

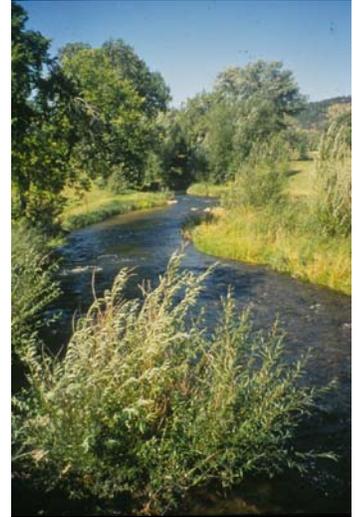


**US Army Corps
of Engineers®**
Engineer Research and
Development Center

Stream and Riparian Ecosystem Restoration and Management

Description ERDC's Environmental Laboratory (EL) provides expertise on restoring and managing streams and riparian ecosystems. Services are available on a reimbursable basis to Corps Districts, DoD military installations, and other Federal and state governments nationwide.

Capabilities ERDC EL provides training and technical services to support the planning, design, execution, and evaluation of ecosystem restoration projects. This capability is based on the considerable experience of our scientists and engineers, and years of research to a) formulate, demonstrate, and disseminate guidance for aquatic and riparian ecosystem restoration, and b) develop analytical and decision support tools needed to assess and restore the ecosystems. Short courses and workshops can be tailored to specific needs and taught onsite. Expert technical assistance is available to assess and prioritize projects, formulate alternatives, develop designs, monitor performance, and support regulatory decisions.



Supporting Technology

- Technical guidance documents developed under the Ecosystem Management and Restoration Research Program (EMRRP) are available at: <http://el.erdc.usace.army.mil/publications.cfm?Topic=technote&Code=emrrp>
- The Ecosystem Management and Restoration Information System (EMRIS) is available at: <http://el.erdc.usace.army.mil/emrrp/emris/emrishelp.htm>.
- The EXpert Habitat Evaluation Procedures (EXHEP) program is an automated means of conducting habitat evaluation analyses in an electronic environment. Information on EXHEP can be found at: <http://el.erdc.usace.army.mil/emrrp/tools/exhep.html>.

Benefits Products from EL research and studies further restoration science and practice, and provide customers with invaluable guidance and tools. Planners, engineers, and regulators involved in stream and riparian restoration and management projects require clear and concise guidelines to ensure compliance with legislative and policy requirements, while also formulating effective restoration projects. Ecosystem restoration relies heavily upon the integration of science and practical experience to provide direction on the best professional practice for projects.

Success Stories ERDC EL researchers have assessed, designed, implemented, or provided technical input on hundreds of restoration projects across the United States and overseas. They have taught more than 200 short courses and workshops, and their products have been integrated into policies and technical guidance for four Federal Agencies and several states.

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