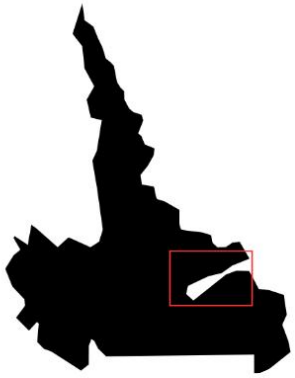
Best Family Traditional Land Use

Thematic Map Project Proposal

ENTR 2020 – Entrepreneurial Skills for Cartographers



Prepared for

GIS Cartography & Geovisualization Faculty, NSCC COGS
Jill Ejdrygiewicz | jill.ejdrygiewicz@nscc.ca
Martha Bostwick | martha.bostwick@nscc.ca

Prepared by

Emily Best Consulting
Emily Best
w0514911@nscc.ca

March 7, 2025

Centre of Geographic Sciences
COGS | nscc

Photos by Emily Best

Project Summary

This proposal is developed as part of ENTR 2020 – Entrepreneurial Skills for Cartographers for Nova Scotia Community College's GIS Cartography and Geovisualization program. The final deliverable map poster will document and visualize traditional knowledge of land use in Lake Melville, Labrador. It will facilitate intergenerational learning and preserve vital cultural information. The project will be implemented over the course of six (6) weeks and the total projected costs are $4,099.30.

Table of Contents

The Cartographer

Along with the following skills Emily Best (the cartographer) has gained in the Nova Scotia Community College's Geographic Information Systems (GIS) – Cartography and Geovisualization program, she also holds a Post-Graduate Certificate in Quality Management from the Marine Institute of Memorial University (2020) and Bachelors of Arts from Memorial University (2018). These accreditations equip her with the tools and skills to efficiently complete the project and stay on track with deadlines. She strives to maintain professional relationships with her clients, and is highly motivated to meet and exceed expectations. She welcomes feedback as it helps her continuously improve her skillset. A copy of her resume can be found in Appendix A.

Relevant skills developed to date include:

- Developed a deep understanding of cartographic standards and design principles;
- Generated clear, concise, and structured reports and final map products;
- Researched, refined, and geoprocessed open-source data to prepare various styles of maps and statistical graphs;
- Produced and stylized maps and infographic posters in a creative manner, applying elements and principles of art and design, while maintaining a logical hierarchy, aesthetics, accessibility, and cohesion in the final product, always keeping the end user in mind;
- Customized final deliverables to the client project specifications/requirements style file;
- Gained proficiency in ArcGIS Pro and Adobe Creative Cloud programs to implement various mapping techniques, styling, and prepare graphic elements, etc.;
- Practiced project & database management, maintaining an organized file structure and meeting deadlines for milestones and deliverables;
- Created press-quality project packages for deliverables and learned map publishing techniques;
- Demonstrated a positive attitude, active participation, and collaboration with colleagues;
- Practiced time-management while goal setting and multi-tasking (handling coursework for up to four courses per semester);
- Assessed personal strengths, sought opportunities for growth, and identified areas for improvement;
- Remained innovative and resourceful, learned from mistakes, and coped with uncertainty;
- Provided constructive feedback, helped others with troubleshooting, and problem solving.

Assessment

Opportunity

For millennia, Inuit have relied on oral tradition to share their invaluable knowledge intergenerationally. Many have been secretive when it came to their subsistence food practices to safeguard actual locations of traditional harvesting areas (Houston & Parrot, 2006).

The cartographer was born and raised in Labrador and continues to live there. She has a good understanding of the mapping resources available through the Newfoundland and Labrador Government (GIS & Mapping Division, n.d.). The Crown has not captured diverse knowledge systems and histories in the province (Department of Fisheries, Foresty, and Agriculture, n.d.).

Documentation of traditional knowledge of land use is in jeopardy of being lost, specifically those pertaining to the family of the Cartographer. Unfortunately, her grandfather was the last of his generation, and he passed away 13 years ago. Her grandmother is suffering with dementia and there is no one left on that side of the family. Because her father is currently dealing with health issues, she would like to gather as much information as possible to preserve her family land use patterns to pass on for generations to come. Note: The term 'land use' includes activities on physical land as well as those on water/ice (rivers, lakes, etc.).

Links to inspiring and existing projects and maps related to the project that may be of interest to the client are included in Appendix B.

Purpose & Solution

This project will help the cartographer better understand her surroundings and family traditions, facilitate intergenerational learning and teaching, and contribute to preserving vital cultural information. It will enhance and strengthen her oral and written communication skills through knowledge keeper interviews, and the development of this proposal. This will ultimately help prepare her with essential skills required as a freelancing cartographer in the future.

The final product will be a cherished piece of family history, and will be useful to anyone who is interested to learn more about local traditional place names and Inuit land use in the Lake Melville area. It will be a cohesively styled, one-sided plotted poster following cartographic design principles and standards. More about design specifications can be found in the *Project Implementation*: *Map Design Specifications* section.

Limitations

This project has a very short timeline, and although the cartographer has many skills and capabilities, she is still learning and developing her expertise.

The cartographer will acquire accurate, up to date, and reliable data for the project and ensure data integrity has been maintained throughout geoprocessing and styling. The cartographer will take every measure possible to ensure data accuracy, and have the knowledge keeper(s) verify data. Some content from original datasets may be not be visualized if it the map appears too cluttered, leaving only the most relevant features.

Project Implementation

Data Acquisition & Software Requirements

Both primary and secondary data will be collected for the project. Open-source vector data from Natural Earth, Google My Maps, and CanVec Series will be utilized to prepare the basemap for the main map and keymaps. Local knowledge keepers will be interviewed so other vector layers can be manually prepared in ArcGIS Pro. See *Map Design Specifications* for more information on data layers. The cartographer had requested vector point, line, and polygon files from the Province of Newfoundland and Labrador via email but was told the dataset for Labrador is incomplete and useful data was not obtained for this project. A *data acquisition* file (see Appendix D) has been prepared for the client regarding data layers and will be submitted via Brightspace on or before the specified deadline as outlined in the *Time Management* section.

