



## SCREENING DECISION REPORT NIRB FILE No.: 20UA005

Parks Canada Referral

**August 9, 2024**

Following the Nunavut Impact Review Board's (NIRB or Board) assessment of all materials provided, the NIRB is recommending that a review of Parks Canada's (PC) "Douglas Harbour Shelter Amendment" 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, the NIRB is of the view that the project proposal is not likely to cause significant public concerns, and it is unlikely to result in significant adverse environmental and social impacts. The NIRB therefore recommends that the responsible Minister accepts this Screening Decision Report.

### OUTLINE OF SCREENING DECISION REPORT

<b>REGULATORY FRAMEWORK.....</b>	<b>2</b>
<b>PROJECT REFERRAL .....</b>	<b>3</b>
<b>PROJECT OVERVIEW &amp; THE NIRB ASSESSMENT PROCESS.....</b>	<b>3</b>
<b>ASSESSMENT OF THE PROJECT PROPOSAL IN ACCORDANCE WITH PART 3 OF THE <i>NUPPAA</i>.....</b>	<b>6</b>
<b>VIEWS OF THE BOARD .....</b>	<b>7</b>
<b>RECOMMENDED PROJECT-SPECIFIC TERMS AND CONDITIONS .....</b>	<b>12</b>
<b>OTHER NIRB CONCERNS AND RECOMMENDATIONS .....</b>	<b>14</b>
<b>CONCLUSION .....</b>	<b>16</b>

### APPENDICES

APPENDIX A: PREVIOUSLY-SCREENED PROJECT PROPOSALS.....	17
APPENDIX B: SPECIES AT RISK IN NUNAVUT .....	18
APPENDIX C: ARCHAEOLOGICAL AND PALAEOLOGICAL RESOURCES TERMS AND CONDITIONS FOR LAND USE PERMIT HOLDERS .....	21

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*:

*Nunavut Agreement*, Article 12, Section 12.2.5: In carrying out its functions, the primary objectives of NIRB shall be at all times to protect and promote the existing and future well-being of the residents and communities of the Nunavut Settlement Area, and to protect the ecosystemic integrity of the Nunavut Settlement Area. NIRB shall take into account the well-being of the residents of Canada outside the Nunavut Settlement Area.

The purpose of screening is provided for under Article 12, Section 12.4.1 of the *Nunavut Agreement* and s. 88 of the *NuPPAA* which states:

*NuPPAA*, s. 88: The purpose of screening a project is to determine whether the project has the potential to result in significant ecosystemic or socio-economic impacts and, accordingly, whether it requires a review by the Board...

To determine whether a review of a project is required, the NIRB is guided by the considerations as set out under Article 12, Section 12.4.2(a) and (b) of the *Nunavut Agreement* and s. 89(1) of *NuPPAA* which states:

*NuPPAA*, s. 89(1): The Board must be guided by the following considerations when it is called on to determine, on the completion of a screening, whether a review of the project is required:

- (a) a review is required if, in the Board's opinion,
  - i. the project may have significant adverse ecosystemic or socio-economic impacts or significant adverse impacts on wildlife habitat or Inuit harvest activities,
  - ii. the project will cause significant public concern, or
  - iii. the project involves technological innovations, the effects of which are unknown; and
- (b) a review is not required if, in the Board's opinion,
  - i. the project is unlikely to cause significant public concern, and
  - ii. its adverse ecosystemic and socioeconomic impacts are unlikely to be significant, or are highly predictable and can be adequately mitigated by known technologies.

It is noted that under Article 12, Section 12.4.2(c) and s. 89(2) of the *NuPPAA* provides that the considerations set out in s.89(1)(a) prevail over the considerations set out in s. 89(1)(b) 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. The contents of the NIRB's report are specified under *NuPPAA*:

*NuPPAA*, s. 92(1): The Board must submit a written report to the responsible Minister containing a description of the project that specifies its scope and indicating that:

- (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.

Where the NIRB determines that a project may be carried out without a review, the NIRB has the discretion to recommend specific terms and conditions to be attached to any approval of the project proposal pursuant to paragraph 92(2)(a) of *NuPPAA* as follows:

*NuPPAA*, s. 92(2) In its report, the Board may also

- (a) recommend specific terms and conditions to apply in respect of a project that it determines may be carried out without a review.

