



**SCREENING DECISION REPORT
NIRB FILE No.: 25EN080**

NPC File No.: 150937

March 16, 2026

Following the Nunavut Impact Review Board’s (NIRB or Board) assessment of all materials provided, the NIRB is **recommending that a review of 6106 Resources Ltd.’s “Hook Lake Project” is not required** pursuant to Article 12, Section 12.4.4(a) of the Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement) and s. 92(1)(a) of the Nunavut Planning and Project Assessment Act, S.C. 2013, c. 14, s. 2 (NuPPAA).

Subject to the Proponent’s compliance with the terms and conditions as set out in below, issued in accordance with s. 92(2)(a) of *NuPPAA*, the NIRB is of the view the project proposal is not likely to cause significant public concerns, and is unlikely to result in significant adverse environmental and social impacts. The NIRB therefore recommends that the responsible Minister accepts this Screening Decision Report.

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REGULATORY FRAMEWORK

The primary objectives of the NIRB are set out in Article 12, Section 12.2.5 of the *Nunavut Agreement* and are confirmed by s. 23 of the *NuPPAA*. The purpose of screening is provided for under Article 12, Section 12.4.1 of the *Nunavut Agreement* and s. 88 of the *NuPPAA*.

As set out under Article 12, Section 12.4.4 of the *Nunavut Agreement* and s. 92(1) of the *NuPPAA*, upon conclusion of the screening process, the Board must provide its written report the Minister indicating one of three options:

- (a) a review of the project is not required;
- (b) a review of the project is required; or
- (c) the project should be modified or abandoned.

PROJECT OVERVIEW & THE NIRB ASSESSMENT PROCESS

On November 17, 2025, the NIRB received a referral to screen 6106 Resources Ltd.’s “Hook Lake Project” project proposal (NIRB File No: 25EN080) from the Nunavut Planning Commission (Commission), with an accompanying positive conformity determination with the Keewatin Regional Land Use Plan; All documents received and pertaining to this project proposal can be accessed from the NIRB’s Public Registry by using any of the following search criteria or www.nirb.ca/project/126248.

- Project Name: Hook Lake project
- NIRB File No.: 25EN080
- NIRB Application No.: 126248

Table 1: NIRB’s Assessment Process

Date	Stage
November 17, 2025	Receipt of project proposal and positive conformity determination (Keewatin Regional Land Use Plan) from the Commission;
November 17, 2025	Pursuant to s. 144(1) of the <i>NuPPAA</i> the NIRB requested the Proponent complete an online application to address information required for Screening
November 30, 2025	Receipt of online application from Proponent
December 18, 2025	Request(s) to Proponent for additional information in order to carry out screening pursuant to s. s. 144(1) of the <i>NuPPAA</i>
December 18, 2025	Proponent responded to information request(s) and provided additional information
December 18, 2025	Scoping pursuant to s. 86(1) of the <i>NuPPAA</i>
January 08, 2026	Public engagement and comment request (which included draft terms and conditions) was issued in English with translations provided once available
February 09, 2026	Receipt of public comments (later extended to February 06, 2026)

Date	Stage
February 16, 2026	Proponent provided with an opportunity to address comments/concerns raised by public
February 18, 2026	Proponent responded to comments/concerns raised by public
February 02, 2026	Pursuant to Article 12 s 12.4.5 of the <i>Nunavut Agreement</i> and s. 92(3) of the <i>NuPPAA</i> , an extension to the 45-day timeline for the provision of the Board's Report was requested from the Minister(s) of Northern and Arctic Affairs and Minister Responsible for the Canadian Northern Economic Development Agency
March 16, 2026	Issuance of Screening Decision Report

1. Project Scope

Location	Kivalliq region, approximately 140 km northwest of Arviat, 179 km from Whale Cove, and 219 km from Rankin Inlet.
Objective	The Proponent intends to conduct early-stage gold-focused mineral exploration to evaluate gold and associated sulphide mineral potential using low-impact geological, geophysical, and drilling methods, while respecting environmental, wildlife, and cultural values and complying with all applicable regulatory requirements.
Timeline	January 23, 2026, to May 23, 2026 (Construction) July 24, 2026, to October 23, 2026 (Operation)

As required under s. 86(1) of the *NuPPAA*, the Board accepted the scope of the project as set out by 6106 Resources Ltd. in the proposal. The scope of the project proposal includes the following undertakings, works, or activities:

Exploration Planning and Studies

- Review of existing geological information and use of satellite imagery and aerial photography to help identify areas of interest.
- These activities are completed remotely or from the air and do not disturb the land.

Field Exploration and Sampling

- Geological mapping to better understand surface rock formations.
- Collection of small rock and soil samples by hand.
- Soil samples would be taken from small holes, and surface vegetation would be carefully replaced after sampling.
- Re-sampling of historical drill core, where available.

Geophysical Surveys

- Ground-based surveys to gather information about underground rock structures without digging.
- Airborne surveys using aircraft or helicopters to collect similar information over larger areas.
- Activities would be planned to avoid sensitive wildlife periods, such as times when caribou are present.

Drilling Activities

- Limited drilling using portable equipment to collect rock samples from below the ground surface.
- Drill sites would be temporary and reclaimed progressively, including cutting drill collars to ground level, filling sumps where required, and restoring disturbed areas to near-natural conditions.
- Drilling would mainly occur on land, with ice-based drilling used only if required.
- No permanent drill sites or infrastructure would be left behind.

Camp, Access, and Transportation

- Access to the project area by fixed-wing aircraft and helicopter.
- Local travel by snowmobile or all-terrain vehicle when conditions allow.
- A temporary, tent-based exploration camp would support approximately 20 personnel.
- No permanent buildings, roads, or other infrastructure would be constructed.

Fuel, Waste, and Environmental Protection

- Fuel would be stored and handled safely following applicable regulations.
- All solid and hazardous waste would be collected and removed from the site for proper disposal.
- Measures would be implemented to protect wildlife, land, and water throughout the project.

2. Inclusion or Exclusion to Scoping List

The NIRB has identified no additional work or activities in relation to the project proposal. As a result, the NIRB will proceed with screening the project based on the scope as described above.

3. Public Comments and Concerns

As outlined in Table 1 above, notices regarding the NIRB's screening of this project proposal were distributed to community organizations as well as to relevant federal and territorial government agencies, Inuit and Indigenous organizations and other parties with a request for interested parties to provide the Board with any comments or concerns regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic or socio-economic effects; and if so, why;
- Whether the project proposal is likely to cause significant adverse impacts on wildlife habitat or Inuit harvest activities; and if so, why;
- Whether the project proposal is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (and providing any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

On or before February 06, 2026, the NIRB received comments from the following interested parties:

Table 2: Comments Received

Commenting Party	NIRB Doc ID No.
Government of Nunavut (GN)	359332
Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	359254

Commenting Party	NIRB Doc ID No.
Transport Canada (TC)	359059
Athabasca Denesųłiné NÉNé Land Corporation (ADNLC)	359402
Beverly and Qamanirjuaq Caribou Management Board (BQCMB)	359387
Ghotelnene K'odtinech Dene (GKD)	359361

a. Summary of Comments and Concerns Received

Government of Nunavut (GN)

- GN raised eight comments, primarily focused on:
 - **Wildlife and Caribou Mitigation**
 - Lack of clarity on thresholds for suspending activities when caribou are present.
 - Need to define pre-calving and calving periods.
 - Clarification of wildlife monitoring responsibilities.
 - Application and transparency of KIA Mobile Caribou Conservation Measures.
 - Identification of raptor nest detection methods.
 - Inclusion of polar bear safety procedures.
 - Updated GN wildlife contact information.
 - **Fuel Spill Contingency Plan**
 - Need for additional detail on:
 - Secondary containment.
 - Spill kit use and locations.
 - Spill response procedures.
 - Handling and disposal of contaminated materials.
 - **Archaeological Assessment**
 - GN Culture and Heritage recommended:
 - Archaeological impact assessment prior to ground disturbance.
 - Assessment of helicopter landing areas and off-strip aircraft landings.
 - Standard chance-find procedures.
 - Adaptive management for multi-year exploration.

Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)

- CIRNAC provided recommendations related to:
 - Fuel storage configuration and spill risk, including site-specific placement of fuel caches and refuelling areas considering drainage, terrain, and proximity to waterbodies.
 - Drilling fluids and additives, requesting clarification on how permafrost, drainage, and terrain conditions would be incorporated into containment decisions.
 - Camp wastewater and greywater management, including sump capacity and infiltration performance.
 - Continued consultation with interested parties, including Inuit organizations and Ghotelnene K'odtinech Dene.
 - Provision of project materials and engagement with Ghotelnene K'odtinech Dene.

Transport Canada (TC)

- Transport Canada indicated that none of the project components fall within its mandate and provided no concerns.

