

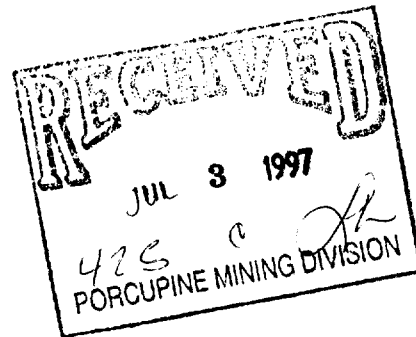


**STARCORE RESOURCES LTD.**

**CARSCALLEN PROPERTY**

**REPORT ON A  
PROPERTY EXAMINATION  
FOR STARCORE RESOURCES LTD.**

**CARSCALLEN TOWNSHIP,  
PORCUPINE MINING DIVISION,  
NORTHEASTERN ONTARIO  
NTS 42 A/5**



**Val d'Or, Quebec,  
November 25th, 1996,**

**Robert J. Tremblay  
Geologist H.B.Sc.**

**FOREWORD**

This report covers the results of a search of assessment files covering Starcore Resources' Carsallen Property and its immediate surroundings. This compilation was followed by a field follow-up program aimed at verifying the existence and position of a number of gold occurrences on the property.

This field investigation and compilation of assessment files was preceded by a first field investigation completed by the author in August of 1996, the report of which has been incorporated in appendix.

2007 11

## SUMMARY

The recent assessment file research and subsequent field investigation was successful in locating three previously unlocated gold showings, as well as confirming the location, off the property, of another gold occurrence. Moreover, the gold-bearing nature of the shear-hosted veining and sulphides was confirmed with assays ranging up to 10.12 g/T (0.295 oz/t) Au in a limited amount of grab sampling.

It can be concluded that gold mineralization occurring on the Carrscallen Property is much more extensive than was expected and that the attractiveness of the property has improved with each of the recent programs.

Gold mineralization has thus far been associated with various structural regimes, including north-south, northeast-southwest and east-west faults. The third, which is not well known on the Carrscallen Property, is host to extensive gold-bearing quartz veins only 800 metres to the south.

It is clear that the Carrscallen property has not recently been subjected to a systematic and detailed evaluation. Considering the positive results of the recent and brief field investigations, a follow-up program consisting of geophysics followed by stripping and trenching is recommended on the property.

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2.17771

## 1. INTRODUCTION

This report will serve as follow-up to a first field investigation completed by the author last summer, the report of which has been incorporated in Appendix III. The summer field investigation was aimed at following up on the information contained in an evaluation report by I. Campbell dated April 30th, 1996. The information dealing with the claim status and ownership, the physiography, general history, regional geology, property geology and mineralization is covered with some detail in this report and will not be repeated in the present report. On the other hand, with the exception of the "1010 vein" and the "Jowsey vein" (which appears to lie off the property), Campbell's report does not accurately depict the mineral showings on the property. The present report should correct this situation.

At the request of Mr. Ralph Brown, President of Starcore Resources Ltd., a day was spent at the Ministry of Natural Resources Mine office in Timmins, Ontario, reviewing all available assessment files covering the Carscallen property and the immediate surroundings. This review was followed by a day of field work aimed at locating previously unreported gold showings and confirming the location of other gold occurrences on and off the Carscallen Property. Under the supervision of the author, the work was ably carried out by Mr. Michel Lafontaine, a geologist from Val d'Or Quebec, who was assisted during the field investigation, by Mr. Jacques Ritchot, a prospector from Gracefield, Quebec.

The Carscallen property is situated west-southwest and within easy driving distance of the historical mining town of Timmins. The property can be reached via Highway # 101, by driving 25.8 kilometres west of the large shopping centre which lies on the western outskirts of town, to a point some 0.5 kilometres past Mahoney Creek and then turning north on a forestry road known as the Mallette Road. This road provides easy access to the eastern and western portions of the property.

## 2. FIELD PROGRAM - DESCRIPTION AND RESULTS

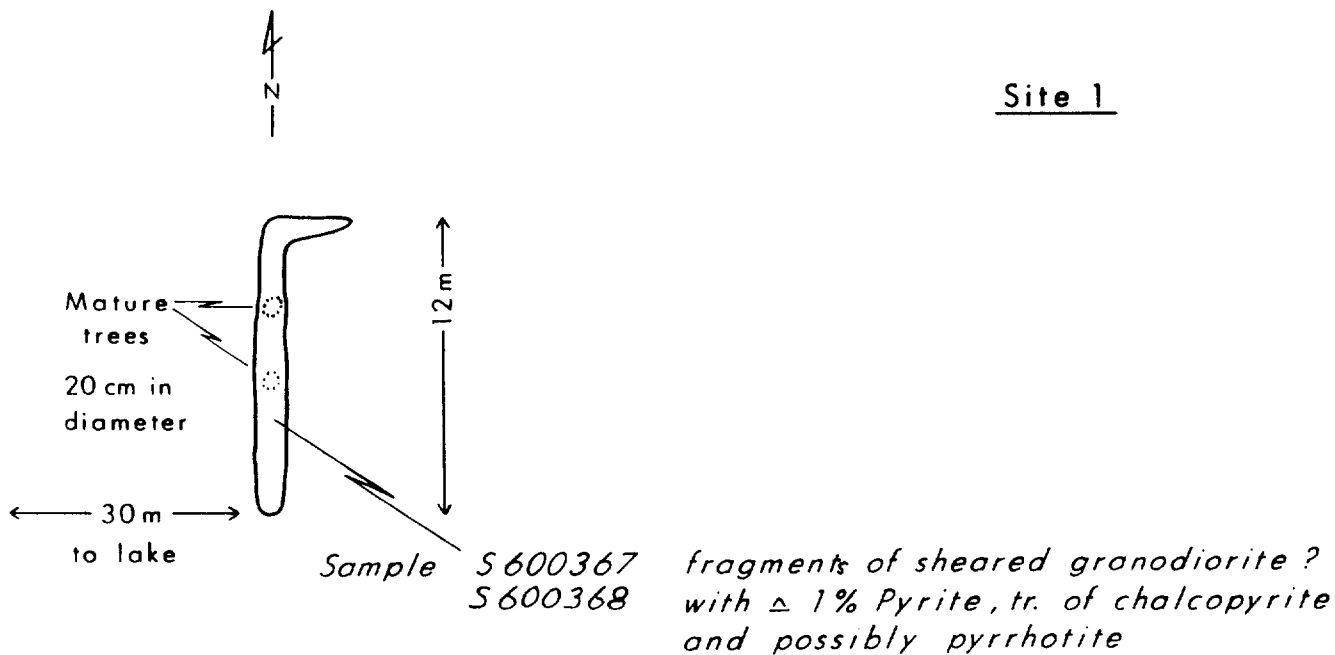
The program was highly successful in that it confirmed the importance of both east-west and north-south faulting in the emplacement of gold mineralization on the Carscallen Property.

Presented below is a table illustrating the assay results obtained from sampling completed during the recent field investigation on the property:

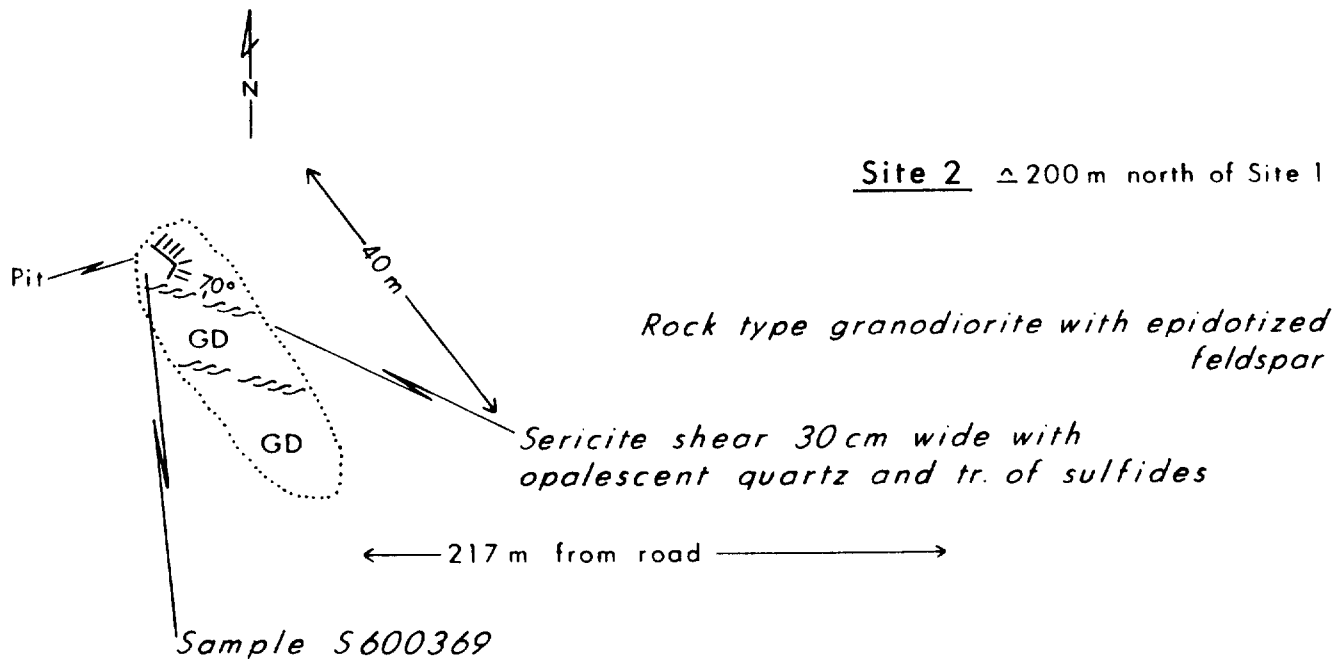
Sample	Au (ppb)	Location
600367	< 5	Showing # 1
600368	6	Showing # 1
600369	1593	Showing # 2