#### PROJECT REFERRAL

On March 12, 2024 the NIRB received a referral to screen Parks Canada's (PC) "Douglas Harbour Shelter Amendment" project proposal directly from Parks Canada pursuant to s. 167 of the *NuPPAA*. The NIRB noted that the proposed project would be located within the Ukkusiksalik National Park and pursuant to s. 70(1) of the *NuPPAA*, the Nunavut Planning Commission conformity determination process does not apply. As a result, pursuant to Article 12, Sections 12.4.1 and 12.4.4 of the Nunavut Agreement and s. 87 of the *NuPPAA*, the NIRB commenced screening this project proposal.

Due to the proposal containing activities that were sufficiently related to previously assessed activities under NIRB file number **20UN005**, the NIRB viewed this project proposal as an amendment to the previously screened project and assigned the proposal with this file number **20UA005**.

#### PROJECT OVERVIEW & THE NIRB ASSESSMENT PROCESS

### 1. Screening Process Timelines

The following key stages were completed for the screening process:

Date	Stage
March 11, 2024	Receipt of <i>amended</i> project proposal from Parks Canada.
March 11, 2024	Request to complete public registry online and provide information pursuant to s. 144(1) of the <i>NuPPAA</i>
March 14, 2024	Receipt of online application from Proponent
March 20, 2024	Request(s) to Proponent for additional information in order to carry out screening pursuant to s. s. 144(1) of the <i>NuPPAA</i>
July 10, 2024	Proponent responded to information request(s) and provided additional information

Date	Stage
July 10, 2024	Scoping pursuant to s. 86(1) of the <i>NuPPAA</i>
July 15, 2024	Public engagement and comment request
July 26, 2024	Receipt of public comments
August 9, 2024	Issuance of Screening Decision Report

## 2. Project Scope

All documents received and pertaining to this project proposal can be accessed from the NIRB's online public registry at [www.nirb.ca/project/125894](http://www.nirb.ca/project/125894).

The following table provides a summary of the *original* project as previously screened by the NIRB (File No. 20UN005):

<b>Project:</b>	Douglas Harbour Shelter				
<b>Region:</b>	Kivalliq				
<b>Location:</b>	Ukkusiksalik National Park				
<b>Closest Community:</b>	Naujaat	<b>Distance (approximate)</b>	140 kilometres (km)	<b>Direction</b>	Southwest
<b>Summary of Project Description:</b>	The Proponent intends to conduct clean-up and removal of a destroyed Government of Nunavut (GN) cabin, and construction of a new hard-sided shelter for park staff, visitors and community members to use for operational, visitation, harvesting or emergency purposes.				
<b>Project Proposed Timeline:</b>	April 2020 to May 2020.				

The following table provides a summary of the current *amended* project as proposed by Parks Canada:

<b>Amended Project:</b>	Douglas Harbour Shelter Amendment				
<b>Region:</b>	The project would be located in the same area as previously approved and would be located within the Kivalliq region.				
<b>Location:</b>	Ukkusiksalik National Park				
<b>Closest Community:</b>	Naujaat	<b>Distance (approximate)</b>	140 kilometres (km)	<b>Direction</b>	Southwest
<b>Summary of Project Description:</b>	The Proponent intends to amend the scope of previously approved activities to include use of sand, gravel, and boulders from the shore area.				
<b>Project Proposed Timeline:</b>	2024 to 2030				

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

- Use of sand and rocks from shoreline for supporting structures.

### 3. Inclusion or Exclusion to Scoping List

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

### 4. Public Comments and Concerns

Notice regarding the NIRB's screening of this project proposal was distributed on was distributed on July 15, 2024 to community organizations in Ranking Inlet, Chesterfield Inlet, and Naujaat, as well as to relevant federal and territorial government agencies, Inuit organizations and other parties. The NIRB requested that interested parties review the proposal and provide the Board with any comments or concerns by July 26, 2024 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 July 26, 2024 the NIRB received comments from the following interested parties:

- **Crown-Indigenous Relations and Northern Affairs Canada**
- **Fisheries and Oceans Canada**
- **Transport Canada**
- **Government of Nunavut**

#### *a. Summary of Public Comments and Concerns Received during the Public comment period of this file*

The following provides a summary of the comments and concerns received by the NIRB:

#### **Crown-Indigenous Relations and Northern Affairs Canada**

- Recommended standard terms for consultation with interested parties.

