



52A10SW0005 2.10035 MACGREGOR

010

RESULTS OF 1986 EXPLORATION ON
THE RAM PROPERTY,
MACGREGOR TOWNSHIP, ONTARIO
FOR
ESSO MINERALS CANADA

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MAY 11 1987

MINING LANDS SECTION

Janet E. Kerr
April, 1987
NTS 52A-10
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MINING LANDS SECTION



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SUMMARY AND RECOMMENDATIONS

Results from the preliminary mapping are mixed. The property does contain anomalous gold values (up to .40 oz Au/T), but the extent of gold mineralization appears to be limited, with the best values occurring within massive arsenopyrite in silicified joints associated with a lamprophyre dike. Results from samples of the quarry float are lower grade (up to 0.08 oz Au/T), however the large (to 1m) sericitized-pyritized-silicified boulders are derived from a potentially wider and more uniformly mineralized zone. To properly assess this zone, sufficient water should be drained from the quarry to permit bedrock sampling and mapping. If sampling results are favourable, a grid should be cut, and the property mapped at 1:1000 scale.

The orientation survey using humus and B-horizon soils indicate B-horizon sampling is a useful exploration technique on this property. Samples with anomalous Au-As values were collected some 170m north of the quarry occurrence in an area of no known gold occurrences. Followup mapping and possibly stripping would be required to assess the potential of this zone.

Prior to conducting additional surface exploration, an agreement must be reached with the holders of the surface rights, whom are residents of West Germany.

INTRODUCTION

Preliminary geologic mapping and an orientation soil geochemical sampling survey on the Ram property, located northeast of Thunder Bay, was undertaken in September, 1986.

LOCATION AND ACCESS

The Ram property is located some 40km northeast of Thunder Bay, Ontario, in MacGregor Township. The property is cut by the Trans Canada Highway and the Canadian National Railway (see Figure 1).

LAND STATUS

Eight claims are presently held by Esso Resources Canada Limited, Esso Minerals Canada division. Claim names, staking and due dates are listed in Appendix 1. The claim locations are illustrated on Figure 2.

The surface rights for the property are held by various owners listed in Appendix 2. However, the majority of the ground is held by a syndicate of West Germans. Figure 3 is a plan of the property showing the various owners of surface rights.

PREVIOUS EXPLORATION

Previous exploration in the area has been mainly restricted to silver and amethyst. The silver occurs in Proterozoic quartz veins primarily near the Archean - Proterozoic unconformity and are often associated with diabase sills. The Ram property straddles this unconformity.

During a reconnaissance mapping program in the Thunder Bay area in the summer of 1986, EMC resampled two mineralized zones on the property where Scott (1986), reports assays up to 1.06 oz Au/Ton. The claim covering these zones was subsequently optioned from D. Thibault, and seven surrounding claims were staked.

There is abundant float of sericitized, silicified and pyritized rock on the western edge of the quarry on the property. Rock from the quarry was reportedly used for road-fill, however, John Scott (personal communication) believes it may originally have been a gold exploration pit which has been subsequently enlarged into a quarry.

GEOLOGY

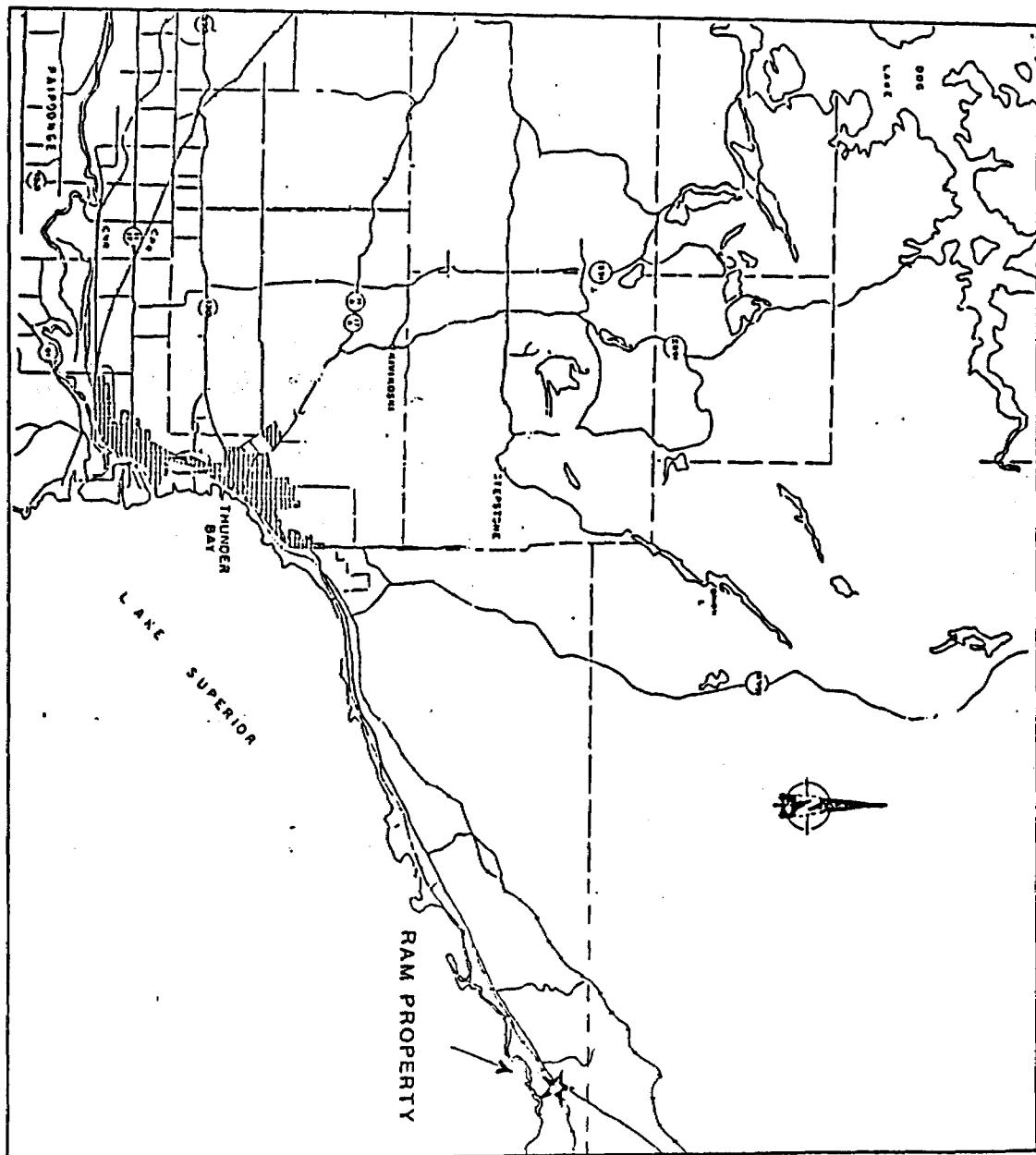
1) Regional Geology

MacGregor Township was mapped in 1984 and 1985 by Scott (1986), shown in Figure 4. The township is underlain by Archean and Proterozoic rocks.

The Archean rocks consist of two cycles of felsic to mafic metavolcanics, and associated metasediments from the Abitibi-Wawa Subprovince. Unconformably overlying this sequence are Proterozoic clastic and chemical sediments from the Animikie Group. The metavolcanics strike east, and generally face to the south. The foliation is parallel to the major units, and dips subvertically. The Proterozoic sequence is sub-horizontal to gently southerly dipping.

2) Property Geology

The mapping was divided into two sections: the areas of known gold mineralization (the quarry and highway outcrop) were mapped at 1:100 scale, and the remaining area was mapped with the aid of air photos at 1:15 840 scale.

