

			research within our proposed sampling area.	Northwest passage expedition, as well as a fourth grave of a later search party member. It also contains the Northumberland House, which was a shelter used for later search parties, among other archeological aspects (cairns, building ruins). Sampling will not occur near or disturb any archaeological or paleontological sites.	located approximately 80 km east of Resolute.
Powell Inlet	Researching	Crown	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	None to the extent of our knowledge, recognizing that people have likely crossed and utilized these lands prior to our visit. In the event that sites exist, they will remain undisturbed.	Approximately 200 km south of Grise Fiord and 200 km north of Arctic Bay.
Grise Fiord Inlet	Researching	Crown	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	None to the extent of our knowledge, recognizing that people have likely crossed and utilized these lands prior to our visit. In the event that sites exist, they will remain undisturbed.	Approximately 20 km northwest of Grise Fiord.
Coutts Inlet	Researching	Crown	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	In the greater Coutts Inlet area, archaeological significance includes the presence of Inuit, Thule and potentially Dorset peoples, including remnants of sod houses and tent rings. Sampling will not occur near or disturb any archaeological or paleontological sites.	Approximately 115 km southeast of Pond Inlet.
Maxwell Bay	Researching	Crown	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	None to the extent of our knowledge, recognizing that people have likely crossed and utilized these lands prior to our visit. In the event that sites exist, they will remain undisturbed.	Approximately 180 km east of Resolute.

Aston Bay	Researching	Crown	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	Archaeological significance includes evidence of Thule and Arctic Small Tool Tradition sites in the greater Aston Bay area. Sampling will not occur near or disturb any archaeological or paleontological sites.	Approximately 80 km south of Resolute.
Fort Ross	Researching	Crown	Wilderness site and abandoned trading post. To the extent of our knowledge, there is no history of research within our proposed sampling area.	Archaeological significance includes an abandoned Hudson Bay Company trading post established in 1937, for which four buildings were built, as well as homes of Inuit families established at that same time. Some of these buildings remain standing today. Sampling will not occur near or disturb any archaeological or paleontological sites.	Approximately 275 km north of Taloyoak and 300 km south of Resolute.
Wrottesley Inlet	Researching	Inuit Owned Surface Lands	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	None to the extent of our knowledge, recognizing that people have likely crossed and utilized these lands prior to our visit. In the event that sites exist, they will remain undisturbed.	Approximately 230 km north of Taloyoak.
Strzelecki Harbour	Researching	Crown	Wilderness site. To the extent of our knowledge, there is no history of research within our proposed sampling area.	None to the extent of our knowledge, recognizing that people have likely crossed and utilized these lands prior to our visit. In the event that sites exist, they will remain undisturbed.	Approximately 275 km southwest of Resolute.

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ᓄᓇᓕᓂᓪᓗ ᓄᓇᓕᓂᓪᓗ	This year only sampling at remote sites will be possible and therefore we will be unable to hire local community members at our research sites to aid in sampling, as we had hoped to do last year.	Data generated from this work will be accessible to Nunavut residents and results are to be published in open-access journals. Findings will be shared directly with nearby communities and	2026-06-16

	territorial organizations, both as plain-language summaries and a technical report, should there be interest.	
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Nunavut Planning Commission	Conformity Determination was issued on June 8th.	Active	2026-06-09	
ᑕᐃᑦᑭᑦ ᐱᑭᑦᐅᑎ ᐊᑦᑦᑕᐅᑭᑦ	In contact with Mosha Cote, who advises that once a decision is made by the NIRB, he will be able to renew our license from 2025 for 2026. Communication on April 30th.	Not Yet Applied	2026-05-01	
ᑕᐃᑦᑭᑦ ᐱᑭᑦᐅᑎ ᐊᑦᑦᑕᐅᑭᑦ	Applied for access to Inuit Owned Lands through the Qikiqtani Inuit Association. Submitted May 4th.	Applied, Decision Pending	2026-05-05	
ᑕᐃᑦᑭᑦ ᐱᑭᑦᐅᑎ ᐊᑦᑦᑕᐅᑭᑦ	In contact with the Kitikmeot Inuit Association regarding renewing our Certificate of Exemption from 2025 for 2026 to access Inuit Owned Lands. Communication on May 19th advises that we will wait for the NIRB decision before we proceed.	Not Yet Applied	2026-05-20	

