

# Re-establishment of Native Warm Season Grasses in Old-Growth Restoration Areas

## 2006 Accomplishments

### Purpose of Proposal

The purpose and need for this project is to establish native seed and plant sources for natural recruitment and anthropogenic restoration efforts. Implementation of this project will help develop techniques and policies for use of native plant materials on the Ouachita National Forest and encourage state and private groups to use native plant materials. This project will also provide opportunities for cooperation and partnerships with state and non-governmental organizations in the restoration of native plant communities.

### Accomplished Actions

Approximately 55 native plant restoration plots, averaging 20 acres in size and comprising approximately 1,100 acres were established and distributed proportionally within Black Fork, Chula, Grapevine and Robertson Creek Old Growth Management Areas. In addition to native plant plot restoration the entire Grapevine old growth unit (3,500 acres) was NEPA cleared for prescribed burning in order to continue restoration efforts.

### Completed and On-going Actions

- Approximately 4,300 acres were surveyed and NEPA completed to establish restoration project
- Approximately 3,000 acres are scheduled for prescribed burning in Fall 2006 and Spring/Summer 2007
- Approximately 1,000 acres of midstory reduction (2006 – 2007)
- Approximately 200 acres of seed harvesting is planned for October 2006 and 2007
- Approximately 500 acres of mowing, scarification and disking (2007)
- Stump removal, planting, liming, fertilization and monitoring (2007-∞)

### Essential Equipment - Purchased to accomplish project goals:

- Farm tractor, seed flail, seed drill, seed brush (used to process raw seed), breathable poly seed storage bags, sieves for sorting seed, stump grinder, herbicide sprayer



*Restored Plot Showing Desired Condition*

**Year Awarded: 2006**

**Project completion: (in perpetuity)**

**Report number: 1(06) of Annual Report**

#### Expenditures:

- FY06 funding \$137,760,  
Expended - \$120,000;  
Remaining - \$17,000

**Partners/Contractors/Coop  
Quail Unlimited, Arkansas Natural  
Heritage Commission, Arkansas  
Game and Fish Commission**

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