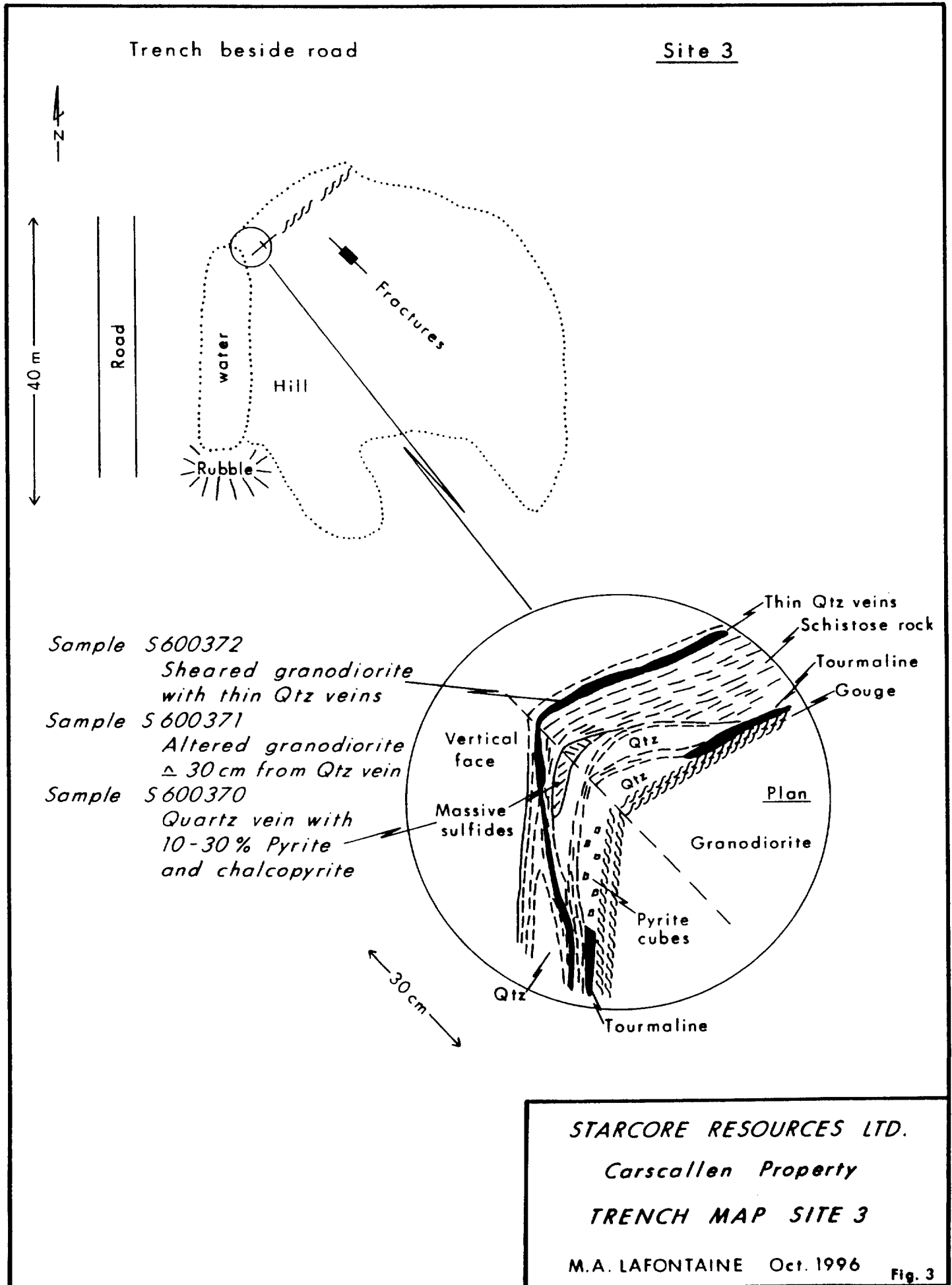
Site 1



Site 2  $\Delta$  200 m north of Site 1



STARCORE RESOURCES LTD.  
 Carscallen Property  
 TRENCH MAP SITE 1 & 2  
 M.A. LAFONTAINE Oct. 1996 Fig. 2





Sample	Au (ppb)	Location
600370	10.3 gr/t	Showing # 3
600371	3985	Showing # 3
600372	32	Showing # 3

Field work completed last summer along with a the recent assessment file investigation, had indicated that there existed on the Carscallen Property, north-south and east-west gold-bearing faults. Both fault systems were found to host significant amounts of gold mineralization, as described the report by the author dated August 14th, 1996. Though the amount of information dealing with the gold mineralization was of limited nature, it appeared clear that the gold potential of the property was not established, perhaps underestimated and that a more detailed study was warranted.

The search of assessment files outlined the presence of two gold showing which had gone unreported in the report by Campbell (1996). One gold showing is reported near the northeast shoreline of the small lake, whereas another is reported in the east-central portion of the property.

Near the lake, a trench had yielded a reported 9.0 g Au per ton (0.27 oz/t) in a grab sample. This trench site was located during the recent field work and was reasonably well located with regard to the assessment file records. Designated Showing #1 (figure 2), the trench shows no signs of recent activities and is largely rubble-filled and overgrown by vegetation, including large trees. Two samples (600367 and 600368) were collected on the showing but failed to return any significant gold values. Because of the condition of the trench, no mapping could be completed and no mineralization could be observed. Consequently, the sampling did not cover the mineralization which may lie buried there.

Another trench designated Showing # 2 (figure 2) was located some 125 metres north of Showing # 1. It was not recorded in assessment files and along with showing # 1, lines up quite well with a VLF-EM conductor axis outlined by a previous geophysical survey. The showing is characterized by roughly east-west shearing (100° Az.) with quartz veining and minor amounts of sulphides. One sample collected on this veining (# 600369) returned a very interesting 1,593 ppb (or ~ 0.046 oz/t) Au and confirms the gold-bearing potential of faulting of this orientation on the property.

A large trench was located just east of the forestry road in the east-central portion of the property. This occurrence, designated the “# 3 Showing” is located approximately where it was recorded in assessment files. In the past, many chip (?) samples were collected on the trench, yielding a large number of gold assays ranging up to 5.7 gr/t Au (0.166 oz/t) over 0.7 m (2.3 ft). The mineralization lies along a north-south vein cut by east-west faulting. In this regard, the # 3 Showing appears to lie to the south of, and along the same structure as the Jowsey Vein to the north.

The north-south veins at the # 3 Showing were not examined during the recent field program, since they appear to lie under the water and rubble-filled western portion of the trench. However, well developed shearing lying in a northeasterly orientation was observed at the north end of the trench (figure 3). This shear is characterized by a strongly developed steep-dipping schistosity, quartz veining and locally concentrated massive sulphides, including minor amounts of chalcopyrite. Three samples were collected along the shear, returning assays of 10.12 gr/t (0.295 oz/t), 3,985 ppb (~ 0.116 oz/t) and 35 ppb (trace) Au, as illustrated on figure 3 and in the table presented above.

As a result of the field work the presence of the "Jowsey Vein" could not be confirmed on the Carscallen Property. In fact the vein appears to be located just off the property, to the north.

Finally, one sample was collected off the property to the southeast in an effort to gain insight on the gold-bearing potential of northeast-trending faults both on and off the property.

