



31C15NW003 2.15715 CLARENDON

010

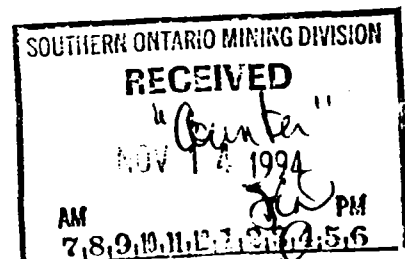
2.15715

REPORT ON INITIAL ROCK SAMPLING AT THE JAMES OCCURRENCE,  
JAMES LAKE PROPERTY, CLARENDON TOWNSHIP,  
SOUTHEASTERN ONTARIO.

Prepared by:

Brian J. Christie  
5 James Street  
Brooklin, Ontario  
LOB 1C0  
(905)-655-5984

November 10, 1994



## JAMES LAKE PROPERTY

### Summary

The James Lake property consists of eight mining claims, covering 200 hectares in Clarendon Twp., southeastern Ont. (NTS:31C/15). The property is underlain by a Proterozoic aged sequence of carbonate and clastic metasediments which contains significant occurrences of gold, Zn-Pb, and sillimanite.

Six samples were collected on November 15, 1992, confirming the presence of significant gold, silver, and copper mineralization at the James Occurrence.

## **I. INTRODUCTION**

### **Scope**

This report documents the collection and subsequent analysis of six rock samples from the James Lake property. The samples were collected by the Author on November 15, 1992.

### **Location and Access**

The property is located in the north-central portion of Clarendon Township, about 90 km northeast of Belleville, and 230 km northeast of Toronto, Ont., in NTS area 31C/15 (Figure 1). The claims are located along an Ontario Hydro power transmission line, a hydro access road, passable by car, traverses the property (Figure 2).

### **Property Status**

The property consists of three mining claims (SD 1191202-1191204; totalling 8 units) which cover a surface area of about 200 hectares (Figure 2). The claims are 100% owned by Brian J. Christie of 5 James Street, Brooklin, Ontario, L0B 1C0. All of the claims have enough assessment work filed to keep them in good standing until August 24, 1997. Claim status is summarized in Table 1.

### **Exploration History**

Pre 1949: Shaft sinking on the James Occurrence by an unknown operator.

1949-51: Clarendon-Dalhousie area mapped by the Ont. Dept. of Mines.

1976: Lake sediment sampling in the Clarendon area by the GSC and the Ont. Dept. of Mines. Anomalous levels of Zn, Cu, As, Mo, and Hg were detected in James Lake and Little Green Lake.

1978: St. Joseph Exploration carried out geological mapping and 'B' horizon soil sampling on the James Lake claims. Several coincident Zn-Pb soil anomalies were detected.

1980: OGS remapped the Ardoch area, which includes the James Lake Property. Update of 1949-51 Ont. Dept. of Mines survey.

1980: Selco Mining carried out a VLF-EM and magnetic survey on the claims and drilled a 41.8 m hole to test a soil anomaly east of Little Green Lake (Figure 3). The hole contained calcitic marble with stringers of sphalerite which yielded 2.68% zinc over 2.28 m.

1984: Roger Young drilled a 120 m hole on claim EQ 673434, north of Little Green Lake, to evaluate the potential of the sillimanite gneiss unit along strike from the James Lake Property (Figure 3). The hole contained a 1.5 m section grading 1.1 g/t Au.

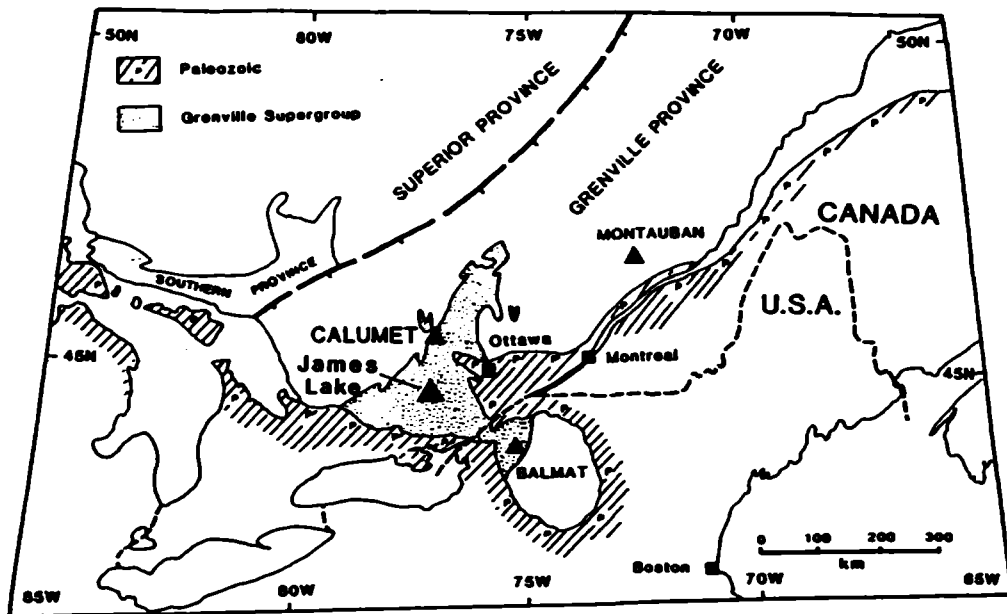


Figure 1. Location of the James Lake Property and other significant zinc-lead deposits in the Grenville Province.

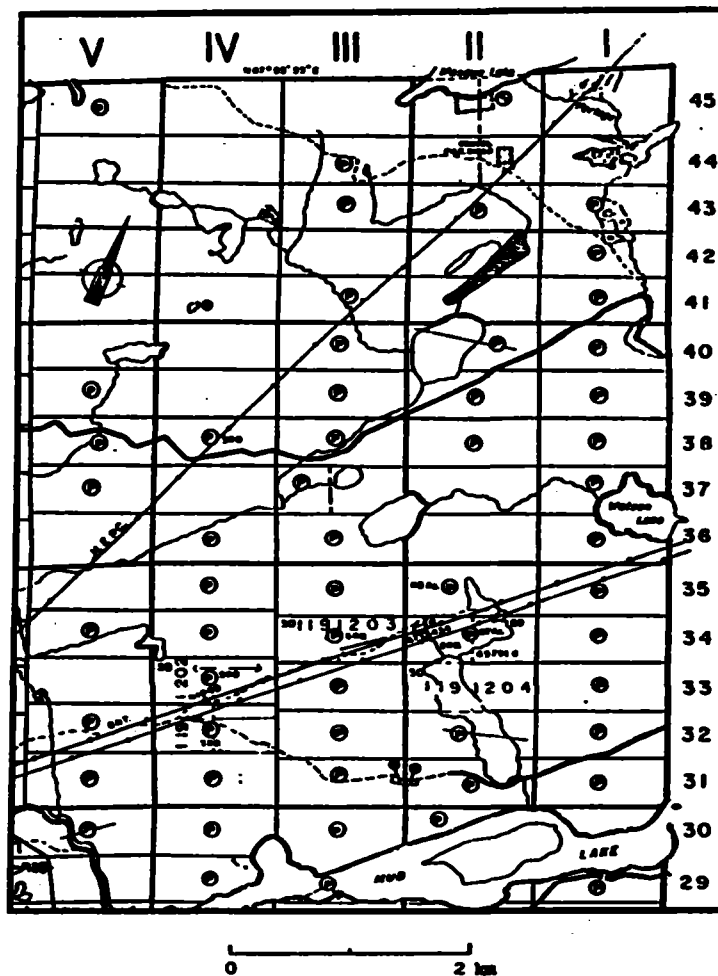


Figure 2. Claim map showing the location of the James Lake Property, Clarendon Township, Ontario (claims are outlined in red).

