To the Panel for the Review of the EPA Water Body Connectivity Report: Docket #: EPA-HQ-OA-2013-0582

As professors, scientists and researchers who study our streams, wetlands, and environment, we write to you in support of the EPA Science Advisory Board's Report, *Connectivity of Streams and Wetlands to Downstream Waters*.

Supreme Court decisions and subsequent agency guidance have created confusion and uncertainty regarding what waters are protected under the Clean Water Act. This uncertainty has left nearly 60% of our nation's streams, 20 million acres of wetlands, and the drinking water for 117 million Americans at risk of even more pollution.

The science is clear: pollution that enters an upstream waterway has a demonstrable effect on the health of the waterways it feeds into. If we don't protect the network of streams, headwaters, and wetlands upstream, we have no way of protecting some of our nation's most treasured rivers, lakes, and bays.

The goal of the Clean Water Act is "to restore and maintain the chemical, physical and biological integrity of the nation's waters." Smaller waterways – including isolated wetlands – are an integral part of the nation's network of waters, and provide numerous ecological goods and services of significant value to society. If our nation hopes to achieve the goals of the Clean Water Act, all our streams and wetlands must remain within its jurisdiction.

We urge the Science Advisory Board to finalize a strong report on the connectivity of our waters that reflects the best science available, including that which shows the importance of protecting isolated wetlands across the country.

Sincerely,

Dork Sahagian Professor, Earth and Environmental Sciences Lehigh University

Willem Brakel Adjunct Professor, Department of Environmental Science American University

David Culver Professor, Department of Environmental Science American University Kiho Kim Associate Professor, Department of Environmental Science American University

Stephen MacAvoy Assistant Professor, Department of Environmental Science American University

Peter Armbruster Associate Professor, Department of Biology Georgetown University Lisa Benton-Short Associate Professor, Department of Geography George Washington University

Randall K. Packer Professor of Biology George Washington University

Hartmut G. Doebel Assistant Professor of Biology George Washington University

Samder Hamdar Department of Civil and Environmental Engineering George Washington University

Danmeng Shuai Assistant Professor, Department of Civil and Environmental Engineering George Washington University

Michael Williams Research Assistant Professor, Center for Environmental Science University of Maryland

Kim de Mutsert Assistant Professor Department of Environmental Sci. & Policy George Mason University

David Ownby Professor Towson University

Benjamin Zaitchik Assistant Professor, Department of Earth and Planetary Sciences Johns Hopkins University

Bobb Carson Professor and Dean Emeritus Lehigh University Elizabeth Hoover Assistant Professor of American Studies Brown University

Dov Sax Associate Professor, Ecology and Evolutionary Biology & Center for Environmental Studies Brown University

Dawn King Visiting Assistant Professor of Environmental Studies Brown University

Kurt Teichert Lecturer in Environmental Studies and Mgr. of Env. Stewardship Initiatives Brown University

James Russell Associate Professor, Geological Sciences Brown University

Amy Moran-Thomas Cogut Humanities Center Postdoctoral Fellow, Anthropology Brown University

Caroline Karp Senior Lecturer, Environmental Studies Brown University

Lynn Carlson GIS Systems Manager, Geological Sciences Brown University

J. Timmons Roberts Ittleson Professor of Environmental Studies and Sociology Brown University Evan Preisser Associate Professor of Biological Sciences University of Rhode Island

Peter Paton Professor, Dept. of Natural Resources Science University of Rhode Island

Mark Stolt Professor, Dept. of Natural Resources Science University of Rhode Island

Katrin Jomaa Assistant Professor, Department of Political Science University of Rhode Island

Nancy E. Karraker Assistant Professor of Wetland Ecology University of Rhode Island

Arthur J. Gold Professor, Department of Natural Resources Science University of Rhode Island

Scott McWilliams Professor, Department of Natural Resources Science University of Rhode Island

Graham Forrester Professor, Department of Natural Resources Science University of Rhode Island

