



41P09NE0014 2.13788 BRYCE

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2.13788

EWANCHUCK-MORRIS-SWANSON PROPERTY

REPORT ON GEOLOGICAL SURVEY

Bryce Township

Larder Lake Mining Division

RECEIVED

DEC 19 1990

2.10668
Frederick Swanson

MINING LANDS SECTION

November 1990



41P09NE0014 2.13788 BRYCE

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ASSAY CERTIFICATE

1.0 INTRODUCTION

The "Hill Lake Area" is well known for possessing many significant gold occurrences. One of the best exploration targets in the area is the north-east trending "Palmer-Vaughan-Estival Break" that extends across both Tudhope and Bryce Townships, and has numerous good gold showings along its length. A programme consisting of linecutting, geological mapping, and grab sampling, was performed to locate and evaluate potential gold bearing zones on the Ewanchuck - Morris - Swanson Property, situated on the "Palmer-Vaughan-Estival Break" in Bryce Township.

2.0 LOCATION AND ACCESS

The property is located in lots 10 and 11, concession V, Bryce Township, District of Timiskaming. (41 P/9, N.T.S.) Excellent access is gained from Highway 560 via the maintained, all weather, Hills Lake Road to within 500 metres of the northeastern corner of the claim group. (see fig. 1)

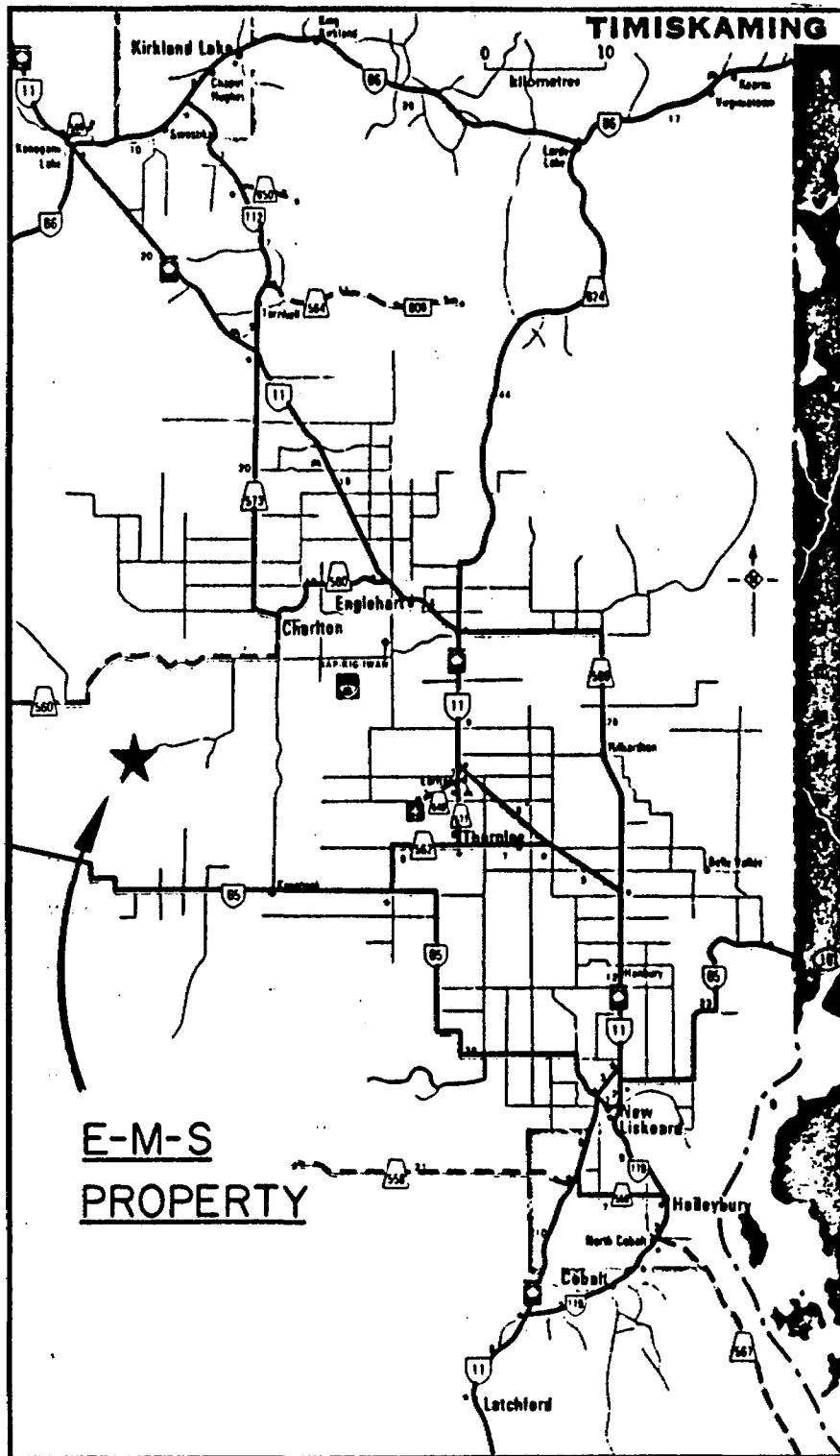
3.0 PROPERTY

The property is held jointly by J. Ewanchuck of New Liskeard, Ontario, J. Morris of Englehart, Ontario and F. Swanson of Grimsby, Ontario.

