



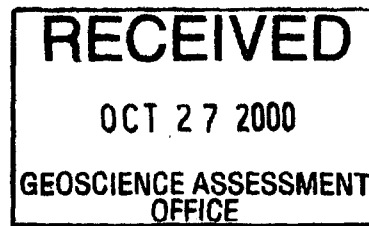
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**2.20673**

**GEOLOGY OF CLAIM NO. 1229500**

**STRONG TOWNSHIP  
DISTRICT OF PARRY SOUND**



**BY GREG R. JONES**

2000



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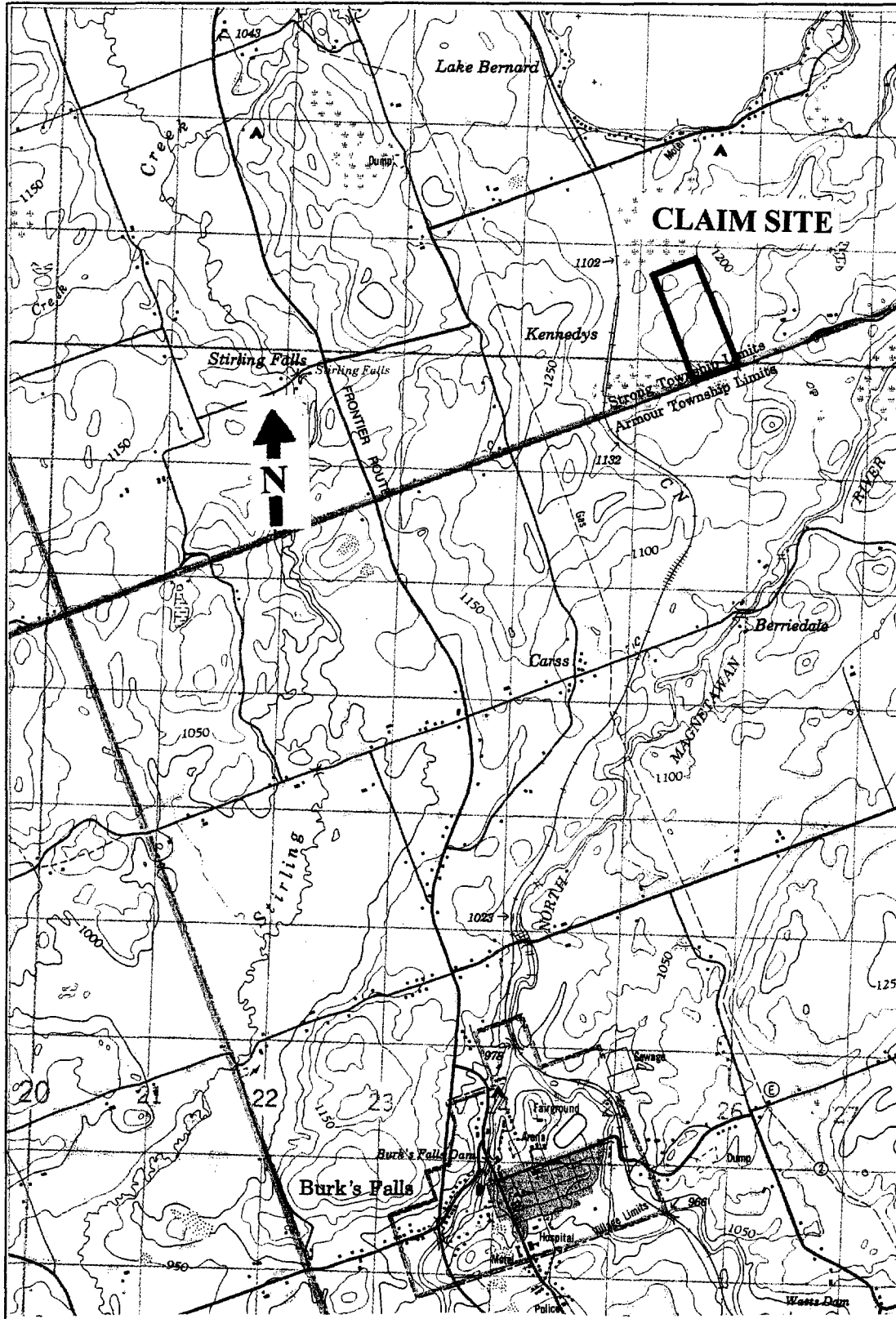
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FIGURE 1: KEY MAP SHOWING LOCATION OF CLAIM NO. 1229500 IN STRONG TOWNSHIP, PARRY SOUND DISTRICT, SCALE 1:50,000.



## 1.0 INTRODUCTION

### 1.1 Location and Access

This geological report covers a staked mining claim numbered 1229500 comprising lot 15, concession 1 in Strong Township, District of Parry Sound. The claim, which will be subsequently referred to as the "claims or the claim site" is located on crown land in the Southern Mining Division of the Ministry of Northern Development and Mines.

The claim is situated approximately 7km northeast of Burk's Falls along the southern boundary of Strong Township. The southern boundary of the claim site fronts Pevensky Road about 3km east of Highway 11. A northwest trending trail provides access through the southern portion of the site(see Figure 4).

### 1.2 Mining Claim Site

The mining claim site is shown in Figure 2 and further information is provided in Appendix A. The holder of claim no. 1229500 is Miller Paving Limited of 505 Miller Ave., Markham, Ontario, L3R 9R8. Miller paving also holds quarry permit no.20787 which covers the southern two thirds of the lot. Patented lands surround the claim site.

Mr. Greg Jones (Licence # A52174) of 86 Browning Ave., Toronto, Ontario, M4K 1V9 conducted the geological investigation of the site. A summary of his qualifications is provided in Appendix B.

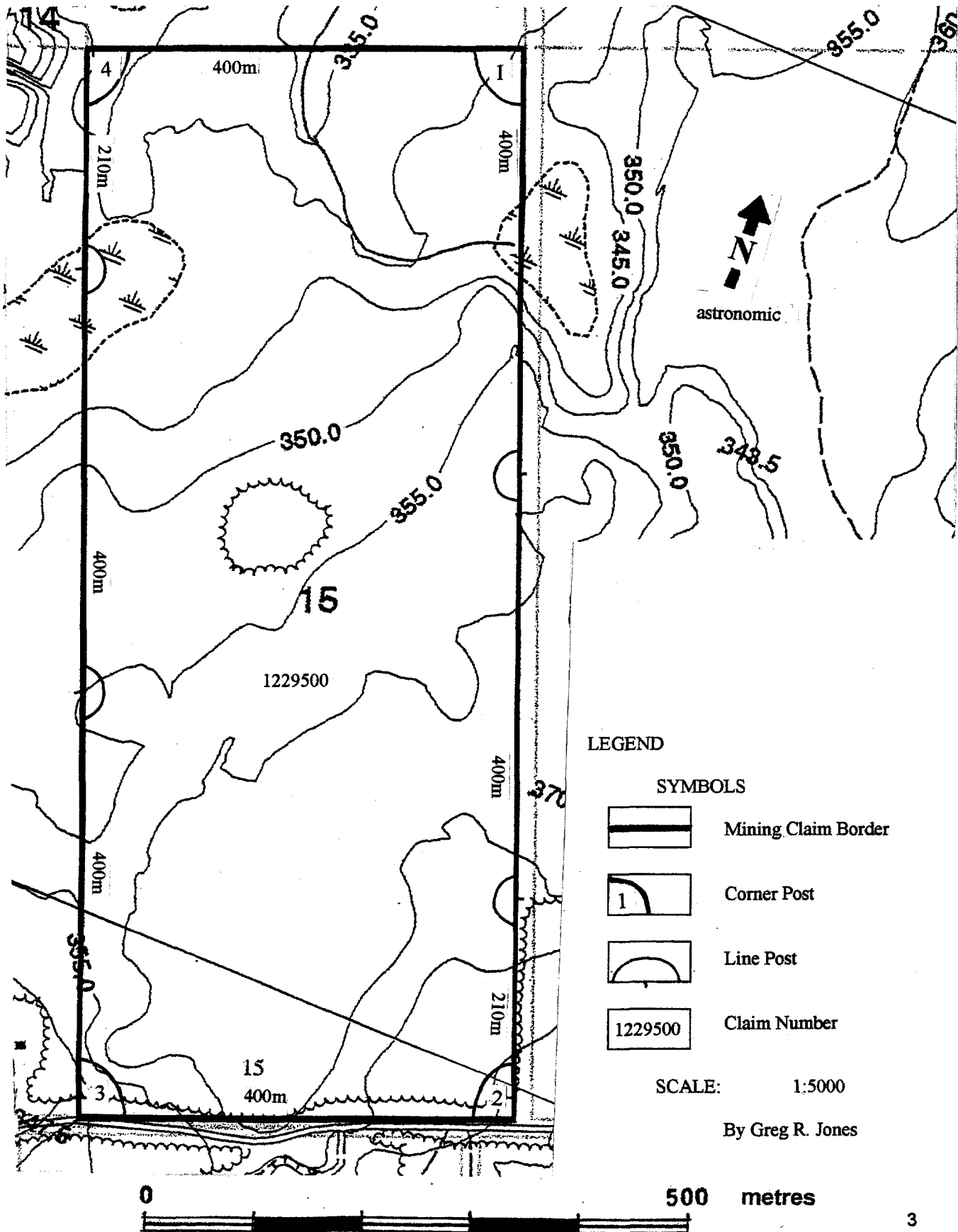
### 1.3 History of Exploration Work

A search of the Ministry of Northern Developments ERLIS system indicates that previous exploration activities on the site have not been recorded. However, Strong Township has been a past producer of feldspar from two pegmatite sources south of Bernard Lake and a number of mica and graphite occurrences have been looked into in the past (Martin 1982).

### 1.4 Present Survey




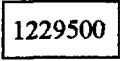
The present survey is a result of 2 days (see Appendix C) conducting traverses and geological mapping on the site. Detailed notes taken during traversing the site and observations made at bedrock outcrops have been included in Appendix D. During the site visits, prospective areas were identified and numerous samples were taken. Ten of these samples were submitted for assay.

FIGURE 2: MINING CLAIM MAP



LEGEND

SYMBOLS

-  Mining Claim Border
-  Corner Post
-  Line Post
-  Claim Number

SCALE: 1:5000

By Greg R. Jones



Table 1: TABLE OF LITHOLOGIC UNITS FOR THE CLAIM SITE

PHANEROZOIC
CENOZOIC
RECENT
Swamp, lake and stream deposits
PLEISTOCENE
Sand, gravel, clay, till and bolders
<i>Unconformity</i>
PRECAMBRIAN
LATE PRECAMBRIAN
LATE TO POST TECTONIC FELSIC INTRUSIVE ROCKS
PEGMATITIC INTRUSIVE ROCKS
Potassic pegmatite sills and dikes
MESOPROTEROZOIC
CENTRAL GNEISS BELT
GNEISSES OF UNDETERMINED PROTOLITH
Foliated biotite quartz feldspar gneiss

## 2.0 GEOLOGY

### 2.1 General Geology

The bedrock in the region is Precambrian aged and part of the Grenville Province of the Canadian Shield. The province extends from Lake Huron in the west to the Labrador coast in the east, and south to New York State. The northern boundary of the Province is marked by the presence of the Grenville Front which trends east-west just south of Sudbury, Ontario. The Province has been divided into two belts in Ontario. The northern two thirds is known as the Central Gneiss Belt, whereas the Central Metasedimentary Belt occurs in the southern third (Wynne-Edwards 1972). The claim site lies within the Central Gneiss Belt.

