

Ecology and Natural Systems

- Conducts field studies to identify and protect wetland resources including vernal pools; provides guidance for backyard water resource preservation and enhancement; assists with development of open space management strategies.
- Develops and coordinates implementation projects to improve water quality and aquatic habitat in the Mattabeset River Watershed, including stormwater retrofits, stream restoration, and pond enhancement.
- Completed independent and collaborative multi-disciplinary ecological research projects including planning, data collection, statistical analyses, interpretation (eleven years experience).
- Natural systems expertise in microbial, plant, and animal community ecology; specimen collection and identification; ecosystem process rate measurements; and habitat quality evaluation (e.g., meadows, forests, streams).

Environmental Planning

- Evaluates proposed site development plans relative to soil erosion and sediment control, stormwater quality and quantity management, and natural resource protection. Provides reviews to municipal land use commissions on single-family dwellings, residential subdivisions, commercial and industrial developments, and earth excavation operations.
- Participates in Eastern Connecticut RC&D Environmental Review Team evaluations.
- Serves on a local inland wetlands commission. Participates in field walks, evaluation of permitted activities, and regulation reviews and amendments.

Communications

- Participates in the writing, editing, and design of Conservation District Annual Reports, Annual Newsletter, and Tri-Fold Brochure.
- Researched, wrote, and edited technical updates, press releases, corporate statements of qualifications, and newsletters for a New England-based environmental consulting firm with five regional offices.
- Initiated development of over 60 corporate project summaries within two years. Worked with technical staff to design, write, and update summaries as project milestones were met.

Teaching and Workshops

- Developed and presented erosion and sedimentation control and site plan review workshops to land use commissions in the Conservation District and at the Connecticut Association of Conservation and Inland Wetland Commissions annual meeting.
- Developed and taught a three-week AP Environmental Science short-course at the freshman college level for a group of academically advanced high school students.
- Instructed college undergraduates in ecology, introductory biology, environmental science, and physiology courses. Responsible for daily lectures, laboratory exercises, exams, and field activities.

Publications and Presentations

- Published six independent and collaborative research papers in peer-reviewed journals.
- Presented original research at numerous scientific meetings.
- Authored and co-authored articles related to current environmental events for publication in regional trade magazines.

Coordination and Staff Supervision

- Work with Conservation District staff from home District as well as neighboring Districts to develop and implement projects and programs.
- Built consensus among diverse technical staff from five environmental consulting offices to develop technical fact sheets and qualifications materials.
- Supervised two teaching/residential assistants during an intensive environmental short course.
- Worked in a team environment to develop and implement field and laboratory research efforts.
- Supervised professional research staff, undergraduates, and graduate students, including various 2 to 6-person field crews.

Grants Management

- Seeks, obtains, and manages Clean Water Act Section 319 NPS Grants administered by the CT DEP.
- Seeks, obtains, and manages grants for natural resource related projects from local agencies and organizations.
- Managed post-doctoral research budget including workforce, supplies, and travel funds.
- Supported grant writing and development efforts for two ecological research projects.

Computer Skills

Windows /Macintosh OS, Microsoft Office, Database Management (Access 2000), Graphics and Layout (MS Publisher, Adobe Photoshop, Macromedia Freehand, Adobe PageMaker, Adobe Acrobat), Computer-Aided Data Collection, Statistical/Graphical Analysis (Systat, Sigma Plot, Cricket Graph), Communications (Outlook, Eudora, Netscape), GIS (ArcView3.3).

Education

Ph.D. in Ecology & Evolutionary Biology • University of Arizona • 1997
M.S. in Ecology & Evolutionary Biology • University of Arizona • 1994.
B.S. in Biology • University of California, Davis • 1989.

Volunteer Experience

Inland Wetlands and Watercourses Commission • Town of East Haddam, CT • 2000 to present.
East Haddam Village Planning Group • Town of East Haddam, CT • 2001 to present.
Calhoun County Science Explorathon, Battle Creek, MI • 1999
Research Experience for Undergraduates, Kellogg Biological Station, MI • 1998 to 1999
Science-by-Mail Mentor, Tucson, AZ • 1995

Work Experience

Natural Resource Specialist • Connecticut River Coastal Conservation District, Middletown, CT • November 2002 to present.

Intern • Connecticut Department of Environmental Protection, Inland Water Resources Division, Enforcement Section, Hartford, CT • June to September 2002.

Senior Technical Writer • Marin Environmental, Inc, Haddam, CT • November 1999 to June 2002.

Biology Instructor • University of Connecticut, Avery Point, CT • September to December 1999.

Environmental Sciences Instructor • Northwestern University, Center for Talent Development, Hickory Corners, MI • August 1999.

Post-Doctoral Research Associate • Kellogg Biological Station & Center for Microbial Ecology, Michigan State University, Hickory Corners, MI • February 1997 to July 1999.

Graduate Research Assistant • Department of Soil, Water & Environmental Science, University of Arizona, Tucson, AZ • August 1993 to June 1996.

Graduate Teaching Assistant • Department of Ecology & Evolutionary Biology, University of Arizona, Tucson, AZ • January 1992 to December 1996.

Biological Technician Field Supervisor • U.S. Forest Service, Lincoln National Forest, NM • June to August 1992.

Biological Technician • U.S. Fish and Wildlife Service, Anchorage, AK • June to September 1990.

Ecology Research Assistant • Blaustein Institute for Desert Research, Ben-Gurion University, Israel • May 1989 to April 1990.

REFERENCES, PORTFOLIO, AND PUBLICATIONS PROVIDED UPON REQUEST