

May 30, 2003

TO: Phyllis Beaulieu
A/Licensing Administrator
Nunavut Water Board
Gjoa Haven, NU

Re: Borden Basin Lithostratigraphy, Structural Geology & Metallogeny (Elizabeth

Turner)

NIRB: #03YN060 NWB: NWB2BOR

Enclosed is the completed NIRB Screening Decision Report for the above-mentioned application.

NIRB has screened this application for ecosystemic and socio-economic impacts of the proposal.

NIRB's indication to the Minister is: 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;

Please contact Stephanie Briscoe, Executive Director at (867) 983-2593 if you have any questions about the Screening Report.

Yours truly,



Gladys Joudrey
Senior Environmental Assessment Officer
Nunavut Impact Review Board
P.O. Box 2379
Cambridge Bay, NU XOB OCO

Tel: (867) 983-2593 Fax: (867) 983-2574

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Date: May 30, 2003

Mr. Thomas Kudloo Chairperson, Nunavut Water Board Gjoa Haven, NT

Dear Mr. Kudloo:

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

NIRB 03YN060 NRI NWB NWB2BOR

Borden Basin Lithostratigraphy, Structural Geology & Metallogeny (Elizabeth Turner)

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:

- storage and disposal of equipment, fuel, garbage, sewage, and grey water, and the potential impacts of these on the ecosystem;
- the potential impact and disturbance to wildlife and wildlife habitat;
- the potential impact to terrain and archaeological sites in the area;
- · clean up/restoration of the site upon abandonment; and
- community concerns

Terms and Conditions:

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

Fuel Storage

- 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.
- The Permittee shall ensure that fuel storage containers are not located within thirty (30) metres of the ordinary high water mark of any body of water.
- The Permittee shall have a spill clean up kit located on site including equipment such as absorbent pads, shovels etc.
- The Permittee shall immediately report all spills of petroleum and hazardous to the twentyfour (24) hour spill report line at (867) 920-8130.
- The Permittee shall use drip pans, or other such preventative measures when refueling equipment on site.

Waste Disposal

- 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.
- 7. The Permittee shall not locate any sumps or areas designated for waste disposal within thirty (30) metres of the ordinary high water mark of any body of water, unless otherwise authorized.
- The Permittee shall construct a sump to contain all greywater discharged and shall ensure drainage is away from any waterbody.
- The Permittee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the permit.
- 10. The Permittee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.

Wildlife

- 11. The Permittee shall ensure that there is no damage or disturbance to wildlife or their habitat in conducting this operation.
- 12. The Permittee shall not feed wildlife.
- 13. 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 of any type in water frequented by fish or in any place under any conditions where the deleterious substance may enter such a water body.
- 14. The Permittee shall ensure that aircraft pilots adhere to recommended flight altitudes of greater than 300m above ground level as to not disturb wildlife.
- 15. The Permittee shall not hunt or fish, unless the appropriate permits and licenses are acquired from a Renewable Resources Officer.
- 16. The Permittee use the latest bear detection and deterrent techniques to minimize man-bear interactions and shall report any Man-Bear Interactions to the nearest GN Renewable Resource Officer.

Environmental

- 17. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
- 18. The Permittee shall locate all camps on gravel, sand or other durable land.
- 19. The Permittee shall not erect camps or store materials on the ice surface of lakes or streams.
- 20. The Permittee shall choose camping sites so that they are not in sensitive areas e.g. areas of plant growth or water logged soil, breeding areas of birds etc.
- 21. The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.
- 22. 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.

Archaeological Sites

23. 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 attached letter.

Reclamation

24. The Permittee shall remove all equipment, including garbage and fuel, from the site upon abandonment.

Other Recommendations

- NIRB would like to encourage the proponent to hire local people and services, to the
 extent possible.
- 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 communities in the
 community's preferred language and to NIRB in the form of a written report.
- Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.

