NIRB Uuktuutinga Ihivriuqhikhamut #126255
Community Bedrock Mapping Points of Interest

Uuktuutinga Qanurittuq:	New
Havaap Qanurittunia:	Scientific Research
Uuktuutinga Ublua:	Friday, December 5, 2025
Period of operation:	from 2026-06-29 to 2026-07-20
Havauhikhaq Ikayuqtinga:	Mary Sanborn-Barrie Geological Survey of Canada 601 Booth Street Ottawa ON K1A 0E8 Canada Hivayautit Nampanga:: 613-995-4793, Kayumiktukkut Nampanga:: 613-992-5694

QANURITTUT

Tukihiannaqtunik havaariyauyumayumik uqauhiuyun

Qablunaatitut: Community Mapping Points of Interest, Kimmirut RegionMary Sanborn-Barrie (Geological Survey of Canada) Summary: Community bedrock mapping near Kimmirut and along the Itijjagiaq Trail (Kimmirut to Frobisher Bay) will form the foundation of a pilot study to develop a new "Points of Interest" feature on the mobile app SIKU, intended to increase access to geoscience by Northerners and visitors to the region. Community involvement (hiring/training) in acquisition of digital geoscience content, accessible on mobile devices, will be co-designed with local residents, Kimmirut Hamlet council, and Territorial Parks, to update and replace the out-dated, out-of-print paper "Geology Walking Tour of the Kimmirut Area".Background & Research Objectives: Accessibility and uptake of geoscience knowledge by First Nations and Inuit communities have traditionally been limited. This is, at least in part, due to the technical nature of geological maps and the expensive licensing requirements of the geographic information system software used to view and analyse geoscience data. SIKU is an existing web platform and mobile app, developed by the Arctic Eider Society, that supports knowledge-gathering related primarily to the land (wildlife, sea-ice conditions). Previously under GEM, SIKU was expanded to allow users in the Kivalliq region to post and share geoscience observations. This current proposal seeks to expand the geo-functionality of SIKU to support a "Points of Interest" feature to store and display information on local geoscience landmarks, as a means to further increase access, interest and uptake of knowledge and data related to geoscience in the North. Project Description: A 3-week community bedrock mapping activity is proposed primarily in Kimmirut, a geologically spectacular region of southern Baffin Island that is a source of pride for its residents, and a marvel for its visitors who arrive annually on cruise ships, or via hiking or canoeing through Katannilik Territorial Park. The region presents an ideal pilot study to develop a new "Points of Interest" feature on the Indigenous Knowledge App – SIKU, given that the paper "Geology Walking Tour of the Kimmirut Area" is out-of-date and out-of-print. The foundation of a new digital "Points of Interest" feature on SIKU will be geoscience content collected by interested community members (June 29-July 12) hired and mentored by GSC scientists (Sanborn-Barrie, Rayner & Ford). Community mappers will be equipped with digital cameras, hand lenses, UV lights, magnets, geological hammers and chisels, to aid in the collection of data. This activity will be co-designed with the community, such that its residents will decide which local features should become "Points of Interest" in SIKU for access by eco-tourists to the region. Methodology: In Kimmirut, bedrock mapping will be conducted by foot, truck & ATV (as circumstances allow) with a rotating roster of residents hired through an Agreement with the Hamlet. Direct daily involvement of local indigenous residents on the project will transfer traditional knowledge and best practices with respect to local wildlife and the natural environment. At the request of Territorial Park staff, Kimmirut geoscience content will be supplemented by content collected (Sanborn-Barrie, Rayner, Ford) during a 5-day traverse (July 13-18) along the Itijjagiaq Trail towards Frobisher Bay, so that future visitors to the park have the opportunity to appreciate the setting and timescale within which its spectacular rocks evolved. In the park, bedrock mapping will be undertaken by foot, supported by well-marked and maintained shelter cabins spaced at 8 - 23 km intervals along the route. We are applying for one day of helicopter support, originating from and returning to Iqaluit (July 18), to allow bedrock mapping at 3 locations (~1 hour shutdown) within NE Katannilik Territorial Park and demobilization from the park to Iqaluit.Sharing of Research Results: Community-acquired digital data and photos collected will be showcased and assessed in a public meeting (July 12), so that residents of Kimmirut have an opportunity to decide/vote which landmarks should appear as Points of Interest on SIKU. Community-acquired content for the chosen landmarks will be uploaded into SIKU for access by SIKU users (residents and visitors). Illustrated plain-language laminated cards will also be created and supplied to Kimmirumiut interested in offering short duration ATV geo-tours to day-trippers off the many cruise ships that visit Kimmirut. Similar weather-proof cards will be designed for localities within Katannilik Territorial Park so that park staff can make them available at the relevant park shelters. Throughout this activity, community input on traditional place names in the Kimmirut area will be recorded, discussed, and forwarded to Inuit Heritage Trust so that names appearing on the available place names map (a map layer available on the SIKU app) can be verified and corrected, if required.