### **3. CONCLUSIONS**

The recent assessment file research and subsequent field investigation was successful in locating three previously unlocated gold showings, as well as confirming the location, off the property, of another gold occurrence. Sampling of the recently uncovered gold showings has yielded gold assays ranging up to 10.12 gr/T in limited amount of grab sampling.

It can be concluded that gold mineralization occurring on the Carscallen Property is much more extensive than was expected and that the attractiveness of the property has improved with each of the recent programs.

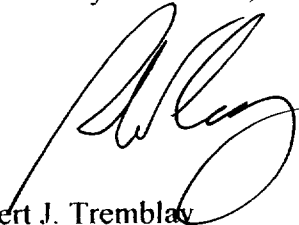
Gold mineralization has thus far been associated with various structural regimes, including north-south, northeast-southwest and east-west faults. The third, which is not well known on the Carscallen Property, is host to extensive gold-bearing quartz veins only 800 metres to the south.

#### 4. RECOMMENDATIONS

It is clear that the Carscallen property has not recently been subjected to a systematic and detailed evaluation. Considering the positive results of the recent and brief field investigations, a follow-up program consisting of geophysics, followed by stripping and trenching, is recommended on the property. The trenching work will be aimed at evaluating any anomalies uncovered by the previous survey, whereas the stripping work will be directed at the old showings in order to permit a detailed examination of the mineralized material and to establish the orientation of structural controls.

In preparation for the work described above, it is proposed that line cutting be completed over the entire property, at a 100 metre spacing along lines set out in a north-south orientation.

Respectfully Submitted,



Robert J. Tremblay  
November 25th, 1996

## **5. REFERENCES**

Campbell, I., 1996 Report on the Carscallen Property, for Starcore Resources Ltd., Carscallen Township, Porcupine Mining Division, Northeastern Ontario, NTS 42A/5.

A number of Assessment Files as summarized in Appendix II

## 6. CERTIFICATE

This will certify that :

I am a resident of Val Senneville (Val d'Or), Quebec, residing at 107 Zephir St., Postal Box 67-6, J0Y 2P0;

I have been continuously engaged in mineral exploration since 1975;

I have graduated from the University of Ottawa with an Honours B.Sc. degree in Geology, with Specialization in Structural Geology, in 1975;

I have declared in this report all the information, which to the best of my knowledge, has direct bearing on the property under study and on the recommendations put forward;

I have not directly or indirectly received, or do not expect to receive, any interest whatsoever in the Carscallen Property held by Starcore Resources Ltd.



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Robert J. Tremblay,  
Geologist, H.B.Sc.  
November 25th, 1996

**APPENDIX I**  
**ASSAY CERTIFICATES**

1322 rue Harricana  
Val d'Or, Québec J9P 3X6  
Tél: (819) 825-0178  
Fax: (819) 825-0256



# Inchcape Testing Services

## Chimitec Ltée

CERTIFICAT  
D'ANALYSE

CLIENT : M. ROBERT TREMBLAY  
RAPPORT: C96-64239.0 ( COMPLET )

PROJET: STARCORE RES.

DATE DE L'IMPRESSION: 5-NOV-96

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB
----------------------------	-------------------	-------------

600367		<5
600368		6
600369		1593
600371		3985
600372		35

600373		1145
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*M03*

1322 rue Harricana  
Val d'Or, Québec J9P 3X6  
Tél: (819) 825-0178  
Fax: (819) 825-0256



# Inchcape Testing Services

## Chimitec Ltée

CERTIFICAT  
D'ANALYSE

CLIENT : M. ROBERT TREMBLAY  
RAPPORT: C96-64240.0 ( COMPLET )

PROJET: STARCORE RES.  
DATE DE L'IMPRESSION: 6-NOV-96 PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au Moy G/T	WT+150 Gr.	Au+150 G/T	Au-150 G/T	Wt-150 Gr.
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600370		10.12	39.35	9.66	10.19	235.3
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*MCS*



**APPENDIX II**

**ASSESSMENT FILE RESEARCH ON AND OFF THE CARSCALLEN PROPERTY**

**Assessment file T-71**

June 1952, Jowsey Denton Gold Mines; covers all of the present claim group.

One drill log: DDH J-D-1, bearing west and dipping 50°, total footage 323'.  
Description: 0-59.0 feet casing; 59.0-191.0 feet, pink granodiorite; 191.0-216.0 feet, pink granite; 216.0-230.0 ft, pink syenite; 230.0-251.0 ft, black lamprophyre; 251.0-295.0 ft, pink syenite; 295.0-303.0 ft, lamprophyre; 303.0-323.0 ft, syenite. No assays are reported in this log.

A few maps and a compilation are available. The compilation of their property includes the location of the 1010 vein, of the Jowsey vein and of the mineralization near Mahoney Lake which consists of an east-west structure at the volcanic rock / granitic intrusive contact. Also included is a map describing chip sampling on a north-south shear in granitic rocks just east of the lake. Values up to 5.7 g/t and 3.7 g/t Au (calculated from \$5.80/ton / 2 feet 2 inches, using \$35/ounce estimated for this period) were reported over distances of 0.7 and 1.1 metres respectively.

**Assessment file T-111**

Rosak Porcupine Mines Ltd, 1945; located to the north-east of the present claim group near the Jowsey vein mineralization.

The report contains 8 drill logs, as summarized below:

DDH X-1, azimuth south 72° east, dip -45°; total length 77 feet; rock type granite with porphyritic inclusions and mylonite!  
DDH X-2, azimuth north 11° 30' west, dip -45°; total length 103 feet; rock type granite, with a pyrite-bearing shear zone.  
DDH X-3, azimuth north 37° west, dip -45°; total length 62 feet; rock type granite with blue quartz.  
DDH 4 more than 150 feet olivine diabase then from 150 to 375 feet andesite.  
DDH 6, total length 697 feet, of andesite.  
DDH 7, total length 699 feet, of andesite.  
DDH 8, total length 819 feet, of andesite with a few porphyry dykes.

**Assesment file T-1926**

Gold Shield Syndicate property (Gowest Amalgamated Resources Ltd); covers the present claim group.

Magnetometer and EM surveys along north-south lines spaced 400 feet apart. In 1982 a VLF survey using a Ronka 16 did not detect any conductors. An earlier survey submitted in 1978 along east-west lines 400 feet apart, did locate north-south trending conductors located east of the lake on the claim group. A description is given of the 1010 vein: The vein strikes north for a distance of 700 feet and has been explored by a shaft located in the north sector which is 46 feet deep and by a shaft located in the south which is 19 feet deep. It has been investigated by 14 diamond drill holes to a depth of 200 feet. Seven grab samples assayed 3.31 oz/t to 0.12 oz/t with an average of 1.39 oz/t. The average width is 8 inches. Also the Jowsey vein has been explored by 2 pits 28 & 16 feet deep and by 6 diamond drill holes.

#### **Assesment file T-1981**

Gagnon property (Speculator Guild Inc.), 1978, George, P.T.

Geophysical surveys (Mag and VLF) on east-west and north-south grid cut on a property which surrounds the Mahoney Lake mineralization. Some details are given on a map which includes this mineralization.

#### **Assement file T-2810**

G. Martin property (R. Sproule, C. von Hessert & Associates Ltd), 1983 report

Geology, geochem. soil, Mag, VLF surveys on 17.5 mile east-west grid on the property which is located immediately east of the Gowest claim group.

#### **Assesment file T-2815**

Gowest Amalgamated Resources property, 1984, R.J.Dradshaw

Geological survey of the property and description of Gold Shield geophysical surveys. A section taken from Cunningham L. J. (1982) shows the drilling performed by Jowsey-Denton on the 1010 vein with impact points and values : (ddh # 6, intersection Tr /3.0 feet at the 100' level; ddh # 4, intersection 0.03 oz/t /0.7feet at the 100' level; ddh # 13, intersection 0.1oz/t /1.1feet at the 120' level; ddh # 8, nil at the 150' level; ddh # 9, nil at the 200' level; ddh # 12, 0.37 oz/t /1.0 feet at the 200' level; ddh # 5, 12.0 oz/t /0.7 feet at the 200' level; ddh # 15, 0.14 oz/t /1.5 feet at the 150' level; ddh # 7, 0.18 oz/t /1.2 feet at the 150' level; ddh # 16, 0.01oz/t /1.2 feet at the 150' level; ddh # 18, 2 intersections: 0.135oz/t /4.3 feet & 0.11oz/t /1.6 feet at the 300' level; ddh # 17, 0.135oz/t /4.3 feet at the 280 level; ddh # 14, 1.0 oz/t /0.9 feet at the 250' level; ddh # 10 and # 11 drilled on north bearing.

The Mag. survey located anomalies near 1010 vein which are also conductive. The property includes large portions of the present claim group.