Volidity 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

at Arviat, NU

Elizabeth Cophund, Chairperson

From-

05-30-03 01:08pm From-

T-717 P.006/023 F-310

04/13/2003 09:17

867-439-8767

HAMLET OF ARCTIC BAY

PAGE 82

10-Apr-2003 05:16pm From-Nunavut Impact Review Board

Y-626 P.003/018 F-833

COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and finure residents of Nunavut. In order to assess the environmental and scio-economic impacts of the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Borden Basin Lithostratigraphy, Structural Geology, and Metallogeny			
Proponent: Elizabeth Turner			
Location: North Baffin, Nunavut			
Comments Due By: Thursday, M.		NIRB#:	03YN060
Indicate your concerns about the pr	roject proposal b	elow:	
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□ water quality	🖺 Kunit harve:	ting scrivines	
1 terrain	ii community	involvement and co	nsultation
⊔ air quality	D local devel	opused in the area	
a wildlife and their habitat	U toucism in (the area	
I marine mammals and their habitat	🗆 kumm hea	lth issues	
in birds and their habitat	O other:		
☐ fish and their habitat	(25 No. 20)		
Li heritage resources in area			
Please describe the concerns indicat	ed above:		
Do you have any suggestions or recommendations for this application?			
Do you support the project proposa	12 Ves TV No. II	A Iditional	
Du you support the project proposa	7 TO E 140 []	Tany according to	the last the
This project was also submitted by the Munaral Research Institute Council			
Munaret Research Institute, Council			
Minutes of the 10 mustine			
reviewed in an week of lighten many			
m april 10 2003 and approved it			
on april 10 2003 and approved it			
Name of person commenting: Civil Marshall of antic Bay			
Position: 5 A O Organization: Hamlet it anti- Bay			
	stull Da		0 116 12 2021 0
Date of the state			

T-591 P.01/03 Job-306

Post-it® Fax Note 7671	Date OH/II/S pages 3
To Gladys Joudrey	From Chitte Melsche
Co./Dept. NICE	Co. Environment Canada
Phone (867) 783-2593	Phone # (867-) 975- 1637
FRY# (367) 983 - 2594	FEX# (867) 975-4645

COMMENT FORM

The Nunavut Impact Review Board has a m
the existing and future residents of Nunavut. In order to assess the environmental and scioeconomic impacts of the project proposals, NIRB would like to hear your concerns, comments
and suggestions about the following project configurations.

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Comments Due By: Thursday, May	1 2003	NIRB#:	03YN060
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Indicate your concerns about the pro	ect proposal be	low:	
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□ water quality	☐ Innit harvesp		
C terrain		प्रतिशक्ता आप देव	asulation
air quality		ment in the area	
☐ wildlife and their habitat	C tourism in the		
I marine manunals and their habitat	O buman health	issues	
Li birds and their habitat	□ other:		
C fish and their habitar			
C heritago resources in area			
Please describe the concerns indicate	d above		
Do you have any suggestions or recommendations for this application? All sumps shall be located above the highwater mark of any water body and in such a manuer as to prevent the contents from entering any water body Greguented by fish. All sumps and any other local created through sampling shall be back filled upon completion of the field slason and graded to match the existing landscape.			
Do you support the project proposal? Yes I No I Any additional comments?			
Name of person commenting: Cutte helpele of Environment Consula Position: 6N: Assessment officer Organization: Environment Consula Signature: CMC Q2 Date: Qpri 11/53			
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Flah Habitat Management שטב אטמן יס Inalult, Nunavail XDA OHO

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Our file Name Ly Print

May 23, 2003

Hilivabeth Tumer Canada-Nunavut Geosciences Office P.O. Bax 2319 tenluit, NU YOY OHO Pax: (867) 979-0708

RE: Research Licence Application; Borden Basin Lithostrat(graphy, Structural Geology, and Metallogeny

Dear Ms. Turner:

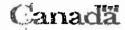
'I his letter is to advise that The Department of Pisheries and Oceans, Fish Habitat Manigement (DFO-FHM) received the above Research Licence Application submitted on your helialf by the Nunevut Research Institute. I have reviewed the plans for the proposed rescarch.