During the Grenville Orogeny, most of the rocks in the Grenville province were highly metamorphosed, resulting in the modification or obliteration of much of the original features (Hogarth et. al. 1972). The orogeny is believed to be a major compressional event that is characterized by a stacked series of thrust faults directed to the northwest (Culshaw *et. al.* 1983). The Central Gneiss Belt has been thus further subdivided into several stacked domains. The claim site lies within the Kiosk domain which occurs in the lowest stack. The Kiosk domain consists largely of gneisses that trend in a general east-northeast direction. It also includes monzonitic plutonic rocks such as those of the Powassan Batholithic Complex which occurs just north of the claim site (Marmont and Johnson 1987).

During the late stages of metamorphism, relatively unmetamorphosed granitic pegmatite dikes were intruded into the gneisses in the area.

The area in the vicinity of the claim site has yet to be mapped in a systematic and detailed fashion. Most of the mapping has been undertaken at a reconnaissance level (i.e. Ontario Geological Survey 1991).

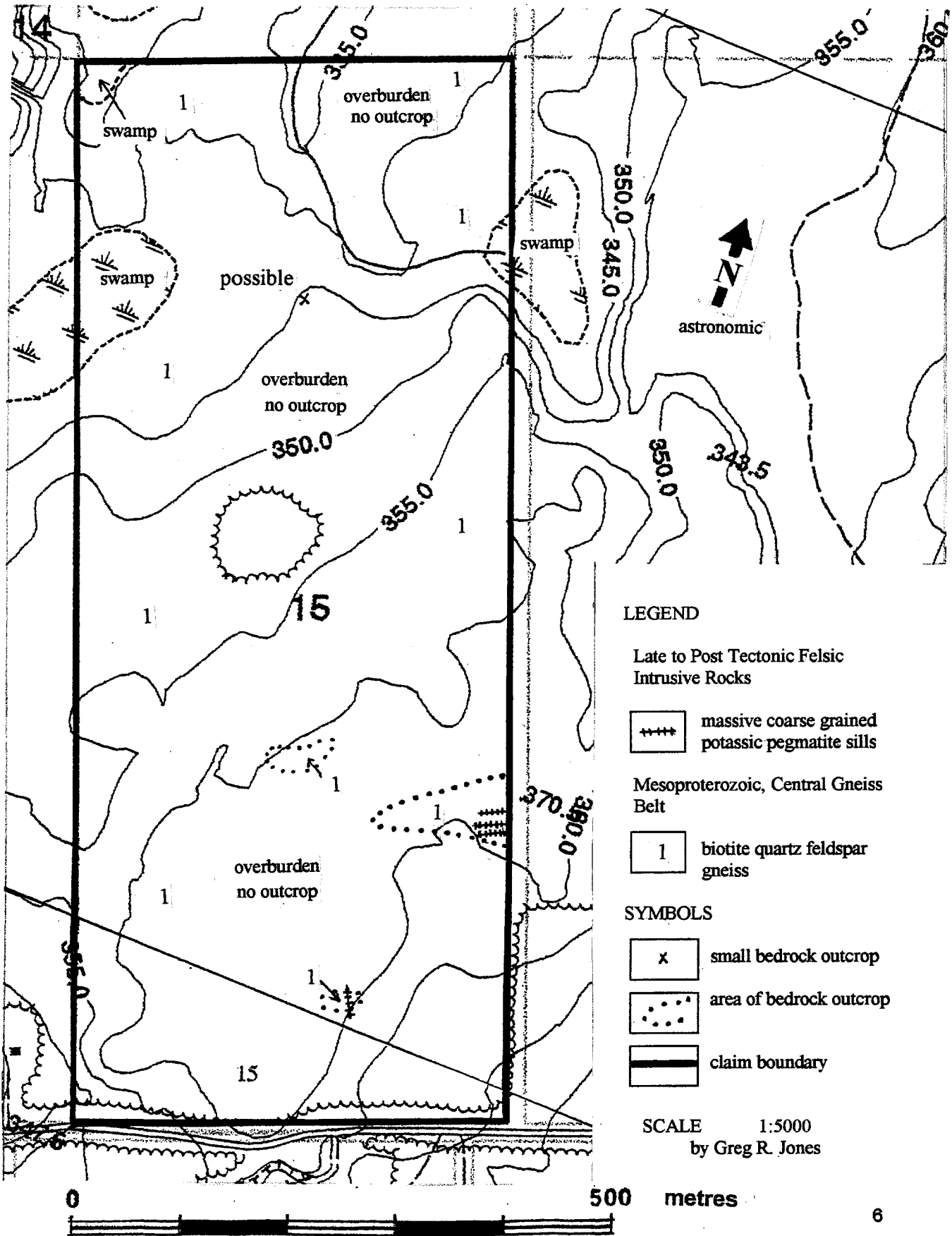
### 2.2 GNEISS

The dominant rock type within the claim site is biotite quartz feldspar gneiss. It is a medium grained foliated rock that has a sugary texture on fresh broken surfaces. It has been mapped as unit 1 on Figure 3. The rock typically contains 20 to 25% ferromagnesium minerals of which biotite mica predominates. It may also contain minor amounts of hornblende and trace amounts of garnet. The light coloured felsic and dark ferromagnesium rich layers often occur in bands ranging from .5 cm to 1 cm in width.

Although the majority of the gneiss is well foliated, it does contain some weakly foliated units with 2 to 10% ferromagnesium minerals. These weakly foliated units occur in all the outcrops, with the largest exposures observed at site



FIGURE 3: PRECAMBRIAN GEOLOGY MAP



LEGEND

Late to Post Tectonic Felsic  
Intrusive Rocks

++++ massive coarse grained  
potassic pegmatite sills

Mesoproterozoic, Central Gneiss  
Belt

1 biotite quartz feldspar  
gneiss

SYMBOLS

x small bedrock outcrop

•••• area of bedrock outcrop

— claim boundary

SCALE 1:5000  
by Greg R. Jones

locations Str-5 (9m exposure) and Str-7 (1.8m exposure). Another poorly foliated unit was observed at site location Str-2. This unit however contained 30 to 40 percent ferromagnesium minerals. The poorly foliated gneisses were often the hardest and least brittle of the rocks exposed on the site. The well foliated gneisses varied from being hard in some samples to brittle in others. The brittle units often occur interbedded with the more competent layers.

The gneisses have been interpreted as occurring throughout the claim site although much of the area is covered by glacial overburden. At site location Str-6 it was difficult to determine with absolute certainty whether a 3 by 1.5m rock exposure was outcrop or the surface of a large glacial erratic. Should this exposure prove to be bedrock then it would support the mapping. If this exposure is found to be a glacial erratic, it would indirectly indicate that similar gneisses may underlay the area northeast of Str-6 in an up-ice direction.

### 2.3 Pegmatite Intrusive Rocks

During the late stages of metamorphism, granite pegmatite dikes were intruded into the gneisses. White to pink weathering pegmatite dikes occur at site locations Str-1 and Str-7 (see Figures 3 and 4).

The pegmatite at site location Str-1 occurs as dikes which cross-cut the foliation and vary in width from .15 to 1m. They occur at intervals of 1.5 and 2.7m within the gneiss. Typically they consist predominantly of coarse grained feldspar and quartz. They may also contain up to 5 percent of dark black coloured platy crystals. These crystals are likely amphibole but could also be a rare element mineral. A sample of the pegmatite containing these crystals has been submitted for assay to aid in identification.

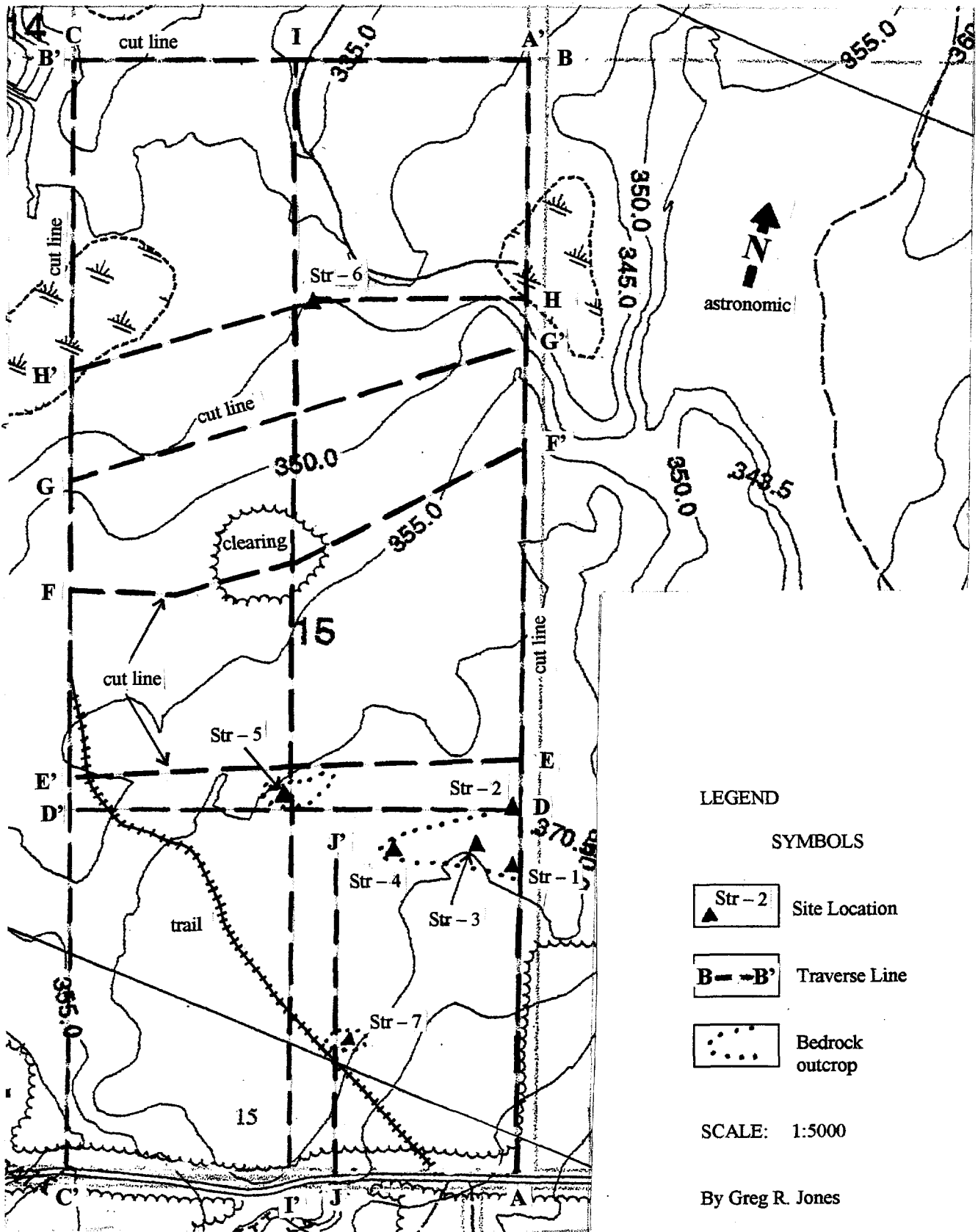
Pegmatite occurs in a .15 m wide northwest trending dike at site Str-7. This pegmatite consists primarily of coarse grained quartz and feldspar. Similar to the other pegmatites, it cross-cuts the foliation of the gneiss country rock.

### 2.4 Pleistocene and Recent

During the Late Wisconsinan Substage of the Pleistocene Epoch, glacial ice advanced in a southwesterly direction across the area. In the Highway 11 corridor area, two separate lobes of the ice sheets were joined. The area where they were joined acted a conduit for the movement of glacial meltwaters resulting in the deposition of sand and gravel deposits. A glacial lake occupied lower lying areas between the lobes as the ice melted. The sand and gravel features that were deposited into a glacial lake often exhibit a rounded or subdued topographic expression.

