Small TLEF Project – Final Report

Report Completion Date: (YYYY/MM/DD)

1. PROJECT OVERVIEW

1.1. General Information

Project Title:	Forestry education and demonstration areas at UBC Research Forests		
Principal Investigator:	**Prof. Bruce Larson**		
Project Initiation:	**2013**	**Project Completion:**	**2014**

1.2. Project Summary

A graduate (Hélène Marcoux) and undergraduate (Bridget Connors) student from the UBC Forestry were hired for 2013-2014. These students located, surveyed and mapped a suitable site and researched/designed the layout for the spacing plots (displaying different planting densities). The site (2.6 ha) was cleared and prepped for planting using an excavator and manual labor at a cost of $20,000. This cost was pre-approved for year 2 of the TLEF project implementation, but in the end was NOT funded and it had to be absorbed by the Research Forest. The site was planted in the spring of 2014 with funding provided by a Tree Canada Grant in the amount of $6,400.

1.3. Team Members – *(Please fill in the following table and include **students**, undergraduate or graduate, who participated in your project).*

Name	Title/Affiliation	Responsibilities/Roles
Hélène Marcoux	Graduate student, UBC	Project coordinator
Bridget Connors	Undergraduate student, UBC	Assistant

1.4. Student Impact – *Please fill in the following table with **past**, **current** and **future** courses that have been or will be impacted by your project, including any courses not included in your original proposal. [Note: Adapt this section to the context of your project as necessary].*

Course	Section	Enrolment	Term
FRST 231	Biometrics	200	I
FRST 305	Silviculture	60	I
FRST 351	Interior Field School	60	I
FRST 436	Growth and Yield	5	2
FRST 452	Coastal Field School	50	2
CONS 451	Integrated Field School	50	I

2. PROJECT EVALUATION

2.1. Project Outcomes – *Please list the intended outcomes or benefits of the project for students, TAs and/or instructors.*

The hired students gained valuable experience with the planning, design, and implementation stages of the project. These students worked at the research forests under the direct supervision and guidance of senior staff. By the end of the project, students were familiar with a variety of forestry techniques, including GPS and laser use for surveying, mapping and spatial analysis in GIS software, extension techniques, and standardized protocols for research design in forestry and natural sciences. Long term, this project will produce opportunities for experiential and transformative learning, enriching Forestry students' educational experiences and their understanding of forest dynamics and management. By optimizing the spatial arrangement and timing of development of demonstration site, enduring teaching and learning opportunities will be provided well into the future (40-60 years).

2.2. Findings – *Briefly describe the methods and findings of your project evaluation effort: to what extent were intended project outcomes achieved or not achieved?*

The success of the tree planting was monitored every year and dead trees were replaced in order to maintain the proper spacing in the plots. This project will reap the benefits in 5-10 years when the trees will be big enough to show the effects of initial spacing on their growth.

2.3. Dissemination – *Please provide a list of scholarly activities (e.g. publications, presentations, invited talks, etc.) in which you or anyone from your team have or intend to disseminate the outcomes of this project.*

No publications/workshops have been produced to date.

3. TEACHING PRACTICES – *Please indicate if **your** teaching practices or those of **others** have changed as a result of your project. If so, in what ways?*

As soon as stand dynamic processes are starting to take place, field trips will be planned for approx. 400 students / year. In addition, the sites will be used by visiting researchers and forest practitioners (many of whom were UBC students) for continuing education purposes (approx. 200 / year).

4. PROJECT SUSTAINMENT – *Please describe the sustainment strategy for the project components. How will your work be sustained and/or potentially expanded (e.g. over the next five years)?*

In-kind expertise and funding will be provided by the research forests for project maintenance, including fill-in planting and brushing. We are actively looking for funding for creating extension signs and other materials in order to enhance the interpretation and demonstration values for the sites.