



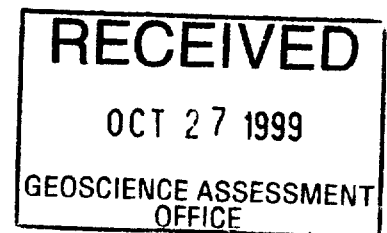
31E09SE2003 2.19825 MURCHISON

010

**MINERAL EXPLORATION REPORT  
& ABSTRACT  
PHASE 4  
MADAWASKA AREA  
ONTARIO**

2.19825

NTS: 31 E / 9E, Murchison Township,  
District of Nipissing  
UTM 733400E, 5045200N, Zone 17  
Lat 45 31' 23"N, Long 78 00' 41"W



Southern Ontario Mining Division  
Claims # 1150671 - 1150673

For Claim Owners  
Alan A. Reed, Allan A. Rubin, Edwin A. Hoover

Written by: Alan Reed  
334 O'Hara Rd  
Madoc, Ontario  
KOK 2K0



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## INTRODUCTION

### General

This report of physical work and a geological abstract interpretation for claims situated near Madawaska, Ont. The work has been undertaken by Mr. Alan Reed client # 186410 ( Lic. No. A 49686 ) of 334 O'Hara Road, Madoc, Ontario KOK 2KO the recorded holder of the claims under exploration.

The Allanite-(Y), granite pegmatite, fergusonite, quartz and biotite and are the current focus of mineral exploration. The Abstract was presented at the E. E. Memorial Symposium on NYF Granitic Pegmatites in Denver, Colorado on September 11 and 12, 1999 by Carl A. Francis and David E. Lange of Harvard University and Ronald C. Peterson of Queen's University. This abstract was also published in the Canadian Mineralogist.(see attachment) The mechanical stripping, blasting, trenching and de-watering was undertaken April 27 to May 4 and June 11- 15, 1999. Mr. Reed visited site for field supervision on May 2, 9<sup>th</sup>, June 15, Aug 23, Sept 16, 1999. In the following sections, the geological setting of the site are discussed with reference to site observations/abstract and examination of samples collected back in 1940 by H. S. Spence from the archives of the Museum Department of Earth and Planetary Sciences at Harvard University. Photography interpretations are of the blasting and physical work undertaken.

### Property Location and Access

The subject mining claims are situated in the North 1/2 Lots of 14, 15, 16, Concession IV, Murchison Township, District of Nipissing, in the Southern Ontario Mining Division. The claims were recorded under Nos. 1150671, 1150672, 1150673, on May 30, 1991.

The claims are easily accessible from the community of Madawaska via a well established logging road known as Victoria Lake Road which proceeds northward from Hwy. 60 at Madawaska. The claim group is situated approximately 4km north of the community ( see Figure 1). A haul road connects to the Victoria Lake Road provides vehicle access to a small quarry in the central part of the group.

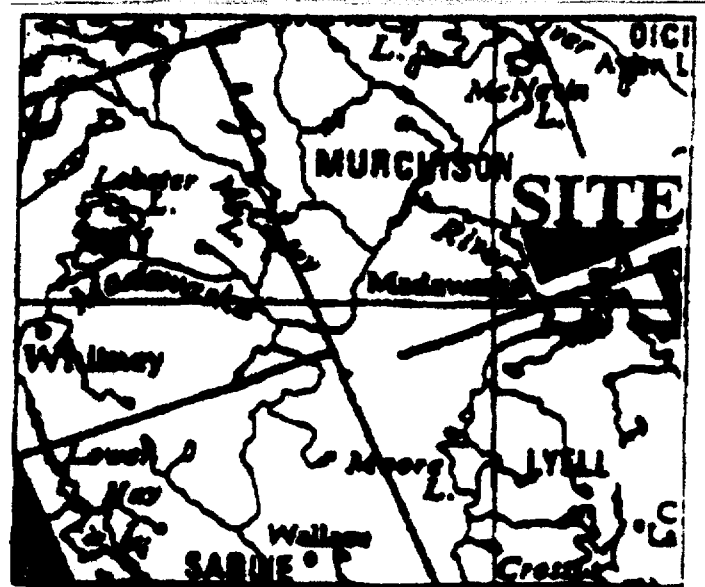


Figure 1: General property location.

## **Background**

The geology of the area contains a well documented pegmatite deposit with filed in November 1993, October 1997, November 1998. Within the pegmatite deposit the minerals are rich in Y, REE, Nb, Ti, Zr, and Fe. However, F, Be, and P, which are typically present in NYF pegmatites, are lacking in the Madawaska field. Research into this deposit for producing a nutricutical grade amino-acid is ongoing further development at this time. Physical work has exposed minerals to further our exploration into naturally based soil conditioners and ecological amendments.

## **Previous Work**

The claim owners have submitted and performed work in accordance to the mining act back in November 1993, October 1997 and November 1998. The claims are in good standing with the Ministry. Based upon some reliable anecdotal information and compiling data indicates a diverse application for the resources of this study and the geological uniqueness of this deposit in Madawaska for REE's.