Uiviititut: Cartographie communautaire des points d'intérêt, région de KimmirutMary Sanborn-Barrie (Commission géologique du Canada)Résumé: La cartographie communautaire du

substratum rocheux près de Kimmirut et le long du sentier Itijjagiaq (de Kimmirut à Frobisher Bay) servira de base à une étude pilote visant à développer une nouvelle fonctionnalité « Points d'intérêt » pour l'application mobile SIKU. Cette fonctionnalité a pour but d'améliorer l'accès aux géosciences pour les résidents du Nord et les visiteurs de la région. La participation communautaire (embauche et formation) à l'acquisition de contenu géoscientifique numérique, accessible sur appareils mobiles, sera conçue conjointement avec les résidents locaux, le conseil du hameau de Kimmirut et Parcs territoriaux. L'objectif est de mettre à jour et de remplacer le guide papier obsolète et épuisé intitulé « Circuit géologique pédestre de la région de Kimmirut ».Contexte et objectifs de recherche: L'accès aux connaissances en géosciences et leur utilisation par les communautés des Premières Nations et inuites sont traditionnellement limités. Cela s'explique, au moins en partie, par la technicité des cartes géologiques et le coût élevé des licences des logiciels de système d'information géographique (SIG) utilisés pour visualiser et analyser les données géoscientifiques. SIKU est une plateforme Web et une application mobile existantes, développées par l'Arctic Eider Society, qui facilitent la collecte de connaissances relatives principalement au territoire (faune, conditions de la banquise). Auparavant, dans le cadre du projet GEM, SIKU a été étendu pour permettre aux utilisateurs de la région de Kivalliq de publier et de partager des observations géoscientifiques. La présente proposition vise à étendre les fonctionnalités géographiques de SIKU afin d'y intégrer une fonction « Points d'intérêt » permettant de stocker et d'afficher des informations sur les points d'intérêt géoscientifiques locaux, dans le but d'accroître l'accès aux connaissances et aux données géoscientifiques dans le Nord, l'intérêt qu'elles suscitent et leur utilisation.Description du projet: Un projet de cartographie du substratum rocheux, d'une durée de trois semaines, est proposé à Kimmirut, une région géologiquement spectaculaire du sud de l'île de Baffin. Cette région, source de fierté pour ses habitants, émerveille les visiteurs qui y arrivent chaque année par bateau de croisière, à pied ou en canoë dans le parc territorial de Katannilik. Elle constitue un terrain d'étude idéal pour développer une nouvelle fonctionnalité « Points d'intérêt » sur l'application SIKU (Savoirs autochtones), étant donné que le document intitulé « Circuit géologique pédestre de la région de Kimmirut » est obsolète et épuisé. Cette nouvelle fonctionnalité numérique « Points d'intérêt » sur SIKU sera alimentée par des données géoscientifiques recueillies par des membres de la communauté intéressés (du 29 juin au 12 juillet), recrutés et encadrés par des scientifiques du GSC (Sanborn-Barrie, Rayner et Ford). Les cartographes communautaires seront équipés d'appareils photo numériques, de loupes, de lampes UV, d'aimants, de marteaux et de burins de géologue pour faciliter la collecte de données. Cette activité sera conçue en collaboration avec la communauté, de sorte que ses habitants décideront quels éléments locaux devraient devenir des « points d'intérêt » à SIKU pour permettre aux écotouristes d'accéder à la région.Méthodologie: À Kimmirut, la cartographie du substratum rocheux sera réalisée à pied, en camion et en VTT (selon les circonstances) par un roulement de résidents embauchés en vertu d'une entente avec le hameau. La participation quotidienne et directe des résidents autochtones locaux au projet permettra de transmettre les connaissances traditionnelles et les meilleures pratiques en matière de faune et de milieu naturel.À la demande du personnel du parc territorial, les données géoscientifiques de Kimmirut seront complétées par des données recueillies (Sanborn-Barrie, Rayner, Ford) lors d'une traversée de cinq jours (du 13 au 18 juillet) le long du sentier Itijjagiaq en direction de la baie Frobisher. Ainsi, les futurs visiteurs du parc pourront apprécier le contexte et l'échelle de temps de formation de ces roches spectaculaires. Dans le parc, la cartographie du substratum rocheux sera effectuée à pied, avec l'appui de refuges bien balisés et entretenus, espacés de 8 à 23 km le long du parcours. Nous demandons un soutien héliporté d'une journée, au départ et à destination d'Iqaluit (18 juillet), afin de permettre la cartographie du substratum rocheux à 3 endroits (arrêt d'environ 1 heure) dans le parc territorial NE Katannilik et la démobilisation du parc vers Iqaluit.Partage des résultats de recherche : Les données numériques et les photos recueillies par la communauté seront présentées et évaluées lors d'une réunion publique (12 juillet), afin que les résidents de Kimmirut puissent choisir les sites d'intérêt à afficher sur SIKU. Le contenu relatif aux sites sélectionnés sera intégré à SIKU et accessible aux utilisateurs (résidents et visiteurs). Des fiches plastifiées illustrées, rédigées en langage clair, seront également créées et distribuées aux Kimmirumiut souhaitant proposer des excursions géodésiques de courte durée en VTT aux excursionnistes débarquant des nombreux navires de croisière faisant escale à Kimmirut. Des fiches similaires, résistantes aux intempéries, seront conçues pour les localités du parc territorial de Katannilik, afin que le personnel du parc puisse les mettre à disposition dans les abris appropriés.

