REPORT ON A GEOLOGICAL SURVEY

ENGLISH-1

PRICE 035-01

NTS: 32-A-3/6

AMAX MINERALS EXPLORATION

Timmins, Ontario
August 1982

Sandra Davies

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

LIST OF MAPS

SUMMARY

During July of 1982, a geological survey was performed on a group of twenty-four (24) claims in Beemer and English townships, District of Sudbury, Ontario.

The property is centred on a wide shear zone in intermediate volcanics. An old gold showing on the south shore of Muskasenda Lake was sampled and assayed and returned up to 0.24 oz/ton Au. The shear zone in this area is approximately forty (40) feet wide, strikes N 30^{o} E and dips to the east.

It is recommended that a ground magnetic survey be conducted to locate the shear zone which is at the contact of a magnetic gabbroic intrusive.

Ground geophysics should also be conducted over the southern part of the lake during the upcoming winter season.

INTRODUCTION

A detailed geological survey was carried out on a group of twenty-four (24) claims in Beemer and English townships during July of 1982. The claim numbers are L-571587-93, L-571624-32, L-530690-94, L-530645, L-530685 and L-530689 and are recorded in the name of Amax of Canada Limited.

Project 035-01 is located on an old gold showing on the southern shore of Muskasenda Lake. Preliminary prospecting in the area have turned up grab samples running 0.1 oz/ton Au and 2.5 oz/ton Ag.

LOCATION AND ACCESS

The group of twenty-four claims is situated on the southern shore of Muskasenda Lake on the Beemer-English township line, District of Sudbury, Ontario.

Muskasenda Lake is accessible by a dirt road which exits west off the Papakomeka Lake Road at the English-Semple township line.

TOPOGRAPHY AND RESOURCES

Relief on the property is high with outcrop ridges flanking both sides of Muskasenda Lake. The land slopes inland towards swampy ground.

Vegetation consists of mature stands of pine and poplar on the high ground and spruce and alders in the swampy areas.

Water for diamond drilling is available from Muskasenda Lake and from a river to the west of the claim group.

PREVIOUS WORK

From Assessment Files

In 1963, Erie Canadian Mines Limited (Telluride Lake Property) discovered an 80 foot wide shear following a gabbro contact with some zones containing finely disseminated pyrite and small quartz veins.

Transterre Explorations Limited (1965) drilled the above showing. Generally, the old gold values were trace to 0.01-0.02 oz/ton. Higher values (0.32 oz/ton) in chlorite schist were found. The gold values were quite erratic.

The showing on the south shore of Muskasenda Lake was drilled by N. Bragagnolo in 1965. A total of five (5) holes were put down on the shear zone. The best hole was #C1, which intersected pyritized and silicified chlorite schist. Highest Au value was 0.32 oz/ton over 2 feet. The other four holes apparently did not cut the mineralized horizon. Best assay from these was 0.03 oz/ton/0.5 feet.

Found In Field

A number of trenches and pits were found in felsic volcanics on the west shore of Muskasenda Lake. A trench in a quartz stockwork was found on the southern shore.

SURVEY METHOD

The survey was performed by S. Davies and L. de St. Jorre during July of 1982. Airphotos at a scale of 1"=¼ mile and airphoto blow-ups at a scale of 1:5,000 were used. Amax grid lines were used for control while mapping the northern claims. Traverse lines at 125 metre intervals were run on the remainder of the claims.

REGIONAL GEOLOGY

Early Precambrian (Archean) metavolcanic and plutonic rocks underlie most of the area.

Two cycles of volcanics are recognized, each consisting of a lower unit of ultramafic metavolcanics, an overlying unit of mafic metavolcanics and an upper unit of intermediate to felsic metavolcanics.

A pretectonic, layered gabbroic sill and minor felsic epizonal intrusions are largely confined to the lower sequence of metavolcanics.

Late tectonic stocks of granodiorite and monzonite were emplaced within the metavolcanic-metasedimentary succession. The lower sequence of mafic and ultramafic metavolcanics was intruded by a large complex granitic batholith composed of at least three separate intrusive phases.

Diabase dykes are numerous and are not confined to a specific metavolcanic sequence.

The major structural features in the area consist of a domal structure in Geikie township that is flanked by large synclines to the north and south and numerous north-trending faults which are probably part of the Onaping Lineament.

PROPERTY GEOLOGY

Property 035-01 is centred on a wide shear zone in intermediate volcanics of the Middle Volcanic Formation of the Lower Volcanic Group. The shears strike approximately N 30^{o} E and dip 50^{o}-55^{o} to the southeast.

