



SCREENING DECISION REPORT NIRB FILE NO.: 06LN083

NIRB File No.: 06LN083
INAC File No.: 058H07001

March 16, 2007

Honourable Jim Prentice, PC., MP.
Minister of Indian Affairs and Northern Development
10 Wellington, 21st Floor
Gatineau, Quebec
K1A 0H4

Via email: minister@inac.gc.ca

Re: Screening Decision for Dr. Pascal Lee's Scientific Research Facility Project Proposal

Dear Honorable Mr. Prentice:

The primary objectives of the Nunavut Land Claims Agreement are set out in section 12.2.5 of the Land Claims Agreement. This section reads:

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.

Section 12.4.4 of the Nunavut Land Claim Agreement states:

Upon receipt of a project proposal, NIRB shall screen the proposal and indicate to the Minister in writing that:

- a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;
- b) the proposal requires review under Part 5 or 6; NIRB shall identify particular issues or concerns which should be considered in such a review;
- c) the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or
- d) the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.

NIRB Assessment and Decision

After a thorough assessment of all material provided to the Board (please see Appendix A), the decision of the Board as per section 12.4.4 of the NLCA is:

12.4.4 (a): the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5

NIRB's decision is based on specific considerations that reflect the primary objectives of the Land Claims Agreement. Our considerations in making this decision included:

- storage and disposal of fuel, garbage, sewage, and gray water, and impact of these on the ecosystem;
- the potential impact and disturbance to nesting and migrating birds;
- the potential impact and disturbance of wildlife
- impact of noise from aircraft activities and its disturbance to wildlife
- the potential impact on terrain from the use of on-site mechanized vehicles;
- the impact on archaeological sites or cultural landmarks in the area;
- the impacts of activities on the environment;

Summary of Recommended Conditions

The Board is recommending the following or similar project-specific terms and conditions be imposed upon the Proponent through all relevant legislation:

General

1. The Mars Institute (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits to the NIRB obtained and required for this project prior to the commencement of the project.
3. The NIRB shall be notified of any changes in operating plans or conditions associated with this project prior to any such change.

Water

4. The Proponent shall be advised that the use of water, disposal of wastewater or waste as a result of the project proposal activities require a Nunavut Water Board license and the project cannot proceed until this is obtained.
5. The Proponent shall not construct or disturb any stream, lakebed or banks of any definable water course unless authorized by the Department of Fisheries and Oceans.
6. The Proponent shall ensure that all water intake hoses are equipped with a screen with an appropriate mesh size to ensure that there is no entrapment of fish.

Waste

7. The Proponent shall incinerate all combustible wastes daily, and remove the ash from incineration activities and non-combustible wastes from the project site to an approved facility for disposal.
8. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of.
9. The Proponent shall ensure compliance with Section 36 of the *Fisheries Act* which requires that no person shall deposit or permit the deposit of a deleterious substance on any type in water frequented by fish or in any place under any conditions where the deleterious substance may enter such a water body.

Fuel and Chemical Storage

10. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty (30) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment.
11. The Proponent shall store all chemicals in such a manner that they are inaccessible to wildlife.
12. The Proponent shall report all spills of fuel, or other deleterious materials immediately to the 24 hour Spill Line at (867) 920-8130.

Wildlife

13. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation. Deliberate feeding of any wildlife is absolutely prohibited. The Proponent shall not hunt or fish, unless the appropriate permits and licenses are acquired.
14. The Proponent must avoid raptor nesting sites and concentrations of nesting or molting waterfowl by aircraft/helicopter at all times.
15. Pursuant to the *Migratory Bird Convention Act* Regulations, the Proponent shall not disturb or destroy the nests or eggs of migratory birds. If nests containing eggs or young are encountered, the Proponent shall avoid these areas until nesting is complete and the young have left the nest.
16. The Proponent shall ensure that there is minimal disturbance to any nesting birds and wildlife in the area. Harassment of wildlife is prohibited. This includes persistently worrying or chasing animals, disturbing large groups of animals, hovering or circling animals.
17. In order to reduce disturbance to nesting birds, the Proponent shall ensure that any aircraft used in conducting project activities maintain a flight altitude of at least 610 metres during horizontal (point to point) flight during the nesting season.
18. In order to reduce disturbance to resting, feeding, or moulting birds, the Proponent shall ensure that any aircraft used in conducting project activities maintain a vertical distance of 1000 m and minimum horizontal distance of 1500 m from any observed concentrations (flocks / groups) of birds.
19. The Proponent shall ensure to minimize aircraft disturbance to wildlife. This includes minimizing the number of flights, fly at a time when there are few migratory birds around, plan routes that are likely to have least occurrences of wildlife, use smaller aircrafts when possible, use fixed-wing aircraft rather than helicopters when possible and inform pilots of wildlife sensitive areas.

