

January 20, 2005

Dear Kivalliq Distribution List

Re: Your comments on this application.

NIRB#: 05QN008

Project: Quarry, Jigging Point NU

Proponent: Hamlet of Baker Lake

Nunavut Impact Review Board has received an application for a Quarry near Baker Lake, NU. Please use NIRB file No. 05QN008 and the contact person listed below, in all future correspondence regarding this application.

The application documents are available through the internet on the NIRB ftp site at www://ftp.nunavut.ca/nirb in the folder "05QN008-Quarry, Jigging Point, Hamlet of Baker Lake".

Please assess the project proposal for the potential effects on the ecosystemic and socio-economic environments, from your knowledge of the area or your field of expertise.

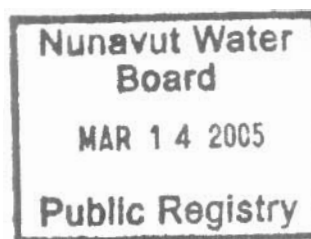
Please forward your comments and recommendations to NIRB by February 10, 2005 1:00pm local time.

A comment form has been included with the package.

If you have any questions regarding the application, please do not hesitate to contact our office. Your input is greatly appreciated.

Yours truly,

Sylvia Novoligak
Environmental Screener Trainee
Phone (867) 983-4613
Fax (867) 983-2574 or (867) 983-2594



INTERNAL	
PC	MP
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TA1	
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EXT.	

KIVALLIQ INUIT ASSOCIATION APPLICATION FOR ACCESS TO INUIT OWNED LAND

Office use only

Category

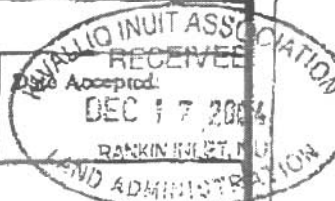
LUL I

Application No.

KVC A04038

Accepted By:

Cattene



To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations)

Hamlet of Baker Lake
P.O. Box 149
Baker Lake, NU.
XOC OAO

Fax no

793-2509

Telephone no.

793-2874

2. Head Office address

Same as #1

Fax no.

Telephone no.

3. Field supervisor and address if different from above

Peter Tapstai
Box 74 Baker Lake NU XOC OAO

Telephone no.

793-2703

4. Other personnel list (Subcontractors or contractors to be used)

Peter Tapstai, Peter's Expediting Limited
plus 2-3 additional workers

Total no. of personnel: 3-4

No. of person days:

5. Location of activities by map coordinates. Attach ORIGINAL maps and sketches.

MAX Lat Min	MIN Lat Deg	MIN Lat Min	MAX Lat Deg
MAX Long Min	MIN Long Deg	MIN Long Min	MAX Long Deg

Map Sheet No:

Inuit Land Parcel No:

Coordinates of camp (if applicable) Lat _____ Long _____

Please specify projection, datum and digital format. Please provide the data as on Arc/Info cover, Arcview shapefile or an .E00 File.

Revised July 2001

GIS e/iform: IOL application

6. Periods of operation including periods of seasonal shut down and periods for restoration.

Spring - Fall, ongoing

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases, and up to forty years for level III commercial leases)

Start date

Spring 2005

Completion Date

ongoing

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

n/a

- ☐ NTI Subsurface Right
☐ DLAND Subsurface Right
☐ NWB Water License

- ☐ NRI Research License
☐ RWED Tourism License
☐ Explosives Permit

- ☐ CWS Permit
☐ Other - Please Specify

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas

- ☐ staking and prospecting
☐ exploration (geophysics/grd/air)
☐ drilling (diamond/ice, etc.)
☐ bulk sampling
☐ mine (open pit, underground, etc.)
☐ bulk fuel storage
☐ other: _____

Construction:

- ☐ camp
☐ building
☐ winter road
☐ all-season road
☒ quarrying
☐ other: _____

Tourism:

- ☐ tourist facility
☐ outfitting
☐ other: _____

Municipality:

- ☐ bulk storage of fuel
☐ residential building
☐ commercial building
☐ other: _____

Research:

- ☐ wildlife/fish/birds/marine
☐ survey (grd/aerial/collars)
☐ collection of species
☐ research station
☐ other: _____

