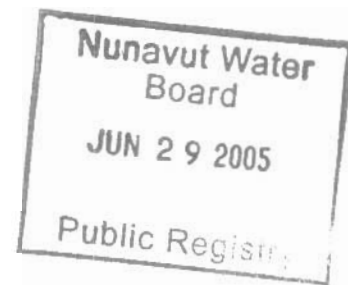


June 29, 2005

Dear Baffin Distribution List



**Re: Your comments on this application.**

**NIRB#: 05QN105**

**Project: Quarry Permit**

**Proponent: Hamlet of Pangnirtung**

Nunavut Impact Review Board has received an application for a Quarry Permit near Pangnirtung . Please use NIRB file No. 05QN105 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](http://www://ftp.nunavut.ca/nirb) in the folder "05QN105-Quarry Permit, Hamlet of Pangnirtung ".

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 July 20, 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

## 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: <u>Quarry Permit</u>	
Proponent: <u>Hamlet of Pangnirtung</u>	
Location: <u>Pangnirtung</u>	
Comments Due By: <u>July 20, 2005</u>	NIRB #: <u>05QN105</u>

**Indicate your concerns about the project proposal below:**

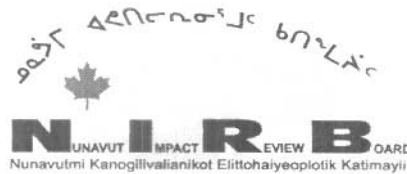
<input type="checkbox"/> no concerns <input type="checkbox"/> water quality <input type="checkbox"/> terrain <input type="checkbox"/> air quality <input type="checkbox"/> wildlife and their habitat <input type="checkbox"/> marine mammals and their habitat <input type="checkbox"/> birds and their habitat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

**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: _____



NIRB File No: 05QN105

June 29, 2005

Hamlet of Pangnirtung  
Bill Kilabuck, PLA  
P.O. Box 253  
Pangnirtung, NU  
X0A 0R0  
Fax: (867) 473-8832

**Dear Hamlet of Pangnirtung:**

**RE: Project proposal Acknowledgement for the Quarry Permit**

---

The Nunavut Impact Review Board (NIRB) acknowledges receipt of your project from Government of Nunavut, Community and Government Services on June 21, 2005 for a Quarry Permit for the Hamlet of Pangnirtung. The project information, a copy of which can be obtained from our ftp site (<http://ftp.nunavut.ca/nirb>) consists of the following items:

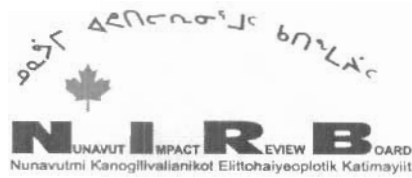
- Project documents from Government of Nunavut, Community and Government Services, including:
  - o Hamlet of Pangnirtung Quarry Permit application
  - o NIRB project proposal supplementary questionnaire
  - o Maps
- Email regarding heritage location
- Plain-language summaries in English and Inuktitut

We undertook a preliminary review of your application and concluded that NIRB's information requirements are met at this time. This said, I must inform you that the NIRB reserves the right to request additional information at any time.

Finally, by copy of this letter to the distribution list including municipalities and groups most affected by your application, and the enclosed comment form, we invite interested persons to comment directly to the NIRB by enter date comments are due from the distribution list.

Sincerely,

*Original signed by:*



Gladys Joudrey  
Manager of Environmental Administration

Encl: Comment Form

Cc: Distribution List

June 27, 2005

Dear Sir or Madam:

Pangnirtung, Nunavut is located on the southern shore of Pangnirtung Fiord along Cumberland Sound on Ralston Island, Canada approximately latitude 65 degrees, 07 minutes North, longitude 65 degrees 45 minutes West. The proposed gravel pit is located Northeast, approximately 6.4 Kilometers from the Hamlet of Pangnirtung, Nunavut and is accessible by road. Municipal will use the pit for taking gravel, sand, rocks and get the Council to approve quarry pit agreement. The Government of Nunavut will provide consideration for use of Inuit labor. The amount of Inuit employment will create in training in maintaining gravel pit and restoration of closed pit. If a gravel pit is to be awarded as a result of this request for proposal, it will be awarded to the Municipality of Pangnirtung, which provides granular material to the community of Pangnirtung with best potential value to the people. With performance fully the quarry pit agreements requirements and the integrity and reliability to assure performance of the agreement obligations. Any amendments made by Hamlet will be issued in writing and sent to N.T.R.B. The pit will be located 16 meters away from fire structures of tent units. The community can use to have the community's road upgrade of 9.5 to meters road time 7 meters wide and .3 meter thick, (20,109.6) meters square would by more than enough to do roads

Sincerely,

Wm Kilobants  
Planning & Lands Administrator

Received

Jun-27-2005 12:03pm

From-B574738832

To-Nunavut Impact Review Page 002

un-27-05 01:06pm

From-HAMLET OF PANGNIRTUNG

B574738832

T-804

P-02/02

F-549



### PROJECT PROPOSAL INFORMATION REQUIREMENTS

#### SECTION 1: APPLICANT INFORMATION

1. Applicant's full name and mailing address:

Municipality of Pangnirtung.  
P.O. Box 253  
Pangnirtung NU  
X0T 0K0

Fax: 867 473-~~8882~~<sup>8832</sup>  
Phone: 867 473-8553  
Email: hampany@nunavut.com

2. Head office address:

Same

Fax:  
Phone: SAME  
Email: S

3. Field Supervisor (address, if different from above):

Phone (radio or otherwise):

4. Other Personnel list (name and position + subcontractors and contractors):

Total # of personnel:  
Shift schedule:

Total # of person days:

#### SECTION 2: AUTHORISATION NEEDED

5. Indicate and circle the authorisations associated with the project proposal:

Inuit:

☐ Regional Inuit Association (land use permits and licenses, lease-land, recreational, commercial, quarry permit, access permit)

Co-Management Board:

- ☐ Nunavut Water Board (water license)  
☐ Nunavut Planning Commission (amendment to the land use plan)

Federal:

- ☐ DIAND (land use permit, land lease, quarry permit, water license-if transboundary)  
☐ Department of Fisheries and Oceans (under Fisheries Act -Loss of fish habitat, fisheries research, Navigable Waters Protection Act authorisation)  
☐ Department of Environment (Access to protected area, scientific research, ocean disposal)

GNWT:

- ☐ Municipal and Community Affairs (land use permit, land lease, quarry permit)  
☐ Nunavut Research Institute (research permit)  
☐ Department Resources Wildlife and Economic Development (fisheries/wildlife permit, wildlife research permit)

Other:

- ☒ Hamlet (development permit, lease, quarry permit)  
☐ Canadian Launch Safety (launch authorisation)  
☐

6. List the active permits, licenses or rights related to the project and their expiry date:

### SECTION 3: PROJECT PROPOSAL DESCRIPTION

7. Indicate and circle the activities related to the project proposal:

<b>Mining/Oil &amp; Gas:</b>	<b>Construction:</b>	<b>Tourism:</b>	<b>Research:</b>
<input type="checkbox"/> exploration (geophys-grd/air)	<input type="checkbox"/> camp	<input type="checkbox"/> tourism facility >20beds	<input type="checkbox"/> wildlife/fish/birds/marine
<input type="checkbox"/> drilling (diamond/ice, etc)	<input type="checkbox"/> building	<input type="checkbox"/> access to a protected area	<input type="checkbox"/> survey (grd/aerial/collars)
<input type="checkbox"/> advanced exploration	<input type="checkbox"/> winter road	<input type="checkbox"/> cruise ship	<input type="checkbox"/> collection of species
<input type="checkbox"/> bulk sampling	<input type="checkbox"/> all-season road	<input type="checkbox"/> outfitting	<input type="checkbox"/> research station
<input type="checkbox"/> mine (open pit, underground, etc)	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____
<b>Municipality:</b>	<b>Marine:</b>	<b>Other:</b>	
<input type="checkbox"/> bulk storage of fuel	<input type="checkbox"/> off-shore drilling	<input type="checkbox"/> commercial harvest	
<input type="checkbox"/> power generation	<input type="checkbox"/> ship movements	<input type="checkbox"/> aircraft use (helicopter/airplane)	
<input type="checkbox"/> hydroelectric	<input type="checkbox"/> construction (breakwater/bridge/dock)	<input type="checkbox"/> rocket launch	
<input type="checkbox"/> nuclear	<input type="checkbox"/> obstruction (navigation/fish movement)	<input type="checkbox"/> _____	
<input checked="" type="checkbox"/> industrial activity	<input type="checkbox"/> ocean disposal	<input type="checkbox"/> _____	