Quartz veining and minor carbonatization are associated with the shears. Anomalous gold values of up to 0.24 oz/ton Au were found on the southern shore of Muskasenda Lake. The shear

TABLE OF FORMATIONS

PHANEROZOIC

CENOZOIC

Quaternary - Pleistocene and recent

----------Unconformity----------

PRECAMBRIAN

LATE PRECAMBRIAN, MIDDLE PRECAMBRIAN - Olivine, quartz diabase

Huronian Supergroup

Cobalt Group

Gowganda Formation: Greywacke, arkose, conglomerate

----------Unconformity----------

EARLY PRECAMBRIAN (ARCHEAN)

Mafic Intrusive Rocks

Diabase

----------Intrusive Contact----------

Felsic Intrusive Rocks

----------Intrusive Contact----------

Metamorphosed Mafic and Ultramafic Rocks

Gabbro, serpentinized peridotite, quartz gabbro

----------Intrusive Contact----------

METAVOLCANICS AND METASEDIMENTS

Intermediate to Felsic Volcanics:

Tuff, breccia, massive to pillowed flows, interlayered siltstone, greywacke

Mafic Metavolcanics:

Massive and pillowed flows, tuff, volcanic breccia, pyroclastic rocks

Ultramafic Metavolcanics:

Serpentinized peridotite, spinifex texture flows, tuff, carbonatized peridotite

zone is found at the contact of a large gabbroic intrusion.

Felsic to intermediate volcanic flows (rhyodacite and dacite), mafic volcanic flows (andesite and basalt) and pyroclastics (agglomerate, tuff and crystal tuff) were found on the western shore. Pyrite and chalcopyrite mineralization were found associated with felsic tuff.

Numerous quartz-feldspar porphyry dykes intrude the gabbro and volcanics. They trend approximately east-west through the property.

The rocks are moderately to well foliated. They trend north-east and dip to the south in the northwest claims, and trend south-east and dip to the north in the south claims. A syncline fold axis has been interpreted to trend north-east through the centre of the property.

The quartz veins found on the property are usually associated with the shears and run in a north-east / south-west direction and dip to the south.

CONCLUSIONS AND RECOMMEDATIONS

The property is situated on a wide shear zone in intermediate volcanics of the Middle Volcanic Formation of the Lower Volcanic Group. An old gold showing on the south shore of Muskasenda Lake was sampled and assayed and returned up to 0.24

oz/ton Au. The shear zone in this area is approximately forty (40) feet wide, strikes N 30° E and dips to the west. This zone continued north to the west shore of a large island but assays were all low.

It is recommended that a detailed structural analysis be conducted on the shear and associated quartz vein.

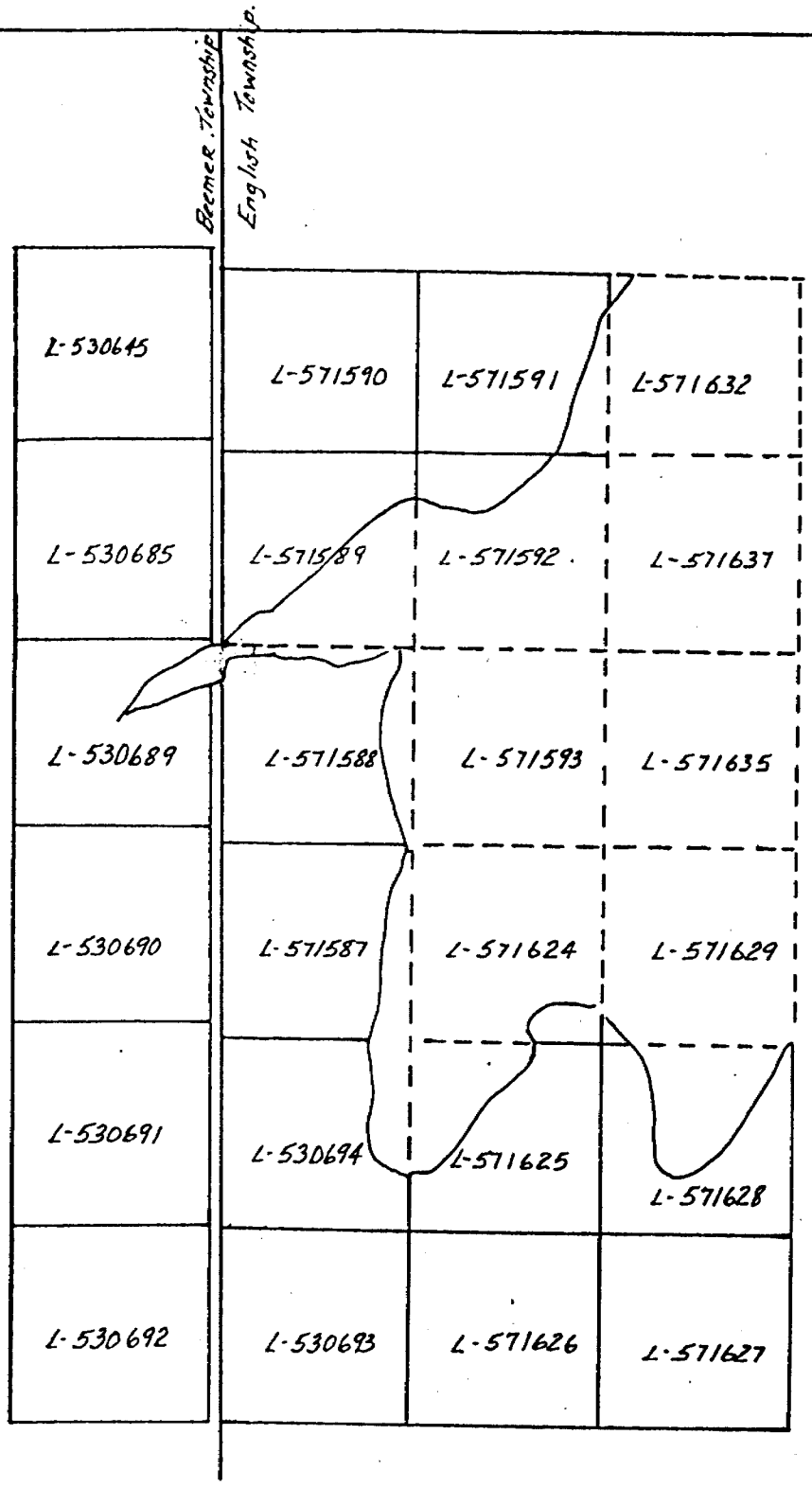
Ground geophysical surveys should be carried out to locate the shear zone which is associated with a magnetic gabbroic intrusion. It is also recommended that detailed ground geophysics be conducted over the southern part of Muskasenda Lake during the coming winter season.