Athabasca Denesūliné Néné Land Corporation (ADNLC)

- ADNLC did not support the project as submitted and raised concerns regarding:
 - Disturbance during spring migration, calving, and post-calving.
 - Protection of migration routes and freshwater crossings.
 - Lack of clearly defined mitigation triggers.
 - Need for maps overlaying collar data and Indigenous Knowledge.
 - Concerns regarding cumulative effects.
 - Request for improved engagement with Athabasca Denesūliné.
 - Concern regarding potential winter road impacts.

Beverly and Qamanirjuaq Caribou Management Board (BQCMB)

- BQCMB did not support the project as submitted and raised concerns regarding:
 - Overlap with habitat used during spring migration, calving, and post-calving periods.
 - Need for:
 - Dedicated wildlife monitoring personnel.
 - Defined early-warning and buffer zones.
 - Clear stop-work and restart triggers.
 - Protection of movement corridors and water crossings.
 - Consideration of cumulative effects from other regional projects.
 - Enforceable and precautionary caribou mitigation measures.

Ghotelnene K'odtineh Dene (GKD)

- GKD expressed concerns regarding:
 - Potential disturbance to caribou during migration and calving.
 - Impacts on harvesting activities and Section 35 rights.
 - Need for greater assessment of cumulative effects within the Beverly Qamanirjuaq herd range.
 - Continued engagement with the Nation.

b. Comments and Concerns with respect to Inuit Qaujimaningit, Indigenous and Community Knowledge

The following is a summary of the concerns or comments received about the project proposal with respect to Inuit Qaujimaningit, Indigenous and Community Knowledge:

- Comments received during the review referenced Inuit Qaujimaningit, Indigenous Knowledge, and Community Knowledge in relation to caribou and traditional land use within the project area. The area was identified as part of the seasonal range of the Beverly Qamanirjuaq caribou herd and as historically used for harvesting and travel.

- Seasonal migration routes, calving grounds, post-calving areas, and freshwater crossings were described as sensitive. Spring migration and calving periods were identified as requiring precautionary measures due to the vulnerability of pregnant cows and calves.
- Concerns were also raised regarding cumulative effects from multiple exploration and development activities within the herd's range. Repeated disturbance over time was identified as potentially affecting caribou behaviour, harvesting success, and community food systems.
- Several parties recommended inclusion of local wildlife monitors and continued engagement to ensure mitigation measures reflect community knowledge.

4. Proponent's Response to Public Comments and Concerns

The NIRB provided an opportunity for the Proponent to respond to the above concerns. The following is a summary of the Proponent's response:

- In response to comments received during the review period, the Proponent committed to revising and updating several project plans and mitigation measures.
- With respect to wildlife, the Proponent indicated that the Wildlife Monitoring and Mitigation Plan will be updated to clarify observation-based mitigation thresholds, seasonal timing (including pre-calving and calving periods), monitoring responsibilities, and the application of KIA Mobile Caribou Conservation Measures. The Proponent committed to implementing adaptive mitigation measures where caribou are observed, including modification, suspension, or relocation of activities where practicable. Engagement of local wildlife monitors through the Arviat Hunters and Trappers Organization (HTO) was also identified.
- Regarding environmental protection, the Proponent committed to revising the Fuel Spill Contingency Plan to clarify fuel storage practices, secondary containment, spill kit locations, spill response procedures, and contaminated material handling. The Proponent also confirmed site-specific considerations (terrain, drainage, permafrost, wastewater management) will be incorporated into operational planning once final locations are confirmed.
- In response to archaeological concerns, the Proponent committed to avoiding known or suspected sites, implementing chance-find procedures, conducting desktop reviews, and undertaking archaeological field assessments prior to ground disturbance where required.
- The Proponent acknowledged concerns related to cumulative effects and caribou sensitivity during migration and calving periods, and indicated that mitigation measures would be implemented adaptively, with continued engagement with Indigenous organizations and local communities. The Proponent also committed to improved engagement with the Athabasca Denesúliné moving forward.
- The Proponent noted receipt of a letter of support from the Hamlet of Arviat.

In determining whether a review of the project is required, the Board considered whether the project proposal had potential to result in significant ecosystemic or socio-economic impacts. The Board took particular care to consider Inuit Qaujimaningit, Indigenous and Community Knowledge in carrying out its assessment and determination of the significance of impacts.

Table 3: Summary of the Board’s Assessment of Factors s. 90 *NuPPAA*

Factor	Comment
<p>The size of the geographic area, including the size of wildlife habitats, likely to be affected by the impacts.</p>	<ul style="list-style-type: none"> ▪ The proposed Project consists of early-stage mineral exploration activities, including temporary camp infrastructure, localized drilling sites, helicopter-supported access, and limited ground-based surveys. The direct physical footprint is expected to be small and dispersed. ▪ However, the Project occurs within the broader seasonal range of wildlife species, including migratory birds, Arctic mammals, and the Beverly Qamanirjuaq caribou herd. While ground disturbance would be localized, indirect effects such as aircraft noise and human presence may extend beyond the immediate footprint during active operations.
<p>The ecosystemic sensitivity of that area.</p>	<ul style="list-style-type: none"> ▪ The Project is situated within a northern ecosystem characterized by slow recovery rates and seasonal wildlife use. The area forms part of the seasonal range of the Beverly Qamanirjuaq caribou herd, including areas associated with migration and calving periods. ▪ Although no site-specific sensitive features were identified within the immediate footprint, the broader ecological context is considered sensitive due to seasonal wildlife movements and overlapping exploration activity in the region. Activities occurring during sensitive wildlife periods may result in greater ecological effects and therefore require enhanced mitigation.
<p>The historical, cultural and archaeological significance of that area.</p>	<ul style="list-style-type: none"> ▪ The Project area lies within a landscape historically used for harvesting, travel, and cultural practices. While no confirmed archaeological sites have been identified within the immediate footprint, the region exhibits characteristics consistent with archaeological potential, particularly in proximity to waterbodies and travel corridors.

Factor	Comment
	<ul style="list-style-type: none"> ▪ Ground-disturbing activities such as drilling and camp establishment introduce the potential for interaction with unrecorded sites, necessitating precautionary measures.
<p>The size of the human and the animal populations likely to be affected by the impacts.</p>	<ul style="list-style-type: none"> ▪ The Project is located in a remote area without permanent settlements within the immediate footprint. Potential effects to human populations are indirect and relate primarily to harvesting activities within the broader caribou range. ▪ Wildlife species potentially affected include caribou and other mammals sensitive to disturbance. Effects to wildlife are expected to be temporary and localized; however, disturbance during migration and calving periods may have greater ecological relevance.
<p>The nature, magnitude and complexity of the impacts; the probability of the impacts occurring; the frequency and duration of the impacts; and the reversibility or irreversibility of the impacts.</p>	<ul style="list-style-type: none"> ▪ The primary potential impacts are associated with temporary disturbance resulting from aircraft activity, drilling operations, camp presence, and localized ground travel. The magnitude of direct habitat alteration is expected to be low and spatially limited; however, indirect disturbance effects (e.g., noise and human presence) may extend beyond the immediate project footprint. ▪ The probability of wildlife disturbance is higher during sensitive seasonal periods, particularly migration and calving, if activities overlap spatially and temporally with wildlife presence. ▪ Impacts would occur intermittently during active field seasons and are anticipated to be short-term in duration. Progressive reclamation measures reduce the likelihood of long-term physical alteration. ▪ Most potential effects are considered reversible following demobilization and site restoration; however, repeated seasonal disturbance within the broader region may contribute to cumulative behavioural effects over time.
<p>The cumulative impacts that could result from the impacts of the project combined with those of any other project that has been carried out, is being carried out or is likely to be carried out.</p>	<ul style="list-style-type: none"> ▪ Table 4 identifies numerous past, present, and reasonably foreseeable mineral exploration projects within the broader region. While the Hook Lake Project individually represents a temporary and limited disturbance, it occurs within an active exploration landscape. The cumulative effect of multiple seasonal exploration programs, including aircraft activity, drilling operations, camps, and winter access routes, may increase the frequency and

Factor	Comment
	<p>spatial extent of disturbance within the Beverly Qamanirjuaq caribou range over time.</p> <ul style="list-style-type: none"> ▪ Incremental disturbance from multiple projects operating within overlapping migration routes and seasonal habitats may contribute to cumulative behavioural effects on wildlife. Accordingly, cumulative effects remain a relevant consideration in assessing the overall significance of impacts.
<p>Any other factor that the Board considers relevant to the assessment of the significance of impacts.</p>	<ul style="list-style-type: none"> ▪ The Project is proposed as a limited-duration exploration program. Disturbance is expected to occur only during the active field season and is anticipated to be temporary and localized, subject to implementation of required reclamation measures. ▪ The northern ecosystem is characterized by slow vegetation recovery rates and limited soil stability, which may prolong recovery in disturbed areas. ▪ Climate variability, including changing freeze thaw cycles and permafrost conditions, may influence the effectiveness of reclamation and spill containment measures. ▪ The Project occurs within a region of ongoing mineral exploration activity, increasing the importance of coordinated mitigation and regional monitoring. ▪ Engagement with Indigenous organizations and incorporation of Inuit Qaujimaningit and Indigenous Knowledge remain important considerations in project planning and adaptive management. ▪ The effectiveness of mitigation measures would depend on implementation, monitoring, and adaptive response during operations. ▪ Access routes (including potential winter trails) may introduce indirect effects such as increased accessibility to previously undisturbed areas.

