

## PRELIMINARY SCREENING REPORT

<p><b>PRELIMINARY SCREENER:</b> Sahtu Land and Water Board, Aswathy Mary Varghese, Bonnie Bergsma</p> <p><b>REFERENCE / FILE NUMBER:</b> S19C-003</p> <p><b>APPLICANT:</b> EVRIM Exploration Canada Corp.</p> <p><b>TITLE:</b> Mineral Exploration Astro Project</p> <p><b>MEETING DATE:</b> March 22, 2019</p>	<p><b>EIRB REFERENCE NUMBER:</b></p>
---	--------------------------------------

- |                             |     |   |
|-----------------------------|-----|---|
| <b>Type of Development:</b> | (C) | Mineral Exploration                               |
| <b>Type of Development:</b> | ✓   | New Development                                   |
| (CHECK ALL THAT APPLY)      | ○   | Amend, EIRB Ref. #                                |
|                             | ○   | Renew, EIRB Ref. #                                |
|                             | ✓   | Requires permit, licence or authorization         |
|                             | ○   | Does not require permit, licence or authorization |

**Project Summary:** Evrim Exploration Canada Corp (Evrin) has submitted a complete application for a type A land use permit (permit). The purpose of this Application is to conduct early stage mineral exploration activities (prospecting, soil and stream sediment sampling, airborne and ground-based geophysics, reverse circulation drilling and core (diamond) drilling) at the Astro Project located in the Backbone Range of the Mackenzie Mountains near the Yukon border in the Tulita District, NT. The Astro Project consists of 31 mineral claims over an area of 24,000 ha. Evrim is applying for a permit for mineral exploration for a period of three years from May 2019 until April 2022. Work will be conducted from mid to late May until early October each year. Evrim is planning to locate a 20-45 person camp on Federal Lands proximal to the Canol Trail Mile 222 airstrip. This location is 10 km south of the Astro Project. A fuel cache of up to 100 – 205L drums will be set up near the camp to support camp and project activities.

**Access:** Access to the project area will be by fixed-wing planes landing at Mile 222, NT and/or MacMillan Pass (Mac Pass), YK airstrips and by road via the North Canol road (Yukon). No new roads will be built as all travel within the project area is by helicopter.

**Camp:** A 20-30 person (max up to 45) camp will be based at Mile 222 located 10 Km south of Astro Project, on Federal land. Footprint of camp will be 1 ha, with 20 non-permanent structures. Water for the camp will be derived from a small creek located 100-200 m south of the camp. Daily water usage would be approx. 2-4 m<sup>3</sup>/day. Camp is planned to operate from mid-May until early October, each year.

**Drilling:** Drilling operation planned from mid-May to early October, each year. Drilling equipment to be used: 2 diamond drills and 1 RC drill. All drilling activities are helicopter supported.

Result dependent RC Drilling may be up to 40 holes in 3 years. RC drilling specifications: 100mm diameter holes with a depth of 50-200 metres; no water usage for drilling.

Result dependent Diamond Drilling may be up to 65 holes in 3 years. Drilling specifics: 40-65 mm diameter holes with 250-500 m depth. Water usage per core (or diamond) drill is approximately 30 to 40 cubic meters per day. Water from diamond drill rig is redirected to a sump.

**Equipment and Fuel:**

The list of main equipment: 2 diamond drills, 1 RC drill, 1 fixed wing plane (for transport of supplies to the camp at Mile 222), 1 Astar B2 (helicopter for transport of crew), 2 pick-up trucks, 1 flatbed truck (for transport of crew), 1 skid steer and 1 ATV (to support camp operations).

Other equipment include: 2 water pumps (5 hp), 3 generators (5kW), 2 chain saws (for brush clearing for geophysics), 2 hand wobblers or electric fuel pumps (fueling helicopter, drills, generators, heat stoves in tents and or water pumps).

Fuel will be delivered by road on a regular basis. Fuel and hazardous material storage will consist of 49 205 L containers of diesel, 2 205 L containers of gasoline, 49 205 L containers of aviation fuel and 12 100 lb containers of propane.

