



David J. Hirschman

AREAS OF EXPERTISE

Over thirty-five years of experience in stormwater, watershed, and water resources management. Experience in local government, non-profit, private, and academic sectors. Strong skills with water resources policy and research, stormwater design, and program implementation. Exceptional communication skills and broad experience with outreach, training, classroom teaching, conference presentations, webcasts, and other forms of communication, ranging from keynote addresses to four-day workshops.

EXPERIENCE

Principal, *Hirschman Water & Environment, LLC* — 2005-Present

Manage small consulting business focusing on implementation of low impact development and green infrastructure projects and watershed planning, including natural resources evaluations, stormwater research, stormwater design and training, and MS4 program support.

Program Director, *Center for Watershed Protection* — 2005-2016

Managed core program areas for the Center, including stormwater and watershed services and watershed training. Developed new projects, secured funding, managed project teams, conducted work, and provided quality control. Projects involved work for government agencies at local, state, and federal levels as well as watershed organizations. Assisted with island-based watershed and stormwater work in Puerto Rico, Guam, and CNMI.

Water Resources Specialist, *Biohabitats of Virginia* — 2004-2005

Provided consulting services on innovative water management for sites and master plans, including water resources plans and ordinances, groundwater assessments, low-impact development design, identification of environmentally sensitive areas, stormwater solutions, and watershed planning. Conducted staff development, training, and education programs for municipal water resources staff, environmental organizations, and the general public.

Water Resources Manager, *Albemarle County, Virginia* — 1993-2004

Responsible for all facets of water resources program, including drinking water reservoir source water programs, stream protection, stormwater management, groundwater, comprehensive planning, policy coordination, and grants/budget management.

Environmental Policy Instructor, *Virginia Tech Department of Urban Affairs & Planning* — 1992

Designed and taught undergraduate environmental policy course covering broad range of environmental policy issues, including energy, climate, water, waste, and biodiversity.

Co-director, *Service Training for Environmental Progress, Vanderbilt University* — 1986-1987

Responsible for day-to-day operation of university-affiliated non-profit environmental agency. Delivered technical assistance to community groups on wide range of water quality, waste management, and regulatory and policy issues.

EDUCATION

Master of Urban & Regional Planning, Virginia Tech, 1999
BA, Biology, Duke University, 1983



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CERTIFICATIONS

Certified Virginia Combined E&S and Stormwater Inspector
Chesapeake Bay Landscape Professional, Level 1, Level 2, and Trainer

REPRESENTATIVE PROJECTS

Stormwater Master Planning, 2004 -- Present

Assisted local governments, non-profits, and private property owners with stormwater planning, prioritization of policies and practices, field evaluations, and practice design. Entities served include the cities of Charlottesville, Waynesboro, Harrisonburg, and Lynchburg, among others, as well as the Rivanna Conservation Alliance.

National Fish & Wildlife Foundation Field Liaison, 2019 – Present

Assist NFWF with stormwater project reviews, site visits, and technical assistance to applicants. Serve as a field presence for the Chesapeake Bay Stewardship Fund to encourage proposals that meet program priorities.

Chesapeake Bay Landscape Professional Certification, 2017 – Present

Helped develop curriculum and serve as lead stormwater instructor for sustainable landscaping and stormwater BMP certification credential. Have led classes in over twenty jurisdictions across the Chesapeake Bay Watershed.

Performance Enhancements for Best Management Practices, 2015 – Present

Working with the Chesapeake Stormwater Network and Center for Watershed Protection, researched various techniques to boost pollutant removal performance in BMPs, including enhanced soil media, internal water storage, and enhanced vegetation design and management. Developed specifications for use of various techniques.

SELECTED BOOK CHAPTERS, GUIDANCE MANUALS, PAPERS & PRESENTATIONS

Hirschman, D., Hathaway, J., Lindow, K., Aguilar, M., Schueler, T., *Updating the Runoff Reduction Method*, for Metro Government of Nashville & Davidson County, Tennessee, Metro Water Services, 2018.

Hirschman Water & Environment, LLC, *Performance Enhancing Devices for Stormwater BMPs: Fact Sheet for Internal Water Storage, Water Treatment Residuals, Biochar, and Vegetation*, for Center for Watershed Protection, 2018.

Hirschman, D. and Battiata, J., *Urban Stormwater Management: Evolution of Process and Technology*, chapter in *Sustainable Water Management in Urban Environments*, Ed. Dr. Tamim Younos and Dr. Tammy Parece, Springer International Publishing, 2016.

Hirschman, D., Caraco, D., and Drescher, S., *Linking Stormwater and Climate Change: Retooling for Adaptation*, *Watershed Science Bulletin*, Association of Watershed & Stormwater Professionals, Spring, pp. 11-18, 2011.

Hirschman, D. and Kosco, J., *Managing Stormwater in Your Community: A Guide for Building an Effective Post-Construction Program*, EPA Publication No. 833-R-08-001, 2008.

PANELS, BOARDS, AND ADVISORY GROUPS

Chesapeake Bay Stakeholder Advisory Group, 2014 -- Present

Virginia Conservation Assistance Program Technical Advisory Committee, 2016 -- Present

City of Charlottesville, Water Resources Advisory Committee, Past-Chair, 2013 -- Present.

South River Science Team, Expert Panel, Virginia Department of Environmental Quality, DuPont, Inc., 2010 – present.