

August 20, 2001

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NOTIFICATION OF RESEARCH

PLEASE BE ADVISED THAT SCIENCE RESEARCH LICENCE No. 0300301N-A HAS BEEN ISSUED TO:

Steve Moore
EBA Engineering Consultants Ltd.
#201, 4916 - 49 Street
Yellowknife, NWT
X1A 2P7 Canada
867-920-2287

TO CONDUCT THE FOLLOWING STUDY:

Baseline Vegetation Studies at Ferguson Lake

SEP 07 2001

SUMMARY OF RESEARCH:

Vegetation and terrain baseline studies will be required in order to assess current conditions and determine potential project impacts. Information collected in these studies will allow scientifically sound analyses of potential effects and will allow assessment of wildlife habitat capability. The objective of the vegetation component of this study is to characterize the existing vegetation potentially impacted by the proposed development, to determine the impacts and to recommend mitigation measures to minimize potential effects. Detailed vegetation plots will be carried out. This will include examining plant communities and assigning them habitat names and plotting them on topographic maps. The purpose of these plots is to confirm the vegetation community types in the area around Ferguson Lake.

TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions (attached) from the Nunavut Impact Review Board Screening Decision Report and by the Department of Culture, Language, Elders and Youth archeological sites terms and conditions. These terms and conditions will form part of this licence

THE STUDY WILL BE CONDUCTED AT: Ferguson Lake, NU

BETWEEN: June 15, 2001 - August 20, 2001.

Mary Ellen Thomas
Manager, Research Liaison

SCIENTIFIC RESEARCH LICENCE

LICENCE # 0300301N-A

ISSUED TO: Steve Moore
EBA Engineering Consultants Ltd.
#201, 4916 - 49 Street
Yellowknife, NWT
X1A 2P7 Canada

TEAM MEMBERS: R. Cook, Wildlife Tech and a local assistant
AFFILIATION: EBA Engineering Consultants Ltd.
TITLE: Baseline Vegetation Studies at Ferguson Lake

OBJECTIVES OF RESEARCH:

Vegetation and terrain baseline studies will be required in order to assess current conditions and determine potential project impacts. Information collected in these studies will allow scientifically sound analyses of potential effects and will allow assessment of wildlife habitat capability. The objective of the vegetation component of this study is to characterize the existing vegetation potentially impacted by the proposed development, to determine the impacts and to recommend mitigation measures to minimize potential effects. Detailed vegetation plots will be carried out. This will include examining plant communities and assigning them habitat names and plotting them on topographic maps. The purpose of these plots is to confirm the vegetation community types in the area around Ferguson Lake.

TERMS & CONDITIONS:

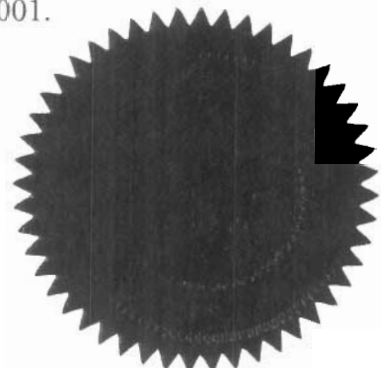
The holder of the licence will be bound by the terms and conditions (attached) from the Nunavut Impact Review Board Screening Decision Report and by the Department of Culture, Language, Elders and Youth archeological sites terms and conditions. These terms and conditions will form part of this licence

DATA COLLECTION IN NU:

DATES: June 15, 2001-August 20, 2001
LOCATION: Ferguson Lake, NU

Scientific Research Licence 0300301N-A expires on December 31, 2001.
Issued at Iqaluit, NU on August 20, 2001.


Bruce Rigby
Science Advisor



Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

Box 1720, Iqaluit, NT X0A 0H0 phone:(867) 979-4108 fax: (867) 979-4681 e-mail: slcnri@nunanet.com

DISTRIBUTION:

Environmental Assessment Screener, NIRB
Lands Administrator, Kivalliq Inuit Association
Executive Director, NWB
Assistant Director, NWMB
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Chairperson HTO, Rankin
Area Manager, DFO
Executive Director, NPC

August 20, 2001

Steve Moore
EBA Engineering Consultants Ltd.
#201, 4916 - 49 Street
Yellowknife, NWT
X1A 2P7 Canada
867-873-3324

RE: 2001 Science Research Licence

Please find enclosed your 2001 Research Licence No. **0300301N-A** which was prepared under the *NUNAVUT SCIENTISTS ACT*. Should you require further support from either of NRI's Research Centres, please contact the Centre Managers to discuss your research needs.

Consistent with the Scientists Act, researchers issued licences must submit to NRI an *Annual Summary Report* of their research. Upon completion of your field work in the Nunavut, please ensure that you submit a 500-1000 word non-technical *Annual Summary* of your research activities and findings within one year from the date of licence issue, or with any new project application, whichever ever is earlier. To ensure maximum accessibility of your research results to Nunavut residents, we require that you provide us with an Inuktitut translation of your *Annual Summary Report*. A list of translators is available from the Nunavut Research Institute upon request. We also require a copy of your *Final Report* and would appreciate copies of papers that you publish. Computer disk copies of reports, in Word Perfect or Microsoft Word, would be most appreciated for posting on the NRI web site (www.nunanet.com/~research).

Thank-you in advance for assisting in the promotion and development of a scientific research community and database within Nunavut. The reports and information you provide are utilized to prepare an annual research compendium, which is distributed to communities and organizations in Nunavut as well as to researchers across Canada.

Please accept our best wishes for success in your research project.