Regulatory Requirements

The Proponent is also advised that the following legislation may apply to the Project:

Acts and Regulations

1. The *Fisheries Act* (<http://laws-lois.justice.gc.ca/eng/acts/F-14/index.html>).
2. The *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (<http://laws-lois.justice.gc.ca/eng/acts/n-28.8/>).
3. The *Migratory Birds Convention Act* (<http://laws-lois.justice.gc.ca/eng/acts/M-7.01/>), the *Migratory Birds Regulations* (https://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1035/index.html) and the *Migratory Bird*

Sanctuary Regulations (https://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1036/index.html)

4. The *Species at Risk Act* (<https://laws-lois.justice.gc.ca/eng/acts/s-15.3/>). Attached in **Appendix A** is a list of Species at Risk in Nunavut.
5. The *Nunavut Act* (<http://laws-lois.justice.gc.ca/eng/acts/N-28.6/>). The Proponent must comply with the proposed terms and conditions listed in the attached **Appendix B**.
6. The *Wildlife Act (Nunavut)* and its corresponding regulations (<http://www.canlii.org/en/nu/laws/stat/snu-2003-c-26/latest/snu-2003-c-26.html>).
7. The *Transportation of Dangerous Goods Act* (<http://laws-lois.justice.gc.ca/eng/acts/t-19.01/>) and the *Transportation of Dangerous Goods Regulations* (<http://www.tc.gc.ca/eng/tdg/clear-tofc-211.htm>).
8. The *Canadian Environmental Protection Act* (<http://laws-lois.justice.gc.ca/eng/acts/C-15.31/>).
9. The *Storage Tank System for Petroleum Products and Allied Petroleum Products Regulations* (<http://laws-lois.justice.gc.ca/eng/regulations/SOR-2008-197/FullText.html>). The Proponent must identify their tank system to Environment and Climate Change Canada and installation of new systems must comply with the regulations' design requirements.

Other Applicable Guidelines

10. Environmental Guidelines for the Management of Hazardous Waste, Government of Nunavut, Revised October 2010 (https://www.gov.nu.ca/sites/default/files/Guideline%20-%20General%20Management%20of%20Hazardous%20Waste%20%28revised%20Oct%202010%29_0.pdf).

Table 4: Past, Present, and Reasonably Foreseeable Projects Considered

NIRB Number	Project	Project Title	Project Type
<i>Proposed Developments – undergoing assessment</i>			
26EN006		Victory Lake	Mineral Exploration
26EN012		Cache Zone 2026	Mineral Exploration
25EN084		Angilak Property	Mineral Exploration
<i>Present Projects – approved or in operation</i>			
25EN025		Nut Lake Project	Mineral Exploration
25RN083		Aberdeen Lake-Pelly Lake Overland Haul	Winter Road / Winter Trail
<i>Past Projects</i>			
11EN046		Marce Claims Exploration	Mineral Exploration
07EN046		North Thelon Joint Venture	Mineral Exploration
07EN057		Schultz Lake Campsite and Exploration	Mineral Exploration
08EN015		Turqavik – Aberdeen Project	Mineral Exploration
16EN035		Huckleberry Claim	Mineral Exploration
16EN049		Tagak	Mineral Exploration
18EN033		Tugak Gold Project	Mineral Exploration
17EN044		Witch Lake Claim Staking	Mineral Exploration

NIRB Number	Project	Project Title	Project Type
17EA020		Meadowbank Precious Metal Property	Mineral Exploration
22EN032		Nunavut Uranium Project	Mineral Exploration
24EN052		Thelon Property	Mineral Exploration
21EN009		Turquetil-Esker Drilling Program	Mineral Exploration
24EN039		Yath Property	Mineral Exploration

VIEWS OF THE BOARD

In considering the above factors, the Board has identified the following and respectfully provides its views regarding whether or not the proposed project has the potential to result in significant impacts. The NIRB has also proposed terms and conditions that would mitigate the potential adverse impacts identified.

Ecosystem, wildlife habitat and harvesting activities:

Valued Component	Wildlife and Wildlife Habitat (emphasis on Caribou)
Potential effects:	Project activities including aircraft operations, drilling, camp presence, and ground travel may result in temporary disturbance and displacement of wildlife from feeding, resting, migration, and calving areas.
Nature of Impacts:	Direct habitat alteration is expected to be limited and localized; however, indirect disturbance from aircraft noise and human presence may extend beyond the immediate project footprint. The Project occurs within the seasonal range of the Beverly Qamanirjuaq caribou herd, including areas used during migration and calving. Disturbance during these sensitive periods may have elevated ecological relevance. While impacts are anticipated to be temporary and reversible at the project scale, cumulative disturbance associated with multiple exploration projects in the region remains a relevant consideration.
Mitigating Factors:	Mitigation of wildlife disturbance is addressed through recommended terms and conditions requiring adherence to wildlife protection measures, seasonal restrictions, aircraft flight altitude and routing controls, mobile caribou conservation measures, and suspension of activities where caribou or muskox are present within defined distances. Additional measures include speed controls, wildlife right-of-way provisions, and avoidance of known migration routes and water crossings. Monitoring and reporting requirements further support adaptive response during operations.
Proposed Terms and Conditions:	Air Quality – 22 and 23 Noise – 24 Wildlife – General – 25 through 30 Migratory Birds – 31 and 32 Aircraft Flight Restrictions – 33 through 38 Caribou and Muskoxen Disturbance – 39 through 45

Valued Component	Wildlife and Wildlife Habitat (emphasis on Caribou)
	Drilling – General – 47 and 48 Camps – 57 and 58

Valued Component	Terrestrial Vegetation and Soils
Potential effects:	Localized disturbance to tundra vegetation, surface soils, and minor wetlands may occur due to foot traffic, sampling, drilling, and temporary camp establishment.
Nature of Impacts:	Impacts are expected to be spatially limited; however, Arctic tundra ecosystems are characterized by slow recovery rates and shallow active layers, which may prolong regeneration following disturbance. Soil compaction and erosion may reduce habitat quality at a localized scale. Impacts are anticipated to be reversible with reclamation, though recovery may extend beyond a single season.
Mitigating Factors:	Potential disturbance to tundra vegetation and soils is addressed through limitations on the project footprint, progressive site reclamation, restrictions on camp placement, and requirements to prevent erosion and sediment transport. Fuel handling and waste management measures reduce the risk of contamination to terrestrial environments.
Proposed Terms and Conditions:	Wildlife – General – 25 Water courses/Water bodies – 8 Drilling – General – 47 through 49 Drilling on Land – 50 through 54 Camps – 57 and 58 Waste Management – 10 and 11 Fuel and Chemical Storage – 12 through 21

Valued Component	Freshwater Ecosystems
Potential effects:	Potential effects to freshwater ecosystems are primarily associated with sediment mobilization or the unintended release of fuel or drilling-related substances in areas adjacent to lakes, streams, or wetlands.
Nature of Impacts:	Northern freshwater systems are sensitive to physical disturbance and contamination. While no direct in-water works are proposed, proximity of drilling and camp activities introduces a low-probability risk of deleterious substance release. With adherence to regulatory requirements, impacts are expected to be localized and temporary; however, spill events could result in more consequential effects.
Mitigating Factors:	Risks to freshwater ecosystems are addressed through required setbacks from water bodies, prohibition of deleterious substance release, erosion and sediment control measures, containment of drilling wastes, and spill response planning. Restrictions on water withdrawal and ice drilling practices further reduce potential interaction with aquatic environments.
Proposed Terms and Conditions:	Water Courses / Water Bodies – 6 through 9 Drilling – General – 47 and 48 Drilling on Land – 50 through 54 Drilling on Ice – 55 and 56

Valued Component	Freshwater Ecosystems
	Waste Management – 10 and 11 Fuel and Chemical Storage – 12 through 21

Valued Component	Harvesting and Land Use
Potential effects:	Exploration activities may temporarily overlap with harvesting areas or travel routes and may contribute to perceived or actual wildlife displacement.
Nature of Impacts:	Impacts are expected to be localized and temporary; however, harvesting activities are closely tied to seasonal wildlife movements. Disturbance during sensitive periods may indirectly affect harvesting success. Cumulative regional exploration activity may influence broader harvesting patterns over time.
Mitigating Factors:	Potential interaction with harvesting activities is addressed through wildlife disturbance restrictions, seasonal activity limitations, consultation with local organizations, and requirements that project activities not interfere with traditional land use. Communication measures are intended to reduce access conflicts during active operations.
Proposed Terms and Conditions:	Wildlife – General – 25 through 30 Caribou and Musko xen Disturbance – 39 through 45 Aircraft Flight Restrictions – 33 through 38 Other – 66 through 67