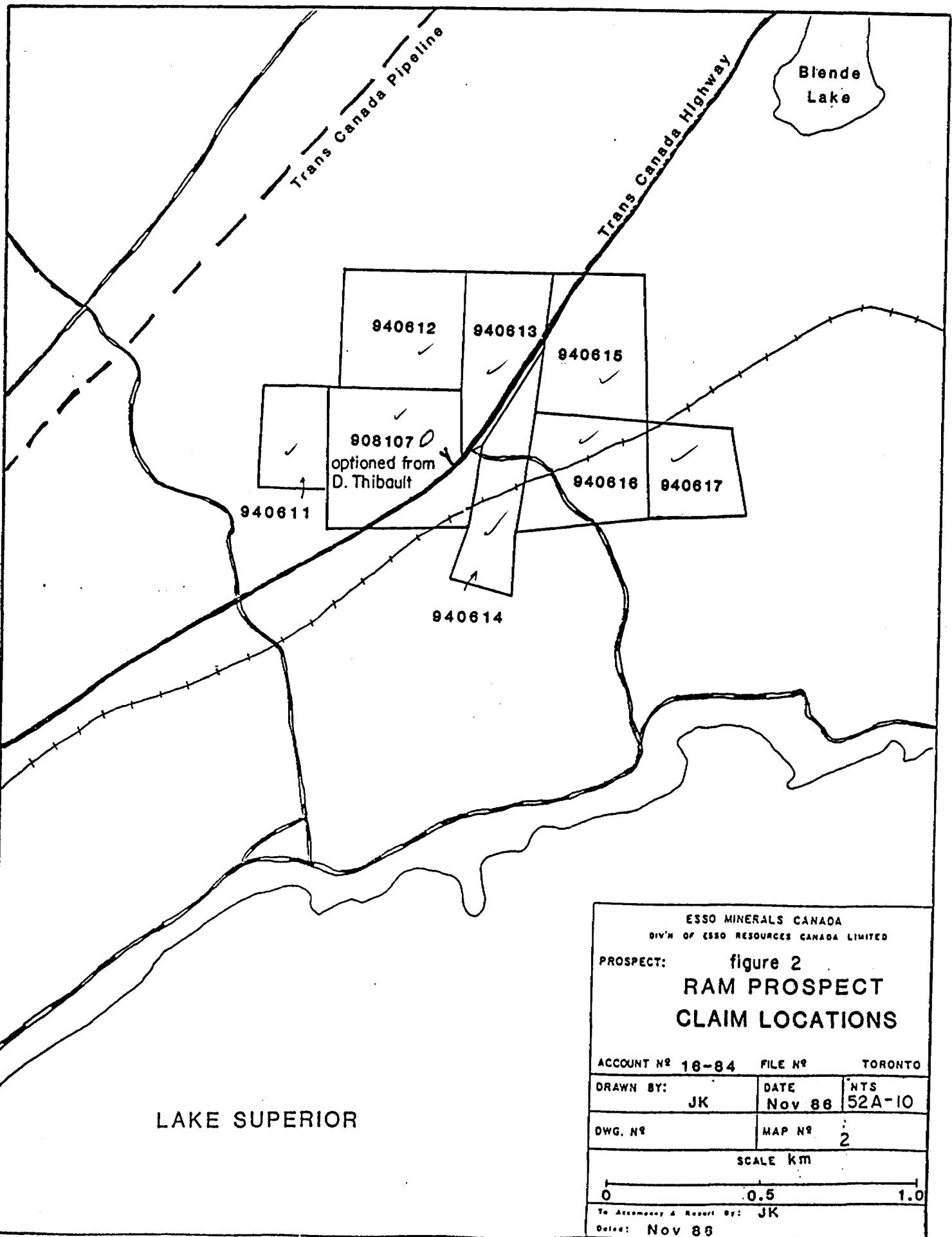


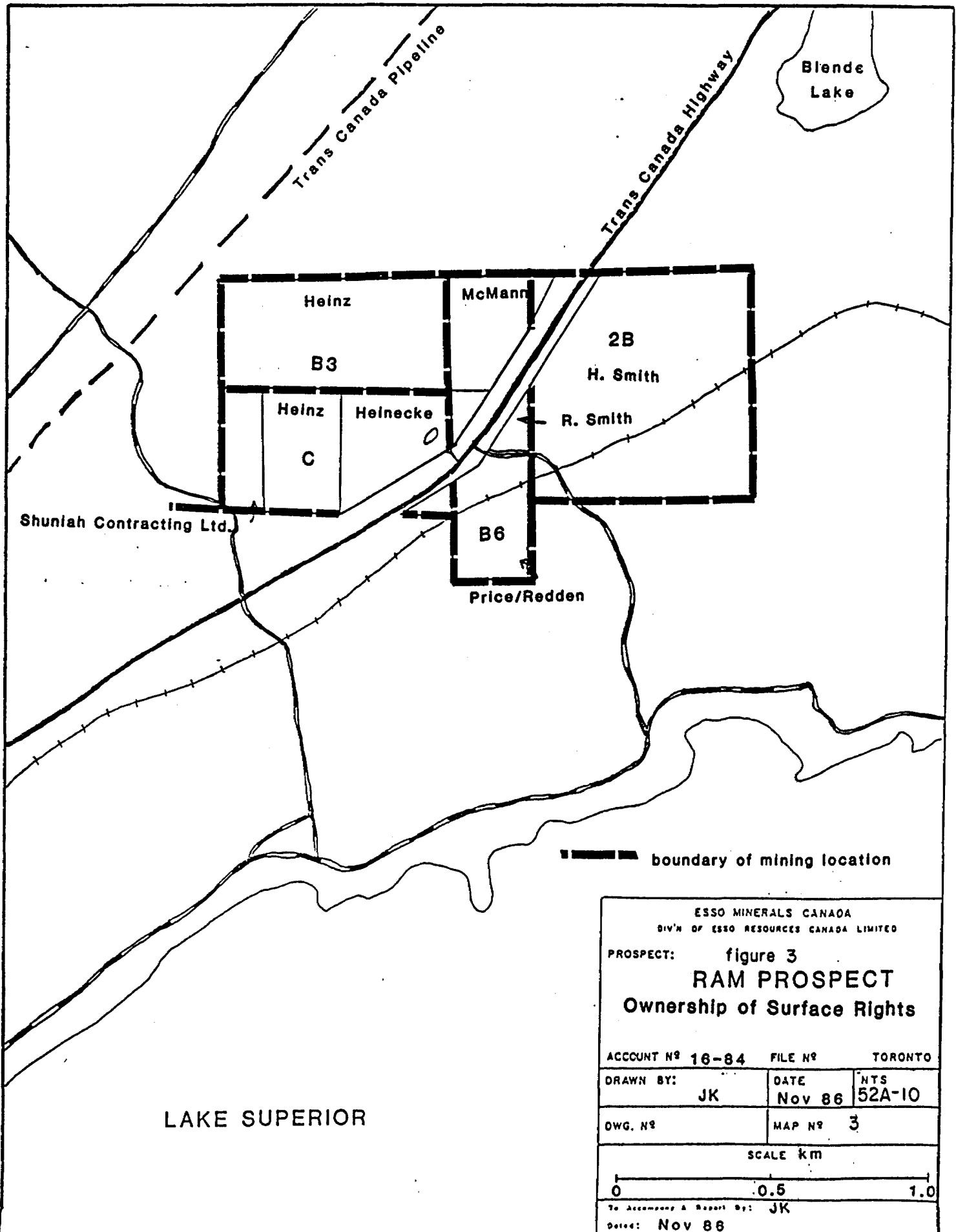
ESSO MINERALS CANADA
Winnipeg & Sons Resources Division Limited
PROPS-1
RAM PROPERTY
LOCATION MAP
RAM PROPERTY

ACCOUNT NO. 601 602 FILE NO. TERRITORY

RAM PROPERTY	J Kerr	DATE	MAP
		20-Nov-67	52 A/10
DATA		FIGURE NO.	
			1
SCALE			1:100,000

To: Winnipeg & Sons Ltd
J. Kerr
Revised
Nov. 20, 1967





a) Reconnaissance Scale

During the air photo mapping, all claim lines, roadsides, and the railway line were traversed, along with several traverses between claim lines. Outcrop exposure is generally poor and was further reduced by the large amount of leaves on the ground at the time of mapping.

The property is underlain by three major rock types: felsic to intermediate metavolcanic rocks and associated metasediments, gabbro and Proterozoic rocks (taconite and chert carbonate rocks) from the Gunflint Formation. Lamprophyre and granite dikes are rare. The property-scale geology map is shown in Figure 5.

The metavolcanic sequence, consisting of felsic to intermediate tuffs, reworked tuffs, lapilli tuffs and associated metasediments, weathers medium grey, and the fresh surface is light to medium grey. The rocks are generally very fine- to fine-grained, massive, and difficult to subdivide. Locally, the felsic tuffs contain up to 20% 1 to 5mm plagioclase phenocrysts. Bedding, visible in several locations, strikes at 355 degrees to 010 degrees, and dips approximately 20 degrees to the east. Jointing is common.

The gabbro has a dark green weathered and fresh surface, is non-magnetic, medium- to coarse-grained and contains up to 1% disseminated pyrite. Locally, the gabbro is weakly foliated.

Taconite and chert-carbonate rocks from the Gunflint Formation are flat lying, and highly weathered. The taconite has a very rusty weathered surface, and a medium green fresh surface. It is massive, medium-grained and highly magnetic. The chert-carbonate rocks weather purple to brown to rust red in colour. The colour of the fresh surface is purple or light grey. The rocks are fine- to medium-grained and locally have centimetric banding. The Proterozoic rocks are generally sub-outcropping, and occasionally brecciated.

The granite dikes are fine- to medium-grained, and have a light pink weathered and fresh surface.

The lamprophyre dikes weather rust, tan to dark greenish-grey and have a medium grey fresh surface. They are non-magnetic, contain up to 20% 0.1 to 0.5cm phlogopite phenocrysts and 1% pyrite. Both types of dikes have a variety of orientations.

The Archean-Proterozoic unconformity strikes northeast across the property with the Proterozoic sequence to the south, and the Archean sequence to the north. North of the unconformity (south of the highway) there are several 1 to 2m zones containing large, white glassy quartz veins which are interpreted as Proterozoic in age, and contain quartz crystals up to 3cm in length. These veins strike east-west.

b) Detailed Geology

The areas of known gold mineralization were mapped at 1:100 scale. The area is underlain by the felsic to intermediate metavolcanic sequence previously described, with few felsic and lamprophyre dikes. The detail Maps A,B and C are located in the pocket.