Other:

- ☐ commercial harvest
☐ recreational camp
☒ site cleanup
☐ _____

10. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktituk (Inuinakna in the West Kintmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

11. Attach a detailed project description as outlined in APPENDIX A.

Revised July 2001

CIS 01/Annex D Application

12. Application Fees:

7

- | | | |
|---|---|--------|
| <input type="checkbox"/> Land use license I | <input type="checkbox"/> Commercial Lease I | \$1600 |
| Inuit - \$0 | <input type="checkbox"/> Commercial Lease II | \$2500 |
| Non-Inuit \$100 | <input type="checkbox"/> Commercial Lease III | \$5000 |
| <input type="checkbox"/> Land use license II \$250 | | |
| <input type="checkbox"/> Land use license III \$500 | | |
| <input type="checkbox"/> Right of Way Agreement \$500 | | |
| <input type="checkbox"/> Residential/Recreational Lease | Inuit - \$0 | |
| | Non-Inuit - \$250 | |
| <input type="checkbox"/> Exemption Certificate \$0 | | |

Land use fees: # of hectares used @ \$50.00/hectare = \$ _____

Note: The land use fee is for the amount of land used on an annual basis.

13. a) The Applicant requests a Certificate of Exemption ☐

OR

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land Use License or Lease. ☐

Sign name in full:

Inuit Inuit
Signature

December 17, 2004
Date

Baker Lake Community Based Soapstone Quarrying Project

Project Summary:

The Hamlet of Baker Lake is looking at reactivating an existing soapstone quarry at Jigging Point, east of Baker Lake. Before we go ahead with the actual quarrying of the stone, we need to do a clean-up phase of the area. There is a lot of rock and debris at the quarrying site that needs to be cleaned up before we can access the favourable rock. The plan would be to clean up the site early spring 2005, and then quarry the stone late spring/summer. The quarried stone would be provided to the local carvers of Baker Lake to stimulate the carving economy of the community.

Francois Bernoilles, the Regional Geologist for the Kivalliq region has visited the site at Jigging Point along with Peter Tapatai of Peter's Expediting Limited (who will help organize and run the quarry). He provided a review of the site, and assisted with the plans for a clean-up and quarrying project. He determined that we should be able to quarry approximately 50 tonnes of carving stone, and planned that there should be an ample supply of soapstone from the quarry to provide continuous supply of soapstone for years to come. This will provide a long-term supply for the carvers of Baker Lake, which will aid in the revision of the arts in the community.

Baker Lake Community Based Soapstone Quarrying Project

Detailed Project Description

PROJECT IDENTIFICATION:

APPLICANT: ----- Hamlet Of Baker Lake
P.O. Box 149
Baker Lake, NU
X0C 0A0

TYPE OF BUSINESS: ----- Municipal Government

CONTACT PERSON: ----- Tara Fesyk, CEDO
Phone: (867) 793-2874
Fax: (867) 793-2509
E-Mail: tarafesyk@yahoo.com

PROJECT DESCRIPTION:

The Hamlet of Baker Lake is planning to carry out a soapstone quarry from Jigging Point to provide a supply of soapstone to the local carvers of the community.

APPLICANT HISTORY & PROJECT BACKGROUND:

Our local carvers have been in existence since the early 1960's. The carver's society was established in 1994 when a group of carvers got together to share their common objectives and barriers in prosperity. Over 60% of our local artists in Baker Lake are carvers, and they represent a major portion of our community's economic development. These carvers rely on the sales of their work to support themselves and their families. For most, the money made from sales is the only income these artists have.

Soapstone supply has always been a problem in Baker Lake. The carvers can only carve as much as they have access to the favourable stone. Without access to the soapstone, our carvers cannot continue carving; therefore they are not making any money to support their families. Our local carvers will carve as long as they have access to the proper carving stone. Our Community Economic Development Committee understands the importance of the carvers in our community, and wants to do anything they can to ensure they continue their carving.

In the past, the local carving group has organized yearly soapstone quarries, where they collect soapstone and transport it via snow machine or boat (depending on the season), and place it in a central location for carvers to select all year round (while supplies last). This process limits the amount of soapstone that can be brought back into town, as they can only haul so much via snow machine or boat. This small amount of stone that does come into the community does not last for very long.

