



ᖃᐅᓃᓴᖅᐅᑦ ᐃᓯᐱᑦᐅᑦᓴᓴᑦ ᐅᑦᑦᑲᖃ
 ᓄᓇᓃᓴᖅ ᐊᓇᐱᑦᐱᓃᑦᐅᑦ ᑲᐱᐱᓃᓴᖅᐱᑦ ᐱᐱᖃᑲᖅᐅᐱᖅᐱᑦ ᐅᑦᑲᐅᐱᖅ: 20YN002

NPC ᐱᐱᖃᑲᖅᐅᐱᖅᐱᑦ ᐅᑦᑲᐅᐱᖅ: 149257

ᐊᐃᐱᑦ 8, 2020

ᐱᖅᓴᓄᖅᓄᑦ ᓄᓇᓃᓴᖅ ᐊᓇᐱᑦᐱᓃᑦᐅᑦ ᑲᐱᐱᓃᓴᖅᐱᑦ (NIRB ᐅᓇᓂᓴᓄᑦ ᐊᓇᐱᑦᐱᓃᑦ) ᖃᐅᓃᓴᖅᓄᖅᓄᑦ ᐱᐱᖃᑲᖅᐱᑦᐱᑦ ᐅᑦᑲᐅᑦᐱᑦᐅᑦᐅᑦ, ᓄᓇᓃᓴᖅ ᐊᓇᐱᑦᐱᓃᑦᐅᑦ ᑲᐱᐱᓃᓴᖅᐱᑦ ᐱᖅᐅᓃᓴᖅᓄᖅᓄᑦ University of Ottawa’s “Long term changes in bird populations near Cambridge Bay based on lake sediment records” ᐱᓴᐱᑦᐊᖃᖅᐱᑦ ᐱᐱᖃᑲᖅᐱᑦᓄᑦ ᓇᓂᓇᐃᑦᐱᑦ 12, ᐊᐃᓯᐱᓄᖅ 12.4.4(a) ᐊᓴᓯᓃᓴᖅ ᐃᓄᐃᑦ ᓄᓇᓃᓴᖅᐱᑦᐅᓯᐱᑦ ᐊᓴᓴ ᐃᐃᓄ ᐱᓴᖃᓂᓴᐱᖅ ᑲᓇᑦᓴᖅ (ᓄᓇᓃᓴᖅ ᐊᓴᓯᓃᓴᖅ) ᐊᓴᓴ s. 92(1)(a) ᓄᓇᓃᓴᖅ ᑦᓇᓴᓄᓂᐃᑦ ᐊᓴᓴ ᐱᑦᐱᓴᐊᑦᓂᓴᓄᑦ ᖃᐅᓃᓴᖅᐱᑦᐅᓯᓄᑦ ᐱᖅᐅᓃᓴᖅ, S.C. 2013, c. 14, s. 2 (NuPPAA).

ᐱᑦᓂᓂᓴᓄᑦ ᐅᓯᓴᖃᖅᓂᓴᓄᑦ ᐱᑦᓄᖅᓄᑦ ᑦᐱᓴᓯᓂᑦ ᐊᓴᓴ ᐱᑦᓴᖅᓂᑦ ᐱᐱᖃᓯᐱᑦᓂᑦᓄᑦ ᓄᓇᓃᓴᖅ ᐊᓇᐱᑦᐱᓃᑦᐅᑦ ᑲᐱᐱᓃᓴᖅᐱᑦ ᐃᓯᐱᑦᐅᑦ ᐅᓯᓴᐊᑦᐅᑦᐅᑦ ᐊᑲᓂᐃᑦᐱᖅᐱᑦ ᐃᓄᐃᑦ ᐃᓯᐱᖅᓴᓄᖅᓂᑦ ᐊᓇᐱᑦᐱᑦ ᐊᓴᓴ ᐃᓄᓯᓴᖅᓂᑦ ᓄᓇᓃᓴᖅ ᐊᓇᐱᑦᐱᓃᑦᐅᑦ ᑲᐱᐱᓃᓴᖅᐱᑦ ᐊᑲᓂᐅᓴᓄᑦ ᓴᓴᓴᖅᐅᓴᓄᑦ ᖃᐅᓃᓴᖅᓄᖅᓄᑦ ᐃᓯᐱᑦᐅᑦᐅᑦ ᐅᑦᑦᑲᐅᑦᓄᑦ. ᓄᓇᓃᓴᖅ ᐊᓇᐱᑦᐱᓃᑦᐅᑦ ᑲᐱᐱᓃᓴᖅᐱᑦ ᐊᑲᑦᐅᓴᓄᑦ ᓴᓴᓴᖅᐅᓴᓄᑦ ᐱᑦᐱᓴᐊᑦᓂᑦ ᓴᓴᓴᖅᐅᓴᓄᑦ ᖃᐅᓃᓴᖅᓄᖅᓄᑦ ᐃᓯᐱᑦᐅᑦᐅᑦ ᐅᑦᑦᑲᐅᑦ.