Table 1. James Lake Property Claim Status

Claim #	Units	Recording Date	Value of Assessment Work on File	Anniversary Date
SO 1191202	4	Aug. 27, 1992	\$4,800	Aug. 27, 1997
SO 1191203	2	Aug. 27, 1992	\$2,400	Aug. 27, 1997
SO 1191204	2	Aug. 27, 1992	\$2,400	Aug. 27, 1997

Reserve: \$224



# Legend for Figure 3.

PHANEROZOIC  
CENOZOIC  
QUATERNARY  
PLEISTOCENE AND RECENT  
1st gravel sand organic deposits alluvium

UNCONFORMITY

PRECAMBRIAN

ORENILLE SUPERGROUP  
FLINTON GROUP<sup>1</sup>

Ferruginous formation

13a Biotite - carbonate schist

Myer Cave Formation<sup>2</sup>

12a Graphite + pyrite schist

12b Marble, dolomitic marble and interlayered

graphite + pyrite schist and pelitic schist

12c Carbonate clast metaconglomerate, marble

Dunlop Corners Formation<sup>3</sup>

11a Pelitic schists, muscovite quartz + biotite +

pyrite schist, garnet + staurolite + hornblende +

biotite schist

11b Calcareous quartzite, impure calcareous marble

11c Quartzite pebbles conglomerate, polymictic con-

glomerate, marginalized conglomerate

11d Hornblende biotite plagioclase + carbonate schist

UNCONFORMITY

METAMORPHOSED FELSIC TO INTERMEDIATE INTRUSIVE  
ROCKS

CROSS LAKE PLUTON<sup>4</sup>

9a Trondhjemite gneiss, granoblastic gneiss

9b Feldspar porphyry, diorite and silt

9c Medium grained pink granodiorite and quartz

monzonitic gneiss

METAMORPHOSED MAFC INTRUSIVE ROCKS<sup>5</sup>

8a Medium and coarse-grained gabbro and diorite

8b Fine grained, banded, biotite bearing gabbro

8c Diorite phases, granodiorite and aplite phases

INTRUSIVE CONTACT

METASEDIMENTS

CLASTIC METASEDIMENTS<sup>6</sup>

7a Calcareous sandstone, muscovite biotite-carbo-

nate pebbly quartz gneiss and schist

7b Lentic sandstone, siltic, calcareous sandstone,

Siliceous sandstone, pyrite, muscovite-quartz, ph-

goclastic gneiss and schist

CARBONATE METASEDIMENTS<sup>7</sup>

6a Grey and white mostly massive dolomitic mar-

ble locally grey silty dolomitic marble

6b Grey and white laminated marble, massive grey

and white marble

6c Marble and dolomitic marble with large lenses

and layers of white quartzite locally up to 30 per-

cent

6d Marble interlayered with clastic siliceous met-

asediments richly weathering, muscovite pyrite

6e Marble interlayered with hornblende biotite

plagioclase + carbonate gneiss, scapolite

bearing marble

6f Marble interlayered with layers of rotating lg

fragments of amphibole + epidote

6g Marble, metabasite, quartzite, hornblende, pyrite

6h Marble, metabasite, quartzite, hornblende, pyrite

FELSIC TO MAFC ONE(SSES) OF MIXED VOLCANIC AND SED-  
IMENTARY ORIGIN  
INTERLAYERED FELSIC AND INTERMEDIATE ONE(SSES)<sup>1</sup>

5a Biotite, quartzite-leads pathite + muscovite + garnet

gneiss, laminated biotite quartzite-leads pathite

gneiss

5b Biotite, plagioclase, quartz + carbonate + micro-

cline + muscovite gneiss, locally coarse-grained

segregations of hornblende or biotite, local garnet

porphyroclasts

5c Hornblende-biotite quartz, plagioclase gneiss,

biotite-hornblende quartz, plagioclase gneiss

MAFC ONE(SSES)<sup>1</sup>

4a Hornblende, plagioclase + biotite + garnet, gneiss,

biotite-hornblende-plagioclase-quartz schist,

scapolite-dolomite hornblende-carbonate-

plagioclase + garnet gneiss, coarse-grained am-

phibolite

4b Fine grained amphibolite with relict amphibole

METAVOLCANICS  
MAFC TUFFS INTERLAYERED WITH CARBONATE METASE-  
DIMENTS AND LIMY MUDSTONES<sup>1</sup>

3a Biotite, carbonate + garnet schist

3b Hornblende-carbonate + biotite + garnet schist

3c Layers with rotating aggregates of amphibole,

hornblende-amphibolite-plagioclase + garnet,

biotite + garnet assemblage, cummingtonite-ir-

more-Mg chlorite + olivine assemblage

3d Amphibolite, cummingtonite-amphibolite,

plagioclase + Mg chlorite assemblage,

hornblende,

plagioclase + carbonate assemblage

FELSIC TO INTERMEDIATE METAVOLCANICS<sup>2</sup>

2a Fragmental muscovite-biotite-K-feldspar plagi-

oclase quartz gneiss

2b Hornblende-biotite-quartz-plagioclase gneiss,

locally with relict fragments of hornblende + mus-

covite + garnet, local garnet porphyroblasts

2c Garnet-muscovite biotite schist

MAFC TO INTERMEDIATE METAVOLCANICS<sup>3</sup>

1a Hornblende-plagioclase + garnet gneiss, local

hornblende porphyroblasts, local relict pheno-

crysts of plagioclase, local dolomite-hornblende-

plagioclase gneiss

1b Massive amphibolite, followed amphibolite

1c Quartz, biotite-hornblende-plagioclase + garnet

gneiss, local relict phenocrysts of plagioclase

1d Fragmental hornblende-plagioclase + biotite + carbonate

gneiss

NOTES

1) This is a lead legend and may be changed as a result of future laboratory in-

vestigation

2) After Moore and Thomson 1972

3) Carbonate clast conglomerate of the Myer Cave Formation and quartzite peb-

ble conglomerate of the Dunlop Corners Formation are considered to be 1a

and 1b respectively (Moore and Thomson 1972)

4) No relative age differences are implied between these units

5) No relative age differences are implied between these units

6) All part metasediments in part metasediments

## LIST OF PROPERTIES AND OCCURRENCES

- 1 A.M. Explorations Limited
  - 2 Booth Mine (1952)
  - 3 Canadian Arrow Mines Limited (1989)
  - 4 Consolidated Imperial Resources Limited
  - 5 Cook Property
  - 6 M.H. Fyock and Associates (1989)
  - 7 Grand Silver Mines Limited (1984)
  - 8 Groulx Resources Limited
  - 9 Hahon, C.
  - 10 Ram Petroleum Limited
  - 11 Reddell, D.
  - 12 Selco Incorporated (James Mine)
  - 13 Selco Incorporated (Webber Property)
  - 14 Washburn Mines Limited (1977)
  - 15 Wilson, N.
- Note: date in brackets indicates the last year of active claim activities