Respectfully submitted,

S Davies

Timmins, Ontario
August, 1982

S. Davies



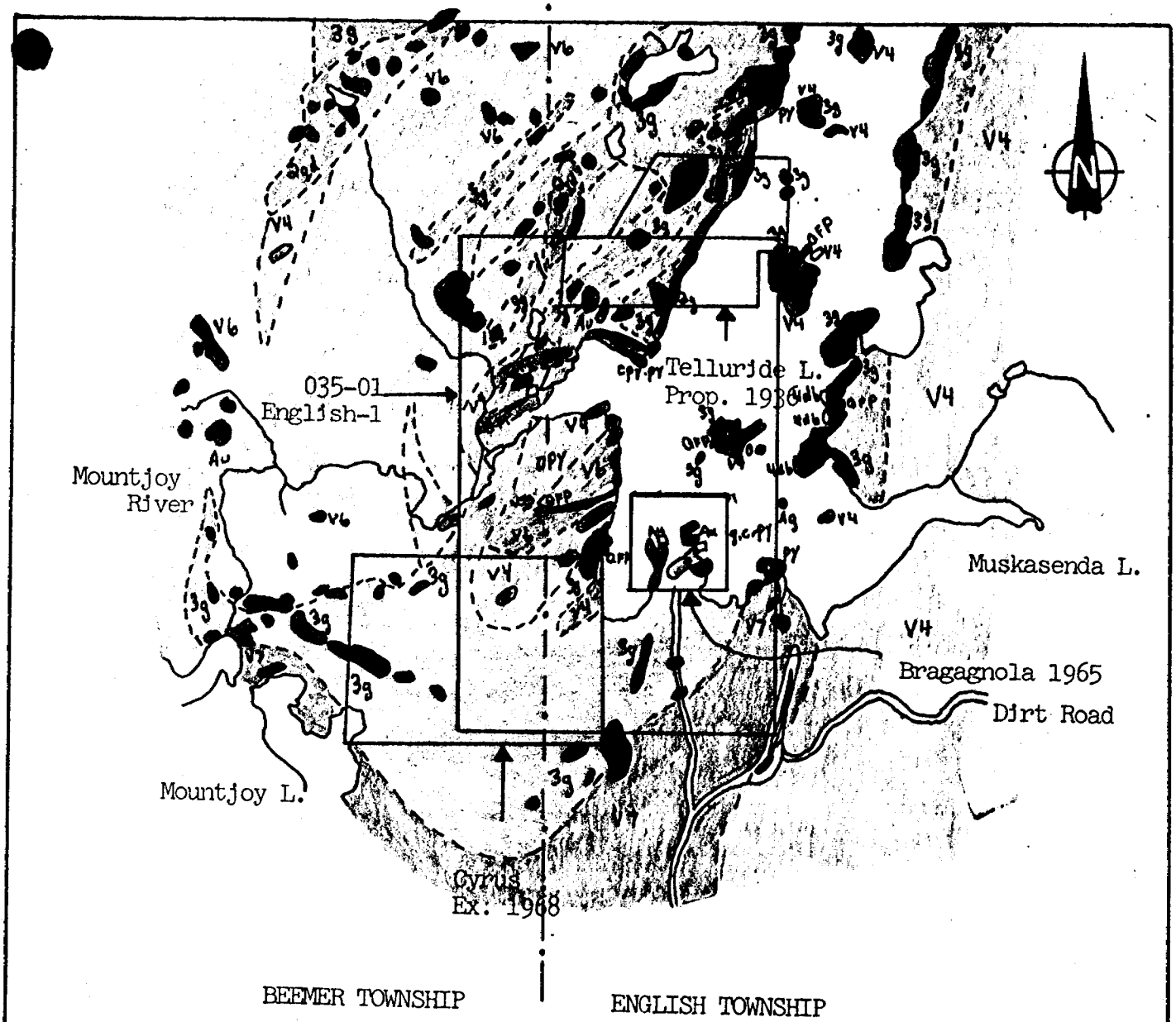
CLAIM SKETCH

Project 035-01

ENGLISH-1

English Township

Scale: 1"=¼ mile



LEGEND

V4	■	Dacite
V6	■	Andesite
V7	■	Basalt
QFP	■	Quartz-feldspar-porphyry
2qd	■	Quartz-diorite
3g	■	Gabbro
4db	■	Diabase