ᓇᓂᓇᐃᖅᐱᖅᓄᑦ ᖃᐅᓃᓴᖅᓄᖅᓄᑦ ᐃᓯᐱᑦᐅᑦᐅᑦ ᐅᑦᑦᑲᐅᑦ

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1. ጥቅም ላይ የዋለው ንጽሕና ደንብ

$\triangleright d \triangleleft \triangleright \lambda^c \underline{e} \triangleleft \lambda^b \triangleright^c \wedge \text{Cn} \triangleleft \lambda^c \triangleright \cap^b \wedge \triangleleft \sigma^b / \text{L} \text{C}^b \triangleright^c:$

[illegible]

2. ԱՇԽԱՏԱՆԵՐԻ ՎԵՐԱԿՈՆԵՐՈՒՄ

[illegible]

ለርቢታዊነት:	የፌዴራል ፖሊስና የፍትሕ ሚኒስቴር ማህተም ለማረጋገጥና ለማረጋገጥ
የፌዴራል ፖሊስ:	የፖሊስ ኃላፊ
የፍትሕ ሚኒስቴር:	የፍትሕ ሚኒስቴር ማህተም ለማረጋገጥና ለማረጋገጥ
የፍትሕ ሚኒስቴር ማህተም:	የፍትሕ ሚኒስቴር ማህተም ለማረጋገጥና ለማረጋገጥ
ለርቢታዊነትና የፍትሕ ሚኒስቴር ማህተም:	የፍትሕ ሚኒስቴር ማህተም ለማረጋገጥና ለማረጋገጥ
ለርቢታዊነትና የፍትሕ ሚኒስቴር ማህተም:	የፍትሕ ሚኒስቴር ማህተም ለማረጋገጥና ለማረጋገጥ

- ልዩነቶችና ምክንያታቸውን በአጭር ወቅት ለመለየት ይቻላል።
- ልዩነቶችና ምክንያታቸውን በዝርዝር ለመለየት ይቻላል።
- ልዩነቶችና ምክንያታቸውን በዝርዝር ለመለየት ይቻላል።
- ልዩነቶችና ምክንያታቸውን በዝርዝር ለመለየት ይቻላል።
- ልዩነቶችና ምክንያታቸውን በዝርዝር ለመለየት ይቻላል።
- ልዩነቶችና ምክንያታቸውን በዝርዝር ለመለየት ይቻላል።

3. Δαδσ⁹λ δέγδ Δαδ⁹ρσ⁹λ γδλγδ⁹σδ⁹λ βλγδσ⁹ρλ

[illegible]

4. **ΔοΔ^c ▷^ςβ▷^ςγ^ςρ Δ^ρΛ^ςρ^ςζ^ςρ^ςζ**

[illegible]

- [illegible]






[illegible]

ድቃታቸው ለሚገኝበት ሥልጣን	ሥራው ለሚገኝበት ሥልጣን	ሥራው ለሚገኝበት ሥልጣን
19YN001	Reconstructing Past Arctic Sea Ice Cover with Coralline Red Algae	Marine Based Activities
19YN002	Tundra Peat	Research
19YN010	Effects on permafrost thaw on microbial organic matter utilization in Arctic streams	Research

[illegible]

ՎԵՐՈՂՔԱԿ, ԺԿՆՈՒ ՍԵՐԼԶՈՐ, ԱՍԻՎ ՎՅՍԵՐՄԵՐ:

[illegible][illegible][illegible]

 (866) 233-3033
  (867) 983-2594
  info@nirb.ca
 www.nirb.ca
 [@NunavutImpactReviewBoard](https://www.facebook.com/NunavutImpactReviewBoard)

በቦክስ ፖስታ 1360 ልክጋሽታንግባፍ፣ ጫዳ፣ X0B 0C0
 ሆሊስ 15 ኮሎኒ 31

[illegible][illegible]

23. ለረብረብነታቸው ይከፈሉ የሚችሉ የሥራ ስልጣኖች ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡ ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡ ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡
24. ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡ ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡ ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡
25. ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡ ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡ ለሥራ ስልጣን ለሚከፈሉት ሰራተኛዎች ማስፈራራትና ማስታወቅ አለባቸው፡፡