20. The Proponent shall avoid caribou calving grounds between mid-May and mid-July. Large aggregations of caribou should also be avoided.
21. The Proponent shall follow procedures outlined in the "Territorial Safety in Bear Country Manual", and "Safety in Polar Bear Country", and should contact the Regional Biologist or the Wildlife manager for information and advice on measures which should be taken to minimize the possibility of conflicts/interactions with bears (especially polar bears). Consideration should be given to setting up an electric fence around the camp.
22. In accordance with GN procedures and sections 5.3.52 and 5.6.55 of the Nunavut Land Claims Agreement, the Proponent shall contact the nearest Government of Nunavut Wildlife Office in the event of a defense kill of a Polar Bear.
23. The proponent shall document any wildlife observations (i.e. polar bears, muskoxen, caribou, fox and wolves) in the general vicinity and provide annual reports on these observations to the Regional Wildlife Biologist (Seeglook Akeeagok, 867-975-7800 or sakeeagok@gov.nu.ca). Documentation shall include, location, species, number of animals, a description of the animals activity, and a description of the gender and age of animals if possible (i.e. female caribou and calf). The location shall be marked on a 1:50,000 scale map.

Physical Environment

24. 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.
25. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

Camp Sites

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

Archaeological

28. The Proponent shall ensure that any archaeological or palaeontological sites encountered are not disturbed.
29. The Proponent should be aware of the law regarding disturbance of archaeological and palaeontological sites and the removal of artifacts found. If a site is found it should remain undisturbed and its location should be reported to the Government of Nunavut Department of Culture, Language, Elders and Youth. See attached **Appendix B**.

Restoration

30. The Proponent shall remove all garbage, fuel and equipment upon abandonment.
31. The Proponent shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.

Other

32. The Proponent should, to the extent possible, hire local people and to consult with local residents regarding their activities in the region.

Validity of Land Claims Agreement

Section 2.12.2

Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated Thursday, March 16, 2007 at Cambridge Bay, NU.



Lucassie Arragutainaq, Acting Chairperson

Attachments: Appendix A- File History
 Appendix B-Archaeological and Palaeontological Resources Terms and Conditions for Land Use
 Permit Holders.

APPENDIX A – FILE HISTORY

On November 29, 2006 the Nunavut Impact Review Board (NIRB or Board) received an application from Indian and Northern Affairs Canada (INAC) for the Haughton-Mars project proposal (Mars Institute). After a pre-screening review it was determined that NIRB required additional information from the Mars Institute prior to commencing the Part 4 Screening for the Haughton-Mars project. On January 31, 2007, NIRB received the additional information from the Mars Institute necessary to commence the screening process.

This application was distributed on February 6, 2007 to interested Parties on NIRB's distribution list. NIRB requested that interested Parties review the application and provide NIRB with appropriate comments.

Project Description

The Haughton-Mars Project (HMP) on Devon Island is an ongoing international research project with three main goals:

- a) Space Science: To advance our knowledge of planets (Earth, Moon, Mars, and beyond) through comparative studies & to investigate Life in extreme environments;
- b) Space Exploration: To prepare for future space and planetary exploration with robots and humans, including testing future Mars rovers and supporting astronaut training; and,
- c) To share with the public the excitement of space science and exploration.

Haughton Crater and surrounding terrain on Devon Island are of great scientific value for Earth, Space and Life Sciences Research. The site presents many exceptional attributes not found elsewhere on Earth, in particular the presence of a large, well-preserved meteorite impact crater and other unique terrain features similar to the Moon or Mars. Devon Island has been used by the Haughton-Mars Project (HMP) for this type of research since the project began in 1997. The base camp for this project is called the Haughton-Mars Project Research Station or HMP RS.

