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The purpose of the Hood River Gold Project (the Project) is to conduct exploration-related activities to assess previously identified gold targets, to conduct prospecting to locate new gold targets and to explore these targets. Exploration activities may include airborne surveys, drilling, sampling, mapping and prospecting. Environmental and heritage resources baseline studies may be undertaken to inform future project planning and mitigate potential program impacts. Works will be based either regionally, or out of a camp to be established on the property, or out of a camp established on nearby properties, should permitting and availability exist (the Program). Current and past authorizations exist for exploration related activities on the property, including mapping, sampling, geophysics, drilling, prospecting, operating a camp, conducting archaeology and environmental baseline studies. These authorizations are: •NIRB screening 07EN067, 14EN033; •NWB water licence 2BE-HRP1419; •KIA Land use licences KTL307C014 and KTL314C010 (expired); •NTI Mineral Exploration Agreement HOODRIVER-001. The purpose of this application is to: •Renew the existing water licence 2BE-HRP1419; •Amend the existing water licence to allow for establishment of a temporary camp and the related domestic water use and waste deposit; •Renew the expired land use licence to allow for exploration, temporary camp establishment and future potential environmental and heritage resources baseline studies. The study area indicated on the maps provided is the Hood River watershed boundary. Should the Applicant commence baseline studies, it is reasonable to expect that they may include sampling upstream and downstream of the exploration area. The Exploration area is currently delineated according to the existing Agreement with NTI, and occurs in an area immediately adjacent to the Ulu property. While the exploration area boundaries may change in the future based on prospecting results, exploration is expected to occur in the general vicinity of the existing Hood River and Ulu parcels. Related, a temporary camp is proposed, for a suitable location within the current Hood River parcel. Based on exploration results, it is possible that the camp may be relocated over the life of the program, to an area proximal to drilling.

▷ ΔΑΠΝΩ<sup>c</sup>: n/a

$\Delta \mathcal{D}^b \cap \mathcal{D}^c$ : Please see attached.

Inuinnaqtun: Please see attached.

## Personnel

Personnel on site: 60

Days on site: 750

Total Person days: 45000

Operations Phase: from 2019-06-26 to 2019-07-05

Operations Phase: from 2019-06-26 to 2024-06-25

Post-Closure Phase: from to

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| Area   | Approximate Exploration Area | Ownership                     | Exploration Activities  | Exploration Results                 | Exploration Location                         |
|--|------------------------------|-------------------------------|---|-------------------------------------|--|
| Approximate exploration area. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study Area. | Drilling                     | Inuit Owned Sub-Surface Lands | Exploration has occurred in the vicinity in the past.   | N/A                                 | Kugluktuk is approximately 200 km northwest. |
| Study Area, Hood River Watershed. Environmental baseline studies may occur throughout the watershed.   | Airstrip use or construction | Inuit Owned Surface Lands     | There is an existing airstrip south of the Ulu property, which the Project may make use of. Alternately, an adjacent lake may be used for landing resupply aircraft on floats. No new airstrip construction is planned. | None.                               | Kugluktuk is approximately 200 km northwest. |
| Study Area, Hood River Watershed. Environmental baseline studies may occur throughout the watershed.   | Baseline data                | Crown                         | Studies have occurred throughout the watershed in the past, in support of other exploration projects.   | Unknown. Studies may be undertaken. | Kugluktuk is approximately 200 km northwest. |
| Study Area, Hood River Watershed.  | Baseline data                | Inuit Owned Surface           | Studies have occurred throughout the watershed in the past.   | Unknown. Studies may be undertaken. | Kugluktuk is approximately 200 km            |

|  |          |                           |   |                                      |  |
|--|----------|---------------------------|---|--------------------------------------|--|
| Environmental baseline studies may occur throughout the watershed.   |          | Lands                     | in support of other exploration projects.   |                                      | northwest.                                   |
| Approximate exploration area. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study Area. | Camp     | Inuit Owned Surface Lands | Exploration camps have been established in the vicinity in the past. There is currently a camp on the adjacent Ulu property. However, this camp is currently unavailable for use. | Unknown. Studies will be undertaken. | Kugluktuk is approximately 200 km northwest. |
| Approximate exploration area. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study       | Drilling | Inuit Owned Surface Lands | Exploration has occurred in the vicinity in the past.   | Unknown. Studies may be undertaken.  | Kugluktuk is approximately 200 km northwest. |