Inuktitut: ᓄᓇᓕᒻᒥᐅ ᓄᓇᖅᑐᐊᓕᐅᔨᓂᖅ ᐱᐊᒪᓂᖅᐳᐃᓕᐅᕐᒥᐅ, ᑭᒪᒋᑦᒪ ᐊᐃᑦᓯᒪᓂᕆᒥᐊᓕ ᓴᓐᓂᖅ–ᐃᐅᑏ (ᓄᓇᒥ ᖃᐅᔨᓴᖅᑎᑦ ᑲᓇᑕᒥ)ᓇᓗᓇᐃᔪᖅᓯᒪᔪᑦ: ᓄᓇᓕᒻᒥ ᖃᐃᑦᑐᒻᒥᐅ ᓄᓇᖅᑐᐊᓕᐅᔨᓂᖅ ᖃᓄᐅᔪᖅᓱᒪᓂ ᑭᒪᒋᔭᑦ ᐊᒻᒪᓗ ᑕᒪᐅᓇ ᐃᑎᑎᖅᑐᐊᖅ ᐱᓯᖅᓯᒪᔪᑦ (ᑭᒪᒋᑦᒪᒋᑦ ᑕᓯᐅᔨᓴᓯᐊᒧᑦ) ᐃᓗᑦᑎᑎᓂᐅᓂᐊᖅᓯᑦ ᑐᖅᓱᒪᐃᖅᓱᓂᖅ ᑲᓇᑕᒥ ᓄᓇᖅᑐᐊᓕᐅᔨᓂᖅ ᖃᓄᐅᔪᖅᓱᒪᓂᖅ” ᐊᑲᑭᑦᑕᓯᓯᒪᓂᖅ ᓇᒥᑐᐃᓐᓇᐅᔭᓇᖅᑐᑦ ᖃᓄᐅᔨᓯᐊᐃᐅᔨᒥᐅᑦ ᐱᓕᕆᓂᐊᑎᑕᐅᔨᖅᑐᓯᓪᓗᒍ ᓄᓇᒥᐅ “ᐱᒪᓂᖅᐳᐃᓕᐅᔨᓴᖅᑎᑦ ᐊᐃᑦᓯᒪᓂᖅᐳᐃᓕᐅᔨᓴᖅᑎᑦ ᐱᓕᕆᓂᐊᑎᑕᐅᔨᖅᑐᓯᓪᓗᒍ ᓄᓇᒥᐅ ᖃᐅᔨᓴᓕᓯᐊᕐᓂᖅ ᐅᑭᐅᖅᑕᖅᑐᑦᑕᓂᒃ ᐱᒪᓂ SIKU, ᐱᓕᕆᔨᑎᑎᑦᑕᐅᔨᓯᐊᓗᓂᒃ ᐱᓕᐅᓂᖅᐳᐅᔪᓐᓇᖅᑐᓯᓪᓗᒍ ᓄᓇᒥᐅ ᖃᐅᔨᓴᓕᓯᐊᕐᓂᖅ ᐅᑭᐅᖅᑕᖅᑐᑦᑕᓂᒃ ᐊᒻᒪᓗ ᓂᐅᑦᑎᐊᖅᑕᐅᔨᓂᒃ. ᓄᓇᒥᐅ ᐱᓕᕆᖃᑎᒌᖅᑐᓂᒃ ᐊᒻᒪᓗ ᓄᓇᒥᐅ ᖃᐅᔨᓴᓕᓯᐊᕐᓂᖅ ᐊᒻᒪᓗ ᐃᓄᐃᑦ ᐊᒻᒪᓗ ᐃᓄᐃᑦ (ᐃᖅᑲᐅᑎᓯᒪᓂᖅ/ᐊᓱᐹᓐᓂᖅᓴᑎᑕᐅᓂᖅ) ᓂᐅᐃᓐᓂᐅᔨᓯᒪᓂᖅ ᖃᓄᐅᔪᖅᓱᒪᓂᖅ ᓄᓇᒥᐅ ᖃᐅᔨᓴᓕᓯᐊᕐᓂᖅᑐᑦ ᐃᓗᓕᕆᓂᐅᔪᓐᓇᖅᑐᑦ, ᐱᓕᐅᔪᓐᓇᖅᑐᑦ ᓇᒥᑐᐃᓐᓇᐅᔭᓇᖅᑐᓂᒃ ᓄᓇᓕᒻᒥᐅᑕᐅᔨᓴᐃᖅ, ᑭᓇᓱᒪᓕᕆᐅᖃᖅᑐᓂᒃ ᓄᓇᒥᐅ ᖃᐅᔨᓴᓕᓯᐊᕐᓂᖅᑐᑦ ᐃᓗᓕᕆᓂᐅᔪᓐᓇᖅᑐᑦ ᐱᓕᕆᓂᐊᑎᑕᐅᔨᖅᑐᓯᓪᓗᒍ, ᐅᓪᓗᑎᒃ ᐃᓕᓴᐅᔨᓴᖅᑎᑦ, ᐃᓕᐃᓇᖃᓗᐊᖅᓯᒪᔪᓂ, ᑕᐃᒪᐃᓇᑐᐃᓐᓇᖅᑐᓂᒃ ᐱᓕᕆᐊᖃᓕᓯᐊᕐᓂᖅᑐᑦ ᐃᓗᓕᕆᓂᐅᔪᓐᓇᖅᑐᑦ ᐱᓕᕆᐊᖃᓕᓯᐊᕐᓂᖅᑐᑦ ᐊᒻᒪᓗ