The cartographer will prepare the project on an MSI Creator M16 HX C14VFG computer with an Intel(R) Core (TM) i9-14900HX 2.20 GHz, 32GB RAM, 64-bit operating system, and Windows 11. Once data has been successfully processed and manipulated in ArcGIS Pro (3.4.55405) and QGIS (3.38.3), it will then be exported to Adobe Illustrator (28.7.1) for styling. Additional styling may be applied in Adobe Photoshop (26.0.0.26) if required. The final deliverable will be compiled in Adobe InDesign (20.0). Microsoft Teams (2025) is required for weekly meetings and Microsoft Office Suite including Excel, Word, and OneNote will be used for project tracking and proposal development.

Map Design Specifications

The study area of the main map is Upper Lake Melville in Labrador. A small scale keymap of the provincial boundary, and a small scale keymap of Lake Melville will also be included. Hierarchy of importance will be maintained to ensure legibility. A comprehensive breakdown of the design specifications can be found in Table 1.

Table 1

Design specifications for the final deliverable.

Design Specification	Main Map	Keymap(s)
Dimensions	23”x33”	Dependant
Margins or Bleed?	Dependent on design choice	
Output Format	One-sided, plotted poster, matte finish (lamination optional)	
Symbology/Styling	To be confirmed after design samples have been discussed with client	
Projection	North Pole Azimuthal Equidistant WKID 102016 *Central Meridian:* -60.021423	*Latitude of origin:* 53.455089	
Marginalia & Surround	Title, legend, scale bar, north arrow, school logo, student disclaimer, references, sources and credits, projection and graticule TBD	Scale bar
Data Layers (See *Data Acquisition* file)	This may evolve after speaking with knowledge keeper(s): Points of interest landmarks with local place names Points of interest - Subsistence (hunting, fishing, gathering, water holes) - Recreation (beaches, boil-up spots) - Cabins/tenting/camping spots - Places of significance (eg: graveyard) - Danger zones (modern day and traditional for ice) - Water/ice access launches Hydrography – rivers and lakes Boundaries Land Ocean	Less cluttered version of main map
Area of Interest Visualized & Scale	Upper Lake Melville of Labrador (~ 1:100,000 scale	1. Full view of provincial boundary of Labrador; 2. 1:500,000 of Lake Melville
Title	TBD – Best Family Traditional Land Use?	
Narrative	Include narrative with information about family, points, etc.	

Production Phases

The initial concept was discussed with the client on February 12, 2025 with aid of a digital presentation created in Canva (Appendix B). The cartographer will maintain regular communication with the client at every stage (Table 2) to remain efficient and ensure the end-product meets the client standards. It is important to note that major design changes will not be made after design and style choices have been confirmed by the client. Refer to the *Terms & Conditions* section for more information regarding revisions requests.

Table 2

Stages of project production.

Task	Timeframe
DEVELOP PROPOSAL	
DELIVERABLE (CONCEPT SKETCHES) DUE March 2, 2025	
Prepare draft proposal & concept sketches	Feb 28-Mar 7, 2025
Edits & finalize	
DELIVERABLE (Proposal) DUE March 7, 2025	
ACQUIRE DATA	
Data research & acquisition	Feb 28-Mar 7, 2025
Data familiarity & preparation	
DELIVERABLE (Data Acquisition File) DUE March 7, 2025	
BEGIN MAPPING	
Prepare project files, set up project database & map properties	Mar 7-Mar 21, 2025
Geoprocessing (geocode, clip, join, generalize, etc)	
Begin experimenting with styling & symbology	
DELIVERABLE (Design Samples) DUE March 21, 2025	
FIRST DRAFT	
Finalize styling choices with client	Mar 21-Apr 4, 2025
Labelling & annotation	
Create layouts & export	
Finalize styling in Illustrator/Photoshop	
Compile draft layout in InDesign	
Review & edit	
Peer & self critique	
DELIVERABLE (Draft) DUE April 4, 2025	
FINAL DELIVERABLE	
Final revisions & submission	Apr 4-16, 2025
DELIVERABLE (FINAL POSTER) DUE April 16, 2025	

Client Engagement Strategy

Regular cartographer-client check-in meetings will be conducted weekly on Tuesday mornings from 10:50am-11:10am AST via Microsoft Teams from March 4, 2025 to April 15, 2025. This will provide the project team the opportunity to discuss project progression until acceptable visualization is achieved or the deliverable has been submitted. A detailed personal assessment form will be delivered to the client at least two (2) days before the scheduled meeting time to provide the client an outline of the progress of the project, including completed and outstanding tasks, next steps, etc.

The cartographer is also required to meet with two (2) designated colleagues for up to two (2) hours on Thursday afternoons from 12:30pm-2:30pm AST (or another mutually agreed upon time) via Microsoft Teams starting March 20, 2025 to April 10, 2025. This collaborative exchange will provide an opportunity to discuss ideas, make suggestions, offer advice, and critique each other's work.

The client may communicate with the cartographer via instant message and video call in Microsoft Teams, or via email (included on proposal cover page). Specific requests will be addressed as stated in the *Deliverable Specifics* section. It must be noted that the cartographer will be unavailable between March 10-14, 2025 for study break, and on weekends. The cartographer will respond to client requests during regular office hours Monday to Friday.

Deliverable Specifics

Deliverables will be submitted by both parties as outlined in the following section, in the *Time Management* section, and in the Gantt chart in Appendix E.

Cartographer Deliverables

- Prepare and submit the *Personal Assessment Form* for the client at least two (2) days before the scheduled weekly meeting check-in.
- Provide the client a minimum of three (3) different style/design test samples in a PDF by the specified milestone deadline. Designs will be consistent in size and represent the section of the map that will have the most challenges in the design/style phase. It will include an excellent sample of features that will be included on the final deliverable, and be drawn to scale (including a scale bar). The samples will include various colour schemes, palettes, textures, fills, line weights and outlines the client and cartographer will choose for the final deliverable.
- Consider constructive and subjective feedback, and justify why certain suggestions and/or edits will or will not be implemented. Decisions must be communicated verbally and delivered in writing via email within two (2) business days.