**Spill contingency:** A Spill Contingency Plan (SCP) was submitted with the Application. SCP v. 2.0 was submitted in response to Public Review comments. The SCP conforms to INAC - Spill Contingency Guidelines (2007).

All fuel transfer will be carried out using a small electric pump with automatic fuel shut-off nozzles or a hand operated 'wobble' pump designed for transferring fuel from 205 litre barrels. All fuel storage will be in drums so transferring fuel will be from drum to drum or drum to machinery. Fuel drums will be stored in an impermeable fuel berm. Spill kits will be located at all fuel caches and preventative measures will be taken to avoid any spillage i.e. spigots and hoses for heating oil drums will be wrapped with absorbent material; absorbent padding will be used to catch drips and small spills during refueling.

**Waste:** A Waste Management Plan (WMP) was submitted with the Application and WMP v. 2.0 was submitted by including the suggested corrections from Public Review. WMP conforms to the Mackenzie Valley Land and Water Board's 2011 Guidelines for Developing a Waste Management Plan and reflects the scope of the project:

Project waste will comprise of combustible waste, non-combustible waste and recyclable materials, which will be removed on a weekly basis by fixed-wing plane, and will be sent to recycle/disposal facilities off-site (Whitehorse, YT). All items removed to Whitehorse will be handled by an accredited agency, using best practices for the particular waste stream. Ash (from combustible waste suitable for open burning) will either be transported to disposal facility in Whitehorse or may be buried on site. Human waste will be deposited in privy pits on site, at least 100m away from waterbodies; privy pits will be back-filled and reclaimed.

\* Hazardous waste generation expected: Used batteries (recycling off-site); fuel, oil and lubricants (disposal off-site); used air, oil and fuel filters and absorbent pads (disposal off-site); chemical waste (disposal off-site); empty fuel drums (recycling off-site).

\* Mineral waste generation expected: Drill cuttings will be stored in a sump, consisting of a natural depression, more than 100 metres from the Ordinary High-Water Mark of any waterbody unless approved by the appropriate regulatory authority. Sumps will be allowed to drain then backfilled, recontoured and reseeded if an appropriate seed mix is available.

\* Non-mineral waste generation expected: Paper/cardboard (for approved burning on-site and disposal on/off-site); food waste (disposal off-site); scrap metal, retired drill equipment, plastic and rubber, construction waste (recycling off-site).

\* Sewage blackwater and greywater: Sewage collected in pit privy at least 100 m away from water-bodies. Pits will be backfilled, recontoured and reclaimed by allowing natural revegetation, at the end of the project.

**Engagement:** An Engagement Plan was submitted with the Application that meets the requirements of the MVLWB Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits (2013).

**Wildlife and archaeology:** Wildlife, Archaeology, Environmental Awareness Plan was submitted as part of the Application. Revised (version 2) version of this plan was submitted, incorporating suggested changes as per Public Review. This is for the purpose of protecting wildlife, avoiding human interactions with wildlife and preserving archaeological resources.

**Closure:** A Closure and Reclamation Plan (CRP) was submitted with the Application. CRP v. 2.0 was submitted with suggested corrections in Public Review. This CRP is developed in accordance with the Mackenzie Valley Land and Water Board (MVLWB) Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories (2013). The development of a CRP is an ongoing and iterative process that progresses in level of detail over the life of a project. There is limited industrial development in the project area other than the already established outfitter camps.

Upon completion of any exploration programs all equipment, debris, structures, and garbage will be removed from the site. All disturbed natural landscapes will be returned to their original state as much as is possible by mean of leaving the ground surface in a condition that will promote natural re-vegetation. Each drill site will be inspected for any remaining material.

**Scope:**

The following land-use operations are anticipated:

- a) Mineral exploration activities, including prospecting, rock and soil sampling, diamond drilling, reverse circulation drilling, airborne and ground based geophysics;
- b) Construction, operation and decommissioning of a temporary camp;
- c) Use and storage of vehicles and equipment;
- d) Storage of fuel and hazardous materials;
- e) Disposal of waste;
- f) use of water for domestic needs and drilling;
- g) site closure and progressive reclamation.

