

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Support for Natural, Cultural and Educational and Outreach Actions on Fort Campbell, KY

Type of Project: Technical Assistance

Project Discipline: Interdisciplinary

Funding Agency: US Army Core of Engineers

Other Partners/Cooperators: Colorado State University

Effective Dates: 9/28/2010 - 3/30/2011

Funding Amount: \$503,157.00

Investigators and Agency Representative:

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

Project Abstract: This technical support position focuses on the following tasks:

1. Education/Outreach Support: Promote recycling efforts and reduce refuse disposal by development of education plans and educational materials, distributing to installation employees and tenants to include oral and written presentations to target audiences.
2. Forest Inventory and Support: Promote, support and implement the Integrated Natural Resources Management Plan (INRMP) and Forest Management Plan by coordinating and carrying out forestry field projects to include Continuous Forest Inventory, wildland fire, prescribed fire, timber cruising and marking, timber stand improvement, development of silvicultural prescriptions and desired future condition plans utilizing appropriate relational database and GIS/GPS technologies.
3. Urban Forest Management: Promote, support and implement the Integrated Natural Resources Management Plan and the Urban Forest Management plan by carrying out forestry field operations to include urban forest inventory, tree risk assessments, insect and disease monitoring, urban forest development and maintenance for sustainability and forest health analyses utilizing appropriate database and GIS/GPS technologies.
4. Wildlife Biologist (other): Provide biological services and support for Fort Campbell Wildlife Program related to INRMP by developing and implementing grassland management plans and game species management plans, prescribed burning, field condition surveys and remediation plans, game species surveys, and collection and evaluation of game harvest data and fisheries.
5. Wildlife Biologist (Birds): Provide biological services and support for Fort Campbell Wildlife Program related to INRMP and Migratory Bird Treaty Act through monitoring migratory bird species at risk populations, developing and implementing non-game species inventories and surveys, completing quail habitat suitability index model, prescribed burning and managing invasive species.
6. Wildlife Technician: Provides contract support for Fort Campbell Wildlife Program related to INRMP by game species management through mechanical manipulation, herbicide application, establishment of fire control lines for prescribed burning and establishment of food-strips/plots.
7. Endangered Species Biologist: Provide biological services and SME support for Fort Campbell Wildlife Program related to INRMP and the Endangered Species Management Component (ESMC) by updating ESMC, annual reporting, conducting ANABAT/telemetry studies for Indiana bat, performing water quality assessments (biological/chemical) and State endangered plant counts.
8. Aquatic Biologist: Provides SME contract support for Fort Campbell Wildlife Program related to INRMP by completing surface water quality and watershed sampling and analyses, collecting water data to support TMDL development, developing and implementing stream bank restoration projects and collecting weekly water quality data.
9. NEPA Practitioner: Provides contract support for the NEPA Program completing tasks related to NEPA implementation, completes Environmental Assessments and Environmental Condition of Property documents, coordinates NEPA training for the installation and manages Records of Environmental Consideration.
10. Cultural Resources Coordinator: Provides SME contract support by coordinating Cultural Resources program activities for identification and evaluation of all classes of cultural resources including archaeological sites, historic structures and objects,

historic cemeteries, cultural objects and sacred sites, archaeological collections and associated records including coordination with KY and TN State Historic Preservation Offices, and insuring NAGPRA and NHPA compliance.

11. Archaeologist: Provides SME contract support by evaluation and recommended treatment of all archaeological sites, historic structures and objects, historic cemeteries, cultural objects and sacred sites, archaeological collections and associated records with particular attention to both historic and prehistoric archaeological resources and insuring SHPO, NAGPRA and NHPA compliance.

12. Cultural Resources Technician: Provides SME contract support for data collection/data review required for evaluation of archaeological sites, develops and maintains GIS database and instruction for maintaining integrity of cultural resources data and curation materials.

13. Cultural Resources Assistant: Provides contract support for verifying location/conditions of archaeological sites based on existing records, conducting field searches for location of unmarked historic era cemeteries and conducting field inspections of archaeological surveys.

Outcomes with completion dates: March 30, 2011

Keywords: Natural, Cultural, Educational and Outreach Actions, Fort Campbell, KY, Colorado State University