- Carefully implement all requested error corrections within two (2) business days of receipt.
- Submit a press-ready product, along with an organized and well-structured project file package to the client on or before the specified deadline as outlined in the *Time Management* section. This includes, but is not limited to, files such as ArcGIS Pro project package, Adobe Illustrator package, Adobe Photoshop files, Adobe InDesign package, font files, sourced data, images, photos, logos, etc.
- Submit other deliverables on Brightspace as outlined in the *Time Management* section.

Client Deliverables

- Clearly communicate expectations, constructive feedback, suggestions, and/or edit requests in writing via email within two (2) business days of the assigned meeting times.
- Communicate in writing via email the approval of the final deliverable for printing within two (2) business days of receipt.

Time Management

The project will be completed over the course of seven (7) weeks from February 28, 2025 to April 16, 2025. The cartographer will be off for the week of March 10-15, 2025 for study break, but will continue to make progress on the milestones during that time at her leisure.

To ensure the project remains on schedule and that deliverables are completed on time, a Gantt chart has been developed and included in Appendix E. The Gantt chart will be updated regularly by the cartographer to monitor the progress. Project milestones have been included Table 3.

Table 3

Breakdown of project milestones to be submitted on Brightspace (with deadlines).

Milestone	Due Date
Initial Project Discussion	February 12, 2025
Initial Concept Sketches	March 2, 2025
Data Acquisition File	March 7, 2025
STUDY BREAK - March 10-15, 2025	
Design Samples	March 21, 2025
Draft Poster	April 4, 2025
Final Deliverable	April 16, 2025

Financial Breakdown

The overall costs for this project are projected to be $4,099.30. Table 4 has a full cost breakdown. Quotes can be found in Appendix F.

Table 4

Breakdown of project costs.

	Hours	CAD $
Labour ($50/hour)		
Production		
Data Acquisition	5	$ 250.00
Georeferencing & Cartography	20	$ 1,000.00
Design Styling & Symbology	15	$ 750.00
Edits & Corrections	12	$ 600.00
Layout & Enhancements	7	$ 350.00
*Additional Client Revisions^*	3	$ 150.00
Prep File for Delivery to Printer	2	$ 100.00
Client Meetings	3	$ 150.00
Client & Team Meetings	7.5	$ 375.00
Administration		
Completing forms	3	$ 150.00
Correspondence & Misc.	2.5	$ 125.00
TOTAL HOURS	**80**	
Printing		
Printing Press*		
Poster Print		$ 29.99
Service Fee		$ 1.99
Lamination (Optional)		$ 15.99
Shipping		$ 9.99
Technology		
Software & Hardware Flat Fee**		$ 25.00
Transportation	***Kilometres***	
Mileage calculated at 54.46 ¢/km***		
Return Trips to Interviews (~ 10 km/trip	30	$ 16.34
TOTAL PROJECTED COSTS		**$ 4,099.30**

^Additional hours to complete revisions outside the allotted amount, or if there is time sensitive issue may be subject to a higher fee.
*Quote was prepared on March 2, 2025 and price is subject to change when deliverable is sent to press.

**Software & hardware already purchased through NSCC program but this is flat rate cost recovery fee.

***As per Government of NL Automobile Reimbursement Rates.

Terms & Conditions

The final deliverable will be submitted to the client on or before April 16, 2025 at 4pm AST. The client will then review the final product and designate a grade to the cartographer.

The cartographer will craft the final deliverable with attention and care, and meet or exceed the client's expectations. The cartographer will adhere to ethical, moral, and cartographic standards, and produce a product that is free of spelling, punctuation and grammatical errors.

The client may request minor modifications with up to three (3) revisions after the first draft has been submitted. Any additional revisions or revisions requested after the final draft has been sent to press (including time-sensitive issues) may be subject to fees higher than the normal hourly rate.

This proposal must not be used to generate profit but if this were a real-life scenario proposal, the client would be subject to invoice terms (payments due at specified milestones, interest rates if payment is overdue, etc.).

The proposal and map(s) in this project are produced as a portion of the requirements of the GIS: Cartography and Geovisualization program of the Centre of Geographic Sciences, NSCC, Lawrencetown, Nova Scotia. The product is unedited, unverified and intended for educational purposes only. © COGS 2025. Cartography by Emily Best, 2025.

References

Deer, K. (2020). Beaded map of Canada creates 'a sense of community' among Indigenous artists amid pandemic. *CBC Indigenous*. https://www.cbc.ca/news/indigenous/beaded-map-canada-completion-1.5712673

Department of Fisheries, Foresty, and Agriculture. (n.d.). *Geographical names.* Government of Newfoundland and Labrador. https://www.gov.nl.ca/ffa/lands/maps/geographical/

Free Word Cloud Generator. (2025). https://www.freewordcloudgenerator.com/

GIS & Mapping Division. (n.d.). *Open data.* Department of Fisheries, Foresty, and Agriculture, Government of Newfoundland and Labrador. https://www.gov.nl.ca/ffa/lands/maps/geographical/

Houston, G. & Parrot, Z. (2006). *Inuit traditional stories.* The Canadian Encyclopedia. https://www.thecanadianencyclopedia.ca/en/article/inuit-myth-and-legend

NunatuKavut Community Council. (2025). *Who we are*. https://nunatukavut.ca/about/who-we-are/

Razavi, K. (2022). Dealing with ‘erasure’: The role of Indigenous knowledge in drawing maps of Canada. *Global News*. https://tinyurl.com/erasureglobal

Staples Canada. (2025). *Document printing solutions*. https://www.staplescopyandprint.ca/

The Rooms. (2024). From this place: Our lives on land and sea. St. John’s, N.L.