Current plans of government space agencies around the world include the possibility of sending humans to the Moon by 2017-2025 and on to Mars in 2025-2035. The Haughton-Mars Project plans to continue conducting research to help achieve these goals and also possibly the next steps beyond. It is anticipated that the HMP RS will continue to be operated in support of these endeavors until at least 2017 and possibly beyond.

The project activities include:

- Continued operation of the Haughton-Mars Project Research Station with minor camp facility upgrades
- Temporary camping facilities
- Addition of occasional temporary research structures
- Fuel storage
- Air surveys
- Use of on-site mechanized vehicles
- Generation of wastes and use of water
- Geoscientific soil and borehole core sampling

- Research activities including testing and validation of new technologies and approaches for space exploration using rovers, habitats, tools and instruments.

Comments

NIRB received comments from the Government of Nunavut, Department of Environment (DOE) and the Government of Nunavut Department of Culture Language Elders and Youth on February 16, 2007.

Government of Nunavut, Department of Environment

DOE had comments and recommendations in regards to aircraft disturbance on wildlife, polar bear interactions and collection of wildlife observations. These recommendations have been attached in Appendix A.

DOE recommended that the proponent documents any wildlife observations (i.e. polar bear, muskoxen, caribou, fox and wolves) in the general vicinity of their operations and encourages the proponent to provide the reports on wildlife observations annually to the Regional Wildlife Biologist (Seeglook Akeegok).

Government of Nunavut Department of Culture Language Elders and Youth

The GN-CLEY provided archaeological and palaeontological resources terms and conditions for land use permit holders. These recommendations have been attached as Appendix B to the list of terms and conditions for your consideration.

GN-CLEY recommended approval of the application on the condition that the proponent's activities avoid known archaeological sites listed.



SCREENING DECISION REPORT NIRB FILE NO.: 06LN083

APPENDIX B



BACKGROUND

Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

The archaeological record of the Inuit of Nunavut is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence, which shall be expressed in terms of special rights and responsibilities. [33.2.1]

The archaeological record of Nunavut is of spiritual, cultural, religious and educational importance to Inuit. Accordingly, the identification, protection and conservation of archaeological sites and specimens and the interpretation of the archaeological record is of primary importance to Inuit and their involvement is both desirable and necessary. [33.2.2]

In recognition of the cultural, spiritual and religious importance of certain areas in Nunavut to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of the Nunavut Land Claims Agreement. [33.2.5]

Palaeontology

Under the Nunavut Act¹, the federal government can make regulations for the protection, care and preservation of palaeontological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*², it is illegal to alter or disturb any palaeontological site in Nunavut unless permission is first granted through the permitting process.

¹ s. 51(1)

² P.C. 2001-1111 14 June, 2001

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 Nunavut Land Claims Agreement.

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

“fossil” includes:

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

Terms and Conditions

- 1) The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.
- 2) The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.
- 3) The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.
- 4) The permittee 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 the Department of Culture, Language, Elders and Youth, Government of Nunavut.
- 5) The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.
- 6) The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.
- 7) The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and artifacts, and palaeontological sites and fossils.
- 8) The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.

9) The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:

- a) survey
- b) inventory and documentation of the archaeological or palaeontological resources of the land use area
- c) assessment of potential for damage to archaeological or palaeontological sites
- d) mitigation
- e) marking boundaries of archaeological or palaeontological sites
- f) site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.