**Assesment file T-2628**

Cleyo Resources Inc. property

R. Sproule, Summary of 1983 drill results for Cleyo Resources Inc. Big March Property. Some 10 BQ-sized drill holes totalling 1868 feet were drilled in pairs, with dips varying from -45 to -55 degrees angles. The objective was to test conductors on the property which lie to the north-east of the map area and is underlain by a north-south fold. For the most part, sedimentary graphitic shales were intersected. The drill holes can be summarized as follows: BM-1, azimuth 230°, dip -45°, length 191 feet; BM-2, azimuth 230°, dip -55°, length 193 feet; BM-3, azimuth 230°, dip -55°, length 215.5 feet; BM-4, azimuth 050°, dip -45°, length 197 feet; BM-5, azimuth 230°, dip -45°, length 167 feet; BM-6, azimuth 230°, dip -55°, length 177 feet; BM-7, azimuth 050°, dip -45°, length 196 feet; BM-8, azimuth 050°, dip -55, length 196 feet; BM-9, azimuth 050°, dip -45°, length 198 feet; BM-10, azimuth 050°, dip -55°, length 138 feet.

A progress report to Cleyo Resources Inc. by C. von Hessert (1983) deals with the geological work conducted on their Carscallen properties. The report covers their 1983 program which was performed on 2 properties. On the Bigmarsh property, the program includes line cutting, Mag, VLF-EM, HEM and drilling. On the Mahoney Lake property, the program consisted of Mag, VLF-EM, mapping and trenching on line 8. In one trench near Mahoney Lake, a grab sample returned 0.46 oz/t Au, whereas on another trench situated near what is now the mall lake on the Starcore property, a grab sample yielded 0.27 oz/t Au upon assaying. These samples were collected on what are decribed as east-west veins.

**Assesment file T-3244**

R.G. Smith, 1988, trench.

Rolly Collins, 1990, describes a basal till sampling and analysis program in 52 holes completed using a wacker (type 305) plugger. In total, 74 samples were collected along 3 north-south lines, with values ranging 20 -140 ppm Cu and 35 -110 ppm Zn.

**Assesment file T-3331**

Hunter MacKenzie 1989, describes trenching in claims 1028833 and 1028832 beside Mahoney Lake (west of it) and towards other lake to the west.

**Assesment file T-3474**

M. Plaunt property (1991), which represents the present land package. Only one drill hole is reported. This hole, DDH 1010-91-1, bears the following characteristics: orientation 225°; length 80.5 feet; core dimension AQ; dip -65° (in log given as -25°, but diagram refers to inclination); and one assay, 9562 ppb Au ,over 1.5 feet (46.5-48.0) in veinlets of quartz+carbonate beside main vein in sericitized package. also prospecting reported without any description of samples.

**Assesment file T-3596**

Hurst-Beanland Claims, 1994

Property located north of Mahoney Lake, just east of Jowsey vein. Prospecting is submitted as work over trenches already described in previous work (trenches and drill holes are on Jowsey-Denton map). Grab samples grade from Tr- 0.27oz/t Au.

**APPENDIX III**

**REPORT ON A PROPERTY EXAMINATION FOR STARCORE RESOURCES LTD.  
CARSCALLEN TOWNSHIP, PORCUPINE MINING DIVISION, NORTHEASTERN  
ONTARIO NTS 42 A/5**

**Prepared by Robert J. Tremblay H.B.Sc., August 14<sup>th</sup>, 1996, Val d'Or, Quebec,**

**Report on a  
PROPERTY EXAMINATION  
CARSCALLEN PROPERTY**

**For  
STARCORE RESOURCES LTD.**

**Carscallen Township  
Porcupine Mining Division  
Northeastern Ontario  
NTS 42 A/5**

**Val d'Or, Quebec  
August 14<sup>th</sup>, 1996**

**Robert J. Tremblay  
Geologist, H.B.Sc.**

## INTRODUCTION

On July 23<sup>rd</sup>, 1996 the author travelled to the Timmins area in order to carry out a field examination of Starcore's Carscallen Property. This was carried out in response to a request by Mr. Ralph R. Brown, President of Starcore Resources Ltd.

The objective of this examination was to establish whether or not east-west faulting existed in the vicinity of the previously outlined 1010 gold vein and if it did, to evaluate its gold-bearing potential. This investigation was launched in response to information received from the previous property owners that gold values had been obtained in an east-west shear zone in the vicinity of the vein.

Mr. Richard Plante, who jointly held with Mr. Maurice Plante, the Carscallen property, guided the author to the property and more specifically, to the 1010 gold vein. Following a brief discussion primarily aimed at establishing where previous dynamiting and sampling had been carried out in the past, Mr. Plante left the property.

After spending some time examining the mineralization, host granodiorite and local tectonics (fault systems), the author with the help of a field assistant, undertook to examine in detail the outcrops which surround the vein along the prominent north-south ridge and then eastward, to the shoreline of the small lake which occupies the centre of the property.

At the end of the day and on the return trip to highway 101, a stop was also made on an outcrop area lying some 500 to 600 metres north of the highway. Even though the outcrop area lay off the Starcore property, the stop was made in order to gain more insight into the lithologies and tectonics which characterize the general area.

A sketch at an approximate scale of 1:5,000 was prepared for the 1010 vein area. This map offers an overview of the dominant features affecting the showing area. Blow-out sketches of points of interest have been added to illustrate the east-west cross-faulting which affects the gold-bearing vein. Finally, a 1:20,000 scale map has been included to provide a better overview of the access to the 1010 vein area and to illustrate the location of all samples collected on and off the Starcore property.

In total, four samples were sent out for gold assay, including one sample from outside the property. The results obtained from Chimitec Ltee, a division of Bondar-Clegg & Co. Ltd., are attached.



## FIELD OBSERVATIONS

The 1010 vein strikes about 010° Azimuth and dips some 75°- 80° to the east. Two samples were collected on the 1010 vein in order to confirm the gold-bearing nature of the sulphide-rich material. A first sample (# 570501) was collected on the south wall of the northern shaft. It returned upon assaying, 118,764 ppb Au (or 3.46 oz/t). A second sample (# 570502) was taken in a north-south trench along the vein, some 117 metres north of the northern shaft. Assaying of this sample returned 35,893 ppb Au (or 1.04 oz/t). At both localities, the sulphide-rich vein does not exceed 30 cm (~1ft) in width.

The 1010 vein showing and its surroundings are underlain by a massive and fresh-textured granodiorite which is quite massive. The intrusive is only affected by north-south shearing along the gold-bearing 1010 vein. On the other hand, weak to moderate east-west (100°-110°Az.) shearing was observed on the showing and on other outcrops to the east and southeast. All the east-west shears observed during this field visit were narrow in nature and devoid of strong alteration and sulphides. Because of the fissile nature of such shear zones, they often tend to be eroded by glacial action and thus buried under overburden and moss, along valleys between outcrops. Therefore, one would not expect a well developed shear zone, characterized by strong alteration and perhaps sulphides, to necessarily be exposed.

In figure 5 of his April 1996 report, Ian Campbell shows a fault trending about 070°Az., which cuts and displaces the 1010 vein by about 50 metres. In the field, a cross-cutting east-west shear was observed along the 1010 vein, some 117 metres north of the northern shaft. As shown on the attached sketch, the fault rather lies at about 100° to 110° Az.. Moreover, displacement of the gold-bearing vein was observed only in one locality. Movement on the vein is dextral (right-hand) and in the order of 1.0 to 1.5 metres, again as illustrated on the 1:5,000 scale sketch.

Displacement of the 1010 vein appears to be progressive between the northern shaft and the showing lying some 117 metres to the north. As a result of this displacement, the line linking the shaft to the northern showing lies at about 020°- 025° Az., even though the strike of the vein actually lies at about 010° Az.,

The east-west fault described above is very narrow (<30 cm) in nature and does not bear any quartz veining or sulphides.

However, evidence that east-west faulting may be potentially gold-bearing, was found on an outcrop which lies at the northern end of the outcrop area. More precisely, the site lies some 145 metres north of the northern shaft along the gold-bearing 1010 vein. At this site, a 2-3 cm sulphide-bearing quartz vein lies along a cross-cutting fault, on the east flank of the 1010 vein. Striking at 110° Az. and dipping near vertically, the vein can be followed over a distance of only 2.0 to 2.5 metres before disappearing under soil and moss. The vein was sampled (# 570503) and returned 4799 ppb gold (0.14 oz/t) upon assaying..