Project transportation types

Transportation Type	ᑕᐃᑦᑭᑦ ᐱᑭᑦᐅᑎ ᐊᑦᑦᑕᐅᑭᑦ	Length of Use
Water	Travelling with Adventure Canada on their vessel (Ocean Victory) and following their expedition itinerary. Land will be accessed from the vessel by small 10-passenger inflatable zodiacs as per the Adventure Canada staff.	
Land	Sampling sites will be accessed from landing sites by foot.	

Project accomodation types

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Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Iñupiat Cultural Resources: Proposed Cultural Resources

The Project Activities section in this form best describes the proximity of each proposed terrestrial sampling site to protected areas and communities, as well as their linked cultural and historical significance. All proposed sampling sites are remote and uninhabited. Throughout the duration of sampling there will be no access to roads/trails, nor will the work occur in designated environmental areas, such as parks, protected areas, heritage areas, cultural areas, sensitive environmental or geological areas (e.g., eskers or unique landscapes), or in disruption with wildlife species and their habitats (including breeding/spawning areas, migration routes, etc.). Sampling will also avoid recreational areas, community use areas, as well as those used for fishing and hunting. This work will not have any contact with water or aquatic ecosystems, and if lakes, streams, etc. are encountered, sampling will not proceed near these areas. Marine use will only apply to accessing land from the ship, for which Adventure Canada has permitting approval. Noise will be very minimal, as the auger is expected to run for no longer than one minute at each site, and will have no effect on air quality. Climate impacts resulting directly from this research will also be very minimal, while this work will generate data to aid in future climate modelling in each area. The topography at each site will vary. However, sampling is aimed to occur in plains and valleys, where the ground is flat and most conducive to soil and permafrost collection. There may be eskers, wetlands, or other unique landscapes present, although sampling will not occur within these landforms. Permafrost will be accessed, although the exact stability, depth, thickness, and continuity will likely vary across the proposed sites and is to be determined and recorded during field work (depth is expected to range from one to two meters). Exposure of permafrost may have small-scale climate impacts; however, careful restoration of each site will be carried out using the original overlying soils to protect permafrost layers. The active layer (above the permafrost) will also be accessed, where solid bedrock, large sediments, and unstable rock will be avoided. Soil quality is expected to reflect that of the Arctic tundra: nutrient-poor and varied in moisture content. It is not expected that there will be thermokarsts or ice lenses, but in the case that there are, these areas will be avoided and undisturbed during sampling, as well as documented. Overall, within these proposed locations, there is flexibility in choosing a suitable and appropriate sampling site. All sensitive areas will be cautiously avoided during site selection (i.e., trails, areas of biological interest, natural features such as streams, etc.) and we are looking to take our sample from an area that is representative of the physical environment, and to not disrupt any part of the environment that is unique or fragile. No structures are to be erected in the area, and there will be no use of water or creation of waste. Transportation while on land will be by foot. Sampling conducted by Gwen will take no longer than 2 hours at each site.

