

Demande de la CNER faisant l'objet d'un examen préalable #125461
Blue Star Gold Corp.

DÉTAILS

Description non technique de la proposition de projet

Anglais: Please see attached. 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.

Français: n/a

Inuktitut: 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

Activités

Emplacement	Type d'activité	Statut des terres	Historique du site	Site à valeur archéologique ou paléontologique	Proximité des collectivités les plus proches et de toute zone protégée
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. 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. Exploration activities, including a temporary camp (location to be confirmed), will occur in this area. The boundaries of	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	Unknown. Studies will be undertaken.	Kugluktuk is approximately 200 km northwest.

this area may change in the future, based on prospecting results. Any changes will remain within the Study Area.			camp is currently unavailable for use.		
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 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 be confirmed), will occur in this area. The boundaries of this area may change in the	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.

future, based on prospecting results. Any changes will remain within the Study Area.					
--	--	--	--	--	--

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Kugluktuk	Geoff Clark	KIA-Lands	2019-01-08
Kugluktuk	Geoff Clark	KIA-Lands	2019-01-24
Kugluktuk	Geoff Clark	KIA_Lands	2018-10-26
Kugluktuk	Geoff Clark	KIA-Lands	2018-11-05
Kugluktuk	Geoff Clark, Tannis Bolt	KIA-Lands	2019-03-19
Kugluktuk	Geoff Clark	KIA-Lands	2019-04-02
Cambridge Bay	Stanley Anablak, Paul Emingak, Fred Pedersen, Michelle Gillis, John Roesch, Geoff Clark	KIA	2019-03-02
Kugluktuk	Amanda Dumond	Kugluktuk Angoniatit Association	2019-01-10
Kugluktuk	Amanda Dumond	Kugluktuk Angoniatit Association	2019-01-23
Kugluktuk	Amanda Dumond	Kugluktuk Angoniatit Association	2019-03-20
Cambridge Bay	Sam Angohiatok	Burnside & Omingmaktok Hunters' & Trappers' Organizations	2019-02-04
Cambridge Bay	Sam Angohiatok	Burnside & Omingmaktok Hunters' & Trappers' Organizations	2019-02-11
Cambridge Bay	Sam Angohiatok	Burnside & Omingmaktok Hunters' & Trappers' Organizations	2019-03-21
Kugluktuk	Matt Stadnyk	Hamlet of Kugluktuk	2019-01-24
Kugluktuk	Don Leblanc	Hamlet of Kugluktuk	2019-03-19
Kugluktuk	Public	Public meeting, morning	2019-03-20
Kugluktuk	Public	Public meeting-evening	2019-03-20
Kugluktuk	Baba Pedersen	CIRNAC	2019-01-25
Kugluktuk	Lisa-Marie LeClerc, Kevin Methuen	GN-DOE	2019-01-24
Kugluktuk	Lisa-Marie LeClerc, Kevin Methuen	GN-DOE	2019-03-13
Iqaluit	Erika Zell, Paul Budkewich, David Kunuk	GN-Minerals, DOE	2019-01-30
Iqaluit	Erika Zell, Paul Bedkewich, Natalie O'Grady	GN-DOE, Minerals	2019-04-05
Iqaluit	Tineka Simmons, Adrian Paradis	CanNor	2019-01-15
Iqaluit	Tineka Simmons, Adrian Paradis	CanNor	2019-01-31
Iqaluit	Tineka Simmons, Adrian Paradis	CanNor	2019-03-04

Iqaluit	Godwin Okonkwo, Felexce Ngwa	CIRNAC-Waters, EA	2019-02-19
Iqaluit	Godwin Okonkwo, Felexce Ngwa	CIRNAC-Waters, EA	2019-04-04
Cambridge Bay	Public	Public Meeting	2019-03-21
Iqaluit	Public	Public Meeting	2019-03-22
Cambridge Bay	Ryan Barry, Teresa Meadows	NIRB	2019-01-30
Cambridge Bay	Natasha Lear, Jaida Ohokannoak	NIRB	2019-03-22
Cambridge Bay	Tara Arko	NIRB	2019-02-12
Gjoa Haven	Dave Baines, Derek Donald, Teresa Meadows	NWB	2019-01-29
Gjoa Haven	Karen Kharatyan, Assol Kubeisinova, Derek Donald, Teresa Meadows	NWB	2019-04-04
Cambridge Bay	Jonathon Savoy	NPC	2019-02-12
Cambridge Bay	Carson Gillis, Jorgan Aitoak	NTI-Lands	2019-01-30
Cambridge Bay	Carson Gillis	NTI_Lands	2018-10-01
Iqaluit	Matt Senkow, Karen Dunphy	CIRNAC	2018-10-01
Kugluktuk	Baba Pedersen	CIRNAC	2018-10-09
Iqaluit	Justin Hack	CIRNAC	2018-10-10
Iqaluit	Jeremy Fraser	CIRNAC	2018-01-16
Cambridge Bay	Carson Gillis	NTI-Lands	2018-10-22
Cambridge Bay	Carson Gillis, Jorgan Aitoak	NTI_Lands	2019-11-19