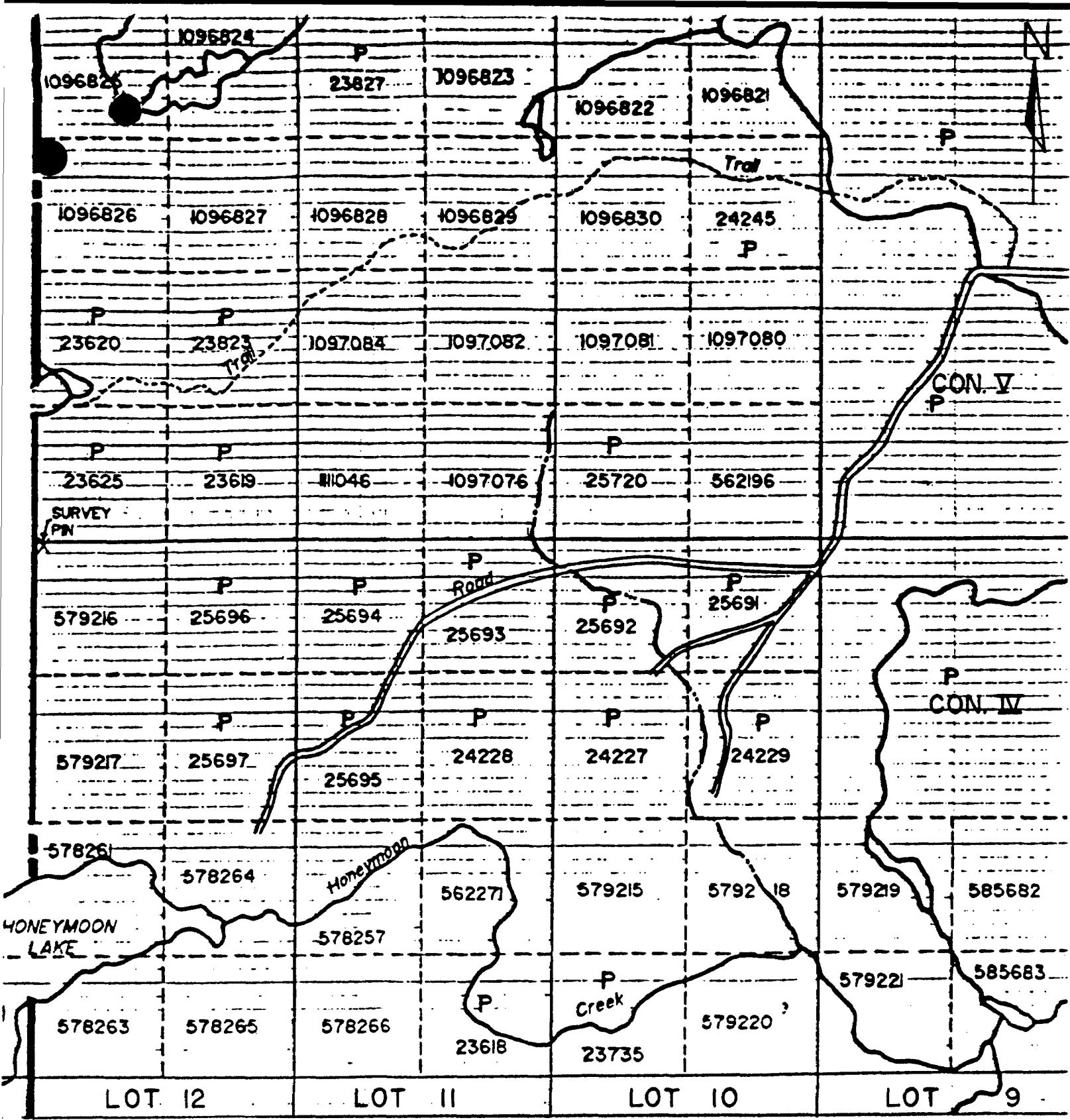
The property consists of 6 unpatented, contiguous, mining claims numbered:

L- 1097076	SE 1/4, S 1/2, LOT 11, CON.V
L- 1097080	NE 1/4, S 1/2, LOT 10, CON.V
L- 1097081	NW 1/4, S 1/2, LOT 10, CON.V
L- 1097082	NE 1/4, S 1/2, LOT 11, CON.V
L- 1097084	NW 1/4, S 1/2, LOT 11, CON.V
L- 1111046	SW 1/4, S 1/2, LOT 11, CON.V

(see fig.2)



PROPERTY LOCATION MAP



CLAIM GROUP MAP
BRYCE TOWNSHIP

1:15 840

fig. 2

4.0 TOPOGRAPHY

The topography of the property is predominantly of a hummocky nature, consisting of outcrop knolls (approx. 50%), with bedrock depressions infilled with deposits of glacial till. A string of beaver ponds and associated marshes cross the central portion of the property in a north-easterly orientation. The southern periphery of the claim group is overlain with glacio-fluvial silt deposits.

Jack pine, poplar, and birch cover areas of higher elevation, while cedar, tag alder, and black spruce cover the lower muskegy areas.

5.0 PREVIOUS WORK

The area first recieved prospecting activity with the influx of prospectors to the region after the discovery of silver at Cobalt, in 1903. This original work was of a modest nature, and more intensive prospecting did not occur until the late 1920s and early 1930s, particularly with the discovery of gold on the Estival Property (Bryce Township) in 1934.

The property lies on ground that was once part of the former Towne - Woolings - Mulholland claim group.

1939: Sylvanite Gold Mines, channel sampling of Towne - Woolings - Mulholland property workings (some of this work was carried out on the present property)

1967:Trihope Mining and Exploration Ltd., completed magnetic, electromagnetic and geological surveys over western parts of the claims.

1972:Consolidated Boeing Holdings and Resources Limited, carried out electromagnetic check surveys on western portions of the claim group.

6.0 GENERAL GEOLOGY

The area geology is described in the Ontario Geological Survey Report 250; "Geology of the Hill Lake Area District of Timiskaming", (1986) as follows:

The area is located along the southern boundary of the exposed Abitibi Greenstone Belt, the meta-volcanic rocks are divided into three groups; the Wabewawa Group, the Catherine Group and the Skead Group. The oldest rocks are found in the Wabewawa Group and consist of interbedded high magnesium tholeiitic basalt, high iron tholeiitic basalt, komatiitic basalt and ultra mafic flows. The group ranges in thickness from 1800 to 3000 metres. The Catherine Group consists of high iron tholeiitic basalt, is 4400 metres thick and conformably overlies the Wabewawa Group. The Skead Group is the youngest of the three groups and conformably overlies the Catherine Group, it is 4480 metres thick and is composed of interdigitated to graded calc-alkalic andesite to dacite, quartz-feldspar porphyry, pyroclastic breccia tuff-breccia, lapilli tuff, lapillistone and tuff.

The meta-volcanics have been intruded by localized gabbros the Skead Group has been intruded by intermediate and felsic porphyries, the largest being the Britcanna Porphyry situated between the Catherine and Skead Groups.

The Round Lake Batholith, composed of foliated, hornblende tonalite, trondhjemite, and granodiorite has intruded the entire meta-volcanic package.

Fine grained lamprophyre dykes and early precambrian diabase dykes intrude the granitic batholith as well as the meta-volcanic rocks.

Middle precambrian Cobalt Group sediments unconformably overlie the meta-volcanic and intrusive rocks. The lower unit Gowganda Formation consists of conglomerate, argillite, arenite, and wacke. These units are overlain by feldspathic arenite containing lenses of pebble conglomerate.

Both the early precambrian meta-volcanics and the middle precambrian sediments have been intruded by Nippissing Diabase sills.

There are at least, two different ages of faults, in the Hill Lake Area.

Compressive forces, created during the intrusion of the early precambrian Hope Lake Stock, may have produced major north-east trending pyritiferous shear zones and faults, like the "Palmer - Vaughan - Estival Break."

LITHOLOGICAL UNITS OF THE HILL LAKE AREA

PHANEROZOIC

CENOZOIC

PLEISTOCENE AND RECENT

Glacial, glaciofluvial, swamp,
lake and stream deposits.

Unconformity

PRECAMBRIAN

MIDDLE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

NIPISSING DIABASE

Diabase, diabase-chilled margins,
aplite and granophyre.

Intrusive Contact

HURONIAN SUPERGROUP

COBALT GROUP

LORRAIN FORMATION

Feldspathic arenite, grit to pebble
conglomerate, and breccia dike.

Conformable Contact

GOWGANDA FORMATION

Matrix-supported conglomerate,
clast-supported conglomerate,
mudstone and wacke, green-grey
argillite, feldspathic lithic arenite,
wacke.

