

Jonathan W. Bulkley

Vitae

Education:

SB (Political Science) M.I.T. 1961
SB (Civil Engineering) M.I.T. 1961
SM (Civil Engineering) M.I.T. 1963
Ph.D. (Political Science) M.I.T. 1966

Academic Appointments: University of Michigan

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|---------------------|---|------|
| Assistant Professor | School of Natural Resources and Environment | 1968 |
| Assistant Professor | College of Engineering | 1968 |
| Associate Professor | School of Natural Resources and Environment | 1971 |
| Associate Professor | College of Engineering | 1972 |
| Professor | School of Natural Resources and Environment | 1977 |
| Professor | College of Engineering | 1977 |

Selected as the first recipient of the Peter M. Wege Chair of Sustainable Systems, School of Natural Resources and Environment 2000

Military Service

1st Lt. to Capt., USAR Active Duty: 1966-1968

Administrative Activity:

Director, National Pollution Center for Higher Education (1991-1999)
Co-Director, Center for Sustainable Systems (1999-
Co-Director, Corporate Environmental Management Program (2001-2004)

Professional Activities (External to the University):

Appointed: Member of the International Upper Great Lakes Study Board of the International Joint Commission for the Boundary Waters-United States and Canada. 2007-2012

Delegate and Elected Board of Directors (1995-98) Universities Council on Water Resources
Official ASCE Designated Representative, Water Quality 2000 Project, 1989-1993

Appointed by Judge John Feikens, U.S. District Court, Eastern District of Michigan as one of three individuals serving as Special Masters, December 1977-May 1978

Appointed as Monitor by Judge John Feikens, U.S. District Court, Eastern District of Michigan, October 1978-December 1983

Appointed as Monitor by Judge John Feikens, U.S. District Court, Eastern District of Michigan, Three (3) consolidated enforcement cases; Southeast Michigan, 1989-present

Member, State of Michigan Science Committee: Risk Ranking of Environmental Problems (1991-92)

Member, State of Michigan Environmental Science Board (1992-1995)

Chair, Lead Panel, Michigan Environmental Science Board (1994-95)

Member, Education Work Group, National Non-Point Source Pollution Forum, Washington, D.C. (1993-1995)

Member, State of Michigan, Mercury Pollution Prevention Task Force (1994-96)

Professional Activities (External to the University): Continued

Member, Automobile Advisory Pollution Prevention Project (State of Michigan, U.S. EPA, Auto Companies, Environmental Groups) (1994-1998)

Member, Steering Committee; Michigan Auto Project. A collaborative effort between the Michigan Department of Environmental Quality, Ford Motor Company, General Motors Corporation and DaimlerChrysler Corporation(1999-)

Member, Executive Committee. Water Resources Planning and Management Division, ASCE (1997-2002) Note: Because of the consolidation of ASCE's Water Divisions into The Environmental and Water Resources Institute-duties associated with EWRI are continuing from 1 October 1999.

Chairman, Water Resources Planning and Management Council (October 2009-September 2011) Environmental and Water Resources Institute, American Society of Civil Engineers

Member, Environmental Advisory Board, Chief of Engineers, U.S. Army, Corps of Engineers (1995-1999) Served as Chair, 1998-99

Designated by Judge Avern Cohn, U.S. District Court, Eastern District of Michigan, Technical Specialist; enforcement case 1995-1998

Publications:

“Sustainable Water Resources: Issues for Consideration.” The Confluence of Water, Society and Ecological Design, Workshop Sponsored by the City of Chicago at the University of Illinois at Urbana-Champaign. June 9-10, 2004. The Illini Center, Chicago, IL.

“The October 2003 Quantification Settlement Agreement: Implications for Water Management,” in the Proceedings from the UCOWR Conference Portland, Oregon, July 20-22, 2004

“The Environmental Impact of Cruise Ships,” with Juliette Commoy, Cathy Polytika, and Rebecca Nadel. In the Proceedings from the Environmental and Water Resources Institute of the American Society of Civil Engineers, World Congress. Anchorage, Alaska May 15-May 19, 2005

“Rouge River Restoration: Correcting a Major Pollution Source to the Great Lakes.” Presented at the UCOWR Conference, Portland, Maine, July 12-14, 2005, UCOWR 2006

“Global Change Research: Strategic Planning, Knowledge Production and Barriers to Use.” Christine Kirchhoff (Lead Author) and Jonathan W. Bulkley. In the Proceedings from the Environmental and Water Resources Institute of the American Society of Civil Engineers, World Congress 2007. Tampa Bay, FL. May 14-19, 2007

“Implementation and Enforcement of the Clean Water Act: Report from a Special Master and Monitor.” Jonathan W. Bulkley. In the Proceedings from the Environmental and Water Resources Institute of the American Society of Civil Engineers, World Congress 2007. Tampa Bay, FL. May 14-19, 2007.

“The Zambezi River Basin: Potential for Collaborative Water Resource Research.” Christine Kirchhoff (Lead Author) and Jonathan W. Bulkley. In the Proceedings, International Challenges for the 21st Century. 2008 UCOWR/NIWR Conference, July 22-24, 2008. Durham, North Carolina.

“Engineering Sustainable Systems: Sustainable Water Resources Dual Degree Program.” Michael Wiley, Steven J. Wright, Donald Scavia, James Diana, Jonathan W. Bulkley (Jonathan Bulkley presented this paper representing the faculty who worked to formulate this new approved program.) In the Proceedings, *International Challenges for the 21st Century*. 2008 UCOWR/NIWR Conference, July 22-24, 2008. Durham, North Carolina.

"Characteristics of Integrated Water Resource Management in the Zambezi River and the Great Lakes Basins: A Comparison of the Two Approaches." Jonathan W. Bulkley, Imasiku Nyambe (University of Zambia) and Christine Kirchhoff. Proceedings of the World Environmental and Water resources Congress, EWRI/ASCE, May 17-24, 2009, Kansas City, Missouri.

"The Memorandum of Understanding between the University of Michigan and the University of Zambia." Jonathan W. Bulkley, Imasiku Nyambe (University of Zambia) and Christine Kirchhoff. Proceedings of the World Environmental and Water Resources Congress, EWRI/ASCE, May 17-24, 2009, Kansas City, Missouri.

“Sustainable Control of Water-Related Infectious Diseases: A Review and proposal for Interdisciplinary Health-Based Systems Research.” Stuart Batterman, Jonathan Bulkley, Joseph Eisenberg, Rebecca Hardin, Margaret Kruk, Elisha Renne, Maria Lemos, Bhramar Mukherjee, Anna Michalak, Howard Stein, Christy Watkins and Mark Wilson. Proceedings of the UCOWR Annual Proceedings 2009-Urban Water Management

“Potential Dimensions of IWRM: Policy and Institutional Issues.” Jonathan W. Bulkley and Christine J. Kirchhoff. Proceedings of the 33rd International Association Hydraulic Research Conference, Vancouver, British Columbia, Canada. August 9-13, 2009.

“Wet Weather Rules, Regulations and Policies: A National Survey.” Jonathan W. Bulkley, Danielle LeFevre, Hilton Clark, Amy Samples, Ria Berns. Proceedings of the EWRI/ASCE World Environmental & Water Resources Congress 2010. Providence, Rhode Island, May 16-20, 2010.