

የዋናው ልማት አሰራር ድጋፍ

**መጨረሻ የቴክኖሎጂውን የዋናውን ኃላፊነት ማስተላለፍ: 15EN050**







- [illegible]

[illegible]







- [illegible]

$$\underline{\mathcal{J}^b \mathcal{J} \Delta^c \Delta \sigma^a \rho^c}$$

- [illegible]

$$\underline{\Delta^{c_5} d n \Gamma^c} > \Delta^{c_5} b \dot{C}^b$$

- [illegible]

$$\Delta L^{bd} \Delta L^{cb} \Delta \sigma^{cb}$$

- [illegible]









7. ልዩነቱ ለኢርሳይል የፖለቲካ ልዩነቱ ለኢስራኤል ነው።

[illegible][illegible]

◀▷ငှ်ဂ်စှ်ၵှ် ဖ်မ့ၵှ်မ့ၵှ်မ့ၵှ်◀▷ဖ်စှ်▷ၵှ်:

[illegible]

1. መፈታትረፍ በባለጥያቄው ስርጽዳታ፣ ማዘጋጀት ለሚችል ለውጥ ለፍጹም ምርመራ፡

[illegible][illegible][illegible]







[illegible][illegible][illegible]



[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

4. ᠎ᠠᠴᠢ ᠭᠤᠨ ᠶ᠋᥅ᠳᠦᠰᠡ ᠵᠣᠨᠪᠠᠷᠠᠨᠲᠤᠨ ᠶ᠋᥅ᠳᠦᠰᠡ ᠵᠣᠨᠪᠠᠷᠠᠨᠲᠤᠨ

[illegible][illegible]

[illegible][illegible]

- [illegible]

$$\Delta L^{\epsilon} \Gamma^b \triangleleft \mathcal{D}^{\epsilon} \sigma^{\epsilon b}$$
$$\triangleleft^b C d^{\natural b} C \triangleright \lrcorner^c / \Delta d \triangleright^c \lrcorner^b \cap \lrcorner \sigma^{\natural b}$$





መፈገግ ልጋልከረሽ

- $$\triangleright \rho \triangleright^b d^c \quad \Delta \dot{\sigma}^c / \triangleleft^{\leq} d \dot{\eta}^c$$

- $$\Delta dC\Delta\sigma^{\text{qb}} \quad \text{mod } \Gamma^b$$

- [illegible]

- [illegible]

$$\Delta dC \Delta \sigma^{\text{sb}} \quad \rho d\Gamma^{\text{c}}$$

- [illegible]

$\triangleright \cap^{\mathfrak{b}} \cap \cap \cap \sigma^{\mathfrak{b}} \quad \triangleleft^{\mathfrak{b}} \supset^{\mathfrak{b}} \subset \supset \downarrow \sigma^{\mathfrak{b}} \quad \Delta \sigma \triangleright \downarrow \sigma^{\mathfrak{b}}$

- [illegible]

▷ ԳՐԸ

- [illegible]



◁L▷, ρΓρ<sup>Δ</sup> ΔL<sup>α</sup>ΔC▷<sup>δ</sup>δλ<sup>ε</sup>:

 $\triangleleft^{\mathfrak{a}} \zeta \cup \zeta \dot{\cup}^{\mathfrak{c}} \triangleright \sigma^{\mathfrak{a}} \dot{\cup}^{\mathfrak{b}}$ 

- [illegible]

- በገንዘብ ፋይል 1360 ልክ ያለው የጽሑፍ ቁጥር፣ ደረሰ X0B 0C0      ኮድ: (867) 983-4600      ስልክ: (867) 983-2594  
 ሆስፒታል 26-ኛ 43-ኛ

ፈርሃውንት ለጥራጥፍ-ገሥረኛ ጋዖት ልጋ ፍጹም ልሳሳት ለፍጥነትና ለጥንቃቄ፣

ፌዴራል ልገ ማዕከላዊ ማህበራዊ ምክር ቤት

- [illegible]

$\sigma^{\epsilon}\dot{\lambda}^c \triangleright_{\text{NL}} \Delta q^{\epsilon b} \dot{\gamma}^c$

- [illegible]

በፌዴራል በዋና

- [illegible]



[illegible]

ወደ ህጻናት ጋር ሲገናኙ ከዚህ ጋር

- [illegible]

ወደፊት ለሚመጡት

- [illegible]

LcL9C<sup>b</sup>d<sup>c</sup> Λ↳▷ℳ◁<sup>a</sup>b<sup>a</sup>⊃<sup>c</sup>

[illegible]

- [illegible]

- በገንዘብ ሥልጣን 1360 ልዩ ልዩ ሰነድ፣ ወይም X0B 0C0 ስም (867) 983-4600 ስልክ፡ (867) 983-2594  
 ስም 30-ዓመት 43-ዓመት

$$\Delta \rho^a \sigma^b$$
[illegible]