Unconformity

EARLY PRECAMBRIAN

UNMETAMORPHOSED MAFIC INTRUSIVE ROCKS

Diabase, porphyritic diabase.

Intrusive Contact

MAFIC ALKALIC INTRUSIVE ROCKS

Lamprophyre, pebble-bearing lamprophyre.

Intrusive Contact

FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

Tonalite, trondhjemite, granodiorite,
aplite, cataclastic tonalite,
contaminated tonalite to diorite,
tonalite with mafic xenoliths, nylonite.

Intrusive Contact

METAMORPHOSED FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

Quartz porphyry, feldspar porphyry,
quartz-feldspar porphyry, felsite.

Intrusive Contact

METAMORPHIC MAFIC INTRUSIVE ROCKS

Hypersthene diorite, gabbro, porphyritic gabbro,
hornblende gabbro, diabase.

Intrusive Contact

CHARLTON ULTRAMAFIC INTRUSION

Wehrlite, pyroxenite, leucocratic gabbro-norite,
variolitic mafic dike.

Intrusive Contact

METASEDIMENTS

CHEMICAL METASEDIMENTS

Chert, very fine grained felsic tuff.

METAVOLCANICS

ULTRAMAFIC METAVOLCANICS

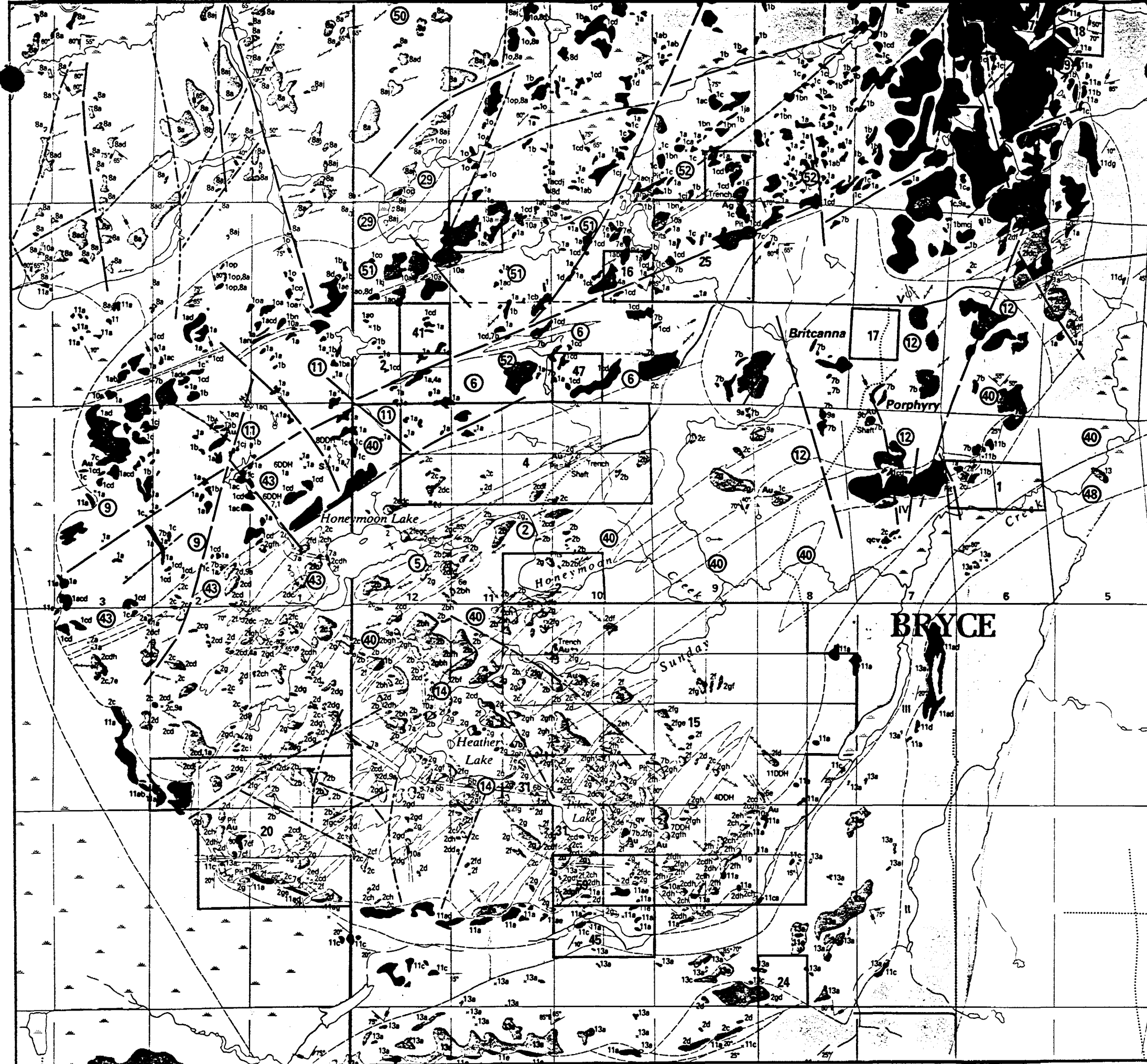
Peridotite, talc-carbonate schist, chlorite schist.

INTERMEDIATE TO FELSIC METAVOLCANICS

Flows, quartz-feldspar porphyry, tuff, lapilli tuff,
lapillistone, tuff-breccia, pyroclastic breccia.

MAFIC METAVOLCANICS

Flows, pillowed flows, amygdaloidal flows,
variolitic flows, black high iron flows,
broken pillow breccia, isolated pillow breccia,
flow breccia, porphyritic flows, amphibolite.



LEGEND

PHANEROZOIC

CENOZOIC*

QUATERNARY

PLEISTOCENE AND RECENT

Glacial, glaciofluvial, swamp, lake and stream deposits.

UNCONFORMITY

PRECAMBRIAN*

MIDDLE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

NIPISSING DIABASE

13 Unsubdivided.
13a Diabase.
13c Diabase chilled margins.
13d Aplite, granophyre.

INTRUSIVE CONTACT

HURONIAN SUPERGROUP

COBALT GROUP

LORRAIN FORMATION

12a Feldspathic arenite.
12b Grit to pebble conglomerate.
12c Breccia dike.

CONFORMABLE CONTACT

GOWGANDA FORMATION

11 Unsubdivided.
11a Conglomerate, matrix supported.
11b Conglomerate, clast supported.
11c Thickly laminated mudstone and wacke.
11d Thickly laminated green-gray mudstone and shale.
11e Feldspathic lithic arenite.
11g Wacke.

UNCONFORMITY

EARLY PRECAMBRIAN

UNMETAMORPHOSED MAFIC INTRUSIVE ROCKS

10a Diabase.
10b Porphyritic diabase (feldspar phenocrysts).

INTRUSIVE CONTACT

MAFIC ALKALIC INTRUSIVE ROCKS

9a Lamprophyre.
9b Pebble-bearing lamprophyre.

