Digital Resurrection of Historical Maps using Artificial Intelligence (DRHMAI)

Project Status Report # 10
Sprint #4 (Week 11)

Period ending:	Friday, 07-17-2020

Team Name: FourTrees	Number of Units Completed
Josh Brake	7 pine cones
Krittika Chaurasia	11 pine cones
Mitchell Pask	0 pine cones
Matthew Van Es	12 pine cones

Client:	Brian Low & Jeannette Strand // Natural Resources Canada

At the end of this week:

Number of units remaining in backlog	197
Number of units in progress	5
Number of units in review	0
Number of units completed this week	30
Number of new units identified (additional scope)	0

Describe any tasks that could not be completed and how this is being addressed:

Task	How is this being addressed?
96	Creation of appropriate training data set in progress. Labelling and formatting for use in model training proved to be more time consuming than anticipated.

Describe any tasks that could not be completed and their associated impact:

Task	Impact
N/A	

Provide a schedule of this week's meetings and a summary. Include agenda, minutes.

Team FourTrees:
We hold scrum meetings as a team twice a week, accompanied by informal check-ins over group chat as we work through our tasks. For more formal discussions and decision-making, we hold scheduled voice/video calls as required. In these meetings, we typically do the following: ● Review tasks and discuss questions or issues that come up. ● Share or discuss resources we find for the project. ● Review our project plan and update our sprint/task log. ● Plan for team assignments and check-ins. Over the course of the past two weeks, our team has updated our workflow arrangements. Previously, we each took the lead in a particular area of work, as the initial part of our project involved a lot of research and discussion. However, we are now focusing more intently on development of our project framework and e-portfolio.
Client/Sponsor Meetings:

Sponsor / Stakeholder meeting Thursday, July 16th 2020:
- Demonstrated work with image segmentation and geotiff manipulation
- Shared recent progress and future goals
- Updated list of currently used libraries
  - cv2, rasterio, numpy, matplotlib, gdal, etc.
- Discussed methods for overcoming current difficulties
  - Visual denoising, Feature checking, Nearest neighbour, etc.