NIRB Uuktuutinga Ihivriuqhikhamut #126188
Hamlet of Baker Lake Sealift Infrastructure Project

Uuktuutinga Qanurittuq:	New
Havaap Qanurittunia:	Hannayauyukhanik
Uuktuutinga Ublua:	Thursday, June 5, 2025
Period of operation:	from 2026-05-14 to 2075-09-13
Havauhikhaq Ikayuqtinga:	Sheldon Dorey Hamlet of Baker Lake PO Box 149, 3022 4th Ave Baker Lake Nunavut X0C 0A0 Canada Hivayautit Nampanga:: 867-793-2874, Kayumiktukkut Nampanga::

QANURITTUT

Tukihiannaqtunik havaariyauyumayumik uqauhiuyun

Qablunaatitut: The Municipality of the Corporation of Baker Lake (the Hamlet), with support from the Government of Nunavut (GN) received funding from Transport Canada (TC) under the Oceans Protection Plan (OPP) for the construction of the sealift and laydown area (the Project) in the Hamlet of Baker Lake, Nunavut. Worley Canada Services Ltd., operating as Worley Consulting, has been retained by the Hamlet to design and support the construction of the sealift and laydown area in the Hamlet of Baker Lake (the Project). Dynamic Ocean Consulting Ltd. (Dynamic Ocean) is supporting Worley Consulting on the permitting requirements for the Project. The Project is within municipal boundaries and will require a resolution by the Hamlet Council once the design is finalized. Council has accepted the design in concept. The Project is consistent with the community's land use and zoning plan and the land is already appropriately zoned. The Project will not require additional infrastructure to be developed for a haul road or quarry, as existing Hamlet infrastructure will be utilized. Aggregates that are imported to the site will be taken from either the quarry site, approximately six kilometres (km) north of the Hamlet along the road to Agnico Eagle Meadowbank (AEM) or the gravel pit to the west of the Hamlet, both of which are within the municipal boundaries. Construction is planned to begin in summer 2025 and is expected to take approximately four months to complete, over a period of 124 days. Construction is expected to occur daily over a 10-hour period. The Project is expected to be operational in the open-water season of 2026. Letters of support from the community are attached.

