

Principal

Elizabeth C. Moran, Ph.D., President

Dr. Moran has more than 20 years of experience in limnology and water quality analysis. She has served as technical lead on a number of watershed projects and has worked with multi-disciplinary teams of planners, engineers, and scientists to define the interrelationships between land use, point and nonpoint sources of pollution, water quality standards, and ecological integrity of surface waters. She has experience with regulatory and scientific aspects of water quality based effluent limits, particularly with respect to nutrient and metals issues.

Dr. Moran and her staff at *EcoLogic* are included on the New York State Department of Environmental Conservation list of approved contractors for Fish and Wildlife Impact Assessments for Inactive Hazardous Waste Sites.

As President of *EcoLogic*, she is responsible for managing and reviewing projects.



Velocity measurements across stream channel with current meter.



EcoLogic, LLC

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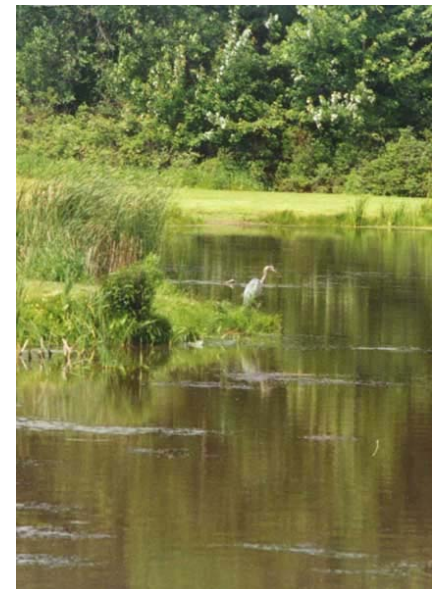
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EcoLogic, LLC

EcoLogic provides environmental analysis, documentation, and permitting expertise to our clients in the public and private sectors. We are a small but growing professional consulting firm.

Our projects focus on identifying effective solutions that protect and restore ecosystem health.



Genesee River, New York.

Visit us at www.ecologicllc.com

Services Provided

EcoLogic offers environmental consulting in watershed management, aquatic and terrestrial ecology, environmental impact analysis, permitting issues, and wetland analysis (delineation, functional assessment, restoration and creation).

The firm is certified as a Woman-owned Business Enterprise (WBE) in New York and Massachusetts.



Pelham Salt Marsh, New York.

Our services include:

Watershed Management

- *Design, implementation, and data analysis for watershed monitoring plan*
- *Assessment of regulatory and programmatic environment*
- *Analysis of water quality problems, causes, and effective solutions*
- *Selection of Best Management Practices for controlling nonpoint sources from developed and agricultural areas*
- *Preparation of reports, presentations, and meeting facilitation*
- *Public outreach*

Aquatic Ecology

- *Analysis of lake, stream, river, and estuarine water quality and ecosystem health*
- *Evaluation of macroinvertebrates, fish, and aquatic vegetation*
- *Permit negotiations for water quality based effluent limits*
- *Dredging for lake restoration*
- *Risk assessment of contaminated sediments*

Environmental Impact Analysis

- *Preparation of environmental impact statements to meet state and federal requirements*
- *NYSDEC Step 1, 2, and 3 Impact Assessment for Fish and Wildlife*
- *Field investigations to support assessment of impacts*
- *Geographical Information System capabilities (ArcView)*

Wetland and Terrestrial Ecology

- *Vegetation identification and mapping*
- *Long-term monitoring programs*
- *Functional value assessment*
- *Wetland delineation and mitigation*
- *Wetland permitting*
- *Design and construction of wetlands to treat wastewater and stormwater*



Sampling for macroinvertebrates.



Fish sampling, Onondaga Lake, New York.

History

Founded in 1997, *EcoLogic* has successfully completed a number of projects addressing restoration and protection issues that challenge some of New York's most important water resources. A partial listing of projects and clients is provided below.

- [Six Mile Creek, NY](#). Riparian zone restoration project, City of Ithaca, NY.
- [Lake Algonquin, NY](#). Dredging feasibility and design project, Town of Wells, NY.
- [Onondaga Lake, NY](#). Ambient monitoring program, Onondaga County, NY.
- [Skaneateles Lake, NY](#). Drinking water supply intake extension, Stearns & Wheler, LLC.
- [Conesus Lake, NY](#). Watershed management plan, Livingston County, NY.
- [Cayuga Lake, NY](#). Restoration and Protection Plan, Regional Planning Board.
- [Lake George, NY](#). Nutrient budget analysis, Stearns & Wheler, LLC.
- [Cayuga Lake, NY](#). Lead scientist: Lake Source Cooling, Cornell University, Ithaca, NY.
- [South Shore Estuary Reserve, NY](#). Comprehensive monitoring strategy, NY Department of State.