Wikipedia. (2024). *Flag of Nunatsiavut.* https://en.wikipedia.org/wiki/Flag_of_Nunatsiavut

Appendix A: Cartographer's Resume

Emily Best

Happy Valley-Goose Bay, NL | w0514911@nscc.ca

Core Competencies

Organized | Quality Management | Health & Safety Experience | Continuous Improvement | Time Management | Communication Skills | Creative | Detail Oriented

Professional Experience

2021-2024 SmartICE Foundation Inc.; Development Officer

2020 – 2021 SmartICE Sea Ice Monitoring & Information Inc. (via Canada's Ocean Supercluster Indigenous Career Pivot Project); Northern Communications Lead

2019 – 2020 Nunacor Development Corporation; Executive Assistant to the CEO

2018 – 2019 Marine Institute of Memorial University/Tra Vinh University, Vietnam; International Youth Internship Program

Education

In Progress Nova Scotia Community College; Geographic Information Systems (GIS) – Cartography and Geovisualization

2023 Haliburton School of Art & Design – Fleming College; Certificate in Ceramics

2018-2020 Marine Institute of Memorial University of Newfoundland; Post-Graduate Certificate in Quality Management

2011-2017 Memorial University of Newfoundland; Bachelor of Arts Degree Major in Geography, Minor in Business Administration

Proficiencies

GIS & Related Software/Coding: ArcGIS Pro, ArcGIS Online, Python, SQL, PgAdmin 4 (Open-Source), draw.io (Open-Source), Visual Studio Code, IDLE Shell for ArcGIS Pro, QGIS Desktop

Productivity Apps: Microsoft Office Suite, Google Suite, Microsoft Teams, Zoom, YouTube, iMovie, Canva, Asana, Trello, Slack, Evernote, Dropbox, Google Drive, Mailchimp, Constant Contact, Adobe Acrobat, Adobe Illustrator

Appendix B: Resources

Best, E. (2025). *Best family map & Gazetteer of Upper Lake Melville* [Presentation]. Canva. https://tinyurl.com/bfmgulm

Department of Fisheries, Forestry, and Agriculture. (n.d.). *Geographical names.* Government of Newfoundland and Labrador. https://tinyurl.com/govnlgeo

Engler, N. J., Scassa, T., & Taylor, D.R. F. (2013). Mapping traditional knowledge: digital cartography in the Canadian north. *Cartographica, 48*(3), 189-199. https://utppublishing.com/doi/10.3138/carto.48.3.1685

Fisheries and Oceans Canada. (2023). *Community-based coastal resource inventory* (9d4d922e-0c92-4410-8411-7dea058a2288) [Data set]. Government of Canada. https://tinyurl.com/foccbcri

Indigenous Peoples Atlas of Canada. (n.d.). *Oral Tradition*. Canadian Geographic. https://tinyurl.com/ipaofcot

Innu Nation & Sheshatshiu Innu First Nation. (2008). *Introduction to Pepamuteiati nitassinat: as we walk across our land.* Innu Places. https://tinyurl.com/innushesh

Handcock, W. G. (2011). *An introduction to geographical names and the Newfoundland and Labrador Geographical Names Board*. Government of Newfoundland and Labrador. https://tinyurl.com/handcockwg

Natural Resources Canada. (2025). *Indigenous traditional knowledge stream: flood hazard identification and mapping program funding opportunities for the Indigenous traditional knowledge stream for fiscal years 2024–2025, 2025–2026 and 2026–2027*. Government of Canada. https://tinyurl.com/nrcitks

Pilgrim, R. (2023). Lake Melville place names [Google My Maps]. https://tinyurl.com/rplmpn

Prairie Climate Centre. (2019). *Indigenous knowledges*. The Climate Atlas of Canada. https://climateatlas.ca/indigenous

Rankin, L., Handcock, G., Ramsden, P., Rollmann, H., & Wharram, D. (2008). *Toponymic and cartographic research conducted for the Labrador Métis Nation. Memorial University*. https://tinyurl.com/toporep

Razavi, K. (2022a, December 14). Dealing with 'erasure': The role of Indigenous knowledge in drawing maps of Canada. *Global News*. https://tinyurl.com/erasureglobal

Razavi, K. (2022b, December 14). The role of Indigenous knowledge in drawing maps of Canada. *Global News*. https://tinyurl.com/roleindknow

SmartICE. (2025a). *Mittimatalik (Pond Inlet) Inuit Qaujimajatuqangit ice safety Mapping*. https://smartice.org/ice-safety/

SmartICE. (2025b). *New – Nain seasonal maps*. https://smartice.org/ice-safety-nain-2024/

UBC First Nations Studies Program. (2009). *Oral traditions.* Indigenous Foundations. https://indigenousfoundations.arts.ubc.ca/oral_traditions/

Vertex42. (2020). Gantt chart template [Excel]. Vertex42.com

World Historical Gazetteer. (2025). World Historical Gazetteer linking knowledge about the past via place. https://whgazetteer.org/

Appendix C: Sample Maps & Initial Design Ideas

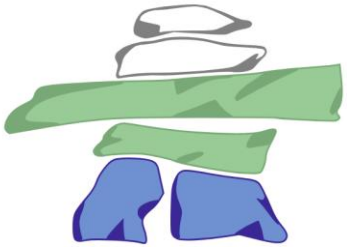
Figure 1

The cartographer's Indigenous group is NunatuKavut Community Council.

Note. NunatuKavut's logo on the left and flag on the right (NunatuKavut Community Council, 2025).

Figure 2

The Inukshuk from Nunatsiavut's flag.



Note. From Wikipedia (2024).

