

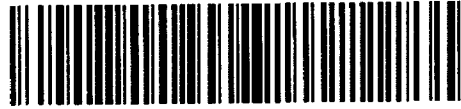
2.5719



NAREX Ore Search Consultants Inc.

4900 Sheppard Avenue East, Suite 208, Scarborough
Ontario, Canada M1S 4A7 Tel. (416) 293-2990

NRX: 83/017



41P11SW0237 2.5719 ASQUITH

010

TIMMINS GOLD RESOURCES LIMITED

GEOLOGICAL SURVEY

GIBSON-MOORECAMP LAKE PROPERTY

ASQUITH TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF SUDBURY

ONTARIO

RECEIVED

JUL 29 1983

MINING LANDS SECTION

July, 1983

A) INTRODUCTION

The Gibson-Moorecamp Lake property consists of five (5) contiguous claims in Asquith Township, Larder Lake Mining Division, District of Sudbury, Ontario. The claims which are held by Timmins Gold Resources Ltd. are L446557, L494562, L507641, L573386 and L573098.

During March 1982 a grid was cut over the property and a subsequent geological survey was conducted by NAREX Ore Search Consultants Inc. in May 1982.

B) LOCATION AND ACCESS

The claim group is located in central Asquith Township, immediately east of Highway 560 and the village of Shiningtree, Ontario. Moorecamp and MacDonald Lakes are major bodies of water which are located at least partly within the boundaries of the claim block.

C) TOPOGRAPHY

The topography of the area is typified by a relatively flat and wet terrain with outcrops along the shores of Moorecamp and MacDonald Lakes. There does not appear to be any thick or extensive areas of glacial till but rather a thin veneer of till and humus covering most of the property. The bedrock exposure comprises between 5% and 10% of the total area of the property.

Vegetation mainly consists of a mixed forest of poplar, spruce and birch trees. Several long, linear cedar swamps are also found adjacent to the creeks and lakes.

D) PREVIOUS WORK

Exploration activity in the area was carried out for gold and the earliest recorded work was in 1912 when gold was first discovered in a quartz vein along the Churchill-Asquith Twp. boundary (Carter, 1980) between Highway 560 and Speed Lake. The claim containing this discovery is also presently held by Timmins Gold Resources Ltd.

The earliest reference to the Gibson property was by R. B. Stewart, Ontario Department of Mines report 1913. He notes that considerable gold was observed in quartz veins and stringers on claim WD 2279 on the southeast section of the property.

The earliest recorded work done on the Gibson property was in 1936 by Erie Canadian Mines. The work consisted of trenching and sampling of a shear zone with quartz veins. The best assays yielded 0.47 Au (oz/t) over 3.3 feet, but most of the rest gave 0.03 (oz/t) Au to trace Au.

Two diamond drill holes were completed in 1960 by the Hecmac Prospecting Syndicate on an east-west striking shear zone near Moorecamp Lake. A value of 0.08 oz per ton was obtained over 0.9 feet in one of the holes. In addition a grab sample of a quartz vein in the northern part of the property returned a value of 0.10 oz per ton Au. (McLean, 1981)

In the period 1972-1977 various amounts of stripping and trenching by Albert Saville were carried out on the property. The locations of these are in the vicinity of the present trenches and pits as shown on the geological map (Drawing 3).

Before Timmins Gold Resources acquired the Gibson-Moorecamp property in late 1981, the property was held by J. Sauve. During 1980 bulldozing, trenching, blasting and sampling were carried out at several locations. On claim L446557, near the southeast side of Moorecamp Lake on a strong east-west shear zone, a series of quartz veins and lenses were sampled. Values of 0.11 oz/ton and 0.03 oz/ton gold were obtained from random grab samples. Visible gold was reported in blue quartz some 6 feet to the east of the pit/shaft and a grab sample assaying 0.316 oz/ton Au was obtained.