## **SCOPE OF WORK**

Reconnaissance prospecting after blasting and trenching ( submitted 10 color photo's ) revealed veins of minerals not apparent prior to the physical exploration. The blasting and de-watering was performed by C. J. Brown Drilling and Blasting of R.R. 1 Bancroft ON. The stripping and excavation was undertaken by Joe Chartland of Madawaska ON. Equipment used were air tract drill and compressors, 3" water pump, excavator, backhoe, dozer, dump trucks and explosives.. Descriptions on the photo's and geological interpretation, compilation of data, preparation & organization and writing of the report were undertaken by Alan Reed.

Mr. Reed, Rubin & Hoover met on June 22-23, 1999 at the site with Mr. Francis and Mr. Lange of Harvard University and Mr. Ronald Peterson of Queen's University. Also present on June 22, 1999 were resident geologist Pamela Sangster and District geologist V. Chris Papertzian from MNDM. This meeting led to the presentation of the abstract for the conference held in Colorado on september 11 and 12<sup>th</sup>, 1999. Samples were also taken by the visiting geologists to be examined at a further date. Mr. Francis has indicated further research of the Allanite -(Y) by Harvard University shall be pursued.

## **STUDY FINDINGS**

### **Property Geology**

These reconnaissance observations and photo's indicate this deposit has value and truly unique. The photo's reveal the deposits diversity and give a perspective not apparent prior to blasting and a new perspective of economic potential for decorative stone.

PHOTO 1 : Looking S/W on trench wall, blasting exposed granite-quartz contact with fused seam of the two different ores.

PHOTO 2 : Looking S/W into trench blasting revealed mixture of red microcline, biotite, quartz blend.

PHOTO 3 : Looking S/W mix of microcline, biotite, plagioclase, quartz.

PHOTO 4 : Looking S/W trenching has been expanded both in depth and width, worked area is running 50 m N/S and 10 m E/W (see Figure 1).

PHOTO 5 : looking at west wall of trench, blasting exposed quartz seam and biotite books.

PHOTO 6 : Looking N along trench wall, blast revealed a mixture of biotite, quartz, microcline and granite intertwined for an interesting conglomerate.

PHOTO'S 7-10 : Pieces of mineral exposed from blast and excavation.

**Abstract : See attachment ( 2 pages)**

### **Conclusions**

Based on the gathered data and research to date the pursuance of ongoing research to further market and develop this deposit will be engaged. Detailed drilling will be required to determine exact locations of contacts and reserves available. In addition to the economic value of the Allanite-(Y), pegmatite, quartz and other accessory minerals, our direction for further exploration should be appreciated. Detailed geological and geophysical work may further define the potential of the property. End of Report

## **COSTS PHASE 4**

### **Direct Expenses**

Apr 27 - May 4, 1999 Blasting, de-watering and trenching	
.....	\$16,146.30
Field Supervision May 2 & 9 <sup>th</sup> , June 15, Aug 23, Sept 16, 1999	
.....	\$750.00
Mechanical trenching, overburden stripping June 11-15th	
.....	\$3500.00
June 22/23, 1999 claim owners travel to site meet with 5 geologists	
.....	\$900.00
Oct 25-26, 1999 Report writing	
.....	\$300.00
Mobilization to claim site	
.....	\$300.00
<b>TOTAL .....</b>	<b>\$21,896.30</b>

### **Indirect Expenses**

Misc. disbursements for phone, computer faxes and photocopies	
.....	\$120.00
Food & Lodging	
.....	\$180.00
<b>Total direct and indirect expenses</b> .....	<b>\$21,896.30</b>
	<u>\$300.00</u>

**Total Phase 4** **\$ 22,196.30**

The following individuals undertook the prospecting work of this exploration:

ALAN A. REED



334 O'Hara Rd, Madoc ON KOK 2K0 613-473-2969

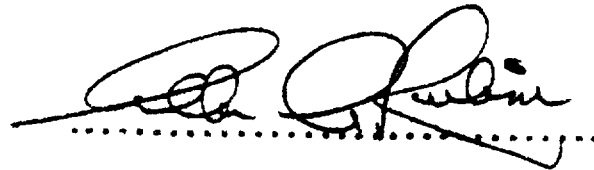
EDWIN A. HOOVER



11129, 9<sup>th</sup> Line, Markam ON L6B 1A8

905-640-5933

Allan A. Rubin



67 Lunau Lane, Thornhill, ON L3T 5NT

905-640-0500

**THE E. E. FOORD MEMORIAL SYMPOSIUM  
ON  
NYF GRANITIC PEGMATITES**

***PROGRAM and ABSTRACTS***

September 11 and 12, 1999

Ricketson Auditorium  
Denver Museum of Natural History  
2001 Colorado Boulevard  
Denver, Colorado 80205, U.S.A.