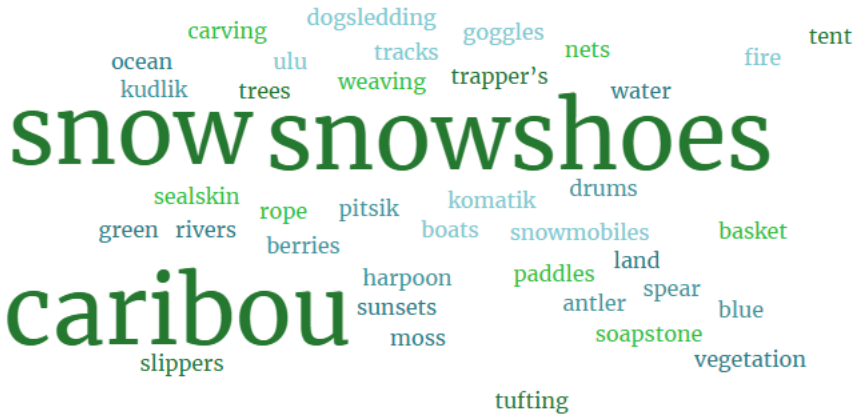
Figure 3

A map of Canada created with beads by Indigenous artists.

Note. Beadwork by Amanda Laliberte, Ashley Copage, Ashley McKenzie-Dion, Didi Grandjambe, Jennelle Doyle, Joelle Charlie, Kyla Woodward, Lenore Augustine, Marissa Magneson, Mellz Compton, Monique Jolly, and Rena Laboucan. Graphic design by Justin Romero (Deer, 2020).

Figure 4

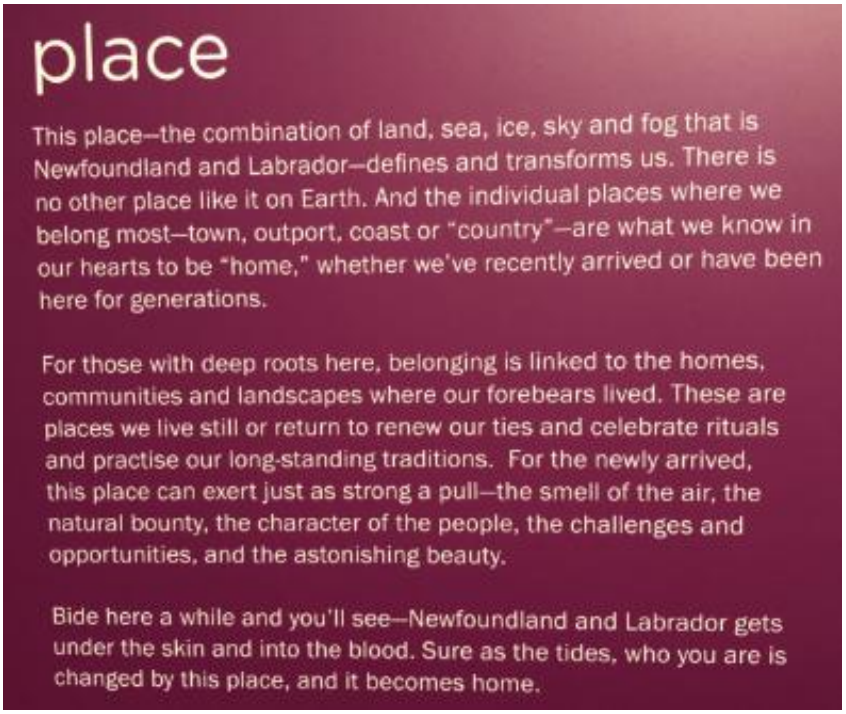
Brainstorming word cloud with design and style ideas.

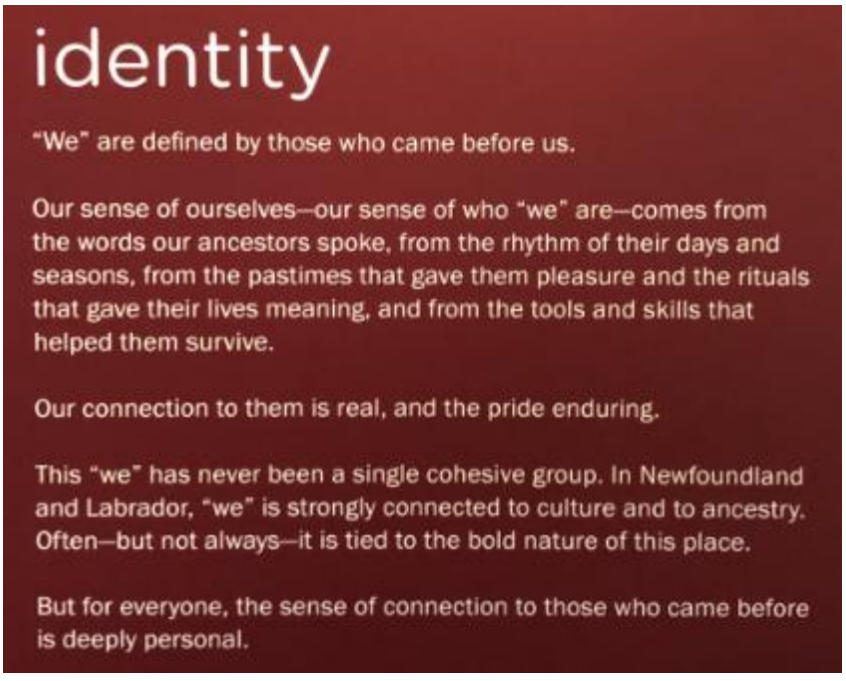


Note. Created with Free Word Cloud Generator (2025).

Figure 5

Narratives about place (top) and identity (bottom) on display at The Rooms in Newfoundland.