## METAL AND MINERAL ABBREVIATIONS

- Ag Silver
- Au Gold
- Act Actinolite
- As Arsenopyrite
- Chk Chalcopyrite
- Cu Copper
- Dsp Dolomite
- Gal Galena
- Grt Garnet
- Kfs Kyanite
- Lmp Limonite
- Mgn Magnetite
- Myl Molybdenite
- Muc Muscovite
- Pb Lead
- Py Pyrite
- St Staurolite

- tour Tourmaline
- trm Tremolite
- zn Zinc

- Fault (observed, assumed) Spot indicates down throw side, arrows indicate horizontal movement
- Jointing (horizontal, inclined, vertical)
- Drag beds with plunge
- Anticline syncline with plunge
- Foliation (horizontal, inclined, vertical)
- Shear, depth in feet
- Test pit
- Explosion trenching
- Quarry
- Gravel pit
- Radioactivity
- Below level, top unknown

## SYMBOLS

- X Small bedrock outcrop
- Area of bedrock outcrop
- Bedding top unknown, (inclined, vertical)
- Schistosity, (horizontal, inclined, vertical)
- Gneissosity, (horizontal, inclined, vertical)
- Lamination with plunge
- Geological boundary, observed
- Geological boundary, position interpreted

- Small bedrock outcrop
- Area of bedrock outcrop
- Bedding top unknown, (inclined, vertical)
- Schistosity, (horizontal, inclined, vertical)
- Gneissosity, (horizontal, inclined, vertical)
- Lamination with plunge
- Geological boundary, observed
- Geological boundary, position interpreted

1986-87: Stephen Black evaluated the industrial mineral potential of the sillimanite gneiss unit as part of a Canada-Ontario Mineral Development Agreement project.

1987-89: Homestake Mineral Development Company carried out geological mapping and soil surveys, magnetic and VLF-EM surveys, and trenching. The trenches were never mapped or sampled.

### **Recent Exploration Activity**

1993: B. Christie mapped and channel sampled 5 trenches at the James gold occurrence. Best grab sample: 28.52 g/t Au, best channel sample: 3.7 g/t Au over 3.9 metres. In addition, soil sampling was carried out over 4 targets previously defined by St. Joseph Exploration. Three coincident Zn-Pb anomalies with values up to 6390 ppm Zn and 528 ppm Pb were delineated.

### **Geology**

The property is underlain by a Proterozoic aged, NE-SW trending sequence of carbonate and clastic metasediments (Figure 4). The carbonates consist primarily of calcitic and dolomitic marble with minor calc-silicate interlayers. The clastic units consist of pelitic schist, mafic and felsic paragneiss, and sillimanite gneiss. The paragneiss units are probably volcanoclastic in origin.

The sillimanite gneiss unit contains 3 zones: a high grade zone with 15-30% sillimanite; a low grade zone with 0-15% sillimanite; and a sillimanite-plagioclase zone with up to 30% plagioclase. Black's study of the sillimanite gneiss unit indicates that it has good industrial mineral potential.

The supracrustal rocks are locally intruded by narrow mafic and felsic sills or dikes.

All of the rock units are foliated to some degree. Most of the units strike E-NE and dip steeply to the north or near vertical. Isoclinal folds have locally been noted on the claim group. The axial planes trend N40-60 degrees E and plunge 10-30 degrees NE.

Metamorphism on the property appears to have reached amphibolite facies grade.

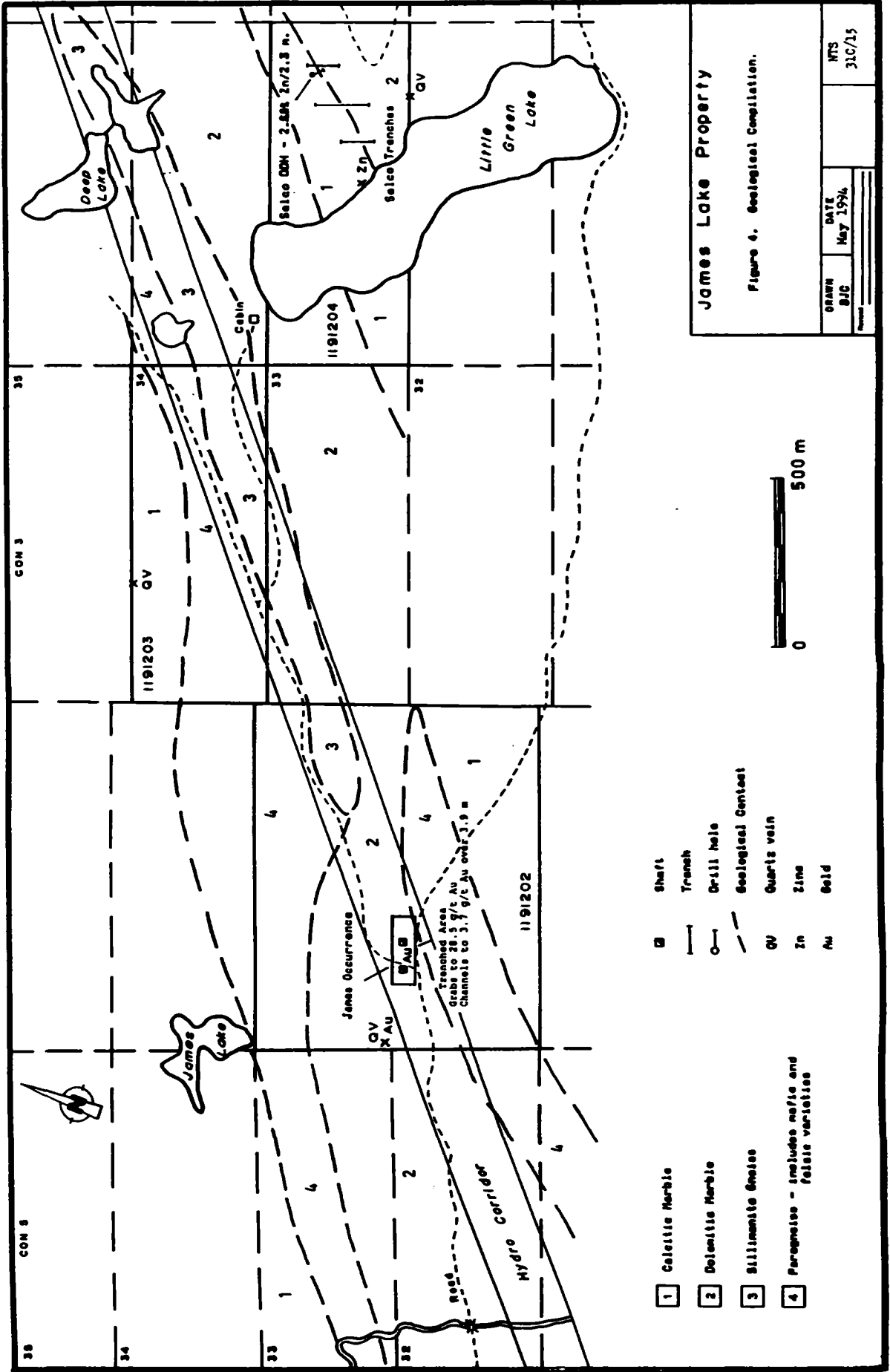
### **Mineralization**

Two styles of mineralization have been noted on the property:

1. Gold in saddle reef style quartz veins.
2. Stratiform, carbonate-hosted zinc-lead mineralization.

The first style of mineralization is best exposed at the James Occurrence (Figure 4). Here, trenching by a previous operator revealed two quartz veins that appear to occur on opposite limbs of an anticlinal structure. The veins occur at the contact between a calc-silicate and marble unit. The calc-silicate unit may represent a reaction zone? The





**James Lake Property**

**Figure 4. Geological Compilation.**

DRAWN BJC	DATE May 1994	NTS 31C/15
--------------	------------------	---------------

veins are 0.1 to 4.0 metres wide and can be traced along strike for up to 135 metres.

Five trenches are exposed at the James Occurrence and their locations are shown on Figure 5. On November 15, 1992, the author collected six rock samples from the James Occurrence trenches. Sample locations are shown on Figures 6 and 7.

The samples were sent to Chemex Laboratories in Mississauga for analysis. The rock samples were crushed and pulverized to about minus 150 mesh. Thirty grams of the pulverized material was then analyzed for gold using a fire assay-atomic absorption technique. The samples were also analyzed for copper and silver using atomic absorption. Sample descriptions and analytical results are presented in Appendix 1.

Three of the quartz vein samples (10695, 10697, and 10700) contained significant gold values. The highest value was 5,000 ppb gold in sample 10697. Each of these samples contained up to 1% sulphide minerals, primarily tetrahedrite, chalcopyrite, and pyrite. These three quartz vein samples were also highly anomalous in copper and silver.

Samples 10698 and 10699 are calcitic marble with quartz vein material and sulphides. These samples were also anomalous in gold, copper and silver.

Sample 10696 is quartz float, which only contained slightly elevated values in gold, copper and silver.

The second style of mineralization was encountered in a Selco Mining Corporation drill hole east of Little Green Lake (claim 1191204; Figure 4). The 41.8 metre long drill hole contained a 2.28 metre intersection grading 2.68% zinc. The hole was targeted on a 5,200 ppm zinc anomaly with a coincident lead anomaly in 'B' horizon soils.

## **Recommendations**

Results from this initial sampling program led the author to apply for an OPAP grant in 1993. The application was successful, and followup mapping and sampling was carried out at the James Occurrence (Christie, 1994).

Both grab and channel sampling has outlined the presence of significant gold mineralization at the James Occurrence. A two phase exploration program is recommended.

Phase I would consist of detailed structural and stratigraphic mapping. This would help establish lithologic and structural controls on the gold mineralization.

During Phase II, additional trenching would be carried out at the James Occurrence, followed by diamond drilling.