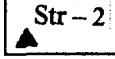
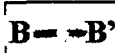
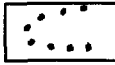
The dominant glacial landform in the claim site is ice contact stratified drift (see Figure 5). Hummocky to flat lying Ice-contact sand and gravel surrounds a

FIGURE 4: SAMPLE AND TRAVERSE LOCATION MAP



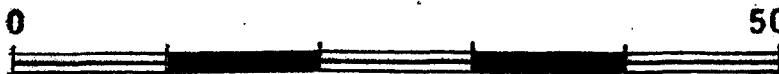
LEGEND

SYMBOLS

-  Str-2 Site Location
-  B--B' Traverse Line
-  Bedrock outcrop

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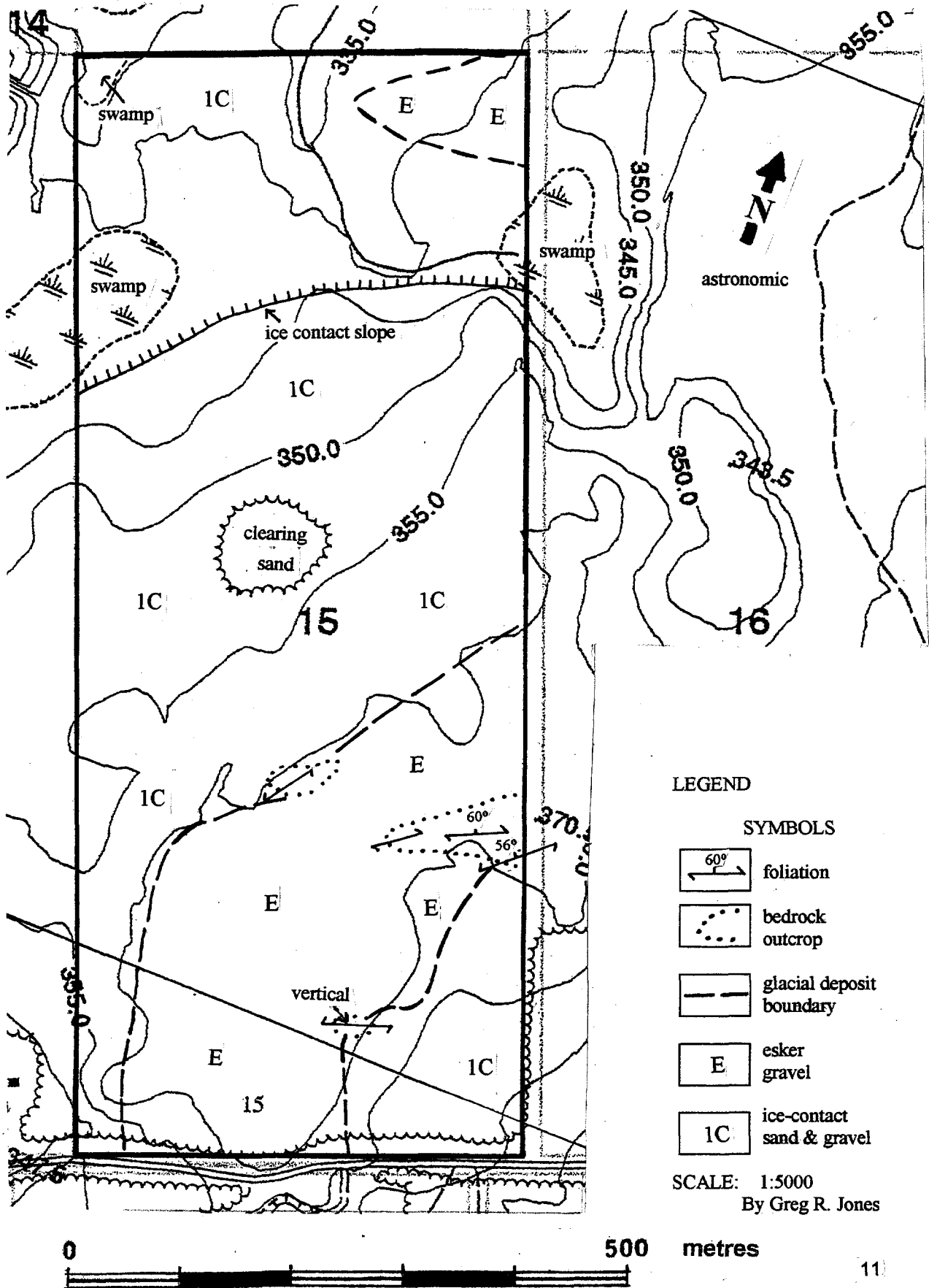
central core identified as an esker ridge. Typically the esker ridge contains coarse gravel with the sand content increasing in the ice-contact material away from the esker. Most of the claim site is underlain by significant thickness of sand and gravel of ice-contact/esker origin, with the exception of the recent swamp deposits and bedrock outcrops identified on Figure 5.

### 3.0 STRUCTURAL GEOLOGY

Foliation is the dominant structural element of the gneisses exposed in the claim site. The foliation is likely the result of high strain metamorphism that occurred during the Grenville Orogeny. The foliation is caused by the planar orientation of biotite and hornblende. The strike of the foliation varies from 210 to 248 degrees (see Figure 5) which roughly parallels the contact with the Powassan Batholithic Complex to the north. The foliation was observed to dip at between 56 and 60 degrees to the north at the outcrop in which site locations Str-1 to 4 (see Figure 4) are located, and was vertically inclined at site Str-7.






No significant folds or faults were observed in bedrock exposures on the site. Joints, striking at 228 and 310 degrees (see Appendix D) were recorded at sites Str-3 and Str-4, respectively.

FIGURE 5: STRUCTURAL GEOLOGY AND GLACIAL GEOLOGY MAP



LEGEND

SYMBOLS

-  foliation
-  bedrock outcrop
-  glacial deposit boundary
-  esker gravel
-  ice-contact sand & gravel

SCALE: 1:5000  
By Greg R. Jones

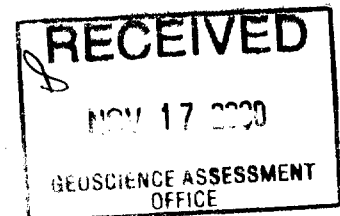
#### 4.0 ECONOMIC GEOLOGY AND ASSAY RESULTS

The gneiss exposed in the claim site is considered to have low potential for finding economic resources of base or precious metals. The gneiss has only trace amounts of sulphides which are usually associated with these metal deposits. Assay results from 9 samples of the gneiss indicated insignificant quantities of silver, copper, nickel, zinc and other types of mineralization (Appendix E).

Perhaps the greatest potential of these gneisses is as a source of graphite. Garland (1991) indicates that there is an association between graphite deposits and the lower most stacked domains of the Central Gneiss Belt. As the Kiosk domain, in which the claim site is located, occurs in the lowest stack, then the gneisses of this domain provide a fertile target for the exploration for graphite. Although graphite was not discovered during the course of this investigation in outcrop exposures, there exists the potential to find graphite and/or other economic minerals at depth below the glacial cover. There are several graphite occurrences in Strong Township (Martin 1982) and graphite has been mined in neighbouring Butt Township.

The pegmatite in the claim site may be a potential source of rare element mineralization. Rare element mineralization has recently been the subject of much study in northwestern Ontario (Breaks and Tindle 1997; Breaks *et. al.* 1998). The pegmatite in the claim site differs from that in northwestern Ontario in that high levels of lithium and cesium are not expected. The pegmatites on the claim site, however, may be potential sources of beryllium, niobium, rubidium and rare earths. Sample No. Str. - 1b of the pegmatite was submitted for multi-element analysis (Appendix E). The sample did not contain appreciable quantities of rare elements. It did contain a relatively high iron content related to the presence of magnetite which occurs as black platy crystals within the pegmatite. Beryllium contents were slightly elevated when compared to the surrounding gneisses and beryl has been discovered in pegmatites within Butt Township to the southeast.

Two adjacent pegmatite deposits located in lot 19, concession 1 and lot 19, concession 3 in Strong Township, have been previously worked for feldspar (Martin 1982). Due to advances in processing, feldspar is not generally mined from pegmatite bodies today because of their irregular and variable nature.



## 5.0 DISCUSSION AND RECOMMENDATIONS

The sample analysis indicates that the gneiss in bedrock exposures on the site is generally lacking in base and/or precious metals, and other elements of economic interest. Nevertheless, the gneiss is a potential source of graphite. The extensive areas of the claim site where the gneiss is overlain by thick glacial overburden remain untested exploration targets. An electromagnetic survey to determine the existence of conductive graphite zones would assist in defining exploration targets. This should be followed by appropriate subsurface exploration to test the target.

Although the exposed pegmatite units did not contain appreciable quantities of rare element mineralization, additional exploration may lead to the discovery of rare element bearing pegmatites below the cover of glacial overburden. Trenching using a backhoe in areas close to bedrock exposures is recommended to uncover additional bedrock exposures and potentially discover intersections of rare element bearing pegmatite or other economic deposits. Blasting/trenching of the bedrock itself to obtain fresh samples is also recommended should conditions warrant.



## 6.0 SUMMARY

The claim site is underlain by Precambrian aged rock of the Central Gneiss Belt of the Grenville Province. The predominant rock on the property is biotite quartz feldspar gneiss. The gneiss is generally medium grained and well foliated with an estimated 20 to 25 percent ferromagnesium minerals. Weakly foliated gneiss with ferromagnesium contents ranging from 2 to 10 percent occur interbedded with the well foliated varieties. Several small pegmatite dikes intrude the gneiss at two localities. Coarse grained feldspar and quartz are the primary constituents of the pegmatite.

During field investigation, detailed mapping was undertaken on the outcrop areas discovered through traversing the site. Ten samples of bedrock were taken for assay analysis. Although the results indicate that the gneiss contains little in the way of economic minerals, the gneiss remains a potential target for exploration for graphite. Much of the claim site remains untested for graphite or other mineralization as a thick cover of glacial drift masks the nature of the underlying bedrock. In addition, the pegmatite bodies in the claim site are potential sources of rare elements.

Consequently, further work is recommended to explore for mineralization suitable for economic development. This work should involve trenching using a backhoe to expose more bedrock, trenching/blasting of the bedrock itself and possibly conducting an electromagnetic survey to identify conductors as potential graphite targets.

## Acknowledgements

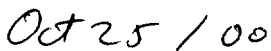
The author wishes to thank Mr. Tom Jones of Miller Paving Limited for his support and the opportunity for conducting this investigation. In addition, Mr. David Gary Bell of Miller Paving Limited for provided welcome assistance during the first day of field operations. Finally, I wish to thank Barbara Aikman who aided the author in drafting final copies of Figures 1 to 5 from the author's originals.

## Authorship

The undersigned is the sole author of this report and accompanying maps, figures, tables and appendices. The report is based on the interpretation of geological information obtained from the claim site and elsewhere up to the time of completion of the report. As more information becomes available for the claim in the future, it may be necessary to revise the information and recommendations of this report.

For a detailed summary of the author's qualifications, please refer to his C.V. in Appendix B. The author has made every effort possible to verify the accuracy of the information presented in the report, although recognizes that errors can occur. Some references have been included in the report and users may wish to verify critical information.

  
AUTHOR

  
DATE OF COMPLETION OF  
REPORT

## BIBLIOGRAPHY

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Martin, W. 1982. Industrial Minerals of the Algonquin Region, Bracebridge Area, Southern Ontario; Ontario Geological Survey , Map P:2563, scale 1:1,250,000.

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Wynne-Edwards, H.R. 1972. The Grenville Province, in Variations in Tectonic Styles in Canada; The Geological Association of Canada, 25<sup>th</sup> Anniversary Volume, Special Paper Number 11, p.263-334.