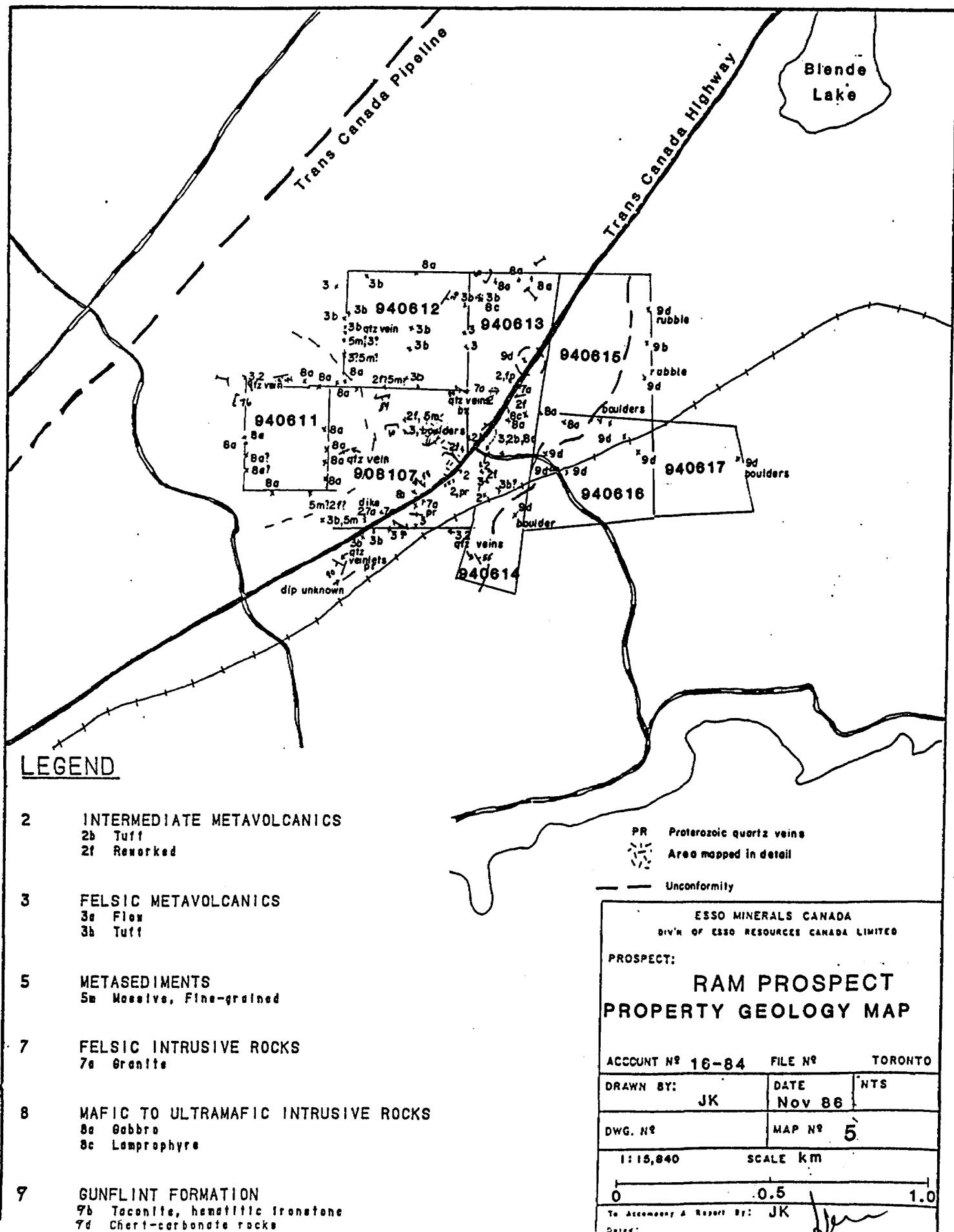
c) Style of Mineralization

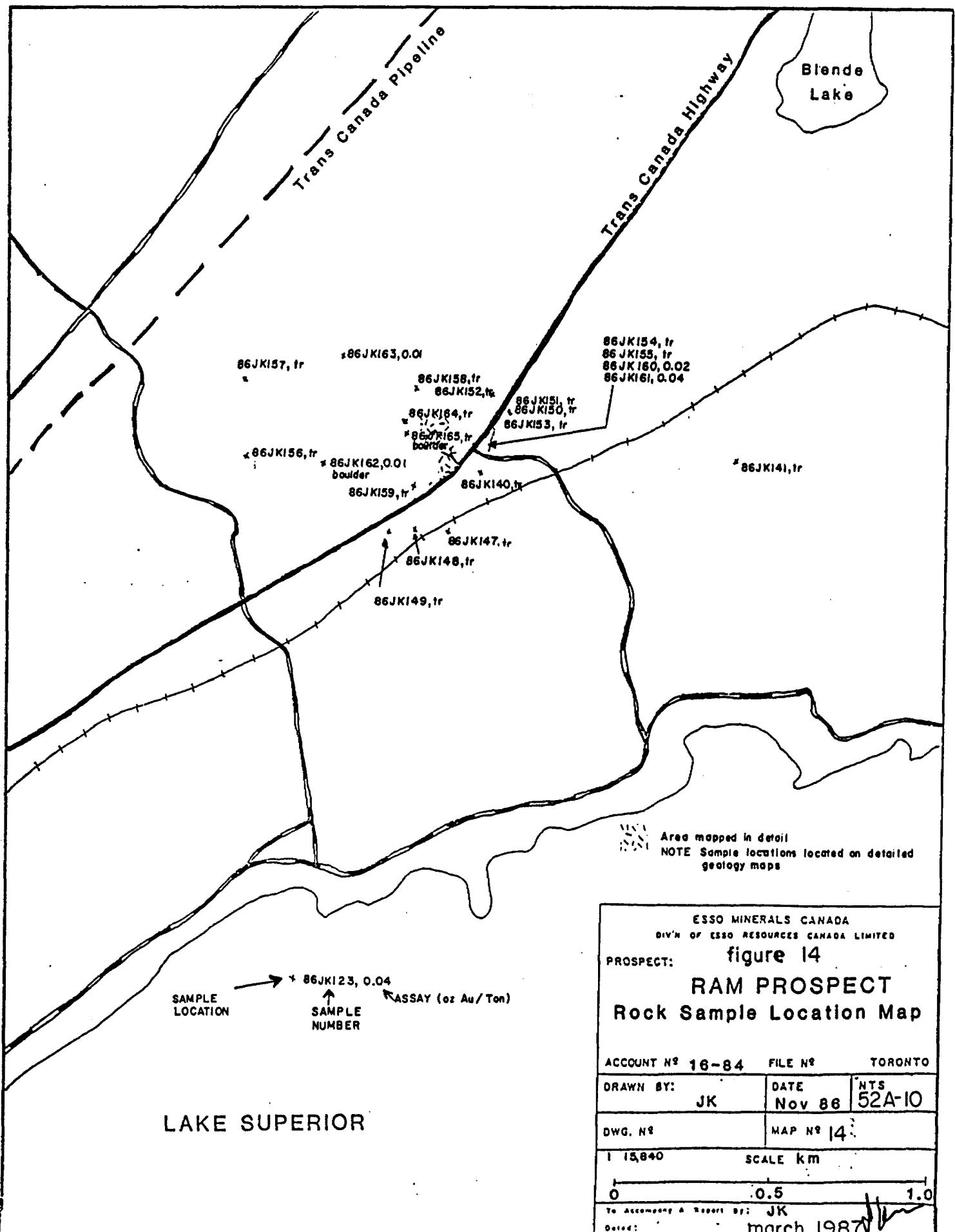
The surface occurrences of the three known mineralized zones were mapped in detail at a scale of 1:100. Detailed descriptions of all grab samples from both the detail mapping program and the reconnaissance mapping program are given in Appendix 3, and the sample locations are plotted on Figure 14, and Maps A,B and C.

(i) Quarry (MAP A)

On the western bank of the quarry, some 30m north of the Trans-Canada highway, there is abundant mineralized float up to 1m in diameter. The float is rusty, sericitized, highly silicified felsic rock containing up to 25% fine- to coarse-grained pyrite, 5% fine- to coarse-grained arsenopyrite and 1% fine-grained chalcopyrite. The sulfides are associated with quartz and quartz-carbonate veins, disseminations throughout the rock, and fracture coatings. Samples from these boulders assayed up to 0.08 oz Au/T, but averaged 0.01 oz Au/T.

At the north end of the quarry, two 0.5 to 1.0cm zones of pyritized-silicified-sericitized rock outcrop. The zones weather rusty green-yellow and are discontinuous.





(ii) Driveway Zone (Map B)

Fifteen metres south of the quarry, a one metre wide pyritic zone oriented at 165/80 was located within an intermediate tuff. A grab sample assayed 0.02 oz Au/T. The zone, weathers an orange-tan colour and contains several small quartz veins and 3-5% pyrite. The rock surrounding the joints and veins in the zone appears bleached.

(iii) Highway Outcrop (Map C)

Several 5-50cm wide silicified and sericitized zones within joint sets at various orientations contain up to 10% pyrite, trace sphalerite and chalcopyrite, and locally massive arsenopyrite. The massive arsenopyrite occurs in one vein and is typically 3-8cm wide. Samples containing massive arsenopyrite assayed up to 0.40 oz Au/T. The zones are highly weathered and poorly defined. The highest assays are from the zone closest to a lamprophyre dike. On the south side of the highway, a sample containing 10% pyrite in a quartz vein also spatially related to a lamprophyre dike, assayed 0.04 oz Au/T. Several samples of quartz veins within a lamprophyre dike assayed trace Au/T.

SOIL SAMPLING: ORIENTATION SURVEY

1) Method

An orientation soil sampling survey was undertaken to identify areas of anomalous gold mineralization, and the ideal sample spacing, soil horizon, and elements to be analyzed. Thirty B-horizon soil samples and thirty-one humus samples from a one line orientation survey across the mineralized area were analyzed for gold and arsenic. Every fourth sample was analyzed for copper and zinc. The methods of analyses and detection limits are listed in Appendix 6.

The location of the orientation line is illustrated in Figure 9. The line was established (pace and compass) and the sample stations were flagged and labelled. Where possible, samples were taken every 10 metres.

The two showings (the quarry and the highway outcrop) occur between station 0+25N and the end of the orientation line at 0+80S. Cultural effects along the Trans Canada highway and the powerline to the south, precluded soil sampling south of the highway.