Outcrop

Geological Contact - observed
- inferred

Township Line

Trench

Pit

Ag Silver

Au Gold

Cpy Chalcopyrite Py - Pyrite

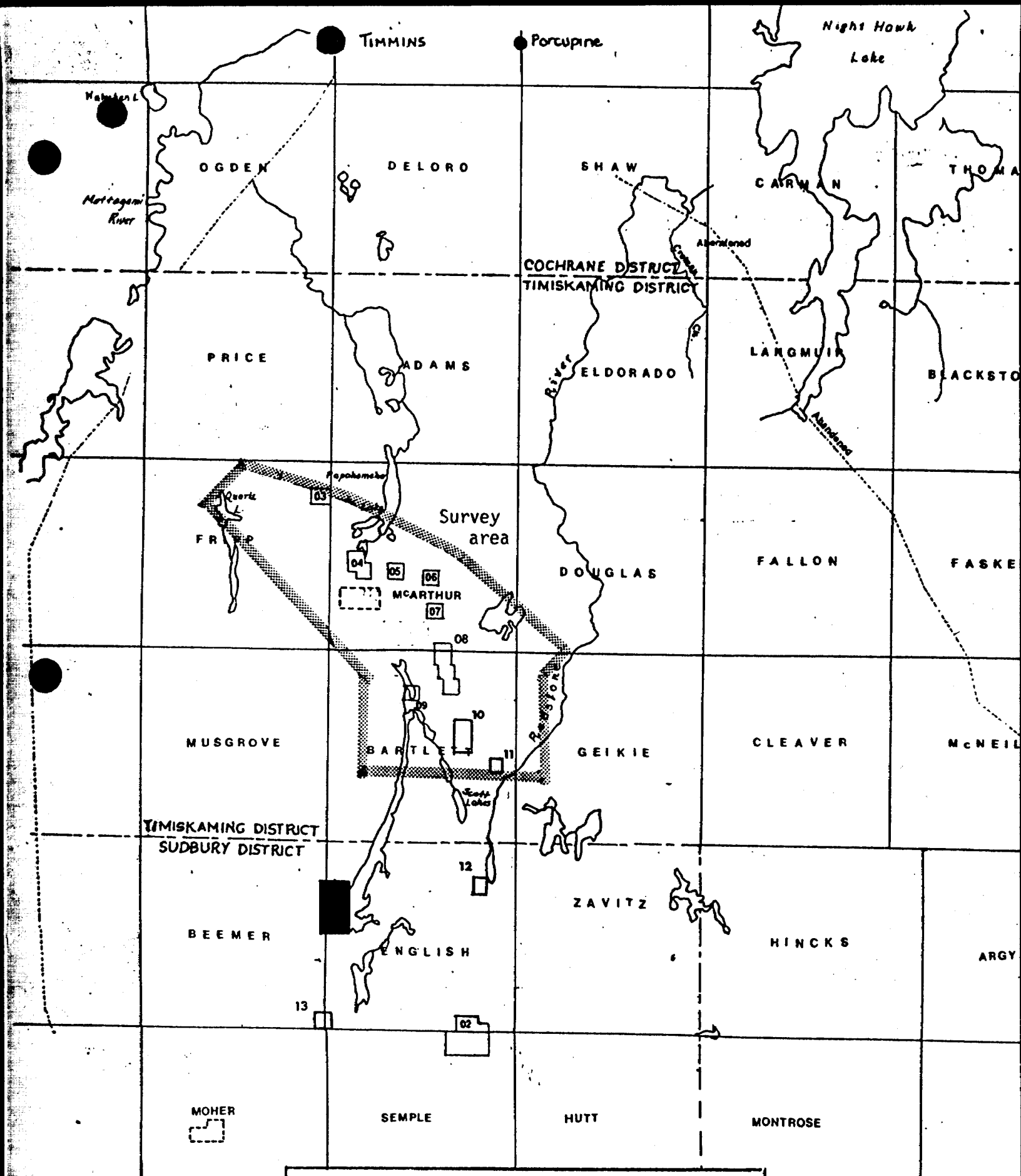
—— Telluride Lake Prop. 1936 -

—— Bragagnola 1965 - 6 holes drilled above Au showing

—— Cyrpus Ex. 1968 - Geology, EM and Mag Surveys.

AMAX MINERALS EXPLORATION

PROJECT : Price (035)
GROUP : 035-01; English-1
TOWNSHIP: English & Beemer
SURVEY : Compilation
DATE : August, 1982
SCALE : 1" = ½ mile



LOCATION SKETCH

Project 035-01, English-1

Scale: 1:250,000.

Scale 1:250,0

APPENDIX A

SCHEDULE OF CLAIMS

PROJECT PRICE
035-01

Claim Group	Township	Number	Claim Numbers	Recording Date
035-01 English-1	English	24	L-571587	March 2, 1981
			L-571588	March 2, 1981
			L-571589	March 2, 1981
			L-571590	March 2, 1981
			L-571591	March 2, 1981
			L-571592	March 2, 1981
			L-571593	March 2, 1981
			L-571624	March 2, 1981
			L-571625	March 2, 1981
			L-571626	March 2, 1981
			L-571627	March 2, 1981
			L-571628	March 2, 1981
			L-571629	March 2, 1981
			L-571630	March 2, 1981
			L-571631	March 2, 1981
			L-571632	March 2, 1981
			L-530693	March 2, 1981
			L-530694	March 2, 1981
	Beemer		L-530645	March 2, 1981
			L-530685	March 2, 1981
			L-530689	March 2, 1981
			L-530690	March 2, 1981
			L-530691	March 2, 1981
			L-530692	March 2, 1981

DECLARATION

I, Joseph A. MacPherson, of the City of Sudbury, in the Province of Ontario, with a mailing address of 255 Algonquin Blvd. West, Timmins, Ontario, do hereby declare:

1. I am a geologist employed by Amax of Canada Limited, with offices at 255 Algonquin Blvd. West, Timmins, Ontario.

2. I completed an honours B.Sc. programme (geology) in 1980 at Laurentian University in Sudbury, Ontario.