Uiviititut: N/A

Inuktitut: ᒐᕙᒪᒋᔭᑦ ᑎᒥᖁᑎᐊᑕ ᖃᒪᓂᑦᑐᐋᑉ (Hᐋᒻᒪᓚᖏᑦ), ᐃᑲᔪᖅᑕᐅᓪᓗᑎᒃ ᓄᓇᕗᑉ ᒐᕙᒪᒃᑯᖏᓐᓄᑦ (ᒐᕙᒪᑦ ᓄᓇᕘᒥ) ᑮᓇᐅᔭᓂᒃ ᐱᑎᑕᐅᓚᐅᒻᒪᑕ ᐃᖏᕐᕋᔪᓕᕆᓃᕐᔪᐊᑦ ᑲᓇᑕᒥ (TC) ᐊᑖᒍᑦ ᑕᕆᐅᑦᑕ ᓴᐳᒻᒥᔭᐅᓂᖏᓐᓄᑦ ᐸᕐᓈᖑᔩᑉ (OPP) ᓴᓇᔭᐅᕙᓪᓕᐊᓂᖓᓄᑦ ᓯᑲᐅᒃᑯᑦ ᐅᓯᖏᐊᕝᕙᐅᓲᑉ ᐃᓂᒋᔭᖓᓂᒃ ᑖᓐᓇᓗ ᐱᖁᑎᑖᓄᑦ ᓂᐅᕋᕐᕕᒋᔮᑕ ᓄᓇᖓ (ᓴᓇᕝᕕᐅᔪᖅ) ᐃᓗᐊᓂ ᓄᓇᖁᑎᖏᑕ Hᐋᒻᒪᓚᒃᑯᑦ ᖃᒪᓂᑦᑐᐊᑉ, ᓄᓇᕘᒥ. ᕗᐊᓕ ᑲᓇᑕᒃᑯᑦ ᐱᓷᑦᑎᖅᑎᑦ ᑎᒥᖓ, ᐊᐅᓚᑦᑐᖅ ᑕᕝᕙᓂ ᐃᒪᓐᓇ ᕗᐊᓕ ᖃᐅᔨᒪᔨᑕᖏᑦ, ᐊᑭᓕᖅᑕᐅᓂᑯᑦ Hᐋᒻᒪᓚᒃᑯᖏᓂ ᑎᑎᕋᐅᔭᓖᓄᑦ ᐊᒻᒪ ᒪᓕᒃᑕᐅᔪᒃᓴᖏᓄᑦ ᓴᓇᔭᐅᓯᒋᐊᕈᓂ ᓯᑲᐅᒃᑯᑦ ᐅᓯᖏᐊᕝᕙᐅᓲᑉ ᐃᓂᒋᔭᖓ ᐱᖁᑎᑖᓪᓗ ᓂᐅᕋᕐᕕᒋᔭᑦ ᐃᓂᖓᑕ ᓄᓇᖏᓂᒃ Hᐋᒻᒪᓚᒃᑯᑦ ᒐᕙᒪᖃᕝᕕᐊᓂ ᖃᒪᓂᑦᑐᐊᕐᒥ (ᓴᓇᕝᕕᐅᔪᖅ). ᓄᖅᑲᓯᐃᑦᑐᖅ ᑕᕆᐅᒻᒧᑦ ᖃᐅᔨᒪᔨᑕᖏᑦ ᑎᒥᐊ (ᓄᖅᑲᓯᐃᑦᑐᖅ ᑕᕆᐅᖅ) ᐃᑲᔪᖅᓯᐃᕗᑦ ᕗᐊᓕ ᖃᐅᔨᒪᔨᑕᖏᓂᒃ ᑖᒃᑯᓂᖓ ᐱᔪᓐᓇᐅᑎᒃᑯᑦ ᐊᑐᕆᐊᓕᖏᓂᒃ ᓴᓇᕝᕕᐅᔪᒧᑦ. ᑖᓐᓇ ᐃᓗᐊᓃᒻᒪᑦ Hᐋᒻᒪᓚᒃᑯᑦ ᓄᓇᖁᑎᖏᑕ ᐊᒻᒪᓗᑦᑕᐅᖅ ᐱᖁᔾᔪᕗᖕᖑᕈᑎᒥᒃ ᓴᖅᑭᕝᕙᐅᒍᓂ ᖃᒪᓂᑦᑐᐋᑉ Hᐋᒻᒪᓚᖏᓄᑦ ᑎᑎᕋᐅᔭᓚᖓ ᓈᒻᒪᒃᑲᔭᖅᐳᖅ. ᑲᑎᒪᔩᑦ ᓂᕈᐊᓚᐅᖅ ᓴᓇᓯᒪᔭᐅᔪᒪᔪᒥᒃ ᐃᓯᒪᓕᐊᒃᑯᑦ. ᑖᓐᓇ ᓴᓇᕝᕕᐅᔪᒃᓴᖅ ᒪᓕᑦᑎᐊᓇᔭᖅ ᓄᓇᓖᑦ ᓄᓇᒧᑦ ᐊᑐᖅᑕᐅᖁᔾᔭᓄᑦ ᐊᒻᒪᓗ ᑮᓪᓕᓯᓂᐊᓗᑦ ᓄᓇᐃᑦ ᐸᕐᓇᐅᑎᒧᑦ ᑖᓐᓇᓗ ᓄᓇᖓ ᓈᒻᒪᒃᑐᒥᒃ ᑎᒃᑯᐊᓚᐅᓪᓗᓂ ᐃᓗᐊᒍᑦ. ᓴᓇᔭᐅᔪᒃᓴᖅ ᐃᓚᖃᕐᓂ ᐊᓯᖏᓂᒃ ᓴᓇᔭᐅᔪᒃᓴᓂᒃ ᓲᕐᓗ ᐊᖅᑯᑎᒃᓴᒥᒃ ᐅᔭᕋᓂᐊᕝᕕᓪᓘᓐᓂᑦ ᑐᐊᐸᖏᓄᑦ, ᑖᒃᑯᐊ ᐅᓪᓗᒥ Hᐋᒻᒪᓚᒃᑯᑦ ᓯᓇᒃᑯᑖᖏᑦ ᐊᑐᐃᓐᓇᐅᒻᒪᑕ. ᑐᐊᐸᐃᑦ ᐅᓯᒃᖃᑕᓂᐊᖅᑕᕗᑦ ᑕᕝᕙᙵᑦ ᑐᐊᐸᒃᑕᕝᕕᐅᔪᒥᒃ, ᐃᒻᒪᖅ ᐅᖓᓯᓐᓂᖓ 6 ᑭᓛᒥᑕ ᐅᐊᖕᓈᑕ ᓄᓇᓕᐅᑉ ᒪᓕᒃᖢᒍ ᑕᓐᓇ ᐊᖅᑯᑎᖓ ᐅᔭᕋᓂᐊᕝᕕᖓᓄᑦ ᖃᓪᓗᓈᑐᑦ ᐊᒃᓃᑯ ᐄᒍ (AEM) ᐅᕝᕙᓗ ᑐᐊᐸᒃᑕᕝᕕᒻᒥ Hᐋᒻᒪᓚᒃᑯᑦ ᐱᖓᓐᓇᖕᖏᖓᒍᑦ, ᑕᒪᐃᓐᓂᒃ ᐃᓗᐊᓃᒻᒪᑎᒃ ᓄᓇᓕᐅᑉ ᒐᕙᒪᖓᑕ ᐊᐅᓚᑕᖏᓂᒃ. ᓴᓇᔭᐅᓂᒃᓴ ᐃᒻᒪᖅ ᑲᔪᓯᓗᓂ ᐊᐅᔭᖓᒍᑦ 2025 ᐊᒻᒪ ᓂᕆᐅᒋᔭᖅ ᑕᖅᑭᓪᓗᐊᓂᒃ ᑎᓴᒪᓂᒃ ᐊᓂᒍᓛᖅ, ᐅᓪᓗᑦ ᑕᑯᓗᒋᑦ ᐃᒻᒪᖅ 124 ᐅᓪᓗᖏᑦ. ᓴᓇᔭᐅᕙᓪᓕᐊᓂᖓ ᖃᐅᑕᒫᖅ ᑲᔪᓯᓛᖅ ᐅᓪᓗᒥ ᖁᓕᓄᑦ (10) ᐃᑲᕐᕋᓄᑦ ᐊᐅᓚᕙᓪᓗᑎᒃ. ᑖᓐᓇ ᓴᓇᔭᐅᕙᓪᓕᐊᔪᖅ ᓂᕆᐅᒋᔭᑦᑎᒍᑦ ᐊᑐᕈᓐᓇᖅᓯᓂᐊᖅᑐᖅ ᓯᕗᓂᐊᑕ ᐊᐅᔭᒃᑯᑦ ᐅᒥᐊᖅᑐᓐᓇᖅᓯᓂᐊᑕ ᐊᕐᕌᒍᐊᓂ 2026. ᑎᑎᖅᑲᑦ ᐃᑲᔪᖅᓯᐄᔪᑦ ᑖᔅᓯᒥᖓ ᓴᓇᔭᐅᔪᒧᑦ ᐅᐃᒍᔭᐅᓯᒪᔪᑦ.