ᓄᐊᑦᑕᐅᓯᒪᔨᓂᒃ ᑕᓀᑦᕼᐅᑎᑕᐅᓂᐊᖅᑐᓂᒃ ᐊᑎᒪᓗ ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖅᑐᓂᒃ ᐃᓄᓕᒧᑦ ᑲᑎᒪᑦᑕᐅᑎᓕᓴᐅᓕᕆᓂᖅ (ᔨᓪᓗᐃ 12), ᓄᓇᓕᒻᒥᐅᑕᐅᔨᑦ ᑭᒻᒥᑭᒻᒥᒃ ᐱᕕᑦᓴᖅᑎᑕᐅᖏᓪᓗᓂᑦ ᐃᓕᓴᒪᓕᐅᕈᑎᖃᑭᖅᑐᓄᒃ/ᓂᕈᐊᖏᓗᓂᒃ ᓇᓪᓕᐊᒃ ᓄᓇᒥᒃ ᑎᑎᖅᑭᔨᓱᑐᑦ ᓴᖅᑭᑲᓇᐊᖅᖃᓖᑦᑕ “ᐱᔪᓴᐅᓂᖅᑎᓂᓂᒃ” ᔨᐸᒥ. ᑕᒪᒃᑯᐊ ᖃᐅᔨᒪᔪᐸᑎᑦᓴᐃᑦ ᖃᖏᑕᐅᓴᖏᓪᓕᐊᑕᑦ ᔨᐸᔫᑦᑕᐅᓂᐊᖅᑐᓄᒃ ᐱᓴᐅᔪᓐᓇᖅᑐᑦᓂᓂᒃ ᔨᐸᒥᒃ ᐊᑐᑎᓂᐅᐸᖅᑐᑦ ᐃᓄᐊᓕᒻᒥᐅᑕᓕᓂᑦ ᐱᔪᓐᓇᖅᑐᑦ ᐊᑐᑦᑕᐅᓂᐊᖅᑐᓄᒃ ᐱᓴᐅᔪᓐᓇᖅᑐᑦ ᐊᑐᑦᑕᐅᓂᐊᖅᑐᓄᒃ ᑕᐃᒃᑯᓇᓐᓇᖅᑐᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖅᑐᓄᒃ ᐱᓴᐅᔪᓐᓇᖅᑐᑦ ᐊᑐᑦᑕᐅᓂᐊᖅᑐᓄᒃ ᑕᐃᒃᑯᓇᓐᓇᖅᑐᑦ ᐊᑐᑦ

