

RICK LEDERER-BARNES

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EXPERIENCE

GIS Specialist / Environmental Planner, Sole Proprietor, Cambridge, NY – April 2012 to Present

Provide contracted support to consulting firms in the Northeast, as well as direct services to municipalities and organizations. Primary focus is on providing geospatial analyses and high quality maps and graphic; whether the focus is a small neighborhood or a large region. In addition, provide planning support from inventory and analyses to testing and editing of zoning.

Village Trustee, Village of Cambridge, NY – July 2010 to present

Involved in all aspects of management for a village of approximately 1,900 residents in rural Washington County, NY. Primary responsibilities include economic development, technology improvements, firehouse feasibility assessment, auditing of bills and budgeting.

GIS Specialist / Environmental Planner, Behan Planning and Design, Saratoga Springs, NY – March 2005 to April 2012

Maintained and managed all Geographic Information Systems (GIS) mapping and analysis within the firm and specialized in cartographic design, data creation and analysis, and build-out analysis. Provided professional planning services in the areas of farmland and open space preservation, zoning, SEQR preparation and review, environmental review and analysis, fiscal analysis, and community visioning. In addition, assisted with meeting facilitation, graphic and web design, photo simulations, business development and marketing. Managed several projects, including the Town of Charlton Farmland Protection Plan, the Town and Village of New Paltz Build-out and Fiscal Analysis, and the Mohawk Hudson Land Conservancy GIS Analysis for Strategic Land Acquisition Planning. Also served as a team member on over 60 planning and design projects for approximately 40 unique clients. Currently providing many of the same services on a contracted basis.

Project Manager & Environmental Scientist, SAGE Environmental, Inc., Pawtucket, RI – June 2000 through June 2004

Managed several remedial sites in the northeast. Responsible for the completion of Site Investigation Reports, Phase I through V reports for MA, and periodic status reports for submission to RI, MA and NY. Authored over 100 ASTM Phase I Environmental Site Assessment Reports, in addition to numerous Phase II Limited Subsurface Investigations for clients in the private sector. Also served as SAGE's GIS coordinator, involving preparation of GIS maps and presentations, training colleagues on the use of ArcView, and updating GIS data sets and improving templates. Additional activities included photo simulations, surveying, sample collection, drilling oversight, NEPA assistance, VT Act 250 preparation, and geologic interpretation.

EXPERIENCE (continued)

Graduate Teaching Assistant, Brown University, Providence, RI - 1998-2000

Physical Processes in Geology - Taught science majors and geology concentrators about rocks, minerals, topographic maps, geologic maps, and geophysics over the course of four lab sessions and two field trips.

Face of the Earth (2 semesters) - Taught non-science majors about rocks, minerals, topographic maps, and geologic maps over the course of four lab sessions and one field trip.

Estuarine Oceanography - Assisted in fieldwork and guiding students through projects.

Summer Research, Union College, Schenectady, NY - 1997

- Computer modeling of drainage network development
- Re-wrote program in Visual Basic, and modified program as needed
- Wrote secondary programs as part of the project

Summer Research, Union College, Schenectady, NY - 1996

- Surface and spring water study of Saratoga County, New York
- Collected and prepared water samples for ICP-MS analyses
- Evaluated connection between surface and spring waters

EDUCATION

Pennsylvania State University, Pennsylvania - Post-Baccalaureate Certificate in Geographic Information Systems - December 2005

Brown University, Providence, RI - ScM, Geology - May 2000

Master's Thesis Title – *A Stratigraphic Record of Intense Hurricane Strikes in Western Connecticut*

Union College, Schenectady, NY - BS, Geology – June 1998

Honors Thesis Title - *Evidence for Late Pleistocene Alpine Glaciation in the Catskill Mountains and Schoharie Valley, NY*

PRESENTATIONS

Northeast Arc User Group Conference 2011, Technical Session: *GIS Analysis to Facilitate Strategic Land Acquisition Planning*

New York State GIS Conference 2009, Poster Presentation: *The Green Infrastructure Network for Saratoga County – Illustrating a Vision*

SUNY Albany GIS/World Town Planning Day (Albany, 2006): *Balancing Science with Community Values for Open Space Conservation*

SOFTWARE KNOWLEDGE

ArcGIS – Desktop, Spatial Analyst and 3D Analyst, Adobe Design Suite, Microsoft Office Suite, CommunityViz, SketchUp, FileMaker, Windows and Mac OS