TLEF Project – Final Report

Report Completion Date: (2019/07/29)

1. PROJECT OVERVIEW

1.1. General Information

Project Title:	Augmented Forests: Supplementing Forestry Field Instruction with Virtual Field Instruction and Dynamic Adaptive Quizzing to Build Skills and Knowledge
Principal Investigator:	Patrick Culbert
Report Submitted By:	Patrick Culbert
Project Initiation Date: 04/01/2017	**Project Completion Date:** 05/30/2019
Project Type:	☐ Large Transformation ☒ Small Innovation ☐ Flexible Learning ☐ Other: [please specify]

1.2. Project Focus Areas – *Please select all the areas that describe your project.*

☒ Resource development (e.g. learning materials, media)

☐ Infrastructure development (e.g. management tools, repositories, learning spaces)

☐ Pedagogies for student learning and/or engagement (e.g. active learning)

☐ Innovative assessments (e.g. two-stage exams, student peer-assessment)

☐ Teaching roles and training (e.g. teaching practice development, TA roles)

☐ Curriculum (e.g. program development/implementation, learning communities)

☐ Student experience outside the classroom (e.g. wellbeing, social inclusion)

☐ Experiential and work-integrated learning (e.g. co-op, community service learning)

☐ Indigenous-focused curricula and ways of knowing

☐ Diversity and inclusion in teaching and learning contexts

☒ Open educational resources

☐ Other: [please specify]

1.3. Project Summary

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

Name	Title/Affiliation	Responsibilities/Roles
Rachel Wilson	Graduate Research Assistant	Location Scouting, Script Writing
Natasha Harvey	Undergraduate student	Wordpress Website development
Melody Fu	Melody Fu	Wordpress Website development

1.5. Courses Reached – *Please fill in the following table with* ***past****,* ***current****, and* ***future*** *courses and sections (e.g. HIST 101, 002, 2017/2018, Sep) that have been/will be reached by your project, including courses not included in your original proposal (you may adapt this section to the context of your project as necessary).*

Course	Section	Academic Year	Term (Summer/Fall/Winter)
FRST 201	001	2017 - indefinite	Winter T1
FRST 350	101	2018 - indefinite	Winter T1
FRST 452	201	2018 - indefinite	Winter T2
FRST 559	101	2018 – indefinite	Winter T1

2. OUTPUTS AND/OR PRODUCTS

2.1. *Please __list__ project outputs and/or products (e.g. resources, infrastructure, new courses/programs). Indicate the current location of such products and provide a URL if applicable.*

Product(s)/Achievement(s):	Location:
51 Videos (~1.75 min each) produced and posted to YouTube. As of 07/29/2019, **19,100 views and 375 hours of total watch time.**	http://bit.ly/BCPlants
Coastal Indicator Plants of BC reference website (displays searchable information on the plants and has the YouTube videos embedded)	http://blogs.ubc.ca/coastal-plants/plants-of-bc/
Dynamic quizzing system to aid students in learning plants (undergoing final testing, will launch by September 2019)	http://blogs.ubc.ca/coastal-plants/plants-of-bc/

2.2. Item(s) Not Met – *Please list intended project outputs and/or products that were not attained and the reason(s) for this.*

Item(s) Not Met:	Reason:
Final launch of Dynamic quizzing system	At final testing stage (07/2019), will be live by September 2019

3. PROJECT IMPACT

3.1. Project Impact Areas – *Please select all the areas where your project made an impact.*

☒ Student learning and knowledge

☐ Student engagement and attitudes

☐ Instructional team teaching practice and satisfaction

☐ Student wellbeing, social inclusion

☐ Awareness and capacity around strategic areas (indigenous, equity and diversity)

☐ Unit operations and processes

☐ Other: [please specify]

3.2. What were you hoping to change or where were you hoping to see an impact with this project? – *Please describe the intended <u>benefits of the project</u> for students, TAs, instructors and/or community members.*

3.3. Were these changes/impacts achieved? How do you know they occurred? – *What evaluation strategies were used? How was data collected and analyzed? You are encouraged to include copies of data collection tools (e.g. surveys and interview protocols) as well as graphical representations of data and/or scenarios or quotes to represent and illustrate key themes.*

3.4. Dissemination – *Please provide a list of <u>**past**</u> and <u>**upcoming**</u> scholarly activities (e.g. publications, presentations, invited talks, etc.) in which you or anyone from your team have shared information regarding this project.*

- "Augmented Forests: Supplementing Field Instruction with Video and Adaptive Quizzing". UBC 2018 TLEF Showcase, May 3, 2018. TLEF Poster
- Manuscript in preparation (will survey students after 2019 winter term one prior to planned submission to Natural Sciences Education)

4. TEACHING PRACTICES – *Please indicate if <u>**your**</u> teaching practices or those of <u>**others**</u> have changed as a result of your project. If so, in what ways? Do you see these changes as sustainable over time? Why or why not?*

The videos I produced, and the companion website are used to strongly supplement existing in-class instruction.

5. PROJECT SUSTAINMENT – *Please describe the sustainment strategy for the project components. How will this be sustained and potentially expanded (e.g. over the next five years). What challenges do you foresee for achieving the expected long-term impacts listed above?*

- Videos will likely be useful for 10+ years, as YouTube is a very stable platform
- Reference site and dynamic quizzing system dependent on UBC's continuing wordpress support