Socio-economic effects on northerners:

Valued Component	Archaeological and Cultural Resources
Potential effects:	Ground-disturbing activities may encounter previously unidentified archaeological or culturally significant sites.
Nature of Impacts:	Although no recorded archaeological or cultural sites have been identified within the immediate project footprint, the potential for previously unidentified sites cannot be ruled out. Disturbance to such resources would be irreversible and culturally significant. Accordingly, precautionary avoidance and reporting measures are necessary.
Mitigating Factors:	Protection of heritage resources is addressed through required avoidance buffers, reporting procedures, and suspension of activities if archaeological or paleontological materials are encountered. Personnel awareness requirements reduce the likelihood of inadvertent disturbance.
Proposed Terms and Conditions:	Heritage Sites – 63 through 65 Other (Community Engagement and IQ) – 66

Valued Component	Socio-Economic Conditions
Potential effects:	The Project may generate short-term employment and contracting opportunities during field operations. Economic benefits may include

Valued Component	Socio-Economic Conditions
	limited wages, service contracts, and procurement of local goods and services.
Nature of Impacts:	Socio-economic effects are expected to be localized and temporary due to the limited duration and small workforce associated with early-stage exploration. Positive employment benefits are anticipated to be modest in magnitude and not broadly distributed. Given the remote location and temporary nature of activities, adverse socio-economic effects are expected to be minimal.
Mitigating Factors:	The Board has recommended measures encouraging continued engagement with local communities and consideration of local employment and contracting opportunities where feasible. Communication requirements are intended to support transparency regarding project activities and timing.
Proposed Terms and Conditions:	General – 1 through 5 Other – 66 through 68

Significant public concern:

Valued Component	Public Concern
Potential effects:	Public concern relates primarily to wildlife protection, cumulative exploration pressure, and respect for harvesting rights.
Nature of Impacts:	Public concern appears precautionary in nature and reflects broader regional development activity rather than solely the footprint of the Project. Continued engagement and compliance with regulatory requirements are relevant to addressing these concerns.
Mitigating Factors:	Public concern is addressed through continued engagement, adherence to wildlife protection measures, implementation of seasonal restrictions, and compliance with applicable regulatory requirements. Reporting obligations and communication with affected communities support transparency throughout the exploration program.
Proposed Terms and Conditions:	General – 1 through 5 Wildlife – 25 through 30 Fuel and Chemical Storage – 12 through 21 Other – 66 through 68

Technological innovations for which the effects are unknown:

- No specific issues have been identified associated with this project proposal.

Administrative Conditions:

To encourage compliance with applicable regulatory requirements and assist the Board and responsible authorities with compliance and effects monitoring for project activities, the following project-specific terms and conditions have been recommended: 1-5.

In considering the above factors and subject to the Proponent's compliance with regulatory requirements and the terms and conditions necessary to mitigate against the potential adverse environmental and social effects, the Board is of the view that the proposed project is unlikely to cause significant public concern and its adverse ecosystemic and socioeconomic impacts are unlikely to be significant, or are highly predictable and can be adequately mitigated by known technologies.

RECOMMENDED PROJECT-SPECIFIC TERMS AND CONDITIONS

The Board is recommending the following specific terms and conditions apply to the project:

General

1. 6106 Resources Ltd (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times and make it accessible to enforcement officers upon request.
2. The Proponent shall operate in accordance with all commitments stated in correspondence provided to the Nunavut Planning Commission (NPC File No :150937), and the NIRB (Online Application Form, December 13, 2025; additional information, December 18, 2025). This information should be accessible to enforcement officers upon request.
3. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.
4. The Proponent shall ensure that it meets the standards and/or limits as set out in the authorizing agencies' permits or licences as required for this project.
5. The Proponent shall ensure that all personnel, staff and contractors are adequately trained prior to commencement of all project activities, and shall be made aware of all operational plans, management plans, guidelines and Proponent commitments relating to the project.

Water courses/Water bodies (including fresh and marine waters)

6. The Proponent shall not extract water from any fish-bearing water body unless the water intake hose is equipped with a screen of appropriate mesh size to ensure that there is no entrapment of fish. Small lakes or streams should not be used for water withdrawal unless otherwise authorized by the appropriate authorizing agency.
7. The Proponent shall ensure that no disturbance of the stream bed, lakebed or the banks of any definable watercourse be permitted, except where deemed necessary for maintaining project-specific operational commitments or approved by a responsible authority in cases of spill management.
8. The Proponent shall implement erosion and sediment suppression measures on all areas during all project activities in order to prevent sediment or fugitive dust from entering any water body or surrounding environment. Erosion prevention measures may include berms or silt fences.
9. The Proponent shall not deposit, nor permit the deposit of any fuel, chemicals, wastes (including wastewater) or sediment into any water body. The Proponent should have in place an Emergency Spill Response Plan that is approved by the appropriate authorizing agency(ies).

Waste Management

10. The Proponent shall manage all hazardous and non-hazardous waste including food, domestic wastes, debris and petroleum-based chemicals (e.g., greases, gasoline, glycol-based antifreeze) in such a manner to avoid release into the environment and access to wildlife at all times until disposed of appropriately or at an approved facility.
11. The Proponent shall incinerate all combustible wastes as needed and dispose of as required by the appropriate authorizing agencies. All non-combustible wastes from the project site shall be removed to an approved facility for disposal.

Fuel and Chemical Storage

12. The Proponent shall locate all fuel and other hazardous materials a minimum distance away from the high-water mark of any water body and environmentally sensitive areas as required by the appropriate authorizing agencies. The materials shall be stored in such a manner as to prevent their release into the environment.
13. The Proponent shall use adequate secondary containment or a surface liner (e.g., self-supporting insta-berms and fold-a-tanks) when storing barreled fuel and chemicals at all locations.
14. The Proponent shall ensure that re-fuelling of all equipment occurs a minimum distance away from the high-water mark of any water body as required by the appropriate authorizing agencies.
15. Fuel and hazardous material storage areas and fuel lines should be clearly marked with signs or flagging to avoid accidental breaks and punctures, and to ensure areas remain visible during the winter months.
16. All fuel and chemical storage containers must be clearly marked with the Proponent's name for ease of identification.
17. The Proponent shall routinely inspect and document the conditions of fuel and hazardous material storage containers and containment areas as required by the appropriate authorizing agencies. Fuel containment areas shall be kept clear of debris, water and snow to facilitate inspections for leaks.
18. The Proponent shall have a Spill Contingency Plan in place at all fuel storage or transfer locations and shall ensure that appropriate spill response equipment and clean-up materials (e.g., shovels, pumps, barrels, drip pans, and absorbents) are readily available.
19. The Proponent shall follow the authorizing agencies' direction for management and removal of hazardous materials and wastes (e.g., contaminated soils, sediment and waste oil).
20. The Proponent shall ensure that wildlife deterrent systems are utilized at the time of a spill incident in order to avoid wildlife (terrestrial or marine) and migratory birds from being contaminated.
21. The Proponent shall ensure that all spills of fuel or other deleterious materials of 100 litres or more must be reported immediately to the 24-hour Spill Line at (867) 920-8130

Air Quality

22. The Proponent shall take appropriate dust suppression measures in conducting all activities for this Project including using approved dust suppression additives and techniques as necessary to maintain ambient air quality.
23. The Proponent shall eliminate unnecessary idling to reduce greenhouse gas emissions as much as possible.

Noise

24. All construction and road vehicles must be fitted with standard and well-maintained noise suppression devices.

Wildlife – General

25. The Proponent shall not substantially alter or damage or destroy any wildlife habitat in conducting this operation unless otherwise authorized by the appropriate authorizing agencies.
26. The Proponent shall not chase, weary, harass or molest wildlife. This includes persistently circling, chasing, hovering over, pursuing or in any other way harass wildlife, or disturbing large groups of animals.
27. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
28. The Proponent shall ensure that all wildlife have the right-of-way on any roads or trails. Vehicles are required to slow down or stop and wait to permit the free and unrestricted movement of wildlife across roads or trails at any location.
29. The Proponent shall enforce safe speed limits for vehicles travelling along the road to ensure drivers have sufficient time to react in a safe manner if wildlife is encountered on or adjacent to the road or trail.
30. The Proponent shall ensure that drivers maintain spacing appropriate for driving and road conditions, and speed limits, to ensure drivers have time to safely react to any wildlife on the road.

Migratory Birds and Raptors Disturbance

31. The Proponent shall carry out all phases of the project in a manner that protects migratory birds and avoids harming, killing or disturbing migratory birds or destroying, disturbing or taking their nests or eggs. In this regard, the Proponent shall take into account Environment and Climate Change Canada's Avoidance Guidelines. The Proponent's actions in applying the Avoidance Guidelines shall be in compliance with the Migratory Birds Convention Act, 1994 and with the Species at Risk Act.
32. The Proponent shall not disturb or destroy the nests or eggs of any birds. If active nests of any birds are discovered or located (i.e., with eggs or young), the Proponent shall avoid these areas until nesting is complete and the young have naturally left the vicinity of the nest by establishing a protection buffer zone appropriate for the species and the surrounding habitat.

