US Army Corps of Engineers

Threatened and Endangered Species

Description of Technology

The U.S. Army Engineer Research and Development Center-Environmental Laboratory provides expertise on Threatened and Endangered (T&E) Species habitat restoration and management on Civil Works projects and Department of Defense (DOD) military installations. Current emphasis is on analytical methods to determine the suitability of various habitat types for a diversity of sensitive species. An ongoing Ecosystem Restoration and Management Research Program (EMRRP) work unit is investigating sensitive species issues on Corps lands and developing habitat-based guidelines for protection and management of species potentially affected by project operations. A study conducted for the Strategic Environmental Research and Development program (SERDP) provided a regionalized approach to T&E Species management on DOD lands. In this study, methods were developed for assessing and managing T&E species and their habitats, emphasizing (1) regional and community-based strategies, and (2) methods that apply collectively to several species (instead of single species). Several recent studies have been conducted on endangered bats and protected migratory songbirds on Corps and DOD lands.

Examples of Technology Applications and Products

- 18 profiles on T&E Species and Species of Concern published for the SERDP community-based regional study
- 16 Technical Notes published for the EMRRP sensitive species study (examples of species include the least tern, piping plover, bald eagle, and alligator snapping turtle)
- Indiana bat suitability model evaluation for Picatinny Arsenal, New Jersey
- Species profiles on sensitive bat species potentially occurring on Corps projects
- Evaluation of black-capped vireo and golden-cheeked warbler survey data for Camp Bullis, Texas
- Least tern population survey along Red River in Texas, Louisiana, and Arkansas, for U.S. Army Engineer District, Vicksburg, Mississippi
- Study initiated on the potential impacts of military noise on endangered bat species

Point of Contact:

Mr. Chester O. Martin
U.S. Army Engineer Research and Development Center
Environmental Lab
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
COMM (601)-634-3958 or 800-522-6937, ext 3958.
E-mail: chester.o.martin@erdc.usace.army.mil

June 2002