3. I did personally set forth the facts as outlined in this report and did conduct or supervise, or review, the work contained herein.

4. I do not have, nor do I expect to have, any interest in the properties held by Amax of Canada Limited.

Joseph A. MacPherson

Dated at Timmins, Ontario

1983 06 06 2.5163

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

Dear Sir:

RE: Geological Survey on Mining Claims L530645 et al
in the Beemer Township and English Township

The Geological Survey assessment work credits as listed with my Notice of Intent dated May 12, 1983 have been approved as of the above date.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

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

R. Pichette:mc

cc: Amax of Canada Limited
Timmins, Ontario
Attention: Sandra Davies

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

cc: Resident Geologist
Kirkland Lake, Ontario

Ministry of Natural Resources
Ontario

Technical Assessment
Work Credits

File
2.5163

1983 05 12

Recorded Holder
AMAX OF CANADA LIMITED

Township or Area
BEEMER TOWNSHIP AND ENGLISH TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	L 530645
Magnetometer _____ days	530685
Radiometric _____ days	530689 to 694 incl.
Induced polarization _____ days	571587 to 592 incl.
Section 86 (18) _____ days	571624 to 630 incl.
Geological 17 days	571632
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 86 (15a) 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

L 571593
L 571631

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 86(18)-60:

828

Ontario Resources

Land Admin (035-01 (File 2530645)) The Mining Act 2.5163

Geochemical and Expenditures)

credits calculated in the section may be entered in the Days Cr." columns. – Do not use below.