*Held in association with and sponsored by:*

The Denver Museum of Natural History, The Canadian Mineralogist, Mineralogical Association of Canada, Rochester Mineralogical Symposium, Harvard University Mineralogical Museum, Friends of Mineralogy – Colorado Chapter, The Pegmatite Interest Group (PIGS), and

***Friends of Eugene E. Foord***

R.R. and Carol Londot, Robert Whitmore, Robert Borofsky, John Lucking, The Collectors Edge – Bryan and Kathryn Lees, Kristalle – Wayne and Dona Leicht, Skip Simmons, Karen Webber, Don Dallaire, Gordon Jackson, Susan's Jewelry Repair, Greg Kirby, Steffen Hermanns, Jonathan Herndon, Martin Kippley, Scott Higgins.



**RARE-ELEMENT MINERALOGY OF THE J.C. GOLE PEGMATITE,  
MURCHISON TOWNSHIP, MADAWASKA DISTRICT, ONTARIO**CARL A. FRANCIS<sup>§</sup> AND DAVID E. LANGE*Department of Earth and Planetary Sciences, Harvard University, Cambridge, Massachusetts 02138, U.S.A.*

RONALD C. PETERSON

*Department of Geological Sciences and Geological Engineering, Queen's University, Kingston, Ontario K7L 3N6, Canada*<sup>§</sup> *E-mail address: francis@eps.harvard.edu*

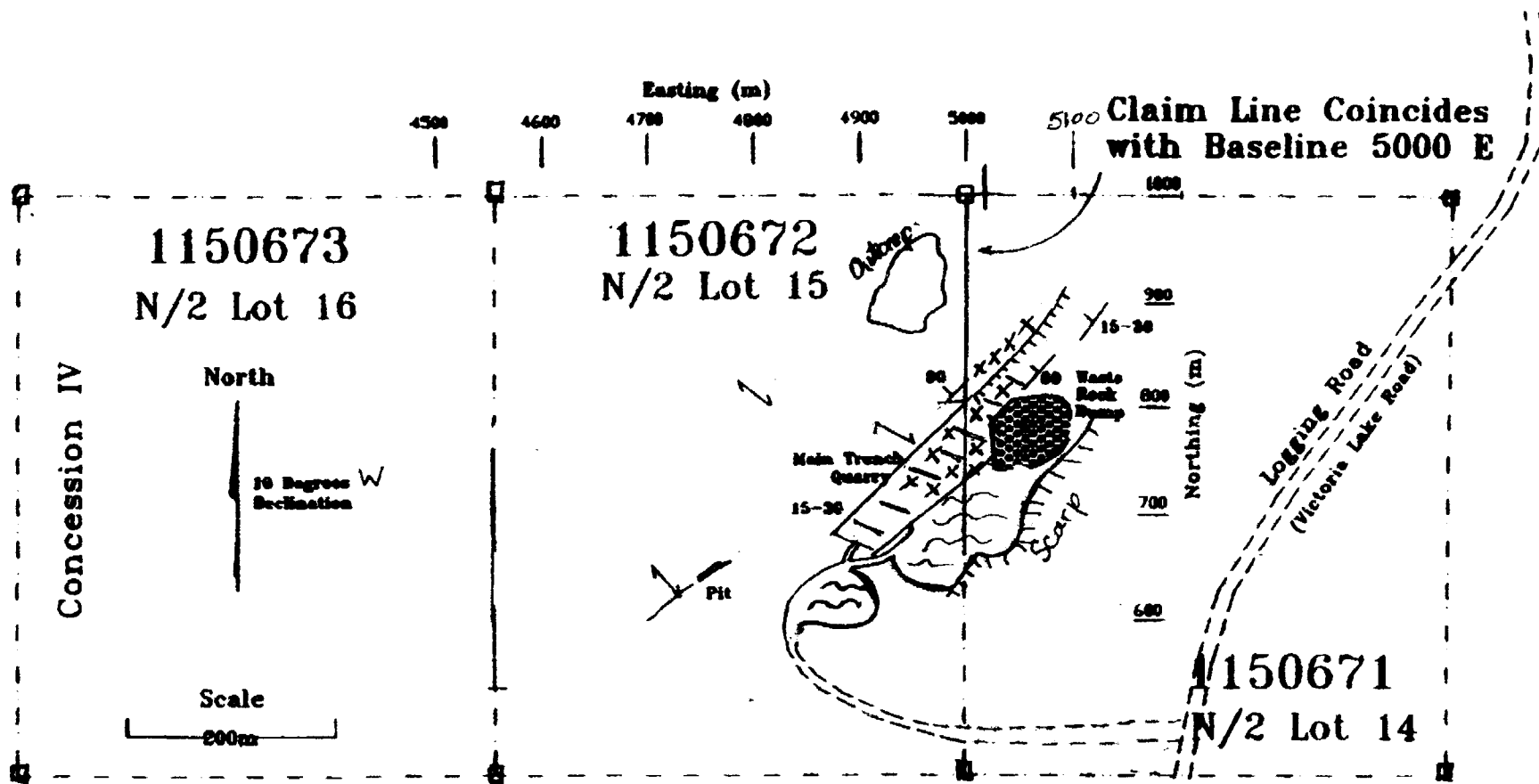
The Gole pegmatite is the largest feldspar mine in the Madawaska field, located in southern Ontario 50 km north of Bancroft. The Madawaska pegmatites intrude high-grade gneisses of the Central Gneiss Belt, a subdivision of the Grenville Province. They were metamorphosed during the 1.1 Ga Grenville Orogeny. Because this region has been mapped only at a reconnaissance level, post-tectonic granitic rocks that might be comagmatic with the pegmatites are unknown.

