

Colorado Forest Restoration Institute-Colorado State University

FY2012 ACCOMPLISHMENT REPORT – December 2012

For FY2012 for Colorado Forest Restoration Institute (CFRI) at Colorado State University was allocated \$150,000 to meet the intent of the Southwest Forest Health and Wildfire Prevention Act of 2004.

This annual report for FY2011 contains information on the following:

- A comparison of actual accomplishments to the goals established for each work plan project. Where the output of a project can be readily expressed in numbers, a computation of the cost per unit may be required if that information is useful.
- Reason for delay if established goals were not met.
- Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.

Explanations are provided for changes or incomplete deliverables. A federal financial report is submitted separately from the Office of Sponsored Programs at Colorado State University to the Southwest Regional Office.

Project 1: Supporting Collaborative Forest Landscape Restoration Projects

Project components:

- Coordinating the implementation and adaptive management of the multi-party monitoring plan for the Front Range Collaborative Landscape Restoration Program
- Assess effectiveness of treatments on attaining desired conditions consistent with restoration and wildfire hazard reduction goals
- Ongoing technical assistance for the Uncompahgre Plateau Mesas Forest Restoration Project: treatment design, ecological and socio-economic monitoring, and adaptive management
- Assessment of aspen dynamics on the Uncompahgre Plateau

Supporting Collaborative Forest Landscape Restoration Projects	
Proposed Project Deliverable	Actual Project Deliverable
Calendar year 2012 ecological and social-economic monitoring report for the Front Range Collaborative Forest Landscape Restoration Program.	In progress. Field data for the 2012 ecological monitoring are being compiled by Forest Service staff on the Arapaho-Roosevelt and Pike-San Isabel national forests and will be delivered to CFRI in early 2013. Data for the 2012 socio-economic monitoring are being compiled by the primary contractor operating in Front Range CFLR project areas (Pam Motley, West Range Reclamation). Primary contact: Hal Gibbs, Arapaho-Roosevelt NF and Pawnee NG.
Calendar year 2012 ecological and social-economic monitoring report for the Uncompahgre Collaborative Forest Landscape Restoration Program.	In progress. The annual multi-party monitoring meeting for the Uncompahgre CFLR typically occurs in February. At February 2013 meeting, CFRI will engage in discussions with Forest Service staff on the Ouray Ranger District about 2012 monitoring data. Primary contact: Tammy Randall-Parker, Ouray District Ranger, and Clay Speas, CFLR coordinator for the GMUG NF.
At least one (1) field-based workshops per CFLR project to review and deliberate treatment effects and desired	1) Co-organized and –sponsored a multi-stakeholder field workshop to the Uncompahgre Plateau June 15-

conditions	<p>16, 2012 to revisit the Uncompahgre Mesas Forest Restoration and aspen treatment areas, and conduct 'citizen science' trainings to gather historic forest field evidence. Attended by over 50 individuals from federal and state agencies, research institutions, industry, and non-governmental organizations. Primary contact: Tammy Randall-Parker, District Ranger, Ouray Ranger District.</p> <p>2) Co-organized and –sponsored a multi-stakeholder field workshop on Desired Conditions for the Upper Monument Creek project area, October 22-23, 2012. Attended by over 40 individuals from federal and state agencies, research institutions, industry, and non-governmental organizations. Primary contact: Sara Mayben, Renewable Resources Staff Officer, or Jeff Underhill, Forester, Pike-San Isabel National Forest.</p>
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Project 2: Addressing Knowledge Needs for Post-Bark Beetle Forest Recovery

Project components:

- Assist efforts to prioritize and assess the effects of post-bark beetle forest treatments
- Expand opportunities to link managerial monitoring of forest recovery and management effects with RMRS post-outbreak research on forest recovery and management effects

<i>Supporting Post-Bark Beetle Future Forest Planning, Analysis, and Monitoring</i>	
Proposed Project Deliverable	Actual Project Deliverable
Participate in assessment and planning events of the Colorado Bark Beetle Cooperative	1) Participated on conference calls with the CBBC Visioning Committee to identify strategies to prioritize desired conditions and treatment areas, Fall 2012. Contact: Sloan Shoemaker, Chair, CBBC.
Convene at least one (1) workshop in partnership with RMRS research scientists and federal and private forest land managers to link managerial monitoring and scientific research	1) Co-organized and –facilitated the field workshop, “Managing post-beetle outbreak forests, fuels, and fire”, with Rocky Mountain Research Station, August 21, 2012, Fraser Experimental Forest. Audience: over 40 individuals from federal and state land management agencies and research institutions. Primary contact: Chuck Rhoades, RMRS.

Project 3: Assessing Treatment Effectiveness

Project components:

- Analyze currently available information on restoration and hazard reduction treatments relative to desired conditions.

<i>Assessing Treatment Effectiveness</i>	
Proposed Project Deliverable	Actual Project Deliverable
Between 1-3 field-based workshops to review and deliberate treatment effects and desired conditions	1) Co-convened a field workshop with the San Juan Headwaters Forest Health Partnership, November 8-9, 2012 on the Pagosa Ranger District to examine and refine desired conditions in light of the Little Sand Fire

	and currently available research on warm/dry mixed-conifer forests in the eastern San Juan National Forest. Primary contact: Steve Hartvigsen, Forester, Pagosa Ranger District.
Between 1-3 written reports on current available evidence or scientific research on treatment effectiveness on wildland fire behavior	In progress: A technical brief summarizing applications and limitations of fire behavior models to assess restoration treatment effectiveness – lead author: Dr. Chad Hoffman, Asst. Professor of Wildland Fire Science, Colorado State University. Estimated completion and distribution: May 2013.

Project 4: Supporting Collaborative Capacity-Building

Project components:

- Current information on biophysical and social science pertaining to forest restoration and fuel reduction
- Current analysis and interpretation on policies and programs pertaining to forest restoration and fuel reduction
- Coordinate and facilitate learning within and between place-based forest collaboratives

Supporting Collaborative Capacity-Building	
Proposed Project Deliverable	Actual Project Deliverable
Between 2-4 site visits or field-based workshops for place-based forest collaboratives to deliver current knowledge and analyses	<p>1) June 19, 2012 – Collaborative field data collection of historic forest structure, Boulder County Open Space, involving nearly 25 individuals from the Front Range Roundtable, including US Forest Service, Colorado State Forest Service, Rocky Mountain Research Station, conservation organizations, timber industry, local community residents, and local media reporters. Primary contact: Chad Julian, Senior Forester, Boulder County Open Space.</p> <p>2) Site visit to the Western Colorado Landscape Collaborative and Uncompahgre Partnership, October 4, 2012. Topic: examine “forest forensics” field data and deliberate desired conditions for forest landscape restoration. Primary contact: Leigh Robertson, Public Outreach and Education Coordinator, Uncompahgre Partnership.</p>