

Nunavut Planning Commission – Project Proposal Submission

Esker Gold Project – Early-Stage Exploration 2025

Submitted by Guardian Exploration Inc.

1. Proponent Information

Company Name: Guardian Exploration Inc.

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2. Project Title

Esker Gold Project – Early-Stage Exploration Program, 2025

3. Project Summary

Guardian Exploration Inc. proposes a small-scale, early-stage gold exploration program on both Crown land and Inuit Owned Land (surface rights) to the east of South Henik Lake, approximately 170 km west-northwest of Arviat, Nunavut. The project area extends from the Esker gold occurrence in the west, to the River gold occurrence in the east, and encompasses 16,282.107 hectares. Activities will include geological mapping, chip and grab rock sampling, and potentially low-impact drone geophysical surveys and ground IP geophysical surveying. No camp will be constructed within the claims area; access will be by daily helicopter transport from an off-site, pre-approved camp. No mechanized trenching or heavy equipment will be used.

4. Project Objectives

- Identify and characterize gold-bearing structures in Archean and Proterozoic lithologies.
- Collect geological and geochemical data.
- Assess potential for more detailed exploration in future seasons.

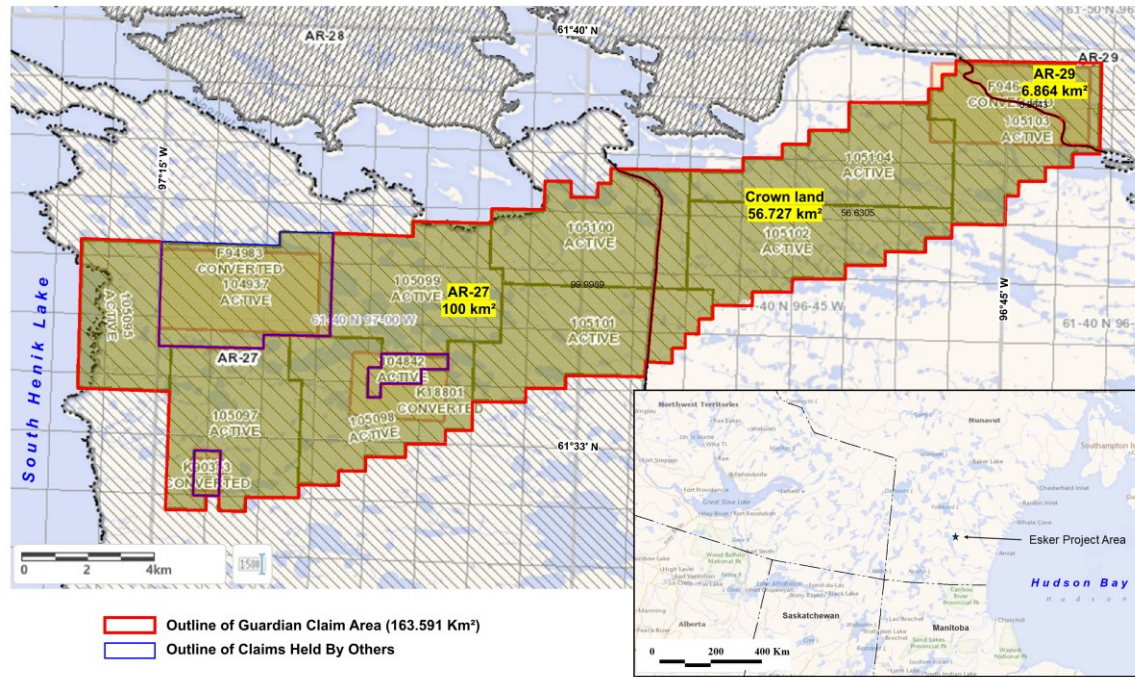
5. Project Location

Area: 16,282.107 hectares (845 units)

Coordinates (Centroid): ~61°35'54.50"N, 97°01'18.21"W

Land Tenure: Combination of Crown land and Inuit Owned Land (surface rights)

Nearest Community: Arviat (~170 km east)



6. Project Timeline

- Geological Crew Mobilization: August 20, 2025
- Field Program: August 21 – September 25, 2025 (up to 5 weeks)
- Demobilization: September 26–27, 2025
- Cleanup and Reporting: By October 31, 2025
- Operation Type: Annual

7. Description of Activities

Geological Mapping and Sampling:

- Hand sampling (rock hammers, chisels) of mineral showings
- Small amounts of muriatic acid used in field to identify carbonate-bearing rocks

Geophysical Surveys:

- Drone magnetometer survey (if conducted)
- Ground-based Induced Polarization survey

Personnel and Logistics:

- Daily helicopter transport from established camp or lodge
- No camp construction or fuel storage within claims area

Sample Handling:

- Samples shipped off-site for analysis
- No on-site chemical processing

8. Camp Construction

No camp will be constructed at the project site. Accommodation and staging will occur at a previously approved facility (see Application #150842) or another nearby facility. Helicopter access only.

9. Equipment & Materials

Equipment	Quantity	Description/Use
Hand Tools	12	Geological hammers, shovels, picks, grub hoes
Induced Polarization Geophysical system	1	Components include: Battery-powered low impact transmitter, receiver, electrodes and cables
Drone Magnetometer System	1	Small UAV and base magnetometer station
Muriatic Acid	2 × 1L	Carbonate testing in field samples

10. Fuel Storage and Use

No fuel will be cached or stored on site. Helicopter fuel will be managed off-site. Small UAVs will be charged from portable batteries or at the offsite camp facility.

11. Environmental & Wildlife Considerations

- Project is within Caribou Late Summer Core Range, but not near calving/post-calving zones
- No wildlife habitat or archaeological sites identified in the area (based on prior consultation)
- Garbage removed daily; no waste left on site
- Field crew trained in bear safety; may include trained bear monitors

12. Community Engagement

Letters of notification sent to:

- Hamlet of Arviat
- Arviat HTO
- Kivalliq Inuit Association (KIA)

Guardian will prioritize Inuit hiring and provide field training.

13. Licensing & Tenure

- Crown Claims: Held in name of Guardian Exploration Inc. and Steven Dudka

Claim #	Area (ha)	Units	Name	Owner
105095	1214.772	63	S. Henik	Steven Dudka
105097	1910.399	99	Esker1	Guardian Exploration Inc
105098	1794.248	93	Esker2	Guardian Exploration Inc
105099	1927.221	100	Esker3	Guardian Exploration Inc
105100	1926.184	100	Esker4	Guardian Exploration Inc
105101	1927.895	100	Esker5	Guardian Exploration Inc
105102	1848.849	96	Esker6	Guardian Exploration Inc
105103	1923.533	100	Esker7	Guardian Exploration Inc
105104	1809.006	94	Esker8	Guardian Exploration Inc
TOTAL	16282.107	845		

- Inuit Owned Surface Rights: KIA Land Use Authorization will be submitted for AR-27 (100km²) and AR-29 (6.864 km²)
- NPC Screening: This submission is made under a separate file from Application #150842 (Sundog)
- Crown land comprises 56.727km² area. No CIRNAC land use permit expected to be required due to lack of ground disturbance

Submitted by:

Graydon Kowal / Steven Dudka

Guardian Exploration Inc.

Date: 16 June 2025