ᐅᓪᓂᐱᓪᓂᐱ ᓂᓂᐱᓂ 15, 2016 ᐱᓪᓂᐱᐱᓂᐱ, ᓂᓂᓂᐱ.

$$\Delta C^{\text{HL}} \propto d^{\text{HL}} C^{\text{HL}}, \Delta C^{\text{bHL}} \propto d^{\text{bHL}} C^{\text{bHL}}$$

ለረዕይ: በበክፍረ ልረብረድ A: ሙረሰር ስራረረ ስራረረ ስራረረ  
 በበክፍረ ልረብረድ B: ልረረረረረረረረ ልረረ ልረረረረረረረረ  
 ለፍልረረረረረረ ስራ ልረረ ስራረረረረረረረረ ስራረ ስራረረረረ ስራረረረረረ





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](http://www.sararegistry.gc.ca)) to get the current status of a species.

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Updated: June 2015

Species at Risk <sup>1</sup>	COSEWIC Designation	Schedule of SARA	Government Organization with Primary Management Responsibility <sup>2</sup>
Eskimo Curlew	Endangered	Schedule 1	Environment Canada (ECCC)
Ivory Gull	Endangered	Schedule 1	ECCC
Ross's Gull	Threatened	Schedule 1	ECCC
Harlequin Duck (Eastern population)	Special Concern	Schedule 1	ECCC
Rusty Blackbird	Special Concern	Schedule 1	Government of Nunavut (GN)
Peregrine Falcon	Special Concern ( <i>anatum-tundrius</i> complex <sup>3</sup> )	Schedule 1 - Threatened ( <i>anatum</i> ) Schedule 3 – Special Concern ( <i>tundrius</i> )	GN
Short-eared Owl	Special Concern	Schedule 3	GN
Red Knot ( <i>rufa</i> subspecies)	Endangered	Schedule 1	ECCC
Red Knot ( <i>islandica</i> subspecies)	Special Concern	Schedule 1	ECCC
Horned Grebe (Western population)	Special Concern	Pending	ECCC
Red-necked Phalarope	Special concern	Pending	ECCC
Buff-breasted Sandpiper	Special concern	Pending	ECCC

Species at Risk <sup>1</sup>	COSEWIC Designation	Schedule of SARA	Government Organization with Primary Management Responsibility <sup>2</sup>
Felt-leaf Willow	Special Concern	Schedule 1	GN
Porsild's Bryum	Threatened	Schedule 1	GN
Peary Caribou	Endangered	Schedule 1	GN
Barren-ground Caribou (Dolphin and Union population)	Special Concern	Schedule 1	GN
Polar Bear	Special Concern	Schedule 1	GN/Fisheries and Oceans Canada (DFO)
Grizzly Bear	Special Concern	Pending	GN
Wolverine	Special Concern	Pending	GN
Atlantic Cod, Arctic Lakes	Special Concern	Pending	DFO
Atlantic Walrus	Special Concern	Pending	DFO
Beluga Whale (Cumberland Sound population)	Threatened	Schedule 2	DFO
Beluga Whale (Eastern Hudson Bay population)	Endangered	Pending	DFO
Beluga Whale (Western Hudson Bay population)	Special Concern	Pending	DFO
Beluga Whale (Eastern High Arctic – Baffin Bay population)	Special Concern	Pending	DFO
Bowhead Whale (Eastern Canada – West Greenland population)	Special Concern	Pending	DFO
Bowhead Whale (Eastern Arctic population)		Schedule 2	DFO
Killer Whale (Northwest Atlantic / Eastern Arctic populations)	Special Concern	Pending	DFO
Narwhal	Special Concern	Pending	DFO

<sup>1</sup> The Department of Fisheries and Oceans Canada has responsibility for aquatic species.

<sup>2</sup> 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.

<sup>3</sup> The *anatum* subspecies of Peregrine Falcon is listed on Schedule 1 of SARA as threatened. The *anatum* and *tundrius* subspecies of Peregrine Falcon were reassessed by COSEWIC in 2007 and combined into one subpopulation complex. This subpopulation complex was assessed by COSEWIC as Special Concern.

## Appendix B: Archaeological and Palaeontological 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 Aboriginal Affairs and Northern Development 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 Inventory
c)	Construction of linear disturbances, Extractive disturbances, Impounding disturbances and other land disturbance activities	Archaeological/ Palaeontological Inventory or Assessment 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*<sup>1</sup> to issue such permits.

- 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 Aboriginal Affairs and Northern Development 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 *Nunavut Land Claims 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*<sup>2</sup>, 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*<sup>3</sup>, 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*



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

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, Language, Elders and Youth (CH), and the contract archaeologist(s) will ensure proper preservation of heritage resources in the Nunavut Territory. The roles of each are briefly described.

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 Nunavut Land Claims Agreement), and the Aboriginal Affairs and Northern Development 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



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*.

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.*

**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.

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.

[illegible]

- 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.