



New

Mineral Exploration

4/8/2019 1:54:59 PM

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Peter Kuhn
 Blue Star Gold Corp.
 1125-595 Howe St.
 Vancouver BC V6C 2T5
 Canada
 778-379-1433, 778-379-1433

[illegible]

Inuinnaqtun: Hivuraqhiit-mi Kuulmik UyaraktaqvikPijugauyuqPijutauyuq Hivuraqhiit-mi Kuulmik Uyaraktaqvik (Havaaq) qiniqhiayaagani kuulmik ilituqhaqlugulu hanianiituut nunat. Una havaaq havaariyauhimayuq uvani nunami ukiuni atuqhimayuni: NIRB-kut hivuani ihivriuqhihimaliqtut havaariyauyunik KIA-kulu NWB-kulu tunihihimaliqtut laisiuyunik.Timiuyuq upalugaiyaqtuq havaariyaagani havaaq, Blue Star Gold Corp.-guyuq, immaqmik aturiamikni laisiqaliqtut (2BE-HRP1419), kihiani havakpalaqhimagitut nunagiyaayumi malruukni ukiukni. Immaqmik aturiagani laisiuyuq nutaaguqtiriaqaqtuq ilaginiklu aalaguqtiqniginik piqariagani nutaamik igluuqpaqaqvikhamik; igluuqpaqaruiqtuq nunami taja nutaamik hanayariaqaqtut. Ilaganilu, nutaq nunamik aturiagani laisiuyuq KIA-kunit ihariagiyauyuq tamaita hulijutikhat havaariyaayaagani Inuit Nanminik Nunagiyani.Blue Star-kut qaganuaq aalaguqhimayaat atiqtik: timiuyuq hivuani qauyimayauyuugaluaq WPC Resources-kunik Timiuyumik.Nutaq atia, Blue Star Gold Corp.-kunik pihimayuq uvluriamit Nunavumi takuyaani, timiuyuvlu ihumagiyainik havaariyamiknik Nunavumi. Blue Star-kut nanminiaqtulu timiuyumik taiyaayumik Inukshuk Exploration Timiuyumik, havakhimayumik nunami ukiuni atuqhimayuni.InigiyauyuqHavaaq 210-kilaamitamik ughahikniqaqtuq hivuraata kivaliqhiani Kugluktup, hanianiituq Ulu-mi nunagiyaayuup, hanianilu havakviuyuk Hivuraqhiit-mi Frayed Knots-milu Kuukami. Tamaat havaaq iniaqtuq Inuit Nanmini Nunagiyaini. Qanuriniga PivikhaqaqnigaluQiniqhiayaagani kuulmik ilituqhaqlugulu hanianiitut nunat, ukua atulaaqtut havaariyauniganik havaaq: •Hanalutik atulaklugulu tupiqpaqaqvikhaq upingaami, auyami, ukiakhamilu; •Qiniqhialutik ikuutaqlutiklu nanihiyaagani amigaitqiyani kuulmik; •Atuqlutik tikmianik havakvikmugauyaami, hanikaapkailu, sikiitulu haguyaami igluqpaqaqvikmi; •Tuutquqhilutik uqhuqyuanik igluqpaqaqvikmi hanianilu ikuutat; •Tikmiakuuqtilugit inuit ihuaqutikhalu qanilruumit nunagiyaayunit igluuqpaqaqvikmut, mitpaklutik atuqtumi milvikmi haniani Ulu-p; •Atuqlutik hiniktaqviknik manikhaqhiurutiniklu haniani nunagiyaayuni aulaliraagamik igluuqpaqaqvikmut; •Atuqlutik nunami manikhaqhiurutaayut inuulu havagiami havaami; •Iltuqhaqlugit igilraaqnitat, nuna, immaq, hilauyuq, umayulu talvani nunauyui.Taimaiginaqnigani atulihaaqnigani ubluut qiniqhianikut havaami, nahuriyauyuq Havaaq aulaqtiriagani mikiyuuluni agiklivalialunilu nanihiguupta kuulmik. 2019-mi, upalugaiyaqtugut hanayaaptikni mikiyumik igluuqpaqaqvikhamik auyaq, qanitanilu 30 inuit igluuqpaqaqvikmi ikutariagani maluuknik atuqlutik atautikut hanikaaptakmiklu, nalvaaqhiuqlutiklu uyaraktaqvikhanik. Havatiaruupta, amigaitqiyani inuqalaaqtuq ikuutaqtuniklu agitqiyamiklu igluuqpaqaqvikmik hivunikhami, havalaaqtugulu