Inuinnaqtun: N/A

Personnel

Personnel on site: 15

Days on site: 124

Total Person days: 1860

Operations Phase: from 2025-05-15 to 2025-09-13

Operations Phase: from 2026-05-14 to 2075-09-13

Post-Closure Phase: from to

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtailiyainnit nuna
Hamlet of Baker Lake New Sealift	Municipal and Industrial Development	Municipal	N/A	N/A	New sealift laydown area is 500 m east of the easternmost extent of the current developed zones.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Qamaniittuaq	Sheldon Dorey	Hamlet of Baker Lake	2020-02-02
Qamaniittuaq	Baker Lake HTO	Baker Lake HTO	2020-02-01

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Iqalukhiurniqmut Tariuqmilu Kaanata	Section 52(2) FAA. Request for Review	Not Yet Applied		
Tingmiliqiyiitkut Kaanatami	Minor work or approval	Not Yet Applied		
Hamlets and Municipalities	Design and Development Permit/Approval	Not Yet Applied		
Alaanut	Nunavut Planning Commission - Conformity Determination	Active	2025-04-22	
Alaanut	Government of Nunavut - Culture and Heritage - Class 2 Nunavut Territory Archeologist Permit	Applied, Decision Pending		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Land	Local labour will be employed for the construction of the Project.	

Project accomodation types

Nunauyuq

Alaanut,

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Front-End Loader	1	20.25 ft. High by 7.91 ft. Wide	Loading aggregates.
Rock Truck	3	21 ft. Long by 8.5 ft. Wide	Hauling aggregates.
Roller Compactor	1	NA	Road construction.
Crusher	1	NA	Processing aggregates.
Screener	1	NA	Processing aggregates.
Excavator	2	40 tons	Handling aggregates.

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Diesel	fuel	4	100000	400000	Liters	Mobile equipment, generators, and heaters.
Gasoline	fuel	2	500	1000	Liters	Mobile equipment, generators, and heaters.
Lubes and Oils	hazardous	8	5	40	Gallons	Maintenance of mobile equipment.

