



NIRB Uuktuutinga Ihivriughikhamut #125742

South Kitikmeot Gold Project

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Mineral Exploration

Uuktuutinga Ublua: 10/21/2022 7:27:35 PM

Period of operation: from 0001-01-01 to 0001-01-01

Piumayaat Angirutinga: from 0001-01-01 to 0001-01-01

Havauhikhaq Ikayuqtinga: Agha Shahzad Pervez
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Perth Western Australia 6000
Australia
Hivayautit Nampanga:: 61 3 9071 1847, Kayumiktukkut Nampanga::

Hulilukaarutit

| Inigiya | Hulilukaarut Qanurittuq | Nunangga Qanurittaakhaanik | Initurlinga qanuritpa | Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga | Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaiiyainnit nuna |
|------------------|---------------------------|----------------------------|---|---|---|
| Exploration area | Aerial surveys | Crown | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Aerial surveys | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Baseline data | Crown | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Baseline data | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Camp | Crown | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Camp | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Drilling | Crown | Previously explored intermittently since the 1980's | Inuit Owned Surface Lands | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Drilling | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Fuel and chemical storage | Crown | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Fuel and chemical storage | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Mineral Exploration | Crown | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Mineral Exploration | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Exploration area | Waste disposal | Crown | Previously explored | Unknown | Approx 200 km to each Kugluktuk and |

| | | | | | |
|--------------------------------|------------------------------|---------------------------|--|---------|---|
| | | | intermittently since the 1980's | | Yellowknife |
| Exploration area | Waste disposal | Inuit Owned Surface Lands | Previously explored intermittently since the 1980's | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Historic exploration camp area | Camp | Crown | Historical camp location supporting drilling in 1980s and 1990s | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |
| Historic esker landing strip | Airstrip use or construction | Crown | Landing area on esker adjacent to historic exploration camp used for fixed wing access | Unknown | Approx 200 km to each Kugluktuk and Yellowknife |

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

| Nunauyuq | Atia | Timiuyuq | Upluani Uqaqatigiyaungmata |
|---------------|-------------------------------|----------------------------------|----------------------------|
| Kugluktuk | Wynter Kuliktana, Tannis Bolt | KIA Lands | 2022-09-22 |
| Kugluktuk | Wynter Kuliktana, Tannis Bolt | KIA Lands | 2022-11-01 |
| Kugluktuk | Baba Pedersen | CIRNAC | 2022-10-26 |
| Iqaluit | Tracey McCaie, Andrew Keim | CIRNAC | 2022-10-26 |
| Kugluktuk | Baba Pedersen | CIRNAC | 2022-10-31 |
| Iqaluit | Tracey McCaie, Andrew Keim | CIRNAC | 2022-10-31 |
| Kugluktuk | Baba Pedersen | CIRNAC | 2022-11-08 |
| Iqaluit | Tracey McCaie, Andrew Keim | CIRNAC | 2022-11-08 |
| Kugluktuk | Kevin Methuen, Lisa LeClerc | GN-DOE | 2022-11-10 |
| Kugluktuk | Kevin Methuen, Lisa LeClerc | GN-DOE | 2022-11-10 |
| Ikaluktuttiak | Hugh MacIssac | GN-EDT | 2022-11-02 |
| Ikaluktuttiak | Hugh MacIssac | GN-EDT | 2022-11-03 |
| Iqaluit | Paul Budkewitch | GN-EDT | 2022-10-27 |
| Kugluktuk | Amanda Dumond | Kugluktuk Angoniatit Association | 2022-09-22 |
| Kugluktuk | Kimberley Young | Hamlet of Kugluktuk | 2022-11-01 |
| Urhuqtuuq | Karen Kharatyan | Nunavut Water Board | 2022-11-01 |
| Kugluktuk | John and Mercie Kaodloak | Landusers | 2022-11-01 |
| Iqaluit | Paul Budkewitsch | GN-EDT | 2022-11-03 |
| Kugluktuk | Amanada Dumond | Kugluktuk Angoniatit | 2022-11-01 |