**Land Use Eligibility**

Section 18 Mackenzie Valley Land Use Regulations:  
18(a)(i)

**Type of Disposition**

**Disposition Number(s)**

- Mineral Claims 31 valid mineral claims within Sahtu Region, NT (listed in Table 1 of Project Description)
- Prospecting Permit (s)
- Mineral Leases
- Oil and Gas: EL/SDL/PL
- Quarry Permit
- Timber Permit
- Other:

**Principal Activities (related to scoping)**

(CHECK ALL THAT APPLY)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Construction                     | <input checked="" type="checkbox"/> Exploration | <input checked="" type="checkbox"/> Decommissioning: camp                          |
| <input type="checkbox"/> Installation                     | <input type="checkbox"/> Industrial             | <input type="checkbox"/> Abandonment   |
| <input checked="" type="checkbox"/> Maintenance           | <input type="checkbox"/> Recreation             | <input checked="" type="checkbox"/> Aerial: this is a helicopter supported program |
| <input type="checkbox"/> Expansion                        | <input type="checkbox"/> Municipal              | <input type="checkbox"/> Harvesting  |
| <input type="checkbox"/> Operation (re-suspension)        | <input type="checkbox"/> Quarry                 | <input checked="" type="checkbox"/> Camp   |
| <input type="checkbox"/> Repair                           | <input type="checkbox"/> Linear / Corridor      | <input checked="" type="checkbox"/> Scientific / Research                          |
| <input checked="" type="checkbox"/> Water Intake: minimal | <input checked="" type="checkbox"/> Sewage      | <input checked="" type="checkbox"/> Solid Waste                                    |

Other:  
reverse circulation drilling and core (diamond) drilling

(DESCRIBE)

**Principal Development Components (related to scoping)**

(CHECK ALL THAT APPLY)

- Access Road
  - construction
  - abandonment/removal
  - modification e.g., widening, straightening
- Automobile, Aircraft or Vessel Movement
- Blasting
- Building
- Burning
- Burying
- Channeling
- Cut and Fill
- Cutting of Trees or Removal of Vegetation
- Dams and Impoundments
  - construction
  - abandonment/removal
  - modification
- Ditch Construction
- Drainage Alteration
- Drilling other than Geoscientific
- Ecological Surveys
- Excavation
- Explosive Storage
- Fuel Storage,
- Topsoil, Overburden or Soil
  - fill
  - disposal       removal
  - storage
- Waste Management
  - disposal of hazardous waste
  - waste generation
  - drilling wastes
- Sewage
  - disposal of sewage
- Geoscientific Sampling
  - trenching
  - diamond drill; reverse circulation drill
  - borehole core sampling
- Bulk soil sampling yes (rock and soil sampling)
- Gravel
- Hydrological Testing
- Site Restoration
  - fertilization
  - grubbing
  - planting/seeding
  - reforestation
  - scarify
  - spraying
  - recontouring
- Slashing and removal of vegetation: minimal
- Soil Testing no they are only sampling – testing not on site
- Stream Crossing/Bridging
- Tunneling/Underground
- Water Intake: minimal, for camp needs and drilling
- Other

**NTS Map Sheet #s:** 105P

Latitude/Longitude and UTM System:

Min. Latitude: 63° 17' 0" N      Max. Latitude: 64° 34' 0" N  
Min. Longitude: 129° 32' 0" W      Max. Longitude: 129° 56' 0" W

(DEGREES, MINUTES, SECONDS, MAP SHEET)

**Nearest Community and Water Body:**

Ross River, YT;      Tsichu River which flows into Keele River

**Land Status (consultation information)**

(CHECK ALL THAT APPLY)

- Free Hold / Private       Commissioner's Land       Federal Crown Land       Municipal Land

**Transboundary Implications**

(CHECK ALL THAT APPLY - IF KNOWN & APPLICABLE)

- British Columbia       Alberta       Saskatchewan       Yukon
- Nunavut       Wood Buffalo National Park       Inuvialuit Settlement Region

N/A

**Type of Transboundary Implication:**

- Impact / Effect       Development

Public Concern

\_\_\_\_\_ (DESCRIBE)

N/A

**PHYSICAL - CHEMICAL EFFECTS**

**IMPACT**

**MITIGATION**

**1. Groundwater**

Water table alteration

1. No impact to water table is expected. However, a standard land use permit condition can be added in the event of encountering flowing artesian wells during the drilling process, requiring the Permittee to a) plug the Borehole in such a manner as to permanently prevent any further outflow of water; and (b) immediately report the occurrence to the Board and an Inspector.