|  |                           |                           |   |                                      |  |
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| Area.  |                           |                           |   |                                      |  |
| Approximate exploration area. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study Area. | Fuel and chemical storage | Inuit Owned Surface Lands | Fuel caches have been established in the vicinity in the past, to support exploration and camp operation.           | Unknown. Studies will be undertaken. | Kugluktuk is approximately 200 km northwest. |
| Study Area, Hood River Watershed. Environmental baseline studies may occur throughout the watershed.   | Mineral Exploration       | Crown                     | Exploration has occurred in the vicinity in the past.   | Unknown. Studies may be undertaken.  | Kugluktuk is approximately 200 km northwest. |
| Study Area, Hood River Watershed. Environmental baseline studies may occur throughout the watershed.   | Mineral Exploration       | Inuit Owned Surface Lands | Exploration has occurred in the vicinity in the past.   | Unknown. Studies may be undertaken.  | Kugluktuk is approximately 200 km northwest. |
| Approximate exploration area. Exploration activities, including a temporary camp (location to  | Waste disposal            | Inuit Owned Surface Lands | Waste disposal from camp activities (grey water) and drilling (cuttings) have occurred in the vicinity in the past. | Unknown. Studies may be undertaken.  | Kugluktuk is approximately 200 km northwest. |

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| be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study Area. |  |  |  |  |  |
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|-------------|---|---|-------------|
| ᓇᓇᓯᓪᓐ       | Geoff Clark   | KIA-Lands   | 2019-01-08  |
| ᓇᓇᓯᓪᓐ       | Geoff Clark   | KIA-Lands   | 2019-01-24  |
| ᓇᓇᓯᓪᓐ       | Geoff Clark   | KIA_Lands   | 2018-10-26  |
| ᓇᓇᓯᓪᓐ       | Geoff Clark   | KIA-Lands   | 2018-11-05  |
| ᓇᓇᓯᓪᓐ       | Geoff Clark, Tannis Bolt  | KIA-Lands   | 2019-03-19  |
| ᓇᓇᓯᓪᓐ       | Geoff Clark   | KIA-Lands   | 2019-04-02  |
| ᓇᓇᓯᓪᓐ ᓇᓇᓯᓪᓐ | Stanley Anablak, Paul Emingak, Fred Pedersen, Michelle Gillis, John Roesch, Geoff Clark | KIA   | 2019-03-02  |
| ᓇᓇᓯᓪᓐ       | Amanda Dumond   | Kugluktuk Angoniatit Association                          | 2019-01-10  |
| ᓇᓇᓯᓪᓐ       | Amanda Dumond   | Kugluktuk Angoniatit Association                          | 2019-01-23  |
| ᓇᓇᓯᓪᓐ       | Amanda Dumond   | Kugluktuk Angoniatit Association                          | 2019-03-20  |
| ᓇᓇᓯᓪᓐ ᓇᓇᓯᓪᓐ | Sam Angohiatok  | Burnside & Omingmaktok Hunters' & Trappers' Organizations | 2019-02-04  |
| ᓇᓇᓯᓪᓐ ᓇᓇᓯᓪᓐ | Sam Angohiatok  | Burnside & Omingmaktok Hunters' & Trappers' Organizations | 2019-02-11  |
| ᓇᓇᓯᓪᓐ ᓇᓇᓯᓪᓐ | Sam Angohiatok  | Burnside & Omingmaktok Hunters' & Trappers' Organizations | 2019-03-21  |
| ᓇᓇᓯᓪᓐ       | Matt Stadnyk  | Hamlet of Kugluktuk                                       | 2019-01-24  |