## **APPENDIX A**

### **APPLICATION TO RECORD STAKED MINING CLAIMS**

**Application to Record Staked Mining Claim(s)**

Mining Act, Subsection 44(1), R.S.O. 1990

Received Stamp  
 PROVINCIAL RECORDING OFFICE - SUDBURY  
**RECEIVED**  
 OCT 29 1998  
 A.M. P.M.  
 7 8 9 10 11 12 1 2 3 4 5 6

Information collected on this form is obtained under the authority of subsection 44(1) of the Mining Act. Under section 8 of the Mining Act, the information is a public record. This information will be used to correspond with the claim holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 833 Ramsey Lake Road, Sudbury, Ontario, P3E 8B6.

Name of Recording Licensee **DAVID GARY BELL** Transaction No.  
 Address: Street, City/Town/Village, Province, Postal Code  
**MURPHY MILL RD, PO. BOX 127** Work: **705-672-2282** Licence No. **C38394**  
**LATCHFORD, ONTARIO POJ-1N0** Telephone No. **705-676-2439** Client No. **106902**  
 Name and Address for Service in Ontario: (Required if Recording Licensee Resides Outside of Ontario)

Name of Recorded Holder: Percent Held Transaction No.  
 same as above or: Client No.  
 Address: Street, City/Town/Village, Province, Postal Code Telephone No.  
 Name and Address for Service in Ontario: (Required if Recorded Holder Resides Outside of Ontario)

Mining Division **Southern Ontario** Township(s) or Area(s) (Show Plan No.) **STRONG TOWNSHIP**

Group Claim Number	Tag Number	No. of 16 Ha Units in Claim	Description if Staking in Subdivided Township (Lot No., Concession No., Section of Lot)	Staking			Office Use	
				Post No.	Date	Time		
	1229500	2 1/2 3 1/2	LOT 15, CONCESSION I, STRONG TWP. DISTRICT OF PARRY SOUND	Commenced	1	OCT. 22/98	3:05 a.m. (p.m.)	
				Completed	4	OCT. 22/98	6:45 a.m. (p.m.)	
				Commenced			a.m. p.m.	
				Completed			a.m. p.m.	
				Commenced			a.m. p.m.	
				Completed			a.m. p.m.	
				Commenced			a.m. p.m.	
				Completed			a.m. p.m.	
				Commenced			a.m. p.m.	
				Completed			a.m. p.m.	

Office Use Only

# Example Sketch

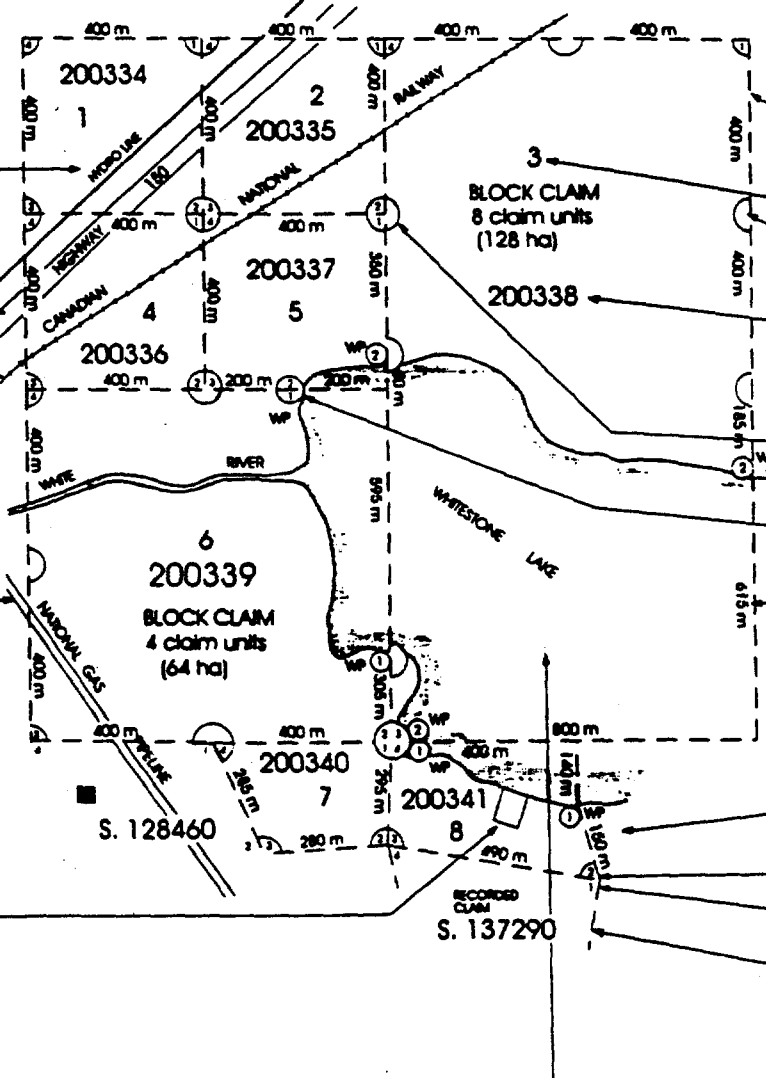
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Complete the group sketch on Part D using this as a guide. Where applicable, the items indicated below must be shown in the sketch.



Location of Claims	
Township/Area Name	→ Good Township
(Show lot and concession lines and numbers if township is subdivided)	

Developments	
SUCH AS:	
Hydro lines	→
Highways (and roads)	→
Railway lines	→
Pipeline	→
Summer cottages (or other buildings)	→



Claim Information	
SUCH AS:	
Claim line	→
Group claim number	→
Line post	→
Tag number if claim is pre-tagged	→
Common post	→
Witness post	→
Common witness post	→
Witness distance	→
Distance between posts	→
Corner post	→
Tie-on Post Found	→
Tie-ons to existing claims	→

Topographic Features	
Such as: Lakes, rivers, creeks, ponds, etc.	

NOTE

- In unusual circumstances please consult the mining recorder.
- The sketch may require an attachment.

Group claim Nos. 1, 2, 4, 5, 7 and 8 indicate claims staking individual claim units (16 ha)  
 Group claim No. 3 indicates a block claim staking 8 units (128 ha)  
 Group claim No. 6 indicates a block claim staking 4 units (64 ha)

Sketch

Please complete sketch in ink.

- Where applicable, the items indicated on the sample sketch on Part B must be shown.
- Group Sketch of claims listed on Part A. Sketch or plan of the mining claim(s) must show the corner posts, witness posts, and line posts, and the distances between the posts in metres.
- Include topographic features such as lakes, rivers, creeks, ponds, etc. and developments such as hydro lines, highways, railways, pipelines, buildings, etc. as shown on sketch in Part B.
- Refer to sample sketch on Part B.

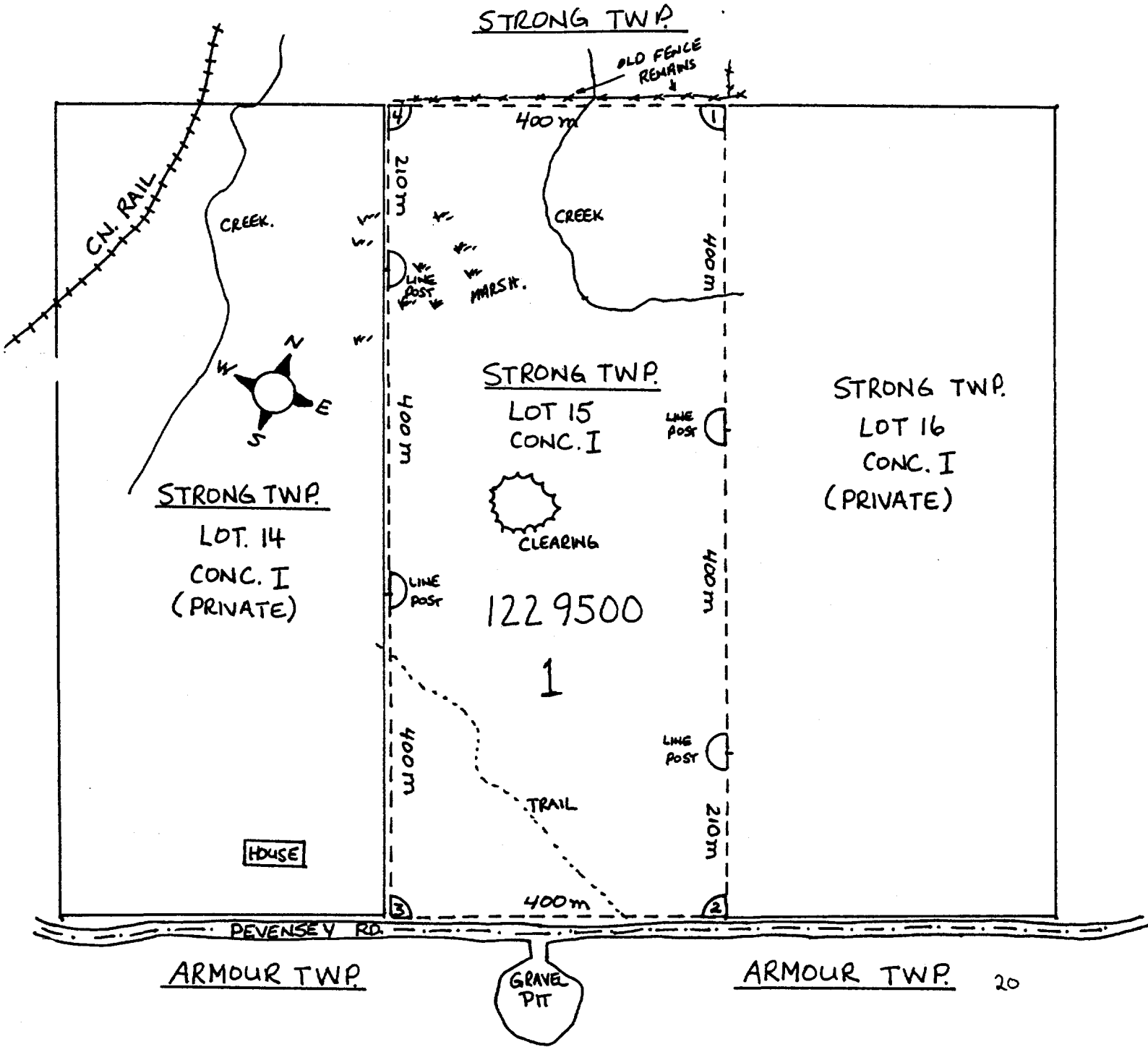
Magnetic Declination Used.  
(For current data, ask at the Recorder's Office.)

Scale 8° WEST.

SCALE RATIO.

1: 67

or 1cm = 67 metres.



## Certificate of Recording Licensee

Mining Act

I, the undersigned hereby certify that:

1. My prospector's licence is valid.
2. I staked out or caused to be staked out in accordance with the Mining Act and the regulations the mining claim(s) on the lands described and shown in my application and on the sketch or plan on Part D.
3. I was personally on the ground during the staking of the lands.
4. The distances given in my application and sketch or plan on Part D are as accurate as could reasonably be ascertained.
5. All other statements and particulars herein set forth in my application and shown on the sketch or plan on Part D are true and correct.
6. At the time of staking there was nothing upon the lands to indicate that they were not open to be staked and I believe they were so open.
7. The staking is valid and should be recorded.
8. There are upon the lands staked, no buildings, clearings or improvements for farming or other purposes except as follows and indicated on the sketch or plan on Part D.

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9. The names and licence numbers of all persons, if applicable, who assisted in the staking are listed below:

Name	Licence No.	Name	Licence No.

10.  I have staked without using tags. (NOTE: Tags are to be affixed as soon as possible after recording, but not later than six months after recording.)

or

I have staked using tags.