The Hamlet of Baker Lake deems it necessary to focus on a larger scale soapstone quarry to replace the small ones done in the past by the carving society. With this being the pilot year, we plan to create a process where soapstone can be quarried at a large scale on a yearly basis. The equipment purchased for the quarry this year, will be usable for future years, therefore decreasing operating costs.

PROJECT MANAGEMENT:

The Hamlet of Baker Lake would administer the funds and manage this project. Francois Bernoilles, Regional Geologist for the Kivalliq, has visited the site at Jigging Point in August 2004, to analyze the potential for a large quarry. During his visit, he did a quick mapping of the area, and determined an estimated amount of soapstone at the site. With this visit, Francois was able to determine the tools and equipment necessary, as well as the manpower required to quarry approximately 50 tonnes of carving stone.

Testing of the available soapstone was then completed. Francois brought back 3 different grades of soapstone from his visit to Jigging Point. He graded the stone "A" "B" & "B2". The "A" grade is the best grade of stone, while he graded the "B2" as "good" stone. A local carver was provided samples of each grade to "test" out each grade of stone, carving something from each sample. This test found that the grade that was widely available at Jigging Point was the best carving stone, which also happened to be the opposite of what the geologist assumed. Therefore, there is a larger supply of good carving stone available than originally thought.

With the confirmation that each grade of soapstone available is sufficient, we will then move onto the next phase of the quarry. After visiting Jigging Point, Francois determined that there is a lot of rock debris lying around which will hinder the quarrying progress. We would like to hire 3 workers for 10 days to go out and clean up the area during the spring of 2005. This will prepare the area for the actual quarry.

The next step in the process is the actual quarrying of the favourable stone, which will hopefully occur after the clean-up phase in late spring or early summer. Peter Tapatai will help coordinate both the clean-up phase as well as the quarrying phase. Either Francois and/or Peter will work with 2 local helpers to go out to Jigging Point to start working on the quarrying process. They will teach the workers how to use the equipment purchased to quarry the stone. They will stay with them for about a week until they are familiar with the process and comfortable working on their own. The workers will then remain at the site and quarry the stone, which should take no longer than a month.

With the assistance of Francois and Peter, we will purchase the appropriate tools required for the quarry. These tools are available new, used, and refurbished. We will determine that is the best for what we need it for, keeping in mind that these tools will be used for future years as the quarry continues.

The final stage of the quarry is hauling the stone back to Baker Lake. We have been working with Peter's Expediting Limited to take out 3 delta bombadiers and a crane to load and ship the quarried stone back to Baker Lake. The Hamlet Office will work with the local carving group to store and distribute the soapstone to local carvers.

It is estimated that this quarry works out to cost approximately 50 cents per pound. Selling the stone at \$1.00 per pound will generate enough of an income to continue this quarrying process in the future. The Community Economic Development Committee wants to develop a system where we can access favourable soapstone on a yearly basis to ensure there is enough soapstone to keep our carvers carving, therefore providing a source of self-income for the carvers. This will in turn also enhance Baker Lake's tourism sector. It is not yet determined for sure though whether the stone will be available for free, or if there will be a small charge to cover costs.

The Hamlet of Baker Lake is currently in the developmental stages of working with Robert Rainbird who works for the Geological Survey of Canada - Natural Resources Canada. Along with Rob and the hopeful assistance of NTI, we will work towards coordinating a detailed geological mapping of the Jigging Point carvingstone quarry. Rob has visited the site a few times, and realizes the need for a proper quarrying plan. This would require a geological map that outline the distribution and attitude of the favourable rock. At this time, it is looking like this project will not occur until the summer of 2005. At that time, we will be able to work together to determine the best way to make the most out of the available soapstone supply at Jigging Point. We will also have a balance of funds available to put towards the project from this year's soapstone quarry and sales of the rock.