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqtittagaani qanuq	Atulirumayain imavaluin utiqtittagani humi
4	Municipal equipment	Municipal water supply

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Harbour infrastructure	Qirnarivyaktuq imaq	400 m3	Municipal sanitary truck to Hamlet sewage lagoon.	N/A
Harbour infrastructure	Hivuuranaqtun iqakuuvaluin	1600L	Returned to south in sealed drums or lined bags, transported in 20 ft. shipping containers and disposed in accordance with regulatory procedures.	N/A

Avatiliriniqmut Ayurhautingit:

There are no residual effects expected subsequent to the implementation of Project mitigation and monitoring measures. A CEMP (attached) has been developed that details measure to be implemented to minimize negative environmental and socio-economic effects associated with the construction phase of the Project. A Request for Review (RFR) will be submitted to Fisheries and Oceans Canada – Fish and Fish Habitat Program (DFO-FFHPP) to confirm if a Fisheries Act Authorization (FAA) is required. This is a community project, being led by the Hamlet. The community is very much looking forward to this long-awaited benefit from improved safety and efficiency of sealift operations. The community does not anticipate any major effects on wildlife from noise and construction activities. The effects on wildlife from the Project will be minimal and temporary and no concerns regarding impacts to wildlife were expressed. There is very limited harvesting, if any, in or around the Project and hunters do not anticipate that construction will have any impacts on wildlife or their ability to continue subsistence activities such as hunting, fishing, trapping, and gathering. A summary of potential impacts is provided in Section 3 of the CEMP. Proposed mitigation measures are detailed in Section 4.2, Table 4-1 of the CEMP.

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

A new laydown area will be constructed approximately 500 m east of the easternmost extent of the current developed zones. The new laydown area will initially measure approximately 1.5 hectares (ha) but will retain the potential for further eastward or northward expansion. Due to the approximately 1V:10H ground slope in the proposed area, the laydown area will consist of a single bench, partially cut and partially filled, and covered by 0.3 m of processed gravel at a 4 % slope. Drainage ditches on the upland side will redirect surface water both east and west, and down toward the lakeshore. A new access road will be constructed to link the existing road with the laydown area. The road will be 10 m wide and consist of 1.2 m of pit-run fill covered by 0.3 m of processed gravel. Drainage for the site will be a ditch cut alongside the road, and a culvert beneath to roadway access to the laydown area. A new landing ramp will be constructed to the edge of the lakeshore and will be accessible from the lower bench of the laydown area. The ramp will be 30 m wide to allow for two barges to unload simultaneously and will be surfaced with 0.5 m of processed gravel. The ramp will not extend below the HWL.

Qanurittuq Ittunik Avatinga: Avatingalluanga

The Project is occurring within municipal boundaries in a developed area with minimal natural habitat. The site is located between existing hamlet structures and the adjacent mine cargo marshalling yard. Adjacent road down to the shore is used a boat launch. Adjacent creek is referred to as “Garbage Creek” and drains a lake adjacent to the old hamlet landfill. The site is adjacent to an existing mine cargo marshalling area

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

The Project is occurring within municipal boundaries in a developed area with minimal natural habitat, and sparse vegetation. There is no works below the High-Water Level (HWL).

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Baker Lake is the fourth largest community in Nunavut with a population of 2,067 residents according to 2016 census data from Statistics Canada, which also noted a 10.5 % increase in population since 2011 (Statistics Canada, 2017). Considerable population growth and supporting services to the AEM mine has resulted in Baker Lake seeing a steady increase in sealift cargo. Baker Lake is also unique as the only in-land community in Nunavut, and navigating the Chesterfield Narrows to access the lake adds extra logistical complications to cargo delivery.

Miscellaneous Project Information

N/A

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

There are no residual effects expected subsequent to the implementation of Project mitigation and monitoring measures. A CEMP (attached) has been developed that details measure to be implemented to minimize negative environmental and socio-economic effects associated with the construction phase of the Project. A Request for Review (RFR) will be submitted to Fisheries and Oceans Canada – Fish and Fish Habitat Program (DFO-FFHPP) to confirm if a Fisheries Act Authorization (FAA) is required. This is a community project, being led by the Hamlet. The community is very much looking forward to this long-awaited benefit from improved safety and efficiency of sealift operations. The community does not anticipate any major effects on wildlife from noise and construction activities. The effects on wildlife from the Project will be minimal and temporary and no concerns regarding impacts to wildlife were expressed. There is very limited harvesting, if any, in or around the Project and hunters do not anticipate that construction will have any impacts on wildlife or their ability to continue subsistence activities such as hunting, fishing, trapping, and gathering. A summary of potential impacts is provided in Section 3 of the CEMP. Proposed mitigation measures are detailed in Section 4.2, Table 4-1 of the CEMP.