Aircraft Flight Restrictions

33. The Proponent shall not alter flight paths to approach wildlife and avoid flying directly over animals.
34. The Proponent shall plan flight paths that minimize flights over known habitat likely to have birds or concentrations of wildlife. Aircraft should avoid critical and sensitive wildlife areas at all times by choosing alternate flight corridors.
35. The Proponent shall restrict aircraft/helicopter activity related to the project to a minimum flight altitude of 610 metres (2,100 ft) above ground level except during landing, take-off or if there is a specific requirement for low-level flying, which does not disturb wildlife or migratory birds.
36. The Proponent shall avoid known concentrations of birds (e.g., bird colonies, moulting areas) by a lateral distance of 1.5 kilometre. If avoidance is not possible maintain a minimum flight altitude of 1,100 metres (3,500 feet) over these areas.
37. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife is present.
38. The Proponent shall advise all pilots of relevant flight restrictions and enforce their application over the project area, including flight paths to/from the project area.

Caribou and Muskoxen Disturbance

39. The Proponent shall avoid interfering with any paths or crossings known to be frequented by caribou during periods of migration as identified by current land use plans in place and/or by Inuit Qaujimaningit.
40. The Proponent shall not locate any operation or undertake activities that could block or cause any diversion to migration of caribou or muskoxen.
41. The Proponent shall implement mobile caribou conservation measures and immediately cease activities that may interfere with the migration or calving of caribou or muskox, until the caribou or muskox have passed.
42. The Proponent shall not construct or operate any camp, cache any fuel or conduct blasting within ten (10) kilometres, or conduct any drilling operation within five (5) kilometres of any designated caribou water crossings.
43. During the period of May 15 to July 15, the Proponent shall suspend all operations and activities outside the immediate vicinity of the camps. Restricted activities include, but are not limited to, air and vehicle traffic, loud or repetitive noise or vibration disturbances, low-level over flights, blasting, and use of mobile equipment including snowmobiles and all terrain vehicles, and personnel walking within sight of the caribou group(s), until the caribou are no longer in the immediate area. Should the results of localized monitoring satisfy the land use inspector the project operations may resume without disturbing pregnant caribou cows or cows with young calves the suspension may be lifted for the periods specified.
44. Should pregnant caribou cows, cows with young calves, or groups of 50 or more caribou be observed within one (1) kilometer of project operations at any time, the Proponent shall suspend all operations in the vicinity, including low level overflights, drilling,

blasting/trenching, and use of snowmobiles and all terrain vehicles outside the immediate vicinity of the camp, until caribou are no longer in the immediate area.

45. During the period of April 14 to June 1 when muskoxen are present, the Proponent shall not approach muskoxen closer than one (1) kilometer. This includes all operations, including low-level over flights, blasting, and use of snowmobiles and all-terrain vehicles outside the immediate vicinity of the camps.

Road and Ground Disturbance

46. The Proponent shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging. Overland travel of equipment or vehicles must be suspended if rutting occurs.

Drilling – General

47. The Proponent shall not allow any drilling wastes to spread to the surrounding lands or water bodies.
48. The Proponent shall ensure that that any deleterious substances (as defined in the *Fisheries Act*) resulting from its activities do not enter into any water bodies frequented by fish.
49. The Proponent shall ensure that all drill areas are constructed to facilitate minimizing the environmental footprint of the project area.

Drilling on Land

50. The Proponent shall not conduct any land-based drilling or mechanized clearing activities a minimum distance of the normal high-water mark of any water body as required by an authorizing agency.
51. If an artesian flow is encountered, the Proponent shall ensure the drill hole is immediately plugged and permanently sealed.
52. The Proponent shall ensure that all sump/depression capacities are sufficient to accommodate the volume of wastewater and any fines that are produced. The sumps shall only be used for inert drilling fluids, and not any other materials or substances.
53. The Proponent shall not locate any sumps within a minimum distance of the normal high-water mark of any water body as required by an authorizing agency.
54. The Proponent shall ensure all drill holes are backfilled or capped prior to the end of each field season. All sumps must be backfilled and restored to original or stable profile prior to the end of each field season.

Drilling on Ice

55. The Proponent shall ensure that drill muds and additives are not used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the water body, or are demonstrated to be non-toxic.
56. The Proponent shall ensure that all drill cuttings are removed from ice surfaces daily.

Camps

57. The Proponent shall ensure that all camps are located durable surfaces, such as gravel or sand that is consolidated and can withstand repeated, heavy use. Measures shall be put in place to prevent erosion, trail formation and damage to the ground.
58. The Proponent shall not erect camps or store materials on the surface ice of lakes or streams, except that which is for immediate use.

Land Use and Restoration of Disturbed Areas

59. The Proponent shall ensure that the land use area is kept clean and tidy at all times.
60. The Proponent shall avoid disturbance on slopes prone to natural erosion, and alternative locations shall be utilized.
61. The Proponent shall remove all garbage, fuel and equipment at the end of each field season and/or upon completion of work and/or upon abandonment.
62. The Proponent shall ensure that all disturbed areas are restored to a stable or pre-disturbed state using Best Available Technology Economically Achievable (BATEA) upon completion of work and/or abandonment.

Heritage Sites

63. The Proponent shall ensure that archaeological and paleontological sites are not purposely or inadvertently disturbed by clients or staff as a result of project activities.
64. The Proponent shall ensure that all clients and staff are aware of the Proponent's responsibilities and requirements regarding archaeological or palaeontological sites that are encountered during land-based activities. This should include briefings explaining the prohibitions regarding removal of artifacts, and defacing or writing on rocks and infrastructure.
65. No activities shall be conducted in the vicinity (50 metres buffer zone) of any archaeological/historical sites. If archaeological sites or features are encountered, activities shall immediately be interrupted and moved away from this location. Each site encountered needs to be recorded and reported to the Government of Nunavut-Department of Culture and Heritage.

Other

66. The Proponent should engage with local residents regarding planned activities in the area and should solicit available Inuit Qaujimaningit or Indigenous Knowledge and information regarding current recreational and traditional usage of the project area which may inform project activities. Posting of translated public notices and direct engagement with potentially interested groups and individuals prior to undertaking project activities is strongly encouraged.
67. The Proponent shall ensure that project activities do not interfere with wildlife harvesting or traditional land use activities.
68. The Proponent should, to the extent possible, hire local people and access local services where possible.

In addition, the Board is recommending the following:

Wildlife Mitigation and Monitoring Plan

1. Prior to the start of project activities, the Proponent shall submit an updated Wildlife Mitigation and Monitoring Plan (WMMP) to the Nunavut Impact Review Board, Government of Nunavut Department of Environment, Athabasca Denesųliné NÉNé Land Corporation, Beverly and Qamanirjuaq Caribou Management Board and Ghotelnene K'odtineh Dene. At a minimum, this plan should include proposed template for a wildlife log/record of observations and proposed mitigation measures for caribou, migratory birds, grizzly bear and other sensitive species that may be encountered within the project area. The Proponent is encouraged to consult with the Government of Nunavut's Regional Biologists during the revision of the WMMP, regarding project schedule and timelines so as to ensure adequate mitigation of potential wildlife impacts.

Community Consultation Report

2. The Proponent shall submit a public consultation report prior to the commencement of project activities. The report shall include a copy of materials presented to community members, a description of issues and concerns raised, and advice offered to the company as well as any follow-up actions that were required or taken to resolve any concerns expressed about the project proposal.