The Gole pegmatite strikes N30°E and has a vertical dip. It is 9 to 12 m wide by 150 m long and has been excavated to depths of 3 to 5 m. It is a simple zoned pegmatite with a milky to clear quartz core. Giant red microcline crystals and masses were mined from the intermediate zone adjacent to core. The plagioclase-rich wall zone contains radiating books of biotite that are deformed and partly chloritized. The absence of primary muscovite implies a metaluminous bulk composition.

Although the accessory minerals are quantitatively insignificant (<0.1% by volume), the Gole pegmatite is noted for its crystals of yttrium-rich allanite up to 60 cm across, and fergusonite up to 8 cm across. A 70 kg lot of accessory minerals collected by H.S. Spence in the 1940s when the mine was active is under study. It contains (in order of abundance): allanite, fergusonite, zircon, titanite, hematite-magnetite, polycrase, and uraninite. Secondary minerals are completely lacking.

The accessory minerals are rich in Y, REE, Nb, Ti, Zr, and Fe. They occur embedded in biotite or in feldspar between the sheets of biotite. This assemblage is strikingly characteristic of NYF pegmatites worldwide. The Gole pegmatite can be assigned to Černý's heavy-rare-earth (gadolinite) subtype of rare-element pegmatites. However, F, Be and P, which are typically present in NYF pegmatites, are lacking in the Madawaska field. This may be a significant reflection of their deep-seated origin, which distinguishes them chemically and mineralogically from miarolitic NYF pegmatites associated with epizonal anorogenic granite plutons.

X-ray powder diffraction, electron-microprobe analyses and trace-element analysis by laser ablation - ICP - mass spectroscopy have better characterized these minerals. An age of  $1017 \pm 13$  Ma was calculated from measured values of U/Pb.



- Legend**
- Overburden Stripping
  - Blasted Area
  - Claim Post (Found)
  - Pit/Open Cut
  - Grid Line
  - Foliation
  - Pegmatite Contact