### 8. Project duration and location:

Period of operation: June 2005 to October 2005  
 Proposed term of permit: 5 to 10 years

Region: ☒ Baffin ☐ Kivalliq ☐ Kitikmeot ☐ Transboundary: \_\_\_\_\_

Land Status: ☐ Crown ☒ Commissioners' ☐ Inuit Owned Surface Lands ☐ Inuit Owned Sub-Surface Lands ☐ Other: \_\_\_\_\_

### Co-ordinates:

Min Lat (degree/minute): <u>66° 10' 13" N</u>	Min Long (degree/minute): <u>065° 37' 35" W</u>
Max Lat (degree/minute): <u>66° 10' 16" N</u>	Max Long (degree/minute): <u>065° 37' 38" W</u>

NTS Map sheet #: \_\_\_\_\_

Please ensure that maps of the project area are attached (1:50 000, 1:250 000)

### NON-TECHNICAL PROJECT PROPOSAL SUMMARY

9. Please include a non-technical description of the project proposal, no more than 300 words, in English & Inuktitut (+ Inuinnaqtun, if in the Kitikmeot). 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.

### SECTION 4: MATERIAL USE

10. List equipment (including drills, pumps, aircrafts, etc.):

Equipment type and number	Size- dimensions	Proposed use
1. D6 CAT TRACTOR	18 tons 210 HP	Leveling area
1. 225 CAT EXCAVATOR	16 tons 210 HP	DIGGING (water)
1. DUMPTRUCK	15 cu.m. 220 HP	Hauling material
1. DUMP TRUCK	8 cu.m. 180 HP	Hauling material
1. 730 GRADER	3.5 blade 220 HP	Leveling material
1. 736 LOADER	2.5 cu.m. 180 HP	LOADING material
1. 450 LOADER	3.25 cu.m. 210 HP	LOADING material

### 11. Detail fuel and hazardous materials used

Fuels	Number of Containers	Capacity of Containers (gal & litres)
• Diesel	5 Fuelled at fill station	
• Gasoline	Truck fuel	
• Aviation fuel		
• Propane		
• Other		



Hazardous Materials		

12. Do you have a spill contingency plan?

Do you have an on-site staff training program in place for fuels and hazardous materials?

Please attach the spill contingency plan and Material Safety Data Sheets and other appropriate information about the hazardous materials associated with the proposed project.

13. Describe method of fuel transfer:

*fuel is (diesel) trucked from Hamlet to  
 gravel pit by fuel truck*

#### SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

Type of waste	Projected amount generated	Method of disposal	Additional treatment procedures
Sewage	NONE		
Grey water	NONE		
garbage	NONE		
Overburden (organic soil, waste material, tailings)	Big boulders	put in one area	
Hazardous waste:	NONE		
Other:			

14. Describe the acid rock drainage potential of waste rock material and testing methods, if applicable:

*N/A*

#### SECTION 6: RESTORATION AND ABANDONMENT PLANS

15. Describe or attach the proposed restoration and abandonment plans. Please include information about on-going site remediation throughout the duration of the project.