Tamatkiumayunik Ihuikgutivaktunik

All impacts from the Project were considered either “Positive” or “Negative and Mitigatable” and thus no residual effects are expected subsequent to implementation of mitigation and monitoring measures.

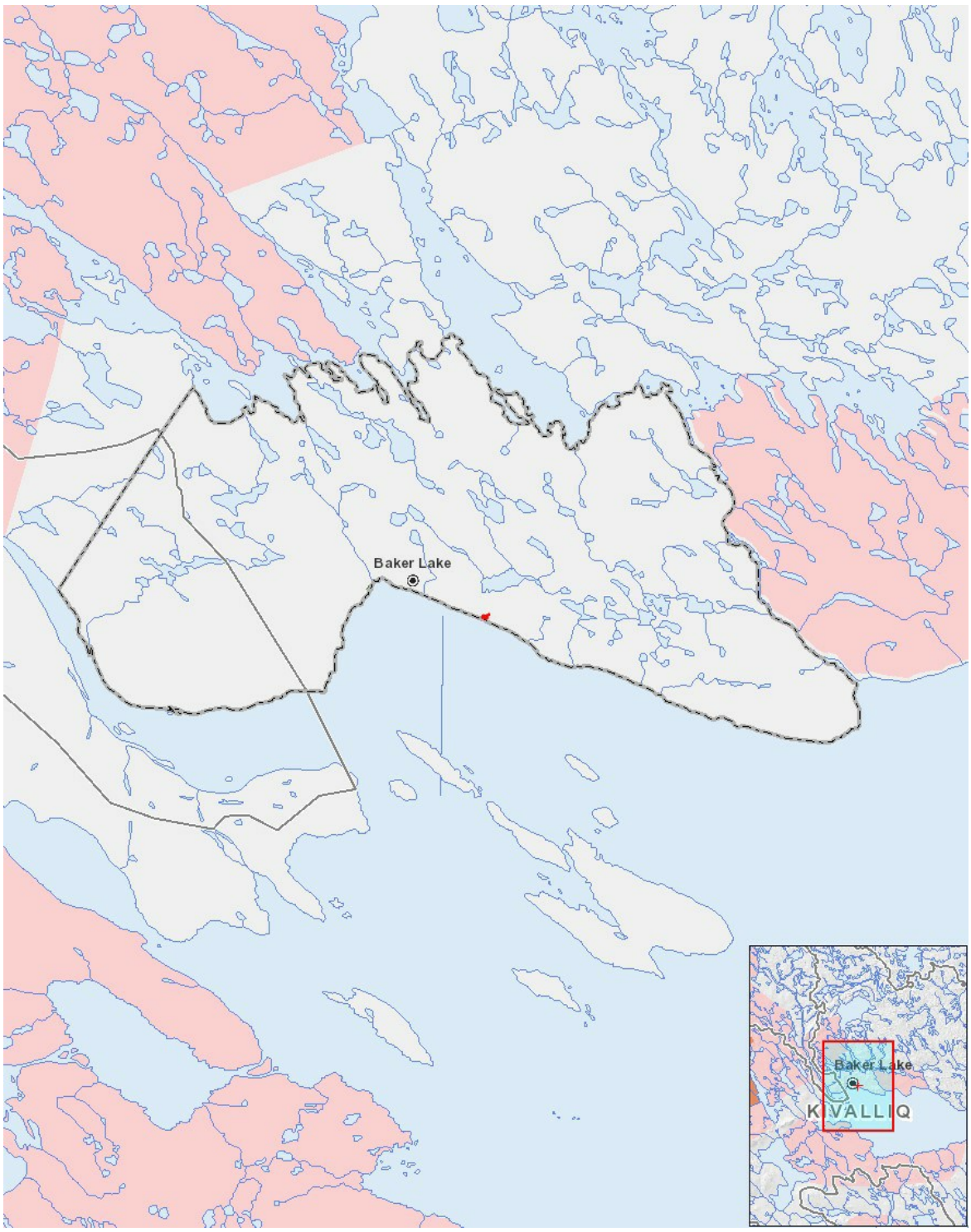
Impacts

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																									
Municipal and Industrial Development		-	-	-	-	M	-	-	-	M	M	M	M		M	M	M	M	-		-	P	M	M	M
Aulapkaininnga																									
Municipal and Industrial Development		-	-	-	-	-	-	-	-	-	-	M	M		-	-	-	-	-		-	P	P	P	P
Piiqtauniq																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	polyline	Hamlet of Baker Lake New Sealift