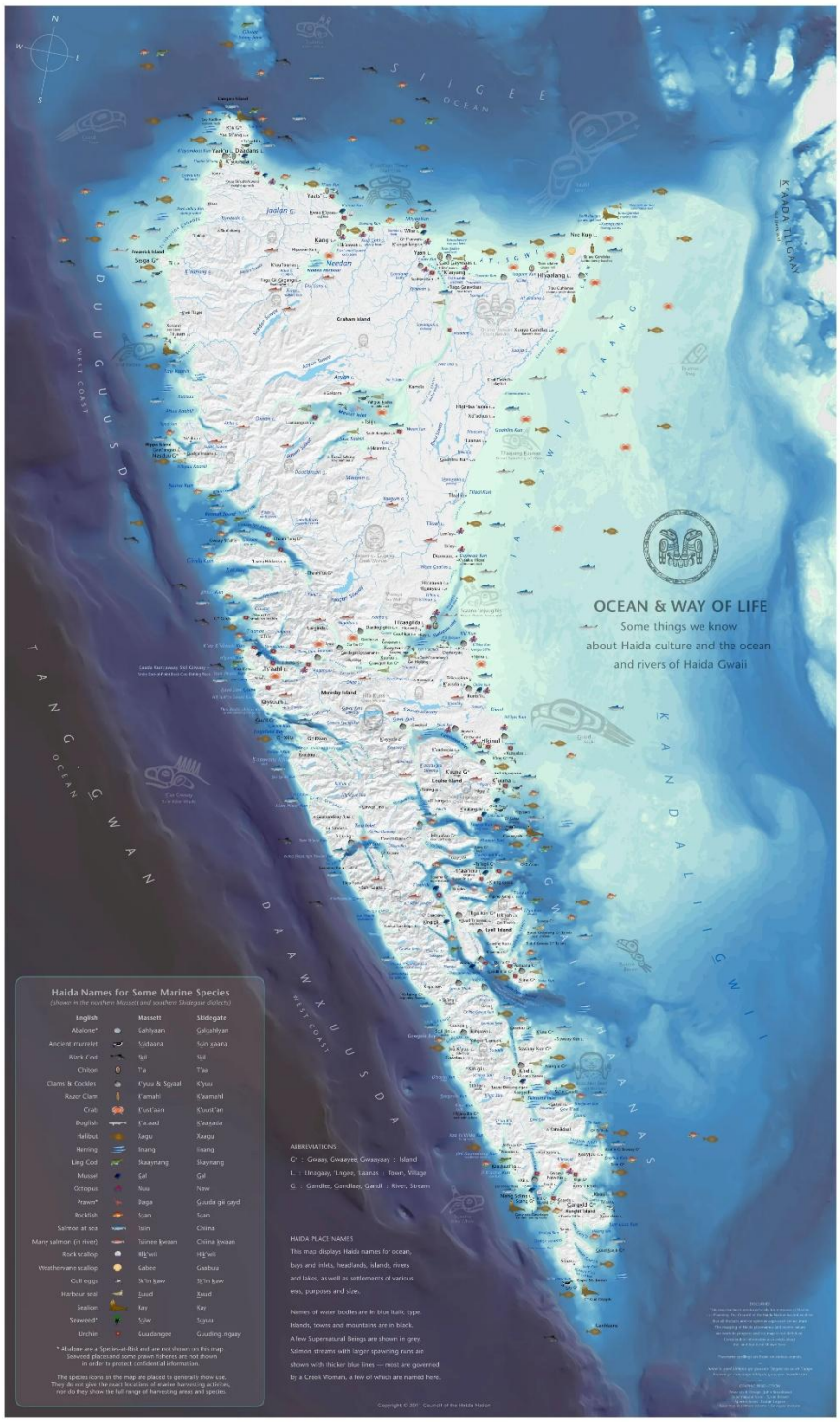




Note. Photos taken by Emily Best. From The Rooms (2024).

Figure 6

Haida Nation map with traditional knowledge.



Note. From Razavi (2022).

Appendix D: Data Acquisition

Figure 7

Data resources, descriptions, and sources for main map.

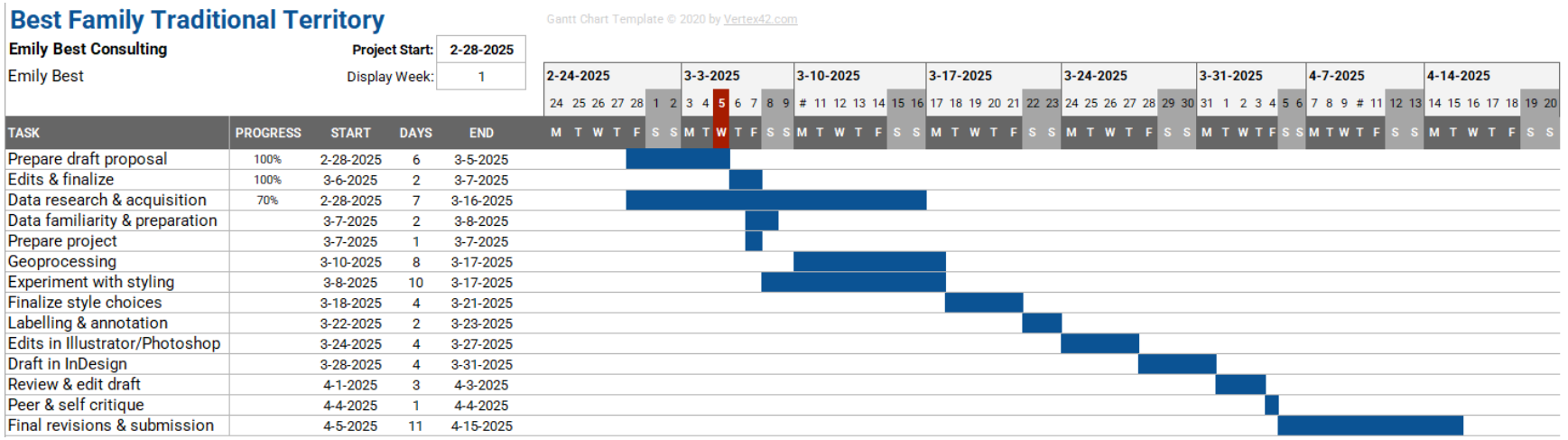
Data Layer	Description	EPSG	Source (Site, Link, Etc)	APA Citation	Obtained
			Main Map		
Points / Labels _Place Names _Land Names/Islands _Waterbody Names	A repository of local place names compiled over the last few years by community members.	EPSG:3857	Google My Maps	Pilgrim, R. (2023). Lake Melville place names [Google My Maps]. https://www.google.com/maps/d/embed?mid=1wAWPlxjJy80CdAEALov0gldpYToWlgJD&ehbc=2E312F	06-Feb-25
This may evolve after speaking with knowledge keeper(s)... Points of interest (landmarks) with local place names Points of interest -Subsistence (hunting, fishing, gathering, water holes) -Recreation (beaches, boil-up spots) -Cabins/tenting/camping spots -Places of significance (eg: graveyard) -Danger zones (modern day and traditional for ice) -Water/ice access launches	Knowledge keepers will work with the cartographer to ensure accuracy of data points in GIS software	n/a	Maurice Best (Father) Carol Best (Mother) TBD -> Wayne Massie (Family Friend)	M. Best, personal communication, DATE, 2025 C. Best, personal communication, DATE, 2025 W. Massie, personal communication, DATE, 2025	TBD - week of March 10
World Gazetteer (lpk file)	Open-source world gazetteer	?	ArcGIS Hub	ArcGIS Hub. (2024). *World gazetteer*. [Data set]. Esri. Retrieved from www.hub.arcgis.com	27-Nov-24
_Coastline _Land _Rivers & Lakes	Not available, will create own layers	n/a	Province of Newfoundland and Labrador	n/a	Requested via email February 28, 2025
May be N/A and used as reference	Community-Based Coastal Resource Inventory based on traditional knowledge of local residents (project from 1996-2007)	n/a	Government of Canada	Fisheries and Oceans Canada. (2023). *Community-based coastal resource inventory* (9d4d922e-0c92-4410-8411-7dea058a2288) [Data set]. Government of Canada. https://open.canada.ca/data/en/dataset/9d4d922e-0c92-4410-8411-7dea058a2288	

