

AWARE Quarterly Progress Report

Project ID: Q20

Core Site: Newfoundland

Title: Combining Airborne Laser Scanning (ALS) and Digital Aerial Photogrammetry (DAP) to estimate growth rate of stands regeneration after major disturbances using historical photographs

Institution: Université de Sherbrooke

Project Supervisor: Richard Fournier

HQP Name:

Committee Members

See Progress Report Year: ____ Q ____

Names: _____

Report Period

Year: 4

Q1

Q2

Q3

Q4

Apr-

Jul-

Oct-

Jan-

Jun

Sep

Dec

Mar

Number of Courses Left to Complete

Research Progress During this Reporting Period

- Flow chart for the project's method completed
- Study site established to test method and provide preliminary results
- Several aerial photographs and ALS data were acquired for the selected study site
- Production of output data (canopy height model: CHM) using Agisoft Photoscan software
- Error analysis associated to outputs completed with the required adjustments for CHM
- Wrote a discussion on the preliminary results and suggest a way forward to enhance model quality

Presentations Done

- Presentation of the methodology during the AWARE General Meeting in Montreal (June 2018)
- Presentation of the first results during the Student Forum (Mei 2019)

Papers Submitted

None

Format: *Authors (Year). Title. Name of Journal or conference, page numbers*

AGM1

- Attended
- Reported results

AGM2

- Attended
- Reported results

AGM3

- Attended
- Reported results

Research Targets for next Reporting Period

- Enhancing quality of the CHM by using photographs' metadata
- Extend the study site
- Test which environmental factors influence the growth rate of regeneration stands to produce a growth model

HQP Signature: 

Date: May 2019

Project Supervisor Signature: 

Date: May 1 2019