INTRUSIVE CONTACT

FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

8 Unsubdivided.
8a Tonalite, trondhjemite.
8b Granodiorite.
8d Aplite.
8f Cataclastic tonalite.
8g Contaminated tonalite, diorite.
8h Tonalite with mafic metavolcanic xenoliths.
8j Mylonite.

INTRUSIVE CONTACTS

METAMORPHOSED FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

7 Unsubdivided.
7a Quartz porphyry.
7b Feldspar porphyry.
7c Quartz-feldspar porphyry
7e Felsite.
7f Carbonatized.

INTRUSIVE CONTACT

METAMORPHOSED MAFIC INTRUSIVE ROCKS

6 Unsubdivided.
6a Hypersthene diorite.
6b Gabbro.
6c Porphyritic gabbro (feldspar phenocrysts).
6d Hornblende diorite.
6e Diabase.

INTRUSIVE CONTACT

CHARLTON ULTRAMAFIC INTRUSION

5a Wehrlite.
5c Pyroxenite.
5d Leucocratic gabbro-norite.
5e Carbonatized.
5f Serpentinized.
5g Vanolitic mafic dike.

INTRUSIVE CONTACT

METASEDIMENTS*

CHEMICAL METASEDIMENTS*

4a Chert and very fine grained felsic tuff.

METAVOLCANICS

ULTRAMAFIC METAVOLCANICS*

3 Unsubdivided.
3a Massive pentotite.
3c Scinifex texture.
3d Calc-carbonate schist.
3e Chlorite schist.
3f Tremolite.
3g Carbonatized.

INTERMEDIATE TO FELSIC METAVOLCANICS*

2 Unsubdivided.
2a Massive lava.
2b Porphyritic lava (feldspar and quartz phenocrysts).
2c Tuff.
2d Lapilli-tuff.
2e Lapillistone.
2f Tuff breccia.
2g Pyroclastic breccia.
2h Carbonatized.
2j Amphibolitized, hybridized.

MAFIC METAVOLCANICS*

1 Unsubdivided.
1a Massive fine-grained lava.
1b Massive medium-grained lava.
1c Flowed lava.
1d Amygdaloidal lava.
1e Vanolitic lava.
1g Back high iron mafic lava.
1h Scinifex texture.
1j Broken pillow breccia.
1k Isolated pillow breccia.
1m Flow breccia.
1n Porphyritic flow (amphibole phenocrysts).
1o Amphibolite.
1p Metamorphic layering.
1q Carbonatized.
1r Xenoliths of intermediate tuffaceous material.
1s Ecotized mafic flows.

Ontario Geological Survey

Map 2501

HILL LAKE

TIMISKAMING DISTRICT

Scale 1:31,680 or 1 Inch to 1/2 Mile

Johns, G.W., Hoyie, Warren and Good, David
1985. Hill Lake: Ontario Geological Survey Map 2501, Precambrian Geology series, scale 1 inch to 1/2 mile. Geology 1980.

figure 4

E-M-S PROPERTY - BRYCE TWP.

The most predominant structural feature in the area, is the north-west trending ,Cross Lake Fault. This structure is middle precambrian in age, and is associated with the Timiskaming Rift Valley.(see figs. 3,& 4)

7.0 LINECUTTING

A control grid of lines was cut on the property by the writer and J.Ewanchuck (property co-owner) between the dates of July 2, 1990 and September 9, 1990.

An east-west oriented baseline, 1600 metres in length was cut along the northern boundary of the property, with 100 metre spaced transect lines cut south from the baseline to the southern boundary of the claim group. The lines were chained and picket stations placed at 25 metre intervals for a total of 11.2 line kilometres. (see figure 5)

8.0 PROPERTY GEOLOGY

A geological survey was carried out on the claim group, by the writer, between the dates of September 16, 1990 and September 21, 1990.

The claim group is underlain predominantly by mafic metavolcanic rocks consisting of, massive fine-grained flows, massive medium-grained flows, pillowed flows, and amygdaloidal flows. Disseminated blebs of pyrite (<5%) are ubiquitous throughout these rock types.

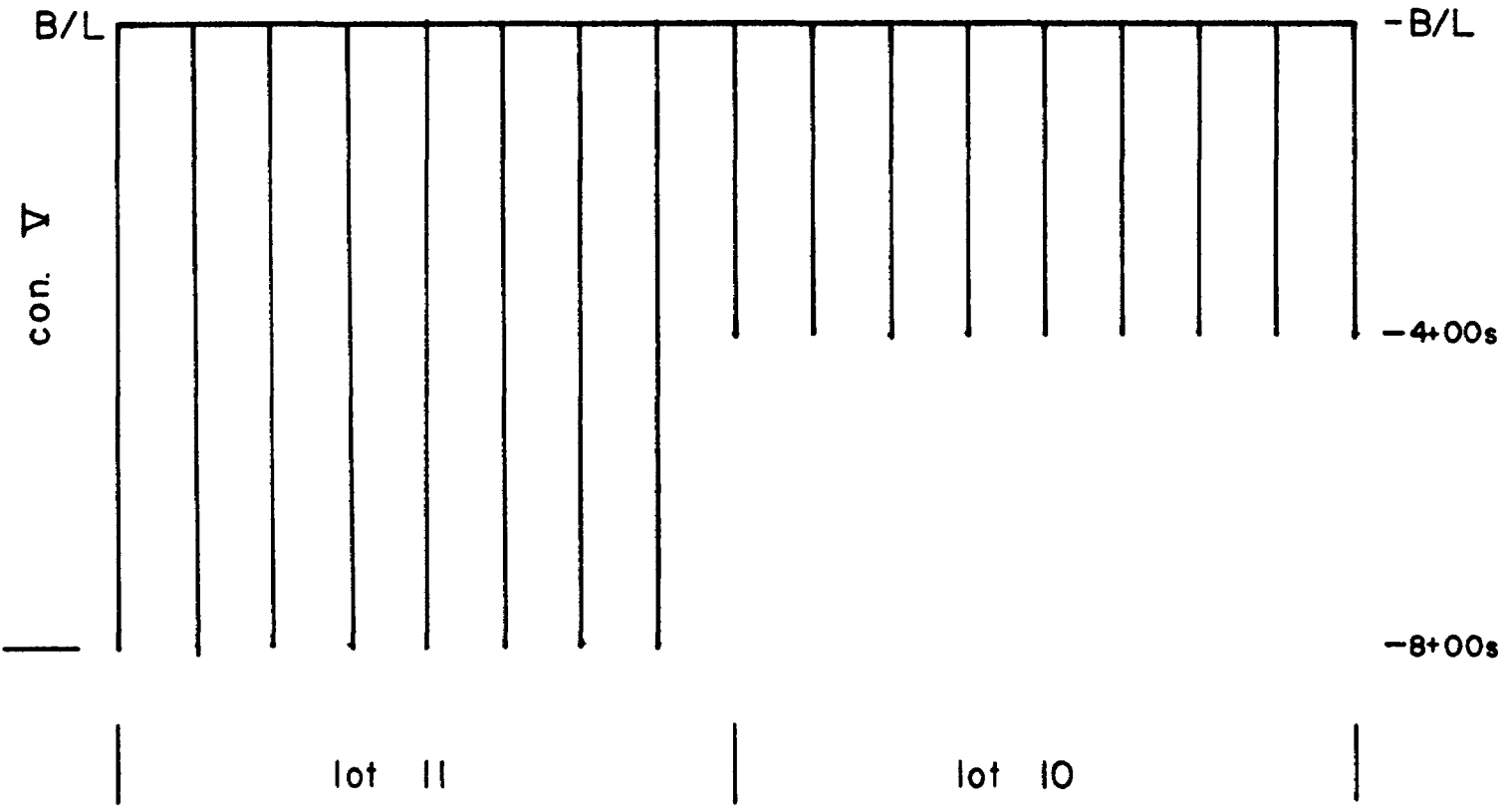
Numerous outcroppings of feldspar porphyry were located along the central part of the property, although the majority of this area is covered with overburden, swamp, and beaver ponds, these exposures of feldspar porphyry are interpreted to be one large dike like body. Two other exposures of feldspar porphyry were located on the claim group, one at approximately 12+25 W, baseline and the other at 11+00 W, 1+25 S, both of these exposures appear to be narrow dike like bodies oriented approximately N.60-70°E., parallel to the local geological fabric.

