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ልዩ ልዩ ምርመራ ተደርጎ በሚገኝበት ጊዜ ለጥያቄው ተጠቃሚ የሚገኝበትን ምርመራ ለማድረግ ማስፈራሪያ ማድረግ ይገባል፡፡

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ᓄᓇᕈᑦ ᐋᓚᑎᓕᓂᓴᓪ ᔨᑎᒪᓴᓴᑦ ᐱᓕᓂᐋᑦ ᓇᙰᐅᑎᓴ	ᐱᓕᓂᐋᑦ ᕐᓄᐅᐅᓂᓴ	
<b>ᐅᓪᑐᑦ ᐱᓕᓂᐋᑦᕐᑦ – ᐋᓴᑦᑎᓪᐅᓴᓪ ᐃᓴᓴᓪᑐ</b>		
13UN024	New Landfill and Waste Transfer Station	Infrastructure
18YN041	Characterizing Iqaluit’s baseline municipal wastewater contamination loadings to the marine environment	Research
19QN021	Iqaluit Quarry Area 1 and Area 2	Pits and Quarries
19UN013	City of Iqaluit – Apex River Drinking Water Supply	Water
19YN029	Diversity of pelagic primary producers in coastal habitats and the potential for harmful blooms in Eastern Canadian Arctic, with a focus near Iqaluit, Nunavut	Research
19YN036	Coastal Environmental Baseline Program: Baseline Mercury Levels in Frobisher Bay Fish and Invertebrates	Research
<b>ᐱᓕᓂᐋᓪ ᐃᓴᓴᑦᑎᓪᐅᓴᓪ</b>		
18YN043	Contaminants in Shellfish, Water and Sediment in Frobisher Bay, Nunavut	Research
18YN046	Concept Advancement for a Raw Water Intake	Research
19YN023	Arctic Research and Conservation Team Investigating Climate Change	Research
19YN035	A survey of mercury levels within edible plants, fungi and soil in Iqaluit and surrounding areas	Research
19YN039	Microplastics in beach sediment: Collecting baseline data for microplastic contamination around Iqaluit, Nunavut, and developing tools for effective community-based monitoring	Research

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 @NunavutImpactReviewBoard

በበኤኔርጅልኒ 1360 ልኤጋኝገላጭ. ሙጭ X0B 0C0

$L^b \wedge L^{sb} \vdash 9 \triangleright d \underline{a}^a L^c \quad 36$



[illegible][illegible]



[illegible][illegible]



[illegible][illegible]















- [illegible]

 $\Delta\Gamma^c\Gamma^c \ll D^c\sigma^c$ 

- [illegible]

 $\Delta\Gamma\Delta\sigma^b \quad \Delta\Gamma\gamma\sigma^{qb}$ 

- [illegible]

[illegible]

- [illegible]















[illegible][illegible]

σ<sup>9</sup>ΛΠ<sup>c</sup> – CLΔΠJ<sup>c</sup>

[illegible][illegible]

41. ጋህናጋር ላይባለፍኤብርር ልክልሊንጋበጋዕር ያለው ሲሆንም መጽሐፉ ለረዳናጎቦች ነው.

ፌዴራል ልማትና ሥራ ጥበቃ ሚኒስቴር ለጥቅምት 2017 ዓ.ም. ለጥቅምት 2017 ዓ.ም.

42.  $bL\sigma\langle^{qb}\rangle^c$   $a\omega a\Delta n\sigma\langle^{qb}\rangle^c$   $\omega\omega\langle$   $\rangle^{qb}C\rangle\sigma^q$   $\Delta\sigma^q$   $hCL\Delta^a\omega\sigma\langle^{qb}\rangle^c\sigma$   
 $^{qb}nL\dot{C}^{qb}d^c$ .