Autorisations

Indiquez les zones dans lesquelles le projet est situé:

Kitikmeot

Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Office des eaux du Nunavut	2BE-HRP1419Application for renewal and amendment will be submitted to the NWB shortly.	Active	2014-11-03	2019-11-02
Kitikmeot Inuit Association	Application for a Land Use Licence II will be submitted to the KIA shortly.	Not Yet Applied		
Gouvernement du Nunavut, Institut de recherche du Nunavut	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		
Pêches et Océans Canada	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	Utilisation proposée	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 existing airstrip at Ulu, or a lake adjacent to the camp.	

Project accommodation types

Temporary Camp

Collectivité

Utilisation de matériel

Équipement à utiliser (y compris les perceuses, les pompes, les aéronefs, les véhicules, etc.)

Type d'équipement	Quantité	Taille – Dimensions	Utilisation proposée
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

Décrivez l'utilisation du carburant et des marchandises dangereuses

Décrivez l'utilisation de carburant :	Type de carburant	Nombre de conteneurs	Capacité du conteneur	Quantité totale	Unités	Utilisation proposée
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 equipment repair

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
150	Pump with screened intake	Lakes adjacent to camp and drill targets

Déchets

Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Camp	Déchets combustibles	Various	Incinerate or open burn clean materials.	-
Drilling	Déchets combustibles	Various	Incinerate or open burn clean materials.	-
Camp	Eaux grises	30 m3/day	Discharge to a sump	Grease trap
Camp	Dangereux	Various	Backhaul to certified waste receiver	-
Fuel and chemical storage	Dangereux	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	Dangereux	Various	Backhaul to certified waste receiver	-
Camp	Déchets non combustibles	Various	Wastes are segregated and backhauled for reuse, recycling or disposal at an approved facility	-
Camp	Eaux usées (matières de vidange)	30 m3/day	Incinerate or backhaul	-

Répercussions environnementales :

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 I1: Municipal Development

Description de l'environnement existant : Environnement physique

The Project is located within the Southern Arctic Ecozone and the Takijuk Lake Upland Ecoregion. Much of this region is composed of unvegetated rock outcrops, in the Hood River watershed. Cryosols are the dominant soils in the lowlands and permafrost is deep and continuous. None of the following protected sites were found within the Project area or immediately adjacent: •Important Bird Areas (IBA) (IBA Canada 2019); •Key Habitat Sites for migratory birds (Latour et al. 2008); •Wetlands of International Importance (RAMSAR) (The Ramsar Sites 2019); •Migratory Bird or Wildlife Sanctuaries (Government of Canada 2019); or •Heritage Rivers (Canadian Heritage Rivers System 2019).

Description de l'environnement existant : Environnement biologique

The Project is located within the Southern Arctic Ecozone and the Takijuk 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, 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). According to the Species at Risk Public Registry, the following species at risk could be found within the Project area:•Barren-ground caribou;•Grizzly bear;•Wolverine;•Peregrine Falcon;•Short-eared Owl; and•Red-necked Phalarope.

Description de l'environnement existant : Environnement socio-économique

The Project is located approximately 210 km southeast of Kugluktuk in the Kitikmeot Region of Nunavut on Inuit-owned land and is immediately adjacent to the Ulu property. Past archaeology studies indicated 1 site within the vicinity of the project; additional studies are proposed for the upcoming season. Engagements with 3 different HTOs indicate that land and resources use in the area, other than exploration, is limited.

Miscellaneous Project Information

Refer to attached files.

Identification des répercussions et mesures d'atténuation proposées

Refer to attached Impact Assessment.

Répercussions cumulatives

None.