Signature of Recording Licensee 	Date Oct. 29/98
-------------------------------------	--------------------





Ministry of Northern Development and Mines

Transfer of Unpatented Mining Claim(s)

Mining Act

PROVINCIAL RECORDING OFFICE - SUDBURY	Transaction No.
<b>RECEIVED</b>	T9990.00002
A.M. 10:55	
7/8/99	1/2/3/4/5/6

Additional information collected on this form is obtained under the authority of section 59 of the Mining Act. Under section 8 of the Mining Act, this information is a public record. Questions about this collection should be addressed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

I, **DAVID GARY BELL** (client number **106902**) the recorded holder of **100** % interest, in consideration of **\$1.00** dollars or other valuable consideration paid to me, hereby transfer **100** % interest in (**1 (ONE)**) mining claim(s) numbered: **1229500**

(claim numbers must be listed separately; attach schedule if required)

in **STRONG TWP. LOT 15, CONC. 1, DISTRICT OF PARRY SOUND** to **MILLER PAVING LIMITED** as transferee (specify township or area)

Transferee's Address <b>505 MILLER AVENUE,</b>	Transferee's Telephone No.
<b>MARKHAM, ONTARIO L3R - 9R8</b>	( <b>905</b> ) <b>475 - 6660</b>
	Transferee's Client Number <b>304285</b>

Dated at **SMITH, BYCK & GRANT, NEW LISKEARD, ONTARIO** this **3<sup>RD</sup>** day of **MARCH** 1999 .

Signature of Witness <i>[Signature]</i>	Signature of Transferor <i>[Signature]</i>
---	--

- Note: 1. The transfer must not be dated and executed before the date of recording of the mining claim.  
 2. If the transferee is not a resident of Ontario, show here the name of the person who is a resident of Ontario upon whom service may be made.

Name	Telephone
Residence in Ontario	<b>RECORDED</b>
Mailing Address in Ontario	<b>Mar. 4/99</b>

Receipt **20484**

**Affidavit of Subscribing Witness**

I, **THEODORE R. BYCK**, of the **TOWN** of **HAILEYBURY, ONTARIO** in the **DISTRICT** of **TEMISKAMING** make oath and say (or affirm):

- I was personally present and did see the attached instrument signed and executed by **DAVID GARY BELL** one of the parties of the instrument.
- The attached instrument was executed at **SMITH, BYCK, & GRANT, NEW LISKEARD, ONTARIO, POJ-1K0**
- I know the above-mentioned party.
- I am a subscribing witness to the attached instrument.

Sworn (or affirmed) before me at **SMITH, BYCK, & GRANT** in the **TOWN** of **NEW LISKEARD, ONTARIO** this **3<sup>RD</sup>** Day of **MARCH** 1999 .

Signature of Witness <i>[Signature]</i>	Commissioner/Notary Public <i>[Signature]</i>
---	---

- Note: 1. The subscribing witness must be a person other than the transferee.  
 2. The commissioner or notary public must be a person other than the transferee.  
 3. The signature and affidavit of a subscribing witness is not required if the transferor is a corporation and the corporate seal is affixed over the signature of an officer of the corporation on the transfer document.

Lynn Marie Plouffe, Commissioner, etc., of Temiskaming, for Smith, Byck & Grant, Barristers and Solicitors. Expires May 14, 2001.

**APPENDIX B**

**CURRICULUM VITAE**

**GREG R. JONES**

86 Browning Ave.  
Toronto, Ontario  
M4K 1V9

Tel: (416) 778-5233  
xbones@sympatico.ca

**EDUCATION:**

University of Guelph, Guelph, Ontario, 1976 – 1980  
Bachelor of Science (B.Sc.), Honours Degree Earth Science

**EMPLOYMENT:**

**Private Equity Strategist and Geologist, June 19, 1997 – present**

- conduct independent research into various stock market strategies and listed securities
- implement research through market participation
- conduct geological investigations during the field season

**MINISTRY OF NATURAL RESOURCES**

**Aggregate Inspector, April 1992 – June 19, 1997**

- implement, administer and enforce the Aggregate Resources Act, regulations and related ministry policies and guidelines
- inspect licensed and wayside aggregate operations and investigate complaints
- initiate enforcement action including the laying of charges when necessary
- review and process new licence and permit applications; process licence amendments
- financial administration; audit reports and claims submitted by industry
- provide advisory services to municipalities, industry, consultants, media and the public
- supply expert testimony at Ontario Municipal Board Hearings and Provincial Court

**Aggregate Resource Planning Specialist, July 1991 – April 1992**

- apply geologic, land use and environmental criteria to assess the availability of potential aggregate deposits; undertake research projects for hearings on the Niagara Escarpment

**MINISTRY OF NORTHERN DEVELOPMENT AND MINES  
ONTARIO GEOLOGICAL SURVEY**

**Aggregate Resource Geologist, April 1981 – July 1991**

- conduct research and interpret aerial photographs to identify target areas for mineral aggregate exploration and evaluation
- hire junior staff; lead field parties; assess potential aggregate deposits in the field; conduct subsurface exploration programs
- analyze and evaluate field, laboratory and other geoscientific data to assess the economic potential of mineral aggregate deposits
- write reports; present lectures at geoscientific and industry conferences
- acting supervisor from August 1990; prepared and coordinated the production of reports

**REPORT WRITING**

author of over 20 geological publications

**AFFILIATIONS**

Prospectors & Developers Association  
of Canada

**COMPUTER SKILLS**

Wordperfect, Microsoft Office  
Excel, Word

**AWARDS**

Canadian Society of Petroleum  
Geologists Undergraduate Award

PUBLICATION LIST

AGGREGATE RESOURCE INVENTORY REPORTS (ARIP's)  
ONTARIO GEOLOGICAL SURVEY

ARIP No.	Publ.	Area
62	1994	South-West Oxford Township
64	1985	Town of Haldimand
66	1982	Norwich Township
67	1984	Dunnville Township
89	1983	Central Part of the City of Timmins
90	1983	Eastern Part of the City of Timmins
94	1984	Newcastle Township
96	1985	Cavan, North and South Monaghan Township
104	1985	Town of Grimsby, Lincoln and West Lincoln Township
112	1985	Derby Township
114	1991	Towns of Innisfil and Bradford
115	1985	Wainfleet Township
124	1985	Hemlo Area
140	1987	West of Sudbury Area
141	1988	Part of Haliburton County *
146	1989	Parry Sound to French River Area *
150	1990	Northwest of Fort Frances
151	1992	Anson and Hindon Townships
152	1992	Galloway and Cavendish Townships
153	1992	Laxton, Digby, Longford and Dalton Townships

AGGREGATE RESOURCE INVENTORY OPEN FILE REPORTS (OFR's)  
ONTARIO GEOLOGICAL SURVEY

OFR 5392	1982	Fonthill Kame *
OFR 5484	1983	Espanola Area
OFR 5562	1985	Hallam, McKinnon, Mongowin and Foster Townships *
OFR 5564	1986	Opapimiskan Lake Area
OFR 5590	1986	Massey Area *
OFR 5745	1991	Mishibishu Lake

OTHER PUBLICATIONS

Jones, G.R et al. 1990. Combating the Alkali-Reactive Aggregate Problem in the Sudbury Area – A Geological Approach. Proceedings Canadian Geotechnical Conference, Quebec City, Vol. 2, pp. 493 - 497

Vanderveer, D.G. and Jones, G.R. 1992. Aggregate Resources in the Greater Toronto Area – Innovative Approaches to Ensure an Adequate Supply.

\* publications with joint authorship

## **APPENDIX C**

### **ITINERARY OF WORK PERFORMED ON THE SITE**

APPENDIX C: ITINERARY OF WORK PERFORMED ON THE SITE

DATE	FIELD WORK PERFORMED
Oct. 16/00	<ul style="list-style-type: none"><li>- traversing and mapping along traverse lines A to A', B to B' and C to C'</li><li>- detailed mapping and sampling of outcrop area Str-1 to Str-4</li><li>- assistance was provided by Mr. Gary Bell of Miller Paving Limited</li></ul>
Oct. 17/00	<ul style="list-style-type: none"><li>- traversing and mapping along traverse lines D to D', E to E', F to F', G to G', H to H' and I to I'</li><li>- detailed mapping and sampling of outcrop areas Str-5 to Str-7</li></ul>

## **APPENDIX D**

### **TRAVERSE LINES AND OUTCROP ASSESSMENT**

GRID LINE # <u>A 6 A'</u>			
DATE <u>Oct 16 100</u>			
LOCATION: START OF GRID			
UTM: Easting <u>625850</u> Northing <u>6059970</u>			
DIRECTION OF GRID: <u>338°</u>			- East Claim boundary - cut line - West border
		<u>8 grid marks</u>	
FROM	TO	SITE #	DESCRIPTION
0	270		Flat lying to gently south dipping ice contact stratified drift - forest cover
270	334	Sfr-1,2,3	rock ridge, approx 8m high, biotite granite. Feldspar gneiss with occasional pegmatite dikes up to 1m wide
334	784m		Flat lying to rolling ice-contact stratified drift sand and gravel - forest cover
784m	802m		steep slope with abundant boulders - edge of Kettle depression - forest cover
802	914m		swamp - muskeg with little forest cover -
914	1080m		hummock ice-contact stratified drift - sand and gravel forest covered







GRID LINE # <u>060'</u>			
DATE <u>Oct 12 / 00</u>			
LOCATION: START OF GRID - <u>324m N of post # 2</u>			
UTM: Easting <u>625710</u> Northing <u>5060270</u>			
DIRECTION OF GRID: <u>248°</u>			
FROM	TO	SITE #	DESCRIPTION
0	37m		thinly drift covered bedrock - forest
37	38		bedrock outcrop - well foliated biotite quartz feldspar gneiss
28	100		flat lying ice contact stratified drift - at 100m hit gently sloping boulder <del>dr</del> ridge - forest covered
100	188		flat lying ice - contact material
	188	Str. 5	just north of line 3m large bedrock outcrop outcrop is 50m long parallel to the line and 19m wide outcrop is bare well topographically foliated biotite, feld gneiss
188	242		flat lying ice - contact stratified drift - forest cover
242	250		large boulders at surface
250	311		flat lying ice contact stratified drift with occasional erratics
311	400.		flat lying ice contact stratified drift









GRID LINE # <i>F to E'</i>			
DATE			
LOCATION: START OF GRID 200m west of Post #1			
UTM: Easting <u>6252700</u>		Northing <u>604820</u>	
DIRECTION OF GRID: <u>150°</u>			
FROM	TO	SITE # <small>From grid north</small>	DESCRIPTION
0	67		Flat lying ice contact material - probably sand as no boulders evident - at 67m at a 5m ridge (gently sloping) occurs just north of line of ice-contact stratified drift - forest covered
0	312a		- flat to gently sloping ice-contact stratified drift - clay sand - forest covered
312	473a		- clearing, hummocky ice contact sand - previously described in line F to F'
473	600a		- flat lying ice contact stratified drift - forest covered
600a	650		- flat lying boulder covered ice-contact stratified drift
650	667	Str-5	- outcrop - bare
667	800a		- flat lying to gently rolling ice-contact stratified drift forest covered - boulder covered at 700m
800	913		- flat lying to gently rolling ice-contact stratified drift - forest covered
913	925		- gravel pit
925	#1010		- ice-contact stratified drift - broad ridge forest covered