(McLean, 1981)

A parallel structure situated a short distance to the north of the shaft was traced for a length of 20 feet before running beneath the muskeg. This structure is 3 feet wide and the following values were reported by Mr. Sauve from grab samples taken along the exposed length of the zone:

| <u>Sample No.</u> | <u>Gold oz/ton</u> | <u>Silver oz/t</u> |
|-------------------|------------------------|------------------------|
| 1 | 0.05 | 0.05 |
| 2 | 0.82 | 0.09 |
| 3 | 0.02 | trace |
| 4 | 0.07 | 0.03 |

A well mineralized shear zone located approximately one-quarter of a mile east of the shaft zone was blasted and sampled. A value of 0.18 oz per ton gold was reported from a grab sample taken at this location.

An old pit situated approximately one-half mile to the east of the shaft zone, near the creek which joins MacDonald and Moorecamp Lakes, contains vein quartz. A grab sample taken from this location is reported to have assayed 0.384 oz gold and 0.583 oz silver per ton.

Bulldozing at this location has exposed a strong quartz-bearing shear zone reported to be 10 to 15 feet in width, over a length of 100 feet. Grab samples taken along the length of this structure were reported by Mr. Sauve to have assayed as follows: (McLean, 1981)

| <u>Sample No.</u> | | <u>Gold oz/t</u> |
|-------------------|---------------|----------------------|
| 1 | vein material | 0.005 |
| 2 | vein material | 0.60 |
| 3 | rust | 0.02 |
| 4 | vein material | 0.23 |
| 5 | wall rock | 0.63 |

During September, 1981 four diamond drill holes (STG-1, STG 1A, STG-2, STG-2A) were completed for a total footage of 417 feet. The locations of the holes is indicated in the plan of the geological mapping (drawing #3). The following are the best assays from these areas:

DDH STG-1 - 106 feet - no assays

DDH STG-1A - 109 feet - no assays

Trench (0.10 oz/ton Au/0.7 feet

(0.79 oz/ton Au/2.0 feet

and visible gold in quartz vein in trench under which the holes were drilled.

DDH STG-2 - 107 feet

DDH STG-2A - 103 feet

0.2 oz/ton Au/1.0 feet

0.17 oz/ton Au/1.5 feet

0.13 oz/ton Au/2.2 feet

0.14 oz/ton Au/1.5 feet

visible gold in core and in trench under which holes were drilled

In 1982 about 7.5 miles of linecutting, magnetometer and EM-16 surveys were completed by Timmins Gold Resources Ltd. on the Gibson-Moorecamp property. The grid which was used is the same as for the geological survey (see drawing #3)

Results from the magnetometer survey show several major anomalies on the Timmins Gold Resources - Gibson-Moorecamp Lake property.

Several north-south striking diabase dykes have been outlined by the survey and confirmed by later geological mapping. It is suggested by the magnetic pattern that this main dyke (claims 573098 and 507641) has been offset by several east-west trending fault-shear zones. The probable higher percentage of magnetite in the diabase rocks explains the magnetic anomalies.

Results of the survey indicate that displacements on the east-west trending shear zones are probably in the order of about 200-400 feet. This makes it possible to better interpret some of the structure related to the main shear zones which contain Au-bearing quartz-carbonate veins immediately south of Moorecamp Lake.

The electromagnetic survey (EM-16) outlined three weak to moderate strength conductors (see map - drawing #3).

Conductor A (4,000 feet long) and conductor C (2,000 feet long) are generally weakly conductive and are probably largely due to lake-bottom, drainage effect and swamps. Conductor B (800 feet long)

however, is parallel to a shear zone and possibly could represent a shear zone with some sulphides and associated Au-mineralization.

The geophysical surveys were followed by a diamond drilling program consisting of three holes totalling 789 feet during the period March to April, 1982. (The locations for these is given in drawing #3)

DDH XPO2A

Summary of Geological Units

| | |
|---------------------|---|
| 0 - 5.0 | overburden |
| 5.0 - 82.0 | andesite flows (pillowed and massive varieties) |
| 83.0 - 112.0 | tuffs (andesite composition) |
| 112.0 - 141.0 | andesite flows |
| 141.0 - end of hole | |

The trench under which XPO2 was drilled yielded assays of 0.18 oz/ton Au/2.5 feet; 0.17 oz/ton/30 feet and visible gold (near L20E).