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Kitikmeot

Angiuttauvaktunik

| Munariniqmut Ayuittiaqtuq | Angirutinga Qanurittuq | Tadja Qanurittaakhaanik | Ublua Tuniyauyuq/Uuktuqtuq | Umikvikhaa Ublua |
|---|------------------------|-------------------------|----------------------------|------------------|
| Nunaqaqqaahimayuliriyikkut Ukiuqtaqtumi Pivallianiq Kaanata | Land Use Permit | Not Yet Applied | | |
| Kitikmeot Inuit Katimayiingit | Land Use Licence | Not Yet Applied | | |
| Nunavut Imaligiyyit Katimayit | Water Licence | Not Yet Applied | | |
| Nunavut Kavamanga, Nunavunmi Ihivriunniqmut Timiqutigiyanga | Research licence | Not Yet Applied | | |
| Nunavut Kavamanga, Avatiliriyikkut | Research licence | Not Yet Applied | | |
| Government of Nunavut, Department of Culture, Language, Elders, and Youth | Archaeology Permit | Not Yet Applied | | |

Project transportation types

| Transportation Type | Qanuq Atuqtauniarmangaa | Length of Use |
|---------------------|--|---------------|
| Air | Worker access and resupply by fixed wing, local work are access by helices site and work areas. Planned use of lakes (summer and winter) and adjacent historical esker strip for aircraft landing. Nearby regional airstrips (Lupin) may be used if available. | |
| Land | Possibly resupply by overland cat train from Tibbitt To Contwoyto Winter Road (if it is built) to main camp area | |

Project accomodation types

Temporary Camp

Ihuaqutivaluin Atuqtauyukhan

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

| Hanalrutit Qanurittuq | Qaffiuyut | Aktikkulaanga – Qanurittullu | Qanuq Atuqtauniarmangaa |
|---|-----------|------------------------------|--|
| Fixed wing aircraft | tbd | tbd | Access, camp and drill support |
| Drills | tbd | tbd | Exploration drilling |
| Helicopters | tbd | tbd | Access, drill support, airborne geophysics |
| Generators | tbd | tbd | power for camp and drills |
| Drone | tbd | tbd | Airborne geophysics, mapping |
| Water pump | tbd | tbd | Pump water for domestic and industrial use |
| Snowmobiles | tbd | tbd | Access |
| Snowcat | tbd | tbd | Camp and drill support |
| Watercraft | tbd | tbd | Access |
| Compressors | tbd | tbd | Camp and drill support |
| ATV | tbd | tbd | Access, camp support |
| Skidsteer | tbd | tbd | Camp support |
| Temporary tent camp | 1 | up to 60 persons | Main camp with hard floors, soft walls |
| Sloop or equivalent | various | tbd | Exploration support |
| Kubota | 1 | small | Winter access support |
| UTV | various | tbd | Winter access support |
| Ground geophysics instrumentation | various | tbd | Exploration |
| Temporary tent camp (Arctic oven style) | multiple | up to 6 persons | Small temporary camp for remote crews |

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

| Qanurittuq urhuqyuaq hunavaluit aturninnga: | Urhuqyuaq Qanurittuq | Qaffiuyut qattaryut | Qattaryuk Aktikkulaanga | Atauttimut Qaffiuyut | Ilanga | Qanuq Atuqtauniarmangaa |
|---|----------------------|---------------------|-------------------------|----------------------|---------|---|
| Propane | fuel | 20 | 100 | 2000 | Lbs | Camp and drill fuel |
| Propane | fuel | 10 | 50 | 500 | Lbs | Camp fuel |
| Lubricants, greases | hazardous | 36 | 5 | 180 | Gallons | Equipment and drill maintenance |
| Drilling additives | hazardous | 36 | 5 | 180 | Gallons | Drill support |
| Salt | hazardous | 500 | 50 | 25000 | Lbs | Drill support |
| Oxygen | hazardous | 6 | 100 | 600 | Lbs | Welding for equipment repair, first aid |
| Acetylene | hazardous | 4 | 100 | 400 | Lbs | Welding for equipment repair |
| Aviation fuel | fuel | 200 | 205 | 41000 | Liters | Aircraft fuel |
| Diesel | fuel | 225 | 205 | 46125 | Liters | Camp and equipment fuel |
| Gasoline | fuel | 25 | 205 | 5125 | Liters | Equipment fuel |

| | | | | | | |
|--------|-----------|-----|----|-------|-----|---------------|
| Cement | hazardous | 500 | 50 | 25000 | Lbs | Drill support |
|--------|-----------|-----|----|-------|-----|---------------|