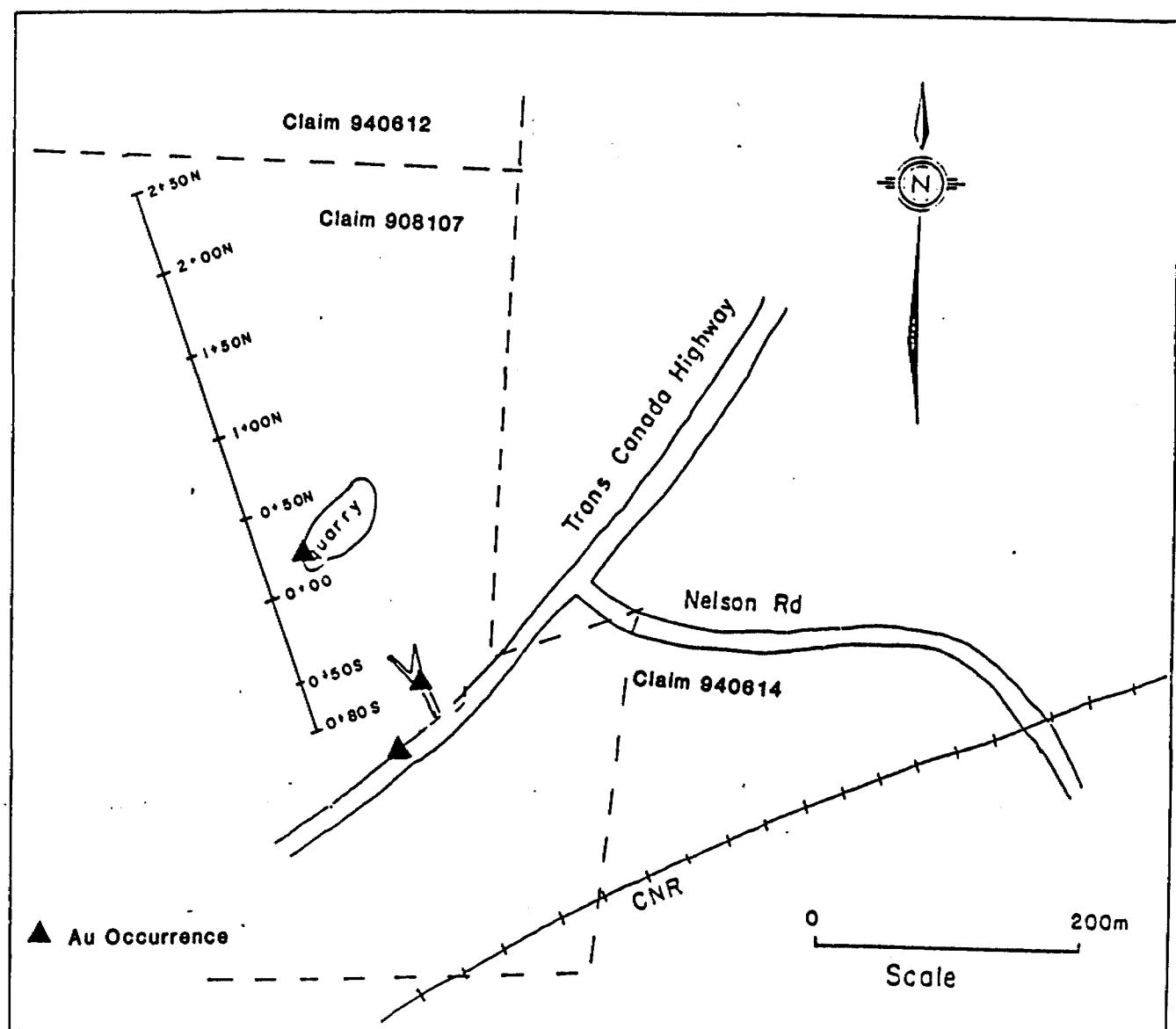


Figure 9

SOIL SAMPLE LOCATION MAP

FIGURE 10 Au Soil Sample Analyses Plot

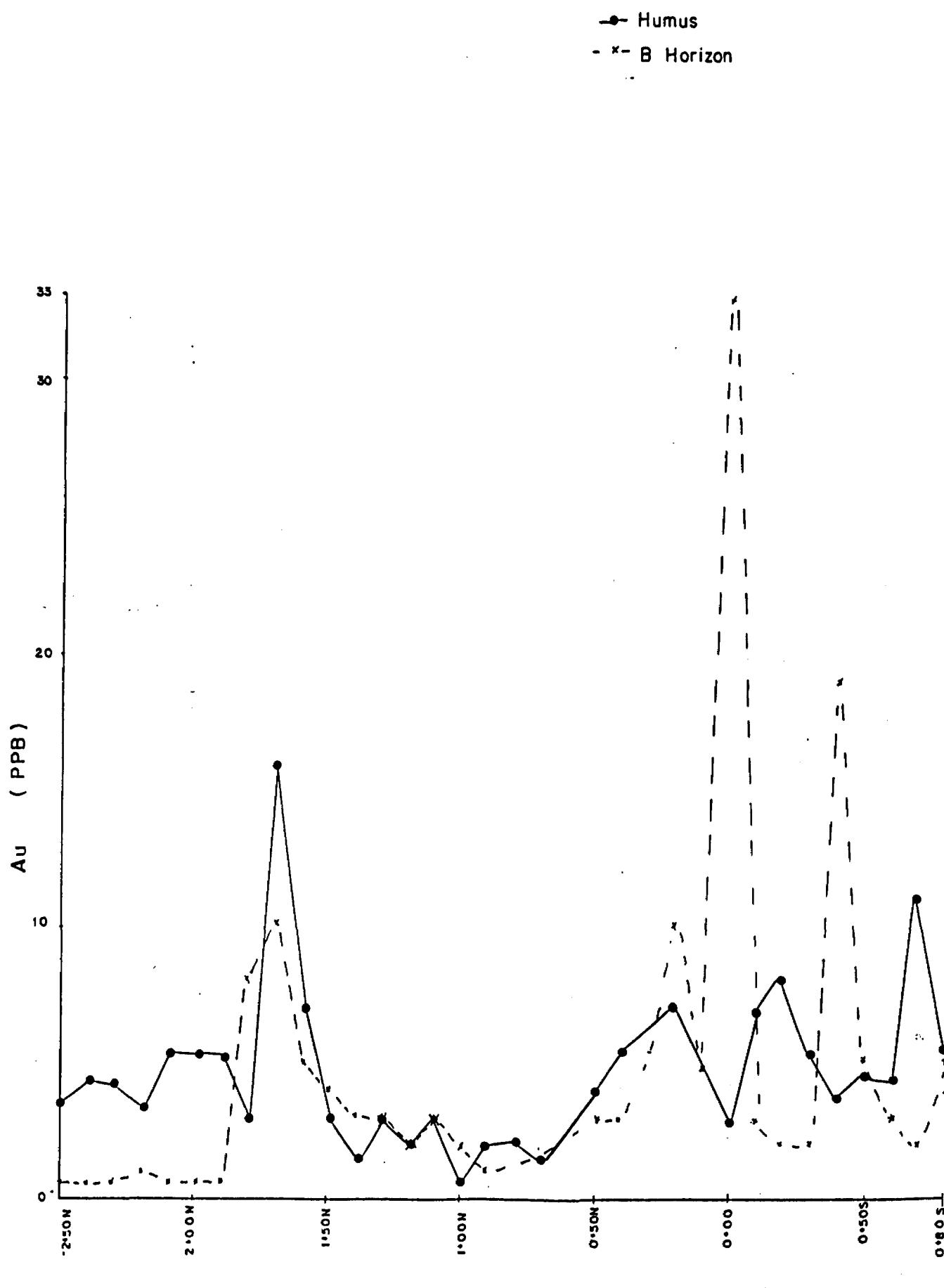


FIGURE II As Soil Sample Analyses Plot

- 15 -

● - Humus
- x - B Horizon

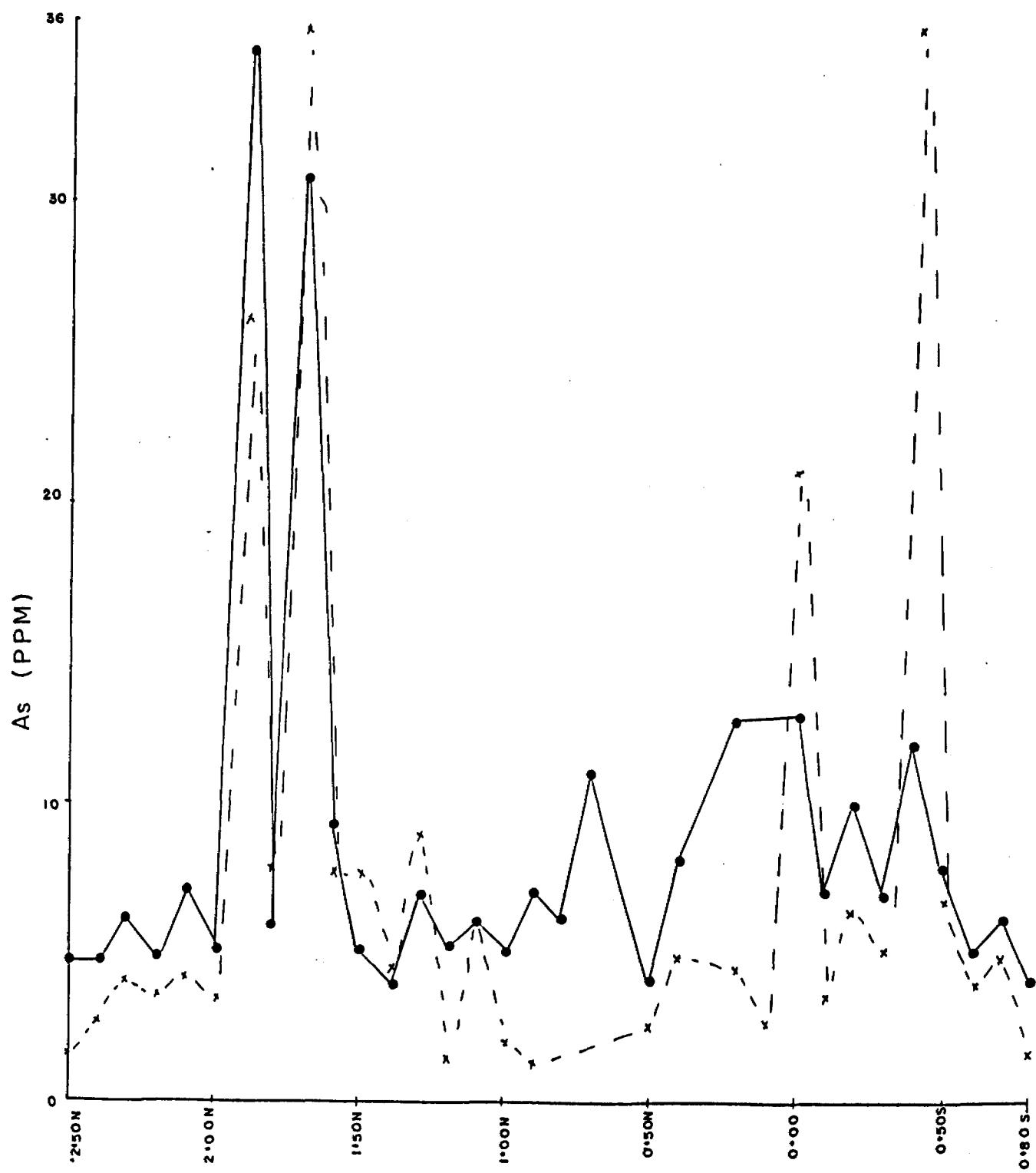


FIGURE 12 Zn Soil Sample Analyses Plot

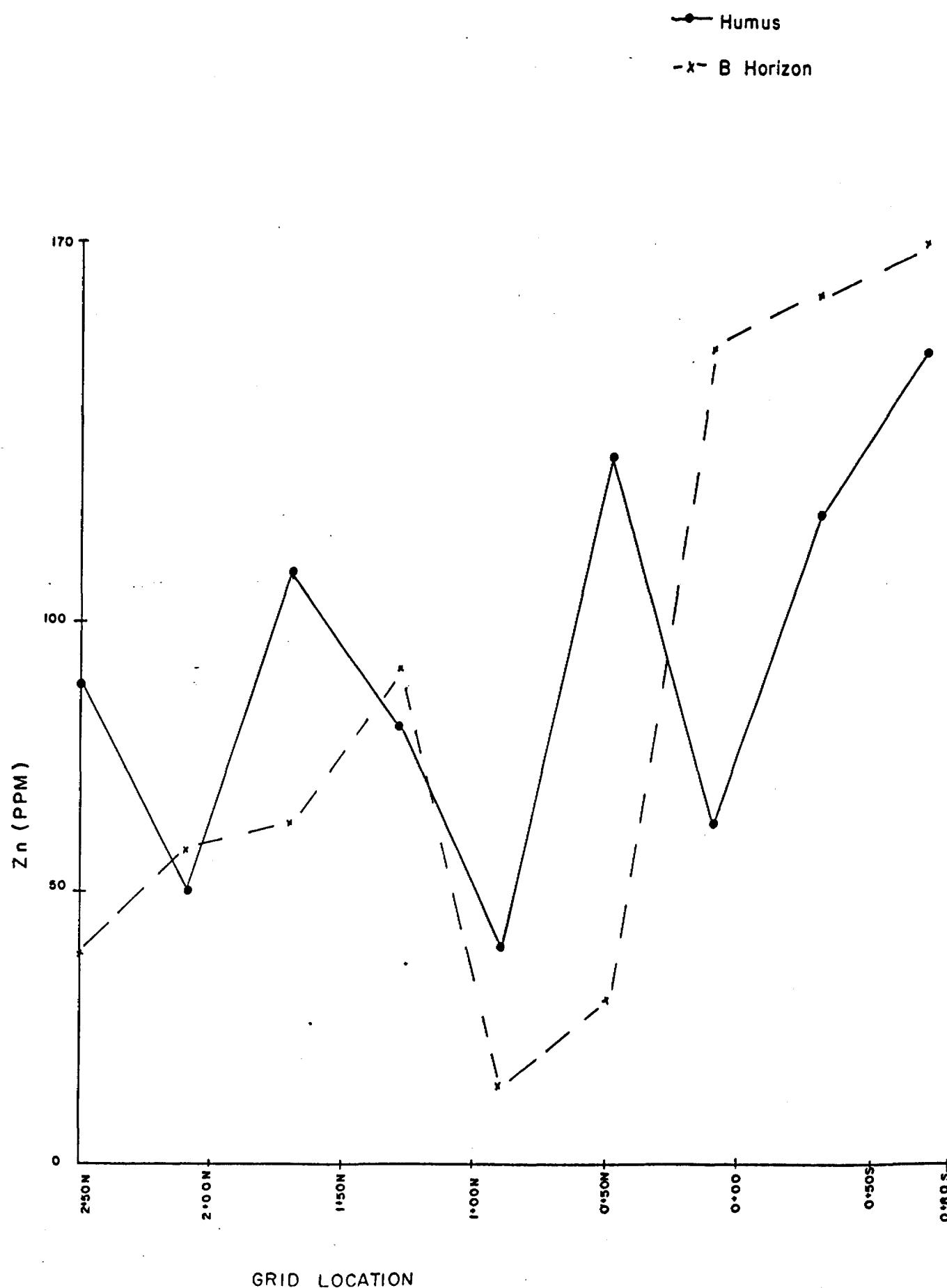
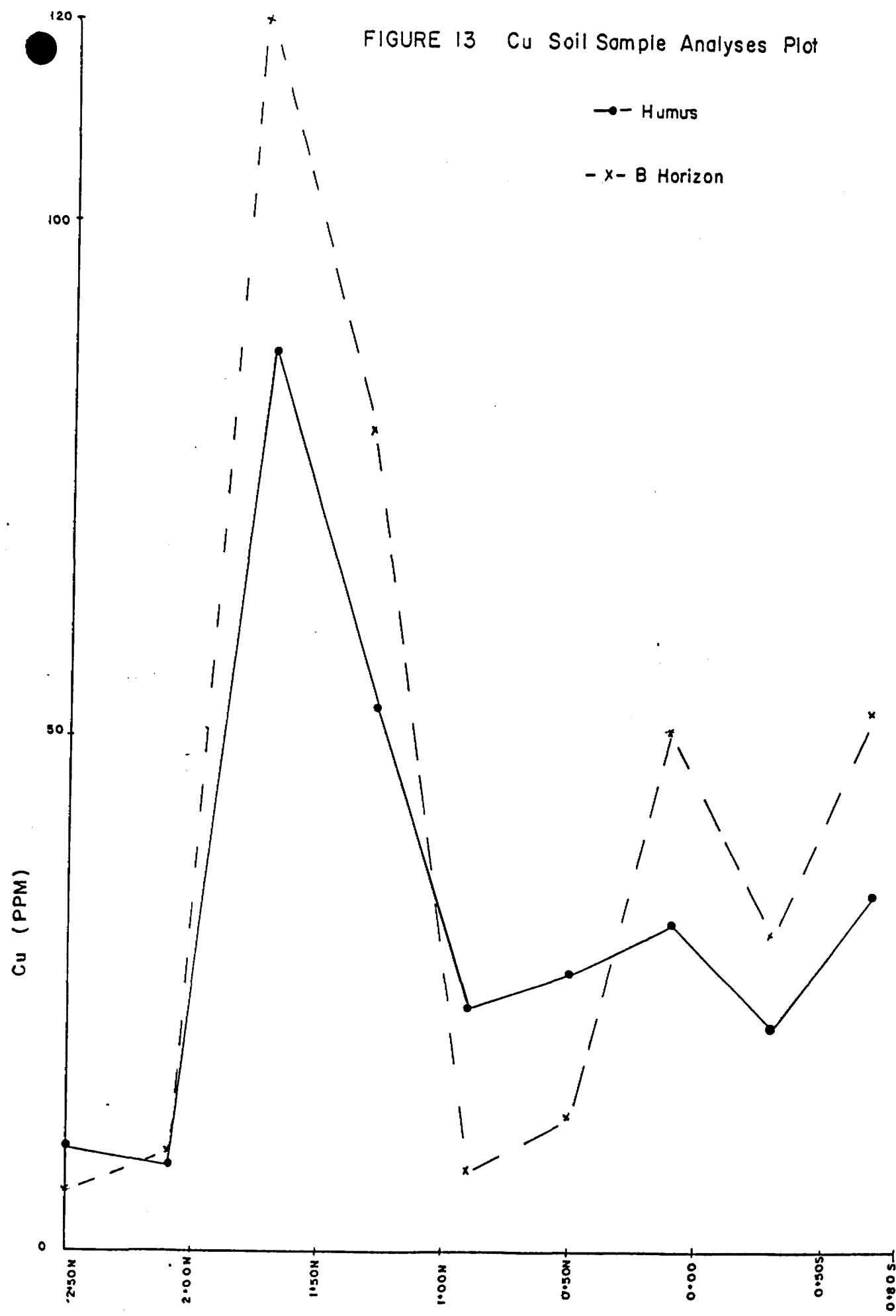


FIGURE 13 Cu Soil Sample Analyses Plot

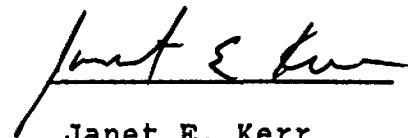


2) Results

Descriptions of the soils sampled are listed in Appendix 5, and the analytical results are listed in Appendix 6. Figures 10 to 13 are graphs of the soil sample location versus the analysis for a specific element (Au, As, Zn and Cu respectively).