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyaranngugtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
municipality of Kimmirut, NU June 29-July 13	Researching	Municipal	community mapping bedrock landmarks	No archeological or paleontological sites will be visited	within Kimmirut
hike to shelter #9 July 14	Researching	Crown	observing bedrock in Katannilik Territorial Park walking from Kimmirut to shelter #9	none	8 km from Kimmirut
hike from #9 to shelter #8 July 15	Researching	Crown	observing bedrock in Katannilik Territorial Park walking from shelter #9 to shelter #8	none	23 km from Kimmirut
hike from #8 to shelter #7 July 16	Researching	Crown	observing bedrock in Katannilik Territorial Park walking from shelter #8 to shelter #7	none	46 km from Kimmirut
bedrock mapping near shelter #7 July 17	Researching	Crown	investigate the geology around shelter #7 for the day	none	46 km from Kimmirut
bedrock mapping near shelter #5 July 18	Researching	Crown	investigate the geology around shelter #5 for an hour	none	75 km from Kimmirut
bedrock mapping near shelter #4 July 18	Researching	Crown	investigate the geology around shelter #4 for an hour	none	85 km from Kimmirut
bedrock mapping near shelter #3 July 18	Researching	Crown	investigate the geology around shelter #3 for an hour	none	100 km from Kimmirut
bedrock	Researching	Crown	investigate	none	125 km from

mapping near shelter #1 trailhead July 18			the geology around shelter #1 and trailhead to Katannilik Territorial Park for an hour		Kimmirut