Borden No.	QeJl-1	Class.	prehistoric
Latitude	74 40 25 N		
Longitude	091 41 26 W	Borden No.	QeJj-1
Map No.	58E/12	Latitude	74 40 00 N
Class.	historic; prehistoric; indigenous historic	Longitude	091 19 59 W
		Map No.	58E
		Class.	undetermined
Borden No.	QeJl-2	Borden No.	RdJg-1
Latitude	74 43 12 N	Latitude	76 30 20 N
Longitude	091 50 24 W	Longitude	090 08 00 W
Map No.	58E/12	Map No.	59A
Class.	historic	Class.	undetermined
Borden No.	QeJl-3	Borden No.	RdJi-1
Latitude	74 42 28 N	Latitude	76 34 30 N
Longitude	091 48 29 W	Longitude	090 43 20 W
Map No.	58E/12	Map No.	59A
Class.	historic	Class.	prehistoric
Borden No.	QjJm-1	Borden No.	RdJh-1
Latitude	75 32 40 N	Latitude	76 30 20 N
Longitude	092 13 44 W	Longitude	090 32 30 W
Map No.	58G	Map No.	59A
Class.	historic	Class.	prehistoric
Borden No.	QeJl-4	Borden No.	RdJh-2
Latitude	74 46 15 N	Latitude	76 30 20 N
Longitude	091 56 42 W	Longitude	090 33 30 W
Map No.	58E/13	Map No.	59A
Class.	historic	Class.	prehistoric
Borden No.	QdHh-1	Borden No.	RcJh-3
Latitude	74 34 56 N	Latitude	76 29 55 N
Longitude	082 25 38 W	Longitude	090 34 00 W
Map No.	48E/11 48E/6	Map No.	59A
Class.	prehistoric	Class.	prehistoric
Borden No.	QdHh-2	Borden No.	RcHw-1
Latitude	74 31 30 N	Latitude	76 24 50 N
Longitude	082 27 05 W	Longitude	087 25 00 W
Map No.	48E/11 48E/6	Map No.	49B
Class.	prehistoric; indigenous historic; contemporary	Class.	prehistoric
Borden No.	QjHv-1	Borden No.	RcHw-2
Latitude	75 35 06 N	Latitude	76 25 10 N
Longitude	087 07 17 W	Longitude	087 26 00 W
Map No.	48G	Map No.	49B
Class.	undetermined	Class.	prehistoric
Borden No.	QkHl-1	Borden No.	RcHw-3
Latitude	75 48 30 N	Latitude	76 25 30 N
Longitude	083 58 54 W	Longitude	087 27 00 W
Map No.	48H 38G	Map No.	49B
		Class.	prehistoric

Borden No.	RcHw-4	Latitude	76 31 34 N
Latitude	76 23 00 N	Longitude	082 05 43 W
Longitude	087 31 00 W	Map No.	49A
Map No.	49B	Class.	undetermined
Class.	prehistoric		
Borden No.	RcHw-5	Borden No.	QdJj-1
Latitude	76 21 30 N	Latitude	74 39 02 N
Longitude	087 26 00 W	Longitude	091 07 47 W
Map No.	49B	Map No.	58E/12
Class.	prehistoric; indigenous historic	Class.	prehistoric; indigenous historic; historic
Borden No.	RcHw-6	Borden No.	QeJj-8
Latitude	76 21 25 N	Latitude	74 42 21 N
Longitude	087 25 00 W	Longitude	091 11 22 W
Map No.	49B	Map No.	58E/12
Class.	prehistoric	Class.	undetermined
Borden No.	RcHw-7	Borden No.	QeJj-4
Latitude	76 21 00 N	Latitude	74 41 55 N
Longitude	087 25 00 W	Longitude	091 11 33 W
Map No.	49B	Map No.	58E/12
Class.	prehistoric	Class.	prehistoric; indigenous historic; historic
Borden No.	RcHw-8	Borden No.	QeJj-2
Latitude	76 20 15 N	Latitude	74 42 02 N
Longitude	087 37 00 W	Longitude	091 12 11 W
Map No.	49B	Map No.	58E/12
Class.	prehistoric	Class.	prehistoric; historic
Borden No.	RcHg-1	Borden No.	QeJj-6
Latitude	76 23 40 N	Latitude	74 42 22 N
Longitude	082 16 00 W	Longitude	091 17 46 W
Map No.	49A	Map No.	58E/12
Class.	prehistoric	Class.	prehistoric
Borden No.	RcHi-1	Borden No.	QeJi-1
Latitude	76 25 20 N	Latitude	74 40 58 N
Longitude	082 54 00 W	Longitude	090 44 35 W
Map No.	49A	Map No.	58E/11
Class.	prehistoric	Class.	prehistoric
Borden No.	RcHv-1	Borden No.	QeJi-2
Latitude	76 25 00 N	Latitude	74 43 17 N
Longitude	087 06 30 W	Longitude	090 46 14 W
Map No.	49B	Map No.	58E/11
Class.	prehistoric	Class.	prehistoric
Borden No.	RbHa-1	Borden No.	QeJi-3
Latitude	76 13 42 N	Latitude	74 43 42 N
Longitude	080 05 00 W	Longitude	090 49 08 W
Map No.	49A	Map No.	58E/11
Class.	undetermined		
Borden No.	RdHg-2		

