

**National Fish and Wildlife Foundation
Final Programmatic Report**

Project Name and Number: Berry College Longleaf Pine Project #2005-0232-000

Recipient Organization/Agency: Berry College

Recipient Organization Web Address: www.berry.edu

Date Submitted: 10/16/2008

1) Summary of Accomplishments

In four to five sentences, provide a brief summary of the project's key accomplishments and outcomes that were observed or measured. We equipped and trained teams of students for prescribed burning. We prepared 76 acres of land for planting longleaf pine seedlings (31 areas of clear-cuts, 28 acres of selective-cuts, and 17 acres of existing forested area) via herbicide application and prescribed burning. We planted those areas (76 acres total) to an overall density of approximately 300 established seedlings per acre. In addition to conducting site-preparation prescribed burns in these areas, we conducted a fuel reduction (restoration) prescribed burn in a 100 acre area within our relict longleaf pine stands and conducted hack-and-squirt herbicide work on 56 acres where our most dense relict longleaf pine stands were located. We monitored all phases of our work, including conducting detailed fuel and carbon-monitoring work in all managed areas, and initiating a survey of herbaceous plant diversity. We established two seed orchards totaling about 6.5 acres and we assisted our Land Resources department by planting an additional 4 acres of longleaf seedlings in areas that had been logged, but which were not part of our original proposed work. Finally, we conducted substantive public relations work and some professional publication work focusing on research monitoring the progress of our project.

2) Project Activities & Results

If your grant agreement included an approved logic framework, paste the logic framework table here.

Activities

- **Describe and quantify the primary activities conducted during this grant (refer back to your approved logic framework, if applicable).** Based upon the details described in our original proposal, we planned to establish 66 acres at 200 seedlings per acre and 4 acres at 400 trees per acre for a total of 14,800 seedlings. The remaining 150 acres (out of a planned 220 acre total managed area) was to be managed to promote natural longleaf regeneration and restoration of mountain longleaf habitat. The actual totals are as follows: 311 acres in carbon reserve, including 167 managed specifically for longleaf pine and 151 acres being managed for mixed pine-hardwoods. Of the areas being managed for longleaf pine, 76 acres have been planted to an overall density of 297 per acre (established seedlings based upon 1-yr survival rates). The remaining areas that were managed under this grant contain relict longleaf pine stands and were managed by hack-and-squirt herbiciding