PROJECT BENEFITS:

1. The availability of accessible soapstone will ultimately result in more production of carvings, therefore increased sales, which increases the economic development in the community.
2. This project will stimulate short to long-term employment opportunities. There will be work for 3 workers during the clean up stage, 2 workers doing the quarry, as well as longer term employment for our local carvers for as long as there is soapstone available, therefore supporting the wage-based economy.
3. This project also supports other local businesses by hiring Peter's Expediting to look after the freight of the stone, therefore all funds and proceeds will be spent locally.
4. This project builds on our community economic development strategy to support local artists and craftsmen to create and produce work for the purpose of generating an income through the sales of their items.
5. If artists are successfully producing and selling work, this will contribute to a healthier and happier community.
6. Working with qualified geologists will help create a plan to safely access soapstone supplies for carving. This works towards the goal of the Nunavut Economic Development Strategy for the Arts Sector over the next 10 years.
7. The workers hired to do the quarry will learn new skills, learning to use new tools and learning new and safer techniques to quarrying stone.

BUDGET:

Clean-Up Phase:

3 workers for 10 days (\$750 ea)	\$ 2,250
10% Benefits (CPP, EI, Vac, GN Tax)	\$ 225
Camp Expenses	\$ 2,000
(tents, grub, HF radio, equipment, etc)	
Boat Rental, Gas, Oil, etc.	\$ 750
Honda & Trailer Rental (x2)	\$ 600
Tools & Equipment	\$ 500
TOTAL:	\$ 6,325

Quarrying Phase:

2 workers for one month (\$3,000 ea)	\$ 6,000
Geologist Training Fee	\$ 1,500
10% Benefits	\$ 750
Camp Expenses (tents, grub, HF radio, equipment, etc)	\$ 2,500
Boat Rental, Gas, Oil, etc.	\$ 750
Quarrying Tools & Equipment	\$17,000
Shipping	\$ 3,500
Freight	\$10,000
TOTAL:	\$42,000

CONCLUSION:

The carvers in Baker Lake represent a large portion of our community's economic development. These artists carve for a living, and rely on sales to support themselves and their families. Without soapstone, the artists cannot carve, therefore they are not making any money and struggle to support their families. If we can supply a large amount of soapstone to last a year's time, this will enable the artists to carve again, therefore generating a profit. This will lead to greater sales, as well as a happier and healthier community.

Quarrying Phase:

2 workers for one month (\$3,000 ea)	\$ 6,000
Geologist Training Fee	\$ 1,500
10% Benefits	\$ 750
Camp Expenses	\$ 2,500
(tents, grub, IIF radio, equipment, etc)	
Boat Rental, Gas, Oil, etc.	\$ 750
Quarrying Tools & Equipment	\$17,000
Shipping	\$ 3,500
Freight	\$10,000
TOTAL:	\$42,000