Class.	prehistoric	Borden No.	QeJi-11
		Latitude	74 49 43 N
Borden No.	QeJi-4	Longitude	090 55 15 W
Latitude	74 42 01 N	Map No.	58E/14
Longitude	090 59 52 W	Class.	prehistoric
Map No.	58E/11		
Class.	prehistoric	Borden No.	QeJi-12
		Latitude	74 49 29 N
Borden No.	QeJj-7	Longitude	090 56 53 W
Latitude	74 42 29 N	Map No.	58E/14
Longitude	091 00 53 W	Class.	prehistoric
Map No.	58E/12		
Class.	prehistoric	Borden No.	QeJi-10
		Latitude	74 48 12 N
Borden No.	QeJi-5	Longitude	090 57 55 W
Latitude	74 44 51 N	Map No.	58E/14
Longitude	090 58 00 W	Class.	undetermined
Map No.	58E/11		
Class.	prehistoric	Borden No.	QeJj-3
		Latitude	74 43 20 N
Borden No.	QeJi-6	Longitude	091 13 28 W
Latitude	74 45 12 N	Map No.	58E/12
Longitude	090 57 11 W	Class.	prehistoric
Map No.	58E/14		
Class.	prehistoric	Borden No.	QdJj-2
		Latitude	74 37 43 N
Borden No.	QeJi-7	Longitude	091 17 44 W
Latitude	74 45 31 N	Map No.	58E/12
Longitude	090 55 39 W	Class.	undetermined
Map No.	58E/14		
Class.	prehistoric	Borden No.	QeJj-5
		Latitude	74 40 52 N
Borden No.	QeJi-8	Longitude	091 16 17 W
Latitude	74 46 31 N	Map No.	58E/12
Longitude	090 52 24 W	Class.	prehistoric
Map No.	58E/14		
Class.	prehistoric	Borden No.	QkHl-3
		Latitude	75 48 13 N
Borden No.	QeJi-9	Longitude	083 44 53 W
Latitude	74 48 47 N	Map No.	48H 38G
Longitude	090 48 54 W	Class.	prehistoric
Map No.	58E/14		
Class.	prehistoric	Borden No.	QkHl-2
		Latitude	75 48 54 N
Borden No.	QfJi-1	Longitude	083 42 12 W
Latitude	74 52 35 N	Map No.	48H 38G
Longitude	090 51 41 W	Class.	prehistoric;
Map No.	58E/14		historic
Class.	prehistoric	Borden No.	RbHd-1
		Latitude	76 12 25 N
Borden No.	QfJi-2	Longitude	081 00 30 W
Latitude	74 50 19 N	Map No.	49A
Longitude	090 55 25 W	Class.	prehistoric
Map No.	58E/14		
Class.	undetermined	Borden No.	RbHd-2

Latitude	76 15 05 N	Map No.	48H 38G
Longitude	081 02 00 W	Class.	prehistoric;
Map No.	49A		contemporary
Class.	undetermined		
Borden No.	QkHI-4	Borden No.	QkHI-13
Latitude	75 48 47 N	Latitude	75 48 20 N
Longitude	083 42 23 W	Longitude	083 58 11 W
Map No.	48H 38G	Map No.	48H 38G
Class.	prehistoric	Class.	undetermined
Borden No.	QkHI-5	Borden No.	QkHI-14
Latitude	75 48 38 N	Latitude	75 48 24 N
Longitude	083 42 32 W	Longitude	083 58 16 W
Map No.	48H 38G	Map No.	48H 38G
Class.	prehistoric	Class.	contemporary
Borden No.	QkHI-6	Borden No.	QkHI-15
Latitude	75 48 36 N	Latitude	75 48 38 N
Longitude	083 44 04 W	Longitude	083 58 51 W
Map No.	48H 38G	Map No.	48H 38G
Class.	undetermined	Class.	prehistoric
Borden No.	QkHI-7	Borden No.	QkHI-16
Latitude	75 48 29 N	Latitude	75 48 44 N
Longitude	083 46 29 W	Longitude	083 59 03 W
Map No.	48H 38G	Map No.	48H 38G
Class.	indigenous historic	Class.	prehistoric
Borden No.	QkHI-8	Borden No.	QkHI-17
Latitude	75 48 27 N	Latitude	75 48 49 N
Longitude	083 49 00 W	Longitude	083 59 24 W
Map No.	48H 38G	Map No.	48H 38G
Class.	indigenous historic	Class.	prehistoric
Borden No.	QkHI-9	Borden No.	QkHI-18
Latitude	75 47 21 N	Latitude	75 48 55 N
Longitude	083 54 54 W	Longitude	083 59 59 W
Map No.	48H 38G	Map No.	48H 38G
Class.	undetermined	Class.	prehistoric
Borden No.	QkHI-10	Borden No.	QkHm-1
Latitude	75 47 28 N	Latitude	75 48 50 N
Longitude	083 54 56 W	Longitude	084 00 00 W
Map No.	48H 38G	Map No.	48G
Class.	undetermined	Class.	prehistoric
Borden No.	QkHI-11	Borden No.	QkHI-19
Latitude	75 48 39 N	Latitude	75 48 16 N
Longitude	083 57 54 W	Longitude	083 54 17 W
Map No.	48H 38G	Map No.	48H 38G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHI-12	Borden No.	QkHI-20
Latitude	75 48 42 N	Latitude	75 48 26 N
Longitude	083 58 17 W	Longitude	083 52 01 W
		Map No.	48H 38G

