

AWARE Quarterly Progress Report

Project ID: Q7

Core Site: Slave Lake, AB, Canada

Title: How can ALS LiDAR be used to assess product mix based on stem class distribution in mixed boreal systems?

Institution: University of British Columbia

Project Supervisor: Dr. Nicholas Coops

HQP Name: Chris Mulverhill

Committee Members

- See Progress Report Year: 2017 S3
- Names: Dr. Nicholas Coops, Dr. Peter Marshall, Joanne White

Report Period

Year:

- S1
Jan-Apr
- S2
May-Aug
- S3
Sep-Dec

Number of Courses Left to Complete

0

Research Progress During this Reporting Period

- Submitted paper which was accepted into *Forests*
- Began work on analyzing ecological drivers of Stem Size Distributions (SSD)
- Began planning and testing methodology for 2018 fieldwork, which will determine the applicability of terrestrial photogrammetry for measuring stem location, DBH, and upper diameters

Presentations Done

NA

Papers Submitted

Mulverhill, C.; Coops, N.C.; White, J.C.; Tompalski, P.; Marshall, P.L.; Bailey, T. Enhancing the Estimation of Stem-Size Distributions for Unimodal and Bimodal Stands in a Boreal Mixedwood Forest with Airborne Laser Scanning Data. *Forests* **2018**, *9*, 95.

Annual General Meetings

AGM1

- Attended
- Reported results

AGM2

- Attended
- Reported results

AGM3

- Attended
- Reported results

Research Targets for next Reporting Period

Continue analysis of ecological drivers of SSD
Plan and execute 2018 fieldwork

HQP Signature:

Date:

[Signature]
30 APRIL / 2018

Project Supervisor Signature:

Date:

[Signature]
30 APRIL 2018