Claim 50 1191202

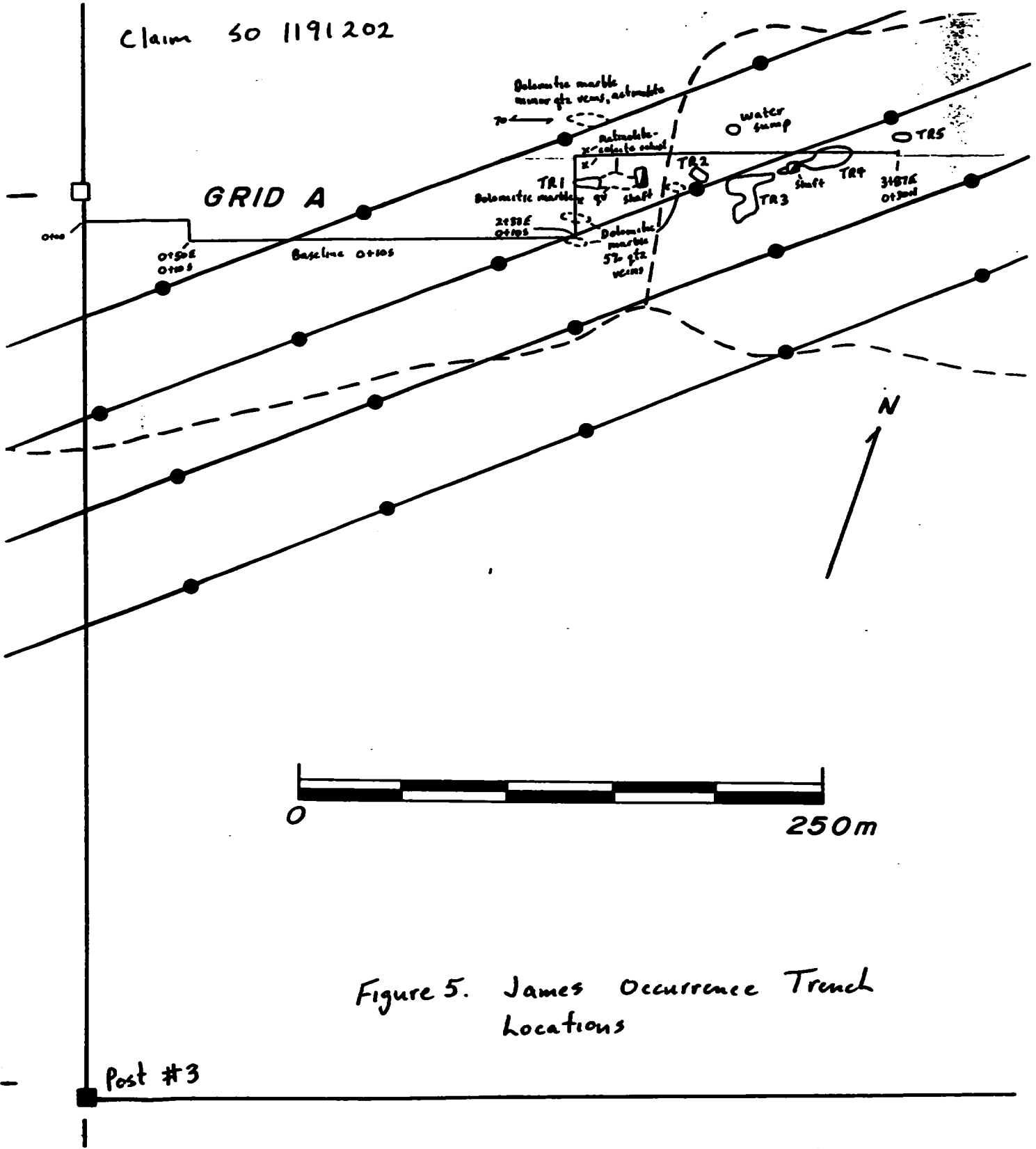
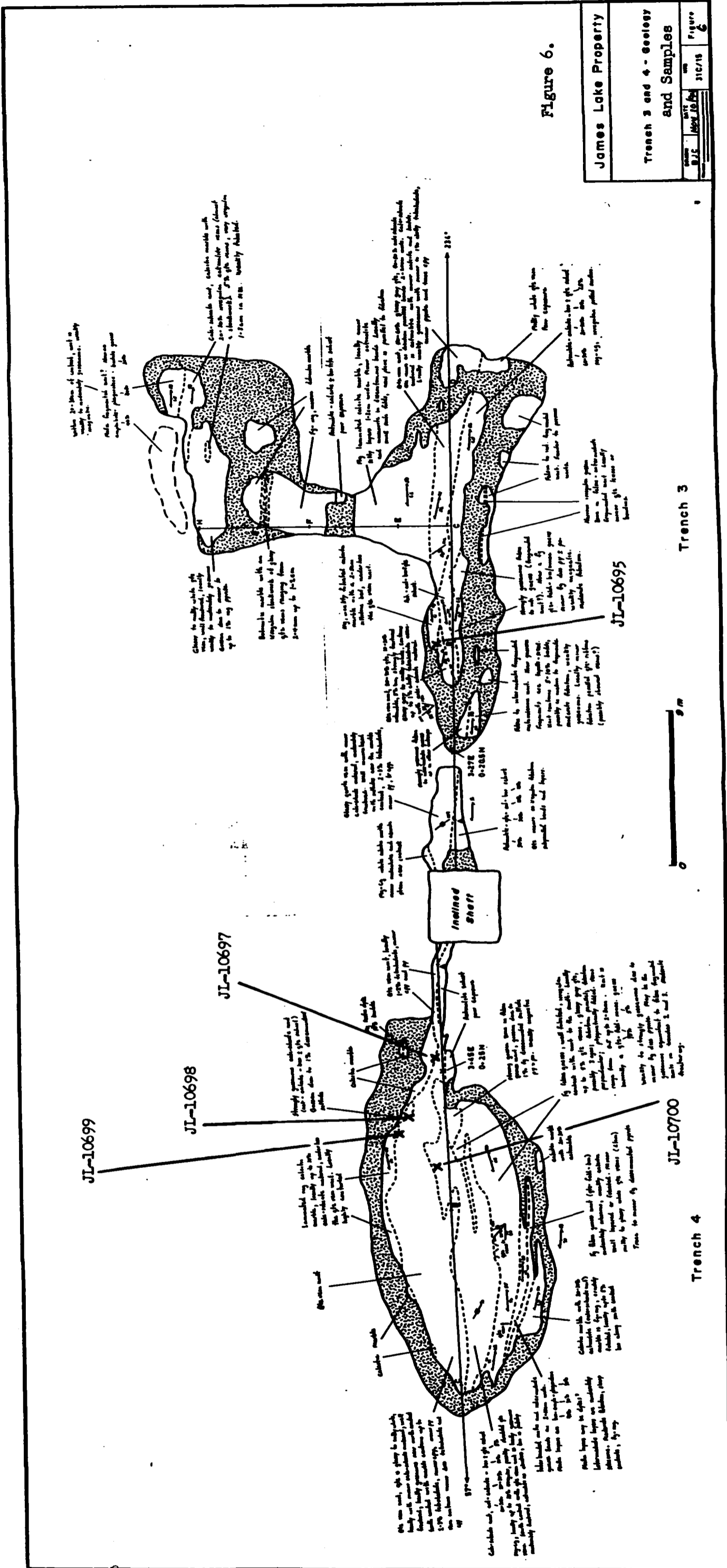
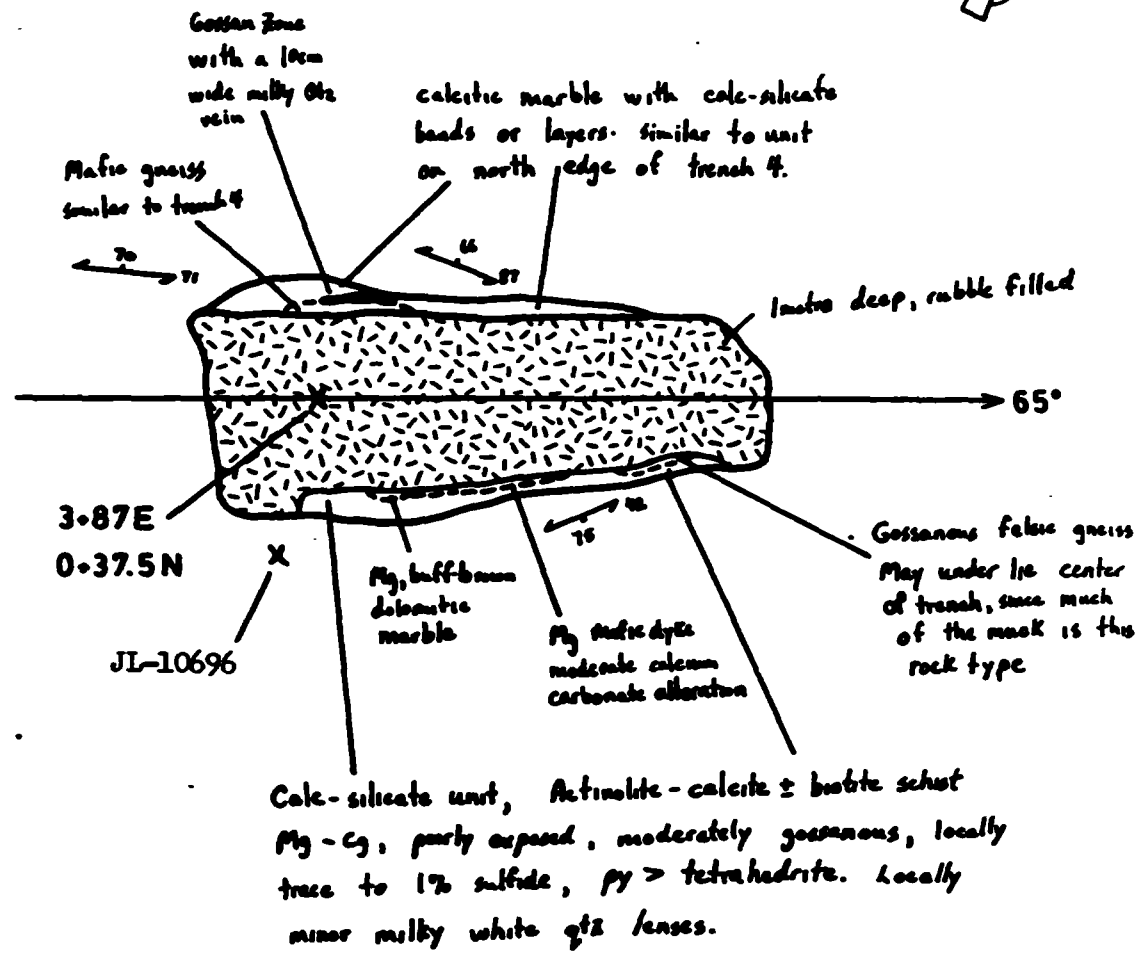


Figure 5. James Occurrence Trench Locations

Post #3





3-87E  
0-37.5N  
X  
JL-10696

Calc-silicate unit, Actinolite-calcite ± barite schist  
Mg-cg, partly exposed, moderately gossanous, locally  
trace to 1% sulfide, py > tetrahedrite. Locally  
minor milky white qtz lenses.



