

Digital Resurrection of Historical Maps using Artificial Intelligence (DRHMAI)

Project Status Report # 12

Sprint #5 (Week 13)

Period ending:	Friday, 07-31-2020
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Team Name: FourTrees	Number of Units Completed
Josh Brake	10 pine cones
Krittika Chaurasia	15 pine cones
Mitchell Pask	12 pine cones
Matthew Van Es	9 pine cones

Client:	Brian Low & Jeannette Strand // Natural Resources Canada
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At the end of this week:

Number of units remaining in backlog	29
Number of units in progress	34
Number of units in review	0
Number of units completed this week	25
Number of new units identified (additional scope)	21

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

Task	How is this being addressed?
137 and 104	Creating labels manually by hand is time consuming, with the development of a working command line program, this process may now be nearly automated and greatly expedited.
111 (HSV)	Image segmentation based on analysis of the hue, saturation, value (HSV) colour space has been largely successful, however, some inconsistencies continue to appear in the output. This is likely due to high variation in pixel values across different maps (as well as within the same map). This is being addressed through fine-tuning the upper and lower bounds of the map legend categories (i.e. the upper/lower bounds for each of the map legend colours in terms of their HSV values).

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:
<p>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:</p> <ul style="list-style-type: none"> • 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. <p>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.</p>
Client/Sponsor Meetings:
Sponsor meeting postponed until August 6th for final walkthrough.