DDH XPO3, 3A

Summary of Geological Units

| | |
|----------------|--|
| 0 - 22.0 | overburden |
| 22.0 - 192.0 | andesite flows (mainly pillowed) |
| 192.0 - 247.0 | tuffs (andesite) - altered - cbt + ser + sheared |
| 247.0 - 251.00 | rhyolite |
| 251.0 - 253.3 | quartz vein |
| 253.3 - 307.7 | andesite flows (pillowed) |
| 307.7 - 318.0 | tuffs (andesite) - altered + sheared + cbt + ser |
| 318.0 - 335.00 | andesite flows |
| 335.0 | end of hole |

Summary of Geological Units

| | | | |
|-------|---|-------|---------------------------------|
| 0 | - | 3.0 | overburden |
| 3.0 | - | 141.0 | andesite flows (mainly pillows) |
| 141.0 | - | 172.0 | shear zone |
| 172.0 | - | 220.0 | andesite flows (pillowed) |
| 229.0 | - | 291.0 | andesite flows |
| 291.0 | | | end of hole |

Subsequently, geological mapping of the property was completed by Timmins Gold Resources Ltd. in May, 1983.

E) GENERAL GEOLOGY

Asquith Township is underlain by Early to Middle Precambrian rocks which are overlain by a veneer of Pleistocene and recent deposits.

The Early Precambrian rocks consist of mafic to felsic metavolcanic rocks, mafic to ultramafic intrusives, intermediate to felsic intrusive rocks and diabase dykes. (Carter, 1979.)

Mapping conducted by the author in the area has also shown that komatiitic sequences and various types of pyroclastic and tuffaceous units occur in the township. Middle Precambrian rocks are represented by Nippissing-type diabase.

F) GEOLOGY OF THE GIBSON-MOORECAMP PROPERTY

All the rock types found on the property are of Early Precambrian age (Archean) with the oldest represented by basalts (1) and andesites (2). Locally, sericitic tuffs (2T) are observed and occur within the andesite unit. The volcanic rocks are crosscut by pyroxenite dykes (3) and gabbro-diabase dykes (4).

1) BASALTS

The mafic metavolcanic rocks are characterized by medium to light brown coloured weathered surfaces and medium to dark green fresh surfaces. The basalts consist of massive to schistose flow and pillowed sequences.

The pillows are generally bulbous and range in size from 1 to 3 feet (30 to 90 cm). Tops of the pillows are determined locally where concave surfaces are observed.

Locally, flow and pillow breccias are observed and the breccia zone is usually several inches thick.

The basalts are mainly chloritized which reflects the regional low-grade greenschist facies metamorphism. Locally, the basalts are carbonatized and exhibit a sugary appearance.

2) ANDESITE

The meta-andesites are distinguished from the meta-basalts on the basis of colour, hardness and texture. The andesite has lighter coloured weather and fresh surfaces which are light brown, and light to medium,

green, respectively. The grain size of the andesite is aphanitic to fine-grained. The unit consists mainly of massive flows with minor sequences of pillowed andesite. Locally, the andesite is vesicular. The andesites are generally chloritized and carbonatized.

Locally flow breccias (2fbx) are observed in association with underlying flows. The breccia consists of 60-70% angular to sub-angular, monolithic, comminuted lava fragments that range in size from 0.5 to 3.0 inches (1 to 8cm). The fragments are matrix-supported by a matrix of similar composition to the fragments.

Andesite tuffs (2T) are an important lithology in the vicinity of one of the Au-showing (L8E, 2+00N).

The tuff unit is about 6 feet wide and generally sericitized, carbonatized, schistose and sheared. The tuffs are finely laminated and have a light green weathered surface.

3) PYROXENITE

This unit forms small intrusive bodies and dykes which are intruded into the underlying volcanic rocks and feldspar porphyry. The rock weathers a dark-brown colour with a smooth surface and is black on the fresh surface.

It is aphanitic to medium-grained, massive and equigranular (with some sub-ophitic textures).

The percentage of modal feldspar ranges from less than 10% (pyroxenite) to 10-20% (mafic gabbro). The mafic minerals are pyroxene and hornblende.