Annual Report

3. The Proponent shall submit a comprehensive annual report with copies provided to the Nunavut Impact Review Board, Government of Nunavut Department of Environment, Athabasca Denesųliné NÉNé Land Corporation, Beverly and Qamanirjuaq Caribou Management Board and Ghotelnene K'odtineh Dene, by March 31st of each year of permitted activities beginning March 31, 2027. The annual report must contain at least the following information:
 - a. A summary of activities undertaken for the year, including:
 - a map showing the approximate location of drill sites;
 - a map showing the location of the fuel cache;
 - a description of local hires, contracting opportunities and initiatives;
 - flight altitudes, frequency of flights and anticipated flight routes;
 - site photos;
 - b. A work plan for the following year, including any progressive reclamation work undertaken;
 - c. A summary of community consultations undertaken throughout the year, providing copy of materials presented to community members, a description of issues and concerns raised, discussions with community members and advice offered to the company as well as any follow-up actions that were required or taken to resolve any concerns expressed about the project proposal;

- d. A log of instances in which community residents occupy or transit through the project area for the purpose of traditional land use or harvesting. This log should include the location and number of people encountered, activity being undertaken (e.g., berry picking, fishing, hunting, camping, etc.), date and time; and any mitigation measures or adaptive management undertaken to prevent disturbance;
- e. A discussion of issues related to wildlife and environmental monitoring, including the number of cease-work orders required as a result of proximity to caribou and any other wildlife;
- f. A brief summary of WMMP results as well as any mitigation actions that were undertaken. In addition, the Proponent shall maintain a record of wildlife observations while operating within the project area and include it as part of the summary report. The summary report based on wildlife observations should include the following:
 - 1. Locations (i.e., latitude and longitude), species, number of animals, a description of the animal activity, and a description of the gender and age of animals if possible.
 - 2. Prior to conducting project activities, the Proponent should map the location of any sensitive wildlife sites such as denning sites, calving areas, caribou crossing sites, and raptor nests in the project area, and identify the timing of critical life history events (i.e., calving, mating, denning and nesting).
 - 3. Additionally, the Proponent should indicate potential impacts from the project, and ensure that operational activities are managed and modified to avoid impacts on wildlife and sensitive sites.
- g. An analysis of the effectiveness of mitigation measures for wildlife;
- h. Summary of any heritage sites encountered during the exploration activities, any follow-up action or reporting required as a result and how project activities were modified to mitigate impacts on the heritage sites;
- i. Summary of its knowledge of traditional land use in/near the project area and explain how project activities were modified to mitigate impacts on traditional land use; and
- j. A summary of how the Proponent has complied with conditions contained within this Screening Decision, and all conditions as required by other authorizations associated with the project proposal.

Spill Contingency Plan

- 4. The Proponent shall update its Spill Contingency Plan and submit a copy to the NIRB prior to commencement of project activities. The revision should update emergency contact numbers for the Government of Nunavut-Department of Environment, Manager of Environmental Protection (867-975-7748) and Environment and Climate Change Canada, Enforcement Branch (867-975-4644). The Proponent shall also revise the Spill Contingency Plan to address clarification of storage practices, containment measures, spill response procedures, and reporting protocols, as applicable and reflect current operational details and applicable regulatory requirements.
- 5. The Proponent shall implement the recommendations found in the 2003 CCME Guidance Document PN 1326 entitled “*Environmental Code of Practice for Above Ground and*

Underground Storage Tank Systems containing Petroleum Product and Allied Petroleum Products”.

OTHER NIRB CONCERNS AND RECOMMENDATIONS

In addition to the project-specific terms and conditions, the Board is recommending the following:

Change in Project Scope

1. Responsible authorities or Proponent shall notify the Nunavut Planning Commission and/or Parks Canada as appropriate, and the NIRB of any changes in operating plans or conditions, including phase advancement, associated with this project prior to any such change.

Copy of licences, etc. to the Board and Commission

2. The NIRB respectfully requests that responsible authorities submit a copy of each licence, permit or other authorization issued for the Project to the NIRB to assist in enabling possible project monitoring that may be required. Please forward a copy of the licences, permits and/or other authorizations to the NIRB directly at info@nirb.ca or upload a copy to the NIRB’s online registry at www.nirb.ca.

Use of Inuit Qaujimaningit or Indigenous Knowledge

3. The Proponent is encouraged to work with local communities and knowledge holders to inform project design, to carry out the project, and to confirm or validate the perspectives represented in publications, and reports as part of the project. Care should be taken to ensure that Inuit Qaujimaningit and local knowledge collected for the project is used with permission and is accurately represented.

Bear and Carnivore Safety

4. The Proponent should review the Government of Nunavut’s booklet on Bear Safety, which can be downloaded from this link: http://gov.nu.ca/sites/default/files/bear_safety_-_reducing_bear-people_conflicts_in_nunavut.pdf. Further information on bear/carnivore detection and deterrent techniques can be found in the “*Safety in Grizzly and Black Bear Country*” pamphlet, which can be downloaded from this link: https://www.enr.gov.nt.ca/sites/enr/files/resources/safety_in_grizzly_and_black_bear_country_english.pdf.
5. There are polar bear and grizzly bear safety resources available from the Bear Smart Society with videos on polar bear safety available in English, French and Inuktitut at <http://www.bearsmart.com/play/safety-in-polar-bear-country/>. Information can also be obtained from Parks Canada’s website on bear safety at the following link: <http://www.pc.gc.ca/eng/pn-np/nu/quttinirpaaq/visit/visit6/d.aspx> or in reviewing the “*Safety in Polar Bear Country*” pamphlet, which can be downloaded from the following

link: http://www.pc.gc.ca/eng/pn-np/nu/quttinirpaaq/visit/visit6/~media/pn-np/nu/auyuittuq/pdf/shared/PolarBearSafety_English.ashx

6. Any problem wildlife or any interaction with carnivores should be reported immediately to the local Government of Nunavut, Department of Environment Conservation Office (Conservation Officer of Arviat, phone: (867) 857-2976.

Species at Risk

7. The Proponent review Environment and Climate Change Canada's "Environment Assessment Best Practice Guide for Wildlife at Risk in Canada", available at the following link: http://www.sararegistry.gc.ca/virtual_sara/files/policies/EA%20Best%20Practices%202004.pdf. The guide provides information to the Proponent on what is required when Wildlife at Risk, including *Species at Risk*, are encountered or affected by the project

Migratory Birds

8. The Proponent review Canadian Wildlife Services' "Key migratory bird terrestrial habitat sites in the Northwest Territories and Nunavut", available at the following link: <http://publications.gc.ca/site/eng/317630/publication.html> and "Key marine habitat sites for migratory birds in Nunavut and the Northwest Territories", available at the following link: <http://publications.gc.ca/site/eng/392824/publication.html>. The guide provides information to the Proponent on key terrestrial and marine habitat areas that are essential to the welfare of various migratory bird species in Canada.
9. For further information on how to protect migratory birds, their nests and eggs when planning or carrying out project activities, consult Environment and Climate Change Canada's Incidental Take web page and the fact sheet "Planning Ahead to Reduce the Risk of Detrimental Effects to Migratory Birds, and their Nests and Eggs" available at: http://publications.gc.ca/collections/collection_2013/ec/CW66-324-2013-eng.pdf

Heritage Resources

10. During the assessment, the NIRB has identified that no archaeology surveys have been conducted in the proposed project areas and that potential for the presence of archaeological resources is likely, therefore the Proponent shall contact the Department of Culture and Heritage to initiate a field archaeology assessment program prior to undertaking any land disturbance activities.

Incineration of Wastes

11. The Proponent review Environment and Climate Change Canada's "Technical Document for Batch Waste Incineration", available at the following link: <http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1>. The technical document provides information

on appropriate incineration technologies, best management and operational practices, monitoring and reporting.

Transport of Dangerous Goods and Waste Management

12. Environment and Climate Change Canada recommends that all hazardous wastes, including waste oil, receive proper treatment and disposal at an approved facility.
13. The Proponent shall ensure that proper shipping documents (waste manifests, transportation of dangerous goods, etc.) accompany all movements of dangerous goods. Further, the Proponent shall ensure that the shipment of all dangerous goods is registered with the Government of Nunavut Department of Environment, Department of Environment Manager. Contact the Manager (867) 975-7748 to obtain a manifest if dangerous goods including hazardous wastes will be transported.
14. The Proponent shall provide an authorization or letter of conformation of disposal be obtained from the owner/operator of the landfill to be used for disposal of project-related wastes

Aircraft Identification

15. The Proponent shall provide the community of Arviat the planned helicopter activities, including photo(s) of the helicopter to be used, approximate flight paths, plans and times as available prior to commencement of activities to ensure community members are aware of the planned activities.

Winter Roads/Trails

16. If ice bridges are constructed, the Proponent follow the mitigation measures outlined in Fisheries and Oceans Canada's Operational Statement for Ice Bridges, available at the following internet address: <http://www.dfo-mpo.gc.ca/pnw-ppe/fpp-ppp/guide-eng.html>
17. Cutting or filling of crossing approaches below the highwater mark will require prior review and approval by Fisheries and Oceans Canada - Fish Habitat Management Branch.

Caribou Management

18. Territorial and federal government agencies in Nunavut should work together with Regional Inuit Associations, co-management boards and industry to develop an action plan to identify and mitigate potential cumulative effects of human land use activities, including mineral exploration, on barren-ground caribou. This assessment of cumulative effects should occur at a regional scale (i.e., larger than individual project areas).
19. Territorial and federal government agencies update the Caribou Protection Map with updated data and information from the Beverly Qamanirjuaq Caribou Management Board.

20. As a result of expressed concerns regarding mineral exploration and the associated potential for cumulative effects on caribou and caribou habitat within the Kivalliq region, the NPC, territorial and federal government agencies should work together with Regional Inuit Associations, co-management boards, the public, and industry to develop a plan that identifies appropriate land use in these areas prior to potential mineral exploration. The plan should identify and mitigate potential cumulative effects of human land use activities on barren-ground caribou on both localized and regional scales
21. The NPC should be aware of the public concerns regarding a perceived lack of protection for caribou and caribou habitat within the Kivalliq region of Nunavut. In developing a Nunavut-wide land use plan, the NPC may wish to consider formalized protection of important caribou habitat, and seasonal restrictions on potentially disruptive activities in these areas to minimize disturbance to caribou lifecycles and Inuit harvesting activities.