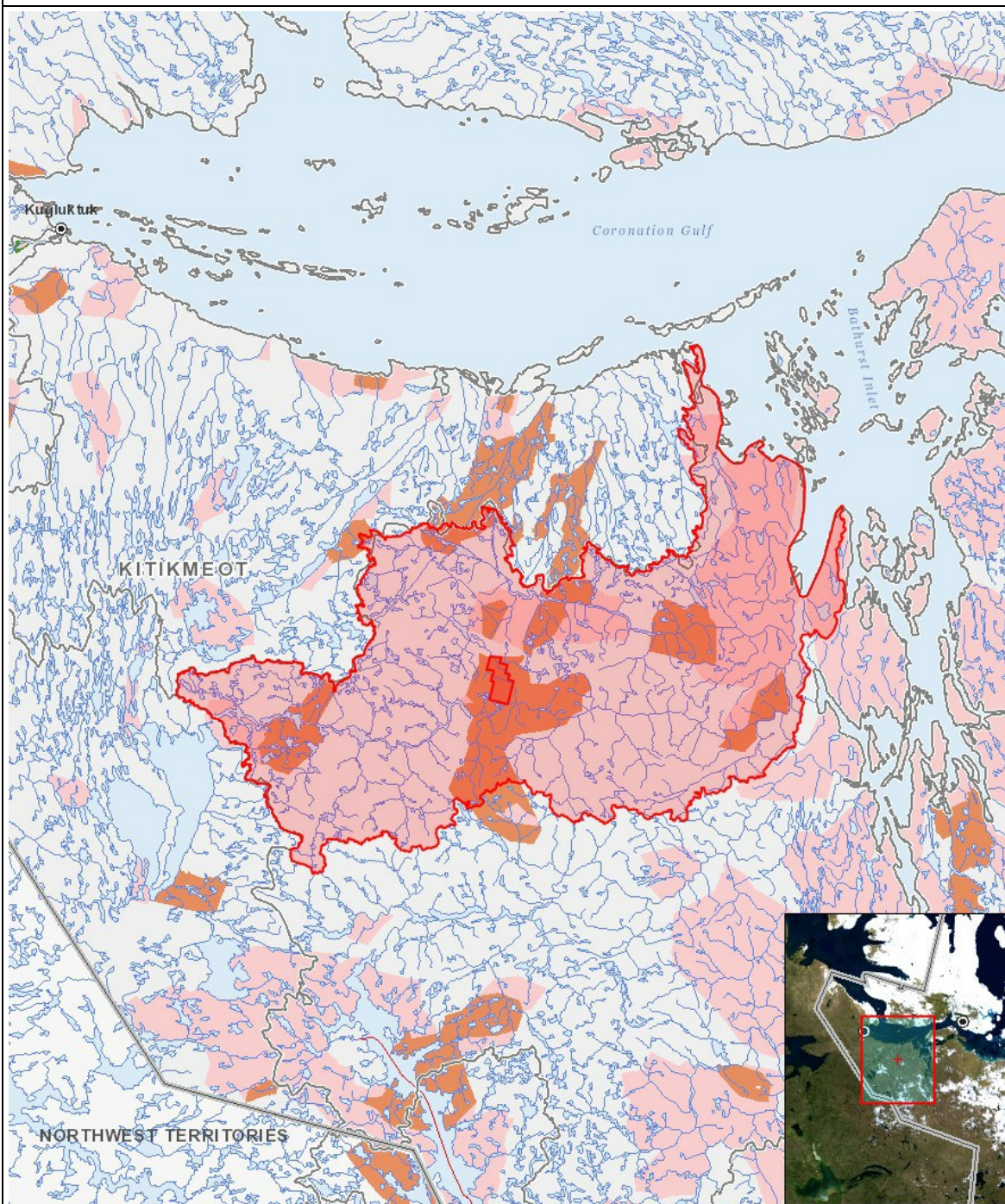
Impacts

Identification des répercussions environnementales

		PHYSICAL																		BIOLOGICAL										SOCIO-ECONOMIC																													
		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		Vegetation		Wildlife, including habitat and migration patterns		Birds, including habitat and migration patterns		Aquatic species, incl. habitat and migration/spawning		Wildlife protected areas		Archaeological and cultural historic sites		Employment		Community wellness		Community infrastructure		Human health	
Construction																																																											
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	-	-	-	-																																	
Exploitation																																																											
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	-	-	-	-																																		
Désaffectation																																																											
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-																																		

(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)

Site du projet



Liste des géométries de projet

- 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.