

ECOLOGICAL RESTORATION

SURVEY | MAP | ANALYZE | RESTORE | PROTECT



Ecological restoration services aid in the recovery of ecosystems that have become impacted or degraded by past human activities.

[Horsley Witten Group](#) works with state and federal agencies, towns, and cities to provide all aspects of ecological restoration work. Whether we are assisting the US EPA in a Wetland's Protection Act Enforcement case under the Clean Water Act or assisting a town with a park preservation and stream restoration project, we have the qualified experts and years of experience to manage your project.

Fresh water projects may include environmental mitigation, stream restoration and bank stabilization, lake and pond shoreline restoration, woodland and wetland restoration, dam removal, and culvert replacement per state stream crossing standards.



FRESH WATER

Our consulting services include:

- Restoration Planning
- Feasibility Analysis
- Hydrological Analyses
- Biological Surveys
- Technical Studies
- Expert witness services
- Alternatives Analysis
- Engineering design
- Permitting
- Construction Administration & Monitoring
- Assistance with grant funding process
- Public outreach assistance



Ipswich Mills Dam Removal Feasibility Study

Town of Ipswich, MA and Division of Ecological Restoration

In downtown Ipswich a dam has existed at the “head-of-the-tide” Mills site since the mid seventeenth century. The current dam powered mills and manufacturing facilities from the late nineteenth century through the mid twentieth century. We worked with a structural subcontractor, the town, and DER to provide a feasibility study to evaluate how the dam’s removal might affect the community: structurally, environmentally, historically, and economically.



Riverfront Park & Riverfront Restoration

City of Attleboro, MA

We worked with the Attleboro Redevelopment Authority and the Planning and Development Department to re-envision a former industrial stretch of the Ten Mile River. We designed Riverfront Park, a passive recreational area with a multi-use path, canoe access, native landscaping, and park amenities such as benches and picnic tables. Our design also incorporated riverbank and buffer restoration components, and invasive species management.



Fuller Brook Park, Stream Restoration

Town of Wellesley, MA, and BETA Engineering

Fuller Brook Park is a historic and heavily used greenbelt. The park follows Fuller Brook and its tributaries for over two miles, providing active recreation opportunities in a natural setting. Increasing development in the surrounding watershed over many decades has impacted the streams. We provided services to determine restoration goals. We designed the restoration features and helped obtain permits and secured grant funding. This project won an ACEC engineering design award.



Red Lily Pond Restoration

Barnstable, MA

Red Lily Pond is a picturesque coastal pond and stream system that grades from freshwater to saltwater before discharging to the Osterville River in the Craigville Beach area of Barnstable. Over time the pond system has suffered hydraulic and water quality impacts due in part to the construction of undersized road crossings. We helped the homeowner’s association by conducting survey, geomorphic stream assessment, and modeling activities to identify and design solutions: including a nature-like, fish passage.



Aberjona River & Davidson Park Restoration

Town of Winchester, MA

The Aberjona River is the largest tributary to the Mystic River, which empties into Boston Harbor. In the 1930’s the Town created Davidson Park and the river was impounded to create a large, landscaped pond. Over the years the pond gradually filled with sediment and was encroached by invasive species. We worked with the Town to complete a park restoration feasibility study and produced three options for conceptual restoration designs: complete river restoration, managed pond restoration, and a hybrid approach. The goal of the project was to create an optimal balance among sustainable hydraulic river design, habitat enhancement and passive recreation use.