Nunavut Water Board

22. The Nunavut Water Board impose mitigation measures, conditions and monitoring requirements pursuant to the Water Licence, which require the Proponent to respect the sensitivities and importance of water in the area. These mitigation measures, conditions and monitoring requirements should be in regard to use of water, snow and ice; waste disposal; access infrastructure and operation for camps; drilling operations; spill contingency planning; abandonment and restoration planning; and monitoring programs
23. In particular, mitigation measures, conditions and monitoring requirements should be considered for the use of water, snow and ice for the development and maintenance of the winter road/trail for this project.

CONCLUSION

The foregoing constitutes the Board's screening decision with respect to the 6106 Resources Ltd.'s "Hook Lake project". The NIRB remains available for consultation with the Minister regarding this report as necessary.

Dated March 16, 2026 at Iqaluit, NU.



Albert Ehloak, Acting Chairperson

Attachments: Appendix A: Species at Risk in Nunavut
Appendix B: Archaeological and Palaeontological Resources Terms and Conditions for Land Use Permit Holders

APPENDIX A: SPECIES AT RISK IN NUNAVUT

Due to the requirements of Section 79(2) of the *Species at Risk Act*, S.C. 2002, c. 29 (*SARA*), and the potential for project-specific adverse effects on listed wildlife species and its critical habitat, measures should be taken as appropriate to avoid or lessen those effects, and the effects need to be monitored. Project effects could include species disturbance, attraction to operations and destruction of habitat. This section applies to all species listed on Schedule 1 of *SARA*, as listed in the table below, or have been assessed by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), which may be encountered in the project area. This list may not include all species identified as at risk by the Territorial Government. The following points provide clarification on the applicability of the species outlined in the table.

- Schedule 1 is the official legal list of Species at Risk for *SARA*. *SARA* applies to all species on Schedule 1. The term “listed” species refers to species on Schedule 1.
- Schedule 2 and 3 of *SARA* identify species that were designated at risk by the COSEWIC prior to October 1999 and must be reassessed using revised criteria before they can be considered for addition to Schedule 1.
- Some species identified at risk by COSEWIC are “pending” addition to Schedule 1 of *SARA*. These species are under consideration for addition to Schedule 1, subject to further consultation or assessment.

If species at risk are encountered or affected, the primary mitigation measure should be avoidance. The Proponent should avoid contact with or disturbance to each species, its habitat and/or its residence. All direct, indirect, and cumulative effects should be considered. Refer to species status reports and other information on the Species at Risk Registry at <http://www.sararegistry.gc.ca> for information on specific species.

Monitoring should be undertaken by the Proponent to determine the effectiveness of mitigation and/or identify where further mitigation is required. As a minimum, this monitoring should include recording the locations and dates of any observations of Species at Risk, behaviour or actions taken by the animals when project activities were encountered, and any actions taken by the proponent to avoid contact or disturbance to the species, its habitat, and/or its residence. This information should be submitted to the appropriate regulators and organizations with management responsibility for that species, as requested.

For species primarily managed by the Territorial Government, the Territorial Government should be consulted to identify other appropriate mitigation and/or monitoring measures to minimize effects to these species from the project.

Mitigation and monitoring measures must be undertaken in a way that is consistent with applicable recovery strategies and action/management plans.

Schedules of *SARA* are amended on a regular basis, so it is important to check the *SARA* registry (www.sararegistry.gc.ca) to get the current status of a species.

Updated: September 2024

Terrestrial Species at Risk¹	COSEWIC Designation	Schedule of SARA	Government Organization with Primary Management Responsibility²
Buff-breasted Sandpiper	Special Concern	Schedule 1	Environment and Climate Change Canada (ECCC)
Common Nighthawk	Threatened	Schedule 1	ECCC
Eskimo Curlew	Endangered	Schedule 1	ECCC
Harlequin Duck	Special Concern	Schedule 1	ECCC
Harris's Sparrow	Special Concern	Schedule 1	ECCC
Horned Grebe	Special Concern	Schedule 1	ECCC
Ivory Gull	Endangered	Schedule 1	ECCC
Olive-sided Flycatcher	Threatened	Schedule 1	ECCC
Peregrine Falcon	Special Concern	Schedule 1	ECCC
Red Knot Islandica Subspecies	Special Concern	Schedule 1	ECCC
Red-necked Phalarope	Special Concern	Schedule 1	ECCC
Ross's Gull	Threatened	Schedule 1	ECCC
Rusty Blackbird	Special Concern	Schedule 1	ECCC
Short-eared Owl	Special Concern	Schedule 1	ECCC
Porsild's Bryum	Threatened	Schedule 1	Government of Nunavut (GN)
Transverse Lady Beetle	Special Concern	No Schedule	GN
Caribou (Dolphin and Union Population)	Endangered	Schedule 1	GN
Caribou (Barren-ground Population)	Threatened	No Schedule	GN
Caribou (Torngat Mountains Population)	Endangered	No Schedule	GN
Grizzly Bear (Western Population)	Special Concern	Schedule 1	ECCC
Peary Caribou	Endangered	Schedule 1	GN
Polar Bear	Special Concern	Schedule 1	ECCC
Wolverine	Special Concern	Schedule 1	GN
Atlantic Walrus (High Arctic Population)	Special Concern	No Schedule	Fisheries and Oceans Canada (DFO)
Atlantic Walrus (Central/Low Arctic Population)	Special Concern	No Schedule	DFO
Beluga Whale (Cumberland Sound Population)	Threatened	Schedule 1	DFO
Beluga Whale (Eastern Hudson Bay Population)	Endangered	No Schedule	DFO
Beluga Whale (Eastern High Arctic-Baffin Bay Population)	Special Concern	No Schedule	DFO
Beluga Whale (Western Hudson Bay Population)	Special Concern	No Schedule	DFO
Atlantic Cod (Arctic Lakes Population)	Special Concern	No Schedule	DFO
Fourhorn Sculpin (Freshwater Form)	Data Deficient	Schedule 3	DFO
Lumpfish	Threatened	No Schedule	DFO
Thorny Skate	Special Concern	No Schedule	DFO

¹ The Department of Fisheries and Oceans has responsibility for aquatic species.

² Environment and Climate Change Canada (ECCC) has a national role to play in the conservation and recovery of Species at Risk in Canada, as well as responsibility for management of birds described in the Migratory Birds Convention Act (MBCA). Day-to-day management of terrestrial species not covered in the MBCA is the responsibility of the Territorial Government. Populations that exist in National Parks are also managed under the authority of the Parks Canada Agency.

**APPENDIX B: ARCHAEOLOGICAL AND PALAEOLOGICAL RESOURCES TERMS AND
CONDITIONS FOR LAND USE PERMIT HOLDERS**



INTRODUCTION

The Department of Culture and Heritage (CH) routinely reviews land use applications sent to the Nunavut Water Board, Nunavut Impact Review Board and the Indigenous and Northern Affairs Canada. These terms and conditions provide general direction to the permittee/proponent regarding the appropriate actions to be taken to ensure the permittee/proponent carries out its role in the protection of Nunavut’s archaeological and palaeontological resources.

TERMS AND CONDITIONS

- 1) The permittee/proponent shall have a professional archaeologist and/or palaeontologist perform the following **Functions** associated with the **Types of Development** listed below or similar development activities:

	Types of Development (See Guidelines below)	Function (See Guidelines below)
a)	Large scale prospecting	Archaeological/Palaeontological Overview Assessment
b)	Diamond drilling for exploration or geotechnical purpose or planning of linear disturbances	Archaeological/Palaeontological Overview Assessment and/or Inventory and Documentation and/or Mitigation
c)	Construction of linear disturbances, Extractive disturbances, Impounding disturbances and other land disturbance activities	Archaeological/Palaeontological Overview Assessment and/or Inventory and Documentation and/or Mitigation

Note that the above-mentioned functions require either a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit. CH is authorized by way of the *Nunavut and Archaeological and Palaeontological Site Regulations*³ to issue such permits.

³ P.C. 2001-1111 14 June, 2001

- 2) The permittee/proponent shall not operate any vehicle over a known or suspected archaeological or palaeontological site.
- 3) The permittee/proponent shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.
- 4) The permittee/proponent shall immediately contact CH at (867) 934-2046 or (867) 975-5500 should an archaeological site or specimen, or a palaeontological site or fossil, be encountered or disturbed by any land use activity.
- 5) The permittee/proponent shall immediately cease any activity that disturbs an archaeological or palaeontological site encountered during the course of a land use operation until permitted to proceed with the authorization of CH.
- 6) The permittee/proponent shall follow the direction of CH in restoring disturbed archaeological or palaeontological sites to an acceptable condition. If these conditions are attached to either a Class A or B Permit under the Territorial Lands Act Indigenous and Northern Affairs Canada directions will also be followed.
- 7) The permittee/proponent shall provide all information requested by CH concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.
- 8) The permittee/proponent shall make best efforts to ensure that all persons working under its authority are aware of these conditions concerning archaeological sites and artifacts and palaeontological sites and fossils.
- 9) If a list of recorded archaeological and/or palaeontological sites is provided to the permittee/proponent by CH as part of the review of the land use application the permittee/proponent shall avoid the archaeological and/or palaeontological sites listed.
- 10) Should a list of recorded sites be provided to the permittee/proponent, the information is provided solely for the purpose of the proponent's land use activities as described in the land use application, and must otherwise be treated confidentially by the proponent.