<b>James Lake Property</b>			
<b>Trench 5 - Geology</b> and Samples			
DRAWN <b>BJC</b>	DATE Nov.10/94	NTS  31C/15	Figure 7
Revised _____			

## References

Christie, B.J., 1994. Report on an OPAP funded exploration program for gold and zinc mineralization on the James Lake Property, Clarendon Twp., Southeastern Ontario. OPAP Grant OP93-422

**APPENDIX 1 - Sample descriptions and analytical results**

### Sample Descriptions

- JL-10695: Bedrock grab sample from Trench 3. Glassy grey quartz vein with 25-30% diopside, 5% calcitic marble and 1% subhedral crystals of tetrahedrite up to 2-4 mm in size.
- JL-10696: Grab sample of quartz float from Trench 5. Milky white quartz vein with minor to 0.5% pyrite, well fractured.
- JL-10697: Bedrock grab sample from Trench 4. Glassy-grey quartz vein with 1-2% chalcopyrite, minor to 0.5% tetrahedrite, minor azurite and malachite stain. Well fractured and located near the marble contact.
- JL-10698: Bedrock grab sample from Trench 4. Calcitic marble with 5-10% quartz ribbons, 3-5 mm in width. Up to 1% disseminated to clotty tetrahedrite and chalcopyrite. Moderate azurite and malachite staining.
- JL-10699: Bedrock grab sample from Trench 4. Contact between vein and calcitic marble. Sample is 15-20% calcitic marble and 80-85% quartz. Abundant malachite and azurite stain, up to 1-2% chalcopyrite and tetrahedrite.
- JL-10700: Bedrock grab sample from Trench 4. Quartz vein material at paragneiss contact. Glassy-grey, well fractured. Up to 1% tetrahedrite, chalcopyrite and pyrite, possibly trace native copper?





# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
5175 Timberlea Blvd., Mississauga,  
Ontario, Canada L4W 2S3  
PHONE: 416-624-2806

To: CHRISTIE, BRIAN

R.R. #2  
INVERARY, ON  
K0H 1X0

Project: JAMES LAKE  
Comments:

Page Number : 1  
Total Pages : 1  
Certificate Date : 08-DEC-92  
Invoice No. : 19225752  
P.O. Number :  
Account : KGY

## CERTIFICATE OF ANALYSIS A9225752

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm Aqua R.	Cu ppm	Cu %					
JL-10695	205 226	2650	94.2	2000	-----					
JL-10696	205 226	25	0.6	47	-----					
JL-10697	205 226	5000	>100.0	>10000	1.27					
JL-10698	205 226	650	60.6	1950	-----					
JL-10699	205 226	930	82.0	>10000	1.62					
JL-10700	205 226	1420	75.4	4450	-----					

CERTIFICATE OF ANALYSIS



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
5175 Timberlea Blvd., Mississauga,  
Ontario, Canada L4W 2S3  
PHONE: 416-624-2808

To: CHRISTIE, BRIAN  
R.R. #2  
INVERARY, ON  
K0H 1X0

A9225752

Comments:

<b>CERTIFICATE</b>	<b>A9225752</b>
--------------------	-----------------

CHRISTIE, BRIAN

Project: JAMES LAKE

P.O.#:

Samples submitted to our lab in Mississauga, ON.  
This report was printed on 8-DEC-92.

SAMPLE PREPARATION	
CHEMEX CODE	DESCRIPTION
205	6 Geochem ring to approx 150 mesh
226	6 0-5 lb crush and split
238	6 Nitric-aqua-regia digestion

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	6	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
6	6	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0
2	6	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
301	2	Cu %: Reverse Aqua-Regia digest	AAS	0.01	100.0



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: CHRISTIE, BRIAN  
R.R. #2  
INVERARY, ON  
K0H 1X0

\*\*

INVOICE NUMBER

I 9 2 2 1 3 9 3

## BILLING INFORMATION

Date: 24-SEP-92  
Project: R-1  
P.O. No.:  
Account: KGY

### Comments:

Billing: For analysis performed on  
Certificate A9221393

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
2	205 - Geochem ring to approx 150 mesh	1.95		
	226 - 0-5 lb crush and split ICP-24	1.95		
	983 - Au ppb FA+AA	9.00	22.85	45.70
Total Cost \$				45.70
(Reg# R100938885) GST \$				3.20
<b>TOTAL PAYABLE (CDN) \$</b>				<b>48.90</b>



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: CHRISTIE, BRIAN

R.R. #2  
INVERARY, ON  
K0B 1X0

\*

INVOICE NUMBER

I 9 2 2 5 7 5 2

### BILLING INFORMATION

Date: 8-DEC-92  
Project: JAMES LAKE  
P.O. No.:  
Account: KGY  
Comments:  
Billing: For analysis performed on  
Certificate A9225752  
Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.  
212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
4	205 - Geochem ring to approx 150 mesh	1.95		
	226 - 0-5 lb crush and split	1.95		
	983 - Au ppb FA+AA	9.00		
	6 - Ag ppm Aqua R	1.00		
	2 - Cu ppm	1.00		
	238 - Nitric-aqua-regia digestion	1.75	16.65	66.60
2	205 - Geochem ring to approx 150 mesh	1.95		
	226 - 0-5 lb crush and split	1.95		
	983 - Au ppb FA+AA	9.00		
	6 - Ag ppm Aqua R	1.00		
	2 - Cu ppm	1.00		
	238 - Nitric-aqua-regia digestion	1.75		
	301 - Cu	7.00	23.65	47.30

Total Cost \$ 113.90  
(Reg# R100938885 ) GST \$ 7.97

TOTAL PAYABLE (CDN) \$ 121.87

**Appendix 2 - Statement of Qualifications**

## STATEMENT OF QUALIFICATIONS

With regards to my Technical Report of November 10, 1994, I, Brian J. Christie of 5 James Street, Brooklin, Ontario do certify that:

1. I hold an Honours B.Sc. degree in geology from the University of Toronto (1979),
2. I hold an M.Sc. degree in geology from Queen's University at Kingston (1986),
3. I have been practicing my profession since 1979,
4. I am a Fellow of the Geological Association of Canada,

November 10, 1994

Brian J. Christie

A handwritten signature in cursive script that reads "Brian Christie". The signature is written in black ink and is positioned below the printed name.

*Gasometer Claims, prospecting*



**Performance Gasolines  
Superior Value**

749 (413) 354-4537  
8 CENTRE STREET Employee # 145596  
NASANEE, ONTARIO GST Reg. #R100773015  
K7G-1P6 15 NOV 92 16:27

PERFORMANCE UNLEAD 35.77&L @55.9¢/l 20.00

TOTAL 20.00

BST 0.00

PST 0.00

TOTAL 20.00

DISCOUNTS 0.00

MERCHANDISE COUPONS 0.00

AMOUNT DUE 20.00

CASH TENDERED COUPONS ISSUED \$ .90

\$20.00 GASOLINE TOTAL INCLUDES \$1.31 GST.