#3116

Type of Survey(s)	Township or Area
Geological Survey	Beemer and English
Claim Holder(s)	**Prospector's Licence No.**
Amax of Canada Limited	A-38495
Address	
255 Algonquin Blvd. West, Timmins, Ontario. P4N 2R8	
Survey Company	**Date of Survey (from & to)** Day | Mo. | Yr. Day | Mo. | Yr.	**Total Miles of line Cut**
Amax Minerals Exploration	07 82	
Name and Address of Author (of Geo-Technical report)	
Sandra Davies, 255 Algonquin Blvd. West, Timmins, Ontario. P4N 2R8	

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	530645	20
	530685	20
	530689	20
	530690	20
	530691	20
	530692	20
	530693	20
	530694	20
	571587	20
	571588	20
	571589	20
	571590	20
	571591	20
	571592	20
	571593	20
	571624	20
	571625	20
	571626	20
	571627	20
	571628	20
	571629	20
	571630	20
	571631	20

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	571632	20

RECEIVED
OCT 19 1982
MINING LANDS SECTION

LARDER LAKE MINING DIV.
RECEIVED
SEP 28 1982
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Total number of mining claims covered by this report of work: 24

Expenditures (excludes power stripping)

Type of Work Performed	
Performed on Claim(s)	

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
480	SEP 28 1982	
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)
Sept. 20, 1982	Rosemary Davies

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

J. MacPherson,
255 Algonquin Blvd. West, Timmins, Ontario. P4N 2R8

Date Certified	Certified by (Signature)
Oct. 21/82	J. A. MacPherson

Ministry of Natural Resources
Ontario

JUNE 3, 1983

Your file:

Our file: 2.5163

1983 05 12

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

Dear Sir:

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

Yours very truly,

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

E.F. Anderson
Director
Lands Administration Branch

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

R. Pichette:sc

cc: Amax of Canada Limited
Timmins, Ontario
Atth: Sandra Davies.

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

Ministry of Natural Resources
Ontario

Notice of Intent

for Technical Reports

1983 05 12

2.5163

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

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

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

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

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.5163

Jan 26/83

Mining Lands Comments

no qualifications
Qualifications are for the supervisor of the project – acceptable

☐ To: Geophysics

Comments

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☑ To: Geology - Expenditures MR Kwiatkowski

Comments

☒ Approved ☐ Wish to see again with corrections | Date March 18/83 | Signature eKwiatkowski.

☐ To: Geochemistry

Comments

LD

☐ Approved ☐ Wish to see again with corrections | Date | Signature

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

1593 (81/10)

316

1982 11 12 2.5163

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

Dear Sir:

We have received reports and maps for a Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L 530645 et al in the Township of Beemer and English.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

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

DW:sc

cc: Amax of Canada Limited
Timmins, Ontario
Attention: Sandra Davies.

AMAX MINERALS EXPLORATION
(A Division of AMAX OF CANADA LIMITED)

255 Algonquin Blvd. West
Timmins, Ontario
P4N 2R8

Telephone: (705) 264-5247

November 4, 1982

Our File: 035-01

Mr. F. W. Matthews,
Ontario Ministry of Natural Resources,
W1617, Whitney Block,
Queen's Park,
Toronto, Ontario.
M7A 1W3

Dear Sir:

Re: Mining Claims L.530645 et al.,
Beemer and English Townships

Enclosed herewith please find two (2) copies of a report and accompanying plan concerning a Geological Survey which was carried out over a total of twenty-four (24) contiguous mining claims located in Beemer and English Townships, northeastern Ontario.

A Report of Work concerning this survey has been filed with Mr. George Koleszar, Mining Recorder for the Larder Lake Mining Division.

Thank you.

Yours truly,
AMAX OF CANADA LIMITED

Rosemary Tittley

Rosemary Tittley (Mrs.)
Land Recorder

Encs. 2

c.c. K. Clemiss/E. Barclay, Toronto

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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) Geological Survey

Township or Area English and Beemer Townships

Claim Holder(s) Amax of Canada Limited

Survey Company Amax Minerals Exploration

Author of Report Sandra Davies

Address of Author 255 Algonquin Blvd. West, Timmins, Ont.