Water quality changes

If fuel spills it may migrate into groundwater. Drums and berms will be used for spill contingency. This means that large spills (>200 litres) are very unlikely. Prevention/mitigations include:

1. Strict following of the Spill Contingency Plan (SCP).
2. Spill kits will be located wherever fuel and hazardous materials are stored or used.
3. If a reportable spill occurs, it will be reported to the NWT 24-Hour Spill Report Line at (867) 920-8130 and additional internal/external spill response contacts (enlisted in SCP), as required.
4. Fuel will not be kept in containers larger than 205 litre drums. Fuel drums will be stored in impermeable berms.
5. Spill prevention plan will be kept on site close to all fuel storage areas.
6. Absorbent cloth will be kept close to fuel and used each time refueling occurs.
7. Fuel will be stored at least 100m from waterways.
8. Drums will be monitored regularly. Bungs will be kept in horizontal positions.

Infiltration changes

1. Strict following of the Spill Contingency Plan (SCP).
2. A standard Flowing Artesian Wells condition can be added to the Land Use Permit to prevent flowing water from a borehole by: (a) plug the Borehole in such a manner as to permanently prevent any further outflow of water; and (b) immediately report the occurrence to the Board and an Inspector.

Other:

N/A

**IMPACT**

**MITIGATION**

**2. Surface Water**

Water flow or level changes

Water quality changes

If fuel spills occur, they may impact surface waters. Drilling waste may also contaminate surface water

1. Project staff to be trained in spill prevention and response, in accordance with the work.
2. Spill kits will be located wherever fuel and hazardous materials are stored or used.

3. All drilling waste to be deposited in sumps or depressions on the land greater than 100 m from any waterbody.
4. Implementation of the Spill Contingency Plan and Waste Management Plan as required.
5. All drilling waste will be deposited in sumps or depressions on the land greater than 100 m from any watercourse
6. A standard condition can be included in the land use permit conditions to a) ensure the repair of any leaks immediately and b) to instruct for the placement of containment trays under stationary heavy equipment.
7. A standard condition can be included in the land use permit conditions for the proponent to clean up all leaks, spills and contaminated material.

- Water quantity changes
- Drainage pattern changes
- Temperature
- Wetland changes / loss
- Other:
- N/A

**IMPACT**

**MITIGATION**

**3. Noise**

- ✓ Noise increase

1. Noise from helicopters may have a direct impact on Mountain Goats or large concentrations of birds. Flight vertical separation of 1.0 km and horizontal separation of 1.5 km will be maintained from concentrations of birds, and 2.0 km from Mountain Goats. To prevent wildlife disturbance pilots will not fly at low elevations and will avoid known ungulate birthing regions during the breeding season. If wildlife is encountered flight paths will be deviated.

- ✓ Noise in/near water

1. Noise from helicopters may have a direct impact on Mountain Goats or large concentrations of birds. Flight vertical separation of 1.0 km and horizontal separation of 1.5 km will be maintained from concentrations of birds, and 2.0 km from Mountain Goats. To prevent wildlife disturbance pilots will not fly at low elevations and will avoid known ungulate birthing regions during the breeding season. If wildlife is encountered flight paths will be deviated.

- Other:

- N/A

**IMPACT**

**MITIGATION**

**4. Land**

- ✓ Geologic structure changes

1. Geologic structure changes not likely to be significant, but possible. Mitigation: Drill casings will be removed after sampling, and drill holes will be back-filled and re-contoured.