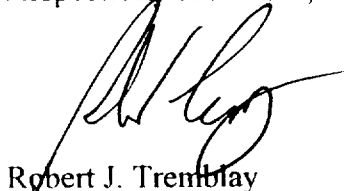
## CONCLUSIONS AND RECOMMENDATIONS

The presence of both barren and sulphide-gold bearing cross faults in the 1010 vein area, is a firm indication that east-west shearing, could be more extensive than was observed during this brief field investigation. The presence, to the southeast of the property, of another broadly east-west shear zone, which upon sampling, returned an anomalous 732 ppb Au (0.02 oz/t), constitutes another indication of the favourable nature of this tectonic direction.

The mandate of the recent field investigation did not include a verification of the assessment work filed on this property throughout the years. This task should be completed in order to ascertain whether an east-west tectonic fabric was recognized during previous exploration efforts; and whether past geophysical surveys were properly oriented in order to detect these structures and any associated sulphides.

In this regard, gold on the Carscallen property appears to be linked to the presence of disseminated sulphides. Sulphides occurring in this form are usually difficult to detect with electromagnetic geophysical surveys. They are however, usually detected by induced polarization surveys. Consequently, assessment files should be examined in order to ascertain, whether any I.P. survey has ever been carried out in order to outline potentially sulphide and gold-bearing east-west shear zones, along north-south picket lines on the Carscallen property.

Respectfully submitted,

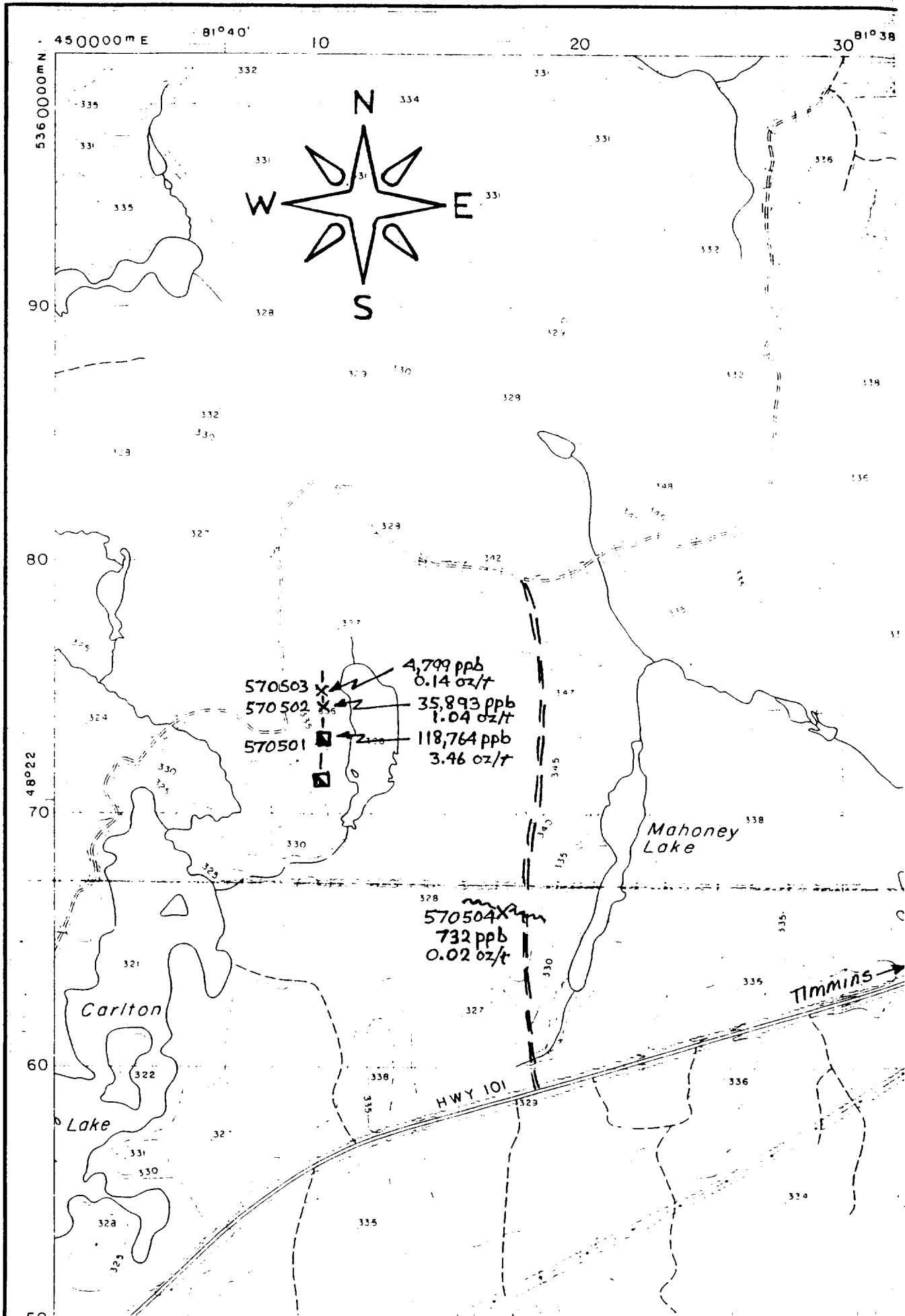


Robert J. Tremblay  
Geologist H.B.Sc.

Attached:      A sketch of the 1010 vein area at an approximate scale of 1:5,000.  
                  A map at 1:20,000 scale, showing access and sample locations.  
                  A certificate of analysis for samples # 570501 to # 570504

SCALE  
1:20,000

THE INFO.  
APPEARS  
HAS BE  
FROM VA  
AND AC  
SARAA



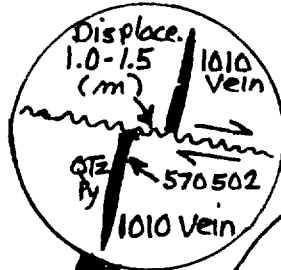
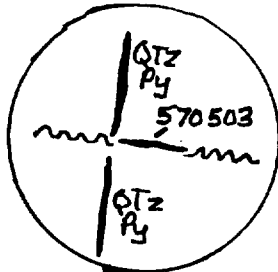
# FIELD OBSERVATIONS

July 23<sup>rd</sup>, 1996

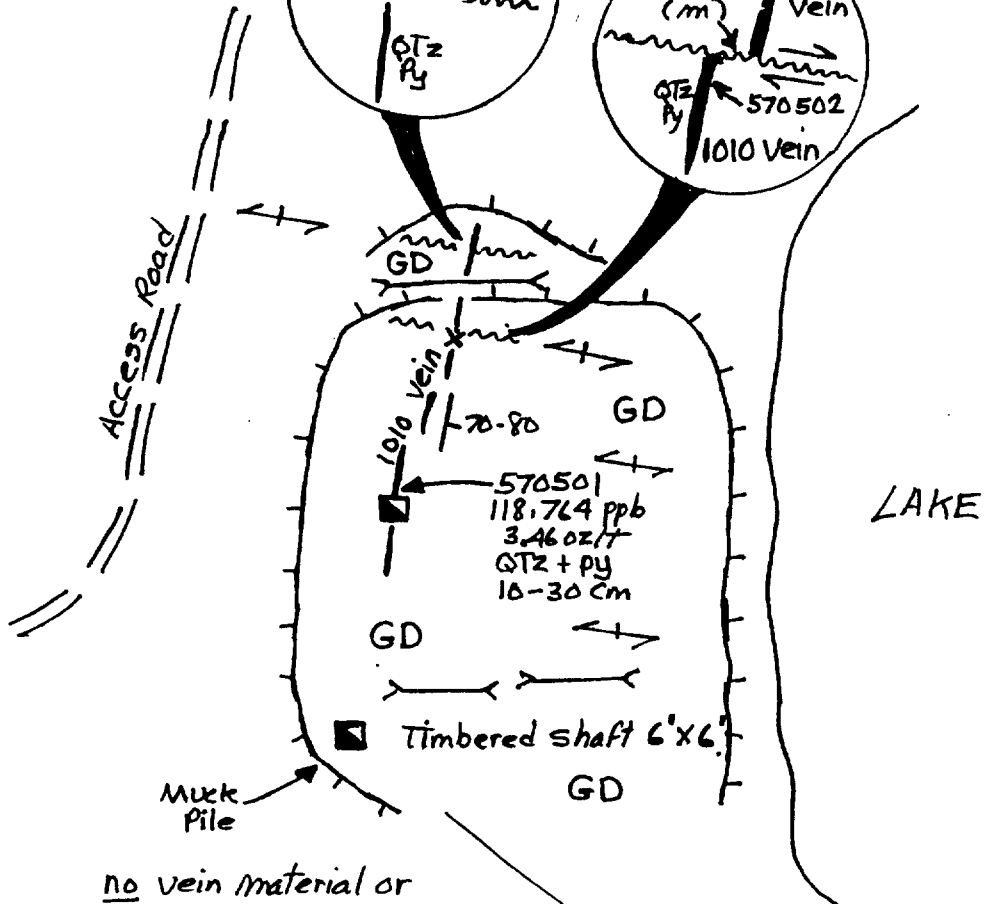
APPROXIMATE  
scale  
1:5,000  
0 50 100  
(metres)