Class.	prehistoric	Borden No.	QkHn-4
Borden No.	QkHI-21	Latitude	75 41 41 N
Latitude	75 48 31 N	Longitude	084 35 46 W
Longitude	083 52 07 W	Map No.	48G
Map No.	48H 38G	Class.	undetermined
Class.	prehistoric		
Borden No.	QkHI-22	Borden No.	QkHn-5
Latitude	75 48 31 N	Latitude	75 41 43 N
Longitude	083 52 07 W	Longitude	084 35 59 W
Map No.	48H 38G	Map No.	48G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHI-23	Borden No.	QkHn-6
Latitude	75 48 35 N	Latitude	75 41 43 N
Longitude	083 52 11 W	Longitude	084 34 14 W
Map No.	48H 38G	Map No.	48G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHI-24	Borden No.	QkHn-7
Latitude	75 48 35 N	Latitude	75 41 36 N
Longitude	083 52 11 W	Longitude	084 34 48 W
Map No.	48H 38G	Map No.	48G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHI-25	Borden No.	QkHn-8
Latitude	75 48 38 N	Latitude	75 41 34 N
Longitude	083 52 38 W	Longitude	084 34 17 W
Map No.	48H 38G	Map No.	48G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHI-26	Borden No.	QkHn-9
Latitude	75 48 35 N	Latitude	75 41 49 N
Longitude	083 53 41 W	Longitude	084 34 30 W
Map No.	48H 38G	Map No.	48G
Class.	prehistoric	Class.	undetermined
Borden No.	QkHn-1	Borden No.	QkHn-10
Latitude	75 41 47 N	Latitude	75 41 50 N
Longitude	084 36 21 W	Longitude	084 34 02 W
Map No.	48G	Map No.	48G
Class.	prehistoric; indigenous historic	Class.	prehistoric; contemporary
Borden No.	QkHn-2	Borden No.	QkHn-11
Latitude	75 41 34 N	Latitude	75 41 42 N
Longitude	084 36 30 W	Longitude	084 33 42 W
Map No.	48G	Map No.	48G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHn-3	Borden No.	QkHn-12
Latitude	75 41 44 N	Latitude	75 41 44 N
Longitude	084 36 58 W	Longitude	084 33 33 W
Map No.	48G	Map No.	48G
Class.	undetermined	Class.	prehistoric; indigenous historic