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|-----------|--|-------------------------|------------|
| ᑭᑭᑭᑭᑭᑭ    | Don Leblanc  | Hamlet of Kugluktuk     | 2019-03-19 |
| ᑭᑭᑭᑭᑭᑭ    | Public   | Public meeting, morning | 2019-03-20 |
| ᑭᑭᑭᑭᑭᑭ    | Public   | Public meeting-evening  | 2019-03-20 |
| ᑭᑭᑭᑭᑭᑭ    | Baba Pedersen  | CIRNAC                  | 2019-01-25 |
| ᑭᑭᑭᑭᑭᑭ    | Lisa-Marie LeClerc, Kevin Methuen                                | GN-DOE                  | 2019-01-24 |
| ᑭᑭᑭᑭᑭᑭ    | Lisa-Marie LeClerc, Kevin Methuen                                | GN-DOE                  | 2019-03-13 |
| ᐃᑭᑭᐃᑭ     | Erika Zell, Paul Budkewich, David Kunuk                          | GN-Minerals, DOE        | 2019-01-30 |
| ᐃᑭᑭᐃᑭ     | Erika Zell, Paul Bedkewich, Natalie O'Grady                      | GN-DOE, Minerals        | 2019-04-05 |
| ᐃᑭᑭᐃᑭ     | Tineka Simmons, Adrian Paradis                                   | CanNor                  | 2019-01-15 |
| ᐃᑭᑭᐃᑭ     | Tineka Simmons, Adrian Paradis                                   | CanNor                  | 2019-01-31 |
| ᐃᑭᑭᐃᑭ     | Tineka Simmons, Adrian Paradis                                   | CanNor                  | 2019-03-04 |
| ᐃᑭᑭᐃᑭ     | Godwin Okonkwo, Felexce Ngwa                                     | CIRNAC-Waters, EA       | 2019-02-19 |
| ᐃᑭᑭᐃᑭ     | Godwin Okonkwo, Felexce Ngwa                                     | CIRNAC-Waters, EA       | 2019-04-04 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Public   | Public Meeting          | 2019-03-21 |
| ᐃᑭᑭᐃᑭ     | Public   | Public Meeting          | 2019-03-22 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Ryan Barry, Teresa Meadows                                       | NIRB                    | 2019-01-30 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Natasha Lear, Jaida Ohokannoak                                   | NIRB                    | 2019-03-22 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Tara Arko  | NIRB                    | 2019-02-12 |
| ᑭᑭᑭᑭᑭᑭᑭᑭ  | Dave Baines, Derek Donald, Teresa Meadows                        | NWB                     | 2019-01-29 |
| ᑭᑭᑭᑭᑭᑭᑭᑭ  | Karen Kharatyan, Assol Kubeisinova, Derek Donald, Teresa Meadows | NWB                     | 2019-04-04 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Jonathon Savoy   | NPC                     | 2019-02-12 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Carson Gillis, Jorgan Aitoak                                     | NTI-Lands               | 2019-01-30 |
| ᐃᑭᑭᑭᑭᑭᑭᑭᑭ | Carson Gillis  | NTI_Lands               | 2018-10-01 |
| ᐃᑭᑭᐃᑭ     | Matt Senkow, Karen Dunphy  | CIRNAC                  | 2018-10-01 |
| ᑭᑭᑭᑭᑭᑭᑭᑭ  | Baba Pedersen  | CIRNAC                  | 2018-10-09 |
| ᐃᑭᑭᐃᑭ     | Justin Hack  | CIRNAC                  | 2018-10-10 |

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| Δ <sup>ᑭ</sup> ᑭᑭΔ <sup>ᑭ</sup>                 | Jeremy Fraser                | CIRNAC    | 2018-01-16 |
| Δ <sup>ᑭ</sup> ᑭᑭᑭ <sup>ᑭ</sup> ᑭᑭ <sup>ᑭ</sup> | Carson Gillis                | NTI-Lands | 2018-10-22 |
| Δ <sup>ᑭ</sup> ᑭᑭᑭ <sup>ᑭ</sup> ᑭᑭ <sup>ᑭ</sup> | Carson Gillis, Jorgan Aitoak | NTI_Lands | 2019-11-19 |



