

David Sample
Virginia Tech
Integrated Urban Stormwater Program

My research program focuses on improving our understanding of existing and new urban stormwater treatment practices, and what design and/or operational changes can improve long term water quality performance. As part of this goal, I have or am developing research projects directed at design, monitoring and performance assessment; evaluation of costs and benefits; and generalizing the behavior of control practices known as best management practices or BMPs. My long term objective is to develop design-based hydrologic and water quality models that can predict performance over the entire life cycle, and thus help optimize BMP design.

Ph.D., Civil Engineering, University of Colorado, 2003

M.S., Environmental Engineering, University of Florida, 1984

B.S., Environmental Engineering, University of Florida, 1981

Experience

August 2015 - present – Associate Professor and Extension Specialist, Department of Biological Systems Engineering, Virginia Tech

August 2008 - July 2015 – Assistant Professor and Extension Specialist, Department of Biological Systems Engineering, Virginia Tech

May 2005-June 2008 – Principal Engineer and Practice Leader, Water Resources, Brown and Caldwell, Atlanta, GA.

April 2004- May 2005 – Senior Water Resources Engineer, MACTEC Engineering and Consulting, Kennesaw, GA.

August 2003-April 2004 – Senior Water Resource Engineer, ENTRIX Environmental, Atlanta, GA.

July 2000- August 2003 – Senior Water Resource Engineer, LAW Engineering, Kennesaw, GA.

August 1995-January 1997 – District Engineer, Left Hand Water District, Longmont, CO.

February 1989-May 1993 – City Engineer, City of Gainesville, Gainesville, GA.

September 1988-February 1989 – County Engineer, Columbia County, Evans, GA.

August 1987-September 1988 – Assistant County Engineer, Richmond County, Augusta, GA.

May 1986-June 1987 – Environmental Engineer, GZA Environmental, Newton, MA.

February 1984-May 1986 – Environmental Engineer, US EPA Region 4, Atlanta, GA.

September 1983-February 1984 – Project Engineer, Taulmann Corporation, Atlanta, GA.

September 1982-June 1983 – Water Resource Engineer, South Florida Water Management District, West Palm Beach, FL.

Selected Major Awards

- Chesapeake Stormwater Network, 3rd Place, Ultra-Urban BMP Category, 2014 Best Urban BMP in the Bay, Team award, Adamstown, MD, May 13-15, 2014.
- James River Association, 2nd Place, Site Design, Suburban Mixed Use Category for Virginia's Low Impact Development Competition, Team award, Lexington, Virginia, April 12, 2012.
- American Society of Agricultural and Biological Engineers Blue Ribbon Award, Educational Aids: Comprehensive Publications (33 or more pages), Team award, American Society of Agricultural and Biological Engineers for: Urban Nutrient Management Handbook, Dallas, Texas, July 29-August 1, 2012.
- American Academy of Water Resources Engineers, Diplomat, 2005.