4) GABBRO-DIABASE

Northeast to northwest trending diabase dykes cross-cut the meta-volcanic rocks and range in approximate width from 20 to 100 feet (6 to 30 metres). The diabase weathers a red-brown colour and tends to form ridges parallel to the strike of the dyke. The diabase is well-jointed.

Texturally, the diabase is fine to medium grained and exhibits sub-ophitic textures. The rocks consist of 30-50% sericitized-epidotized plagioclase and 50 to 70% chloritized pyroxene.

G. STRUCTURE

The general lack of outcrop in the map area permitted a limited number of foliation and other structural measurements. The general trend of the rocks is east-west. Variations in the directions appear to infer an synclinal and anticlinal

structure which is traceable across the central part of the property units. The general trend of the fold axis is east-west.

Numerous east-west trending shear zones make up one of the main structural features of the geology of the Gibson property. The main shear zone has a maximum width of 50 feet dipping 60° to the south and is traceable over a maximum strike length of 3400-3600 feet.

Many of the other shear zones are much narrower and are traceable only over 200 to 400 feet. Their importance is related to the many Au-bearing quartz veins which are commonly located within the shear zones.

H. ECONOMIC GEOLOGY

The main areas of gold mineralization are related to Au-bearing quartz veins which are hosted within the shear zones. The quartz veins are generally dark-grey in colour and range in width from 6 inches to 2 feet. The main shear zone which cuts across the centre of the property hosts most of the Au-mineralization. In the area of L8E to L12E near the south shore of Moorecamp Lake five parallel vertically dipping quartz veins are found within intercalated and sheared andesite

flows and tuffs. The best assay values from trenches, samples and drill core from this area is

.13 Oz/ton Au/2.2 feet, free gold was also observed in hand specimen and drill core.

Another major area for Au mineralization along the same shear zone is near L 0 at 1+00N. Here a 2' wide dark-grey quartz vein is hosted in shear andesite flows.

The best assay from these trenches, samples and drill holes yielded 0.79 Au/2.0 feet with visible gold in hand sample. The eastern part of shear zone at L20E hosts a 2 foot wide white quartz vein which gave 0.55 oz/ton Au in a grab sample. The shear zone continues further east and through the island near the shore of MacDonald Lake (Drawing #3).

Another gold-bearing quartz vein is located in east-west shear zone near the creek between Moorecamp and Mac Donald Lake (L20E, 6+00N). The best assays from this area gave 0.17 oz. Au/3.0 to visible gold in grab sample. Numerous other east-west shear zones near the shore of Mac Donald Lake host quartz veins and Au-bearing quartz veins (Drawing #3). In particular these areas include the localities on the island in Mac Donald Lake and at the Baseline at 23+00E.

In addition to Au-mineralization strictly related to the quartz veins, Au-assays of 0.01 to 0.13 oz/ton are common in many sections of sheared tuffs and andesites encountered in drilling near L9E at 2+00N (DDH's-XP03, XP04, STG-2,2A).

I. CONCLUSIONS AND RECOMMENDATIONS

The results of geophysical and geological surveys of the Gibson-Moorecamp Lake property by Timmins Gold Resources suggest that the potential to find additional Au-mineralization is excellent.

The EM-16 survey outline three conductors of which two are probably caused by drainage, etc. Conductor B (see map) however, is parallel to two shear zones and could possible represent a shear zone with some sulphides and/or associated Au-mineralization.

The geological mapping together with all the previous sampling, trenching and diamond drilling certainly indicates that the main east-west shear zone is an area of Au-mineralization associated both with Au-bearing quartz veins and within sheared, sericitized and carbonatized andesite tuffs and flows. Samples from surface trenches yielded assays of 0.10 to 0.79 oz/ton Au with some samples containing visible gold. Several other parallel shear zones also appear to contain some gold mineralization.

It is therefore, recommended that a program consisting of detailed EM (vertical or horizontal loop) should be carried out in the area of Conductor B. If results prove positive additional drilling should be carried out since the zone could well represent a shear zone which might contain quartz veins and or additional gold mineralization.

A geochemical soil sampling program covering the areas of the main east-west striking shear zone as well as other known Au-bearing shear zone is recommended. Additional drill targets should result from these surveys.