- ✓ Soil contamination

Soil contamination is possible in the case of a spill. Mitigations include:

  1. Adhering to the Spill Contingency Plan and Waste Management Plan of the project.
  2. Spill kits will be located wherever fuel is used or stored.
  3. A standard condition can be included in the land use permit conditions, instructing for the placement of containment trays under stationary heavy equipment, which will help to avoid leaks on the land. The condition can also include instruction for the immediate repair of the leaks.
  4. If a reportable spill occurs, it will be reported to the NWT 24-Hour Spill Report Line at (867) 920-8130 and additional internal/external spill response contacts (enlisted in SCP), as required.
  5. Fuel will not be kept in containers larger than 205 litre drums. Fuel drums will be stored in impermeable berms.
  6. Spill prevention plan will be kept on site close to all fuel storage areas.
  7. Absorbent cloth will be kept close to fuel and used each time refueling occurs.
  8. Fuel will be stored at least 100m from waterways.
  9. Drums will be monitored regularly. Bungs will be kept in horizontal positions
  
- ✓ Ground disturbance

Drilling activities may cause ground disturbance. No mechanical surface disturbance is proposed for this permit.

  1. Electromagnetic pulses from the geophysics surveys are only 1-2 amps for 10-30 seconds. No residual impacts.
  
- Buffer zone loss
  
- Soil compaction & settling
  
- Destabilization / erosion
  
- ✓ Permafrost regime alteration

The project requires drilling where permafrost may be present. Permafrost development is minimal on the Astro Project and generally only developed at depth. No mechanical surface disturbance is proposed for this permit. Activities will be designed to mitigate adverse environmental impacts related to degradation of permafrost.

  1. Ground disturbance will be kept to a minimum with only hand dug pits.
  2. Reclamation including moss replacement will be carried out as soon as the area is vacated.
  3. Drill hole locations will be relocated to minimize permafrost disturbance wherever practicable.
  
- ✓ Other:

The Project is situated within an area of Ice Patches identified on Map 4 of the Sahtu Land Use Plan. Prince of Wales Northern Heritage Centre (PWNHC) to be contacted to confirm specific locations and if any, to be avoided by 150 m.
  
- N/A

**IMPACT**

**MITIGATION**

## 5. Non-Renewable Natural Resources

- ✓ Resource depletion
  - 1. Equipment using fossil fuels will be utilized in the most efficient manner possible in order to minimize program fossil fuel requirements.
- Other
- N/A

### **IMPACT**

### **MITIGATION**

## 6. Air / Climate / Atmosphere

- ✓ Greenhouse gases
  - 1. Vehicles and equipment, using fossil fuels, emit substances that contribute to air pollution and global warming. The cumulative effects of these activities are an unavoidable impact of fossil fuel usage.

## BIOLOGICAL ENVIRONMENT

### **IMPACT**

### **MITIGATION**

### 1. Vegetation

- ✓ Species composition
  - The risk of sensitive species and features being impacted is expected to be low.
    - 1. Use properly cleaned equipment. No non-native seed mixes used for reclamation activities.
- ✓ Species introduction
  - 1. Use properly cleaned equipment. No non-native seed mixes used for reclamation activities.
- ✓ Toxin / heavy accumulation
  - 1. Any contaminated materials will be properly stored and removed from site for proper disposal (as per waste management plan).
- Loss of timber along seismic lines
- ✓ Damage to ground vegetation and permafrost
  - The project requires drilling where permafrost may be present. Permafrost development is minimal on the Astro Project and generally only developed at depth. No mechanical surface disturbance is proposed for this permit. Activities will be designed to mitigate adverse environmental impacts related to degradation of permafrost.
    - 1. Ground disturbance will be kept to a minimum with only hand dug pits.
    - 2. Reclamation including moss replacement will be carried out as soon as the area is vacated.
    - 3. Drill hole locations will be relocated to minimize permafrost disturbance wherever practicable.
- Increased fire hazard
- N/A

### **IMPACT**

### **MITIGATION**



## 2. Wildlife & Fish

✓ Effects on rare, threatened or endangered species

The project area overlaps with the ranges of the following NWT-listed and/or pre-listed species: Boreal Caribou (Threatened in the NWT), Barren-ground Caribou (Threatened in the NWT), Grizzly Bear (Special Concern in NWT), and Little Brown Myotis (bat) (Special Concern in the NWT). Although the project overlaps with the range(s) of the species listed above, the scope, nature, areal extent, scale and/or timing of the proposed project are such that the likelihood of impacts to NWT-listed or pre-listed species at risk is minimal.