Boundaries	Administrative Boundaries in Canada - CanVec Series - Administrative Features	EPSG:4617 and EPSG:5713	Government of Canada	Government of Canada. (2017). *Administrative boundaries in Canada - CanVec Series - administrative features - prepackaged shapefiles (download directory)* [Data set]. Government of Canada. https://open.canada.ca/data/en/dataset/306e5004-534b-4110-9feb-58e3a5c3fd97	03-Mar-25
Hydrography	lakes, rivers and glaciers (1:50k.... But they also have 1:250k)	EPSG:4617 and EPSG:5713	Government of Canada	*Government of Canada.* (2017). *Lakes, rivers and glaciers in Canada - CanVec Series - hydrographic features - prepackaged shapefiles (download directory)* [Data set]. Government of Canada. https://open.canada.ca/data/en/dataset/9d96e8c9-22fe-4ad2-b5e8-94a6991b744b/resource/a28675d7-eb8e-4d3a-aa69-ea427277c866	03-Mar-25
Toponyms	Map Labels Toponymic Features	EPSG:4617 and EPSG:5713	Government of Canada	Government of Canada. (2017). *Map labels - CanVec Series - toponymic features* [Data set]. Government of Canada. https://open.canada.ca/data/en/dataset/b3fdcd34-4533-415f-8f83-68f17f9d5d68/resource/314a520e-3e2b-436c-957b-0b935c7c6bcf	03-Mar-25
Keymap(s)					
_Coastline _Land _Ocean _Graticules?	Open-source vector data (physical) (1:10m)	EPSG: 4326	Natural Earth	Natural Earth (2025). *1:10m physical vectors* [Data set]. https://www.naturalearthdata.com/downloads/10m-physical-vectors/	02-Mar-25
_Province Boundaries (admin 1 - states, provinces)	Open-source vector data (cultural) (1:10m)	EPSG: 4326	Natural Earth	Natural Earth (2025). *1:10m cultural vectors* [Data set]. https://www.naturalearthdata.com/downloads/10m-cultural-vectors/	02-Mar-25

Appendix E: Gantt Chart

Figure 8

Gantt chart for project timeline.



Best Family Traditional Territory

Gantt Chart Template © 2020 by Vertex42.com

Emily Best Consulting — Project Start: 2-28-2025

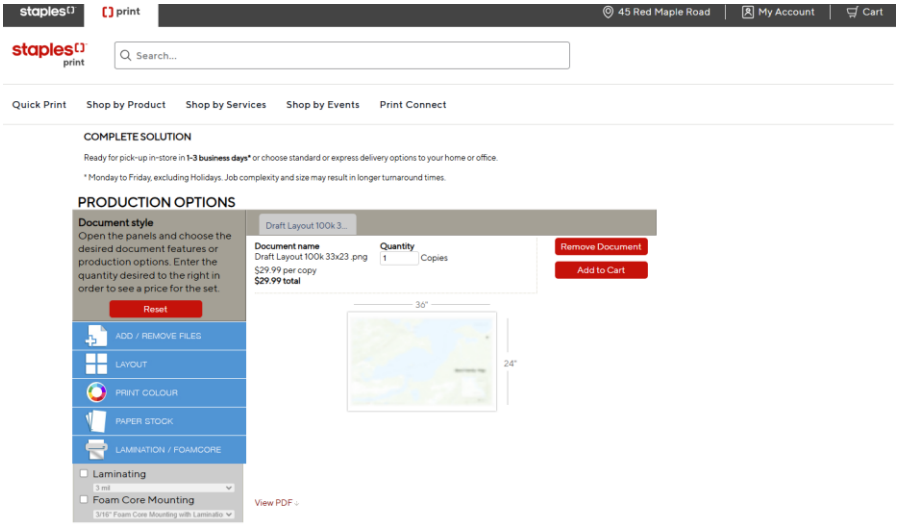
Emily Best — Display Week: 1

TASK	PROGRESS	START	DAYS	END
Prepare draft proposal	100%	2-28-2025	6	3-5-2025
Edits & finalize	100%	3-6-2025	2	3-7-2025
Data research & acquisition	70%	2-28-2025	7	3-16-2025
Data familiarity & preparation		3-7-2025	2	3-8-2025
Prepare project		3-7-2025	1	3-7-2025
Geoprocessing		3-10-2025	8	3-17-2025
Experiment with styling		3-8-2025	10	3-17-2025
Finalize style choices		3-18-2025	4	3-21-2025
Labelling & annotation		3-22-2025	2	3-23-2025
Edits in Illustrator/Photoshop		3-24-2025	4	3-27-2025
Draft in InDesign		3-28-2025	4	3-31-2025
Review & edit draft		4-1-2025	3	4-3-2025
Peer & self critique		4-4-2025	1	4-4-2025
Final revisions & submission		4-5-2025	11	4-15-2025