Imaqmik Aturninnga

| Ubluq qanuraaluk (m3) | Aturumayain imavaluin utiqittagaani qanuq | Atulirumayain imavaluin utiqittagani humi |
|------------------------------|--|--|
| 299 | Pump with screened intake | Various lakes proximal to camp locations(s) and drills |

Iqqakuq

Ikkakunik Munakgiyauyunik

| Havauhikhaq Hulilukaarut | Qanurittuq Iqqakut | Ihumagiyauyuq Qanuraaluktut Atuqtait | Qanuq Iqqakuurniarmangaa | Halummaqtirarnirutikhan piyutin |
|---------------------------|---|--------------------------------------|---|---|
| Camp | Ikulalaaqtun iqqakuuvaluin | Various | Incinerate, open burn (large clean wood and paper) and/or backhaul | Backhaul ash for offsite disposal |
| Drilling | Ikulalaaqtun iqqakuuvaluin | Various | Incinerate, open burn (large clean wood and paper) and/or backhaul | Backhaul ash for offsite disposal |
| Camp | Qirnarivyaktuq imaq | Up to 8 m3/day | Discharge to sump | Grease trap in kitchen, possible french box filter or similar may be used |
| Camp | Hivuuranaqtun iqqakuuvaluin | Various | Backhaul all for offsite treatment, recycling and/or disposal | - |
| Drilling | Hivuuranaqtun iqqakuuvaluin | Various | Backhaul all for offsite treatment, recycling and/or disposal | |
| Fuel and chemical storage | Hivuuranaqtun iqqakuuvaluin | Various | Water that has accumulated in secondary containment will be discharged to tundra following treatment if needed. | Activated carbon filter and/or oil/water separator |
| Camp | Ikulalimanngittun iqqakuuvaluin | Various | Backhaul for offsite treatment, recycling and/or disposal | |
| Drilling | Ikulalimanngittun iqqakuuvaluin | Various | Backhaul for offsite treatment, recycling and/or disposal | |
| Drilling | Other, Drill cuttings | Various | Discharge to upland sump or depression | Settling tanks and/or flocculants to support water reuse where possible |
| Mineral Exploration | Other, Cuttings and water from core saw | various | Discharge to upland sump or depression | Settling tanks and/or flocculants to support water reuse where possible |
| Camp | Anaagun (inuin anaaguin) | approx 0.1 m3/day/person | collect in pacto style toilet. Either incinerate on site or backhaul for offsite disposal | Backhaul incinerator ash for offsite disposal |

Avatiliriniqmut Ayurhauingit:

See attached document

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

Gold

SECTION B2: Exploration Activity

The following exploration activity may occur over the life of the project: trenching; exploration drilling on land or over ice (diamond and/or rotary air-blast/reverse circulation); geophysical work (ground and air); soil sampling; core logging.

SECTION B3: Geosciences

Geophysical (ground and air) operations may include the following, or similar/related methodologies: magnetic; gravimetric; electromagnetic. Geological operations may include geological mapping. Activity locations, timing and flying are to be determined. Activities may occur throughout the study area.

SECTION B4: Drilling

Drill hole locations and depths are to be determined based on ongoing analysis of historic exploration activities, and results of new exploration activities. It is expected that drilling will be limited to the existing claim areas. Based on future prospecting results, claim boundaries may change in the future, however, it is reasonable to expect that drilling will occur in an area contiguous with that already delineated. Drill additives will be used where required, to the minimum extent possible. Additives vary depending on the nature of the ground encountered. Salt may be used, along with other non-toxic materials. Cuttings will be dewatered to the greatest extent possible and deposited in an adjacent upland sump. Drill water will be recirculated and reused to the greatest extent possible. Excess drill water will be deposited in an adjacent upland sump. Drill equipment will be mobilized by helicopter. Drill holes will be abandoned by cutting the drill stems off at ground level and backfilling any areas of subsidence around drill stems in such a manner as to prevent water accumulation.

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

The property is centred south of the informally named Esker Lake and includes a small lake in the eastern portion of the claim informally named Sheit Lake in past reports. Elevations on the property range from 390 m at Esker Lake to 430 m at the top of Brandon Hill. The Project is located within the Southern Arctic Ecozone and the Takijuu Lake Upland Ecoregion. Much of this region is composed of unvegetated rock outcrops. Organic Cryosols are the dominant soils in the lowlands and permafrost is deep and continuous. The area is characterized by very cold winters, brief cool summers and short fall and spring seasons. Climate data from the nearest weather station at the Lupin Mine, 145 km NE of the property, indicate that mean daily temperatures in the area vary from -30°C in January to +12°C in July and that average annual rainfall is 16.0 cm. The topography is gently undulating with sparse bedrock exposures. Lakes and some swamps cover much of the low lying areas.

