

## **Project Summary**

### **Rocky Mountains Cooperative Ecosystem Studies Unit**

**Project Title:** Planning Level Survey Vegetation Mapping Pilot Study/Training Course

**Type of Project:** Technical Assistance/Education

**Project Discipline:** Natural

**Funding Agency:** US Army Core of Engineers

**Other Partners/Cooperators:** Colorado State University

**Effective Dates:** 9/27/2010 - 9/30/2011

**Funding Amount:** \$295,592 [FY11: \$97,593; FY10: \$194,999]

#### **Investigators and Agency Representative:**

**Investigator:** Gary Senseman, Center for Environmental Management of Military Lands, Colorado State University, Fort Collins, CO; (970) 491-0676;  
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#### **Project Abstract:**

##### **Objectives:**

1. To assess methods of vegetation community delineation to meet planning level survey requirements to improve cost. Specifically, a pilot study to examine methods related to multi-temporal and multi-spectral imagery analysis should be undertaken. A comparative analysis between using single image color airborne imagery and multi-spectral/temporal space based imagery should be completed. Impart findings to Army National Guard environmental employees throughout the states.
2. To develop and teach a resident training course on development and maintenance of vegetation community maps that meet planning level survey requirements. The instruction students receive would enable them to develop and maintain planning level survey vegetation maps for their sites.

**Outcomes with completion dates:** September 30, 2011

**Keywords:** vegetation mapping, planning level survey, training course, Army National Guard, Colorado State University