*N/A*

#### SECTION 7: ENVIRONMENTAL IMPACT

16. Indicate and describe the components of the environment that are near the project area, as applicable. Attach any relevant maps or information:

Type of species (common name, associated herd, etc.)	Important Habitat Area (calving, staging, denning, migratory pathways, spawning, nesting, etc.)	Critical time periods (calving, post-calving, spawning, nesting, breeding, etc.)
Fish:		
Caribou:		
Muskox:		
Raptor:		
Migratory birds:		
Waterfowl:		

Seals:		
Whales:		
Narwhals:		
Canid family (wolves, wolverines, foxes, etc.):		
Bears (grizzly, polar, black, etc.):		
Other:		
Eskers:		
Communities:		
Historical/Archaeological sites:	area info attached	

17. Indicate and describe other uses of the area:

- ☐ Traditional use (hunting/fishing/spiritual): \_\_\_\_\_
- ☐ Outfitting: \_\_\_\_\_
- ☐ Tourism: \_\_\_\_\_
- ☐ Local development: \_\_\_\_\_
- ☐ Mineral development: \_\_\_\_\_
- ☒ Other: 15 metres from site camp traditional S.T. & Quarry

18. Describe the impacts of the proposed project activity on the environmental components and uses in the area, listed above:

minimal  
none

19. What are some suggested mitigation measures for these impacts?

none

20. List the environmental and socio-economic studies conducted in the area:

Associated with the project: \_\_\_\_\_

Pending Research: \_\_\_\_\_

Relevant research not associated with the project: \_\_\_\_\_

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

21. List the community representatives that have been contacted about this proposed project:

Community	Name	Organisation	Date contacted	Means	Telephone #	Fax #
Baymuk	Baymuk	Private				

22. Describe the level of involvement that the residents of Nunavut have had with respect to the proposed project:

23. Describe the regional benefits of the project proposal to the residents of Nunavut:

- ☒ employment: This creates 5 part time jobs  
☐ training programs: This creates a good training program  
☐ contracts:  
☐ Inuit Impact Benefits Agreements, if applicable:  
☐ Other:

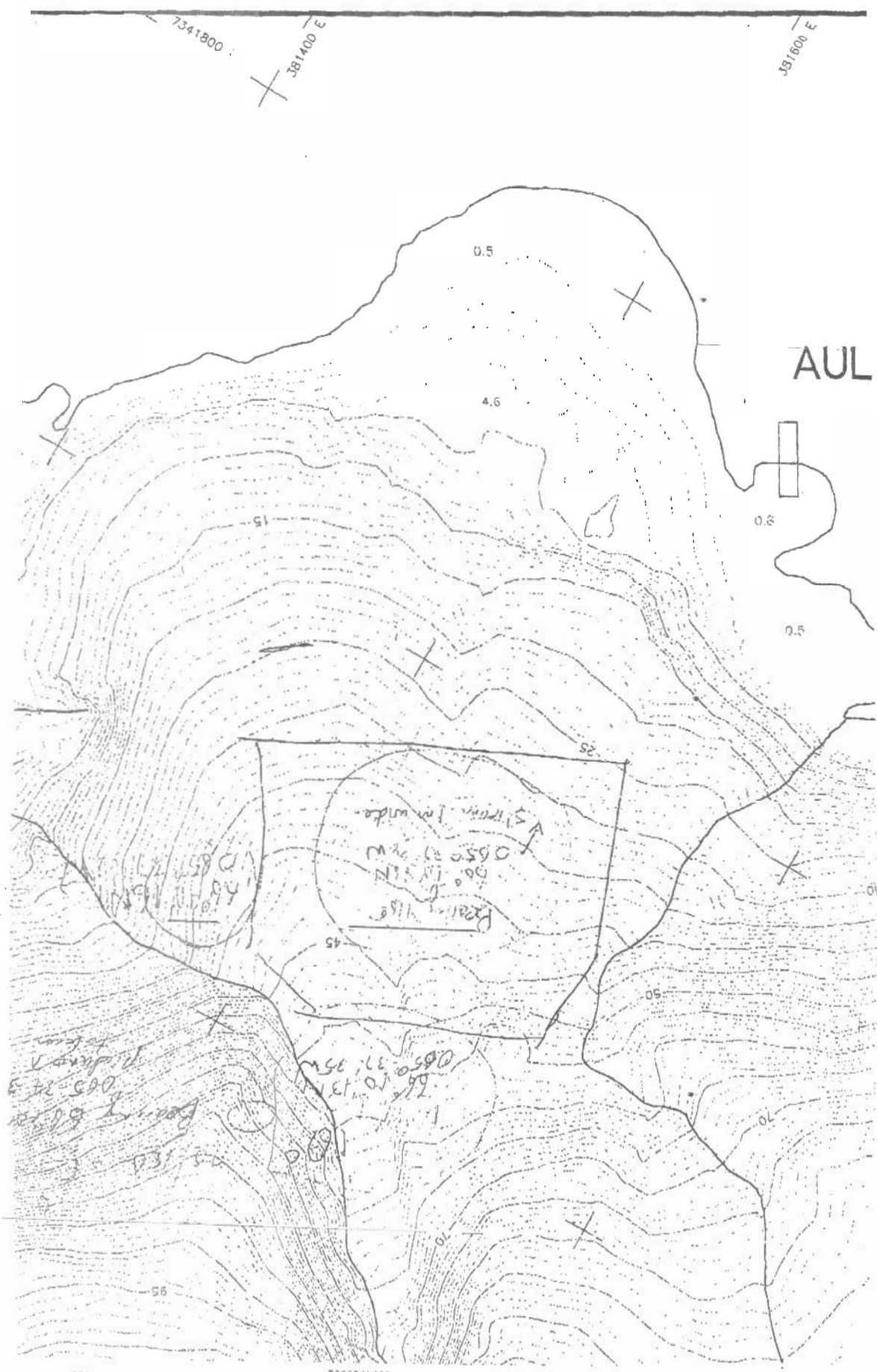
24. Describe and attach documentation regarding community concern or support for the proposed project:

The gravel from the pit will be  
use to upgrade 13,400.00 meters  
roads around Pang

The hamlet does not have a gravel pit.

Signature: [Signature] Title: Planning & Lands Date: June 4/05

Application checked by	Date received	Description	Approved by



# LEGEND

EXHIBIT "A"  
3 x 3 1/2 METRES APPX.

EXHIBIT "B"  
3 1/2 x 4 METRES APPX.

EXHIBIT "C"  
2 1/2 x 3 1/2 METRES APPX.

EXHIBIT "D"  
3 1/2 x 5 METRES APPX.

EXHIBIT "E"  
3 1/2 x 4 METRES APPX.

EXHIBIT "F"  
4 x 4 1/2 METRES APPX.

EXHIBIT "G"  
3 1/2 x 4 METRES APPX.

EXHIBIT "H"  
3 x 4 METRES APPX.

EXHIBIT "I"

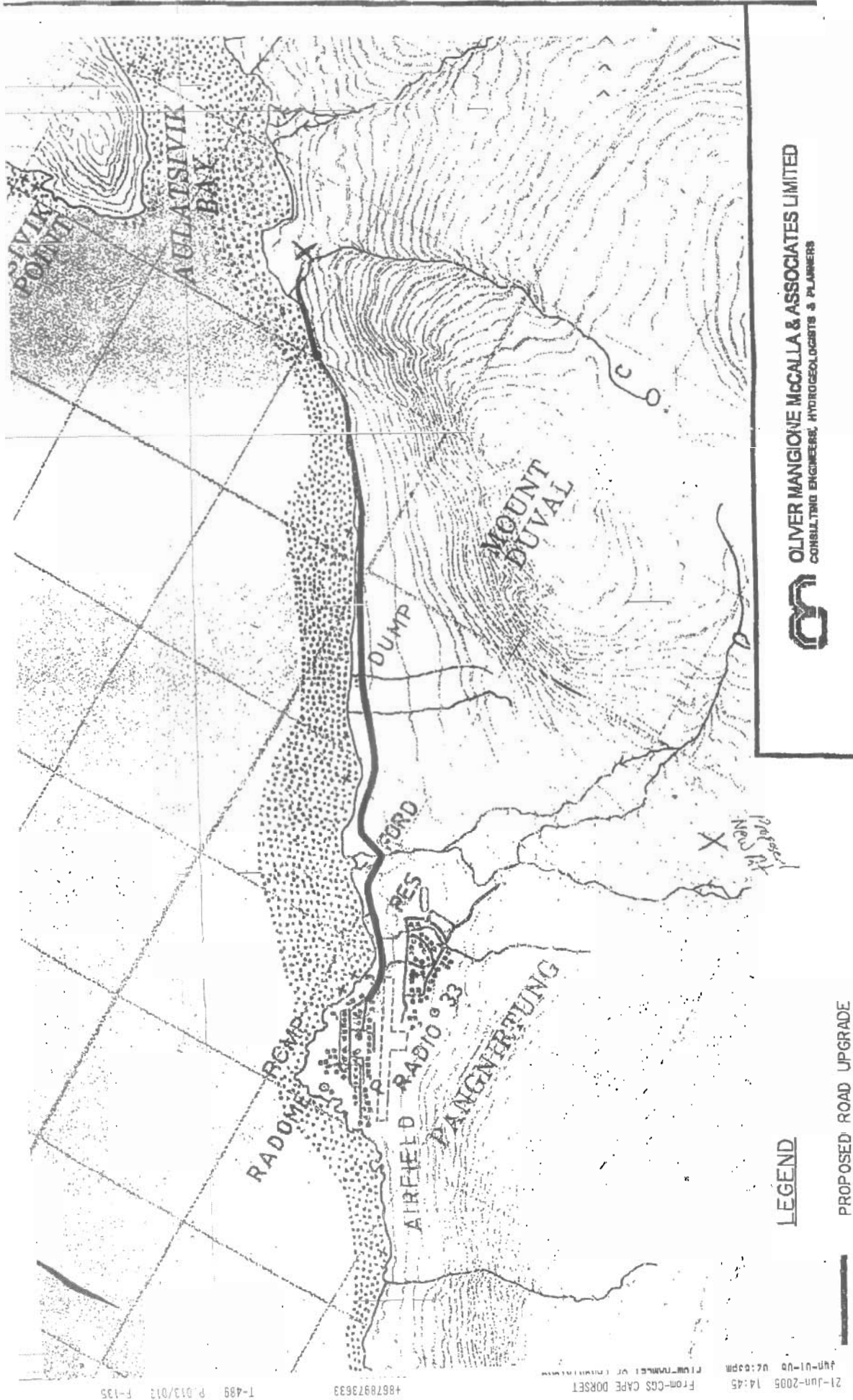


NOTE:  
EXHIBIT "A"-I"  
MAY NOT BE AT EXACT  
LOCATION ON THIS

NOTE:  
EXHIBIT "A" IS ONLY  
16 METRES FROM GRAVEL  
PIT EXHIBIT "B" IS

NOTE:  
EXHIBIT "A" - "I"  
MAY NOT ALL BE  
END GRABED

THERE IS AT LEAST  