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

The Project is located within the Southern Arctic Ecozone and the Takijuu Lake Upland Ecoregion. Vegetative cover is characterized by shrub tundra, consisting of dwarf birch, willow, northern Labrador tea, avens species and blueberry species. Characteristic wildlife includes caribou (barren ground caribou of the Bathurst, Beverly and Ahlak herds), muskoxen, grizzly bear, wolverine, Arctic hare, Arctic fox, red fox and wolf. Small mammals (e.g., Arctic ground squirrel, voles, and lemmings) are distributed throughout the region and provide an important food source for predators. Many species of migratory birds are present in the area during the summer season, including waterfowl, raptors, songbirds, and shorebirds, while some bird species are present year-round (e.g., ptarmigan, gyrfalcon, and common raven). The Project is located within the Southern Arctic Ecozone and the Takijuu Lake Upland Ecoregion. The Project

also occurs within Area 1 of the Bathurst Caribou Range Planning Area, within the centre of habitation. Bathurst caribou may use the Project area all year, with highest use occurring for summer range.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

The Project occurs within the Kitikmeot Region of Nunavut, predominantly on Crown Land; activities on and adjacent to one of the clam blocks occurs on an Inuit Owned Land (IOL) parcel. The Project also occurs within the Akaitcho Dene First Nations asserted territory, and is also situated within the boundary of the Môwhi Gogha De Nîitlèè. The Project is located 424 km southeast of Kugluktuk, NU, 400 km northeast of Yellowknife, NT and 145 km east - southeast of the Lupin Mine on Contwoyto Lake and south-south west of the Back River Project. Hunting and traditional land use are understood to occur in the area .

Miscellaneous Project Information

Included with this application are the following: Project Description; Engagement Plan; Spill Response Plan; Closure and Reclamation Plan; Waste Management Plan; Environment and Heritage and Heritage Resources Protection Plan (including wildlife); photos of typical work planned.

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikkliyuumiutinahuarutit

See attached impact assessment

Tamatkiumayunik Ihuikgutivaktunik

Potential effects have been assessed and are considered to be either Negative and Mitigable, or Positive, and as a result, there are no residual effects to be carried forward into a cumulative effects assessment. Further, it is understood that effects such as those to wildlife including sensory disturbance, habituation or attraction, and unintentional interactions may occur through execution of project activities or in combination with other activities that may have a spatial or temporal overlap with the project, such as non-project overflights or traditional land use. However, given the robust mitigation measures proposed and the temporary seasonal nature of the project activities, any cumulative effects that may arise are considered immeasurable and small, intermittent and short term.