#570503 4,799 ppb Au (2.0-2.5m x 2-3cm)  
0.14 oz/t  
Qtz-Py vein



#570502 35,893 ppb Au  
1.04 oz/t  
Qtz + Py

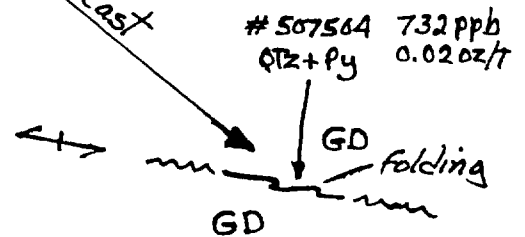


no vein material or  
rusty sulphides in debris  
surrounding the shaft

- GD Granodiorite
- shaft
- Trench
- ↔ Strike & Dip 1010 Vein
- ↔ Strike & Dip cross-cutting shear zones and/or local weak schistosity.
- ~~~~ Shear zone

570501-504 Samples collected for assaying

↗ moderate to steep slope



STARCORE RESOURCES LTD  
Carscallen Twp Property  
R.J. Tremblay H.B.Sc.

1322 rue Harricana  
Val d'Or, Québec J9P 3X6  
Tél: (819) 825-0178  
Fax: (819) 825-0256



# Inchcape Testing Services

## Chimitec Ltée

CERTIFICAT  
D'ANALYSE

RAPPORT: C96-62442.0 ( COMPLET )

DATE DE L'IMPRESSION: 1-AUG-96

PROJET: STARCORE RES.

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB
----------------------------	-------------------	-------------

570501		118764
570502		35893
570503		4799
570504		732

1322 rue Harricana  
Val d'Or, Québec J9P 3X6  
Tél: (819) 825-0178  
Fax: (819) 825-0256



# Inchcape Testing Services

## Chimitec Ltée

CERTIFICAT  
D'ANALYSE

RAPPORT: C96-62442.0 ( COMPLET )

DATE DE L'IMPRESSION: 1-AUG-96  
PROJET: STARCORE RES. PAGE 3

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB
----------------------------	-------------------	-------------

570503		4799
Duplicata		4506

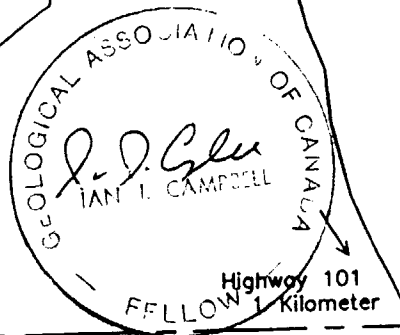
P1206779

Logging Road

P1132248

Logging Road

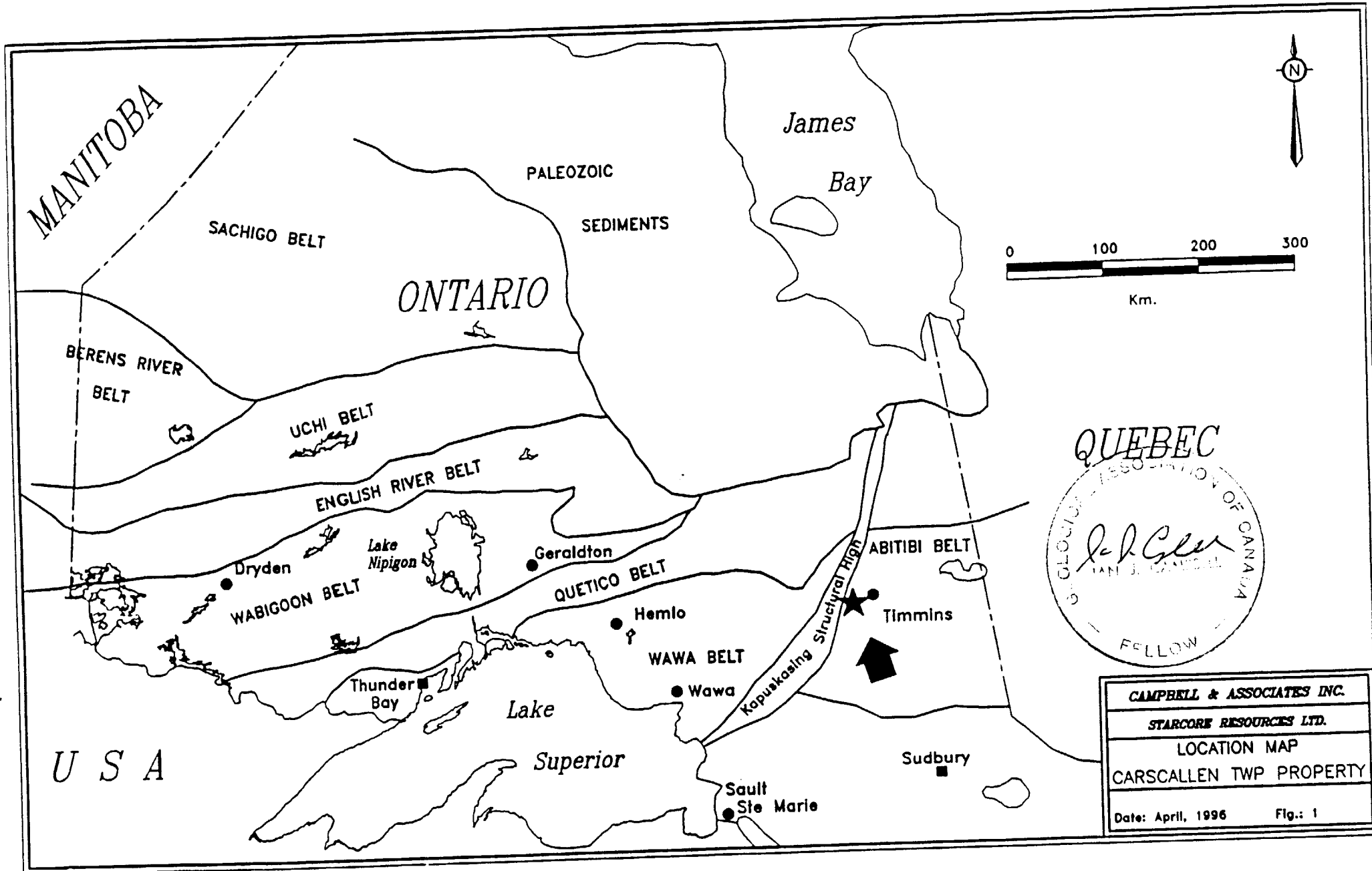
Mahoney Lake



Highway 101  
1 Kilometer

CARSCALLEN TWP.  
DENTON TWP.

REVISIONS	<b>CAMPBELL &amp; ASSOCIATES INC.</b>	
	<b>STARCORE RESOURCES LTD.</b>	
	CLAIM MAP CARSCALLEN TWP PROPERTY	
	Date: April, 1996	NTS 42A/5 Fig. 2



CAMPBELL & ASSOCIATES INC.
STARCORE RESOURCES LTD.
LOCATION MAP
CARSCALLEN TWP PROPERTY
Date: April, 1996      Fig.: 1



CAMPBELL & ASSOCIATES INC.

STARCORE RESOURCES LTD.

REGIONAL GEOLOGY

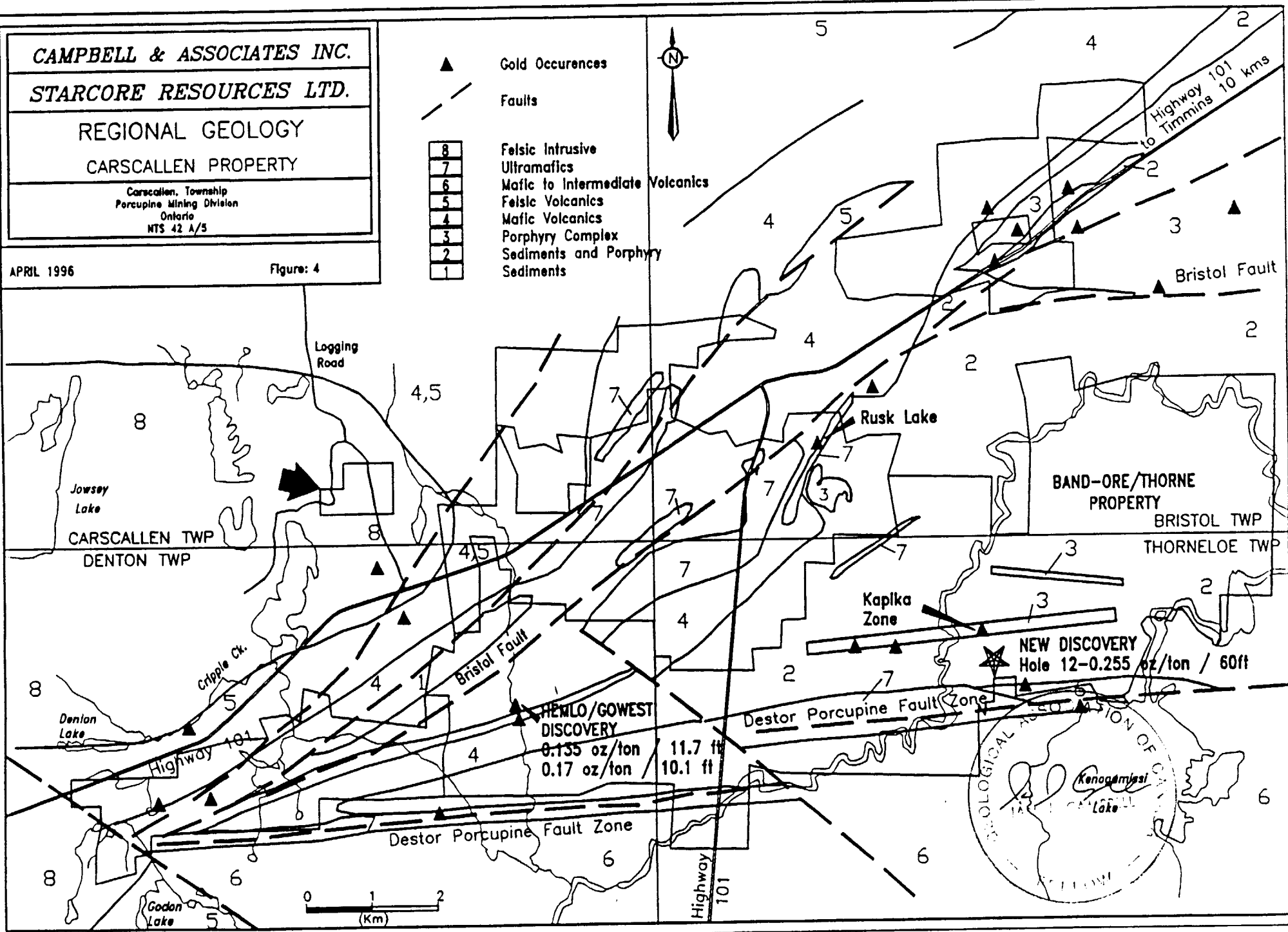
CARSCALLEN PROPERTY

Carscallen, Township  
Porcupine Mining Division  
Ontario  
MTS 42 A/5

APRIL 1996

Figure: 4

- ▲ Gold Occurrences
- - - Faults
- 8 Felsic Intrusive
- 7 Ultramafics
- 6 Mafic to Intermediate Volcanics
- 5 Felsic Volcanics
- 4 Mafic Volcanics
- 3 Porphyry Complex
- 2 Sediments and Porphyry
- 1 Sediments





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)  
 W9760.00405  
 Assessment Files Research Imaging

Personal information collected on this form is obtained under the Mining Act, the information is a public document. Questions about this collection should be directed to the Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario



Mining Act. Under section 8 of the Mining Act, the information is a public document and with the mining land holder. Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed  
 - Please type or print

900

2.17771

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

Name <b>Plaut Richard Allen</b>	Client Number <b>214513</b>
Address <b>1710 Kingston Road Port Erie, Ont. L2A 5M4</b>	Telephone Number <b>(905) 871-0705</b>
	Fax Number <b>(905) 871-8119</b>
Name <b>Plaut Morris William</b>	Client Number <b>182278</b>
Address <b>1710 Kingston Road Port Erie, Ont. L2A 5M4</b>	Telephone Number <b>(905) 871-0705</b>
	Fax Number <b>(905) 871-8119</b>

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