#### **Fisheries and Oceans Canada**

- Noted that removal of material above waterline was unlikely to effect fish or fish habitat.

## **Transport Canada**

- No comments to provide.

## **Government of Nunavut**

- No comments to provide.

### ***b. Comments and Concerns with respect to Inuit Qaujimaningit, Traditional, and Community Knowledge***

No concerns or comments were received with respect to Inuit Qaujimaningit or traditional and community knowledge in relation to the proposed project. However, Inuit Qaujimaningit and traditional and community knowledge is incorporated into the terms and conditions recommended below based on information collected from prior and similar projects, data collected and mapped by the Commission, and other available sources

## **ASSESSMENT OF THE PROJECT PROPOSAL IN ACCORDANCE WITH PART 3 OF THE *NuPPAA***

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.

Accordingly, the assessment of impact significance was based on the analysis of those factors that are set out under s. 90 of the *NuPPAA*. The Board took particular care to take into account Inuit Qaujimaningit, traditional and community knowledge in carrying out its assessment and determination of the significance of impacts.

The following is a summary of the Board's assessment of the factors that are relevant to the determination of significant impacts with respect of this project proposal:

<b>Factor</b>	<b>Comment</b>
The size of the geographic area, including the size of wildlife habitats, likely to be affected by the impacts.	<ul style="list-style-type: none"><li>▪ The physical footprint of the proposed project components is located in and adjacent to the existing shelter area.</li><li>▪ The proposed activities would take place within habitats of far-ranging wildlife species such as caribou (Wager Bay and Lorillard herds), muskox, wolves, Arctic fox, Arctic hare, migratory and non-migratory birds, and Species at Risk such as polar bears.</li></ul>
The ecosystemic sensitivity of that area.	<ul style="list-style-type: none"><li>▪ The project is within Ukkusiksalik National Park, and this area has been identified as having value and priority to the local community for terrestrial wildlife such as caribou, fish and fish habitat, and polar bears.</li></ul>
The historical, cultural and archaeological significance of that area.	<ul style="list-style-type: none"><li>▪ Known archaeological and cultural sites are present within the Ukkusiksalik National Park.</li></ul>

Factor	Comment
The size of the human and the animal populations likely to be affected by the impacts.	<ul style="list-style-type: none"> <li>▪ The proposed project may take place within the habitat of a number of species identified above and as such, may potentially affect wildlife, their habitat and their migratory patterns.</li> <li>▪ Human population and/or traditional land-use activities are unlikely to be affected by components of the proposed project.</li> </ul>
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.	<ul style="list-style-type: none"> <li>▪ A zone of influence of up to 10 km from the most potentially-disruptive project activities was selected for the NIRB's assessment.</li> <li>▪ With adherence to the relevant regulatory requirements and application of the mitigation measures recommended by the NIRB, no significant residual effects are expected to occur.</li> </ul>
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.	<ul style="list-style-type: none"> <li>▪ The NIRB has not identified any past, present, and reasonably foreseeable projects at this time; however, the mitigation measures recommended by the NIRB have been designed to reduce cumulative effects should projects occur in the area in the future.</li> </ul>
Any other factor that the Board considers relevant to the assessment of the significance of impacts.	<ul style="list-style-type: none"> <li>▪ The project will improve the integrity of the existing and approved infrastructure.</li> </ul>

#### IEWS OF THE BOARD

In considering the factors as set out above in the screening of the project proposal, the NIRB has identified a number of issues below and respectfully provide the following views regarding whether or not the proposed project has the potential to result in significant impacts. In addition, the NIRB has proposed terms and conditions that would mitigate the potential adverse impacts identified.

The NIRB has listed specific Acts and Regulations below that may be applicable to the project proposal but this list should not be considered as a complete list and the Proponent is responsible to ensure that it follows all Acts and Regulations that may be applicable to the project proposal.