OUTCROP ASSESSMENT

DATE	SITE #	DISTANCE FROM BASE:	270m
Oct 16 /00	Str. - 1a	270m from post 2 338° N of post 2 claim boundary	
ROCK TYPES			
<u>gneiss</u>	shist	amphibolite	pegmatite
Constituents:	<u>Feldspar</u> <sup>1</sup> Muscovite Garnet Other: Hornblend	<u>Quartz</u> <sup>2</sup> Amphibole Beryl	<u>Biotite</u> <sup>3</sup> Tourmaline Sulphides
Description: <u>Biotite quartz-feldspar gneiss - approx. 10-20% mica (biotite) + hornblende occurring in 5 to 1cm bands</u>			
			Colour: grey
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike Other? meta-sedimentary
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs Quartz blebs
HARDNESS	<u>Hard</u> to <u>Moderate</u>	Varies from being brittle on weakened soft surfaces to competent with lower mica content	
CONSISTENCY			
	Massive	Zoned	Variable
	Foliation (strong, moderate, minor)	Strike 226°	Dip 56° to north
	Banding (strong, moderate, minor)	Strike	Dip
	Joints (abundant, occasional)	Strike	Dip
CONTACTS - Pegmatite Dikes cross-cut the foliation of the gneiss - For description			
	Gradational	Abrupt	Inclusions Other: see Str. - 1b
Wall Rock Type: _____			
Width of Alteration: _____			
Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet
Description of Alteration: _____			
OUTCROP DESCRIPTION			
	Flat	<u>Ridge</u>	Cliff
Height:	8m at Eastern limit of claim to 1m at western limit of outcrop		
Dimensions:	124m trending 240° from east boundary of claim width - 59m along cut line at East boundary to 6m at west limit of outcrop		
REMARKS			
<u>The gneiss is exposed in 5 to 8 foot high ridge exposure in the 25 foot high ridge along the eastern claim line.</u>			

OUTCROP ASSESSMENT

DATE	Oct 16 100	SITE #	Str. - 16	DISTANCE FROM BASE:	260m from post 2 338° N of post 2 along claim border
ROCK TYPES					
gneiss	shist	amphibolite	pegmatite		
Constituents:	Feldspar Muscovite Garnet Other	Quartz Amphibole Beryl	Biotite - trace Tourmaline Sulphides		
Description: massive, potassic, coarse grained quartz feldspar pegmatite dikes Colour: white to pink					
Origin:	Metavolcanic	Granitic Intrusive	Sill(Dike)	Other	
TEXTURE:	Fine Sugary Feel	Medium Greasy Feel	Coarse Grained Vugs	Quartz blebs	
HARDNESS	Hard	Moderate	Soft		
CONSISTENCY	Massive	Zoned	Variable		
	Foliation (strong, moderate, minor)	Strike	Dip		
	Banding (strong, moderate, minor)	Strike	Dip		
	Joints (abundant, occasional)	Strike	Dip		
CONTACTS	Gradational	Abrupt	Inclusions	Other:	
Wall Rock Type: gneiss - see Str. - 1a					
Width of Alteration: X					
Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet		
Description of Alteration:					
OUTCROP DESCRIPTION	Flat	Ridge	Cliff		
Height: 8m					
Dimensions: 124m long trending 240° from east boundary of claim width - 5.9m along East boundary to 6m at western limit					
REMARKS	pegmatite is most abundant on south slope of ridge where dikes varying from .5 foot to 3 feet in width cross-cut the gneiss with distances of 5 to 9 feet between the dikes				

OUTCROP ASSESSMENT

DATE	Oct 16/00	SITE #	Str. 2	DISTANCE FROM BASE:	326m from post # 2 in 332°N direction along claim line
ROCK TYPES					
<u>gneiss</u>	shist	amphibolite	pegmatite		
Constituents:	<u>Feldspar</u> Muscovite Garnet Other: Hornblende	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> Tourmaline Sulphides		
Description: weakly foliated biotite-quartz-feldspar gneiss containing 20-40% biotite + hornblende					
Colour: grey					
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike	Other	
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs	Quartz blebs	
HARDNESS	<u>Hard</u>	Moderate	Soft	- consistent rock related to lack of foliation and brittleness	
CONSISTENCY					
	Massive	Zoned	Variable		
	Foliation (strong, moderate, <u>minor</u> )	Strike	Dip		
	Banding (strong, moderate, minor)	Strike	Dip		
	Joints (abundant, occasional)	Strike	Dip		
CONTACTS					
	none observed	Gradational	Abrupt	Inclusions	Other:
Wall Rock Type: _____					
Width of Alteration: _____					
Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet		
Description of Alteration: _____					
OUTCROP DESCRIPTION					
	Flat	<u>Ridge</u>	Cliff		
	Height: 2m				
	Dimensions: 124m trending 290° from east boundary of claim width - 59m along cut line at East boundary to 6m at west limit				
REMARKS					
northern most exposure along north slope of outcrop ridge					

OUTCROP ASSESSMENT

DATE	Oct 16 / 00	SITE #	Str. - 3			DISTANCE FROM BASE:	37m from top of outcrop ridge on East boundary of Clin in a 240° direction	
ROCK TYPES	<u>gneiss</u>	shist	amphibolite	pegmatite				
Constituents:	<u>Feldspar</u> 1 Muscovite Garnet Other: hornblend 4	<u>Quartz</u> 2 Amphibole Beryl	<u>Biotite</u> 3 Tourmaline Sulphides					
Description:	Biotite quartz Feldspar gneiss with 10-20% ferromagnesian minerals							Colour: grey
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike	Other				
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs	Quartz blebs				
HARDNESS	<u>Hard</u> - to - <u>Moderate</u>		Varies from hard and compact to brittle Soft					
CONSISTENCY	Massive	Zoned	Variable					
	Foliation ( <u>strong</u> , moderate, minor)	Strike 244°	Dip 60° to north					
	Banding (strong, moderate, minor)	Strike	Dip					
	Joints (abundant, <u>occasional</u> )	Strike 228°	Dip 72° S					
CONTACTS	none observed	Gradational	Abrupt	Inclusions	Other:			
	Wall Rock Type: _____							
	Width of Alteration: _____							
Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet					
Description of Alteration: _____								
OUTCROP DESCRIPTION	Flat <sup>small</sup> <u>Ridge</u> 4' high - 16m wide Cliff							
Height:	1.2m							
Dimensions:	part of 124m large outcrop approximately 37m west of Clin boundary							
REMARKS	The gneiss varies over short distances from being compact with little foliation to very brittle with abundant foliation + mics. One minor 10-20cm wide pegmatite dikes observed							

OUTCROP ASSESSMENT

DATE	SITE #	DISTANCE FROM BASE:	
Oct 16 / 00	Str. - 4	120m from top of outcrop ridge on East border of Clin in a 240° direction	
ROCK TYPES			
<u>gneiss</u>	shist	amphibolite	pegmatite
Constituents:	<u>Feldspar</u> Muscovite Garnet Other: hornblende	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> Tourmaline Sulphides
Description: <u>Biotite quartz-feldspar gneiss with 20 to 20% Broomage silica</u> <u>minerals</u>			
			Colour: <u>grey - black streaks</u>
Origin: Metavolcanic      Granitic Intrusive      Sill/Dike      Other			
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs      Quartz blebs
HARDNESS			
<u>Hard</u>		Moderate	Soft <i>relatively hard and competent gneiss</i>
CONSISTENCY			
Massive		Zoned	Variable
<u>Foliation</u> (strong)		moderate, minor)	Strike 233°      Dip —
Banding (strong, moderate, minor)			Strike      Dip
<u>Joints</u> (abundant, <u>occasional</u> )			Strike 310°      Dip 80° E
CONTACTS			
<u>none observed</u>			
Gradational		Abrupt	Inclusions      Other:
Wall Rock Type: _____			
Width of Alteration: _____			
Enriched in:		Biotite Tourmaline	Muscovite Sulphides      Garnet
Description of Alteration: _____			
OUTCROP DESCRIPTION			
<u>Flat</u>		Ridge	Cliff
Height: <u>0.6m</u>			
Dimensions: <u>part of 134m ridge trending at 240° from east border</u> <u>width in area of sample is 6m</u>			
REMARKS			
<u>West end of large outcrop area</u>			

OUTCROP ASSESSMENT

DATE	Oct 17 / 00	SITE #	Str - 5a	DISTANCE FROM BASE: 188m along line L14 of 248° from N bound outcrop ridge Str. - 2
ROCK TYPES				
<u>gneiss</u>	shist	amphibolite	pegmatite	
Constituents:	<u>Feldspar</u> Muscovite Garnet Other: hornblende	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> Tourmaline Sulphides	
Description:	<p><sup>well foliated</sup> Biotite quartz - feldspar gneiss with ~20 to 30% ferro-magnesian minerals on north 1/2 outcrop ⇒ south 1/2 of outcrop consists of similar gneiss with 3 to 10% ferro-magnesian minerals and more competent rocks <span style="float:right">Colour:</span></p> <p><sup>poorly foliated</sup></p>			
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike	Other
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs	Quartz blebs
HARDNESS	<u>Hard</u>	<u>Moderate</u>	Soft	<i>Varies from brittle on weathered surface to competent on 1/2 of outcrop in poorly foliated zone</i>
CONSISTENCY	Massive	Zoned	Variable	
	Foliation <u>strong</u> , <u>moderate</u> , <u>minor</u>	Strike 210°	Dip —	
	Banding (strong, moderate, minor)	Strike	Dip	
	Joints (abundant, occasional)	Strike	Dip	
CONTACTS	<i>none observed</i>	Gradational	Abrupt	Inclusions Other:
	Wall Rock Type: _____			
	Width of Alteration: _____			
Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet	
Description of Alteration: _____				
OUTCROP DESCRIPTION	<u>Flat</u>	Ridge	Cliff	
	Height: 1m			
	Dimensions: 50m at 248° by 19m			
REMARKS	<p>Several small granitic bands that were mostly parallel to the foliation, but also cut it at angles were observed in the well foliated gneiss in the N 1/2 of the outcrop</p>			

OUTCROP ASSESSMENT

DATE	SITE #	DISTANCE FROM BASE:	
Oct 17 / 00	Str - 56	163 m from East boundary along line 5	
ROCK TYPES			
<u>gneiss</u>	shist	amphibolite	pegmatite
Constituents:	<u>Feldspar</u> Muscovite <u>Garnet</u> minor Other: hornblend	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> Tourmaline Sulphides
Description: well foliated biotite quartz feldspar gneiss with minor garnet and hornblend, approx. 10% ferruginous minerals			
Colour: grey			
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike Other
TEXTURE:	Fine Sugary Feel	<u>Medium</u> Greasy Feel	Coarse Grained Vugs Quartz blebs
HARDNESS	<u>Hard</u>	Moderate	Soft Competent
CONSISTENCY			
	Massive	Zoned	Variable
	Foliation ( <u>strong</u> , moderate, minor)	Strike	Dip
	Banding (strong, moderate, minor)	Strike	Dip
	Joints (abundant, occasional)	Strike	Dip
CONTACTS	non observed		
	Gradational	Abrupt	Inclusions Other:
	Wall Rock Type: _____		
	Width of Alteration: _____		
	Enriched in:	Biotite Tourmaline	Muscovite Sulphides Garnet
	Description of Alteration: _____		
OUTCROP DESCRIPTION			
	<u>Flat</u>	Ridge	Cliff
	Height: 1m		
	Dimensions: forms NE extension of outcrop at 5g		
REMARKS			



OUTCROP ASSESSMENT

DATE	Oct 17 / 00	SITE #	Str - 6	DISTANCE FROM BASE:	200m from East border along line 8
ROCK TYPES					
	<u>gneiss</u>	shist	amphibolite	pegmatite	
Constituents:	<u>Feldspar</u> Muscovite <u>Garnet</u> minor Other:	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> Tourmaline Sulphides		
Description:	brown biotite quartz feldspar gneiss with minor small red garnets and plagioclase (other up to 1cm in size)				Colour: brown
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike	Other	
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs	Quartz blebs	
HARDNESS	<u>Hard</u> to	<u>Moderate</u>	Soft	brittle on weathered surfaces	
CONSISTENCY					
	Massive	Zoned	Variable		
	Foliation ( <u>strong</u> , moderate, minor)	Strike	Dip		
	Banding (strong, moderate, minor)	Strike	Dip		
	<u>Joints</u> (abundant, occasional)	Strike 25°	Dip 60° E		
CONTACTS					
	none observed				
	Gradational	Abrupt	Inclusions	Other:	
	Wall Rock Type: _____				
	Width of Alteration: _____				
	Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet	
	Description of Alteration: _____				
OUTCROP DESCRIPTION					
	Flat	<u>Ridge</u>	Cliff		
	Height: 1m				
	Dimensions: 3 x 1.5m				
REMARKS					
Exposure could be outcrop or partially buried large erratic. Further investigation such as backhoe work would have to be undertaken to determine whether it is outcrop or large float material.					