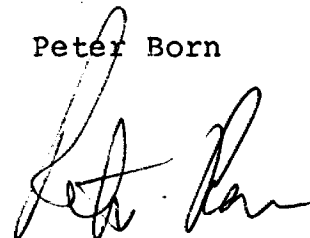
Since all the previous work and sampling suggests there is scattered Au-mineralization with the shear zones, a fairly systematic drill program is also recommended. These drill holes which would be spaced every 400-600 feet along the strike length of the shear zone.

The holes should be drilled that the shear zone is clearly delineated and thoroughly sampled for Au-mineralization.

PB/cb

July 19, 1983

Peter Born



REFERENCES

Carter, M.W.

- 1980 : Geology of Connaught and Churchill Townships, District of Sudbury; Ontario Geological Survey Report 190, 81 p. Accompanied by Geological Map 2414, scale 1:31 680 or 1 inch to 1/2 mile.

Carter, M.W.

- 1979: Asquith Township, District of Sudbury; Ontario Geological Survey Preliminary Map P.2312, Geol. Series., Scale: 1:15 840 or 1 inch to 1/4 mile. Geology 1976.

McLean, P.C.

(Unpublished report to J. Sauv )

- 1981: The Gibson Gold Prospect, Shiningtree area, Ontario

R.B. Stewart

- 1912: The West Shiningtree Gold District, Vol. XXI, part i, 1912, Ont. Bureau of Mines

All Authors - Ministry of Natural Resources, Mining Division

All Years - Work Assessment Files.



2.5719

1984 01 05

Your File: 185

Our File : 2.5719

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Geological Survey on Mining Claims L 446557
et al in the Township of Asquith.

The Geological Survey assessment work credits as listed with my Notice of Intent dated December 9, 1983 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

D. Kinvig:sc

cc: Timmins, Gold Resources Ltd
Scarborough, Ontario

cc: Resident Geologist
Kirkland Lake, Ontario

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



| | |
|------------------|--|
| Recorded Holder | TIMMINS GOLD RESOURCES LTD & 117955 CANADA LIMITED |
| Township or Area | ASQUITH TOWNSHIP |

| Type of survey and number of Assessment days credit per claim | Mining Claims Assessed |
|---|------------------------|
| Geophysical | |
| Electromagnetic _____ days | L 446557 |
| Magnetometer _____ days | 494562 |
| Radiometric _____ days | |
| Induced polarization _____ days | |
| Other _____ days | |
| Section 77 (19) See "Mining Claims Assessed" column | |
| Geological _____ 20 _____ days | |
| Geochemical _____ days | |
| Man days <input type="checkbox"/> Airborne <input type="checkbox"/> | |
| Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> | |
| <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. | |
| <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | |

Special credits under section 77 (16) for the following mining claims

| | |
|---------------------------|---------------------------|
| <u>15 DAYS GEOLOGICAL</u> | <u>10 DAYS GEOLOGICAL</u> |
| L 507641 573098 | L 573086 |

No credits have been allowed for the following mining claims

| | |
|---|--|
| <input type="checkbox"/> not sufficiently covered by the survey | <input type="checkbox"/> Insufficient technical data filed |
|---|--|

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:



Ministry of
Natural
Resources

Dec 28/83

Your file: 185

1983 12 09

Our file: 2.5719

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

JK

D. Kinvig:mc

Encls:

cc: Timmins Gold Resources Limited
117955 Canada Limited
208 - 4900 Sheppard Avenue East
Scarborough, Ontario
M1S 4A7

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1983 12 09

2.5719/185

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



41P11SW0237 2.5719 ASQUITH

traversed (attach a list of claims traversed in the columns.)

