



Stream Restoration Services



Stream restoration is the process of reinstating natural functions to a relocated or unstable stream channel. Stream restoration requires an integrated, multidisciplinary approach that incorporates a diversity of professional expertise from fields ranging from biology and geology to engineering and graphic design. BHE employs a team of specialists that design and implement the most effective restoration methods to successfully achieve our customer's project goals.

BHE's stream restoration team will select appropriate techniques and designs, including placement of specialized in-stream structures, natural channel design, and bioengineering to meet specific requirements of each project. Typical stream restoration goals include compensatory mitigation for development projects, improvement of fisheries, stabilization of eroding banks in urban streams, and the reconstruction of natural channels in streams impacted by human activity.

To support stream restoration projects, BHE prepares required documentation, design plans, and permits; implements the plan by installing structures and reengineering the stream channel; and conducts post-construction monitoring. We have in-depth experience in biological sampling, including methods for assessment of the biological integrity of surface waters. BHE implements these studies using a variety of information and analysis systems including the Scientific Information and Analysis System (SIMAS), a SAS-based data management, statistical analysis, and graphics systems as well as the Geographic Information Systems (GIS), Global Positioning Systems (GPS), and Computer Aided Design (CAD).

SERVICES INCLUDE:

- + Stream Surveys, Inventories, and Biomonitoring
- + Watershed Investigations
- + Hydrologic Modeling
- + Stream Mitigation Design and Implementation
- + Riparian Restoration and Enhancement
- + Stream Restoration in Urban Watersheds
- + Federal and State Stream Restoration Permitting
- + Stream Restoration Construction Monitoring
- + Development of Construction Plans and Specifications

DEFINING ENVIRONMENTAL SOLUTIONS

BHE is an environmental and engineering consulting firm serving private-sector and government clients nationwide. For over 23 years, BHE has delivered unsurpassed quality, integrity, and client stewardship in the following disciplines: Engineering, Site Assessment, Land-use Planning, Cultural and Natural Resources Management, Permitting, Industrial Hygiene & Safety, and Geomatics.