Iñupiat Cultural Resources: Biological Resources

The biological environment surrounding the proposed sampling sites includes the terrestrial tundra vegetation and the wildlife. Considering that the proposed sampling sites are at different locations, each area is expected to harbour unique wildlife and vegetation. Vegetation includes mosses, lichens, shrubs and grasses. Vegetation presence may vary, with some sites harbouring sparse plant life. Soil and permafrost sampling will occur in vegetation-poor sites when present, and vegetation will be avoided to the best of our

abilities. Small bryophyte samples (≤ 5 grams) will be collected, and sampling will be sure to not disturb any vegetation beyond the material that is being collected. Terrestrial wildlife in the area includes polar bears, seals, walrus, foxes, voles, and lemmings. Wildlife, including habitat and migratory areas, will be avoided in site selection. Birds present in these areas include thick-billed murres, terns, and gulls, among others. This work will not impact birds, including their habitat (especially ground nesting) and migration patterns. Species at risk, including those of terrestrial wildlife (e.g., polar bears) and birds (e.g., species of gull) will not be impacted by this work, as their populations and habitats will be completely and carefully avoided as described above. Adventure Canada has chosen these locations with careful consideration to not inflict harm on wildlife, vegetation, or bird species. If sampling will cause harm to any of these biotic aspects of the environment, sampling in that area will not proceed.

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The associated proximities of sampling sites to communities, archaeological sites, and culturally significant sites are described in the Project Activities section in this form. When present, archaeological sites will be avoided and left undisturbed. Paleontological sites are likely to be present within the areas we are visiting; however, this work will not result in the disturbance of bedrock or its excavation and therefore will aid in the avoidance of these sites. There is likely to have been land use by Inuit for centuries in the areas we are visiting, and as such, caution will be used when proceeding with site selection and sampling. In travelling with Adventure Canada, there will be a resource team of scientists and local Nunavut residents onboard, who Gwen will consult prior to sampling regarding any possible archaeological or paleontological sites, as well as culturally significant areas to be avoided. This work is expected to have no impact on the socioeconomic environment of the locations visited. Local and regional traffic patterns will not be affected, as site access is by foot and all sampling locations are remote.

Miscellaneous Project Information

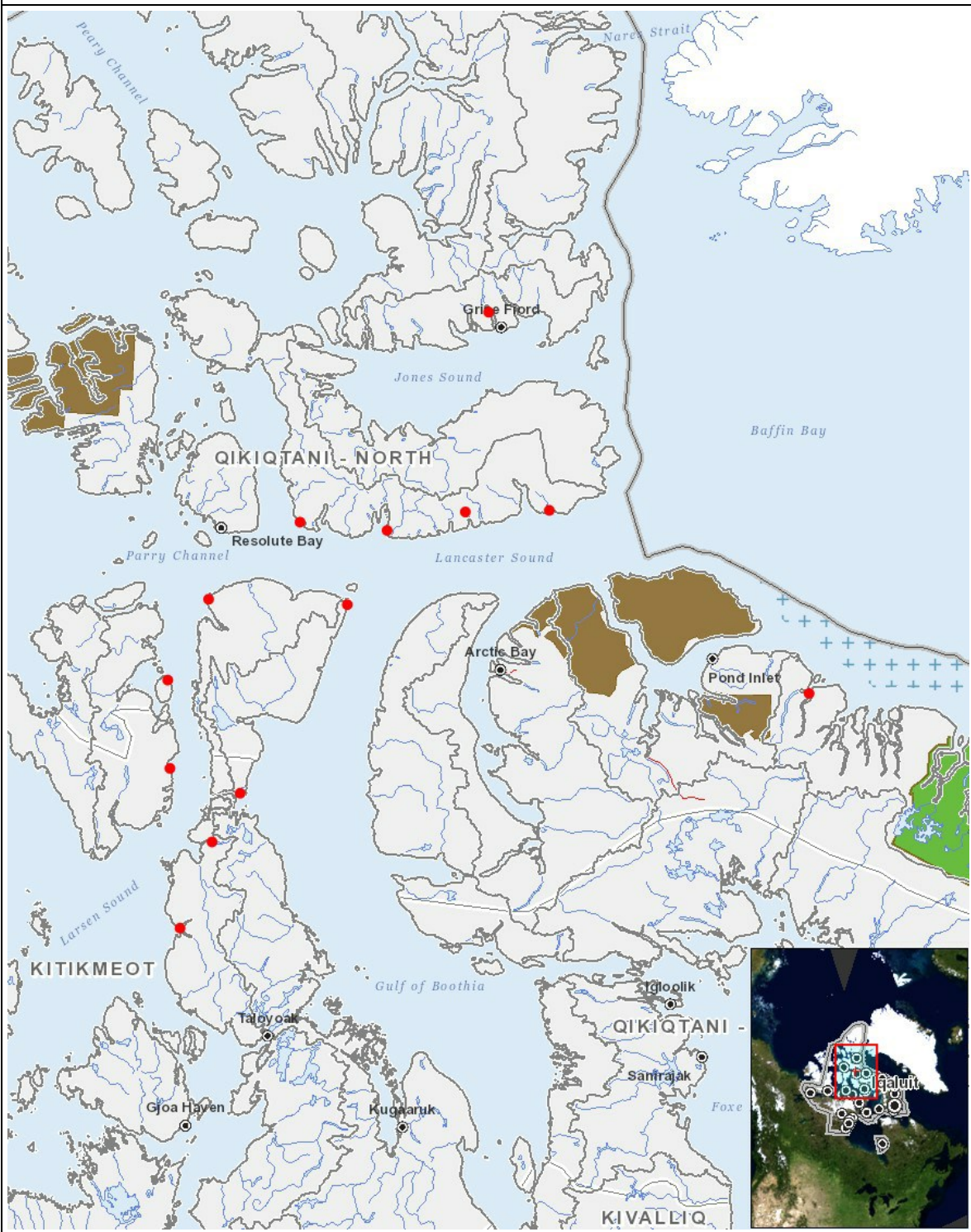
The project dates are from August 26th to September 27th, 2026. Attached in Project Documents are Adventure Canada's associated NPC/NIRB file numbers for the Ocean Victory vessel and a proposed 100 km sampling radius around each of the listed coordinates.

