



Graduate Research Assistantship in Silviculture and Applied Forest Ecology



The University of Minnesota, Department of Forest Resources, is seeking a Ph.D.-level graduate student to participate in a research project examining the impacts of forest biomass harvesting on primary productivity and carbon and nutrient dynamics. The student will join a team of collaborators from the University of Minnesota, University of Wisconsin, University of Missouri, and USFS Northern Research Station, working to assess the environmental sustainability of woody biomass feedstock procurement from regionally important forest types (aspen and northern hardwoods) within the Lake States.

Within the larger project, the student will utilize field measurements to quantify the immediate impact of biomass removal on carbon cycling and nutrient availability and incorporate the results into ecological simulation models to assess the long-term sustainability of repeated biomass harvests. Experience with and/or interest in ecological simulation models is desired. Research will involve extensive field work across the northern Lake States and the student will be responsible for conducting field and lab work in support of project goals, supervising field and lab assistants, analyzing data and preparing peer-reviewed publications.

The start date is somewhat flexible, but preferably the student will begin classes in Spring 2010. Position is funded for four years from DOE/USDA.

Qualifications: M.S. in ecology, forestry, silviculture, biology or a closely related field. Applicants should be able to work independently, but also cooperatively with other researchers in the lab and on the larger project.

Application materials: Please send a statement of interests and goals, CV, and names and contact information for at least 3 references to Dr. John Bradford (jbbradford@fs.fed.us) and/or Dr. Anthony D'Amato ([damato@umn.edu](mailto:damoto@umn.edu)) or hard copies to 1530 Cleveland Avenue North, 115 Green Hall, St. Paul, MN 55108. **Deadline for receiving applications is November 15.**