Anomalous gold and arsenic results from the B horizon soil samples (up to 33 ppb Au and 36 ppm As) are coincident with known gold mineralization on surface near 0+00. No bedrock mineralization is known to coincide with the anomaly at 1+70N. Gold and arsenic analyses for the humus samples were less predictable, and the results from the copper and zinc analyses are erratic. Therefore, should a soil survey be carried out on the property, the B horizon should be sampled and analyzed for gold and arsenic. Due to the sporadic distribution of the Au and As and the weak and limited nature of the anomalies, the sampling interval should be no more than 12.5 metres on lines a maximum of 100m apart.

Respectfully submitted,



Janet E. Kerr

April 20, 1987.

REFERENCES

Scott, J.F.
1986: Precambrian Geology of MacGregor Township, East Half,
District of Thunder Bay; Ontario Geological Survey, Map
P.2985 Geological Series-Preliminary Map, scale 1:15,840.
Geology 1984, 1985.

APPENDIX 1 : LIST OF CLAIMS, EMC PROPERTY

CLAIM NO.	STAKING DATE	DUE DATE
940611	August 25, 1986	August 25, 1987
940612	August 25, 1986	August 25, 1987
940613	August 25, 1986	August 25, 1987
940614	August 25, 1986	August 25, 1987
940615	August 25, 1986	August 25, 1987
940616	August 25, 1986	August 25, 1987
940617	August 25, 1986	August 25, 1987
908614	Optioned from Mr. Doug Thibault	May 6, 1987

All claims are held by Esso Resources Canada Limited,
Esso Minerals Canada
120 Adelaide Street West
Toronto, Ontario
M5H 1S8

APPENDIX 2 : OWNERS OF SURFACE RIGHTS

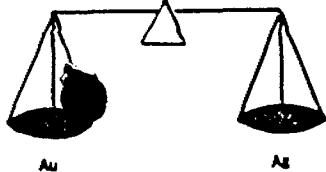
Mining Location	Location	Plan No.	Registration No.	Ownership
2B	all	841	142685	Harry J. Smith 104 Hull Ave. Thunder Bay
B3	all	55R5779	261683	Heinz/Heineckel/ Weber/Willner/ Nienaber/Ruedebusch/ Bischowski
	Klopstockstr 41A 1000 Berlin 38, West Germany			Lawyer: Christie Kislock 263 Park St., Thunder Bay
B6	S. of Hwy	55R1840	266513	Robert+Carla Smith R.R. #13, Nelson Rd Thunder Bay, Ont.
	N. Section	55R2573	265879	Marlene M. McMann
	exact location unknown			William+Loretta Price
	exact location unknown			James+Diane Redden
	W. 4th, N. half	55R5779	262226	Shuniah Contracting Ltd., Thunder Bay
	N. half, middle	55R5779	262225	Heinz/Weber/Willner Address: see B3
	N. half E. Section	55R5779	262224	Heinecke/Nienaber/ Buedebusch/Bischowski Address: see B3

APPENDIX 3: ROCK SAMPLE DESCRIPTIONS

<u>Sample No.</u>	<u>Location</u>	<u>Description</u>	<u>Assay (oz Au/Ton)</u>
86RH704	See detailed geology maps,	10% py, tr asp, 60 cm qtz vein	.06
86RH705	sample location map.	1% py ser felsic volc.	.02
86RH706		qtz vein ser. fel. volc	.04
86RH707		3% py, 2% sp, minor asp fracture set over 1m, ser-py locally qtz veinlets	.04
86RH708		80cm sil. zone, dip 20, 3% py minor sph on fractures, locally coarse py, fault gouge	.01
86RH758	roadside o/c	1% py, sil. zone	.01
86RH759	roadside o/c	3m west of 86RH758, same zone	TR
86RH760		fine gr. massive asp in 10cm v.	.22
86RH761		wallrock to fracture at 86RH760	TR
86RH701B	quarry	5% py, 1% cp in qtz-carb vein	TR
86RH702B	quarry	10% disseminated py in metagabbro	TR
86RH703B	railway	rusty tr py, qtz ser sch., qtz v	TR
86RH704B		fine gr. chert	TR
86RH705B		blue grey qtz, loc. slightly	TR
86JK100		qtz veinlets in sil-ser fel. rx	TR
86JK102		1% py, tr sph, int tuff, mafic frags	TR
86JK103		30% py, 1% cpy int. volc	TR
86JK104		sil volc.-10% py	TR
86JK105		1-5% py disseminated. int. lapilli tuff	TR
86JK106		qtz veins-int. volc. rx, 3% py	TR
86JK107		sil zone-py filled fractures	TR
86JK108		5% po coarse gr., int. volc	TR
86JK109		qtz vein in granite, 1-5% py	TR
86JK110		boulder-qtz vein, 5% py	TR
86JK111		py coated fractures, int. tuff	TR
86JK112		qtz vein 1% py	TR
86JK113		sil zone-1% py, tr cpy	TR
86JK114		qtz vein 2% py	TR
86JK115		qtz vein 2% py	TR
86JK116		boulder-sil rx/qtz vein 8% py	TR
86JK117		boulder-15% py, 1% cpy sil, ser	TR
86JK118		boulder-sil, 10% py	TR
86JK119		boulder, qtz-ser sch. 10% pytasp	TR
86JK120		2% py, 5% asp, int. rx	TR
86JK121		3% diss. asp, 1% py int. rx	TR
86JK122		boulder-20% asp. 8% py, tr cpy	.01
86JK123		silicified rock	
86JK123		boulder-25% py 10% asp, 2% cpy	.01
86JK124		qtz breccia	
86JK125		qtz vein-no visible sulfides	TR
86JK126		5% py qtz vein, sil wallrx	TR
86JK127		1% asp, int. rx	TR
86JK127		5% py, v. fine gr. felsic rx	.02
86JK128		10% py	TR
86JK129		ser-sil felsic rx, 1% py	TR

...../2

<u>Sample No.</u>	<u>Location</u>	<u>Description</u>	<u>Assay (oz Au/Ton)</u>
86JK130	See detailed		TR
86JK131	geology maps,	5% py mafic-umafic rx	TR
86JK132	sample loca-	5-10% py, tr cpy, sil-ser felsic	TR
86JK133	tion map.	5% py, 2% galena, sil felsic rx	TR
86JK134		10% py, ser-sil felsic rx, minor qtz veining	TR
86JK135		sil-ser felsic rx, 5-10% py, loc massive asp, extremely rusty	.40
86JK136		boulders-qtz locally rusty	TR
86JK137			.01
86JK138		8% asp, 4% py, sil felsic rx	.01
86JK139		5-10% py, felsic rx	TR
86JK140		1% py, int. volc.	TR
86JK141		rusty boulder-no visible sulf.	TR
86JK147		boulder, 1% py, int. rx	TR
86JK148		10% py felsic volc.	TR
86JK149		very rusty, felsic volc.	TR
86JK150		2mm qtz vein, 15% py, granite	TR
86JK151		qtz+felsic rx breccia, rusty	TR
86JK152		sil, ser, rusty, fol. int rx	TR
86JK153		1/2 cm qtz vein	TR
86JK154		6 cm qtz vein, in lamp dike	TR
86JK155		8% py, sil rx, in joint	TR
86JK156		boulder, 10% py extremely rusty	TR
86JK157		2 1/2 cm qtz vein, loc. rusty	TR
86JK158		felsic volc. boulder, Fe carb	TR
86JK159		10% py, very siliceous	TR
86JK160		10% py qtz veinlets, sil. rx	0.02
86JK161		qtz veinlets, 10% py	0.04
86JK162		1% py, rusty fine gr. fel. vol.	0.01
86JK163		very rusty, fine gr. argillite	0.01
86JK164		qtz vein, 5% py	TR
86JK165		boulders, 5% py sil-ser fel. rx	TR



PAUL'S CUSTOM FIRE ASSAYING LTD.

Phone: Bus. (807) 662-8171
Res. (807) 662-3361

Esso Minerals Canada Ltd.

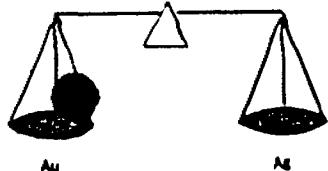
PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0RECEIVED
AUG 6 1986

ASSAY CERTIFICATE

Date: 5 July 28-86

Sample No.	Description	oz/ton Au	oz/ton Ag
RH-698	Ont. #34 (Rejects)	Trace	
99		"	
700		"	
01		"	
02		"	
03		"	
04		"	
05		"	
704	(Grabs)	.06	
05		.02	
06		.04	
07		.04	
08		.01	
15			
17			
20			
22			
23			

Assayer:



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PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

File 16-84-C4cc
Ram

Esso Minerals

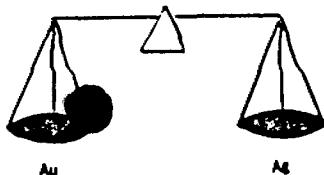
ASSAY CERTIFICATE

Date: Sept. 23-06

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	JK-104	Cut. #84	Trace	
2	05		"	
3	06		"	
4	07		"	
5	03		"	
6	09		"	
7	10		"	
8	11		"	
9	12		"	
10	13		"	
11	14		"	
12	15		"	
13	16		"	
14	17		"	
15	13		"	
16	19		"	
17	20		"	
18	21		"	
19	22		.01	
20	23		.01	
21	24		Trace	
22	25		"	
23	RH-746		"	
24				
25				

Assayer:

Paul Okanski



PAUL'S CUSTOM FIRE ASSAYING LTD.

- 26 -

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F6 16-84 C400

RAM

Esso Minerals Canada Ltd.

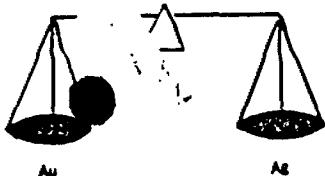
ASSAY CERTIFICATE

Date: Sept. 29-86

Sample No.	Description	oz/ton Au	oz/ton Ag
JK-100-86	Ont. #84	Trace	
102		"	
03		"	
126		"	
27		.02	
28		Trace	
29		.01	
30		Trace	
31		"	
32		"	
33		"	
34		"	
35		.40	
36		Trace	
37		.01	
38		.01	
39		Trace	
40		"	
41		"	

Answers

Rudolph



PAUL'S CUSTOM FIRE ASSAYING LTD.

