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## **EDUCATION/SPECIAL TRAINING**

Master of Urban Planning, Environmental and Land Use emphasis, University of Kansas, 2002

B.A., Political Science and French, University of Kansas, 1992

Designing and Implementing Best Management Practices, Mid-America Regional Council, 2007

WinTR-55 Small Watershed Hydrology, Jackson County Soil and Water Conservation District, 2006

Using Geomorphology and Natural Channel Design to Achieve Management Objectives, Mid-America Regional Council, 2002

Wetland Construction and Restoration, Wetland Training Institute, 2001

Managing Watersheds for Quality Development, Center for Watershed Protection, 2000

## **EMPLOYMENT EXPERIENCE**

### **Vireo (Formerly Patti Banks Associates) – 2005 to Present**

- **Senior Environmental Planner:** Manages and supports environmental assessment, planning, policy, and design projects. Prepares watershed management and regional conservation plans. Helped develop assessment tools to systematically evaluate natural resource value. Plans and designs stormwater best management practices (BMP) and ecosystem restoration for water quality and combined sewer overflow reduction, and habitat improvement. Helped develop regional stormwater BMP planning and design criteria. Led development of Kansas City, Missouri's award-winning stream setback ordinance. Performs comparative analyses between sustainable and traditional land use and watershed management approaches including an award-winning Alternative Futures Analysis in the Rock Creek watershed in Mission, Kansas; and for the Omaha-Council Bluffs regional sustainable vision plan. Conducts public engagement.
- **Natural Resource Discipline Lead:** Oversees natural resource deliverables and quality control review. Serves on the Vireo management team and assists with business development.

### **University of Kansas Professional Science Master's in Environmental Assessment – 2015 to Present**

- **Lecturer:** Instructed undergraduate and graduate students in environmental impact assessment, regulatory programs, and the National Environmental Policy Act (NEPA).

### **University of Kansas Urban Planning Program – 2010 to 2015**

- **Lecturer:** Instructed undergraduate and graduate students in Environmental Planning Techniques, and NEPA Environmental Assessments.

### **Tetra Tech EM Inc. – 1994 to 2005**

- **Environmental Planning:** Initiated and helped develop Tetra Tech's Kansas City stormwater and natural resource management practice. Managed numerous projects and contracts and assisted with business development. Prepared water resource assessments and plans for the U.S. Army Corps of Engineers and local partners. Helped develop BMP planning and design criteria for the Mid-America Regional Council (MARC) and the American Public Works Association (APWA). Helped design stormwater BMPs, natural treatment systems, and stream restorations;

prepare site plans and construction specifications. Helped develop a comprehensive stream assessment protocol and conducted assessments throughout the Kansas City region. Developed water quality monitoring plans and programs. Assisted with NEPA documents. Obtained over \$250,000 in grant funds for clients. Conducted public involvement and training.

- **Brownfields Redevelopment:** Conducted five area-wide Phase I Environmental Site Assessments (ESA) for U.S. Environmental Protection Agency (EPA) grant-funded projects.
- **Hazardous Waste Programs:** Conducted comprehensive environmental site investigations, field sampling, regulatory compliance oversight, field analysis and data quality control. Conducted site investigations for state and Federal agencies, and regulatory enforcement oversight for EPA. Helped conduct Superfund Innovative Technology Evaluations of field analytical instruments and samplers; and a field training course and online encyclopedia.
- **Team Leader (2001 to 2004):** Oversaw professional duties and responsibilities and assisted with professional development for seven employees.

#### **City of Lawrence, Kansas – 1992 to 1994**

- **Operations Manager Lawrence/Douglas County Household Hazardous Waste (HHW) Facility** – Helped design and manage an 8,000-pounds-per-year HHW program with a \$30,000 annual disposal budget. Managed public waste collections. Supervised seven City and county employees and more than 20 volunteer environmental professionals. Led the HHW Task Force.
- **Waste Reduction Specialist:** Helped design and implement City recycling and waste management programs. Conducted public education and facilitated public advisory boards.

#### **United States Marine Corps Reserve – 1987 to 1993**

- **Nuclear, Biological, and Chemical (NBC) Defense Specialist:** Trained Marines nationwide in NBC defense. Served on NBC reconnaissance vehicle during Operation Desert Storm. Conducted NBC inspections. Honorably discharged with the rank of Sergeant (E-5).

