrichment in the great rivers of the Upper Mississippi River basin. *Biogeochemistry* 97:195-209.  
Hill BH, FH McCormick, BC Harvey, SL Johnson, ML Warren, CM Elonen (2010) Microbial enzyme activity, nutrient uptake, and nutrient limitation in forested streams. *Freshwater Biology* 55:1005-1019.  
Sinsabaugh RL, BH Hill, and JJF Shah (2009) Ecoenzyme stoichiometry of microbial organic nutrient acquisition in soil and sediment. *Nature* 462:795-798.  
Hill BH, CM Elonen, TM Jicha, AM Cotter, AS Trebitz, and NP Danz. 2006. Sediment microbial enzyme activity as an indicator of nutrient limitation in Great Lakes coastal wetlands. *Freshwater Biology* 51:1670-1683.  
Hill, BH, AT Herlihy, PR Kaufmann, MA Vander Borgh, and SJ DeCelles. 2003. Assessment of streams of the eastern United States using a periphyton index of biotic integrity. *Ecological Indicators* 2:325-338.