Sincerely,

Mary Ellen Thomas
Manager, Research Liaison



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SCREENING DECISION

Date: August 16, 2001

Hon. Peter Kattuk
Minister of Culture, Language, Elders & Youths
Iqaluit, NU X0A 0H0

Dear Minister:

RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:

NIRB 01YN090

NRI

Baseline Vegetation Studies at Ferguson Lake – Steve Moore

Authority:

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.

Primary Objectives:

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.

The decision of the Board in this case 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;

Reasons for Decision:

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

- the impact and disturbance to wildlife and wildlife habitat;
- the impact and disturbance to birds and bird habitat;
- the impact and disposal of any garbage and wastes;
- the impact to terrain and archeological sites in the area, and
- community support for the project

Terms and Conditions:

- That the terms and conditions attached to this screening report will apply.

Fuel Storage

1. The Permittee shall ensure that any chemicals, fuels or wastes associated with the project do not spread to the surrounding lands or enter into any water body.
2. The Permittee shall have a spill clean up kit located on site including equipment such as absorbent pads, shovels etc.
3. The Permittee shall immediately report all spills of petroleum and hazardous chemicals to the twenty four (24) hour spill report line at (867) 920-8130.

Waste Disposal

4. The Permittee shall not discharge or deposit any refuse substances or other waste materials in any body of water, which will impair the quality of the waters of the natural environment.
5. The Permittee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.

Wildlife

6. The Permittee shall not feed wildlife.
7. The Permittee shall ensure that there is minimal disturbance to any nesting birds and wildlife in the area.
8. The Permittee shall ensure that there is no damage to wildlife habitat in conducting this research.
9. The Permittee shall ensure that aircraft pilots adhere to recommended flight altitudes of greater than 300m above ground level as to not disturb wildlife. Aircraft should avoid concentrations of caribou and nesting or molting waterfowl at all times.
10. The harmful alteration, disruption or destruction of fish habitat is prohibited under the Fisheries Act.
11. The Permittee 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.

12. The proponent shall not hunt or fish, unless the appropriate permits and licenses are acquired from a Renewable Resources Officer.

Environmental

13. The Permittee shall use the existing Starfield Resources Facilities.
14. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
15. The Permittee shall be required to undertake any corrective measures in the event of any damage to the land as a result of the Permittee's operation.
16. The Permittee shall undertake only the research activities specified in their permit application.

Archaeological Sites

17. The Permittee shall follow all terms and conditions for the protection and restoration of archaeological resources as outlined by the Department of Culture, Language, Elders and Youths (CLEY) in the attached letter.

Reclamation

18. The Permittee shall remove all equipment, from the site upon abandonment.

Other Recommendations

1. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
2. NIRB strongly advises proponents to consult with local residents regarding their activities in the region and that the results of the research be presented to the community in the community's preferred language.
3. Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.

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 Aug 16/01 at Arviat, NU

Elizabeth Copland
Elizabeth Copland, A/Chairperson

Attachment: NIRB Screening Form
c.c. NRI, Iqaluit, Nunavut



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Department of
Culture, Language, Elders & Youth

Pithohijikioni

Ministère du gouvernement
Culture Langues, Aînés et Jeunesse

July 27, 2001

Gladys Joudrey
Environmental Assessment Screener
Nunavut Impact Review Board
Box 2379
Cambridge Bay, NU X0E 0C0

Re: Land Use Application NIRB 01YN090 Baseline Vegetation Studies at Ferguson Lake. (Steve Moore, EBA Engineering Consultants Ltd.)

Due Date: August 7, 2001

Dear Ms. Joudrey:

At your request, the Department of Culture and Heritage, Government of Nunavut, has reviewed the above-noted application. Our recommendations follow.

We recommend approval of the above-cited application, as the proponent's proposed activities do not constitute a threat to known archaeological resources.

The attached conditions specify plans and methods of site protection and restoration to be followed by the permittee if an archaeological site is encountered or disturbed in the course of the land use activity.

Sincerely,


Leah Otak, Director
Culture and Heritage
Department of Culture, Language, Elders and Youth



Encl.



ARCHAEOLOGICAL RESOURCES: TERMS AND CONDITIONS

BACKGROUND

- I. 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.

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.

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 Claim Agreement.

- II. As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*:

"Archaeological artifact" means any tangible evidence of human activity that is more than 50 years old, 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.

"Archaeological site" means a site where an archaeological artifact is found.

- III. Any new Terms and Conditions raising issues found in ss. 10 and 16 of the Territorial Land Use Regulations should duplicate statutory sections, or be stricter, but not more lenient in terms of protection of archaeological resources.
- IV.
 1. The permittee shall not operate any vehicle over a known or suspected archaeological site.
 2. The permittee shall not remove, disturb or displace any archaeological specimen or site.
 3. The permittee shall contact the Department of Culture, Language, Elders and Youth (867-975-5500) and DIAND officials should an archaeological site or specimen be encountered or disturbed by any land use activity.
 4. The permittee shall immediately cease any activity which disturbs an archaeological or historical 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, Iqaluit.
 5. The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological sites to an acceptable condition.
 6. The permittee shall provide information to the Department of Culture, Language, Elders and Youth about each archaeological site or specimen encountered by any land use activity, by completing the attached form.

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 specimens.
8. The permittee shall avoid the known archaeological sites as listed in Attachment #1
9. The permittee shall have an archaeologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth: survey, inventory and documentation of the archaeological and historical resources of the land use area; assessment of potential for damage to archaeological sites; mitigation; marking boundaries of archaeological sites for avoidance; restoration. The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit all procedures subsumed under the above operations.