A narrow 10 inch wide lamprophyre dike striking N.35°W. was located in the north-east corner of claim L-1097080.

Three well defined lineaments cross the property, the most pronounced lineament strikes N.60-70°E and lies along the north side of the string of beaver ponds, this feature is interpreted to be the "Palmer-Vaughan-Estival Break"(a major Au bearing structure that has been traced for over 4 miles across both Tudhope and Bryce Townships). This fault was not substantiated in the field due to the topographic depression associated with this structure, and subsequent overburden



16+00 W
15+00 W
14+00 W
13+00 W
12+00 W
11+00 W
10+00 W
9+00 W
8+00 W
7+00 W
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00



LINECUTTING - CONTROL GRID MAP

BRYCE TWP

1cm. = 100metres

1:10 000

fig. 5

E-M-S PROPERTY - BRYCE TWP.

deposits. Although most of the metavolcanic flows on the property are massive in nature, exposures located in the vicinity of this lineament, however, have a persistent foliation striking approximately N.50°E.

Another lineament appears to originate on the claim group as a splay off of the "Palmer-Vaughan-Estival Break" and strikes NNE through Mearow Lake in Robillard Township. A narrow rusty shear zone striking approximately N.40°E., located just east of line 11+00E, 2+25 S, tends to corroborate this interpretation.

A pyritiferous shear zone striking N.50°E. is exposed in a series of old workings located at line 12+00 W., 0+25 S., these trenches, having been dug into the overburden have caved in and are water filled, they require extensive cleaning to be properly evaluated, however, the shear zone appears to cut off a quartz vein that strikes approximately perpendicular to the shear zone. This structure appears to line up with, and is interpreted to be an extension of the Au bearing shear zone (formerly the Fatima Mining Company Limited property) in Tudhope Township.

9.0 GRAB SAMPLES

Grab samples were taken during the geological survey at any mineralized, or favorable location, for gold deposition. A total of 19 grab samples were taken, the samples returned assay values as follows:

<u>Sample #</u>	<u>Au oz/ton</u>	<u>Location (grid co-ordinate)</u>
BT-1	0.016	(0+00, 1+95 S)
BT-2	0.004	(2+00 W, 1+75 S)
BT-3	0.004	(6+00 W, 0+75 S)
BT-4	trace	(8+90 W, 2+25 S)
BT-5	trace	(9+00 W, 2+90 S)
BT-6	0.094	(14+15 W, 1+10 S)
BT-7	0.006	(14+15 W, 1+10 S)
BT-8	0.134	(14+15 W, 1+10 S)
BT-9	0.008	(14+15 W, 1+10 S)
BT-10	trace	(13+00 W, 2+85 S)
BT-11	0.002	(10+90 W, 2+30 S)
BT-12	0.006	(10+90 W, 2+30 S)
BT-13	0.002	(10+90 W, 2+30 S)
BT-14	trace	(12+00 W, 5+05 S)
BT-15	trace	(12+10 W, 0+15 S)
BT-16	trace	(12+10 W, 0+15 S)
BT-17	trace	(12+10 W, 0+15 S)
BT-18	trace	(12+10 W, 0+15 S)
BT-19	0.004	(10+90 W, 2+30 S).

10.0 CONCLUSIONS AND RECOMMENDATIONS

The geological survey was successful in establishing that the claim group is predominantly underlain by early precambrian mafic metavolcanic rocks.

A large dike like body of feldspar porphyry was located on the property, with a north-east trending orientation. This body appears to have intruded along the "Palmer-Vaughan-Estival break", that cuts through the property and extends east across the northern contact of the Britcanna Porhyry Intrusion.

Three fault-lineaments are interpreted to cross the property, including the above mentioned "Palmer-Vaughan-Estival-Break", that is known to host high grade gold showings along its strike length, on nearby properties. As well as another parallel trending shear zone that lines up with, and is believed by the writer, to be the eastern extension of a gold bearing structure located in Tudhope Township. It is thought that these north-east trending shear zones may have acted as conduits, tapping Au mineralizing fluids during the emplacement of the large Britcanna Porphyry Intrusive.

Gold enrichment was confirmed on the property during the grab sampling program, the poor condition of the old workings made sampling and examination difficult, samples returned values ranging from trace to 0.134 oz/ton Au.

The linecutting provided control for the geological survey and grab sampling program, and will serve as control for future work on the property.

It is recommended that a programme of cleaning and freshening up of the old workings, combined with detailed mapping and sampling be carried out in order to properly evaluate these zones.

Geochemical soil and humus samples should be taken in an attempt to locate gold bearing zones buried under the overburden. Special interest should be given to sampling on top of and "down ice" of the fault-lineaments described above, in order to detect any areas of higher gold concentration that may occur along these structures.

Geophysical surveys may prove valuable in tracing these mineralized shear zones and detecting any offsets that may have occurred as a result off cross faulting.

11.0 CERTIFICATE OF QUALIFICATIONS

I, Frederick J. Swanson of 351 Book Road Grimsby, Ontario,
do hereby certify that:

- I. I am a graduate of Brock University and hold a B.Sc.
degree in geological sciences (1984).

- II. I personally conducted the fieldwork herein.

12.0 REFERENCES

Burke, D.K.

1939: Report on Towne-Woolings-Mulholland Claims Bryce and Tudhope Townships for Sylvanite Gold Mines Limited. (Resident Geologist files, Cobalt).

Gledhill, T.

Report on Geophysical Survey, Prospecting and Drilling Programme; Consolidated Boeing Holdings and Resources Limited, Bryce and Tudhope Twps. (Resident Geologist files, Cobalt).

Gordon, J.B., Lovell, H.L., de Grijs, Jan, and Davie, R.E.