Field operations related to your research, particularly camps, in or near water may result in the harmful alteration, disruption or destruction of fish habitat, which is prohibited under Section 35 of the Fisheries Act. In addition to the measures set out in the project proposal, the following mitigation measures, if incorporated into the project, are intended to provent any potentially harmful impacts to fish and fish habitat:

 All disturbed areas should be stabilized upon completion of work, and restored to a pro disturbed state.

Depositing deleterious substances into fish bearing waters is prohibited as stated under Subsection 36(3) of the Fisheries Act. The following are additional measures to militaric habitat disturbance or loss as well as the deposition of deleterious substances.

- All activities, including maintenance procedures and vehicular refuelling, should be controlled to prevent the entry of petroleum products, sediment, debris, rubble, or other deleterious substances into the water.
- All wastes, sewage containments and fuel caches should be located a minimum of thirty (30) metres from the normal high water mark of any water body, and be sufficiently between or otherwise contained to ensure that these substances do not enter fish bearing waters.



FAX NO. 867 979 8039

All spills of oil, fuel, or other deleterious material should be reported immediately to the 24-Hour Spill Line at (867) 920-8130.

If the proposed work is carried out as described in the plans provided to DFO-FHM and if the additional mitigation measures specified above are implemented, the proposed work will not be considered as contravening Subsection 35(1) of the Fixluries Act which reads;

"No person shall carry on any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat."

Therefore, an authorization under Subsection 35(2) of the Fisheries Act will not be necessary. If a harmful alteration, disruption or destruction of fish habitat and/or the deposition of deleterious substances into fish bearing waters occurs as a result of a change in the plans for the proposed works or failure to implement the additional mitigation measures specified above, prosecution under Subsection 35(1) and/or Subsection 36(3) of the Pisheries Act may be initiated.

Please note that this letter of advice does not release the proponent of the responsibility for obtaining any other permits that may be required and will apply for the proposed activities for the period of the research licence.

If you have any questions concerning the mitigation measures or should there be any changes to the proposed work, please contact me at (867) 979-8007 or by fax at (867) 979-8039.

Stephania Critch

Area Hablau Biologist

Fish Habitat Management

Department of Fisherics and Occaus

iphanie Citch

c.c. Winston Fillage - Conservation and Protection Supervisor DFO-C&P Gladys Joudrey -- Nunavut Impact Review Board

From-857 979 8039



05-30-03 01:09pm From-

May-02-2003 11:22am From-

T-717 P.010/023 F-310

T-752 P.004/004 F-415

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Comments Duc By: Thursday, May 1,	2003 NIRB#: 03YN060		
Indicate your concerns about the project	I fironosal helow-		
Man concerns	To raditional uses of land		
☐ water quality	O Innit ha vesting activities		
□ terrain	ammunity involvement and consultation		
D air quality	D local development in the area		
wildlife and their habitat	D whism in the area		
I marine manuals and their habitat	☐ burgan health issues		
D birds and their habitat	□ other:		
I fish and their habitat			
☐ beritage resources in area			
Please describe the concerns indicated a	have:		
September 2015 Septem			
Do you have any suggestions or recomm	endations for this application;		
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Do you support the project proposal? V	es & No Any additional comments? to oblive		
and har and before me be observed as	Comment.		
	add the state of t		
Name of person commenting: MICHAE	c Roy of Toquet		
Position: BATTLE RESCURA GEORGERATOR OTGANIZATION: DIAND WATER RESCURSET			
Signature: Mclad Ka	Date: 7/200?		
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May 30, 2003

To: Phyllis Beaulieu

A/Licensing Administrator Nunavut Water Board Gjoa Haven, NU

Re: North Baffin Project (Edward Little)

NIRB: #03YN059 NWB: NWB2NBP

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Yours truly,



Gladys Joudrey
Senior Environmental Assessment Officer
Nunavut Impact Review Board
P.O. Box 2379
Cambridge Bay, NU XOB OCO

Tel: (867) 983-2593 Fax: (867) 983-2574

Date: May 30, 2003

Mr. Thomas Kudloo Chairperson, Nunavut Water Board Gjoa Haven, NT

Dear Mr. Kudloo:

RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:
NIRB 03YN059 NRI NWB NWB2NBP

North Baffin Project (Edward Little)

Authority:

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Primary Objectives:

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Terms and Conditions:

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Archaeological Sites

23. 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 attached letter.