Mitigations include:

1. Conducting activities away from water courses.
2. Proper waste management.
3. Adherence to best practices relating to wildlife which may come onto site, according to Wildlife, Archaeology, Environmental Awareness Plan.
4. Grizzly Bears are abundant in the area and all safety precautions must be taken.

○ Fish population changes

○ Waterfowl population

✓ Breeding disturbances

There is potential for breeding disturbances to caribou from helicopter geophysical surveys. It may not be significant as most of the caribou activity (calving, migration) is south of the Astro Project site.

○ Population reduction

○ Species diversity change

✓ Health changes (identify)

1. Spills of fuel could be harmful to wildlife and aquatic life.
2. All spills will be cleaned up according to the Spill Contingency Plan.

✓ Behavioral changes (identify)

1. Wildlife emergencies must be reported to Environmental Protection Division of GNWT (Sahtu region - Norman Wells) at 1-867- 587-2422.
2. The Proponent will conduct pre-activity surveys within 800m of the project footprint to identify active bear dens if project activities will occur between September 30 and March 30.
3. If an active bear den is detected, or suspected, the Proponent will implement and maintain an 800 m exclusion zone until the bear emerges in spring.
4. If a bear den and exclusion zone would result in the halt of part or the entire program, the Proponent should contact ENR to discuss alternative mitigation options.

✓ Habitat changes / effects

1. Work crews will avoid interaction with any wildlife and monitor and record wildlife interactions, including those with species at risk or migratory birds.
2. A standard LUP condition may be added regarding the protection on wildlife habitat.
3. The Proponent will keep track of the disturbance footprint of development activities with collection of geospatial data to help inform the management of cumulative effects on wildlife and wildlife habitat.

○ Game species effects

✓ Toxins / heavy metals

Minimal generation of metallic pollutant due to drilling activities may be expected.

1. Strictly abide by the Waste Management Plan to safely store and dispose the contaminated soil.
2. Rock chips from massive-sulphide zones (>75% sulphide by volume as determined by visual analysis) will be removed from site to avoid potential acid rock generation (ARD) and disposed of at an appropriate facility in Whitehorse.

- Forestry changes
- Agricultural changes

○ Other:

○ N/A

## INTERACTING ENVIRONMENT

### *IMPACT*

### *MITIGATION*

#### 1. Habitat & Communities

○ Predator-prey

✓ Wildlife habitat / ecosystem composition changes

1. Work crews will avoid interaction with any wildlife and monitor and record wildlife interactions, including those with species at risk or migratory birds.
2. Adherence to best practices relating to wildlife which may come onto site, according to Wildlife, Archaeology, Environmental Awareness Plan.
3. A standard LUP condition may be added regarding the mitigation of possible impacts on wildlife habitat.

✓ Reduction / removal of keystone or endangered species

- There is a potential for maybe-at-risk plants to be located in the area.
1. Plant surveys to be conducted prior to any land disturbance activity to confirm presence of maybe-at-risk plants. This can be required as a condition of authorization.

○ Removal of wildlife corridor or buffer zone

○ Other: Canadian Important Bird Areas

### *IMPACT*

### *MITIGATION*

#### 2. Social & Economic

○ Planning / zoning changes or conflicts

○ Rental house

○ Airport operations / capacity changes

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Human health hazard</li> <li><input type="checkbox"/> Impair the recreational use of water or aesthetic quality</li> <li><input type="checkbox"/> Affect water use for other purposes</li> <li><input checked="" type="checkbox"/> Affect other land use operations</li> <li><input type="checkbox"/> Quality of life changes</li> <li><input type="checkbox"/> Public concern</li> <li><input checked="" type="checkbox"/> Other: Employment</li> <li><input type="checkbox"/> N/A</li> </ul> | <ul style="list-style-type: none"> <li>1. Hazardous materials on-site will be mainly fuel (fire hazard).</li> <li>2. Any contaminated material must be safely handled according to Waste Management Plan.</li> <li>3. Anyone handling hazardous material on-site will be required to wear all personal protective equipment.</li> <br/> <li>1. There is potential for helicopter work to disturb hunters and outfitters in the area. Mitigation proposed is to ensure good two-way communication.</li> <br/> <li>Employment for Sahtu beneficiaries and other local businesses.</li> </ul> |
|---|--|