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PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

~~oso~~ Minerals Canada Ltd.

ASSAY CERTIFICATE

Date: Oct. 6-86

Sample No.	Description	oz/ton Au	oz/ton Ag
47	Kam	"	
48		"	
49		"	
50		"	
51		"	
52		"	
53		"	
54		"	
55		"	
56		"	
57		"	
58		"	
59		"	
60		.02	
61		.04	
62		.01	
63		.01	
64		Trace	
65		"	

Ashley



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Res. (807) 662-3361

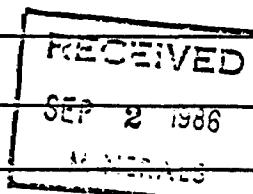
PAUL OKANSKI, Assayer
Box 253, Cochenour, Ontario P0V 1L0

Esso Minerals Canada Ltd.

ASSAY CERTIFICATE

Date: Aug. 25-86

	Sample No.	Description	oz/ton Au	oz/ton Ag
1	21-750	Ont. #34	.01	
2	52		Trace	
3	60-2		.22	
4	3		.22	
5	61		Trace	



ROCK SAMPLE RESULTS: J. SCOTT (1986)

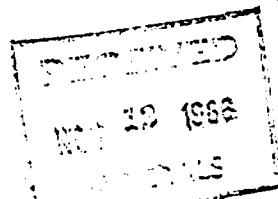
SAMPLE No	Au oz/t	Ag oz/t	Zn % Pb %	As	
JFS 64-1	0.01	<0.10			QTZ VEINS AT QUARRY
JFS 64-2	0.02	<0.10			DUMP MATERIAL
JFS 64-4	0.01	0.27			QTZ VEIN N OF QUARRY
JFS 64-7	1.06	1.40	0.30 0.09	3.10 %	S Shear, gossan Hwy 11/17
JFS 64-8	0.53	0.55	2.36 0.08	3.00 %	S. VEIN Hwy 11/17
JFS 64-9	0.01	0.17	0.02 0.30	0.22 %	S. VEIN Hwy 11/17
85 BBH-1	0.18	0.32			GRAB SAMPLE Hwy 11/17

APPENDIX 5: SOIL SAMPLE DESCRIPTIONS

LOCATION	SAMPLE NO.	DESCRIPTION
2+50N	86JK01	Sandy, thin humus layer
2+40N	86JK02	"
2+30N	86JK03	"
2+20N	86JK04	"
2+10N	86JK05	"
2+00N	86JK06	"
1+90N	86JK07	"
1+80N	86JK08	Black, burned wood
1+70N	86JK09	Poorly drained
1+60N	86JK10	"
1+50N	86JK11	"
1+40N	86JK12	"
1+30N	86JK13	"
1+20N	86JK14	"
1+10N	86JK15	"
1+00N	86JK16	Sandy
0+90N	86JK17	"
0+80N	86JK18	On edge of o/c, no B
0+70N	86JK19	"
0+60N	86JK20	On o/c no sample
0+50N	86JK21	Hollow between 2 o/c
0+40N	86JK22	"
0+30N	86JK23	On o/c, no sample
0+20N	86JK24	Beside o/c
0+10N	86JK25	Sandy soil, no humus
0+00	86JK26	Brown soil, little humus
0+10S	86JK27	"
0+20S	86JK28	"
0+30S	86JK29	"
0+40S	86JK30	Loamy, dark brown
0+50S	86JK31	"
0+60S	86JK32	"
0+70S	86JK33	"
0+80S	86JK34	"

APPENDIX 6: SOIL SAMPLE ASSAY SHEETS

CERTIFICATE OF ANALYSIS



TO: ESSO MINERALS (CANADA) LIMITED
ATTN: JANET KERR
P.O. BOX 4029, TERMINAL "A"
120 ADELAIDE STREET WEST, SUITE 1801
TORONTO, ONTARIO M5W 1K3

CUSTOMER NO. 213

DATE SUBMITTED
10-OCT-86

REPORT 29899

REF. FILE 25364-A5

30 SOILS, 31 HUMUS PROJ. 16-84

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	1.000
AU PPB	NA	1.000
CU PPM	DCP	0.500
ZN PPM	DCP	0.500
AS PPM	FAA	0.100
AS PPM	NA	1.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 06-NOV-86

CERTIFIED BY

06-NOV-86 REPORT 29899 REF.FILE 25364-A5 PAGE 1 OF 2

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
86JK1B	<1	6.0	38.0	1.6
86JK2B	<1	--	--	2.6
86JK3B	<1	--	--	4.0
86JK4B	1	--	--	3.4
86JK5B	<1	9.5	58.0	4.0
86JK6B	<1	--	--	3.6
86JK7B	<1	--	--	26.0
86JK8B	8	--	--	7.8
86JK9B	10	120.	63.0	36.0
86JK10B	5	--	--	7.6
86JK11B	4	--	--	7.6
86JK12B	3	--	--	4.4
86JK13B	3	80.0	92.0	8.4
86JK14B	2	--	--	1.6
86JK15B	3	--	--	6.0
86JK16B	2	--	--	2.0
86JK17B	1	8.0	15.0	1.2
86JK21B	3	13.0	31.0	2.6
86JK22B	3	--	--	4.8
86JK24B	10	--	--	4.4
86JK25B	5	51.0	150.	2.8
86JK26B	33	--	--	21.0
86JK27B	3	--	--	3.6
86JK28B	2	--	--	6.4
86JK29B	2	31.0	160.	5.1
86JK30B	19	--	--	36.0
86JK31B	5	--	--	6.4
86JK32B	3	--	--	3.8
86JK33B	2	53.0	170.	4.8
86JK34B	5	--	--	1.8

06-NOV-86 REPORT 29899 REF.FILE 25364-A5 PAGE 2 OF 2

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
86JK1H	<4	10.0	88.0	5
86JK2H	<5	--	--	5
86JK3H	<5	--	--	6
86JK4H	<4	--	--	5
86JK5H	<6	9.0	51.0	7
86JK6H	<6	--	--	5
86JK7H	<6	--	--	35
86JK8H	3	--	--	6
86JK9H	16	88.0	110.	31
86JK10H	6	--	--	9
86JK11H	.3	--	--	5
86JK12H	<2	--	--	4
86JK13H	3	52.0	82.0	7
86JK14H	2	--	--	5
86JK15H	3	--	--	6
86JK16H	<1	--	--	5
86JK17H	2	24.0	40.0	7
86JK18H	2	--	--	6
86JK19H	<2	--	--	11
86JK21H	4	27.0	130.	4
86JK22H	<6	--	--	8
86JK24H	7	32.0	63.0	13
86JK26H	3	--	--	13
86JK27H	7	--	--	7
86JK28H	8	--	--	10
86JK29H	<6	22.0	120.	7
86JK30H	4	--	--	12
86JK31H	<5	--	--	8
86JK32H	<5	--	--	5
86JK33H	11	35.0	150.	6
86JK34H	<6	--	--	4

APPENDIX 7: PERSONNEL/TIME WORKED

A) Personnel:

Mr. Randy Hall
325 Indian Grove
Toronto, Ontario
M6P 2H6

Ms. Janet Kerr
259 Kenilworth Ave.
Toronto, Ontario
M4L 3S9

B) Time Worked:

R. Hall : July 24, 26, 1986
August 21, 1986
September 10, 1986
October 7, 1986

J. Kerr : July 24, 1986
August 21, 1986
September 9-12, 14, 16, 18-26, 28-30, 1986
October 1-2, 7, 1986

APPENDIX 8: QUALIFICATIONS OF AUTHOR

Janet E. Kerr attended Queen's University in Kingston, Ontario between 1981 and 1985, graduating with a BSc (Honours) degree in Geology. Ms Kerr has spent six months in coal exploration in British Columbia and two years in gold and base metal exploration in northwestern Ontario and southeastern Manitoba.

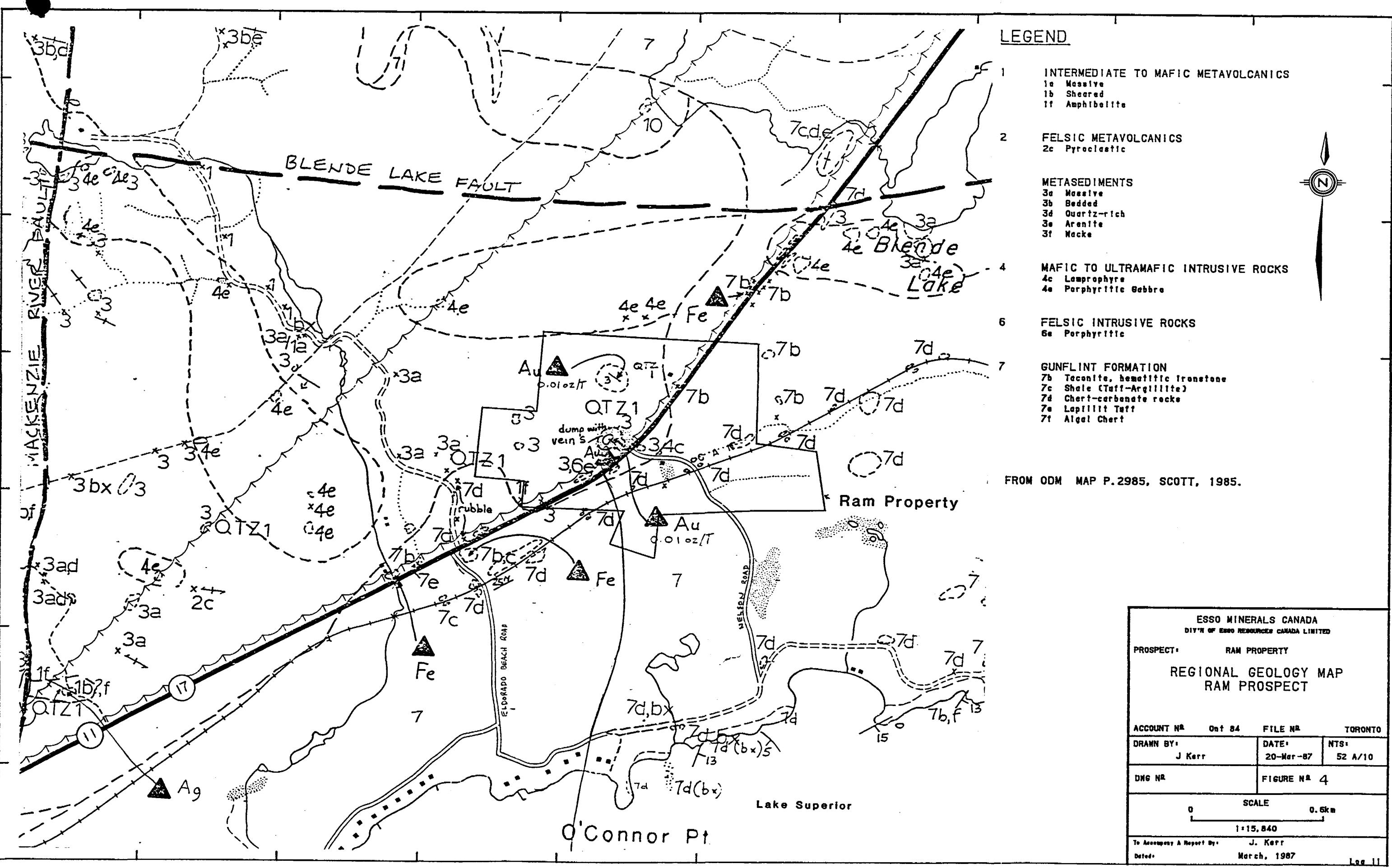
APPENDIX 9: EXPENDITURES

Assaying

Rock samples, for Au: 78 samples @ \$8.50 = \$ 663.00

Soil Sampling = \$ 698.60

Total \$1361.60



XRAL**X-RAY ASSAY LABORATORIES INC.**

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

ESSO MINERALS (CANADA) LIMITED

ATTN: JANET KERR
 P. O. BOX 4029, TERMINAL "A"
 120 ADELAIDE STREET WEST, SUITE 1801
 TORONTO, ONTARIO M5H 1K3

TTED TO:

ESSO MINERALS (CANADA) LIMITED

ATTN: JANET KERR
 P. O. BOX 4029, TERMINAL "A"
 120 ADELAIDE STREET WEST, SUITE 1801
 TORONTO, ONTARIO M5H 1K3

CUSTOMER NO. 213

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
29899	06-NOV-86	25364	10-OCT-86

TERMS

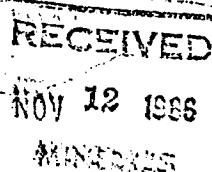
TERMS NET 30 DAYS

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

3.P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	16-84	HUMUS SOIL

PXGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
10X	SMALL FRY	22465	

NOTICE	DESCRIPTION/METHOD	XRAL CODE	UNIT COST	AMOUNT
18	CU, ZN, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	3.30	59.40
30	AU, PPB	2, 10, 7, 0, 0, 0	6.50	195.00
30	AS, MIXED ACID DIG.	3, 8, 0, 0, 0, 0	4.50	135.00
31	AU, AS, BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13, 2, 20, 0, 0, 0	8.00	248.00
30	SOIL, DRYING & SCREENING	99, 2, 0, 0, 0, 0	0.80	24.00
31	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	1.20	37.20



APPROVED FOR PAYMENT:

CHARGE TO:

1684 (905)
02-0905-3142-M684

698-60

SUB-TOTAL

\$ 698.60

SHIPPING CHARGES CUST. BROKERAGE TELE MINIMUM CHARGES

SURCHARGE - RUSH SERVICE

SCH-
RGES

OTHER

TOTAL IN

\$ 698.60

GINAL INVOICE

CUSTOM FIRE ASSAYING LTD.
BOX 253
COCHENOUR, ONTARIO P0V 1L0

DATE JULY 28 1956
NAME ESSO MINERALS CANADA LTD.
ADDRESS 170

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
---------	--------	--------	----------	------------

1	1/2 SAMPLE	104.00		
2				
3				
4	DWT # 84			
5				
6	AMOUNT FOR PAYMENT			
7	<i>[Signature]</i>			
8	CHARGE TO:			
9	One 84-905			
10	02-0905-3142-17684			
11	104.00			
12	TAX			
30	SIGNATURE			

3SCA-2

116 1053

CUSTOM FIRE ASSAYING LTD.
BOX 253
COCHENOUR, ONTARIO P0V 1L0

DATE	SEPT. 23 1984			
NAME	ESSO MINERALS (PACIFIC LTD)			
ADDRESS				
SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.

1	22 SAMPLERS	184.00
2	FREIGHT	20.30
3		204.30
4	RECEIVED	
5	ONT-84-905	1984
6		
7	OCT 8 1984	MATERIALS
8		
9		
10	RECEIVED	
11	ONT-84-905	
12	02-0905-3142	TAX - 176.84
5	SIGNATURE	P. COOPER

CUSTOM FIRE ASSAYING LTD.
BOX 253
COCHENOUR, ONTARIO P0V 1L0

DATE SEPT 29 1986

NAME ESSO MINERALS CAN.

ADDRESS

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
---------	--------	--------	----------	------------

1	19 SAM AV @ 850	152	00	
2	FREIGHT	15	15	
3		167	15	
4	TRANSPORT TO			
5	ADT. 8073			
6		00	8	00
7	GCT 0 1500			INERAS
8				
9	APPROVED FOR PAYMENT			
10				
11	BALANCE DUE			
12	ON - 84 - 905			
20	TAX			

CUSTOM FIRE ASSAYING LTD.
BOX 253
COCHENOUR, ONTARIO P0V 1L0

NAME <u>ESSO MINERALS Cash</u>				
ADDRESS <u>FTD</u>				
SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
123	STANDARD	184	00	
2	FREIGHT	15	15	
3		199	15	
4				
5	<u>OCT 16 84</u>			
6		RECEIVED		
7		OCT 16 1986		
8	<u>02-0905-3142-1684</u>			
9	APPROVED FOR PAYMENT		199.15	
10	<u>S. H.</u>			
11	CHANGE TO:			
12	ON FB4	TAX		
47	SIGNATURE			

3SCA-2

NOV 12 1986



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

#171



52A10SW0005 2.10035 MACGREGOR

900

Date: 908107

Mining ...

DO NOT USE SHADDED BOXES BELOW.

Type of Survey(s)

Geological

Township or Area

MacGregor

Jop G-672

Claim Holder(s)

Esso Resources Canada Limited; Esso Minerals Canada

Prospector's Licence No.

T872

Address

120 Adelaide St. W., Suite 1812, Toronto, Ontario M5W 1K3

Survey Company

Esso Minerals Canada

Date of Survey (from & to)

24 07 86 07 10 86

Total Miles of line Cut

Name and Address of Author (of Geo-Technical report)

Janet Kerr, 259 Kenilworth Ave., Toronto, Ont.

Credits Requested per Each Claim in Columns at right

Special Provisions		Geophysical	Days per Claim
For first survey:		- Electromagnetic	
Enter 40 days. (This includes line cutting)		- Magnetometer	
For each additional survey:		- Radiometric	
using the same grid:		- Other	
Enter 20 days (for each)		Geological	
		Geochemical	
Man Days	Geophysical	Days per Claim	
Complete reverse side and enter total(s) here	- Electromagnetic		
	- Magnetometer		
	- Radiometric		
	- Other		
	Geological	25.16	
	Geochemical		
Airborne Credits	Electromagnetic	Days per Claim	
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer		
	Radiometric		

Expenditures (excludes power stripping)

Type of Work Performed

Assays

Performed on Claim(s)

As above

Calculation of Expenditure Days Credits

Total Expenditures	\$ 663.00	÷ 15	= 44.2	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.

Date	Recorded Holder or Agent (Signature)
Apr. 28/87	Janet Kerr

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

John M. Hayes 325 Elmwood St. E.
Toronto, Ontario M4S 2H3

For Office Use Only	
Total Days Cr./Date Recorded Recorder	Date Approved as Recorded Branch Director
245.48 Apr. 29/87	Audrey M. Hayes

Date Certified

Apr. 29/87

Certified by (Signature)

C



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

Date: 908107

#172
210035

Open Management

Instructions: — Please type or print.

— If number of mining claims traversed exceeds space on this form, attach a list.

Note: — Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.

— Do not use shaded areas below.

Mining Act

Township or Area

MacGregor Twp. G-672

Prospector's Licence No.

T872

Type of Survey(s)

Geochemical

Claim Holder(s)

Esso Resources Canada Limited; % Esso Minerals Canada

Address

120 Adelaide St. W., Suite 1812, Toronto, Ontario M5W 1K3

Survey Company

Esso Minerals Canada

Name and Address of Author (of Geo Technical report)

Janet Kerr, 259 Kenilworth Ave., Toronto, Ont.

Date of Survey (from & to)

28 09 86 | 02 10 86

Total Miles of line Cut

Credits Requested per Each Claim in Columns at right

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

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	43-3/4

Airborne Credits	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic
	Magnetometer
	Radiometric

Expenditures (excludes power stripping)

Type of Work Performed

Chemical analyses

Performed on Claim(s)

TB 908107

Calculation of Expenditure Days Credits

Total Expenditures		Total Days Credits
\$ 698.60	÷ 15	= 46.57

Instructions

Total Days Credits may be apportioned to the claim holder's choice. Enter number of days credit in the columns at right.

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

1

For Office Use Only	
Total Days Cr. Date Recorded Recorded	Mining Recorder
90.35	Approved as Recorded
1987-10-28	Branch Director
R. M.	Randy S. Hall, 325 Indian Grove

Date: Apr. 28/87

Signature: Janet Kerr

I, the undersigned, certify that I have performed the work described in the Report of Work annexed hereto, having performed the work

Signature: Randy S. Hall, 325 Indian Grove

Toronto, Ontario M6P 2H6

Date Certified

Apr. 27/87

Certified by /Signature/



Ministry of
Northern Development
and Mines

**Geophysical-Geological-Geochemical
Technical Data Statement**

File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geochemical (Soil)

Township or Area Mac Gregor Twp

Claim Holder(s) Esso Resources Canada Limited
Esso Minerals Canada 120 Adelaide St. W TORONTO

Survey Company Esso Minerals Canada

Author of Report JANET KERR

Address of Author 259 Kenilworth Ave, TORONTO

Covering Dates of Survey July 24 - October 10/86
(linecutting to office)

Total Miles of Line Cut 3

MINING CLAIMS TRAVERSED
List numerically

TR 908107
(prefix) (number)

RECEIVED

MAY 11 1987

MINING LANDS SECTION

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
ENTER 20 days for each additional survey using same grid.	—Electromagnetic	
	—Magnetometer	
	—Radiometric	
	—Other	
	Geological	
	Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Apr 28/87 SIGNATURE: Janet Kerr
Author of Report or Agent

Res. Geol. _____ Qualifications This file

Previous Surveys

File No.	Type	Date	Claim Holder
.....
.....
.....
.....
.....

TOTAL CLAIMS _____

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 61

Type of Sample 31 Humus and 30 Soils
(Nature of Material)

Average Sample Weight 1 milligram

Method of Collection _____

Soil Horizon Sampled B and humus

Horizon Development _____

Sample Depth 0 to 10 cm

Terrain rolling hills

Drainage Development poorly drained

Estimated Range of Overburden Thickness 0-10 m

ANALYTICAL METHODS

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

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

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 X-Ray Assay Lab's

Extraction Method _____

Analytical Method DCP, AA, FADCP

Reagents Used _____

General samples were dried, pulverized
then analyzed using techniques
listed on cover sheet to one page
and summarized above

Mesh size of fraction used for analysis _____

General _____



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

October 26, 1987

Your File: 171
Our File: 2.10035

Mining Recorder
Ministry of Northern Development and Mines
435 James Street South
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

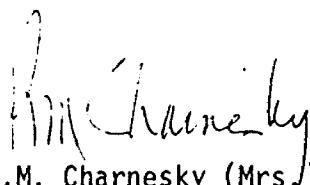
Dear Sir:

RE: Notice of Intent dated September 22, 1987
Geological Survey and Data for Assaying
on Mining Claims TB-908107, et al, in MacGregor Township

The assessment work credits, as listed with the above-mentioned
Notice of Intent, have been approved as of the above date.

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

Yours sincerely,


R.M. Charnesky (Mrs.)
Acting Manager
Mining Lands Section
Mineral Development and Lands Branch
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

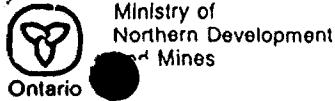
/m RM:pl

Enclosure: Technical Assessment Work Credits

cc: Esso Resources Canada Limited
120 Adelaide St. W.
Suite 1812
Toronto, Ontario
M5W 1K3

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

Resident Geologist
Thunder Bay, Ontario



Technical Assessment
Work Credits

File
2.10035

Date
September 22, 1987

Mining Recorder's Report of
Work No.
171

Recorded Holder

Esso Resources Canada Ltd.; Esso Minerals Canada

Township or Area

MacGregor

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	\$663.00 spent on analyses of samples taken from mining claims: TB - 908107 940611 - 614 inclusive 940617
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>
<input 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.	