**Madawaska Claim Group**  
**Murchison Township, District of Nipissing**

Figure 2

scale 1:5,000

**Site Plan**



Photo : 7



Photo: 2



Photo: 3



Photo: 4



Photo: 5



Photo : 6





Photo: 7



Photo: 8

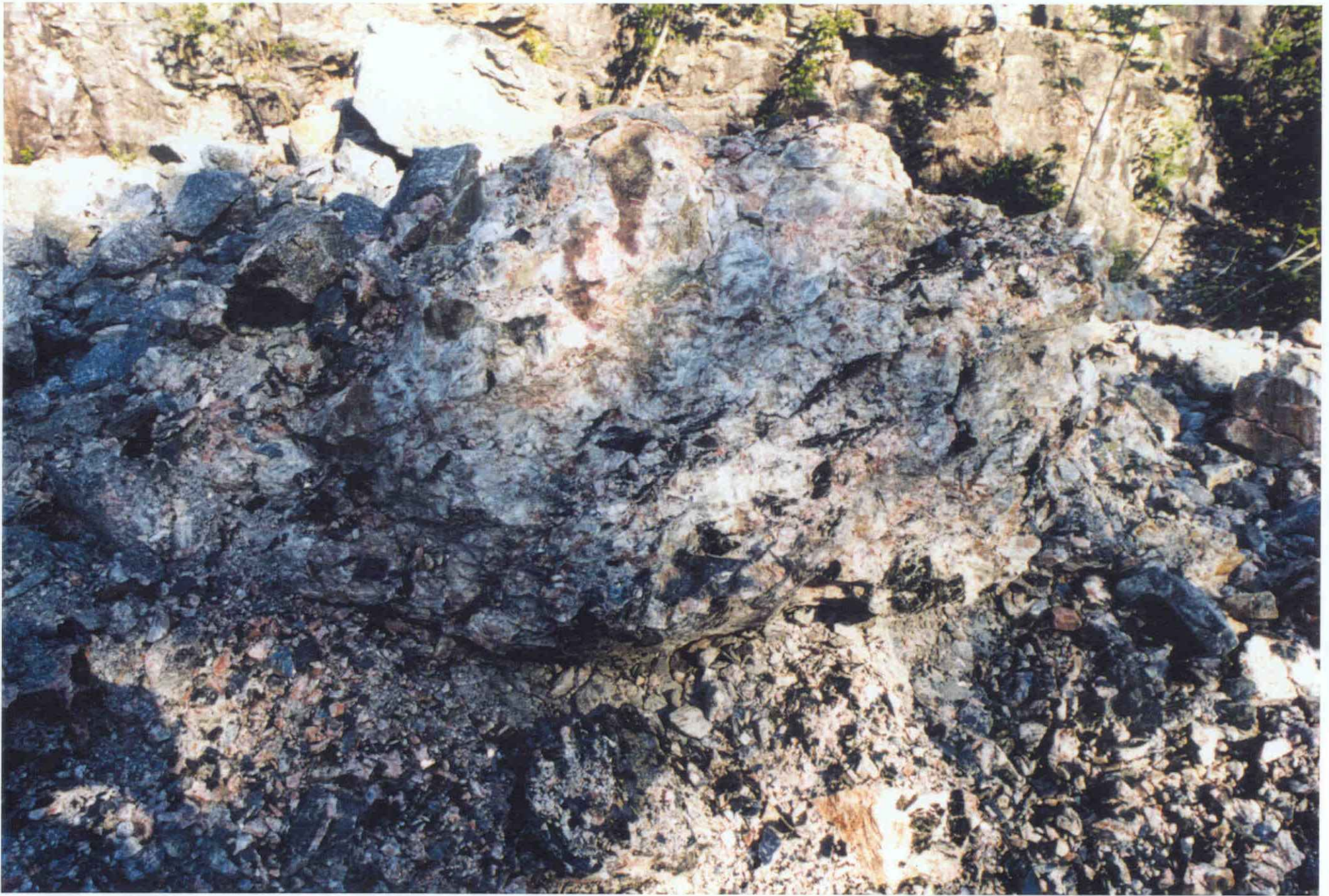


Photo : 9

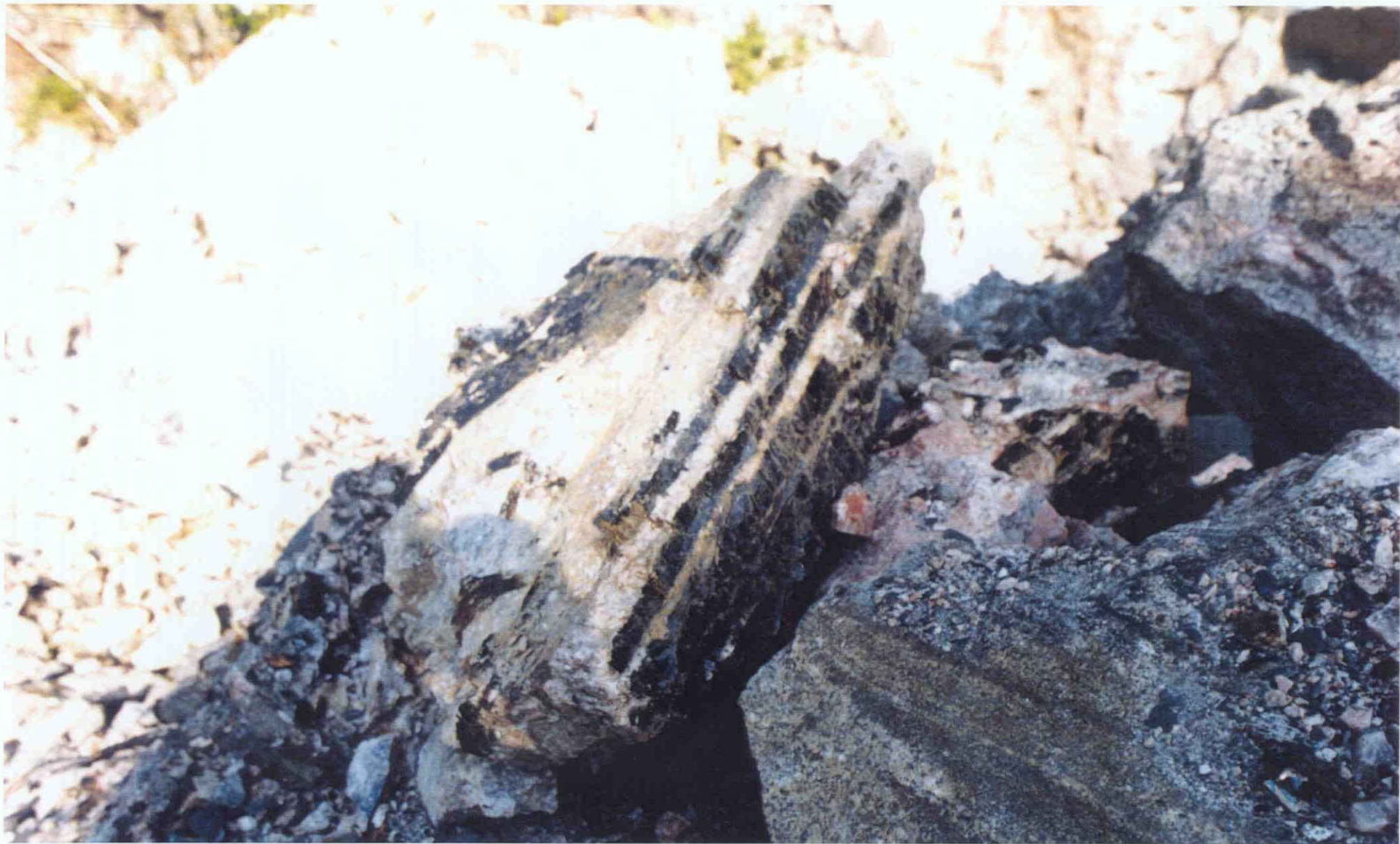


Photo: 10

19825

**2. 198 25**

**Drill & Blasted area as indicated on map**

**Stripped and cleared overburden as indicated by map**

**Trenched area as indicated by map**

Dewatered 10 feet of water out of trench, drilled and blasted northerly to expose mineralization