**IMPACT**

**MITIGATION**

**3. Cultural & Heritage**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Affects to historic property</li> <li><input type="checkbox"/> Increased economic pressure</li> <li><input type="checkbox"/> Changes to or loss of historic resources</li> <li><input checked="" type="checkbox"/> Changes to or loss of archeological resources</li> <li><input type="checkbox"/> Increased pressure on archeological resources</li> <li><input checked="" type="checkbox"/> Effects to aboriginal lifestyle</li> <li><input type="checkbox"/> Other:</li> </ul> | <ul style="list-style-type: none"> <li>1. Standard conditions for the protection of archeological resources can be included in the land use permit conditions with provisions for a) archaeological buffer and b) prevention of damage of archaeological specimen/site.</li> <li>2. Crew must familiarize with Wildlife, Archaeology, and Environmental Awareness Plan.</li> <br/> <li>Tulita Renewable Resources Council (TRRC) members hunt caribou in the project area from September 15-25. <ul style="list-style-type: none"> <li>1. Mitigation: Evrim will engage with communities about their Project activities and timing to minimize conflicts.</li> </ul> </li> </ul> |
|---|--|

**PRELIMINARY SCREENER / REFERRING BODY INFORMATION**  
(CHECK ALL THAT APPLY)

	<b>RA or DRA</b>	<b>ADVISE</b>	<b>PERMIT REQUIRED</b>
<b>Federal</b>			
ATOMIC ENERGY CONTROL BOARD	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CANADIAN HERITAGE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CANADIAN TRANSPORTATION AGENCY	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ENVIRONMENT AND CLIMATE CHANGE CANADA	<input type="radio"/>	✓	<input type="radio"/>
FISHERIES & OCEANS	<input type="radio"/>	✓	<input type="radio"/>
ABORIGINAL AFFAIRS AND NORTHERN DEVELOPMENT CANADA	<input type="radio"/>	✓	<input type="radio"/>
CANADIAN NORTHERN ECONOMIC DEVELOPMENT AGENCY – NWT REGION	<input type="radio"/>	✓	<input type="radio"/>
INDUSTRY CANADA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NATIONAL DEFENSE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NATIONAL ENERGY BOARD	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NATURAL RESOURCES	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PUBLIC WORKS & GOVERNMENT SERVICES	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TRANSPORT CANADA	<input type="radio"/>	✓	<input type="radio"/>
CANADIAN NUCLEAR SAFETY COMMISSION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Territorial</b>			
MUNICIPAL & COMMUNITY AFFAIRS	<input type="radio"/>	✓	<input type="radio"/>
EDUCATION, CULTURE AND EMPLOYMENT	<input type="radio"/>	✓	<input type="radio"/>
ENVIRONMENT & NATURAL RESOURCES	<input type="radio"/>	✓	<input type="radio"/>
INFRASTRUCTURE	<input type="radio"/>	✓	<input type="radio"/>
DEPARTMENT OF HEALTH AND SOCIAL SERVICES	<input type="radio"/>	✓	<input type="radio"/>
PRINCE OF WALES NORTHERN HERITAGE CENTRE	<input type="radio"/>	✓	<input type="radio"/>
INDUSTRY, TOURISM AND INVESTMENT	<input type="radio"/>	✓	<input type="radio"/>
LANDS	<input type="radio"/>	✓	<input type="radio"/>
OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS	<input type="radio"/>	✓	<input type="radio"/>
<b>Boards</b>			
GWICH'IN LAND & WATER BOARD	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SAHTU LAND & WATER BOARD	✓	<input type="radio"/>	✓
MACKENZIE VALLEY LAND & WATER BOARD	<input type="radio"/>	✓	<input type="radio"/>
MACKENZIE VALLEY ENVIR. IMPACT REVIEW BOARD	<input type="radio"/>	✓	<input type="radio"/>
SAHTU LAND USE PLANNING BOARD	<input type="radio"/>	✓	<input type="radio"/>
SAHTU RENEWABLE RESOURCES BOARD	<input type="radio"/>	✓	<input type="radio"/>
SAHTU HEALTH BOARD	<input type="radio"/>	✓	<input type="radio"/>
WEK'EEZHII LAND & WATER BOARD	<input type="radio"/>	✓	<input type="radio"/>
<b>Aboriginal / First Nation</b>			
SAHTU SECRETARIAT INCORPORATED	<input type="radio"/>	✓	<input type="radio"/>
NORMAN WELLS LAND CORPORATION	<input type="radio"/>	✓	<input type="radio"/>
TULITA RENEWABLE RESOURCES COUNCIL	<input type="radio"/>	✓	<input type="radio"/>
TULITA DISTRICT LAND CORPORATION	<input type="radio"/>	✓	<input type="radio"/>
FORT NORMAN METIS LOCAL #60 LAND CORPORATION	<input type="radio"/>	✓	<input type="radio"/>
FORT NORMAN RENEWABLE RESOURCES COUNCIL	<input type="radio"/>	✓	<input type="radio"/>
TULITA LAND CORPORATION	<input type="radio"/>	✓	<input type="radio"/>
TULITA BAND COUNCIL	<input type="radio"/>	✓	<input type="radio"/>
NORMAN WELLS RENEWABLE RESOURCES COUNCIL	<input type="radio"/>	✓	<input type="radio"/>
<b>Local Government</b>			
TULITA HAMLET INCORPORATED	<input type="radio"/>	✓	<input type="radio"/>
TOWN OF NORMAN WELLS	<input type="radio"/>	✓	<input type="radio"/>
DELINE GOT'INE GOVERNMENT	<input type="radio"/>	✓	<input type="radio"/>
<b>Communities</b>			
Tulita			

