

KEY QUALIFICATIONS

- Over a decade of experience working to address food and water security issues through research, restoration, education, collaboration, design, and installation.
- Motivated professional with exposure to international, urban, and rural water issues.
- Proven success with both independent and team oriented projects.
- Interdisciplinary education with the ability to adjust and contribute to a variety of situations.
- Work experience in the private, public, and non-profit sectors.

EDUCATION

University of Vermont, Burlington, Vermont

Bachelor of Science, Environmental Studies, 1999. Concentration in watershed restoration.

TEACHING EXPERIENCE

University of Vermont, Burlington, Vermont

Agroforestry and Agroecology in Nicaragua. Plant and Soil Science and Environmental Studies Departments. Summer 2008.
Permaculture Design Certificate Course. Plant and Soil Science and Environmental Studies Departments. Summer 2007.

The Island School, Cape Eleuthera, Bahamas

Permaculture Design Certificate Course. January, 2007.

Yestermorrow Design/Build School, Warren, Vermont

Instructor for two-day and three-day biofuels workshops.
Ecological Water Systems (spring/fall '08)
Ecological Design/Build, Costa Rica, February, 2008.

Project Bona Fide, Ometepe, Nicaragua.

Permaculture Design Course, guest lecturer and course facilitator. February, 2008.

Facilitator: Small-Scale Ecological Water Strategies for the World

Peoples World Water Conference, Delhi, India, 2003.

PROFESSIONAL EXPERIENCE

Round River Design, LLC. Burlington, Vermont

5/01 to Present

Owner

- Seek, provide bids, and oversee contractual work with private, state and local parties.
- Conducted watershed geomorphic assessments, corridor and restoration plans, and riparian restoration projects.
- Manage projects and coordinate labor for permaculture based land development contracts.
- Integrating systems of water, stormwater, irrigation, food systems, agroforestry, and community.

Whole Systems Design, LLC. Moretown, Vermont

1/06 to Present

Project Manager

- Design and implement landscape installations for the development of regenerative systems including wetland, pond, and stream designs as well as agricultural systems.

Bear Creek Environmental, LLC. Middlesex, Vermont

6/05 to 6/07

Consulting Scientist

- Conduct stream habitat and geologic surveys to assess instabilities and the causes of instability, predict future changes, and design and write community based management plans based on these assessments.
- Assist in stream restoration design and oversight of construction practices.

- Conduct habitat and electrofishing surveys and provide data reduction and graphing and assist in report writing.
- Conduct water quality monitoring and report on compliance.

Water Stewards Network, a project of Ocean Arks International, Burlington, Vermont 6/03 to 6/05
Resources Coordinator

- Research low-tech, low-cost sustainable solutions to the global water crisis.
- Develop position papers, presentations, and literature for disseminating this information.

Friends of the Mad River, Waitsfield, Vermont 7/00 to 7/04
Director

- Provide organizational development and administration to non-profit community watershed association.
- Conduct research including a watershed geomorphic assessment, rapid habitat assessment, water quality monitoring, and wildlife monitoring.
- Implement watershed conservation efforts including streambank stabilization, tree planting, and river cleanups and organize, coordinate and oversee volunteer efforts to assist in these projects.
- Provide education and outreach through newsletters, press releases, workshops, promotional materials, and the production of an educational booklet titled, "Caring for the River, Caring for the Land: A guide to living in the Mad River Valley".
- Advocate the mission of the Friends at local and state government meetings and through one on one contact with landowners and residents.
- Oversee the financial resources of the organization through fundraising and grant awards.

FURTHER PROFESSIONAL DEVELOPMENT

- Culvert Design for Aquatic Organism Passage, Vermont 2008 (3 days).
- Small Streams, Timber Harvesting, and Vermont's Acceptable Management Practice, Vermont 2008 (4 hours)
- Keyline Water Systems Design Course, Vermont 2007 (2 days).
- Whole Thinking Leadership Retreat, The Center for Whole Communities, Vermont, 2005 (1 week).
- Permaculture Design Certification Course, The Island School, Cape Eleuthera, Bahamas, 2003 (2 weeks).
 Professionally guided curriculum designing sustainable community, land, water, food, energy, and shelter.

SAMPLE PROJECTS

Teal Farm, Vermont

- Collaborated on the landscape master plan of a 3,600 acre farm featuring numerous components of regenerative agriculture including multi-functional windbreaks, privacy screens, orchard systems, silvopastoral systems, coppice systems, drip irrigation, and aquaculture systems.

Middlebury College, Vermont

- Collaborate to design multi-functional windbreak systems for school garden.

Mill River, Vermont

- Contracted to conduct geomorphic assessment, river corridor plan, fluvial erosion hazard map, and restoration project development for the Mill River.

Winooski River, Vermont

- Contracted to assess, map, and report on stormwater outfalls in Barre City.
- Subcontracted to conduct a multi-phased geomorphic assessment of the Winooski River in the town of Cabot, Vermont.

White River, Vermont

- Subcontracted to develop a river corridor management plan for the Ayers Brook watershed.
- Contracted to implement a multi-tiered revegetation project along a stream channel restoration project on the White River in Granville, Vermont.

Mad and Huntington River's, Vermont

- Contract projects to oversee design and implementation of several riparian forest restoration projects.

GEOGRAPHIC EXPERIENCE

- Two week work travel to Nicaragua and Costa Rica to aide in the work of Project Bona Fide, Ometempe, Nicaragua, 2006.
- Four week work travel to India to attend the Peoples World Water Conference, World Social Forum, and Plachimada Water Conference as a research, network, and presenter of solutions to the global water crisis. January 2004.
- Three months of development work (sustainable building, agriculture, energy systems) and Permaculture teaching, Cape Eleuthera, Bahamas. January 2002, 2003, and 2007.
- Three month study, travel, and teaching trip winter of 2008 in Costa Rica, Panama, and Nicaragua.

SKILLS, INTERESTS, AND COMMUNITY INVOLVEMENT

- Co-founder of “Burlington Permaculture” – a community based group that, “unites neighbors to promote urban agriculture and reforestation, enhance neighborhoods, and strengthen the web of community resources as we look beyond sustainability towards a vibrant healthy relationship with our landscape.”
- Grow Team O.N.E. – worked with a group of neighbors to establish an urban garden on a vacant lot in the Old North End of Burlington.

Web page design:

- <http://www.RoundRiverDesign.com>
- <http://www.FriendsOfTheMadRiver.org>

Board of Director Membership

- Rootswork: Dedicated to promoting and nurturing sustainable agriculture in the Mad River Valley, 2001.

Other:

- Eagle Scout, Boy Scouts of America, June 1995
- Wilderness First Aid (CPR inclusive)