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## Kitikmeot

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|---|---|------------------------------|-------------------------|------------|
| ᐱᑦᓂᕈᕋᐅᕐᓴᕐ<br>ᐱᑦᓂᕈᕋᐅᕐᓴᕐ  | 2BE-<br>HRP1419Application<br>for renewal and<br>amendment will be<br>submitted to the<br>NWB shortly.  | Active                       | 2014-11-03              | 2019-11-02 |
| ᐱᑦᓂᕈᕋᐅᕐᓴᕐ<br>ᐱᑦᓂᕈᕋᐅᕐᓴᕐ  | Application fora<br>Land Use Licence II<br>will be submitted<br>to the KIA shortly.   | Not Yet Applied              |                         |            |
| ᐱᑦᓂᕈᕋᐅᕐᓴᕐ,<br>ᐱᑦᓂᕈᕋᐅᕐᓴᕐ   | An application for<br>a scientific research<br>licence will be<br>applied for in<br>subsequent years<br>to support baseline<br>environmental data<br>collection | Not Yet Applied              |                         |            |
| Government of<br>Nunavut,<br>Department of<br>Culture, Language,<br>Elders, and Youth | An application for<br>a Class I<br>Archaeology and<br>Palaeontology<br>Research Permit<br>has been submitted  | Applied, Decision<br>Pending |                         |            |
| ᐱᑦᓂᕈᕋᐅᕐᓴᕐ<br>ᐱᑦᓂᕈᕋᐅᕐᓴᕐ  | An application for<br>a fish collection<br>permit may be<br>submitted in<br>subsequent years<br>to support baseline<br>data collection                          | Not Yet Applied              |                         |            |

### Project transportation types

| Transportation Type | How to Access Site  | Length of Use |
|---------------------|---|---------------|
| Air                 | The site is accessible by air only. Crews may access site by fixed or rotary wing, and use regional or local airstrips, such as the |               |

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|--|---|--|
|  | existing airstrip at Ulu, or a lake adjacent to the camp. |  |
|--|---|--|

**Project accomodation types**

Temporary Camp

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|---------------------------------|---------|--------------------|--|
| Drills                          | tbd     | tbd                | Exploration drilling                       |
| Helicopters                     | tbd     | tbd                | Access, drill support                      |
| Fixed wing aircraft             | tbd     | tbd                | Access, camp and drill support             |
| Generators                      | tbd     | tbd                | Power for camp and drills                  |
| Water Pump                      | tbd     | tbd                | Pump water for domestic and industrial use |
| Snowmobiles                     | tbd     | tbd                | Access                                     |
| Snow cat                        | tbd     | tbd                | Camp and drill support                     |
| Watercraft                      | tbd     | tbd                | Access                                     |
| Compressors                     | tbd     | tbd                | Camp and drill support                     |
| ATV                             | tbd     | tbd                | Access                                     |
| Skidsteer                       | tbd     | tbd                | Camp support                               |
| Incinerator                     | tbd     | tbd                | Waste management                           |

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| ᐱᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ | ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ | ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ | ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ | ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ | ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ | ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ<br>ᐸᑦᓴᓂᐅᐃᑦ ᐸᑦᓴᓂᐅᐃᑦ |
|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Aviation fuel                      | fuel                               | 150                                | 220                                | 33000                              | Liters                             | Aircraft fuel                      |
| Diesel                             | fuel                               | 220                                | 220                                | 48400                              | Liters                             | Camp and equipment fuel            |
| Gasoline                           | fuel                               | 15                                 | 220                                | 3300                               | Liters                             | Equipment fuel                     |
| Propane                            | fuel                               | 20                                 | 100                                | 2000                               | Lbs                                | Camp fuel                          |
| Lubricants,<br>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                                | Drilling additives                 |
| Acetylene                          | hazardous                          | 2                                  | 100                                | 200                                | Lbs                                | Welding for equipment repair       |
| Oxygen                             | hazardous                          | 3                                  | 100                                | 300                                | Lbs                                | First aid, welding for             |