## REASONS FOR DECISION

The Sahtu Land and Water Board (the Board) is satisfied that the preliminary screening of Application S19C-003, Evrim Exploration Canada Corp., Mineral Exploration Astro Project, Tulita District, NT has been completed in accordance with section 125 of the *Mackenzie Valley Resource Management Act* (MVRMA).

The Board is satisfied that communities and First Nations affected by the Application have been notified and provided adequate time to provide comment on the Application as required by land claim and self-government agreements, the MVRMA, and any other applicable legislation and agreements.

Having reviewed all relevant evidence on the Public Registry, including the submissions of the Applicant, the written comments received by the Board and any Staff Reports prepared for the Board, the Board has decided that in its opinion:

- The proposed development will not have a significant adverse impact on the environment; and
- The proposed development is not a cause of public concern.

The Board is also of the opinion that the Application can proceed through the regulatory process and that any impacts of the development on the environment can be mitigated through the imposition of the terms and conditions in the attached Land Use Permit.

As a result, the Board, having due regard to the facts and circumstances, the merits of the submissions made to it, and to the purpose, scope, and intent of the MVRMA and the Mackenzie Valley Land Use Regulations has decided that this Land Use Permit be issued subject to the terms and conditions contained therein.

–	PRELIMINARY SCREENING DECISION
✓	<b>Outside Local Government Boundaries</b>
○	The development proposal might have a significant adverse impact on the environment, <i>refer it to the EIRB.</i>
✓	<i>Proceed with regulatory process and/or implementation.</i>
○	The development proposal might have public concern, <i>refer it to the EIRB.</i>
✓	<i>Proceed with regulatory process and/or implementation.</i>
○	<b>Wholly within Local Government Boundaries</b>
○	The development proposal is likely to have a significant adverse impact on air, water or renewable resources, <i>refer it to the EIRB.</i>
○	<i>Proceed with regulatory process and/or implementation.</i>
○	The development proposal might have public concern, <i>refer it to the EIRB.</i>
○	<i>Proceed with regulatory process and/or implementation.</i>

**Preliminary Screening Organization**

Sahtu Land & Water Board \_\_\_\_\_

**Signatures**

 \_\_\_\_\_