Legal Framework

As stated in Article 33 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)*:

Where an application is made for a land use permit in the Nunavut Settlement Area, and there are reasonable grounds to believe that there could be sites of archaeological importance on the lands affected, no land use permit shall be issued without written consent of the Designated Agency. Such consent shall not be unreasonably withheld. [33.5.12]

Each land use permit referred to in Section 33.5.12 shall specify the plans and methods of archeological site protection and restoration to be followed by the permit holder, and any other conditions the Designated Agency may deem fit. [33.5.13]

Palaeontology and Archaeology

Under the *Nunavut Act*⁴, the federal government can make regulations for the protection, care and preservation of palaeontological and archaeological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*⁵, it is illegal to alter or disturb any palaeontological or archaeological site in Nunavut unless permission is first granted through the permitting process.

Definitions

As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*, the following definitions apply:

“archaeological site” means a place where an archaeological artifact is found.

“archaeological artifact” means any tangible evidence of human activity that is more than 50 years old and in respect of which an unbroken chain of possession or regular pattern of usage cannot be demonstrated, and includes a Denesuline archaeological specimen referred to in section 40.4.9 of the Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement).

“palaeontological site” means a site where a fossil is found.

“fossil” includes:

Fossil means the hardened or preserved remains or impression of previously living organisms or vegetation and includes:

- (a) natural casts;*
- (b) preserved tracks, coprolites and plant remains; and*
- (c) the preserved shells and exoskeletons of invertebrates and the preserved eggs, teeth and bones of vertebrates.*

Guidelines for Developers for the Protection of Archaeological Resources in the Nunavut Territory

(Note: Partial document only, complete document at: www.ch.gov.nu.ca/en/Archaeology.aspx)

Introduction

The following guidelines have been formulated to ensure that the impacts of proposed developments upon heritage resources are assessed and mitigated before ground surface altering activities occur. Heritage resources are defined as, but not limited to, archaeological and historical sites, burial grounds, palaeontological sites, historic buildings and cairns. Effective collaboration between the developer, the Department of Culture, and Heritage (CH), and the contract archaeologist(s) will ensure proper preservation of heritage resources in the Nunavut Territory. The roles of each are briefly described.

⁴ s. 51(1)

⁵ P.C. 2001-1111 14 June, 2001

CH is the Nunavut Government agency which oversees the protection and management of heritage resources in Nunavut, in partnership with land claim authorities, regulatory agencies, and the federal government. Its role in mitigating impacts of developments on heritage resources is as follows: to identify the need for an impact assessment and make recommendations to the appropriate regulatory agency; set the terms of reference for the study depending upon the scope of the development; suggest the names of qualified individuals prepared to undertake the study to the developer; issue an archaeologist or palaeontologist permit authorizing field work; assess the completeness of the study and its recommendations; and ensure that the developer complies with the recommendations.

The primary regulatory agencies that CH provides information and assistance to are the Nunavut Impact Review Board, for development activities proposed for Inuit Owned Lands (as defined in Section 1.1.1 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)*), and the Indigenous and Northern Affairs Canada, for development activities proposed for federal Crown Lands.

A developer is the initiator of a land use activity. It is the obligation of the developer to ensure that a qualified archaeologist or palaeontologist is hired to perform the required study and that provisions of the contract with the archaeologist or palaeontologist allow permit requirements to be met; i.e. fieldwork, collections management, artifact and specimen conservation, and report preparation. On the recommendation of the contract archaeologist or palaeontologist in the field and the Government of Nunavut, the developer shall implement avoidance or mitigative measures to protect heritage resources or to salvage the information they contain through excavation, analysis, and report writing. The developer assumes all costs associated with the study in its entirety.

Through his or her active participation and supervision of the study, the contract archaeologist or palaeontologist is accountable for the quality of work undertaken and the quality of the report produced. Facilities to conduct fieldwork, analysis, and report preparation should be available to this individual through institutional, agency, or company affiliations. Responsibility for the curation of objects recovered during field work while under study and for documents generated in the course of the study as well as remittance of artifacts, specimens and documents to the repository specified on the permit accrue to the contract archaeologist or palaeontologist. This individual is also bound by the legal requirements of the *Nunavut Archaeological and Palaeontological Sites Regulations*.

Types of Development

In general, those developments that cause concern for the safety of heritage resources will include one or more of the following kinds of surface disturbances. These categories, in combination, are comprehensive of the major kinds of developments commonly proposed in Nunavut. For any single development proposal, several kinds of these disturbances may be involved

- *Linear disturbances: including the construction of highways, roads, winter roads, transmission lines, and pipelines;*
- *Extractive disturbances: including mining, gravel removal, quarrying, and land filling;*

- *Impoundment disturbances: including dams, reservoirs, and tailings ponds;*
- *Intensive land use disturbances: including industrial, residential, commercial, recreational, and land reclamation work, and use of heritage resources as tourist developments.*
- *Mineral, oil and gas exploration: establishment of camps, temporary airstrips, access routes, well sites, or quarries all have potential for impacting heritage resources.*

Types of Studies Undertaken to Preserve Heritage Resources

Overview: An overview study of heritage resources should be conducted at the same time as the development project is being designed or its feasibility addressed. They usually lack specificity with regard to the exact location(s) and form(s) of impact and involve limited, if any, field surveys. Their main aim is to accumulate, evaluate, and synthesize the existing knowledge of the heritage of the known area of impact. The overview study provides managers with baseline data from which recommendations for future research and forecasts of potential impacts can be made. A Class I Permit is required for this type of study if field surveys are undertaken.

Reconnaissance: This is done to provide a judgmental appraisal of a region sufficient to provide the developer, the consultant, and government managers with recommendations for further development planning. This study may be implemented as a preliminary step to inventory and assessment investigations except in cases where a reconnaissance may indicate a very low or negligible heritage resource potential. Alternately, in the case of small-scale or linear developments, an inventory study may be recommended and obviate the need for a reconnaissance.

The main goal of a reconnaissance study is to provide baseline data for the verification of the presence of potential heritage resources, the determination of impacts to these resources, the generation of terms of reference for further studies and, if required, the advancement of preliminary mitigative and compensatory plans. The results of reconnaissance studies are primarily useful for the selection of alternatives and secondarily as a means of identifying impacts that must be mitigated after the final siting and design of the development project. Depending on the scope of the study, a Class 1 or Class 2 Permit is required for this type of investigation.

Inventory: A resource inventory is generally conducted at that stage in a project's development at which the geographical area(s) likely to sustain direct, indirect, and perceived impacts can be well defined. This requires systematic and intensive fieldwork to ascertain the effects of all possible and alternate construction components on heritage resources. All heritage sites must be recorded on Government of Nunavut Site Survey forms. Sufficient information must be amassed from field, library and archival components of the study to generate a predictive model of the heritage resource base that will:

- allow the identification of research and conservation opportunities;
- enable the developer to make planning decisions and recognize their likely effects on the known or predicted resources; and

- make the developer aware of the expenditures, which may be required for subsequent studies and mitigation. A Class 1 or 2 permit is required.

Assessment: At this stage, sufficient information concerning the numbers and locations of heritage resources will be available, as well as data to predict the forms and magnitude of impacts. Assessments provide information on the size, volume, complexity and content of a heritage resource, which is used to rank the values of different sites or site types given current archaeological knowledge. As this information will shape subsequent mitigation program(s), great care is necessary during this phase.

Mitigation: This refers to the amelioration of adverse impacts to heritage resources and involves the avoidance of impact through the redesign or relocation of a development or its components; the protection of the resource by constructing physical facilities; or, the scientific investigation and recovery of information from the resource by excavation or other method. The type(s) of appropriate mitigative measures are dictated by their viability in the context of the development project. Mitigation strategies must be developed in consultation with, and approved by, the Department of Culture and Heritage. It is important to note that mitigation activities should be initiated as far in advance of the construction of the development as possible.

Surveillance and monitoring: These may be required as part of the mitigation program.

Surveillance may be conducted during the construction phase of a project to ensure that the developer has complied with the recommendations.

Monitoring involves identification and inspection of residual and long-term impacts of a development (i.e. shoreline stability of a reservoir); or the use of impacts to disclose the presence of heritage resources, for example, the uncovering of buried sites during the construction of a pipeline.