1979: Gold Deposits of Ontario Part 2: Part of District of Cochrane, Districts of Muskoka, Nipissing, Parry Sound, Sudbury, Timiskaming, and Counties of Southern Ontario; Ontario Geological Survey, Mineral Deposits Circular 18, 253 p.

Johns, G.W.

1986: Geology of the Hill Lake Area, District of Timiskaming; Ontario Geological Survey Report 250, 100p. Accompanied by map 2501, scale 1:31680

Johns, G.W., Hoyle, Warren, and Good, David

1981: Precambrian Geology of the Hill Lake Area, Bryce and Robillard Townships, Timiskaming District; Ontario Geological Survey Preliminary Map P.2415, Geological Series, Scale 1:15840 or 1 inch to 1/4 mile. Geology 1980.

Moorhouse, W.W.

1944: Geology of The Bryce-Robillard Area; Ontario Department of Mines Vol. L, Part IV, 1941. Accompanied by map 50j, scale 1 inch to 1/2 mile.

APPENDIX



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187,
POJ 1K0

HAILEYBURY, ONTARIO

TEL: 672-3107
FAX: (705) 672-5843

Certificate of Analysis

NO. 0765

DATE: September 25, 1990

SAMPLE(S) OF: Rock (29)

RECEIVED: September 1990

SAMPLE(S) FROM:
Mr. John Ewanchuk, New Liskeard

<u>Sample #</u>	<u>Oz. Gold</u>	<u>Cu ppm</u>
BT-1	0.016	
2	0.004	
3	0.004	
4	Trace	
5	Trace	
6	0.094	
7	0.006	
8	0.134	
9	0.008	
10	Trace	
11	0.002	
12	0.006	
13	0.002	
14	Trace	
15	Trace	
16	Trace	
17	Trace	
18	Trace	
19	0.004	1020



Handwritten number 26

Report of Work
(Geophysical, Geological and Geochemical Surveys)
2.13788

900

Type of Survey(s) Geological	Mining Division Larder Lake	Township or Area BRYCE Twp
Recorded Holder(s) JAMES MORRIS	P.O. Box 248	Prospector's Licence No. K-20143
Address ENGLEHART, ONTARIO		Telephone No. RES - (705) 544-2252 BUS - (705) 544-8059
Survey Company F. Swanson Geological Contracting.		
Name and Address of Author (of Geo-Technical Report) FRED SWANSON 351 Book Rd GRIMSBY, ONT.		Date of Survey (from & to) 16 09 90 Day Mo Yr

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	
For each additional survey using the same grid: Enter 20 days (for each)	- Other Geological Geochemical	40
Man Days Complete reverse side and enter total(s) here	Geophysical - Electromagnetic - Magnetometer - Other Geological Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic Magnetometer Other	

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
L	1097076				
L	1097080				
L	1097081				
L	1097082				
L	1097084				
L	1111016				

RECEIVED
NOV 26 1990

MINING LANDS SECTION

Total miles flown over claim(s):
Date **Oct 24 90** Recorded Holder or Agent (Signature) *Fred Swanson*

Total number of mining claims covered by this report of work: **6**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true

Name and Address of Person Certifying
FRED SWANSON 351 Book Rd GRIMSBY, ONT.
Telephone No. **(416)-545-4320** Date **Oct 29, 90** Certified By (Signature) *Fred Swanson*

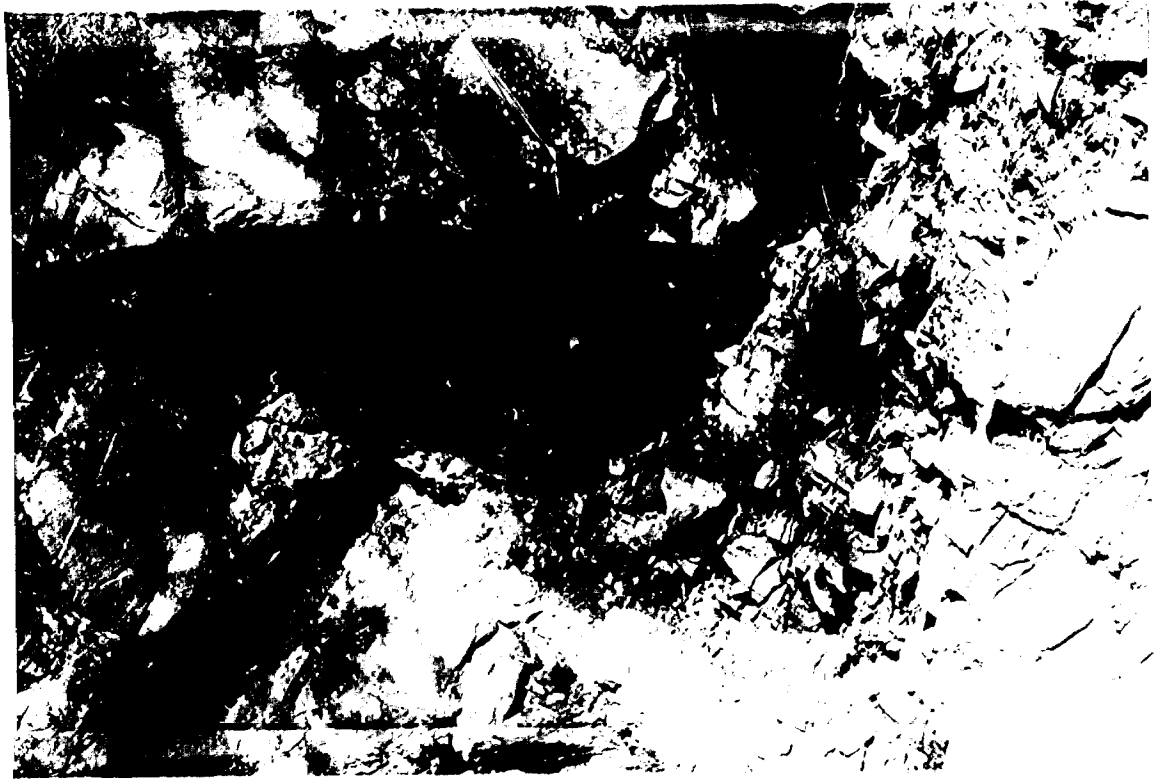
For Office Use Only

Total Days Cr. Recorded 240	Date Recorded Oct 26/90	Mining Recorder <i>J. Bennett</i>
Date Approved as Recorded Feb 25, 1991	Provincial Manager, Mining Lands <i>John C. Gosh...</i>	