#### **Ecosystem, wildlife habitat and Inuit harvesting activities:**

<b>Valued Component</b>	Terrestrial wildlife including caribou, muskox, wolves, Arctic fox, Arctic hare, migratory and non-migratory birds, and Species at Risk such as polar bears.
-------------------------	--



<b>Potential effects:</b>	Potential adverse effects resulting from noise and visual disturbance generated construction improvements and moving of rocks and sand/gravel.
<b>Nature of Impacts:</b>	The potential for impacts is applicable to a small geographic area within Ukkusiksalik National Park, and is limited due to the temporary and low-impact nature of the activities.
<b>Mitigating Factors:</b>	Proponent proposes to ensure the camp is established with minimal impact to wildlife. Waste would be stored in animal proof containers until it can be transported to Nauyasat for proper disposal.
<b>Previously Recommended Terms and Conditions:</b>	4, 5, and 10 through 17
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	<ol style="list-style-type: none"> <li>1. The <i>Migratory Birds Convention Act and Migratory Birds Regulations</i> (<a href="http://laws-lois.justice.gc.ca/eng/acts/M-7.01/">http://laws-lois.justice.gc.ca/eng/acts/M-7.01/</a>).</li> <li>2. The <i>Species at Risk Act</i> (<a href="http://laws-lois.justice.gc.ca/eng/acts/S-15.3/index.html">http://laws-lois.justice.gc.ca/eng/acts/S-15.3/index.html</a>). Attached in <b>Appendix A</b> is a list of Species at Risk in Nunavut.</li> <li>3. The <i>Canada National Parks Act</i> (<a href="http://laws-lois.justice.gc.ca/eng/acts/n-14.01/">http://laws-lois.justice.gc.ca/eng/acts/n-14.01/</a>).</li> </ol>

<b>Valued Component</b>	Surface water quality, fish and fish habitat, and the aquatic environment.
<b>Potential effects:</b>	Potential adverse effects resulting from removal of material from shore.
<b>Nature of Impacts:</b>	The potential for impacts is applicable to a small geographic area within Ukkusiksalik National Park and is limited due to the temporary and low-impact nature of the activities.
<b>Mitigating Factors:</b>	The Proponent intends to remove material from above the high water mark to avoid disturbing fish habitat.
<b>Previously Recommended Terms and Conditions:</b>	6 through 9, and 21
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	<ol style="list-style-type: none"> <li>1. The <i>Fisheries Act</i> (<a href="http://laws-lois.justice.gc.ca/eng/acts/F-14/index.html">http://laws-lois.justice.gc.ca/eng/acts/F-14/index.html</a>).</li> <li>2. The <i>Transportation of Dangerous Goods Regulations</i> (<a href="http://www.tc.gc.ca/eng/tdg/clear-tofc-211.htm">http://www.tc.gc.ca/eng/tdg/clear-tofc-211.htm</a>), <i>Transportation</i></li> </ol>



	<i>of Dangerous Goods Act</i> ( <a href="http://laws-lois.justice.gc.ca/eng/acts/t-19.01/">http://laws-lois.justice.gc.ca/eng/acts/t-19.01/</a> ), and the <i>Canadian Environmental Protection Act</i> ( <a href="http://laws-lois.justice.gc.ca/eng/acts/C-15.31/">http://laws-lois.justice.gc.ca/eng/acts/C-15.31/</a> ).
--	--

<b>Valued Component</b>	Vegetation, land, soils, and terrain stability.
<b>Potential effects:</b>	Potential adverse effects resulting from the compaction of soil and/or terrain around the new shelter location and temporary camp. Disturbance of terrain and vegetation resulting from establishment of temporary camp, construction of the footings for the new shelter
<b>Nature of Impacts:</b>	The potential for impacts is considered to be minimal due to the temporary and low-impact nature of the activities and any resulting impacts would be expected to be reversible.
<b>Mitigating Factors:</b>	The Proponent has previously provided a comprehensive Fuel Cache Protocol and Spill Response Plan, which includes storage measures, spill response measures, equipment requirements and handling procedures for the management of fuel and chemicals within National Parks.
<b>Previously Recommended Terms and Conditions:</b>	8, 18, 19, 20, 22 and 23
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	1. The <i>Transportation of Dangerous Goods Regulations</i> ( <a href="http://www.tc.gc.ca/eng/tdg/clear-tofc-211.htm">http://www.tc.gc.ca/eng/tdg/clear-tofc-211.htm</a> ), <i>Transportation of Dangerous Goods Act</i> ( <a href="http://laws-lois.justice.gc.ca/eng/acts/t-19.01/">http://laws-lois.justice.gc.ca/eng/acts/t-19.01/</a> ), and the <i>Canadian Environmental Protection Act</i> ( <a href="http://laws-lois.justice.gc.ca/eng/acts/C-15.31/">http://laws-lois.justice.gc.ca/eng/acts/C-15.31/</a> ).