$\triangleleft^b C d^c$ 
$$\Delta^b C d_c \sim \sigma \Delta^q \sigma^q$$

| Aᑦ ᓇᐃᕈᔭᐅᒻᒪᖅ<br>Aᑦ ᓇᐃᕈᔭᐅᓂᐱᖅ | ᖁᓄᐃᑐᖅ<br>ᐱᑦᐆᐉᖅ         | ᖁᓄᓂᓯ ᐱᑦᐆᐉᖅ<br>ሳᖅᓶᐊᓂᐱᖅᐅᕋᑦ | ᖁᓄᖅ<br>ᐱᑦᐆᐉᖅᐅᓂᐱᖅ<   | ሳፌᒫᓴᐅᓂᐱᖅᓴᖅᓂᐅᓂᐱᖅᐅᓂᐱᖅ                                |
|----------------------------|------------------------|--------------------------|---|--|
| Camp                       | ᐱᑦᐆᐉᖅ<br>ᐃᐊᐱᑦᐅᒻᒪᖅᓂᐱᖅ   | Various                  | Incinerate or open burn clean materials.  | -  |
| Drilling                   | ᐱᑦᐆᐉᖅ<br>ᐃᐊᐱᑦᐅᒻᒪᖅᓂᐱᖅ   | Various                  | Incinerate or open burn clean materials.  | -  |
| Camp                       | ᐃᒪᐃᑦ<br>ᐱᖅᐆᐉᖅᓴᖅᓂᐱᖅ     | 30 m <sup>3</sup> /day   | Discharge to a sump   | Grease trap  |
| Camp                       | ᐱᑦᐆᐉᖅᓂᐱᖅ               | Various                  | Backhaul to certified waste receiver  | -  |
| Fuel and chemical storage  | ᐱᑦᐆᐉᖅᓂᐱᖅ               | 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 |
| Drilling                   | ᐱᑦᐆᐉᖅᓂᐱᖅ               | Various                  | Backhaul to certified waste receiver  | -  |
| Camp                       | ᐱᑦᐆᐉᖅ<br>ᐃᐊᐱᑦᐅᒻᒪᖅᓂᐱᖅᓲᑦ | Various                  | Wastes are segregated and backhailed for reuse, recycling or disposal at an approved facility                   | -  |
| Camp                       | ᖅᐊᖅᐆᑦ ᓵᓂᖅ              | 30 m <sup>3</sup> /day   | Incinerate or backhaul  | -  |

$\Delta^{\circ} \text{G}_{\text{f}}^{\circ}(\text{C}_6\text{H}_6) = -123.4 \text{ kJ mol}^{-1}$ ,  $\Delta^{\circ} \text{G}_{\text{f}}^{\circ}(\text{C}_6\text{H}_6\text{L}) = -90.8 \text{ kJ mol}^{-1}$

See attached.

# **Additional Information**

## **SECTION A1: Project Info**

## **SECTION A2: Allweather Road**

## **SECTION A3: Winter Road**

## **SECTION B1: Project Info**

Gold exploration

## **SECTION B2: Exploration Activity**

•Constructing and operating a seasonal temporary camp able to support up to 60 people; •Staking and prospecting;•Drilling both on land and on ice using diamond and/or rotary air-blast/reverse circulation drilling;•Mobilization, drill support and access via helicopter and fixed wing aircraft;•Diesel and jet fuel to be cached at several locations proximal to drill targets and at the camp, and propane to be cached at the camp site;•Staging to occur via the local existing Ulu airstrip, a regionally accessible airstrip and/or sea lift;•Local overland winter access for camp and drill support;•Temporary use of regionally available accommodations and support services;•Archaeological overview and site assessments, where required;•Baseline environmental studies.

## **SECTION B3: Geosciences**

Geophysical and other airborne surveys may be undertaken in the future if needed.

## **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 area in the vicinity of the Ulu claim and the existing Hood River claim. 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**

n/a

## **SECTION B6: Underground Activity**

n/a

## **SECTION B7: Waste Rock**

n/a

## SECTION B8: Stockpiles

n/a

## 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 11: Municipal Development

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The Project is located within the Southern Arctic Ecozone and the Takijug Lake Upland Ecoregion.

**ᐱᓪᑲ ᐸᑦᐅᐅᑦ ᖃᓄᐃᑦᑐᑦᑕᓚᐅᓂᖅ:** ᐅᐭᔨᖃᑕᖃᑦᓂᖅ

ᐱᓪᓇ ᐱᑦᑎᐅᑦ ᑦᑲᓄᐱᑦ)ᑦᑕᑎᐅᓂᑦ: ᐱᓄᑦᑎᓂᑦᑭᑦᐱᑦᐅᑦ-ᐱᑦᑕᐱᑦᑕᑎᓂᑦᑭᑦᐱᑦᐅᑦ

### Miscellaneous Project Information

[illegible]

## Cumulative Effects

None.