OUTCROP ASSESSMENT

DATE	SITE #	DISTANCE FROM BASE:	
Oct 17 120	Sfr-7a	125m from road at 338° strike 12m west of fault pit entrance	
ROCK TYPES			
<u>gneiss</u>	shist	amphibolite	pegmatite
Constituents:	<u>Feldspar</u> Muscovite Garnet Other:	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> Tourmaline Sulphides
Description: <u>well foliated biotite quartz felsic gneiss with ≈ 25% ferromagnesian minerals which form 35% of rock outcrop</u> Colour: <u>grey</u>			
Origin: Metavolcanic      Granitic Intrusive      Sill/Dike      Other			
TEXTURE:	Fine <u>Sugary Feel</u>	<u>Medium</u> Greasy Feel	Coarse Grained Vugs      Quartz blebs
HARDNESS			
<u>Hard</u> Moderate      Soft <u>competent</u>			
CONSISTENCY			
Massive      Zoned      Variable			
<u>Foliation</u> (strong, moderate, minor)      Strike 248°      Dip <u>vert</u>			
Banding (strong, moderate, minor)      Strike      Dip			
Joints (abundant, occasional)      Strike      Dip			
CONTACTS	one 6" thick pegmatite dike trending 335° → occasional 1" thick felsic dikes trending 294°		
Gradational      Abrupt      Inclusions      Other:			
Wall Rock Type: _____			
Width of Alteration: _____			
Enriched in:      Biotite      Muscovite      Garnet Tourmaline      Sulphides			
Description of Alteration: _____			
OUTCROP DESCRIPTION			
Flat <u>Ridge</u> <sup>gently sloping</sup> Cliff			
Height: <u>1-1.5m</u>			
Dimensions: <u>31m x 15m</u>			
REMARKS			

OUTCROP ASSESSMENT

DATE <u>Oct 17/00</u>		SITE # <u>Str. - 76</u>		DISTANCE FROM BASE: <u>125m from road at 338° starting 12m west of pit entrance on property to south</u>	
ROCK TYPES					
<u>gneiss</u>	shist	amphibolite	pegmatite		
Constituents:	<u>Feldspar</u> Muscovite Garnet Other:	<u>Quartz</u> Amphibole Beryl	<u>Biotite</u> 2% Tourmaline Sulphides		
Description: <u>mainly foliated quartz feldspar gneiss with minor biotite which forms approximately 25% of outcrop - 1.0m exposure in central portion of outcrop - 2% hornblende in matrix</u> Colour: <u>rose (pk. Kish grey)</u>					
Origin:	Metavolcanic	Granitic Intrusive	Sill/Dike	Other	
TEXTURE:	<u>Fine</u> <u>Sugary Feel</u>	Medium Greasy Feel	Coarse Grained Vugs	Quartz blebs	
HARDNESS					
	<u>Hard</u>	Moderate	Soft		
CONSISTENCY					
	Massive	Zoned	Variable		
	Foliation (strong, moderate, <u>minor</u> )		Strike	Dip	
	Banding (strong, moderate, minor)		Strike	Dip	
	Joints (abundant, occasional)		Strike	Dip	
CONTACTS					
	Gradational	Abrupt	Inclusions	Other:	
	Wall Rock Type: _____				
	Width of Alteration: _____				
Enriched in:	Biotite Tourmaline	Muscovite Sulphides	Garnet		
Description of Alteration: _____					
OUTCROP DESCRIPTION					
	Flat	<u>Ridge</u> <sup>south sloping</sup>	Cliff		
	Height: <u>1-1.5</u>				
	Dimensions: <u>31m x 15m</u>				
REMARKS					

**APPENDIX E**

**COMPLETE ASSAY RESULTS**



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: JONES, GREG

86 BROWNING AVE.  
 TORONTO, ON  
 M4K 1V9

Project: MILLER PAVINS  
 Comments: ATTN: GREG JONES

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 03-NOV-2000  
 Invoice No. : I0031957  
 P.O. Number :  
 Account : PST

## CERTIFICATE OF ANALYSIS

A0031957

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N680442 Str-1a	205 226	< 5	< 0.2	0.70	< 2	< 10	70	< 0.5	< 2	0.20	< 0.5	4	104	23	1.28	< 10	< 1	0.29	30	0.37
N680443 Str-1b	205 226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
N680444 Str-2	205 226	-----	< 0.2	2.44	< 2	< 10	400	0.5	< 2	0.62	< 0.5	19	54	24	4.81	10	< 1	1.81	60	1.44
N680445 Str-3	205 226	-----	< 0.2	1.53	< 2	< 10	70	0.5	< 2	1.01	< 0.5	13	103	12	2.54	< 10	< 1	0.50	10	1.14
N680446 Str-4	205 226	-----	< 0.2	1.56	< 2	< 10	110	1.5	< 2	1.04	< 0.5	14	79	103	2.51	< 10	< 1	0.77	30	1.25
N680447 Str-5a	205 226	< 5	< 0.2	1.30	< 2	< 10	90	1.0	< 2	0.76	< 0.5	10	94	97	2.03	< 10	< 1	0.61	20	0.89
N680448 Str-5b	205 226	-----	< 0.2	1.28	< 2	< 10	140	0.5	< 2	0.63	< 0.5	11	84	18	2.46	< 10	< 1	0.84	10	0.92
N680449 Str-6	205 226	-----	< 0.2	1.48	< 2	< 10	320	< 0.5	< 2	0.44	< 0.5	8	131	20	3.22	< 10	< 1	1.10	< 10	0.48
N680450 Str-7a	205 226	< 5	< 0.2	1.48	< 2	< 10	100	0.5	< 2	0.81	< 0.5	13	94	14	2.44	< 10	< 1	0.89	20	1.22
N680451 Str-7b	205 226	-----	< 0.2	0.23	< 2	< 10	10	< 0.5	< 2	0.04	< 0.5	2	115	25	0.91	< 10	< 1	0.17	< 10	0.02

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: JONES, GREG \*\*

86 BROWNING AVE.  
 TORONTO, ON  
 M4K 1V9

Project: MILLER PAVINS  
 Comments: ATTN: GREG JONES

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 03-NOV-2000  
 Invoice No. : I0031957  
 P.O. Number :  
 Account : PST

## CERTIFICATE OF ANALYSIS

A0031957

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Al %	Sb ppm	Ba ppm
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	(ICP)	(ICP)	(ICP)
N680442 Str-1a	205	226	205	< 1	0.04	25	220	2	0.02	< 2	3	17	0.12	10	< 10	15	< 10	30	-----	-----	-----
N680443 Str-1b	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8.66	0.1	300
N680444 Str-2	205	226	670	< 1	0.12	31	890	8	0.02	< 2	9	34	0.43	10	< 10	123	< 10	118	-----	-----	-----
N680445 Str-3	205	226	440	< 1	0.16	26	850	2	0.01	< 2	6	36	0.21	< 10	< 10	67	< 10	54	-----	-----	-----
N680446 Str-4	205	226	415	< 1	0.16	33	940	4	0.01	< 2	6	26	0.26	< 10	< 10	73	< 10	52	-----	-----	-----
N680447 Str-5a	205	226	465	< 1	0.14	25	600	4	0.01	< 2	6	23	0.19	< 10	< 10	51	< 10	48	-----	-----	-----
N680448 Str-5b	205	226	330	< 1	0.12	32	780	4	0.02	< 2	5	18	0.26	< 10	< 10	61	< 10	60	-----	-----	-----
N680449 Str-6	205	226	295	2	0.09	58	1440	12	0.05	< 2	6	11	0.33	< 10	< 10	30	< 10	130	-----	-----	-----
N680450 Str-7a	205	226	425	< 1	0.13	25	730	2	< 0.01	< 2	6	28	0.22	< 10	< 10	67	< 10	54	-----	-----	-----
N680451 Str-7b	205	226	85	< 1	0.05	38	40	< 2	0.03	< 2	< 1	4	< 0.01	< 10	< 10	1	< 10	20	-----	-----	-----

CERTIFICATION: \_\_\_\_\_



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: JONES, GREG \*\*

86 BROWNING AVE.  
 TORONTO, ON  
 M4K 1V9

Project: MILLER PAVINS  
 Comments: ATTN: GREG JONES

Page Number : 1-C  
 Total Pages : 1  
 Certificate Date: 03-NOV-2000  
 Invoice No. : I0031957  
 P.O. Number :  
 Account : PST

## CERTIFICATE OF ANALYSIS

A0031957

SAMPLE	PREP		Be ppm	Bi ppm	Cd ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	
	CODE		(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	
N680442	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680443 <i>str-16</i>	205	226	4.85	0.29	0.02	0.64	15.75	0.65	127	4.6	61	24.2	0.9	4.81	9.0	9.5	8.0	0.20	280	0.4	33.6	
N680444	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680445	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680446	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680447	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680448	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680449	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680450	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680451	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: JONES, GREG

86 BROWNING AVE.  
 TORONTO, ON  
 M4K 1V9

Project: MILLER PAVINS  
 Comments: ATTN: GREG JONES

Page Number: 1-D  
 Total Pages: 1  
 Certificate Date: 03-NOV-2000  
 Invoice No.: I0031957  
 P.O. Number:  
 Account: PST

## CERTIFICATE OF ANALYSIS

A0031957

SAMPLE	PREP		Nb ppm	P ppm	K %	Rb ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Te ppm	Tl ppm	Th ppm	Ti %	W ppm	U ppm	V ppm	Y ppm	Zn ppm
	CODE		(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
N680442	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680443 str-16	205	226	6.8	< 10	1.93	104.0	0.15	4.73	313	0.40	0.05	0.54	3.8	0.13	0.3	1.6	50	3.4	58
N680444	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680445	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680446	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680447	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680448	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680449	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680450	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N680451	205	226	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

CERTIFICATION: \_\_\_\_\_





# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 5175 Timberlea Blvd., Mississauga  
 Ontario, Canada L4W 2S3  
 PHONE: 905-624-2806 FAX: 905-624-6163

To: JONES, GREG \*\*

86 BROWNING AVE.  
 TORONTO, ON  
 M4K 1V9

Project: MILLER PAVINS  
 Comments: ATTN: GREG JONES

Page number :1  
 Total Pages :1  
 Certificate Date: 27-OCT-2000  
 Invoice No. : I0031959  
 P.O. Number :  
 Account : PST

## CERTIFICATE OF ANALYSIS

### A0031959

SAMPLE	PREP CODE	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %
N680445 Str-3	299 --	15.48	4.57	< 0.01	6.12	3.46	2.89	0.11	3.37	0.21	60.77	0.67	1.01	98.66
N680447 Str-5a	299 --	15.43	3.84	< 0.01	4.84	3.94	2.29	0.12	3.33	0.15	63.76	0.50	0.66	98.86
N680450 Str-7a	299 --	15.56	4.35	< 0.01	5.70	3.37	2.99	0.11	3.27	0.17	62.42	0.61	0.70	99.25

CERTIFICATION: \_\_\_\_\_

45



Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)

W0090.00082

Assessment Files Research Imaging



31E11NW2001 2.20673 STRONG 900

Subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this report work and correspond with the mining land holder. Questions about this collection permit and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

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

2.20673

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

Name	Miller Paving Limited	Client Number	304285
Address	505 Miller Ave., Markham, Ontario, L3R 9R8	Telephone Number	905-475-6660
		Fax Number	905-475-3852
Name		Client Number	
Address		Telephone Number	
		Fax Number	

**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

Work Type	Geological Survey, Surveying and Associated Line Cutting	Office Use
		Commodity
		Total \$ Value of Work Claimed 12,168
Dates Work Performed From 14 Day 09 Month 2000 Year To 25 Day 10 Month 2000 Year		NTS Reference
Global Positioning System Data (if available)	Township/Area Strong Township	Mining Division Southern Ont.
	M or G-Plan Number G-4314	Resident Geologist District Sudbury

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)**

Name	Greg R. Jones	Telephone Number	416-778-5233
Address	86 Browning Ave., Ontario, M4K 1V9	Fax Number	416-406-6141
Name		Telephone Number	
Address		Fax Number	
Name		Telephone Number	
Address		Fax Number	

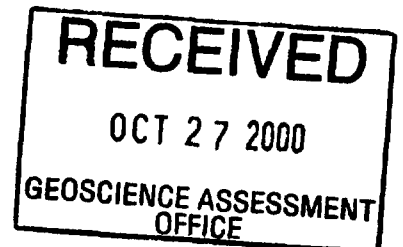
**4. Certification by Recorded Holder or Agent**

I, THOMAS M. JONES (Print Name), 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.