<b>Valued Component</b>	Inuit harvesting and traditional land use activities.
<b>Potential effects:</b>	Potential adverse impacts to the public and traditional land-use activities resulting from transportation of personnel and equipment, and construction activities. Proposed project activities would be located in close proximity to seasonal ranges and migration routes of caribou, with the potential to cause wildlife avoidance and change distribution. As a result, harvesting activities and personal enjoyment of the land could be negatively affected.
<b>Nature of Impacts:</b>	The potential for impacts is applicable to a small geographic area within Ukkusiksalik National Park, and is limited due to the low-impact nature of the activities.
<b>Mitigating Factors:</b>	Recommended terms and conditions should mitigate the potential adverse impacts.

<b>Previously Recommended Terms and Conditions:</b>	24, 25
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	1. The <i>Canada National Parks Act</i> ( <a href="http://laws-lois.justice.gc.ca/eng/acts/n-14.01/">http://laws-lois.justice.gc.ca/eng/acts/n-14.01/</a> ).

### **Socio-economic effects on northerners:**

<b>Valued Component</b>	Archaeological and Historical Sites.
<b>Potential effects:</b>	No specific areas of historical, cultural and archaeological significance have been identified by the Proponent within the physical footprint of the proposed project, however there are known archaeological sites present in the area near the proposed project activities.
<b>Nature of Impacts:</b>	The potential for impacts is considered to be minimal due to the nature of the activities and due care of the Proponent to avoid disturbance of sites.
<b>Mitigating Factors:</b>	The Proponent has indicated that all visitors to the site will receive mandatory orientation which includes information on archaeological sites and avoiding disturbance. Recommended terms and conditions.
<b>Previously Recommended Terms and Conditions:</b>	24
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	1. The <i>Canada National Parks Act</i> ( <a href="http://laws-lois.justice.gc.ca/eng/acts/n-14.01/">http://laws-lois.justice.gc.ca/eng/acts/n-14.01/</a> ).

<b>Valued Component</b>	Local hiring, contracting and economic impacts.
<b>Potential effects:</b>	The proposed project will be based out of Naujaat and may provide economic benefits through local hiring and purchasing. Establishment of the permanent shelter could encourage increased visitor access to the Ukkusiksalik National Park and local community, which could have economic benefits.
<b>Nature of Impacts:</b>	Positive potential impacts to the community of Naujaat.
<b>Mitigating Factors:</b>	The Board is recommending terms and conditions to ensure that the Proponent to the extent possible hire local people and access local services where possible, and to ensure planned activities in the area utilize available Inuit Qaujimaningit.

<b>Previously Recommended Terms and Conditions:</b>	26
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	n/a

**Significant public concern:**

<b>Valued Component</b>	Public concern.
<b>Potential effects:</b>	No significant public concern was expressed during the public commenting period for this file.
<b>Nature of Impacts:</b>	The potential for impacts is considered to be minimal as long as the Proponent follows the recommended terms and conditions.
<b>Mitigating Factors:</b>	The Board is recommending terms and conditions to ensure project activities do not interfere with Inuit wildlife harvesting or traditional land use activities, to the extent possible hire local people and access local services where possible, and to ensure planned activities in the area utilize available Inuit Qaujimaningit.
<b>Previously Recommended Terms and Conditions:</b>	24, 25, 26
<b>Proposed New Terms and Conditions:</b>	n/a
<b>Related Acts and/or Regulations:</b>	n/a

**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 Board has previously recommended terms and conditions 1 through 3 which continue to apply to the current project proposal. The Board is also recommending term and condition 27 through 29 to ensure complete reference to applicable regulatory requirements.