Covering Dates of Survey July 1982 (linecutting to office)

Total Miles of Line Cut _____

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	
–Magnetometer	
–Radiometric	
–Other	
Geological	20
Geochemical	

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

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

DATE: Sept. 1, 1982 SIGNATURE: Sandra Davies Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	530645
L	530685
L	530689
L	530690
L	530691
L	530692
L	530693
L	530694
L	571587
L	571588
L	571589
L	571590
L	571591
L	571592
L	571593
L	571624
L	571625
L	571626
L	571627
L	571628
L	571629
L	571630
L	571631
L	571632

TOTAL CLAIMS 24

If space insufficient, attach list

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

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

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION / RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

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

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

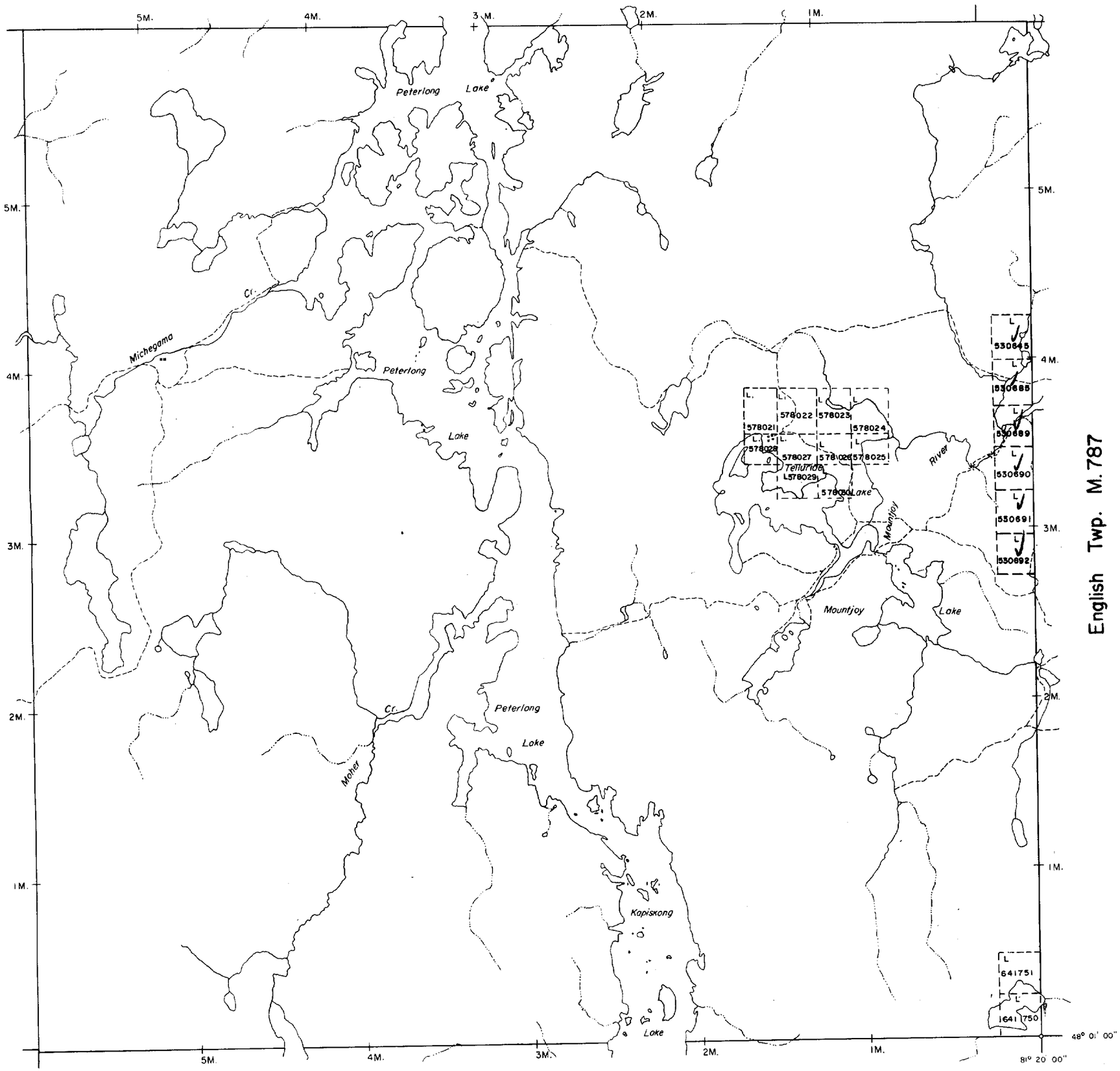
General _____

	check	Genl.			check	Genl.
				FILE NO. 2.5163		
1530645	✓	~~—~~				
685	✓	—		571630	✓	1/2
689	✓	—	removed completely →	631	✓	○
690	✓	—	(no credits)	632	✓	3/4
691	✓	—				
692	✓	—		24 claims		
693	✓	—				
694	✓	—		∴ 22 X 20 =	17	
571587	✓	—		26.5		
588	✓	—				
589	✓	1/4				
590	✓	—				
591	✓	1/4				
592	✓	3/4				
593	✓	○	← Removed completely (no credits)			
571624	✓	3/4				
625	✓	1/4				
626	✓	—				
627	✓	—				
628	✓	1/4				
629	✓	~~3/4~~	3/4			

Musgrove Twp. M.304

Hassard Twp. M.921

English Twp. M.787



Moher Twp. M.868

THE TOWNSHIP OF

BEEMER

DISTRICT OF SUDBURY

LARDER LAKE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

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

NOTES

400' Surface Rights Reservation around all lakes and rivers.