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Impacts are identified in the Impacts tab on this application, and includes both permafrost and vegetation, both as mitigable. Permafrost and vegetation will be disturbed at a very small scale, and these effects will be mitigated through limiting sampling area and resource collection, as well as through careful restoration of each sampling site. Sensitive vegetation will also be avoided during sampling. The Impacts tab further details our proposed mitigation strategies for any negative effects. There will be no transboundary effects as this research is localized and will not cause greater harm, and there will be no adverse effects to species under the Species at Risk Act and their habitats, as these species and their habitats will be avoided during sampling. There is flexibility in sample site selection, which further allows the avoidance of sensitive areas and enables us to carefully choose the most appropriate sampling site. As stated previously, aboard the Adventure Canada vessel there will also be a resource team of scientists and local Nunavut residents. We will consult with these individuals prior to site selection and sampling regarding any possible environmental concerns in the area. If there are environmental concerns, sampling will not occur. As above, this work is expected to have no negative socioeconomic impacts on the locations visited. Longer term, we hope this data will allow better prediction of greenhouse gas emissions from permafrost, and how local environmental factors may influence carbon flux in different Arctic regions. We hope this will improve climate modelling, and in turn aid in supporting climate resilience planning for northern communities. Furthermore, we will discuss our research with the passengers travelling with Adventure Canada to raise awareness for northern communities experiencing the effects of climate change in their local environments. Our aim is to create increased global advocacy for Nunavut communities navigating the future of climate warming in the Arctic.

Cumulative Effects

There will be no cumulative effects resulting from this work.



List of Project Geometries

1	point	Prescott Island
2	point	Pasley Bay
3	point	Grise Fiord Inlet
4	point	Coutts Inlet
5	point	Maxwell Bay
6	point	Aston Bay
7	point	Strzelecki Harbour
8	point	Fort Ross
9	point	Wrottesley Inlet
10	point	Dundas Harbour

11	point	Powell Inlet
12	point	Port Leopold
13	point	Beechey Island