900

Type of Survey(s) Geological Township or Area Asquith Twp.
 Claim Holder(s) TIMMINS GOLD RESOURCES LTD. & 117955 CANADA LIMITED Prospector's Licence No. T 1166
 Address 208-4900 Sheppard Ave E, SCARBOROUGH, ONT. M1S 4A7
 Survey Company NAREX ORE SEARCH CONSULTANTS INC. Date of Survey (from & to) 01 Day 05 Mo. 83 Yr. Total Miles of line Cut 7.5
 Name and Address of Author (of Geo-Technical report) PETER BORN - 208-4900 SHEPPARD AVE E, SCARBOROUGH, ONT. M1S 4A7

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

| Special Provisions | Geophysical | Days per Claim |
|---|-------------------|----------------|
| For first survey: Enter 40 days. (This includes line cutting) | - Electromagnetic | |
| | - Magnetometer | |
| | - Radiometric | |
| For each additional survey: using the same grid: Enter 20 days (for each) | - Other | |
| | Geological | 20 |
| | Geochemical | |

| Man Days | Geophysical | Days per Claim |
|---|-------------------|----------------|
| Complete reverse side and enter total(s) here | - Electromagnetic | |
| | - Magnetometer | |
| | - Radiometric | 4 |
| | - Other | |
| | Geological | |
| | Geochemical | |

| Airborne Credits | Days per Claim |
|--|----------------|
| Note: Special provisions credits do not apply to Airborne Surveys. | |

| Mining Claim | | | Mining Claim | | |
|--------------|--------|------------------|--------------|--------|------------------|
| Prefix | Number | Expend. Days Cr. | Prefix | Number | Expend. Days Cr. |
| L. | 446557 | | | | |
| | 494562 | | | | |
| | 507641 | | | | |
| | 573086 | | | | |
| | 573098 | | | | |

RECEIVED

MINING LANDS SECTION

LARDER LAKE MINING DIV.
RECEIVED
 JUL - 5 1983
 AM 7 18 19 10 11 12 1 12 3 4 5 16 PM

See revised state ment work

Expenditures (excludes power stripping)
 Type of Work Performed
 Performed on Claim(s)
 Calculation of Expenditure Days Credits
 Total Expenditures \$ ÷ 15 = Total Days Credits
 Instructions
 Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **5**

Date June 28/1983 Recorder/Holder of Agent (Signature) Peter Born

For Office Use Only
 Total Days Cr. Recorded 100 Date Recorded July 14, 1983 Mining Recorder [Signature]
 Date Approved as Recorded _____ Branch Director _____

Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.
 Name and Postal Address of Person Certifying PETER BORN - 208-4900 Sheppard Ave East, Scarborough, Ont
 Date Certified June 28, 1983 Certified by (Signature) [Signature]



aug 15/83

Mining Lands Comments

max days treatment needed

To: Geophysics

Comments

Approved Wish to see again with corrections

Date Signature

To: Geology - Expenditures

C. Kuska

Comments

Approved Wish to see again with corrections

Date *Oct 3/83* Signature *Kuska*

To: Geochemistry

Comments

L.D.

Approved Wish to see again with corrections

Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

185

1983 08 08

2.5719

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geological Survey submitted under Special Provisions (credit for Performance & Coverage) on Mining Claims L 446557 et al in the Township of Asquith.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

cc: Timmins Gold Resources Limited
117955 Canada Limited
208-4900 Sheppard Avenue East
Scarborough, Ontario
M1S 4A7
Attention: Mr. Peter Born.

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth — include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, (circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