Parent material at surface - black granite with high CGS reading, mixed with Mica, Quartz, Pegmatite as indicated by photo's submitted.

Mineralization revealed large quartz pocket in Area A exposed on west face of wall, Allanite seam and pegmatite fold, Mica and quartz conglomerate in tight configuration with some Orthoclase crystalization. Area B revealed milky quartz vein on south face running length of worked area, with a huge Biotite book 5 feet across the south face of trenching.

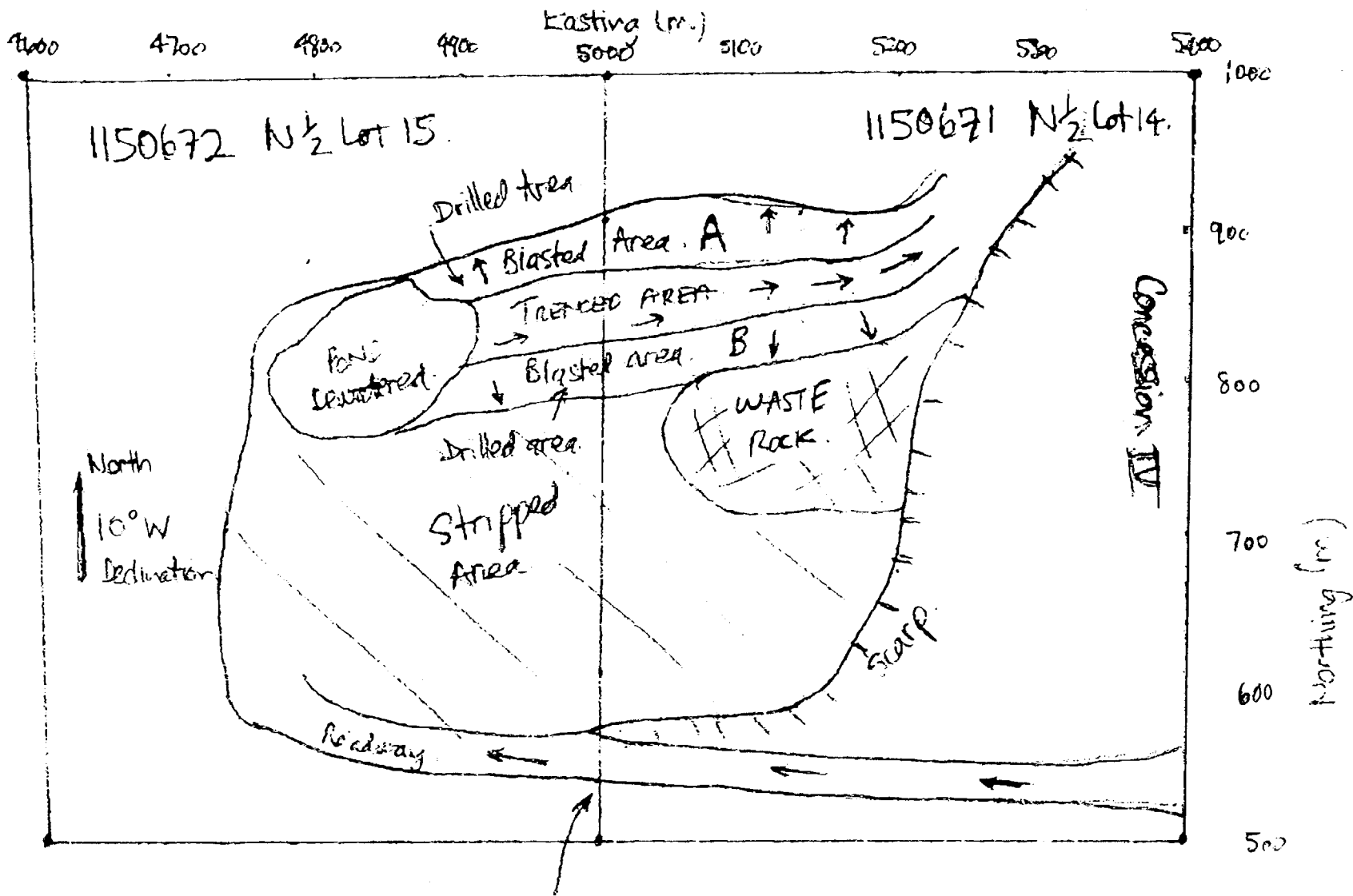


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MURCHISON

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R



Scale

1" = 5,000'

Madawaska Claim Group.