Signature of Recorded Holder or Agent	<i>Thomas M. Jones</i>	Date	26/10/2000
Agent's Address	505 MILLER AVENUE, MARKHAM	Telephone Number	905-475-6660
		Fax Number	905-475-3852

0241 (03/97)



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.

Revised

20673

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 hectare.	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	1 ha	\$26,828	N/A	\$24,000	\$2,828
eg 1234567	1	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 12,295.00		12,142.16	7,200	0	4,948.16
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals					

I, THOMAS M. JONES (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 8/98 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder/Agent/Authorizer in Writing: [Signature] Date: OCT. 26, 2000

6. Instruction 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.

For Office Use Only

Received Stamp

Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

**RECEIVED**  
OCT 27 2000  
GEOSCIENCE ASSESSMENT  
OFFICE \*\*\* TOTAL PAGE. 03 \*\*\*

OCT 27 '00 12:16

905 475 7160

PAGE. 03

Received Stamp

Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

**RECEIVED**  
OCT 27 2000  
GEOSCIENCE ASSESSMENT  
OFFICE

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 Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Information about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.20673

Work Type	Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Geological Survey	See attached expense sheet and invoice	1	3349.16
Assistance with Geological Survey	Gary Bell of Miller Paving Limited assisted with the field work for the survey for 1 day on Oct. 17/00	1	200.00
Costs associated with line cutting/surveying	As discussed with Ministry Staff, costs associated with line clearing for 3 Km - see attached invoice	1	8490.00
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
<b>Transportation Costs</b>			
Mileage for Gary Bell, New Liskeard to site and return	430 km	\$ .30	129.00
<b>Food and Lodging Costs</b>			
<b>Total Value of Assessment Work</b>			12,168.16

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. If this situation applies to your claims, use the calculation below:

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

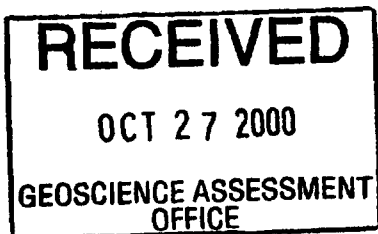
Note:

- 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. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, THOMAS M. JONES, 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 PROPERTY COORDINATOR MANABAZI am authorized to make this certification.  
(recorded holder, agent, or state company position with signing authority)



Signature: [Signature] Date: 26/10/2000

February 19, 2001

Thomas M. Jones  
MILLER PAVING LIMITED  
505 MILLER AVE.,  
MARKHAM, ONTARIO  
L3R-9R8

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

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

Dear Sir or Madam:

**Submission Number: 2.20673**

**Status**

**Subject: Transaction Number(s):** W0090.00082 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 JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY  
Lucille Jerome  
Acting Supervisor, Geoscience Assessment Office  
Mining Lands Section

# Work Report Assessment Results

---

**Submission Number:** 2.20673

**Date Correspondence Sent:** February 19, 2001

**Assessor:** JIM MCAULEY

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W0090.00082	1229500	STRONG	Approval After Notice	February 16, 2001

**Section:**

12 Geological GEOL

The 45 days outlined in the Notice dated January 02, 2001 have passed and no new information has been provided.

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

The assessment credit is being reduced by \$5,470. The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is \$6,698.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

**Correspondence to:**

Resident Geologist  
Sudbury, ON

Assessment Files Library  
Sudbury, ON

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

Thomas M. Jones  
MILLER PAVING LIMITED  
MARKHAM, ONTARIO

---

# Distribution of Assessment Work Credit

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

**Date:** February 19, 2001

**Submission Number:** 2.20673

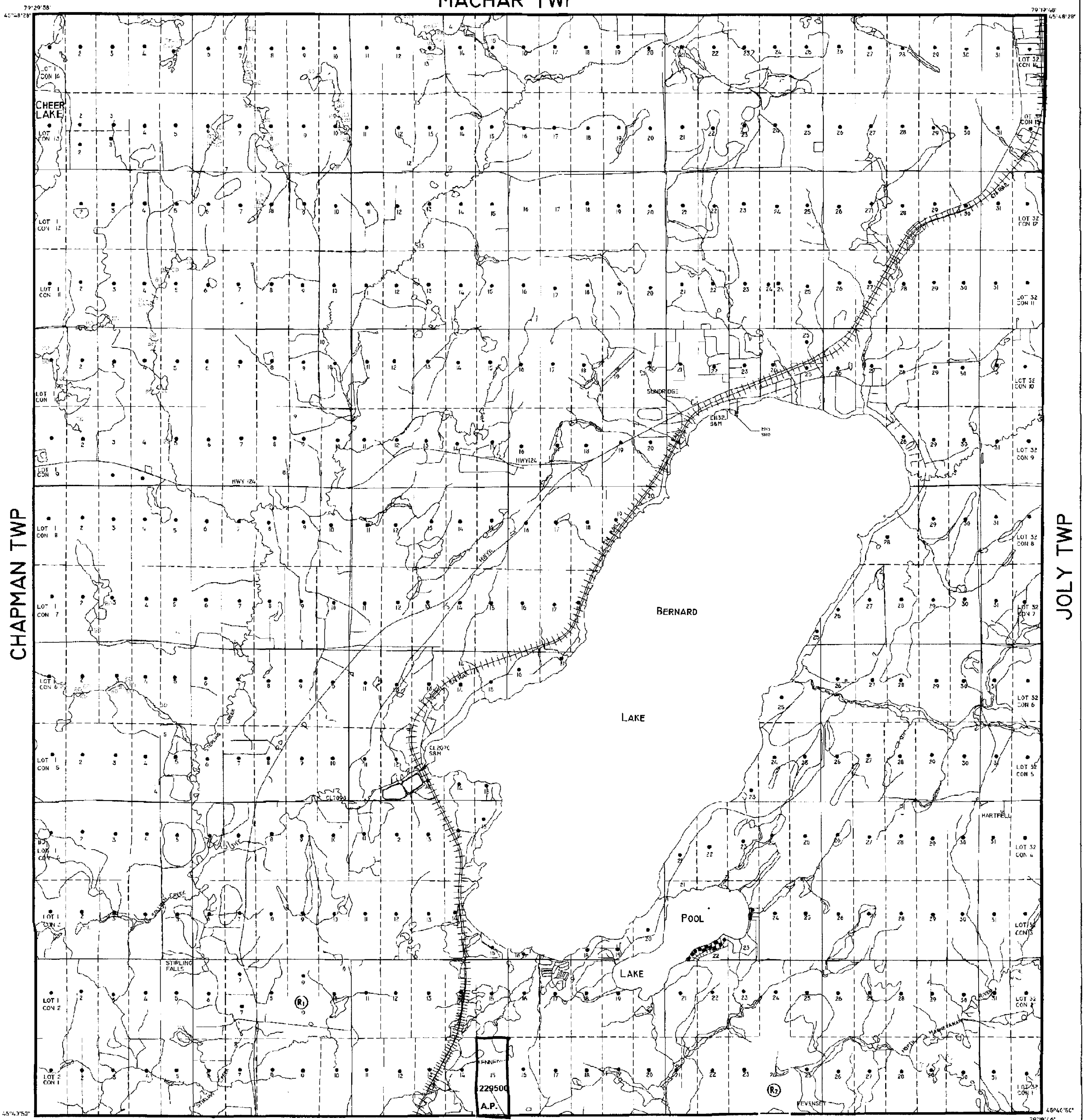
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**Transaction Number:** W0090.00082

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1229500	6,698.00
<b>Total: \$</b>	<b>6,698.00</b>

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MACHAR TWP

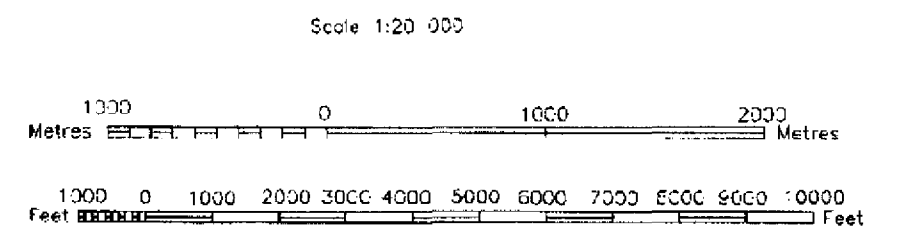


ARMOUR TWP

2.20673 Geol.

INDEX TO LAND DISPOSITION

PLAN G - 4314  
 TOWNSHIP STRONG  
 M.N.R. ADMINISTRATIVE DISTRICT PARRY SOUND  
 MINING DIVISION SOUTHERN ONTARIO  
 LAND TITLES/REG STRY DIVISION PARRY SOUND



SYMBOLS

Boundary	
Administrative District	—
Township, Meridian, Baseline	—
Road allowance, surveyed	—
shoreline	—
Lot/Concession, surveyed	—
unsurveyed	—
Parcel, surveyed	—
unsurveyed	—
Right-of-way: road	—
railway	—
utility	—
Reservation	—
Chff, Pit, Pile	—
Contour	—
Interpolated	—
Approximate	—
Depression	—
Control point (horizontal)	—
Flooded land	—
Mine shaft	—
Pipeline (above ground)	—
Railway: single track	—
double track	—
abandoned	—
River/Stream/Creek	—
intermittent	—
Road: highway, county, township	—
access	—
trac, bush	—
Shoreline (original)	—
Transmission line	—
Wardnet area	—
Survey number	—

AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Elevation	File
MRO - Mining Rights Only				
SRO - Surface Rights Only				
MFS - Mining and Surface Rights				
Section 35 Order No. W-SO-600 M.R.O. 20000229	196160			
Section 35 Order No. W-SO-700 M.R.O. 20000229	196160			

DISPOSITION OF CROWN LANDS

Patent	
Surface & Mining Rights	●
Surface Rights Only	○
Mining Rights Only	◐
Lease	
Surface & Mining Rights	■
Surface Rights Only	□
Mining Rights Only	◼
License of Occupation	▼
Order-in-Council	OC
Concession	⊙
Reservation	⊕
Sand & Gravel	⊖
Land Use permit	◇

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.



MINISTRY OF NORTHERN DEVELOPMENT AND MINES