RECEIVED
LARDER LAKE
MINING DIVISION
OCT 26 1990
TIME *8:21 am*









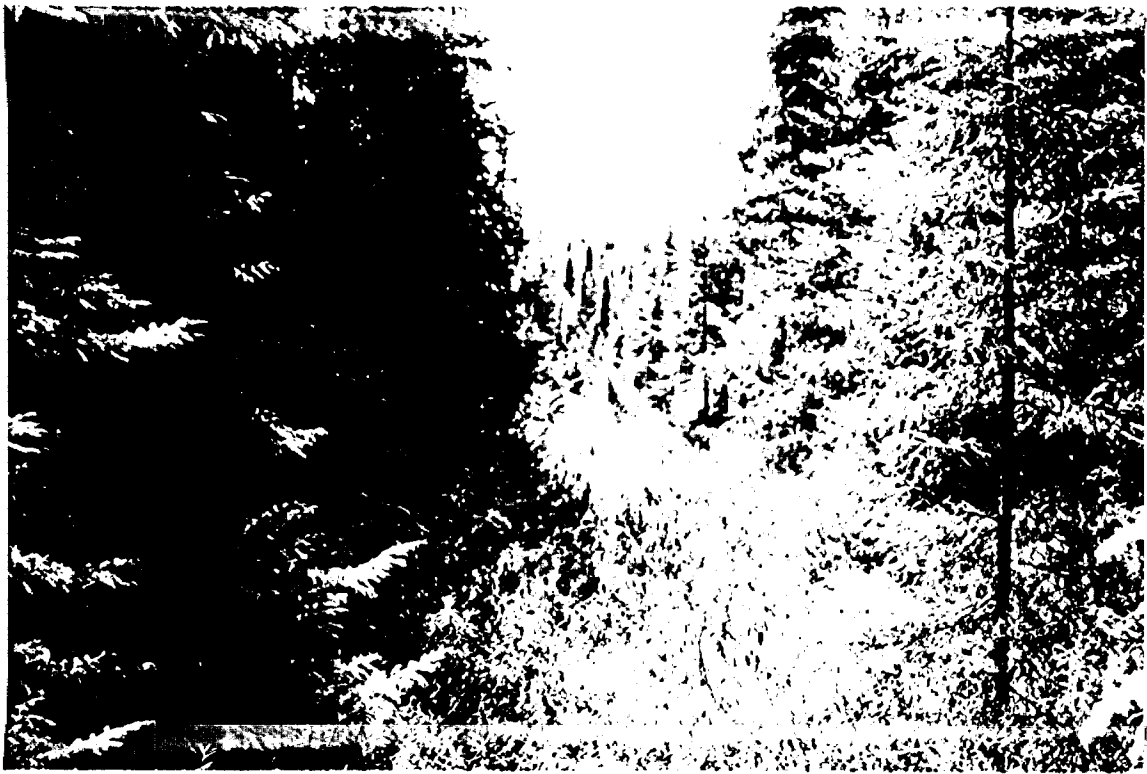
































TOWNSHIP TO
FORESTRY OPERATIONS

ROBILLARD TWP M - 579

geology reference-COBALT
RESIDENT GEO.

THE TOWNSHIP

III

BRYCE

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1 INCH 40 CHAINS

TUDHOPE TWP, M - 252

VI

V

IV M - 412

III

II

BEAUCHAMP TWP, M - 412

LEGEND

- PATENTED LAND ● or (P)
- CROWN LAND SALE C.S
- LEASES (L)
- LOCATED LAND LUC
- 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 MUSKEL
- MINES X
- CANCELLED
- PATENTED S.R.O

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Areas withdrawn from staking under Section 33 of the Mining Act ()

File	Date	Disposition
(R1)		Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W.65/83
(R2)		Surface and Mining Rights Withdrawn from Staking, section 36/80 order No. W.18/89

SURFACE AND MINING OPEN FOR STAKING
SECTION 36/80 APRIL 14/1990 ORDER O-L9-90 NER

NOTICE OF FORESTRY ACTIVITY

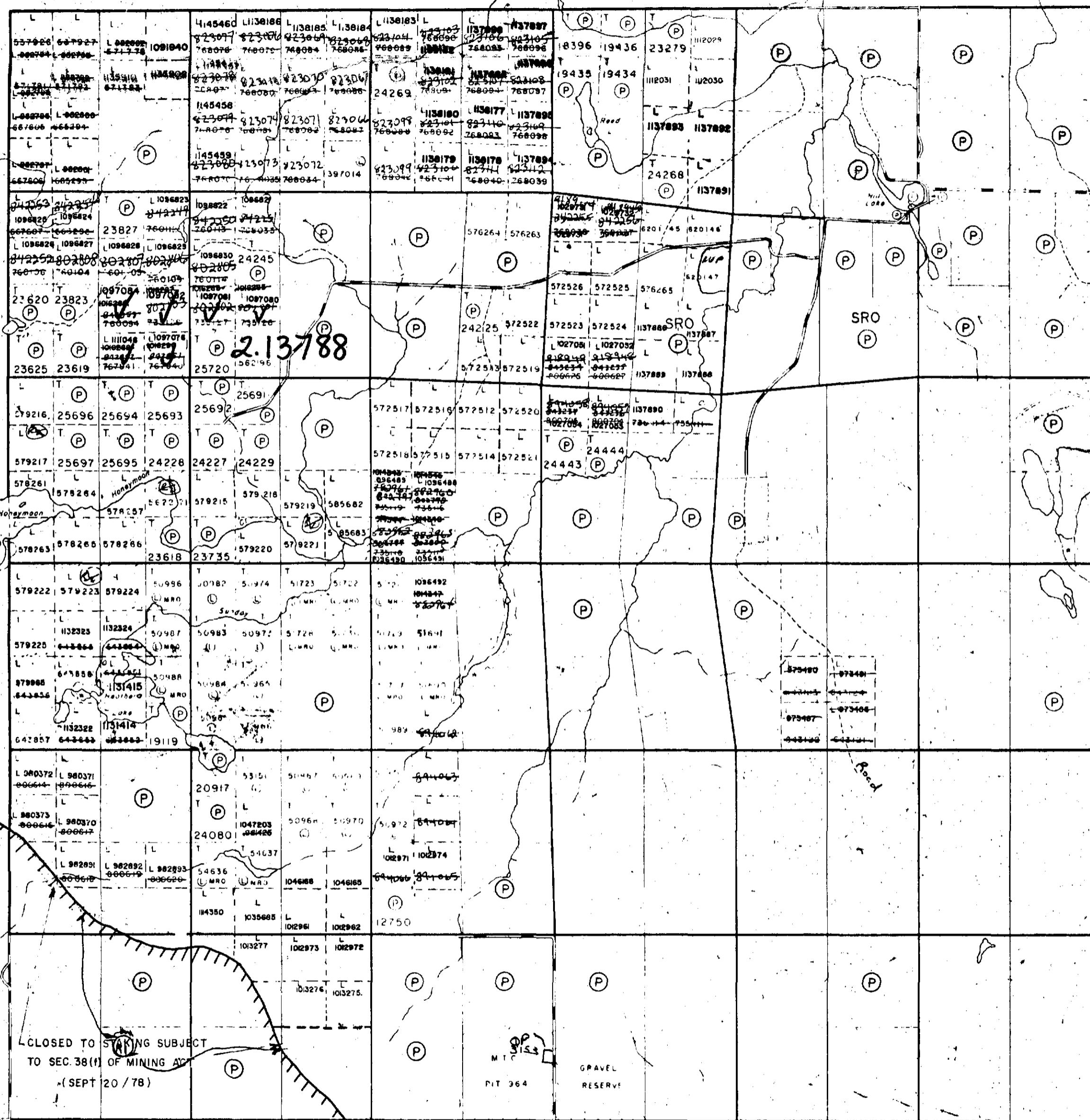
THIS TOWNSHIP / AREA FALLS WITHIN THE _____
TIMISKAMING MANAGEMENT UNIT
AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129
SWASTIKA, ONT.
POK ITO 10110505
705-642-3222