In considering the above factors and subject to the Proponent's compliance with 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 following terms and conditions were previously issued by the NIRB in the May 4, 2020 Screening Decision Report(s) for File No. 20UN005, **and continue to apply to the “Douglas Harbour Shelter Amendment” project:**

##### **General**

1. Parks Canada (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall operate in accordance with all commitments stated in correspondence provided to the NIRB (Online Application Form, March 5, 2020; Supporting Documents, March 5, 2020).
3. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

##### **Waste Disposal**

4. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of at an approved facility. All such wastes shall be kept inaccessible to wildlife at all times.

##### **Fuel and Chemical Storage**

5. The Proponent shall store all fuel and chemicals in such a manner that they are inaccessible to wildlife.
6. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty-one (31) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment unless otherwise authorized by the Nunavut Water Board.
7. The Proponent shall ensure that re-fueling of all equipment occurs a minimum of thirty-one (31) metres away from the high water mark of any water body, unless otherwise authorized by the Nunavut Water Board.
8. The Proponent shall ensure that appropriate spill response equipment and clean-up materials (e.g., shovels, pumps, barrels, drip pans, and absorbents) are readily available during any transfer of fuel or hazardous substances, at all fuel storage sites and when refuelling equipment.
9. The Proponent shall ensure that all personnel are properly trained in fuel and hazardous waste handling procedures, as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130.

##### **Wildlife - General**

10. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.

11. The Proponent shall not harass wildlife. This includes persistently circling, chasing, hovering over pursuing or in any other way harass wildlife, or disturbing large groups of animals.
12. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
13. The Proponent shall ensure that all project personnel are made aware of the measures to protect wildlife and are provided with training and/or advice on how to implement these measures.

#### **Migratory Birds and Raptors Disturbance**

14. The Proponent shall minimize activities during periods when birds are particularly sensitive to disturbance such as migration, nesting and moulting.

#### **Caribou and Muskoxen Disturbance**

15. The Proponent shall avoid interfering with any paths or crossings known to be frequented by caribou during periods of migration.
16. The Proponent shall cease activities that may interfere with the migration or calving of caribou or muskox, until the caribou or muskox have passed or left the area.
17. The Proponent shall not block or cause any diversion to caribou migration, and shall cease activities likely to interfere with migration such as movement of equipment or personnel until such time as the caribou have passed.

#### **Ground Disturbance and Land Use**

18. 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.
19. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

#### **Temporary Camps**

20. The Proponent shall ensure that all camps are located on gravel, sand or other durable land.
21. The Proponent shall not erect camps or store material on the surface ice of lakes or streams.

#### **Restoration of Disturbed Areas**

22. The Proponent shall remove all garbage, fuel and equipment upon abandonment.
23. The Proponent shall complete all clean-up and restoration of the lands used prior to the end of each field season and/or upon abandonment of site.

#### **Other**

24. The Proponent should consult with local residents regarding their activities in the area and solicit available Inuit Qaujimaningit and information that can inform project activities.
25. The Proponent shall ensure that project activities do not interfere with Inuit wildlife harvesting or traditional land use activities.
26. The Proponent should, to the extent possible, hire local people and access local services where possible.

In addition to the previously issued terms and conditions, the Board recommends the following project-specific terms and conditions:

### **General**

27. The Proponent shall operate in accordance with all commitments stated in correspondence provided to the NIRB (Online Application Form, March 14, 2024).
28. 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.
29. 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.

### **OTHER NIRB CONCERNS AND RECOMMENDATIONS**

In addition to the project-specific terms and conditions, the Board has previously recommended the following on May 4, 2020:

### **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.

### **Bear and Carnivore Safety**

2. 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](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: [http://www.enr.gov.nt.ca/sites/default/files/web\\_pdf\\_wd\\_bear\\_safety\\_brochure\\_1\\_may\\_2015.pdf](http://www.enr.gov.nt.ca/sites/default/files/web_pdf_wd_bear_safety_brochure_1_may_2015.pdf).
3. 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](http://www.pc.gc.ca/eng/pn-np/nu/quttinirpaaq/visit/visit6/~/_media/pn-np/nu/auyuittuq/pdf/shared/PolarBearSafety_English.ashx).

### **Species at Risk**

4. 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](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**

5. 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.
6. 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](http://publications.gc.ca/collections/collection_2013/ec/CW66-324-2013-eng.pdf).