5-6 GRABED SITE  
DO COULD EVEN BE

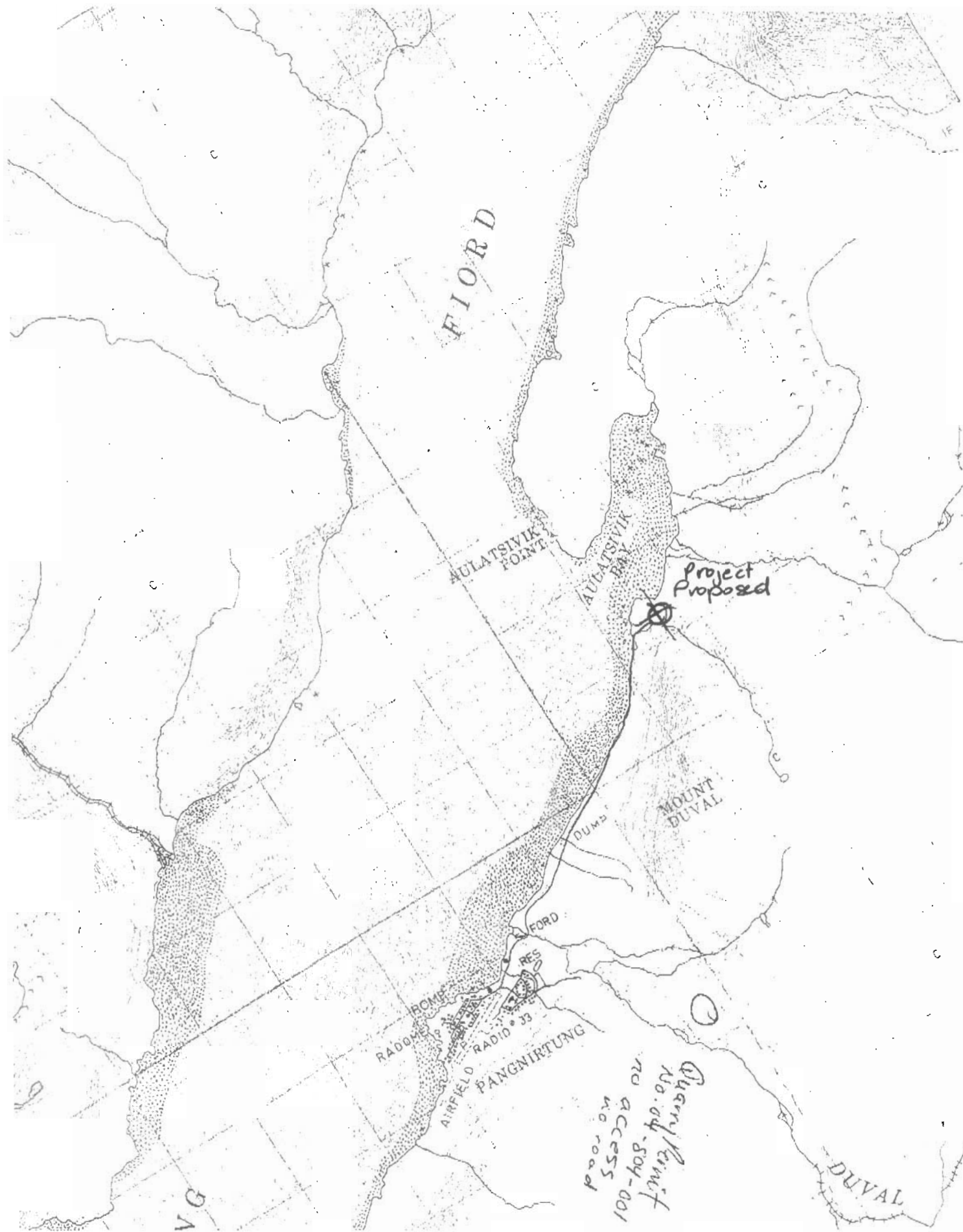


**OLIVER MANGIONE McALLA & ASSOCIATES LIMITED**  
 CONSULTING ENGINEERS, HYDROGEOLOGISTS & PLANNERS

**LEGEND**

PROPOSED ROAD UPGRADE





VG T-800 P 02/05 F-538

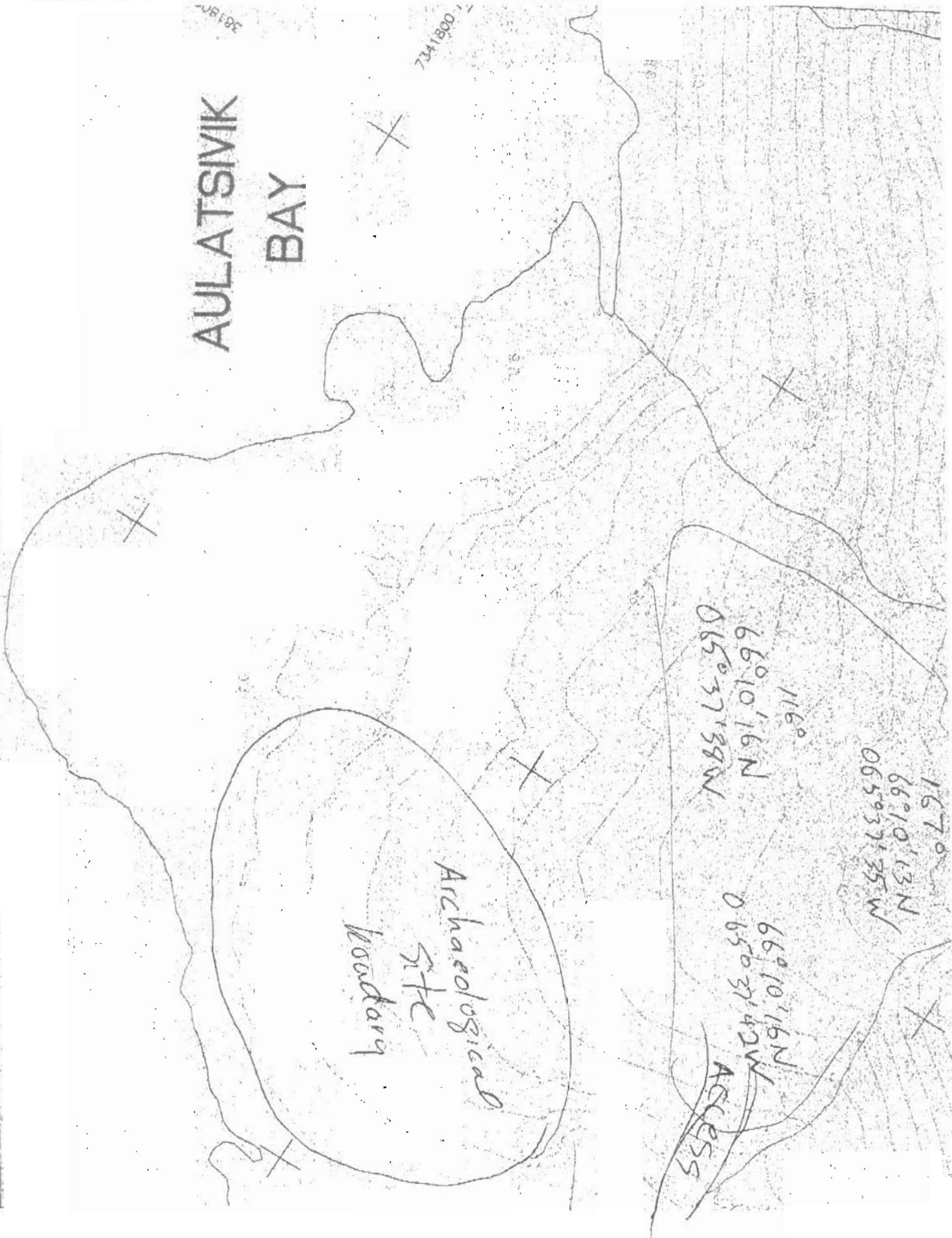
6674738832

From-HAMLET OF PANGNIRTUNG

JUN-27-05 08:28am

Quarry Permit  
No. 04-804-001  
no ACCESS  
no road

# AULATSIVIK BAY





# List of equipment

- D6 CAT TRACTOR - 18 tons - 210 HP - LEVELING AREA
- 225 CAT EXCAVATOR - 16 tons 210 HP - DIGGING AREA
- DUMP TRUCK -- 15 cu. m 220 HP - HAULING MATERIAL
- DUMP TRUCK - 8 cu. m 180 HP - HAULING MATERIAL
- 936 LOADER - 2.5 cu. m. 180 HP - LOADING MATERIAL
- 950 LOADER - 3.25 cu. m. 210 HP - LOADING MATERIAL
- 720 GRADER - 3.5 m BLADE 220 HP - LEVELING MATERIAL

Fuel - diesel (will) would be delivered by fuel truck.