
Chris Gianfagna

Contact

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VT Dept. of Environmental Conservation

1 National Life Dr., Main 2

Montpelier, VT 05602

Technical Skills

- Certified Professional in Erosion and Sediment Control In-Training
- Proficient with MS Word, Excel, Powerpoint, HydroCAD and USGS StreamStats
- Familiar with ArcGIS, RUSLE2, HydroDesktop, HEC-RAS, EPA SWMM, EPA NET, and Win TR-55
- Water Quality Analysis/Instrument Use/Water Quality and Quantity Modeling
- Field Data Collection Skills/Standard Methods
- American Red Cross CPR/First Aid Certified
- NYS Licensed Whitewater Raft Guide

Education

MS Environmental Engineering
Syracuse University

Cumulative GPA: 3.8
Graduation Date: December 2012

BS Environmental Science, minor in Hydrogeology
SUNY Plattsburgh

Cumulative GPA: 3.94
Graduation Date: May 2010

Work Experience

Vermont Department of Environmental Conservation
Environmental Analyst, Stormwater Program

1 National Life Dr., Main 2 Montpelier, VT 05602
February 2014 – Present

Technical review of operational, industrial, and construction stormwater permit applications. Technical design assistance, permit compliance inspections, and jurisdictional determinations.

Syracuse University
Graduate Research Assistant/Laboratory Technician/Teaching Assistant

151 Link Hall, Syracuse NY 13210
August 2010 - May 2012

Led and assisted research projects pertaining to water and soil quality in the Catskill Mountains for the NYC water supply. Led summer research group in stream and soil sampling. Performed laboratory tasks including sample preparation, analysis, interpretation of results, and data management. Taught the recitation section of the Introduction to Environmental Engineering course.

W.H. Miner Agriculture Research Institute
Research Assistant/Laboratory Technician

Miner Farm Rd. Chazy, NY 12921
May 2009 - May 2010

Assisted with various environmental and agricultural research projects including studies on eutrophication of the Little Chazy River, subsurface tile drainage, and groundwater hydrology. Processed stream water samples for phosphorus concentrations using a strong acid digest and colorimetric absorbance methods.

ARO Adventures, B.O.B. Rafting, Whitewater Challengers Inc.

Licensed Whitewater Raft Guide/ Safety Kayaker

Black River/Hudson River, New York

Summers 2006 - Present

Guide customers down demanding whitewater while maintaining a safe and enjoyable environment. Trip preparation and customer service, accompany trip as the Rescue Kayaker. Instill a care of flowing waters in my guests.

ASI Environmental Technologies

Sea Lamprey Research Technician

Dexter Hydro-dam, Dexter, New York 13634

April 2006 - June 2006

Performed field data collection including checking of lamprey traps, marking and releasing of lamprey, and measuring and recording of biological and hydrologic data.

Independent Research**Paper Under Review in Journal of Hydrology: Regional Studies: Watershed area ratio accurately predicts daily streamflow in nested catchments in the Catskills, New York.**

Lead author on a paper analyzing the effects of nested vs non-nested reference stream gages for use with the area-ratio method for prediction of flow in ungaged basins. Publication is anticipated.

Master's Thesis: Estimation of Solute Fluxes from Ungaged Catchments in the Catskill Mountains.

Original research on estimation of flow and dissolved chemical fluxes in ungaged watersheds in the Catskill Mountain region of New York State. Involved development of a method for estimating flow in ungaged catchments and extrapolation of solute concentrations based on limited data. Generated using data from the USGS Stream Network and USGS StreamStats.

Undergraduate Research: Hydrology of a Tile Drained Agricultural Field.

Installed groundwater monitoring wells in a tile drained alfalfa field at the Miner Agriculture Research Institute for determining groundwater elevation and fluctuation upon installation of groundwater control structures in the tile drains. Surveyed the well locations and the topography of the field. Prepared a detailed topographic map of the well field to facilitate future research.

Honors, Awards, and Affiliations

Honors and Awards: Boy Scouts of American Eagle Scout, SUNY Plattsburgh Outstanding Senior in Environmental Science, SUNY Plattsburgh Dean's List 2007-2010, SUNY Plattsburgh Transfer Achievement Scholarship

Affiliations: American Whitewater, The Adirondack Mountain Club