

**Seth P. Brown**  
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[www.stormandstream.com](http://www.stormandstream.com)

## **EDUCATION**

- Graduated Cum Laude with a B.S. in Civil Engineering from Christian Brothers University, Memphis, Tennessee in August, 1995
- Overall undergraduate GPA of 3.2/4.0, core GPA of 3.6/4.0
- Dean's List recognition (3 semesters)
- Graduated with M.S. in Civil Engineering with an emphasis in Water Resources at the University of Maryland at College Park, College Park, Maryland in August, 1999.
- Graduate GPA of 3.5/4.0
- Thesis titled, "Prediction of Stream Geometry in the Maryland Piedmont Based upon Land Use and Urbanization"
- Research Assistant for University of Maryland Department of Civil and Environmental Engineering, September 1997-December 1998
- PhD Candidate in Civil, Environmental and Infrastructure Engineering program at George Mason University – research on agent-based modeling simulation of market-based frameworks for green stormwater infrastructure investment on private properties – expected graduation, Spring, 2016

## **EXPERIENCE**

### **Storm and Stream Solutions, LLC (S3), April 2013 to Present ([stormandstream.com](http://stormandstream.com))**

*Principal and Founder* – Provide various professional services in the water sector, such as technical review, design and analysis of water resources, stormwater management program support, stream assessment/restoration efforts, and economic analysis of innovative stormwater infrastructure finance approaches such as, public-private partnerships (P3), incentive-based programs, and water quality/quantity trading schemes.

### **Water Environment Federation (WEF), March, 2010 to March, 2015 - ([wef.org](http://wef.org))**

*Stormwater Program and Policy Director* – Lead WEF's stormwater program by working with our members and others in the stormwater community to identify technical needs in the field and develop programming and products to meet these needs. Engage in partnerships with outside groups on collaborative efforts to further the stormwater profession and topic. This position also involves tracking upcoming Federal legislative and potential regulation changes relevant to the stormwater and wet weather community as well as providing general policy support on water sector issues.

NOTE: Currently act as Senior Stormwater Advisory in part-time contractual relationship with WEF.

### **Rummel, Klepper and Kahl, LLP (RK&K), March, 2007 to March, 2010 ([rkk.com](http://rkk.com))**

*Project Manager* - Management of various projects in the environmental field including stormwater management, stream restoration, watershed management, sediment analysis, and development and delivery of technical trainings. Business development, marketing and utilization tasking also included along with technical duties.

### **GKY, Inc., December, 2000 to March, 2007 ([gky.com](http://gky.com)) Senior Water Resources Engineer**

- Management of projects using hydrologic and hydraulic models (HEC-RAS) as well as water quality models (BASINS, SWMM) for watershed and river analysis and stormwater system analysis. Analysis of water quality policies for Federal programs (FHWA, EPA). Specialize in the utilization of GIS for various analyses, watershed management, and stream restoration design. Instructor and

developer of various adult education courses on technically-related topics (E&S control, water quality management) for Federal, State and Local governments.

**Parsons Brinckerhoff Quade and Douglas, Inc., March, 1999 to November, 2000** ([pbworld.com](http://pbworld.com)) *Water Resources Engineer* - Full-time employment in Water Resources division. Use of various hydrologic and hydraulic models for watershed and river system analysis. Use of Geographic Information Systems, such as ArcView, to aid in analyses. Daily use of CADD systems for design purposes. Have performed stream assessment and restoration studies as projects utilizing the Rosgen method. Lead engineer for stream restoration design, which included task management responsibilities.

**Fisher & Arnold, Inc., May, 1995 to August, 1997** ([fisherarnold.com](http://fisherarnold.com)) *Water Resources Engineer* - Employed in Hydraulics and Hydrology division. Use of HEC-1 and 2, HEC-RAS and WSPRO on projects dealing with open channels, bridge hydraulics and scour, and SWM design.

### **CLASSES OF INTEREST**

#### **Undergraduate**

- Hydrology
- Open Channel Design
- Fluid Mechanics
- Introduction to Environmental Engineering
- Advanced Environmental Engineering

#### **Graduate**

- Statistics for Water Resources I & II
- River Engineering Numerical Modeling for Water Resources
- Unit Operations
- Geographic Information Systems for Watershed Analysis
- Environmental Policy
- Advanced Aspects of Natural Resources Economics

### **ACTIVITIES AND ACHIEVEMENTS**

- Registered PE in the State of Maryland
- Certified Master Instructor with National Highway Institute (FHWA)
- Varsity Baseball at Collegiate Level (3 years), Athletic Scholarship

### **CONFERENCES AND SEMINARS**

- Speaker and moderator at ASCE Water 2000 Conference, August, 2000; Minneapolis, Minnesota; one presentation based upon thesis work, one presentation titled, "Using a GIS Based Solution for Watershed Analysis and Automation: A Case Study."
- Speaker and moderator at ASCE Water 2003 Conference, June, 2003; Philadelphia, Pennsylvania; presentation titled, "Automated Hydraulic Analysis: Strengths and Weaknesses."
- Speaker and moderator at Virginia Lakes and Watershed Association (VLWA) Water Conference, March, 2006, "Snakeden Branch Stream Restoration: Then and Now".
- Speaker at VLWA Conference, February, 2010, "Restoration of Four Mile Run: A Status Update".
- Various other presentations made. Details can be provided if requested. See [www.stormandstream.com](http://www.stormandstream.com) for additional information.

### **GOALS**

Further my career as a leader in the water resources and stormwater management sectors through strategic guidance and visioning efforts, especially in alternative financing investigations. Engage in technical and management aspects of large-scale stormwater and wet weather programs and projects. Monitor regulatory drivers and market movements within the stormwater sector at domestic and global scales to discern trends across the sector landscape.