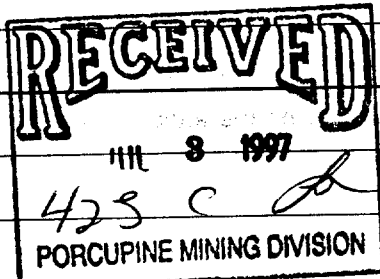
Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <b>Assessment file research compilation, prospecting and geological mapping and reporting by R.J. Tremblay geologist</b>	Office Use
Dates Work Performed <b>From 23 07 96 To 25 11 96</b>	Commodity
Global Positioning System Data (if available)	Total \$ Value of Work Claimed <b>4935</b>
Township/Area <b>Carscallen</b>	NTS Reference
M or G-Plan Number <b>G-3040</b>	Mining Division <b>Porcupine</b>
	Resident Geologist District <b>Timmins</b>

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 <b>Robert J. Tremblay Geologist H.B.Sc.</b>	Telephone Number <b>(819) 874-8658</b>
Address <b>107 Zephyr St. Box 67-6 Val Senneville, QC J0Y 2P0</b>	Fax Number <b>(819) 874-8658</b>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, Robert J. Tremblay (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.

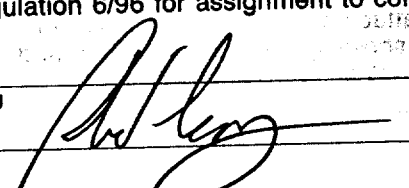
Signature of Recorded Holder or Agent <i>[Signature]</i>	Date <b>July 3rd 1997</b>
Agent's Address <b>107 Zephyr St. Box 67-6 Val Senneville Quebec J0Y 2P0</b>	Telephone Number <b>(819) 874 8658</b>
	Fax Number <b>same</b>

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.

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 P 1132248	1	\$1,054.00	\$1,054.00		
2 P 1206779	4	\$3,881.50	\$3,881.50		
3	R (200)				
4	R (200)				
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$4,935.31	\$4,935.31		

I, Robert J. Tremblay, 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



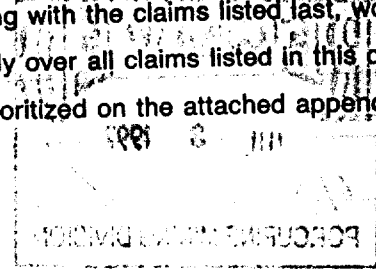
Date

July 3<sup>rd</sup> 1997

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

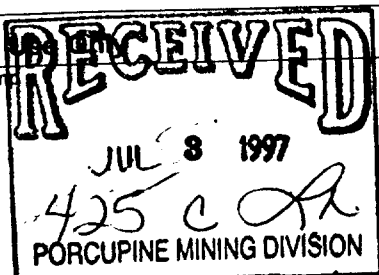
Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 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.

For Office Received Stamp



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





W9760.00405

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.

Claim P1132248

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Mapping and Prospecting	Geologist 1.0 day	325.00/day	\$ 325.00
Assistant to Geologist	Prospector 1.0 day	200.00/day	200.00
Reporting	Geologist 0.75 day	325.00/day	243.75
Associated Costs (e.g. supplies, mobilization and demobilization).			
Maps and Field supplies			52.45
Transportation Costs			2,177.71
Travelling Val d'Or, Qc, property and return. 725 kms at 0.28/km (Fuel included)			203.00
Food and Lodging Costs			
Meals for field crew			30.00
<b>Total Value of Assessment Work</b>			<b>\$ 1,053.81</b>

Calculations of Filing Discounts:

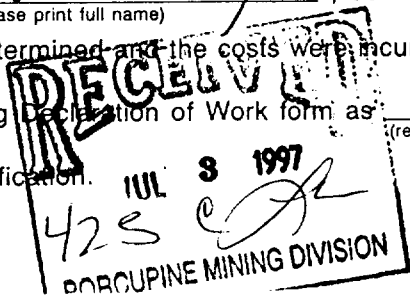
1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 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, Robert J. Tremblay, 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 Agent I am authorized to make this certification.  
(please print full name)  
(recorded holder, agent, or stake company position with signing authority)



Signature [Signature] Date



December 11, 1997

RICHARD ALLEN PLAUNT  
210 RORKE AVENUE  
HAILEYBURY, ONTARIO  
P0J-1R0

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

Telephone: (888) 415-9846  
Fax: (705) 670-5863

AMENDED

Dear Sir or Madam:

**Submission Number: 2.17771**

**Status**

**Subject: Transaction Number(s):** W9760.00405 Deemed Approval

---