[illegible]

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[illegible]

45. ለርቢረሊኛ፤ ለርቢሮኛና ለጥንታዊ ልዩነቶች ልዩነት ስለሚኖረው ምንም ዓይነት ልዩነት ሊኖረው አይችልም፡፡

ᐊᑭᓴᒃ ᓄᓇᕈᑦ ᐊᖅᑎᑦᑲᓂᐁᑦ ᑲᑎᒪᓗᑭᑦ ᐱᑭᒪᓗᑎᒃᑯᓴᑦ ᐊᑦᑦᑦᑯᓴᑦᑲᓴᑦ

[illegible]

ለናቢብረታሪቲና ልሳሳታሪታሪቲ

[illegible]



[illegible]

$\Delta^c \triangleleft_L \triangleright_{L\sigma^{\text{cb}}} r^c$

- [illegible]

[illegible]

- [illegible]

$\dot{\Delta}L^c \triangleleft^c C_{\omega} \triangleright^c L^c$

4. ለሥርዓተ-ፎካል ንቅናቄ ዘመን የሚያስፈልጉትን አቅም እና መሳሪያዎች ማግኘት ተቃራኒ በሆነው የአጠባበቅ አቅማቸውን ማረጋገጥ አለባቸው፡፡
- [http://www.sararegistry.gc.ca/virtual\\_sara/files/policies/EA%20Best%20Practices%202004.pdf](http://www.sararegistry.gc.ca/virtual_sara/files/policies/EA%20Best%20Practices%202004.pdf)







[illegible]

Δ<sub>0</sub>Δ<sup>c</sup> ናይጋሊሽቲካል ልጋናይዝሽን

Δ<sup>b</sup>Cd<sup>j</sup>c ΔdΔcC▷<sub>7</sub>Δ<sup>9</sup>b<sup>9</sup>σ<sup>9</sup>ρ<sup>c</sup>

[illegible][illegible]



ᐅᓕᓕᑲ ᓯᐅᐱᓯ 1, 2020 ᑲᐅᓂᓕᐅᑲ, ᓄᓇᑭᓕ.

M. Kaur Kaur

$$b\Delta^{\epsilon_b} \ b\gamma^{\epsilon_b}, \ \Delta^{\epsilon_b}\gamma^{\epsilon_b}\triangleright C\triangleright b\Delta^{\epsilon_b}q^{\epsilon_b}\gamma^{\epsilon_b}$$
[illegible]



[illegible]

ፊርማዎችን ለማረጋገጥ ለሚገባው ሰነድ ማረጋገጫ ማድረግ አለብዎት።

- [illegible]

- **ጠቅላይ ሚኒስትር ለጥቅምት ፳፯ ቀን ፳፻፲፱ ዓ.ም. በደቡብ ምዕራባዊ ምድሪት ስራ ላይ የዘጋጁትን ጉዳዮች በሚመለከት ለሕዝብ ጥያቄዎች መሠረት ለሚገኙ ጉዳዮች ስራ ላይ ይገባል፡፡**
  - ጋና ምድሪት ለጥቅምት ፳፯ ቀን ፳፻፲፱ ዓ.ም. በደቡብ ምዕራባዊ ምድሪት ስራ ላይ የዘጋጁትን ጉዳዮች በሚመለከት ለሕዝብ ጥያቄዎች መሠረት ለሚገኙ ጉዳዮች ስራ ላይ ይገባል፡፡
- **በጥቅምት ፳፯ ቀን ፳፻፲፱ ዓ.ም. በደቡብ ምዕራባዊ ምድሪት ስራ ላይ የዘጋጁትን ጉዳዮች በሚመለከት ለሕዝብ ጥያቄዎች መሠረት ለሚገኙ ጉዳዮች ስራ ላይ ይገባል፡፡**
  - ለጥቅምት ፳፯ ቀን ፳፻፲፱ ዓ.ም. በደቡብ ምዕራባዊ ምድሪት ስራ ላይ የዘጋጁትን ጉዳዮች በሚመለከት ለሕዝብ ጥያቄዎች መሠረት ለሚገኙ ጉዳዮች ስራ ላይ ይገባል፡፡



- $$L^b \wedge L^{sb} \quad 26 \quad \triangleright d_{\Omega}^a L^c \quad 36$$



Δርርዕነንዲሆረኛ። B: ማልዕኒኛ። ሆረኛ ማረጋገጥ ወይም

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  [@NunavutImpactReviewBoard](https://www.facebook.com/NunavutImpactReviewBoard)

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 ሆኖ 28 ከዓመት 36



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## 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:

	<b>Types of Development</b> (See Guidelines below)	<b>Function</b> (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



- 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.

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):









(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, 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.

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.

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.