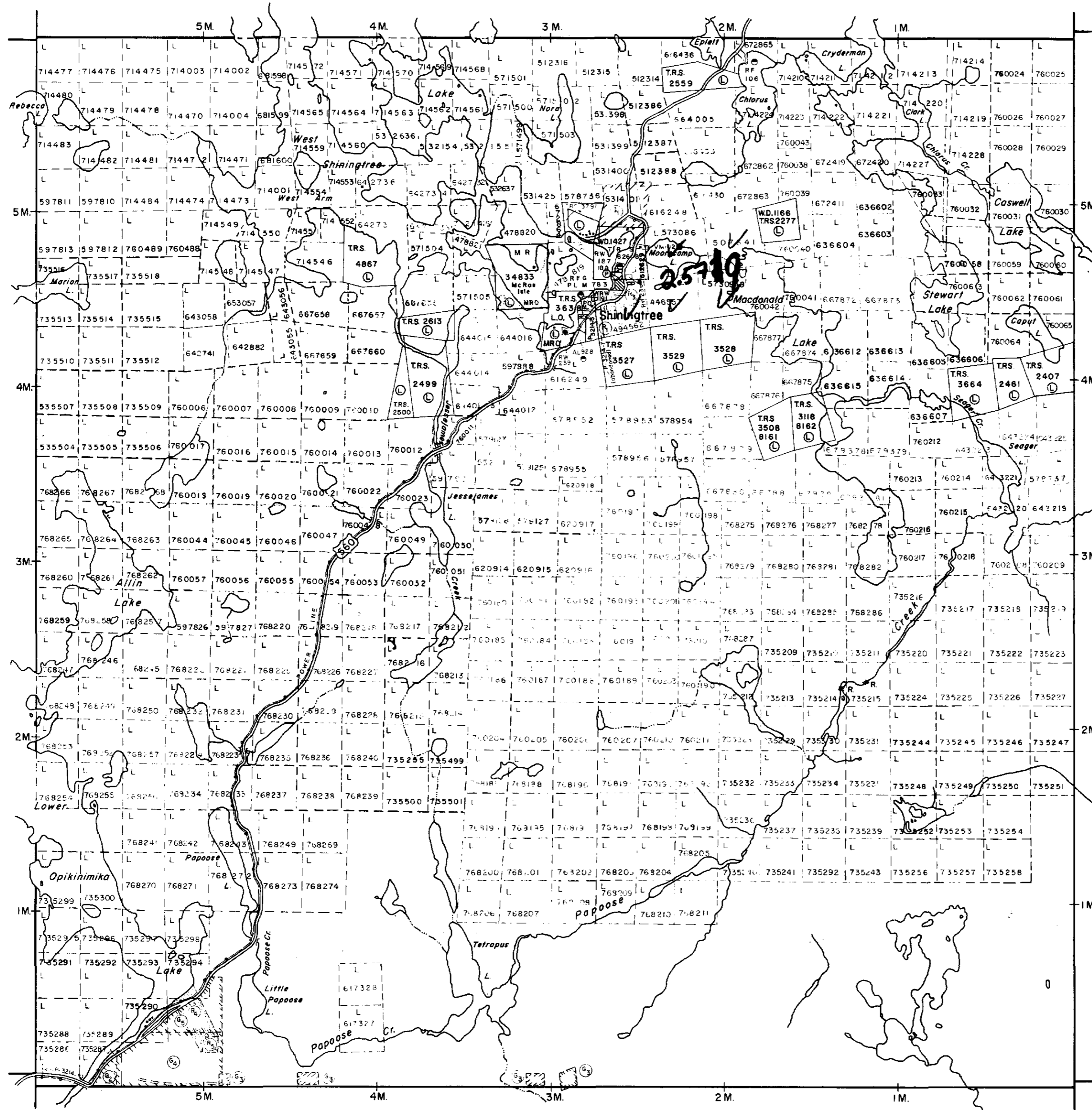
Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

Churchill Twp. - M.719



Miramichi Twp. - M.865

Fawcett Twp. - M.803

Sheard Twp. - M.1107

THE TOWNSHIP OF

ASQUITH

DISTRICT OF SUDBURY

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND ● or (P)
- CROWN LAND SALE C.S.
- LEASES (L)
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED
- PATENTED FOR S. R. O.

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers

| SAND and GRAVEL | RESERVES |
|-------------------------------|--|
| (6) MTC Pit 489 | (R) MNR SRO Reserve File 163003 |
| (7) MTC Gravel Pit No 30-14 | (S) MNR SRO RESERVE FILE 163005 |
| (8) MTC Pit 774 | (W) Waste Disposal Site Buffer Zone 2/9/81 |
| (9) Gravel Pit File 124425 | |
| (10) M.T.C. GRAVEL PIT. 30-14 | |

withdrawn from s taking under Section 11 of the Mining Act (F.S.)

| File | Date | Disposition |
|---------|------|----------------|
| W 51/81 | 8857 | 28/8/81 S.R.O. |

DATE OF ISSUE
NOV 23 1983

PLAN NO.- M.637

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



41P115W0237 2.5719 ASQUITH