DATE OF ISSUE

SEP 17 1980

LARDER LAKE PLAN NO. M-282 #28
MINING RECORDER'S OFFICE

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



CLOSED TO STAKING SUBJECT
TO SEC 38(1) OF MINING ACT
(SEPT 20 / 78)

PIT 364
GRAVEL RESERVE

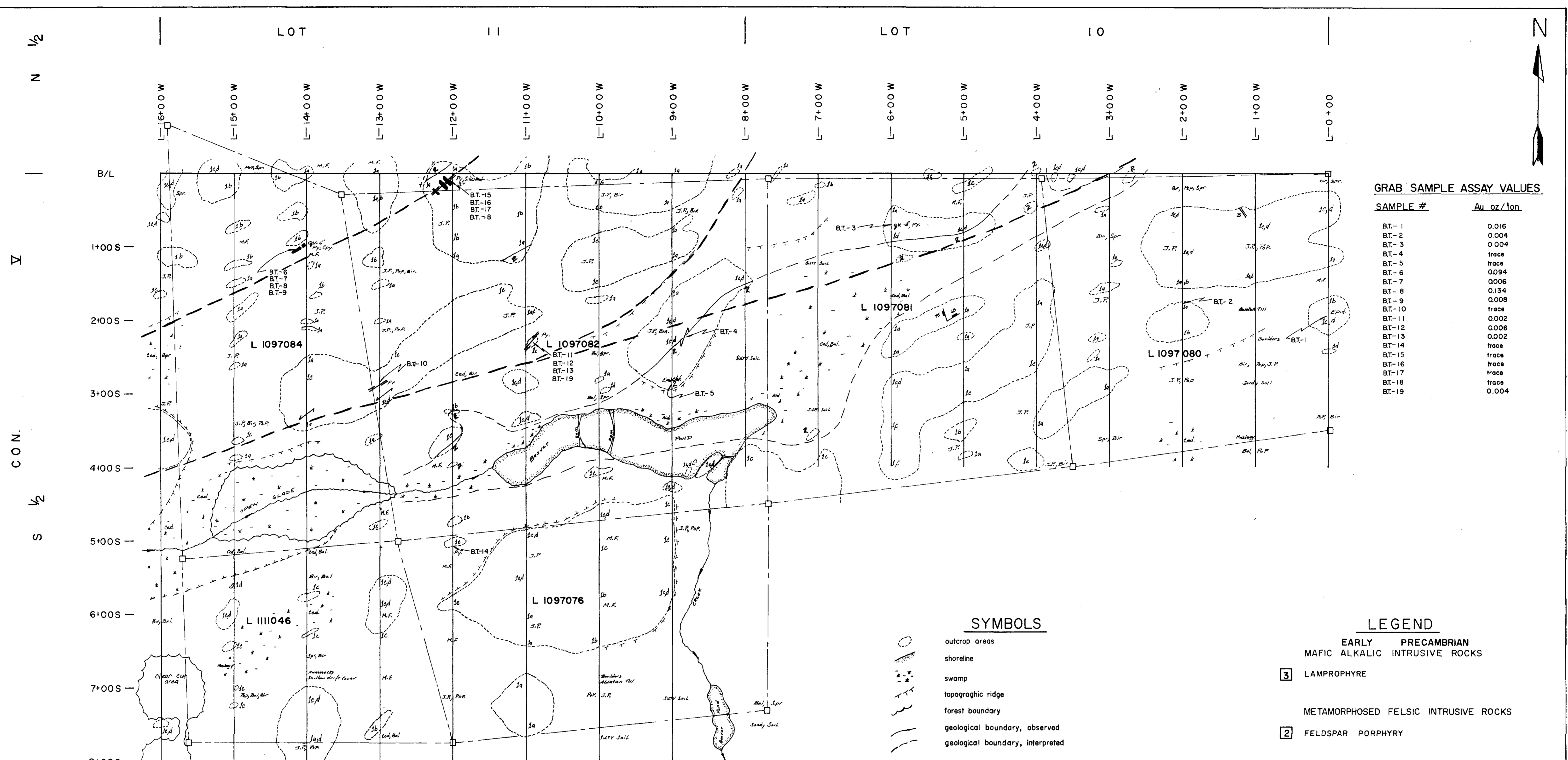


41P09NE0014 2.13788 BRYCE

200

SUBJECT OF CURRENT

CANE TWP M - 211



GRAB SAMPLE ASSAY VALUES

SAMPLE #	Au oz./ton
BT-1	0.016
BT-2	0.004
BT-3	0.004
BT-4	trace
BT-5	trace
BT-6	0.094
BT-7	0.006
BT-8	0.134
BT-9	0.008
BT-10	trace
BT-11	0.002
BT-12	0.006
BT-13	0.002
BT-14	trace
BT-15	trace
BT-16	trace
BT-17	trace
BT-18	trace
BT-19	0.004

- SYMBOLS**
- outcrop areas
 - shoreline
 - swamp
 - topographic ridge
 - forest boundary
 - geological boundary, observed
 - geological boundary, interpreted
 - Shearing
 - foliation
 - jointing, inclined, vertical
 - exploration trenches
 - claim post
 - fault; assumed

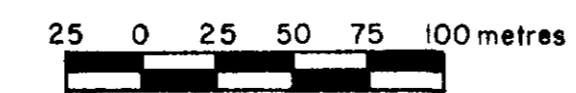
- LEGEND**
- EARLY PRECAMBRIAN MAFIC ALKALIC INTRUSIVE ROCKS
 - 3** LAMPROPHYRE
 - METAMORPHOSED FELSIC INTRUSIVE ROCKS
 - 2** FELDSPAR PORPHYRY
 - MAFIC METAVOLCANICS
 - 1** 1a MASSIVE, FINE-GRAINED LAVA
 - 1b MASSIVE, MEDIUM-GRAINED LAVA
 - 1c PILLOWED LAVA
 - 1d AMYGDALOIDAL LAVA

ABBREVIATIONS

cpy.	chalcopyrite
chl.	chlorite
epid.	epidote
py.	Pyrite
qv.	quartz vein
ald.	alder
bal.	balsam
bir.	birch
ced.	cedar
J.P.	Jack pine
m.f.	mixed forest
pop.	poplar
spr.	spruce

2.13788

GEOLOGY	
E. M. S. - PROPERTY	
BRYCE	TOWNSHIP
SCALE - 1:2500	DATE - OCTOBER, 1990
DRAWN BY - F. SWANSON	FIGURE - 6



ON.