Clarendon  
claims.  
Prospecting

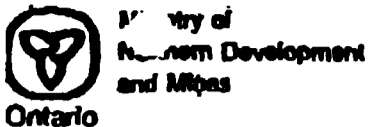
THANK YOU

\*\*\*\* MCDONALDS STORE NO. 08190 \*\*\*\*  
R/S NO. 01 11/15/81 16.48

ROOKE 1 1.17 P. 200 1 3.20

SUB TOTAL 4.37  
EAT-IN TAX .33  
TOTAL 4.70





# Report of Work Conducted After Recording Claim

Transaction Number  
**W9490.00067**

Mining Act

**2.15715**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P2E 8A8, telephone (705) 670-7284.

- Instructions:
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements.
  - A separate copy of this form must be completed for each claim.
  - Technical reports and maps must accompany this form.
  - A sketch, showing the claims the work is assigned to.



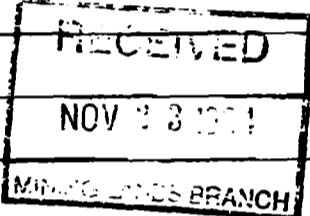
31C15NW0003 2.15715 CLARENDON

900

Recorded Holder(s) <b>BRIAN CHRISTIE</b>	Client No. <b>118093</b>
Address <b>5 JAMES STREET BROOKLIN, ONTARIO L0B 1C0</b>	Telephone No. <b>905-655-5984</b>
Mining Division <b>SOUTHERN ONTARIO</b>	Township/Area <b>CLARENDON TWP</b>
Date Work Performed From: <b>Nov 15/92</b> To: <b>Nov 10/94</b>	M or G Plan No. <b>14-77</b>

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, including Drilling	
Rehabilitation	
Other Authorized Work	
<input checked="" type="checkbox"/> Assays	<b>Rock sampling and prospecting.</b>
Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **495.47**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<b>BRIAN CHRISTIE</b>	<b>5 JAMES STREET BROOKLIN, ONTARIO</b>

(Attach a schedule if necessary)

Certification of Beneficial Interest - See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: **Nov 14/94** Recorded Holder or Agent (Signature): *Brian Christie*

Certification of Work Report

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

Name and Address of Person Certifying: **BRIAN CHRISTIE, 5 JAMES STREET BROOKLIN, ONT. L0B1C0**

Telephone No.: **905-655-5984** Date: **Nov 14/94** Certified by (Signature): *Brian Christie*

For Office Use Only

Total Value Cr. Recorded: **\$495**

Date Recorded: **Nov 14/94** Deemed Approval Date: **Feb 13/95**

Mining Records: *[Signature]*

ONTARIO MINING DIVISION RECEIVED "Counter" NOV 17 1994

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9490.00067

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	300	
	Field Supervision Supervision sur le terrain		300
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type		
	Geochemical Analysis	170.77	170.77
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			470.77

2. Indirect Costs/Coûts indirects

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Personal Vehicle		
	Fuel	20	20
Food and Lodging Nourriture et hébergement			
	Meal	4.70	4.70
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			24.70
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			24.70
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			495.47

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	× 0,50 =

Certification Verifying Statement of Costs

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Recorded Holder I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente: que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Brian Christie Date Nov 14/94

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	50 1191202	4
Total Number of Claims		1

Value of Assessment Work Done on the Claim	Value Applied to the Claim
495	
Total Value Work Done	
Total Value Work Applied	

Value Assigned from the Claim	Reserve: Work to be Claimed at a Future Date
	495
Total Assigned From	
Total Reserve	

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

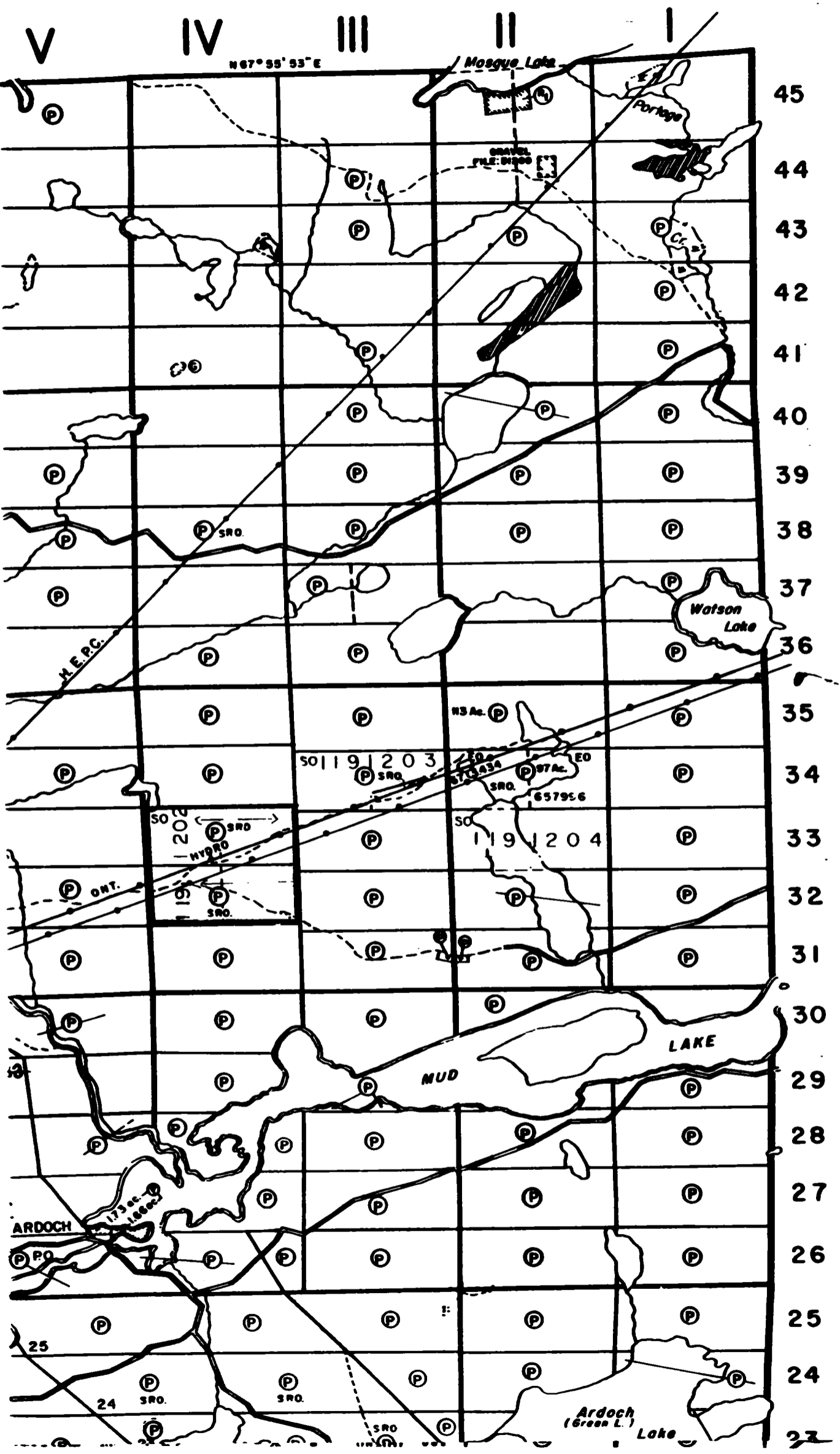
In the event that you have not specified your choice of priority, option one will be implemented.