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Kimmirut	John Mabberi-Mudonyi CAO	Hamlet	2025-09-18
Kimmirut	Nigel Audla EDO	Hamlet	2025-09-18
Kimmirut	Andrew Boyd	Katannilik Territorial Park	2025-09-19
Iqaluit	Jakub Garbarczyk	Nunavut Parks & Special Places	2025-10-11

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

South Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavut Planning Commission	NPC Application 150966	Applied, Decision Pending		
Nunavunmi Ihivriuqniqmut Timiqutigiyanga	Scientific Research Licence	Applied, Decision Pending		
Nunavut Imaligiyit Katimayit	to use water without a licence for personal drinking (4 days) while in Territorial Park	Not Yet Applied		
Qikiqtani Inuit Katimayiit	certificate of exemption from the designated Inuit organization for this area	Not Yet Applied		
Alaanut	Nunavut Territorial Parks Use permit	Not Yet Applied		
Alaanut	Nunavut Territorial Parks Firearm Permit (for wildlife defense)	Not Yet Applied		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	commercial (Ottawa, ON to Kimmirut, NU June 29 - Iqaluit, NU to Ottawa, ON July 20)	

Project accomodation types

Nunauyuq

Alaanut,

Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
digital camera	3	5x10cm	photograph rocks and minerals
geological pick hammers	3	20cm	take fist-size samples
pen magnet	3	6cm	test for magnetic properties in various rocks
compass	3	10cm	take bearing of planar and linear fabric in rocks
drone	2	20cm	residents take aerial footage of landmark outcroppings
digital toughpad	2	20x12cm	record location and fabric data measured
chisel	3	8cm	more precisely take fist-size samples

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Information is not available						

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqtittagaani qanuq	Atulirumayain imavaluin utiqtittagani humi
0	personal water bottle	Soper River (when in Kattanilik Territorial Park for 4 days)

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Researching	Other, packaging from foods consumed during 4 days in Katannilik Territorial Park	2 litres	carry out	dispose in Iqaluit municipal system
Researching	Anaagun (inuin anaaguin)	1 litre	carry out of Katannilik Territorial Park	dispose in Iqaluit municipal system

Avatiliriniqmut Ayurhautingit:

If approval for helicopter support is awarded, noise will be mitigated by shutting down at the stops while mapping takes place. No fueling will be done except at Iqaluit Airport.

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

Qanurittuq Ittunik Avatinga: Avatingalluanga

2 weeks will be conducting bedrock mapping (rock and mineral identification) within the municipality of Kimmirut with residents assisting (employment), with 5 days proposed within Katannilik Territorial Park hiking from Kimmirut towards Frobisher Bay

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Wildlife we could encounter within the Territorial Park may include fox, wolf, polar bear, ravens, snow buntings.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

For two weeks (June 29-July 13) our plan is to reside in the community of Kimmirut to engage/mentor/hire interested residents to participate in bedrock mapping for the ultimate purpose of acquiring geo-content for community-approved Points of Interest on the mobile app SIKU.

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Negative impacts are not anticipated. Positive impacts include outside employment opportunities, enthusiastic training and mentoring in mapping and using SIKU for social and geoscience sharing, spending in the community (homestay accommodation, groceries).

Tamatkiumayunik Ihuikgutivaktunik

This community mapping activity is not anticipated to increase effects not already incurred by residents in the community given that most transportation is by foot and samples will be fist-sized (no trenching, no blasting). Hiking the Itijjagiaq Trail will be no-trace. If support by helicopter is acquired there will be no refueling in the park, landings will be in stable areas and the aircraft would shutdown while observations on the ground are made.