Reclamation

24. The Permittee shall remove all equipment, including garbage and fuel, from the site upon abandonment.

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May-22-2003 01:36pm

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Other Recommendations

- NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
- 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 communities in the community's preferred language and to NIRB in the form of a written report.
- 3. NIRB recommend that when storing barreled fuel on location, secondary containment such as self supporting insta-berms, be used,
- 4. 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

at Arvial, NU

Elizabeth Copland, Champerson

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GOVERNMENT OFFICE

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and suggestions	ADDUCTION TO TO TO TO	mg project appace	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	116 35
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Proponenti	Edward Little			
Location: Ic	e Bound Laket,	TUNDY VI	ESTRATA IV	
Comments Du	e By: Thursda	v. May 1, 2003	NTRB#	03YND59
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TO-Nunavut Impact Revie Page 003

Received | |-Apr-2003 07:28am From-

Nunavummi Qaujisaqtulirijikkut /Nunavut Research Institute
Box 1720, Iqaluit, NT XOA OHO phone: (819) 979-4108 fax: (819) 979-4681 email: signri@nunanet.com

Reviewer Recommendation Form: Land &/or Water Based Research

Water Strategies Const.	Land 82/01 Water Based Research		
Applicant Name:	Edward Little		
Project Name:	"North Baffin Project: Economic potential through drift prospecting and surficial materials mapping"		
Review Panel Name:	Mayor/SAO, Clyde river // Enis Simus 3 AC		
Region:	North Baffin		
Research Discipline:	Geoscience		
Panel Comments:			
Coun	oil was pleased and excented to review		
The	I To home the proposal con		
allen de	walles losed to economic bankers		
Pacino	and dyde River in porticular. It does		
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Requested Terms or	Conditions:		
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Tu-Numavul Impact Ravia Page 004

Received 11-Apr-2003 07:28am From-



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- LLDING MOTION NO. 215-1189-03

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T-717 P.019/023 F-310

05-30-03 01:12pm From-

May-02-2003 11:21am From-

T-752 P.003/004 F-415

COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and scioeconomic impacts of the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

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Project Title: North Buffin Project			
Proponent: Edward Little			
Lucation: Ice Bound Lakes, Nunavut			
Comments Due By: Thursday, May 1,	2003 NIRB#: 03YN059		
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Do you have any suggestions or recommendations for this application? 100 Do you support the project proposal? Yes V No I Any additional comments? 10 ctilized.			
council			
Name of person commenting: MICHAE	ROY OF TOALUT		
Position: ARETHA RESPONDE CORDINATED OF SAND - WATER RESOURCES			
TRICENS FOR	Date: 9/1/2 / 2003		

04/13/2003 09:17

PAGE 01

10-Apr-2003 05:08pm From-Nynavut Impact Review Board

T-825 P.004/017 F-831

COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and scioeconomic impacts of the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: North Baffin Project	CE
Proponent: Edward Little	
Location: Ice Bound Lakes, Nuns	avnt
Comments Due By: Thursday, M	
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Indicate your concerns about the p	oject proposal below:
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T-581 P.02/03 Job-306

COMMENT FORM FOR NIRD SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and scio-economic impacts of the project proposals, NIRB would like to hear your concerns, comments

Project Titles North Paris Brains	1 application.	
Project Title: North Baffin Project		
Proponent: Edward Little		
Location: Ice Bound Lakes, Nunavut		
Comments Due By: Thursday, May 1,	2003 NIRB #: 03YN059	
Indicate your concerns about the projec	t proposal below:	
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☐ fish and their habitat		
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Do you have any suggestions or recommendations for this application? Stringment Create recommends that when storing berrelled Rich in location, secondary containment such it self-supporting insta-berms, be used. All amps shall be located above the highwater marks of any water body and in such a memor as to prevent the contents from entering any water body frequented by Rich. Further, all sumps shall be backfilled upon completion of the Rich stason and recontained to match the existing land scape. Do you support the project proposal? Yes \(\text{I} \) No \(\text{I} \) Any additional comments?		
Name of person commenting: Cutte Malacle of Environment Canada Position: Env. Assessment Specialist Organization: Environment Canada Signature: Childe Date: Capal 11/53		