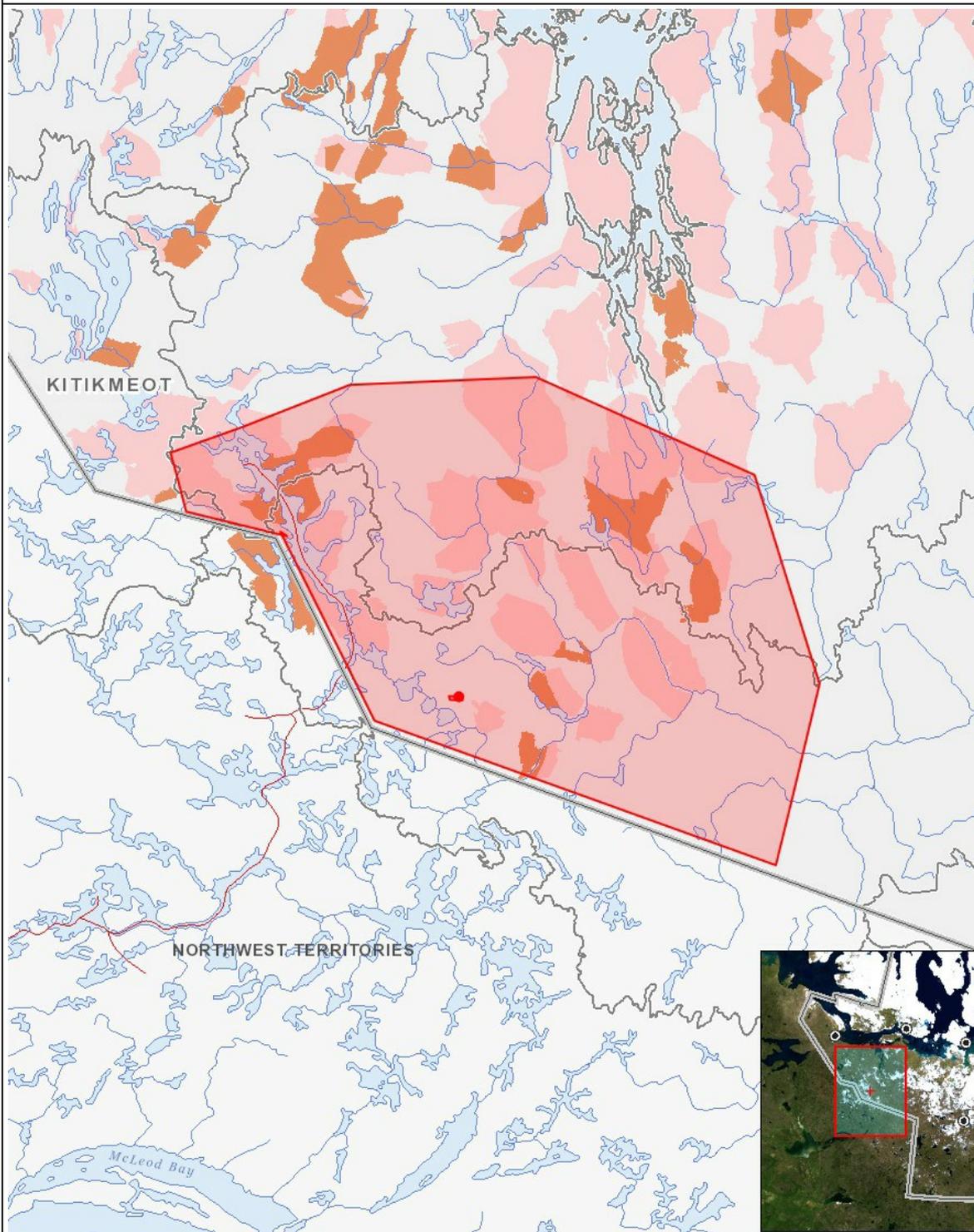
Impacts

Ilitariyauniq Avatiliriniqmut Ayurhauingit

| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Airstrip use or construction | - | M | - | - | - | - | M | - | - | - | - | - | - | - | - | - | - | - | - | - | P | - | - | - | |
| Camp | - | M | - | - | - | - | M | - | - | - | - | - | - | M | M | M | M | - | - | M | P | P | P | - | |
| Fuel and chemical storage | - | - | - | - | - | - | - | - | - | - | - | - | - | - | M | M | - | - | - | M | P | P | - | - | |
| Aulapkaininnga | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aerial surveys | - | - | - | - | - | - | - | - | - | - | M | M | - | - | M | M | - | - | - | - | P | P | - | - | |
| Airstrip use or construction | - | M | - | - | - | - | - | - | - | - | M | M | - | - | M | M | - | - | - | - | P | - | - | - | |
| Baseline data | - | P | P | - | P | P | P | P | P | P | P | P | P | P | P | P | P | - | - | P | - | - | - | - | |
| Camp | - | M | M | - | M | - | - | - | M | - | M | M | - | - | M | M | M | - | - | - | P | P | - | - | |
| Drilling | - | M | M | - | M | - | - | - | M | - | M | M | M | M | - | - | M | - | - | M | P | P | - | - | |
| Fuel and chemical storage | - | - | - | - | M | - | - | - | M | - | - | - | - | - | - | - | - | - | - | - | P | P | - | - | |
| Waste disposal | - | M | M | - | M | - | - | - | M | - | M | - | - | - | M | - | M | - | - | - | P | P | - | - | |
| Mineral Exploration | - | - | - | - | - | - | - | P | - | - | - | - | - | - | - | - | - | - | - | - | P | P | - | - | |
| Piiqtauniq | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camp | - | M | M | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Drilling | - | M | M | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Fuel and chemical storage | - | M | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

| | | |
|---|---------|--------------------------------|
| 1 | polygon | Exploration area |
| 2 | polygon | Historic exploration camp area |
| 3 | point | Historic esker landing strip |