**Note 1:** Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

**Note 2:** If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
---	-----------	------

CLARENDON Twp.  
(M-77)



M.P. (M. 139)

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

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

Telephone: (705) 670-5853  
Fax: (705) 670-5863

Our File: 2.15715  
Transaction: #W9490.00067

February 22, 1995

Mining Recorder  
Ministry of Northern Development  
and Mines  
MacDonald Block,  
Room M2-17  
900 Bay Street  
Toronto, Ontario  
M7A 1C3

Dear Mr. Denomme:

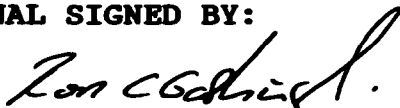
**RE: APPROVAL OF NOTICE OF REDUCTION ISSUED ON MINING CLAIM 1191202 IN  
CLARENDON TOWNSHIP.**

The assessment work credits as outlined in the notice of reduction dated January 6, 1995 have been approved as of February 22, 1995. The credits have been approved under Section 17, Assays, Mining Act Regulations.

Please redistribute the allowable assessment credits as requested by the record holder.

If you require any additional assistance please contact Bruce Gates at (705) 670-5856.

ORIGINAL SIGNED BY:



Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mining and Land Management Branch  
Mines and Minerals Division

503 BIG/jl  
Enclosure:

cc. Assessment Files Office  
Sudbury, Ontario

Resident Geologist  
Tweed, Ontario

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKOG
- MINES
- CANCELLED
- TRAILS
- PATENTED S.R.O.

NOTES

This Map Is Not To Be Used  
FOR SURVEY PURPOSES

Lot And Concession Lines Shown Hereon Are  
Projected From The Best Information Available,  
But Their True Position Is Not Guaranteed.  
For Official Survey Purposes Consult The  
Original Survey Plans And Field Notes Of  
Records In The Ministry Of Natural Resources.

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

Flooded Lands Shown Thus:

Flooding Rights Reserved On Cross Lake  
And Fawn Lake To Elevation 110.5'.  
File: 126113.

Original Survey Line Of Frontenac Road Shown  
Thus:

Islands in Clarendon Lake shown thus  
Surface Rights Only withdrawn from staking.  
File 180708.

AREAS WITHDRAWN FROM STAKING

Section	Order No.	Date	Disposition	File
1	Reserved for Public Use		SR	87431
2	M.N.R. Reservation		SR	185675
3	Reservation		SR	140881
4	Reservation		SR	8MR 92370

DATE OF ISSUE

NOV 17 1984

SOUTHERN ONTARIO  
MINING DIVISION

THE INFORMATION THAT  
APPEARS ON THIS MAP  
HAS BEEN COMPILED  
FROM VARIOUS SOURCES  
AND ACCURACY IS NOT  
GUARANTEED. THOSE  
WISHING TO STAKE MIN-  
ING CLAIMS SHOULD CON-  
SULT WITH THE MINING  
RECORDER, MINISTRY OF  
NORTHERN DEVELOP-  
MENT AND MINES, FOR AD-  
DITIONAL INFORMATION ON  
THE STATUS OF THE  
LANDS SHOWN HEREON

PLAN NO.-M.77

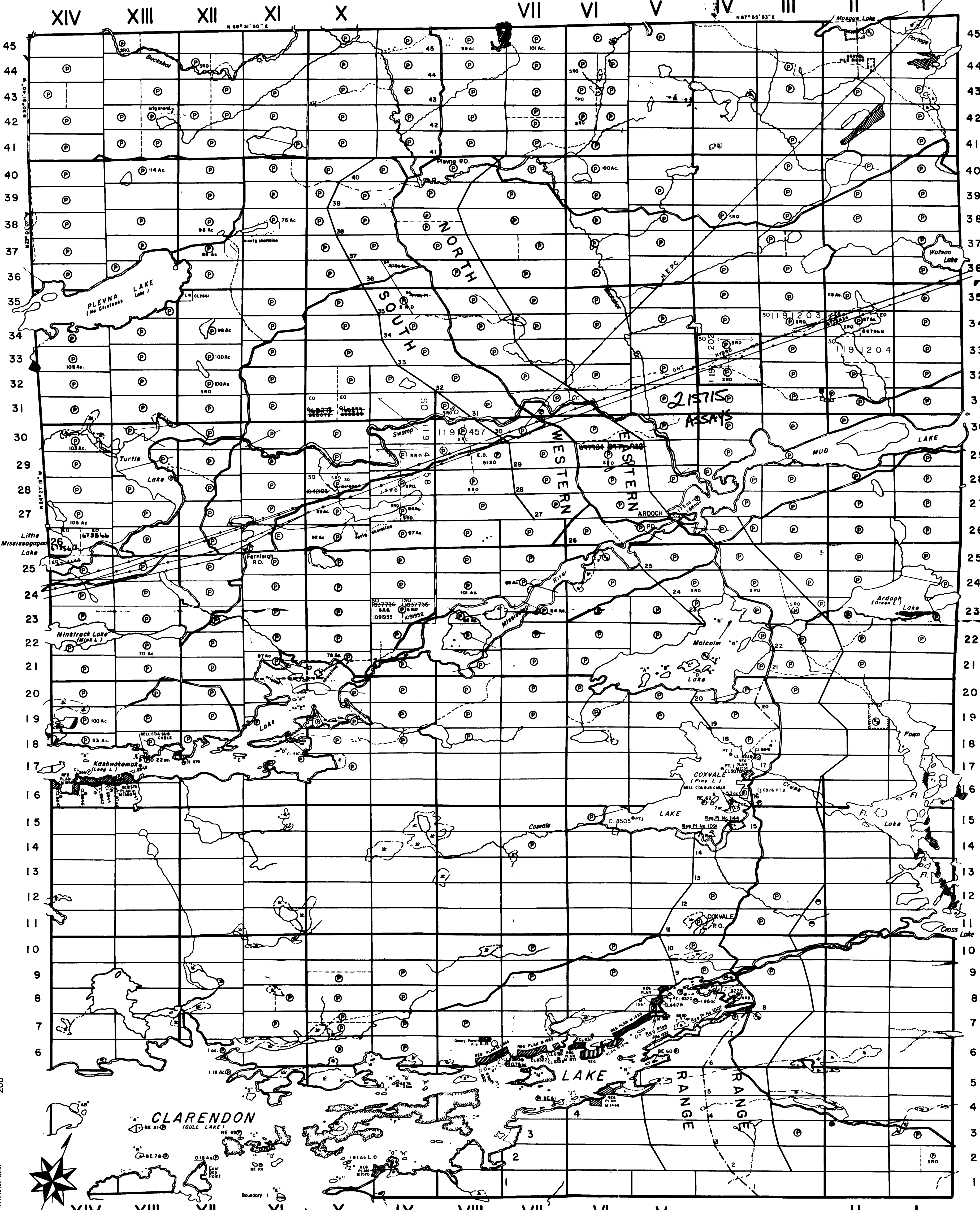
ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

Barrie Twp. (M.50)

Palmerston Twp. (M.139)

Olsen Twp. (M.136)

Kennebec Twp. (M.109)



CLARENDON  
(DULL LAKE)

LAKE RANGE