ukiumi. Ahiagurutikhat Blue Star-kut qiniqhimayut atuqtakhanik havaariyaagani taja upalugaiqtauyut. Igluuppaqagitkaluaqluni Kugluktumi ilaaqtugut Iqaluktuutiamiluniit. Talvaniiniaraluaqtiluta ilaani, talvaniitaami unutuaraagat amihunik aulaarutaulaaqtuq talvuga havakvikmilu ublutuaraagat. Igluuppaqagtuugaluaq Ulu-mi, kihiani, atulimaginaptigu taja inugiakniaqmat inuknik kiklimaktiriyunik Ulu-mi. Blue Star-kut qanuriliugilutik pilaaqtut nunagiyauyumi, kihiani, ukpiruhuktugut kuulqaqniganik nunami qinirumayavulu. Havaqatigiyumayavulu inuit maniqami nunagiyauyunilu, pipkailuta havaakhanik, ayuiqhajutikhanik, atuqtakhaniklu. Ilauyut Upigiaqnigit Ublumimut, Blue Star-kut uqaqhimaliqtut ukunuga: Kugluktumi, Qigaup Umikmaktuuvlu Angunahuaqtiit Naniriaqtutulu Timiuyut; inuit nunaqaqtut Kugluqtumi, Iqaluktuutiamilu, NTI-kut, KIA-kut, NPC-kut, NIRB-kut, NWB-kut, GN-kut, CIARNAC-kut, CanNor-kut, aalalu inuit havaktut Qitiqmuni, nunagiyauyumilu nanminik manikhaqhiurutiaqtut. Inuit katimayaagani upingaami upalugaiqtut. Avatauyumik Aktuqnigit Hunaliqaa hulijut maniqamik ihiruqhilaqtuq ihuilijutauluniluniit. Una atugitaagani, Blue Star-kut upalugaiyaqtut havagiami hivuani, havaqatigilugit inuit qauyimayut nunamik, havakpaktumiklu ihuaqtumik ukua havaavut maniraqlu aaniqviugitaagani halumayaaganilu havaktiluta, nakhariaganilu tamaita piquitivut ihuaqutilu inirupta havaaptiknik.

Personnel

Personnel on site: 60

Days on site: 750

Total Person days: 45000

Operations Phase: from 2019-06-25 to 2019-07-04

Operations Phase: from 2019-06-25 to 2024-06-24

Post-Closure Phase: from to

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| Area | Approximate Exploration Area | Ownership | Exploration Activities | Exploration Status | 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. | 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. Environmental baseline studies may occur throughout the watershed. | Baseline data | Inuit Owned Surface Lands | 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. |
| Approximate exploration area. | Camp | Inuit Owned Surface | Exploration camps have been established in the vicinity in the past. | Unknown. Studies will be undertaken. | Kugluktuk is approximately 200 km |

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|--|---------------------------|---------------------------|--|--------------------------------------|--|
| 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. | | Lands | There is currently a camp on the adjacent Ulu property. However, this camp is currently unavailable for use. | | 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. | 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. |
| Approximate exploration area. Exploration activities, including a temporary camp (location to | 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. |

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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. | | | | | |
| 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 be confirmed), will occur in this area. The boundaries of this area may change in the future, based on prospecting | 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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|--|------------------------------|---------------------------|---|-------|--|
| results. Any changes will remain within the Study Area. | | | | | |
| 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 or skis. No new airstrip construction is planned. | None. | Kugluktuk is approximately 200 km northwest. |

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|--------|---|---|---------------|
| ᓄᓇᓕᓯᓪᓐ | Geoff Clark | KIA-Lands | 2019-01-08 |
| ᓄᓇᓕᓯᓪᓐ | Geoff Clark | KIA-Lands | 2019-01-24 |
| ᓄᓇᓕᓯᓪᓐ | Geoff Clark | KIA_Lands | 2018-10-26 |
| ᓄᓇᓕᓯᓪᓐ | Geoff Clark | KIA-Lands | 2018-11-05 |
| ᓄᓇᓕᓯᓪᓐ | Geoff Clark, Tannis Bolt | KIA-Lands | 2019-03-19 |
| ᓄᓇᓕᓯᓪᓐ | Geoff Clark | KIA-Lands | 2019-04-02 |
| ᓄᓇᓕᓯᓪᓐ | Stanley Anablak, Paul Emingak, Fred Pedersen, Michelle Gillis, John Roesch, Geoff Clark | KIA | 2019-03-02 |
| ᓄᓇᓕᓯᓪᓐ | Amanda Dumond | Kugluktuk Angoniatit Association | 2019-01-10 |
| ᓄᓇᓕᓯᓪᓐ | Amanda Dumond | Kugluktuk Angoniatit Association | 2019-01-23 |
| ᓄᓇᓕᓯᓪᓐ | Amanda Dumond | Kugluktuk Angoniatit Association | 2019-03-20 |
| ᓄᓇᓕᓯᓪᓐ | Sam Angohiatok | Burnside & Omingmaktok Hunters' & Trappers' Organizations | 2019-02-04 |
| ᓄᓇᓕᓯᓪᓐ | Sam Angohiatok | Burnside & Omingmaktok Hunters' & Trappers' Organizations | 2019-02-11 |
| ᓄᓇᓕᓯᓪᓐ | Sam Angohiatok | Burnside & Omingmaktok Hunters' & Trappers' Organizations | 2019-03-21 |