Appendix F: Price Quotes

Figure 9

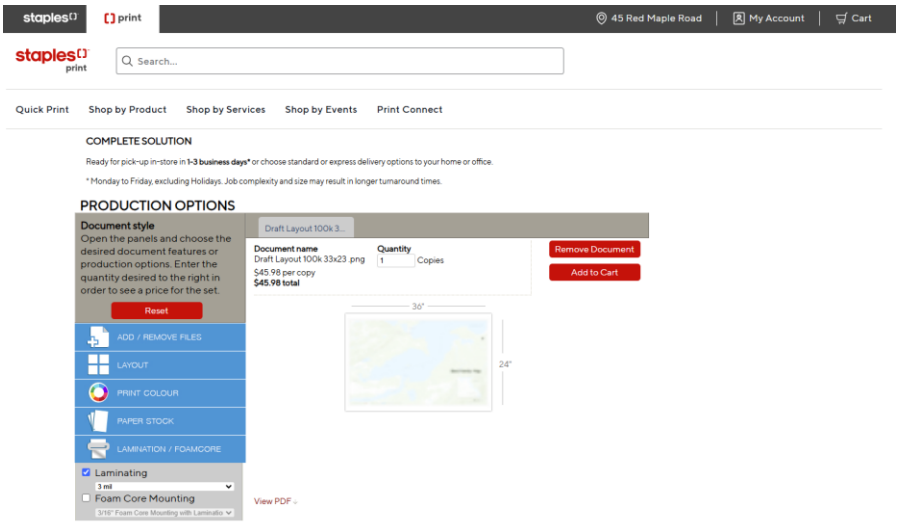
Printing for final deliverable without lamination from Staples (quoted on Staples.ca on March 2, 2025).



Note. From Staples Canada (2025).

Figure 10

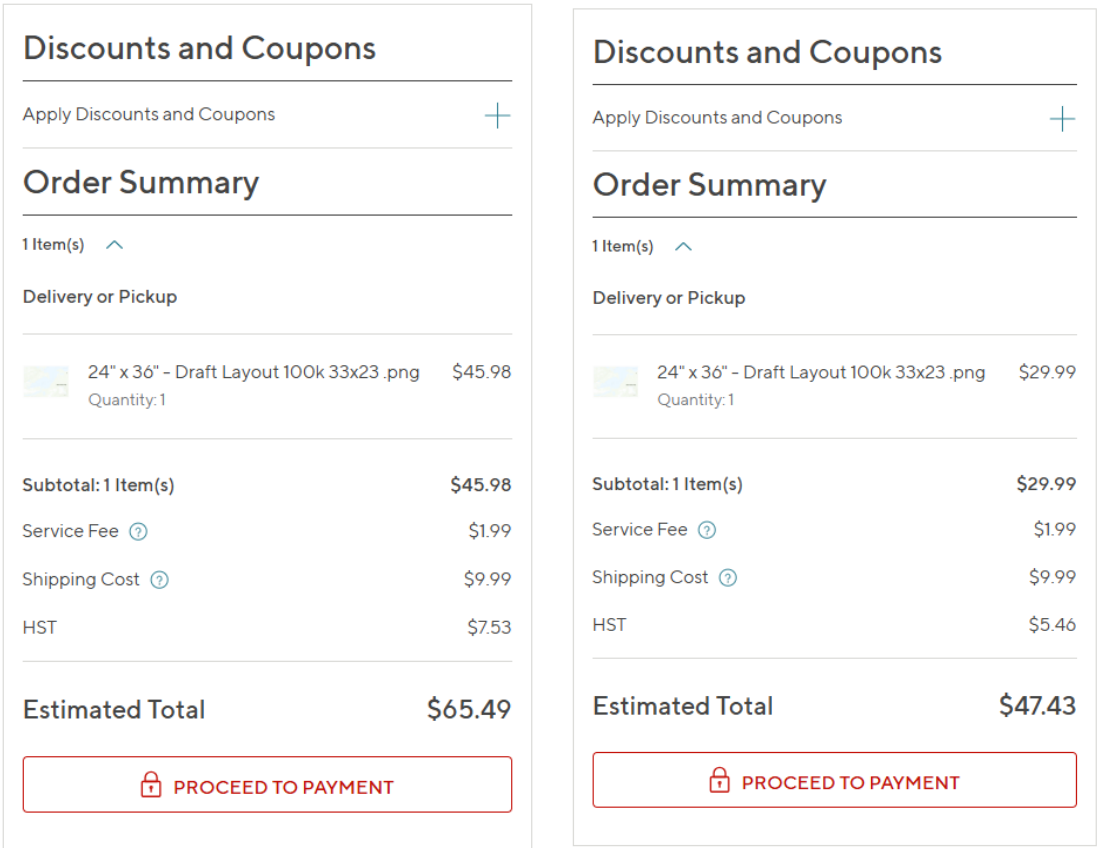
Printing for final deliverable with lamination from Staples (quoted on Staples.ca on March 2, 2025).



Note. From Staples Canada (2025).

Figure 11

Breakdown of printing costs for final deliverable from Staples (including shipping). Quoted on Staples.ca on March 2, 2025.



Note. Lamination included (left) or not included (right).