Gladys Joudrey

From: CritchS@DFO-MPO.GC.CA

Sent: May 27, 2003 7:57 AM

To: Itorcheakl@DFO-MPO.GC.CA; gladys@polarnet.ca

Subject: Scientific Research Licence Application

The following is a copy of DFo's response to the research application by Edward Little

(x)

Fisheries and Oceans Pêches et Océans Fish Habitat Management P.O. Box 358

Igaluit, Nunavut XOA 0H0 Your file Voire reference

May 26, 2003

NIRB 03YN059 NU03382

YNUS9 Our file Notre réference

Edward Little Canada-Nunavut Geosciences Office Iqaluit, Nunavut Fax (867) 979-0708

RE: Scientific research entitled "North Baffin Project: Economic Potential through Drift Prospecting and Surficial Materials Mapping".

Dear Mr. Little:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management (DFO-FHM) received a copy of your Scientific Research Licence Application for research fieldwork in the North Baffin Island area. Fieldwork is proposed to take place from July 2 to August 13 of 2003, 2004, and 2005. I have reviewed your application for the proposed research.

Field operations in or near water may result in the harmful alteration, disruption or destruction of fish habitat, which is prohibited under Section 35 of the *Fisheries Act*. It appears that your project will not pose any harm to local fish and their habitat as long as you adhere to the comments and mitigation measures that you provided in your application. These and the following additional mitigation measure are intended to prevent any potentially harmful impacts to fish and fish habitat.

- All disturbed areas should be stabilized upon completion of work to prevent sedimentation. Ensure a proper clean-up of
 the worksite upon abandonment and appropriate disposal of garbage and waste to an approved dumpsite.
- DFO strongly recommends that sewage be incinerated on site and all remnants be Sealed in containers and properly disposed of at an approved location.

Depositing deleterious substances into fish bearing waters is prohibited as stated under Subsection 36(3) of the Fisheries Act. The following are additional measures to mitigate habitat disturbance or loss as well as the deposition of deleterious substances.

- All activities, including sediment sampling, maintenance procedures and vehicular refuelling, should be controlled to
 prevent the entry of petroleum products, sediment, debris, rubble, or other deleterious substances into fish bearing waters.
 Ensure that refuelling activities are conducted at least thirty (30) metres away from the normal high water mark of any
 water body.
- All wastes, sewage containments and fuel caches must be properly contained and located at an appropriate distance from
 the normal high water mark of any water body to ensure that contaminants do not enter such water bodies.
- All spills of oil, fuel, or other deleterious material should be reported immediately to the 24-Hour Spill Line at (867) 920-8130.

If the proposed work is carried out as described in the application provided to DFO-FHM and if the other mitigation measures specified above are implemented, the proposed work will not be considered as contravening Subsection 35(1) of the Fisherie.

05-30-03 01:13pm From-

Act which reads:

"No person shall carry on any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat."

Therefore, an authorization under Subsection 35(2) of the Fisheries Act will not be necessary. If a harmful alteration, disruption or destruction of fish habitat and/or the deposition of deleterious substances into fish bearing waters occurs as a result of a change in the plans for the proposed works or failure to implement the additional mitigation measures specified above, prosecution under Subsection 35(1) and/or Subsection 36(3) of the Fisheries Act may be initiated.

Please note that this letter of advice will apply for the period of research application. If you have any questions concerning the mitigation measures or should there be any changes to the proposed work, please contact me at (867) 979-8007 or by fax at (867) 979-8039.

Yours truly,

Stephanie Critch Habitat Biologist Department of Fisheries and Oceans - Eastern Arctic Area

c.c. Gladys Joudrey, E.A. Officer, NIRB Ipeelee Itorcheak, Field Supervisor, DFO

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