



U.S. Army Engineer
Research and Development Center

Ecosystem Management and Restoration

Description of Technology The U.S. Army Corps of Engineers is required to evaluate the potential for adverse environmental impacts from all its activities. The broad spectrum of these activities and periodic changes to the legislative mandates that govern them demand sound research to develop innovative analytical techniques and procedures for use by the Corps Field offices.

Benefits This technology provides state-of-the-science methods and procedures to predict and analyze environmental impacts of Corps projects and activities with application toward ecosystem management and restoration.

Significant Accomplishments Guidance on stream and riparian ecosystem restoration, enhancement, and management.
Guidance for designing cost-effective wildlife corridors and buffer strips that effectively reduce impacts of Corps Projects.
Guidance for restoring riverine habitats using techniques that improve habitat quality for fish and other aquatic organisms.

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