Murchison Twp, District of Nipissing

Claim line coincides with Baseline 5000 E

**COSTS PHASE 4****Direct Expenses**

Start date : Apr 27, 1999

Finish date: May 4, 1999

Clear Overburden, Dewatering, Drill, Set Charges, Blast, Trenching

Equipment: 742 Atlas Copco Hydraulic Drill  
 John Deere Backhoe  
 Water pump rental ( 2 pumps )

Drill & Driller	74 hrs @ \$150.00	= \$ 11,000.00
Backhoe	14 hrs @ \$50.00	= \$ 700.00
Labor	130 hrs @ \$15.00	= \$ 1,950.00
Pump rental/ Fuel		= \$ 500.00
Float Charge In/Out	12hrs @ \$60.00	= \$ 720.00
		.....
	subtotal	\$ 14,870.00

Explosives:	150 bags Amex	= \$ 3,000.00
	26 bags Waterproof Amex	= \$ 1,170.00
	31 boxes Magnum Filler	= \$ 2,480.00
	426 caps	= \$ 2,130.00
	11 boxes Primers NG 50 x 400	= \$ 1,375.00
		.....
	subtotal	\$ 10,155.00

**Start/Finish June 11-15, 1999 Stripping, Clear overburden, Trenching**

Equipment: JD Excavator, 2 Tandem Dump Trucks

Excavator and operator	48 hrs @ \$50.00	= \$ 2,400.00
Dump Trucks	30 @ \$ 30.00	= \$ 900.00
		.....
	subtotal	\$ 3,300.00

6

Field Supervision May 2 & 9<sup>th</sup>, June 15, Aug 23, Sept 16, 1999

..... \$750.00

June 22/23, 1999 claim owners travel to site for meeting with 5 geologists to  
prospect and discuss abstract

..... \$ 900.00

Oct 25-26, 1999 Report writing

..... \$ 300.00

Mobilization to claim site

..... \$ 300.00

SUBTOTAL ..... \$ 30,575.00

### Indirect Expenses

Misc. disbursements for phone, computer faxes and photocopies

..... \$120.00

Food & Lodging

..... \$180.00

**Total direct and indirect expenses**

..... \$30,575.00  
\$ 300.00

**Total Phase 4 ..... \$ 30,875.00**





Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9990.00055 Assessment Files Research Imaging



31E09SE2003 2.19825 MURCHISON 900

y of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the to review the assessment work and correspond with the mining land holder. ig Recorder, Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

2.19825

1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, Fax Number for two recorded holders.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

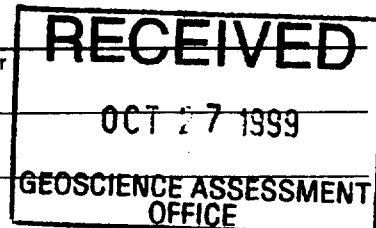
Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling, stripping, trenching and associated assays Rehabilitation

Form with fields for Work Type (Blasting, de-watering, trenching, stripping), Office Use, Dates Work Performed, NTS Reference, Mining Division, Resident Geologist District.

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, Fax Number for three persons/companies.



4. Certification by Recorded Holder or Agent

I, Alan A. Reed, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Form with fields for Signature of Recorded Holder or Agent, Date (Oct 26/99), Agent's Address, Telephone Number, Fax Number.

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

eg	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg	TB 7827	16 ha	\$26, 825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$ 8, 892	\$ 4,000	0	\$4,892
1	1150671	16 ha	7,398.76	400.00		6998.76
2	1150672	16 ha	7,398.76	400.00		6998.76
3	1150673	16 ha	7,398.76	400.00		6998.76
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
<b>Column Totals</b>			22,196.36	1200.00		20,996.29

I, Alan Arthur Reed, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Alan A. Reed Date: Oct 26/99

6. **Instructions for cutting back credits that are not approved.**

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

<b>For Office Use Only</b> Received Stamp	RECEIVED		
	OCT 27 1999	Deemed Approved Date	Date Notification Sent
	GEOSCIENCE ASSESSMENT OFFICE	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)			

★ Attachment ★

2000025

The following recorded holders undertook the prospecting work of this exploration:

ALAN A. REED

client # 186410

.....  
334 O'Hara Rd, Madoc ON KOK 2KO 613-473-2969

EDWIN A. HOOVER

client # 224493

.....  
11129, 9<sup>th</sup> Line, Markam ON L6B 1A8  
905-640-5933

Allan A. Rubin

client # 303356

.....  
67 Lunau Lane, Thornhill, ON L3T 5NT  
905-640-0500

**RECEIVED**  
OCT 27 1999  
GEOSCIENCE ASSESSMENT  
OFFICE

OCT 27 1999



Statement of Costs for Assessment Credit

Transaction Number (office use) W9990.00055

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of Work, Cost Per Unit of work, Total Cost. Includes entries for Blasting, Mechanical trenching, stripping, Field Supervision, Report writing, Mobilization, Claim owners visit site, Misc disbursements, Food and Lodging Costs, and Total Value of Assessment Work.