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.

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 [benetest@epo.gov.on.ca](mailto:benetest@epo.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

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

# Work Report Assessment Results

Submission Number: 2.17771

Date Correspondence Sent: December 11, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00405	1132248	CARSCALLEN	Deemed Approval	October 01, 1997

**Section:**

12 Geological GEOL

Thank you for your letter clarifying submission W9760.00405. The requests you have made within your letter are valid and have been addressed. Assessment credit is as follows:

Claim 1206779

Geology/Prospecting	\$ 850.00
Supervision/Report	\$1,488.00
Assays	\$ 109.00
Field supplies	\$ 50.00
Travel	\$ 216.00 (Ont./Quebec border to Timmins is 180km x 4 trips x \$0.30/km)
Meals	\$ 87.00
	-----
Total	\$2,800.00

Claim 1132248

Mapping/Prospecting	\$525.00
Report	\$243.00
Supplies	\$ 52.00
Travel	\$108.00 (Ont./Quebec border to Timmins is 180km x 2 trips x \$0.30/km)
Meals	\$ 30.00
	-----
Total	\$958.00

Accordingly, assessment credit has been approved as outlined on the attached Credit Distribution form.

# Work Report Assessment Results

---

**Submission Number:** 2.17771

**Correspondence to:**

Resident Geologist  
South Porcupine, ON

Assessment Files Library  
Sudbury, ON

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

Robert J. Tremblay  
VAL SENNEVILLE, PQ, CAN

RICHARD ALLEN PLAUNT  
HAILEYBURY, ONTARIO

MORRIS WILLIAM PLANT  
FORT ERIE, Ontario

---



# Distribution of Assessment Work Credit

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

Date: December 11, 1997

Submission Number: 2.17771

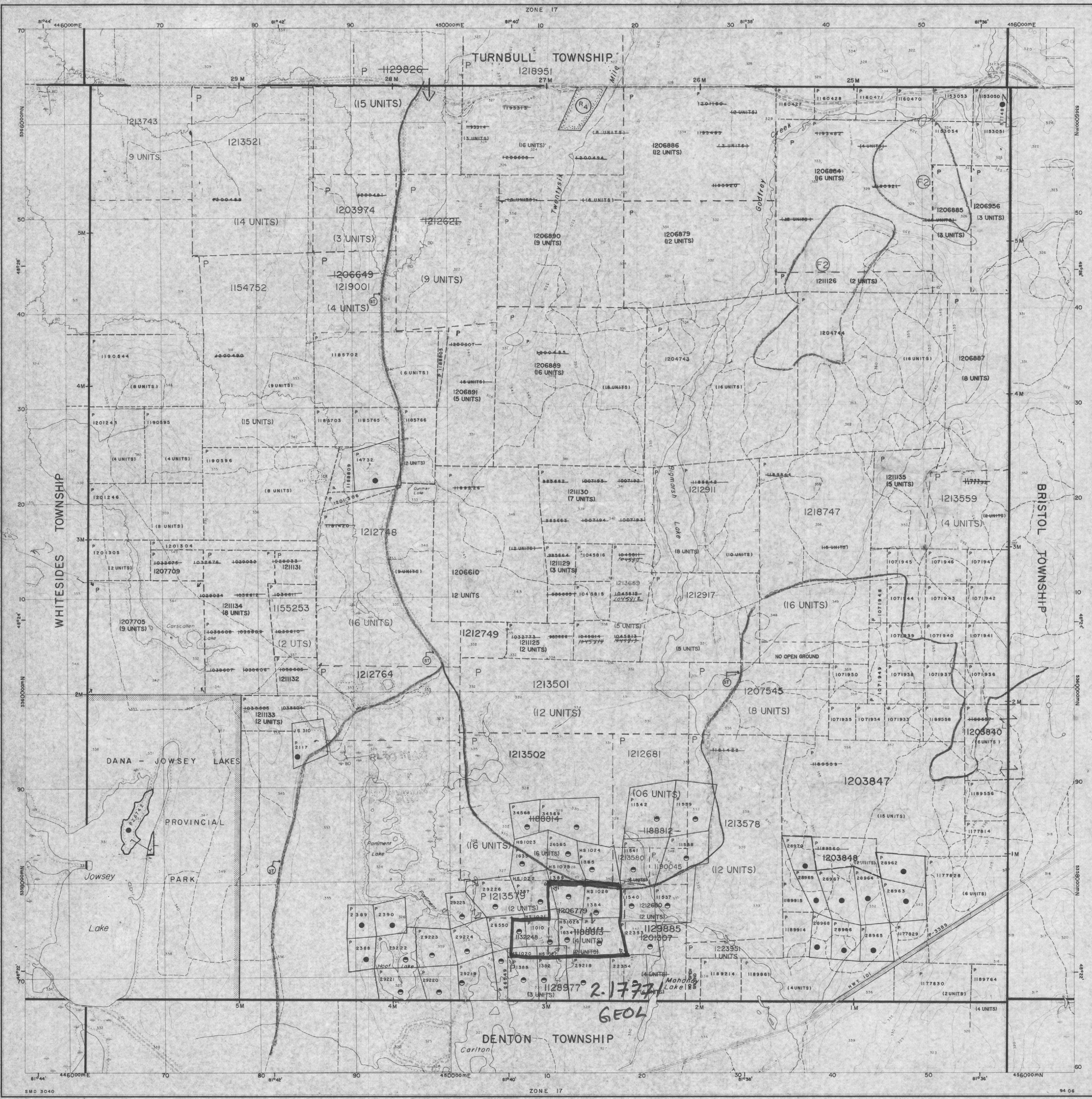
---

Transaction Number: W9760.00405

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1132248	958.00
1206779	2,800.00
Total: \$	<hr/> 3,758.00

---



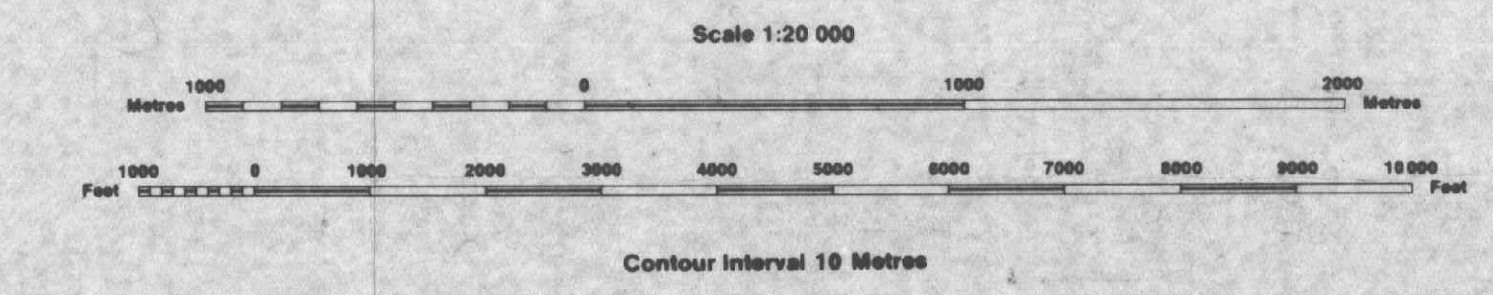


**INDEX TO LAND DISPOSITION**

PLAN  
G-3040  
TOWNSHIP

**CARSCALLEN**

M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
MINING DIVISION  
PORCUPINE  
LAND TITLES/REGISTRY DIVISION  
COCHRANE



**AREAS WITHDRAWN FROM DISPOSITION**

MRO - Mining Rights Only  
SRO - Surface Rights Only  
M+S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
AGGREGATE PERMIT - NOTICE RECEIVED JUNE 16, 1993				

**SYMBOLS**

- Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
- shoreline
- Lot/Concession; surveyed
- unsurveyed
- Parcel; surveyed
- unsurveyed
- Right-of-way; road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
- double track
- abandoned
- Road; highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

- ⊗ THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1994-95. FURTHER INFORMATION AVAILABLE ON FILE.
- Ⓜ APPLICATION PENDING UNDER THE PUBLIC LANDS ACT SNOWMOBILE TRAILS - NOTICE RECEIVED 92-DEC-21
- Ⓜ THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96. FURTHER INFORMATION AVAILABLE ON FILE.

**DATE OF ISSUE**

NOV 19 1997

PROVINCIAL RECORDING  
OFFICE - SUDBURY

**DISPOSITION OF CROWN LANDS**

- 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
- Cancelled
- Reservation
- Sand & Gravel

ACTIVATED AUG. 17/94, BY: D.C.  
CHECKED BY:

G-3040

CARSCALLEN TWP

G-3040