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

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| Δ ⁵ b ₃ Δ ^c | Justin Hack | CIRNAC | 2018-10-10 |
| Δ ⁵ b ₃ Δ ^c | Jeremy Fraser | CIRNAC | 2018-01-16 |
| Δ ⁵ b ₃ Δ ^c Δ ⁵ b ₃ | Carson Gillis | NTI-Lands | 2018-10-22 |
| Δ ⁵ b ₃ Δ ^c Δ ⁵ b ₃ | Carson Gillis, Jorgan Aitoak | NTI_Lands | 2019-11-19 |

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$a^b r^c \Delta_{\sigma} \Delta_{\tau} \Delta_{\rho} \Delta_{\delta} \Delta_{\gamma} \Delta_{\alpha}$

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

Temporary Camp

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Λ⁹d^c d^ab^rz⁹b Δ⁹bCΔσD⁹z⁹ Δ⁹c⁹rDΠ⁹z⁹r^c ΔjCΔ^c, Γ^c⁹zQ⁹P⁹N^c, ⁹b^abLC^j⁹b, με⁹rD^c d⁹r^ab^rc⁹

| ᐃᓕᓴᓴ ᐱᓴᑦ ᐃᓴᓴᓴᓴᓴᓴᓴ ᓴᓴᓴᓴᓴᓴᓴ | ᓴᓴᓴᓴᓴᓴᓴ | ᐃᓴᓴᓴᓴᓴᓴ - ᓴᓴᓴᓴᓴᓴᓴᓴ | ᓴᓴᓴᓴ ᐃᓴᓴᓴᓴᓴᓴᓴᓴ |
|---------------------------------|---------|--------------------|--|
| 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 |

[illegible]

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|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 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, 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 |

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

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

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

[illegible]

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

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Miscellaneous Project Information

[illegible]

Cumulative Effects

None.

Impacts

$\omega \rightarrow \omega \Delta^{\epsilon_b} C D \sigma^{\epsilon_b} r^C$ $\Delta \epsilon \cap \Gamma D C \dot{\sigma}^C \rangle^C$ $\Delta^b \rangle^{\epsilon_b} C D r L \dot{r}^C$

| | PHYSICAL | | | | | | | | | | | | | | | | BIOLOGICAL | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|--|---|---|---|---|--|---|---|------------|---|---|--|---|---|---|---|---|--|
| | Designated environmental areas | | | | | | | | Wildlife, including habitat and migration patterns | | | | | | | | | | | | | | | | | |
| | Ground stability | | | | Permafrost | | | | Wildlife, including habitat and migration patterns | | | | Birds, including habitat and migration patterns | | | | | | | | | | | | | |
| | Hydrology / Limnology | | | | Aquatic species, incl. habitat and migration/spawning | | | | Wildlife protected areas | | | | Socio-economic | | | | | | | | | | | | | |
| | Water quality | | | | Climate conditions | | | | Archaeological and cultural historic sites | | | | Employment | | | | | | | | | | | | | |
| | Climate conditions | | | | Eskers and other unique or fragile landscapes | | | | Community wellness | | | | Community infrastructure | | | | | | | | | | | | | |
| | Surface and bedrock geology | | | | Human health | | | | | | | | | | | | | | | | | | | | | |
| | Sediment and soil quality | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Tidal processes and bathymetry | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Air quality | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Noise levels | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Physical | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | |
| Biological | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | - | - | - | - | |
| Socio-economic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | | - | - | - | - | - | |

$$(P = \langle b \rangle \Delta \langle P \cap \langle a \rangle \rangle^c, N = \langle b \rangle \langle P' \rangle \langle C \rangle \langle a \rangle^c \langle \langle C \rangle \langle P' \rangle \rangle^c \langle C \rangle \langle a \rangle \langle P' \rangle^c, M = \langle b \rangle \langle P' \rangle \langle C \rangle \langle a \rangle^c \langle \langle C \rangle \langle P' \rangle \rangle^c \langle \langle C \rangle \langle P' \rangle \rangle^c \langle C \rangle \langle a \rangle \langle P' \rangle^c, U = \langle b \rangle \langle P \rangle \langle L \rangle \langle a \rangle \langle P' \rangle^c)$$

| | |
|-----------|--|
| 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. |