44.2 assessment work days are allowed which
may be grouped in accordance with Section 76(6)
of the Mining Act.

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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

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; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.



Ministry of
Northern Development
and
Mines

Technical Assessment
Work Credits

File

2.10035

Date

September 22, 1987

Mining Recorder's Report of
Work No.

171

Recorded Holder

Esso Resources Canada Ltd.; Esso Minerals Canada

Township or Area

MacGregor

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	TB 908107
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ 25.16 days	
Geochemical	
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>
<input 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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

TB 940611 - 940617 inclusive

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.

REFERENCES

AREAS WITHDRAWN FROM DISPOSAL			
	MFO - Mining Rights Only	SFO - Surface Rights Only	M + S - Mining and Surface Rights
Description	Order No.	Date	Description
	43/75	5/8/75	N+5

LEGEND

LEGEND		POSITIONS OR OWNERS	
AND ROUTE NO.			
ADS			
ADDITIONAL LINES			
HIPS, BASE LINES ETC.			
DEFINING CLAIMS PARCELS, ETC.			
ED LINES			
ES			
BOUNDARY			
CLAIMS ETC			
AND RIGHT OF WAY			
LINES			
ANNUAL STREAM			
OR FLOODING RIGHTS			
ON OR COMPOSITE PLAN			
TIONS			
SHORELINE			
MUSKEG			
MONUMENT			

<u>TYPE OF DOCUMENT</u>	<u>SCALE: 1 INCH = 40 CHAINS</u>	<u>FEET</u>	<u>0</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>6000</u>
PATENT, SURFACE & MINING RIGHTS							
" SURFACE RIGHTS ONLY							
" MINING RIGHTS ONLY							
LEASE, SURFACE & MINING RIGHTS							
" SURFACE RIGHTS ONLY							
" MINING RIGHTS ONLY							
LICENCE OF OCCUPATION							
ORDER-IN-COUNCIL							
RESERVATION							
CANCELLED							
SAND & GRAVEL							
<u>NOTE: MINING RIGHTS IN PARCELS PATENTED PRE-1913, VESTED IN ORIGINAL PATENTEE BY LANDS ACT, R.S.O. 1970, CHAP. 380, SEC.</u>							

TOWNSHIP 2.10035

MACGREGOR

M.N.R. ADMINISTRATIVE DISTRICT

THUNDER BAY

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

THUNDER BAY

Ministry of Natural Resources and Mines
Ontario

MAY 27, 1987

Date : OCTOBER , 1986.

G-672

Number:

G-6

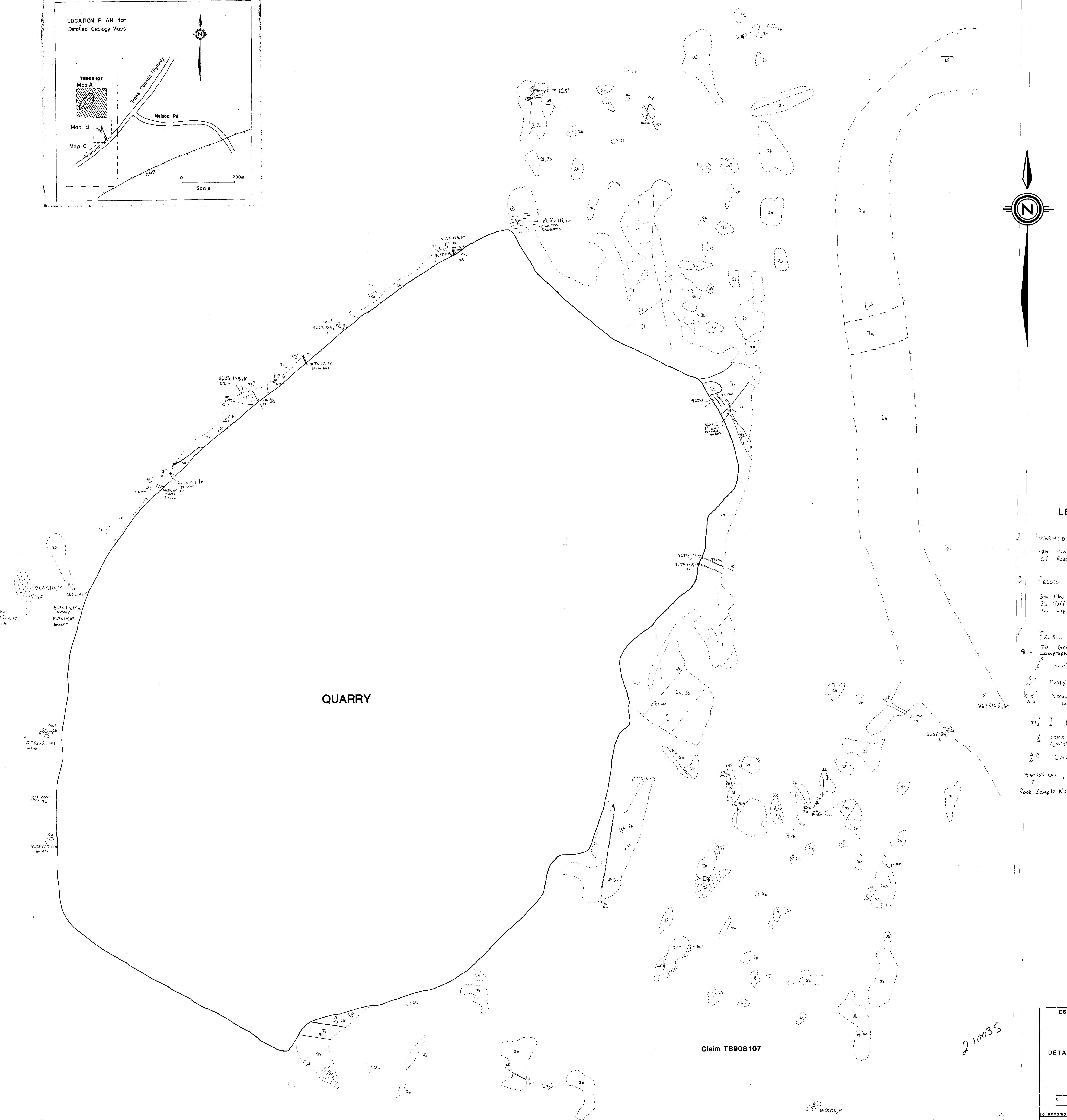
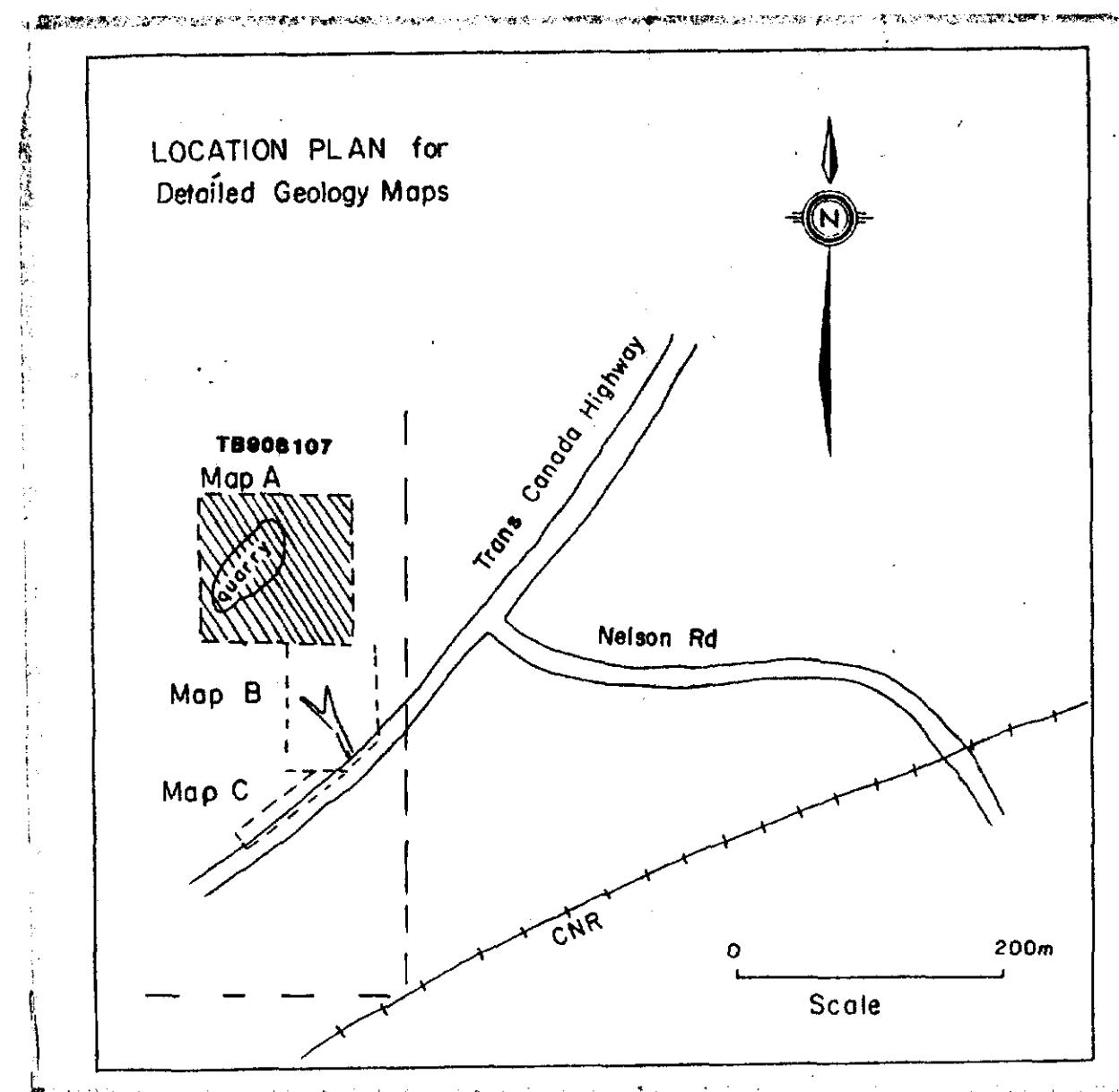
MCTAVISH TWP. G - 675

Tartan Lake Area

This historical map of the Thunder Bay area, located in Northern Ontario, Canada, shows a detailed survey grid with various townships and sections. Key features include:

- Geographical Labels:** Includes Lake Superior, Lake Huron, and numerous small lakes and bays along the coast.
- Townships:** Labeled with letters A through K and numbers 1 through 18.
- Roads and Railroads:** Shown as solid and dashed lines, with labels like "HORNSEY RAILROAD" and "THUNDER BAY RAILROAD".
- Islands:** Numerous islands are labeled, such as "Buck Island", "Lambert Island", "Keshabron Island", and "Mary Island".
- Points of Interest:** "O'Connor Pt.", "Krobel Pt.", "Chimney Rock", "Perry's Pt.", "Temple Rock", "Comine Point", "Mackenzie Reserve Land", and "Silver Harbor".
- Survey Data:** Includes "R.R. Plan No. 784", "R.R. Plan No. 825", "R.R. Plan No. 835", and "R.R. Plan No. 904".
- Scale:** The map includes a scale bar at the bottom right indicating distances from 0 to 200 miles.

The map is oriented with North at the top. The title "SUPERIOR BAY" is positioned vertically on the right side, and "THUNDER LAKE" is also present.



ESSO MINERALS CANADA
RAM PROPERTY
DETAILED GEOLOGY MAP A
SCALE 1:100 0m
To accompany a report by J. Kerr, Mar., 1987
Account 16-84