### **Heritage Resources**

7. 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.

### **Transport of Dangerous Goods and Waste Management**


8. Environment and Climate Change Canada recommends that all hazardous wastes, including waste oil, receive proper treatment and disposal at an approved facility.
9. 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.
10. 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.



## CONCLUSION

The foregoing constitutes the Board's screening decision with respect to the Parks Canada's "Douglas Harbour Shelter Amendment". The NIRB remains available for consultation with the Minister regarding this report as necessary.

Dated August 9, 2024 at Baker Lake, NU.

  
Kaviq Kaluraq, Chairperson

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

## APPENDIX A: PREVIOUSLY-SCREENED PROJECT PROPOSALS

The original project proposal (NIRB File No.: 20UN005), was received by the Nunavut Impact Review Board (NIRB or Board) from Parks Canada on February 25, 2020.

<b>Project:</b>	Douglas Harbour Shelter				
<b>Region:</b>	Kivalliq				
<b>Location:</b>	Ukkusiksalik National Park				
<b>Closest Community:</b>	Naujaat	<b>Distance (approximate)</b>	140 kilometres (km)	<b>Direction</b>	Southwest
<b>Summary of Project Description:</b>	The Proponent intends to conduct clean-up and removal of a destroyed Government of Nunavut (GN) cabin, and construction of a new hard-sided shelter for park staff, visitors and community members to use for operational, visitation, harvesting or emergency purposes.				
<b>Project Proposed Timeline:</b>	April 2020 to May 2020.				

According to the previously screened project proposal, the scope of the project included the following undertakings, works or activities:

- Use of snowmobiles and qamutiks for transporting of personnel and equipment to and from the temporary camp site;
- Establishment of a temporary camp in the vicinity of the destroyed GN cabin:
  - Capacity of up to 12 people;
  - To include sleeping tents, canvas kitchen tent, outhouse tent and encompassing electric bear fence;
  - Use of camp while conducting removal of GN cabin and construction of new shelter;
- Clean-up and removal of GN cabin materials:
  - Breakdown and removal of all material related to the destroyed cabin;
  - Transport all materials to Naujaat for disposal in municipal landfill;
  - Hazardous materials to be sealifted south for disposal in an appropriate facility;
- Construction of 12'x16' hard-sided shelter and outhouse approximately four (4) kilometres west of the previous GN cabin location:
  - Potential for snow removal around base of structure;
  - Placement of above-ground timber footings;
  - Outhouse to use 45 gallon drum to collect waste once shelter is built with wastes to be removed and disposed of at capacity in Naujaat;
- Transport, storage and use of gasoline for snowmobiles and generator;
- Use of snow, ice and water from nearby lake for domestic purposes;
- Production of greywater and human waste; and;
- Removal of wastes for proper disposal.

## APPENDIX B: SPECIES AT RISK IN NUNAVUT

Due to the requirements of Section 79(2) of the Species at Risk Act (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](http://www.sararegistry.gc.ca)) to get the current status of a species.

Updated: September 2019

Terrestrial Species at Risk <sup>1</sup>	COSEWIC Designation	Schedule of SARA	Government Organization with Primary Management Responsibility <sup>2</sup>
Migratory Birds			
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
Vegetation			
Porsild's Bryum	Threatened	Schedule 1	Government of Nunavut (GN)
Arthropods			
Transverse Lady Beetle	Special Concern	No Schedule	GN
Terrestrial Wildlife			
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
Marine Wildlife			
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

<sup>1</sup> The Department of Fisheries and Oceans 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.

<b>Terrestrial Species at Risk<sup>1</sup></b>	<b>COSEWIC Designation</b>	<b>Schedule of SARA</b>	<b>Government Organization with Primary Management Responsibility<sup>2</sup></b>
Beluga Whale (Eastern High Arctic-Baffin Bay Population)	Special Concern	No Schedule	DFO
Beluga Whale (Western Hudson Bay Population)	Special Concern	No Schedule	DFO
<b>Fish</b>			
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

## APPENDIX C: 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:

	<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

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>3</sup> to issue such permits.

<sup>3</sup> 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*<sup>4</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>5</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 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](http://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.

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

<sup>4</sup> s. 51(1)

<sup>5</sup> P.C. 2001-1111 14 June, 2001

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.