Fitzgerald Environmental Associates, LLC.

Applied Watershed Science & Ecology

Samuel P. Parker

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EDUCATION:

B.Sc. Environmental Science, 2009, University of Vermont, Burlington, VT
Water Resources Focus, Graduated *Cum Laude (*GPA: 3.77/4.0)

PROFESSIONAL EXPERIENCE:

2007 to present, *Staff Scientist,* Fitzgerald Environmental Associates, LLC, Colchester, VT
Specific areas of work includes geomorphic assessments per the Vermont Agency of Natural Resources (ANR) Stream Geomorphic Assessment Protocols, benthic macroinvertebrate sampling and identification, stormwater runoff analysis, GIS and remote sensing.

2008, *Lab Technician,* Vermont EPSCoR: Streams Project*,* University of Vermont (UVM), Burlington, VT
The Streams Project is an effort to collect and process long-term stream phosphorus, *E. coli,* and total suspended solids data on streams in the Lake Champlain Watershed to be used in the Complex Systems Model.

2007 to 2008, *Level III Lab Technician,* Rubenstein School of Environment and Natural Resources Work Study, UVM, Burlington, VT
Worked under Dr. Mary Watzin, director of the Rubenstein Ecosystems Science Laboratory, to develop a photographic guide to common benthic macroinvertebrates in Vt. Developed a soil database of Franklin Co. Soils to be used in SWAT modeling of the Missisquoi River, VT under Lula Ghebremichael, Post-Doctoral Associate.

2006 to 2007, *Shades of Ebony Tutoring Program,* Burlington High School, Burlington, VT
Tutored minority students in grades eight through twelve in chemistry, biology and mathematics.

2006 (Summer), *Environmental Technician,* Charles Chrin Companies, Sanitary Landfill Division, Easton, PA
Worked with the on site environmental scientist, engineer, and surveyor. Responsible for ground and surface water sampling with Pennsylvania's DEP, quantitative gas analysis using the GEM 2000 and GEM 500, and site surveying using the Topcon Total Station GTS 225.

ADDITIONAL ADVANCED STUDY:

2007, *Watershed Field Camp, NR 285*, UVM, Burlington, VT
The 2007 watershed field camp was a trial run for a month-long intensive field study course that focused on biology, chemistry, geology, hydrology, and geomorphology at the watershed scale.

2006 (Spring), Greening of Aiken Internship, NR 285, Rubenstein School of Environment and Natural Resources, University of Vermont, Burlington, VT

AWARDS:

2008 to 2009, Boulder Society, Senior Honors Society, University of Vermont

2006 to 2007, Undergraduate Research Endeavors Competitive Award (URECA)*,* UVM Honors College
Study Topic: The Effect of Stream Geomorphic Variability on Macroinvertebrate Communities in Northwestern Vermont
Description of Work: Sampled and identified benthic macroinvertebrates to genus or family using a taxonomic key and calculated all biological metrics (i.e. Density, Richness, EPT Index, % Model Affinity of Orders, Pinkham-Pearson Coefficient of Similarity--Functional Feeding Groups, etc)