ᐃᑕᑲᓂᑦᑐᑕ ᐃᑚᑎᑕᑲᐃᑦᑲᑦ ᐃᑐᑕᑦᑲᐃᑦᑲᑦ ᐅᑲᓂᑦᑲᑦ:

[illegible]

2. ሊጥታል ደረጃ 137 ነው፤ ለዲሞክራሲያዊነትና ለህዝባዊነት ማስጠበቅ ለዲሞክራሲያዊነትና ለህዝባዊነት ማስጠበቅ ለሚያስችል የሥልጣን አገልግሎት ማስጠበቅ ለሚያስችል የሥልጣን አገልግሎት ማስጠበቅ ለሚያስችል የሥልጣን አገልግሎት ማስጠበቅ

7. ለሮሲያዊና የዋሽንግተን ከተማ አስተዳደር ሥልጣን ለሚከተሉት ሰነዶች ምዝገባ ማድረግ፡

[illegible][illegible]
$$L^b \wedge L^{c_b} \quad 18 \quad \triangleright d_Q^a L^c \quad 31$$

ბა⁶ ბ⁷ყ⁶, Δ⁶ρ⁶▷C▷bΔ⁶α⁶ყ⁶▷⁶ყ⁶

ጋመጥኛክሮብሮ፡ ልረሮጥኛክሮብሮ፡ A፡ ሙሉጥኛክሮብሮ ሙሉጥኛክሮ ሙሉጥኛክሮ
ልረሮጥኛክሮብሮ፡ B፡ ልረሮጥኛክሮ ልረሮጥኛክሮ ልረሮጥኛክሮ ልረሮጥኛክሮ ልረሮጥኛክሮ
ረረረ፡ ሙሉጥኛክሮ ልረሮጥኛክሮ ልረሮጥኛክሮ ልረሮጥኛክሮ ልረሮጥኛክሮ

$\Delta C_{\text{C}} \gg \Delta C_{\text{L}} \gg \Delta C_{\text{S}}$ A: $\sigma_{\text{A}} \gg \sigma_{\text{L}} \gg \sigma_{\text{S}}$ $\sigma_{\text{A}} \gg \sigma_{\text{L}}$ $\sigma_{\text{A}} \gg \sigma_{\text{S}}$

[illegible]

- [illegible]

[illegible][illegible][illegible]

መልካም ጥፋት ፊት የፊት ጥፋት	ከግሪክ የግሪክ ጥፋት የፊት ጥፋት ከግሪክ ጥፋት	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት (SARA)	ግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
ግሪክ (Ivory Gull)	የግሪክ ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
ፊት ጥፋት የፊት ጥፋት (Olive-sided Flycatcher)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
ፊት (Peregrine Falcon)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
የፊት ጥፋት የፊት ጥፋት (Red Knot Islandica Subspecies)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
የፊት ጥፋት የፊት ጥፋት (Red-necked Phalarope)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
ፊት ጥፋት (Ross's Gull)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
የፊት ጥፋት የፊት ጥፋት (Rusty Blackbird)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
የፊት ጥፋት የፊት ጥፋት (Short-eared Owl)	የፊት ጥፋት	ግሪክ 1	የግሪክ ጥፋት የፊት ጥፋት የፊት ጥፋት
የፊት ጥፋት			
የፊት ጥፋት የፊት ጥፋት (Porsild's Bryum)	የፊት ጥፋት	ግሪክ 1	የፊት ጥፋት
የፊት ጥፋት			
የፊት ጥፋት የፊት ጥፋት (Transverse Lady Beetle)	የፊት ጥፋት	የፊት ጥፋት	የፊት ጥፋት

[illegible]

መልካሚ ፍጥጥር ፅሁፍ ፍጥጥር ፍጥጥር	ከግሪክ ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር	ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር (SARA)	ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር
ከፍጥጥር (Fourhorn Sculpin) (ፍጥጥር ፍጥጥር)	ከፍጥጥር ፍጥጥር ፍጥጥር	ፍጥጥር 3	ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር
ፍጥጥር (Lumpfish)	ፍጥጥር ፍጥጥር	ፍጥጥር ፍጥጥር	ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር
ከፍጥጥር ፍጥጥር	ፍጥጥር ፍጥጥር	ፍጥጥር ፍጥጥር	ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር ፍጥጥር

Δርርዕነንድሥረቱ፡ ልዕል፣ ለከፍተኛው ልዩ ለሰላምተኛው ምዕራባዊነትና ምዕራባዊ ሥልጣን ወይም ልዩነት ይገኛል።



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 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*⁴ to issue such permits.

⁴ 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.

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.