## Impacts

$\mathbf{e} \rightarrow \mathbf{e} \Delta^{\mathfrak{b}} \mathbf{C} \triangleright \sigma^{\mathfrak{a}} \mathbf{r}^{\mathbf{c}} \quad \mathbf{d} \mathfrak{c} \mathbf{n} \mathbf{f} \triangleright \mathbf{C} \dot{\sigma}^{\mathbf{c}} \mathbf{d}^{\mathbf{c}} \quad \mathbf{d}^{\mathbf{b}} \mathbf{d}^{\mathfrak{b}} \mathbf{C} \triangleright \mathbf{r}^{\mathbf{L}} \mathbf{r}^{\mathbf{c}}$

|                              | 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  |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |  |  |
| ᐱᓂᓂᑦ                         |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |  |  |
| Camp                         |   | - | N | N | - | N | - | - | - | N | - | N | N |  | M | N | N | N | - |  | P | - | - | - | - |  |  |  |
| Fuel and chemical storage    |   | - | N | - | - | - | - | - | - | N | - | - | - |  | N | N | N | - | - |  | N | - | - | - | - |  |  |  |
| Waste disposal               |   | - | - | - | - | N | - | - | - | N | - | N | - |  | - | N | - | - | - |  | P | - | - | - | - |  |  |  |
| ᐃᓄᓕᓂᓂᑦ                       |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |  |  |
| Airstrip use or construction |   | - | N | - | - | - | - | - | - | - | - | - | - |  | - | N | - | - | - |  | P | - | - | - | - |  |  |  |
| Baseline data                |   | - | P | P | - | P | P | P | P | P | - | P | P |  | P | P | P | P | - |  | P | - | - | - | - |  |  |  |
| Camp                         |   | - | - | - | - | N | - | - | - | N | - | N | N |  | - | N | N | N | - |  | P | - | - | - | - |  |  |  |
| Drilling                     |   | - | N | N | - | N | - | - | - | N | - | N | N |  | N | N | N | N | - |  | N | - | - | - | - |  |  |  |
| Fuel and chemical storage    |   | - | - | - | - | N | - | - | - | N | - | - | - |  | - | - | - | - | - |  | P | - | - | - | - |  |  |  |
| Waste disposal               |   | - | - | - | - | N | - | - | - | N | - | N | - |  | - | N | - | - | - |  | P | - | - | - | - |  |  |  |
| Mineral Exploration          |   | - | N | N | - | N | - | - | P | N | - | N | N |  | N | N | N | N | - |  | P | - | - | - | - |  |  |  |
| ᐃᓄᓂᓂᓂᑦ                       |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |   |  |  |  |
| -                            |   | - | - | - | - | - | - | - | - | - | - | - | - |  | - | - | - | - | - |  | - | - | - | - | - |  |  |  |

$$(P = \langle \text{b d} \bar{\text{a}} \bar{\text{p}} \bar{\text{n}} \bar{\text{r}}^{\text{a}} \bar{\text{e}}^{\text{b}} \rangle^{\text{c}}, N = \langle \text{b d}^{\text{b}} \bar{\text{r}}^{\text{b}} \bar{\text{c}} \bar{\text{d}} \bar{\text{r}}^{\text{a}} \bar{\text{e}}^{\text{b}} \rangle^{\text{c}} \langle \bar{\text{c}} \bar{\text{d}} \bar{\text{r}}^{\text{b}} \bar{\text{r}}^{\text{b}} \rangle^{\text{b}} \langle \bar{\text{d}} \bar{\text{r}}^{\text{a}} \bar{\text{e}}^{\text{b}} \bar{\text{r}}^{\text{c}} \rangle^{\text{c}}, M = \langle \text{b d}^{\text{b}} \bar{\text{r}}^{\text{b}} \bar{\text{c}} \bar{\text{d}} \bar{\text{r}}^{\text{a}} \bar{\text{e}}^{\text{b}} \rangle^{\text{c}} \langle \bar{\text{c}} \bar{\text{d}} \bar{\text{r}}^{\text{b}} \bar{\text{r}}^{\text{b}} \rangle^{\text{b}} \langle \bar{\text{d}} \bar{\text{r}}^{\text{a}} \bar{\text{e}}^{\text{b}} \rangle^{\text{c}}, U = \langle \text{b d} \bar{\text{r}}^{\text{a}} \bar{\text{e}}^{\text{b}} \bar{\text{r}}^{\text{c}} \rangle^{\text{b}})$$

|           |  |
|-----------|--|
| 1 polygon | Approximate exploration area. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study Area. |
| 2 polygon | Study Area, Hood River Watershed. Environmental baseline studies may occur throughout the watershed.   |

1 polygon

Approximate exploration area. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting results. Any changes will remain within the Study Area.

2 polygon

Study Area, Hood River Watershed. Environmental baseline studies may occur throughout the watershed.