Borden No.	QkHn-13	Borden No.	QkHn-22
Latitude	75 41 43 N	Latitude	75 41 57 N
Longitude	084 33 19 W	Longitude	084 27 24 W
Map No.	48G	Map No.	48G
Class.	prehistoric	Class.	prehistoric
Borden No.	QkHn-14	Borden No.	QkHn-23
Latitude	75 41 06 N	Latitude	75 42 09 N
Longitude	084 34 31 W	Longitude	084 27 13 W
Map No.	48G	Map No.	48G
Class.	undetermined	Class.	prehistoric; indigenous historic
Borden No.	QkHn-15	Borden No.	QkHn-24
Latitude	75 41 43 N	Latitude	75 41 38 N
Longitude	084 32 31 W	Longitude	084 38 18 W
Map No.	48G	Map No.	48G
Class.	prehistoric	Class.	undetermined
Borden No.	QkHn-16	Borden No.	QkHn-25
Latitude	75 42 01 N	Latitude	75 41 28 N
Longitude	084 31 17 W	Longitude	084 37 44 W
Map No.	48G	Map No.	48G
Class.	undetermined	Class.	undetermined
Borden No.	QkHn-17	Borden No.	QkHo-1
Latitude	75 41 48 N	Latitude	75 41 54 N
Longitude	084 30 38 W	Longitude	084 41 12 W
Map No.	48G	Map No.	48G
Class.	prehistoric	Class.	undetermined
Borden No.	QkHn-18	Borden No.	QkHo-2
Latitude	75 41 59 N	Latitude	75 41 51 N
Longitude	084 29 45 W	Longitude	084 41 32 W
Map No.	48G	Map No.	48G
Class.	undetermined	Class.	undetermined
Borden No.	QkHn-19	Borden No.	QkHo-3
Latitude	75 42 04 N	Latitude	75 41 41 N
Longitude	084 29 15 W	Longitude	084 40 38 W
Map No.	48G	Map No.	48G
Class.	undetermined	Class.	undetermined
Borden No.	QkHn-20	Borden No.	QkHo-4
Latitude	75 42 04 N	Latitude	75 41 34 N
Longitude	084 28 31 W	Longitude	084 40 13 W
Map No.	48G	Map No.	48G
Class.	prehistoric; indigenous historic	Class.	undetermined
Borden No.	QkHn-21	Borden No.	QkHo-5
Latitude	75 41 57 N	Latitude	75 41 25 N
Longitude	084 27 47 W	Longitude	084 40 03 W
Map No.	48G	Map No.	48G
Class.	undetermined	Class.	undetermined
		Borden No.	QkHn-26

Latitude 75 41 26 N
 Longitude 084 39 17 W
 Map No. 48G
 Class. undetermined

Borden No. QkHn-27
 Latitude 75 41 12 N
 Longitude 084 38 45 W
 Map No. 48G
 Class. prehistoric;
 indigenous historic;
 historic

Borden No. QkHn-28
 Latitude 75 40 12 N
 Longitude 084 37 23 W
 Map No. 48G
 Class. prehistoric

Borden No. QjHn-1
 Latitude 75 39 09 N
 Longitude 084 39 04 W
 Map No. 48G
 Class. prehistoric

Borden No. RaHd-1
 Latitude 76 08 25 N
 Longitude 081 00 30 W
 Map No. 49A
 Class. undetermined

Borden No. RaHc-1
 Latitude 76 08 15 N
 Longitude 080 59 20 W
 Map No. 49A
 Class. undetermined

Borden No. RaHe-2
 Latitude 76 09 50 N
 Longitude 081 34 00 W
 Map No. 49A
 Class. undetermined

Borden No. RbHb-1
 Latitude 76 11 00 N
 Longitude 080 32 30 W
 Map No. 49A
 Class. undetermined

Borden No. RbHb-2
 Latitude 76 11 35 N
 Longitude 080 26 00 W
 Map No. 49A
 Class. undetermined

Borden No. RbHb-3

Latitude 76 11 55 N
 Longitude 080 24 00 W
 Map No. 49A
 Class. undetermined

Borden No. RbHb-4
 Latitude 76 12 40 N
 Longitude 080 21 00 W
 Map No. 49A
 Class. prehistoric

Borden No. RbHa-2
 Latitude 76 14 10 N
 Longitude 080 14 00 W
 Map No. 49A
 Class. undetermined

Borden No. RdHg-1
 Latitude 76 31 50 N
 Longitude 082 04 30 W
 Map No. 49A
 Class. undetermined

Borden No. RcHf-1
 Latitude 76 28 20 N
 Longitude 081 48 30 W
 Map No. 49A
 Class. undetermined

Borden No. RcHe-1
 Latitude 76 28 10 N
 Longitude 081 30 00 W
 Map No. 49A
 Class. undetermined

Borden No. RcHi-2
 Latitude 76 23 30 N
 Longitude 082 49 00 W
 Map No. 49A
 Class. undetermined