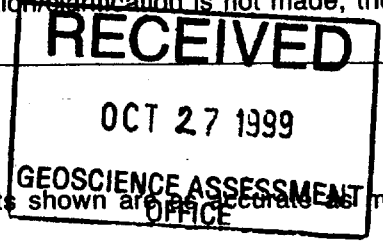
Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.



Certification verifying costs:

I, Alan A. Reed, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as recorded holder. I am authorized to make this certification.

Signature: Alan A. Reed Date: Oct 26 1999

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

March 7, 2000

ALAN ARTHUR REED  
334 O'HARA ROAD  
MADOC, Ontario  
K0K-2K0

Telephone: (888) 415-9845  
Fax: (877) 670-1555

Visit our website at:  
[www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number:** 2.19825

**Status**

**Subject: Transaction Number(s):** W9990.00055 Approval After Notice

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact STEVE BENETEAU by e-mail at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY  
Blair Kite  
Supervisor, Geoscience Assessment Office  
Mining Lands Section

# Work Report Assessment Results

---

**Submission Number:** 2.19825

**Date Correspondence Sent:** March 07, 2000

**Assessor:** STEVE BENETEAU

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<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9990.00055	1150671	MURCHISON	Approval After Notice	March 05, 2000

**Section:**

10 Physical PSTRIP  
10 Physical PTRNCH

The deficiencies outlined in the 45 Day Notice dated January 20, 2000 have been corrected. However, the \$900.00 for the site visit will still be reduced from this submission. Accordingly, assessment work credit has been redistributed and approved, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

**Correspondence to:**

Resident Geologist  
Tweed, ON

Assessment Files Library  
Sudbury, ON

**Recorded Holder(s) and/or Agent(s):**

ALAN ARTHUR REED  
MADOC, Ontario

EDWIN ARTHUR HOOVER  
MARKHAM, ONTARIO

ALLAN AUBREY RUBIN  
THORNHILL, ONTARIO

---

# Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

**Date:** March 07, 2000

**Submission Number:** 2.19825

---

**Transaction Number:** W9990.00055

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1150671	10,648.00
1150672	10,648.00
1150673	0.00
<b>Total: \$</b>	<b>21,296.00</b>

---

**REFERENCES**

**AREAS WITHDRAWN FROM DISPOSITION**

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
SEC. 36/80	N.S./81	1/9/81	M.B.S.	149759
PARK RESERVE	N.S./83	12/9/83	N.S.S.	18854

**\* SUBJECT TO TIMBER OPERATIONS  
APRIL 1, 1868 TO MARCH 31, 1990 \***

Ⓢ Pending Application under the Public Lands Act for proposed Disposition (S.R.O.)

**NOTES**

SUBDIVISION OF THIS TOWNSHIP INTO LOTS & CONCESSIONS WAS PARTIALLY ANNULLED 7th MARCH, 1955

**SAND and GRAVEL**

- QUARRY PERMIT
- MTC P.T. 5426
- MTC P.T. 5419
- GRAVEL FILE 27919
- QUARTZ FILE 12379
- MTC P.T. 5422
- MTC P.T. 5423

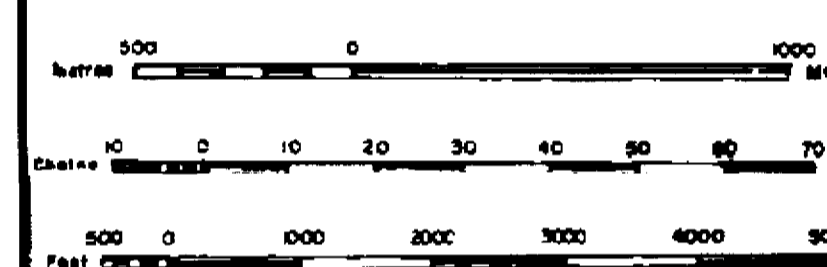
**LEGEND**

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT
- LAND USE PERMITS

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	◔
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊘
SAND & GRAVEL	⊚

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913 VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 280, SEC. 83, SUBSEC. 1



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

**TOWNSHIP MURCHISON SOUTH HALF**  
 N.S.R. ADMINISTRATIVE DISTRICT  
**ALQUIN PARK**  
 BRANCH DIVISION  
**SOUTHERN ONTARIO**  
 LAND TITLES / REGISTRY DIVISION  
**NIPISSING**



Date: SEPTEMBER 1986  
 Number: **G-1391**