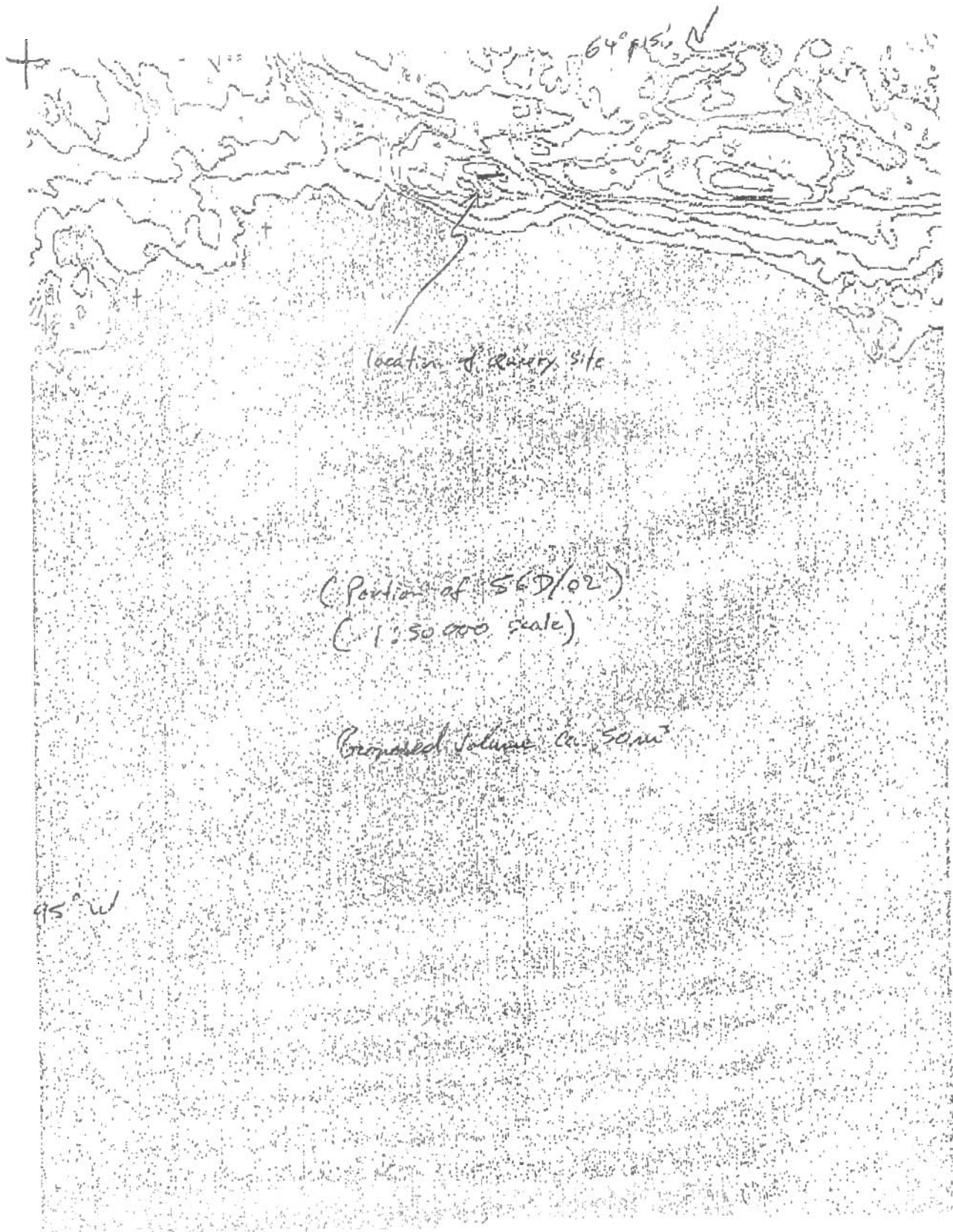
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For instance:

• Project management	\$30,000
• Metadata creation and data cataloguing	\$20,000
• Working space/Training Facilities	\$10,000
• Administrative support	\$5,000
TOTAL:	\$65,000

Name: Luis Gerardo Manzo
Title: Director of Lands
Address: Kivalliq Inuit Association
PO Box 340
Rankin Inlet, Nunavut
XOC-OGO
Phone: 867-645-2810
Fax: 867-645-3855
E-Mail: lmanzo@arctic.ca



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 socio-economic impacts of the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Quarry – Jigging Point

Proponent: Hamlet of Baker Lake

Location: Jigging Point

Comments Due By: February 10, 2005

NIRB #: 05QN008

Indicate your concerns about the project proposal below:

- | | |
|---|---|
| <input type="checkbox"/> no concerns | <input type="checkbox"/> traditional uses of land |
| <input type="checkbox"/> water quality | <input type="checkbox"/> Inuit harvesting activities |
| <input type="checkbox"/> terrain | <input type="checkbox"/> community involvement and consultation |
| <input type="checkbox"/> air quality | <input type="checkbox"/> local development in the area |
| <input type="checkbox"/> wildlife and their habitat | <input type="checkbox"/> tourism in the area |
| <input type="checkbox"/> marine mammals and their habitat | <input type="checkbox"/> human health issues |
| <input type="checkbox"/> birds and their habitat | <input type="checkbox"/> other: _____ |
| <input type="checkbox"/> fish and their habitat | _____ |
| <input type="checkbox"/> heritage resources in area | _____ |

Please describe the concerns indicated above:

Do you have any suggestions or recommendations for this application?

Do you support the project proposal? Yes ☐ No ☐ Any additional comments?

Name of person commenting: _____ **of** _____

Position: _____ **Organization:** _____

Signature: _____ **Date:** _____