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Havakvinga																									
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Aulapkaininnga																									
Researching		-	-	-	-	-	-	-	-	-	-	-	M		-	-	-	-	-		-	P	P	-	-
Piiqtauniq																									
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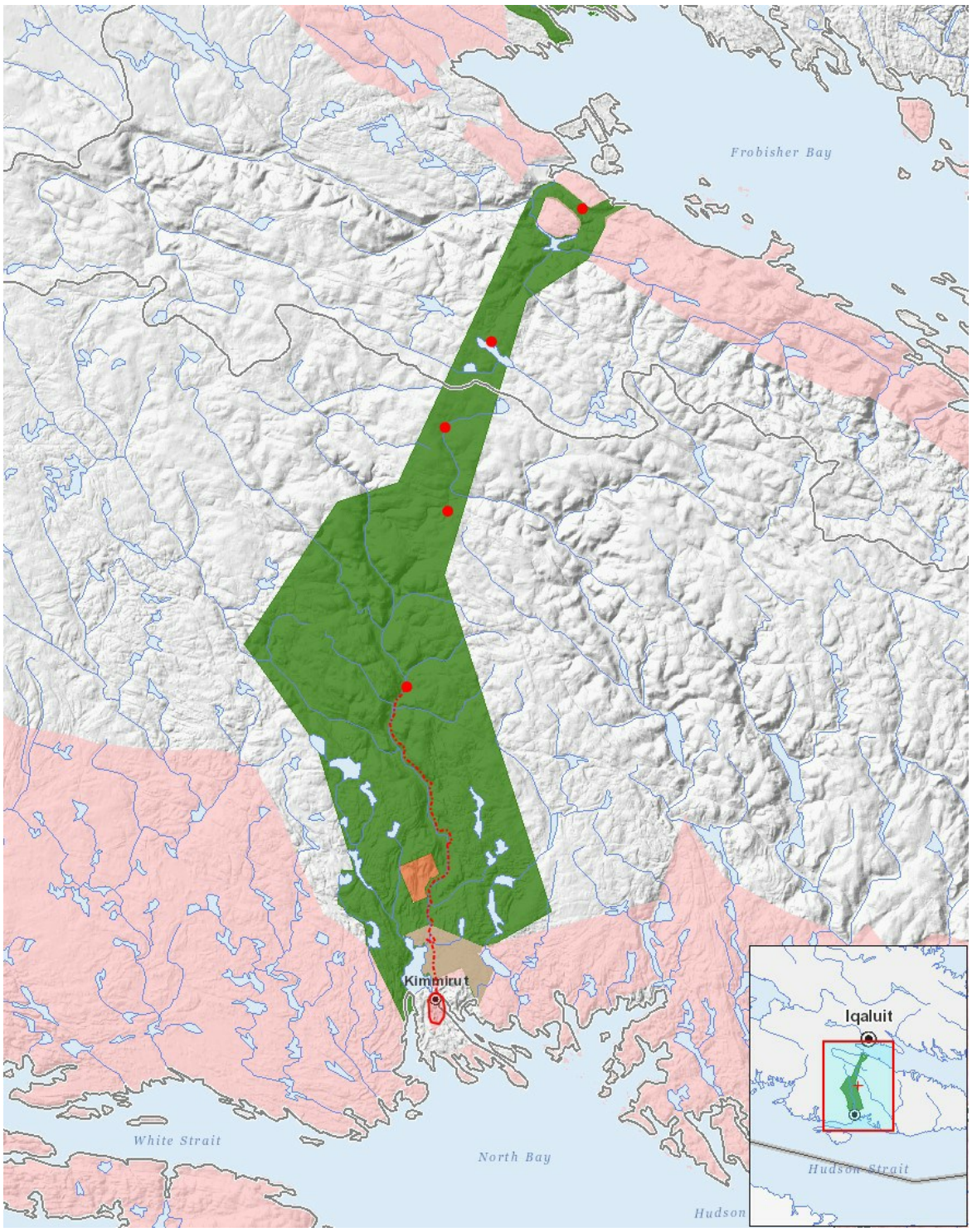
(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	polygon	municipality of Kimmirut, NU June 29-July 13
2	polyline	hike to shelter #9 July 14
3	polyline	hike from #9 to shelter #8 July 15
4	polyline	hike from #8 to shelter #7 July 16
5	point	bedrock mapping near shelter #7 July 17
6	point	bedrock mapping near shelter #5 July 18
7	point	bedrock mapping near shelter #4 July 18
8	point	bedrock mapping near shelter #3 July 18
9	point	bedrock mapping near shelter #1 trailhead July 18