Keith Killingback Professor of Biological Sciences University of Rhode Island Laura Meyerson Professor, Natural Resource Science University of Rhode Island

Jose Amador Professor, Natural Resource Science University of Rhode Island

Tracy Proulx Professor, Communication Studies University of Rhode Island

Radha Narayanan Professor, Chemistry University of Rhode Island

Linda B. Bobroff Professor, Dept. of Community Sciences University of Florida

Lawrence Cheskin Professor Johns Hopkins University

Kavi Bhalla Professor Johns Hopkins University

Azadeh Farzin Assistant Professor of Pediatrics and International Health Johns Hopkins University

Ronald Gray Professor Johns Hopkins University

Tonia Poteat Professor Johns Hopkins University

Roger McMacken Professor Johns Hopkins University Thomas Glass Professor of Epidemiology Johns Hopkins Bloomberg School of Public Health

Catherine Shelley Norman Professor, Department of Geography and Environmental Engineering Johns Hopkins University

Katy Fulfer Professor Hood College

Bahram Momen Associate Professor University of Maryland

Sean Berenholtz Associate Professor Johns Hopkins University - Bloomberg School of Public Health

Marcelo Jacobs-Lorena Professor Johns Hopkins University - Bloomberg School of Public Health

Jessica Jones-Smith Professor Johns Hopkins University - Bloomberg School of Public Health

Valeria Culotta Professor Johns Hopkins University - Bloomberg School of Public Health

Robert Lawrence Professor Johns Hopkins University - Bloomberg School of Public Health

Shannon Doocy Associate Professor Johns Hopkins University - Bloomberg School of Public Health Bill Pan Professor Duke University

Jean McGarry Professor Johns Hopkins Univeristy

Raghu Murtugudde Professor University of Maryland

Jennifer Murrow Professor University of Maryland

Thomas May Professor St. John's College

Barbara Crain Research Professor Johns Hopkins University

Yvette Bordeaux Professor University of Pennsylvania

Alaine Plante Assistant Professor University of Pennsylvania

Doug Jerolmack Assistant Professor University of Pennsylvania

Irina Marinov Assistant Professor University of Pennsylvania

David Culver Professor of Environmental Science American University

Stephen MacAvoy Assistant Professor of Environmental Science American University Sharon Austin Associate Professor of Political Science University of Florida

Edward L. Braun Associate Professor, Department of Biology University of Florida

Connie J. Mulligan Professor, Department of Anthropology University of Florida

David G. Oppenheimer Associate Professor, Department of Biology University of Florida

Katrina Z.S. Schwartz Assistant Professor, Department of Political Science University of Florida

Leslie Paul Thiele Distinguished Professor, Department of Political Science University of Florida

V. Bala Chadhary Institute of Environmental Sustainability Loyola University Chicago

Christopher G. Peterson Professor & Academic Chair, Institute of Environmental Sustainability Loyola Univesity

Phillip Drake Professor University of Chicago

Nicholas Guehlstorf Professor Southern Illinois University, Edwardsville

James P. Lodolce, Ph.D Loyola University Rachel Jones Assistant Professor University of Illinois Chicago

Cynthia Klein-Banai, Ph.D Environmental & Occupational Health Sciences University of Illinois

Anne Krantz, M.D., M.P.H. School of Public Health University of Illinois Chicago

Peter Orris, MD, MPH Professor and Chief of Service, Occupational and Environmental Medicine University of Illinois Hospital and Health Science System

Sylvia Hood Washington, PhD, MPH, MSE School of Public Health University of Illinois Chicago

Joseph Zanoni, Ph.D, MILR School of Public Health, Environmental & Occupational Health Sciences University of Illinois at Chicago

David Shoham, Ph.D, MSPH Assistant Professor, Department of Public Health Sciences Loyola University Chicago

Dru Bhattacharya, JD, MPH, LLM Director, Public Health Policy and Management Track, MPH Program Loyola University Chicago

Michael Byrns, PhD Assistant Professor of Environmental Health Illinois State University