

Ecosystem Services Student Intern

Work Plan: mid-May 2013 through mid-August 2013 (~12 weeks)

GOALS

- 1. WATER MARKET. Conduct water market demand investigation for wetland and stream mitigation credits throughout Colorado using the HUC-8 watershed boundaries. See attached map. (4 weeks)**
 - a. Call counties, state agencies, utilities (such as Denver Water, Big Thompson Water Project) to learn about planned capital improvement projects that will require wetland mitigation credits. (2 weeks)
 - b. Distill collected information to prioritize HUC-8 watersheds for more in-depth analysis of state trust lands containing wetlands to see if they have potential for wetland mitigation banks. (1 week)
 - c. Identify SLB trustland parcels in High Demand Watersheds with high, medium and low potential for wetland mitigation. (2 weeks)
- 2. BIODIVERSITY MARKET. Assemble collected field data on Lesser Prairie Chicken habitat and identify potential for mitigation opportunities on state trust lands. (5 weeks)**
 - a. Review existing wildlife conservation plans and determine specific SLB strategy for capturing/applying for mitigation potential. (0.5 week)
 - b. Review collected field notes and data from Lesser Prairie Chicken rapid field assessments to assess potential for mitigation. (4.5 weeks)
- 3. CARBON MARKET. Ascertain potential for carbon sequestration on state trust lands through four low-generation sources. (3 weeks)**
 - a. Research measures used to quantify potential carbon assets. (2 weeks)
 - i. Forest Management and Forestry
 - ii. Agricultural soil
 - iii. Grassland management/Livestock
 - iv. Biomass
 - b. Apply carbon quantification measures on state trust lands. (1 week)

32 hours/week x 12 weeks x \$20.00/hour = \$7,680

HUC-8 Watershed Boundaries in Colorado

