

Projects

1. Association Development and Management

Primary activities are program planning and management, field co-ordination, technical meetings, field tours, data analysis, and dissemination of information.

2. Lodgepole Pine Regeneration

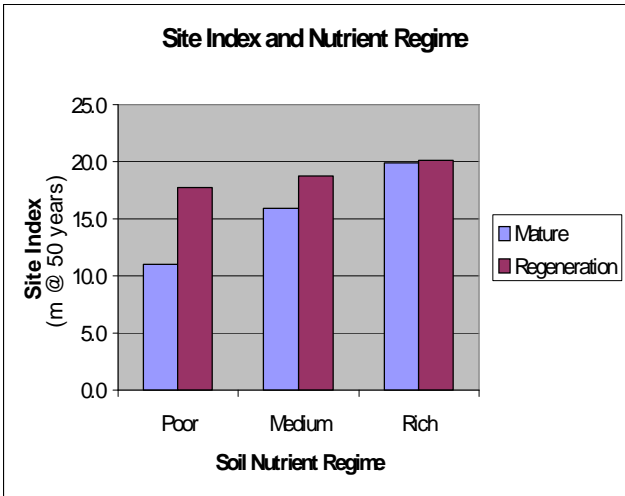
Installation of this field trial was completed in 2002. The replicated trial is designed to assess the development of lodgepole pine, regenerated after harvesting, in relation to site, initial spacing of planted stock, natural ingress and mortality, competing vegetation, and density control. (See map of study area.)



Photographs by B.Crawford courtesy of West Sky Resources

3. Comparison of Pre-harvest and Post-harvest Productivity

This study compared productivity in mature fire-origin stands with that in stands regenerated following harvest. Comparisons involved contemporaneous sampling of paired-plots in adjacent regenerated and parent stands (see map of study area), in combination with analysis of time-series data from permanent sample plots measured before and after harvesting.



4. Cooperative Management of Historic Research Trials

The Association has entered into an agreement with the Canadian Forest Service and the Alberta provincial government to provide forest managers with the continued benefit of historic field trials, some established over 50 years ago. Ongoing activities involve maintenance and protection of the field installations, periodic re-measurement, analysis, and interpretive signage. (See map of study area.)



Photograph courtesy of Weldwood of Canada

5. Regional Yield Estimators

This collaborative project with Alberta Sustainable Resource Development seeks to develop compatible growth and yield estimators, with forward and retrospective projection capabilities that can be linked to forest inventory maps. Results are expected to increase compatibility between current inventory estimates and growth projections.

6. Enhanced Management of Lodgepole Pine

In 2003 the Association successfully submitted a project proposal to the Open Funds Initiative of the Forest Resource Improvement Association of Alberta. The project will address gaps in the knowledge required to enhance lodgepole pine growth and yield through nutrition and density management. Work began in April 2004, with the identification and reconnaissance of stands suitable for experimental treatments.

7. Monitoring and Decision Support for Forest Management in a Mountain Pine Beetle Environment

This project is a FRIAA Open Funds 2007 initiative. The initial three-year project focuses on the development of a decision support tool to provide, (a) Quantitative stand-level projections for predominant post-attack conditions and management intervention alternatives that planners can incorporate quickly into landscape-level and timber supply forecasts; and (b) Silvicultural guidelines for mitigating negative impacts on mid and long-term timber and cover supply.