

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Forestry Technical Support, Joint Base Lewis-McChord, WA

Type of Project: Technical Assistance

Project Discipline: Natural

Funding Agency: Department of Defense

Other Partners/Cooperators: Colorado State University

Effective Dates: 9/30/2015 - 9/29/2018

Funding Amount: \$329,364

Investigators and Agency Representative:

Agency:

Investigator: Christine Bern, Center for Environmental Management of Military Lands, Colorado State University, Fort Collins, CO; (970) 491-7190; Christine.Bern@ColoState.EDU

Project Abstract: The Forestry Branch at JBLM manages 52,500 acres of forests, woodlands, and savannas consisting of upland conifer and hardwood stands, forested riparian areas, and oak/pine stands. These lands are managed for military training, forest health, and biodiversity, using ecosystem management. Our program is certified as sustainable by the Forest Stewardship Council.

Forestry recently implemented Forest Projection System (FPS) software to manage our forest inventory and other forestry data, keep track of silvicultural activities, and project forest growth into the future. This combined Access/ArcMap database requires constant effort to input data, manage and query the various data tables, and model future forest stands. All data are spatially related via an ecologically-based GIS forest stand layer. Remote sensing data are used to periodically update the layer and for special projects, such as mapping northern spotted owl habitat.

This task order shall serve to fund the base year of work as part of a multi-year project to provide technical support to the Forestry Branch in using FPS. This project is critical to the long-term conservation and sustainability of JBLM military training lands.

Keywords: forestry, technical support, Colorado State University, Center for Environmental Management of Military Lands (CMML)