#### **NOT-FOR-PROFIT AND PROFESSIONAL ORGANIZATIONS**

Board of Directors/Past President – Heartland Conservation Alliance, Inc. (Est. 2009; incorporated 2012). President of the founding Board of Directors (2012-2018) for this not-for-profit, regional land conservation organization. Helps direct and support land conservation and restoration programs, and related research. As President was responsible for daily operations of the organization, overseeing development of its operational structure and procedures, vision and mission, and programs. Helped obtain nearly \$1,000,000 in grant funding since inception.

Director – Blue River Watershed Association Director (2007 – 2009) – Vice President (2008), Treasurer (2009). Responsible for day-to-day financial management of over \$120,000 in annual revenue for the organization, which did not have an executive director. Oversaw the organization's accounting service; approved payroll and disbursed funds; prepared financial statements and budgets; reported to the Board of Directors, state and Federal authorities, clients, donors, and granting agencies.

Member – American Planning Association, Kansas Chapter (2002 – Present)

Steering Committee Member – Kansas Alliance for Wetlands and Streams (2002 to 2004)

Director – Heartland Chapter, Academy of Certified Hazardous Materials Managers (1999)

Phi Kappa Phi and Phi Beta Kappa Honor Societies

#### **REFERENCES AVAILABLE UPON REQUEST**

## **PUBLICATIONS (Selected)**

- American Public Works Association (APWA) and Mid-America Regional Council (MARC). 2008. *Manual of Best Management Practices for Stormwater Quality (2nd<sup>st</sup>. Ed.)*. March.
- APWA and MARC. 2003. *Manual of Best Management Practices for Stormwater Quality (1<sup>st</sup>. Ed.)*. September.
- Black & Veatch. 2009. *Rock Creek Watershed Planning/Alternative Futures Study*. Prepared for the U.S. Army Corps of Engineers and the City of Mission, Kansas. September.
- Haag, Dennis A., Mazzeo, Andrew F., and Schulte, Scott A. 2001. "Innovative Technologies for Treatment of Storm Water and Municipal Wastewater." Paper presented at the University of Kansas Environmental Engineering Conference, Lawrence, Kansas.
- Lawrence, B.T., Fromme, J. and Schulte, S.A. 2016. "Renewable Energy Independence in the USA: Towards a Sub-Regional Quantitative Evaluation Methodology." In: Schmitt, H.C. et al. [Hrsg.]: *Dortmunder Beiträge zur Raumplanung (Blaue Reihe)*.
- Mammoliti, Chris S. and Schulte, Scott A. 2004. "Stream and Riparian Assessment System." Paper presented at the American Society of Agricultural and Biological Engineers/Canadian Society for Engineering in Agricultural, Biological, and Food Systems International Meeting. Ottawa, Ontario. August.
- Schlaman, James C., Lawrence, Bryce T., and Schulte, Scott A. 2008. "Incorporating Green Infrastructure and Future Land Use Demand in a CSO Long Term Control Plan." Paper Presented at the Water Environment Federation Sustainability 2008 Conference, National Harbor, Maryland. June.
- Schulte, Scott A. and Bunch, Jeffrey. 2004. "Retrofitting Storm Water Wetlands in Urban Areas." Poster Session at the U.S. Environmental Protection Agency (EPA) 10th Regional Wetlands and Water Resources Meeting, Kansas City, Missouri. February.
- Schulte, Scott A., Elbert-Noll, Patricia A, and Henson, Jeffrey. 2008. "Riparian Buffer Benefits and Kansas City, Missouri's Stream Setback Ordinance." Paper presented at the StormCon 2008 conference, Orlando, Florida. August.
- Schulte, Scott A., Lawrence, Bryce T., and Schlaman, James C. 2007. "Integrating Green Infrastructure into a CSO Long Term Control Plan." Paper Presented at the 51st Great Plains Waste Management Conference, Omaha, Nebraska. March.
- U.S. Environmental Protection Agency (U.S. EPA). 2003. *Field Analytical Technologies Encyclopedia*. Prepared for the Technology Innovation Office. January.
- U.S. EPA. 2001. *Brownfields Technology Primer: Selecting and Using Phytoremediation for Site Cleanup*. Prepared for the Technology Innovation Office. July.
- U.S. EPA. 1999. *Road Map to Understanding Innovative Technology Options for Brownfields Investigation and Cleanup, Second Edition*. Prepared for the Technology Innovation Office.