Flooding Rights in Peterlong & Kapiskong lakes assigned to H.E.P.C. L O 7191 File No.1162 Vol.4.

2.5163

PLAN NO. M.656

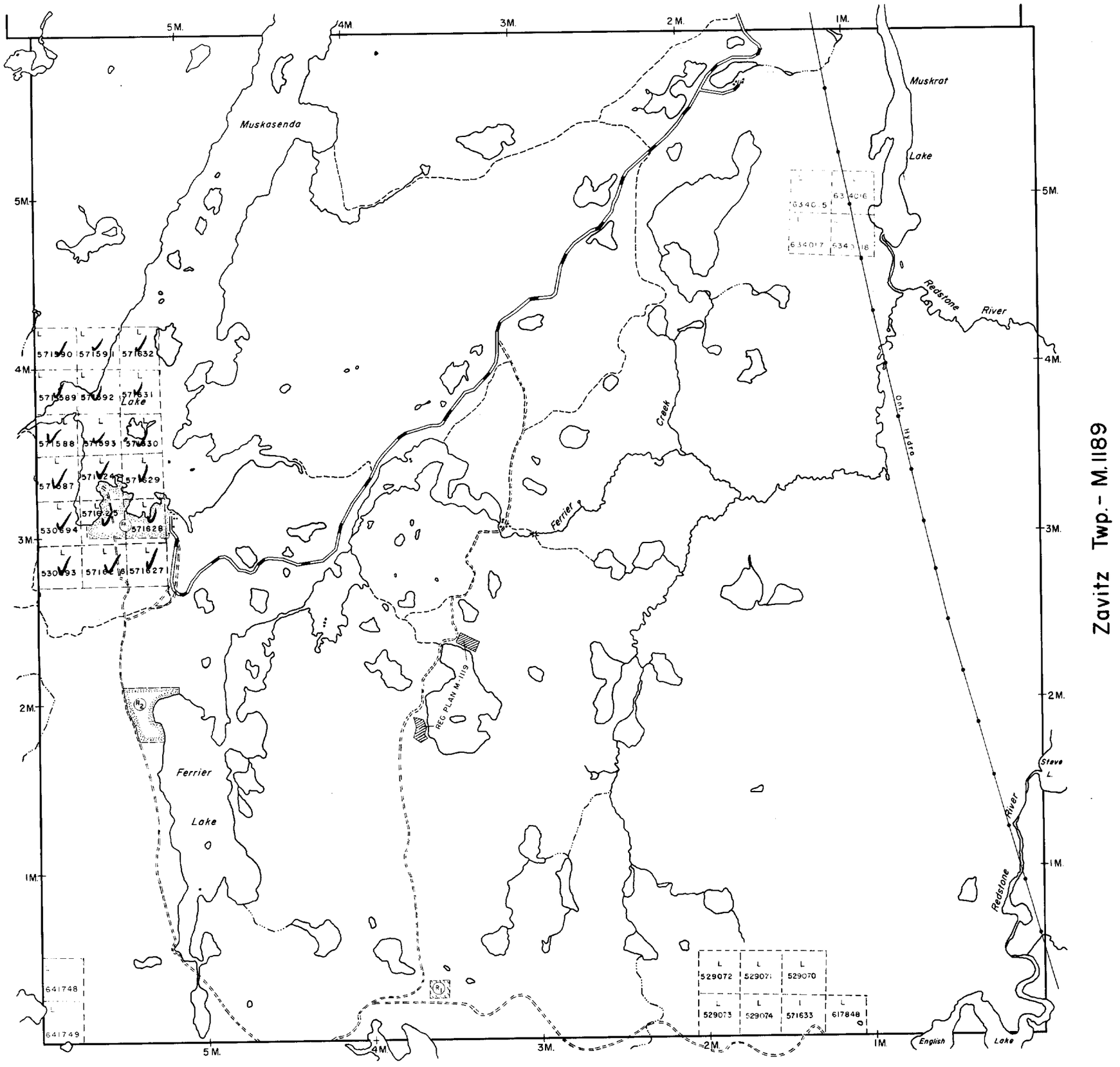
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Bartlett Twp. – M.262

Beemer Twp. – M.656

Zavitz Twp. – M.1189

Semple Twp. – M.1100



THE TOWNSHIP OF

ENGLISH

DISTRICT OF SUDBURY

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

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

NOTES

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

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

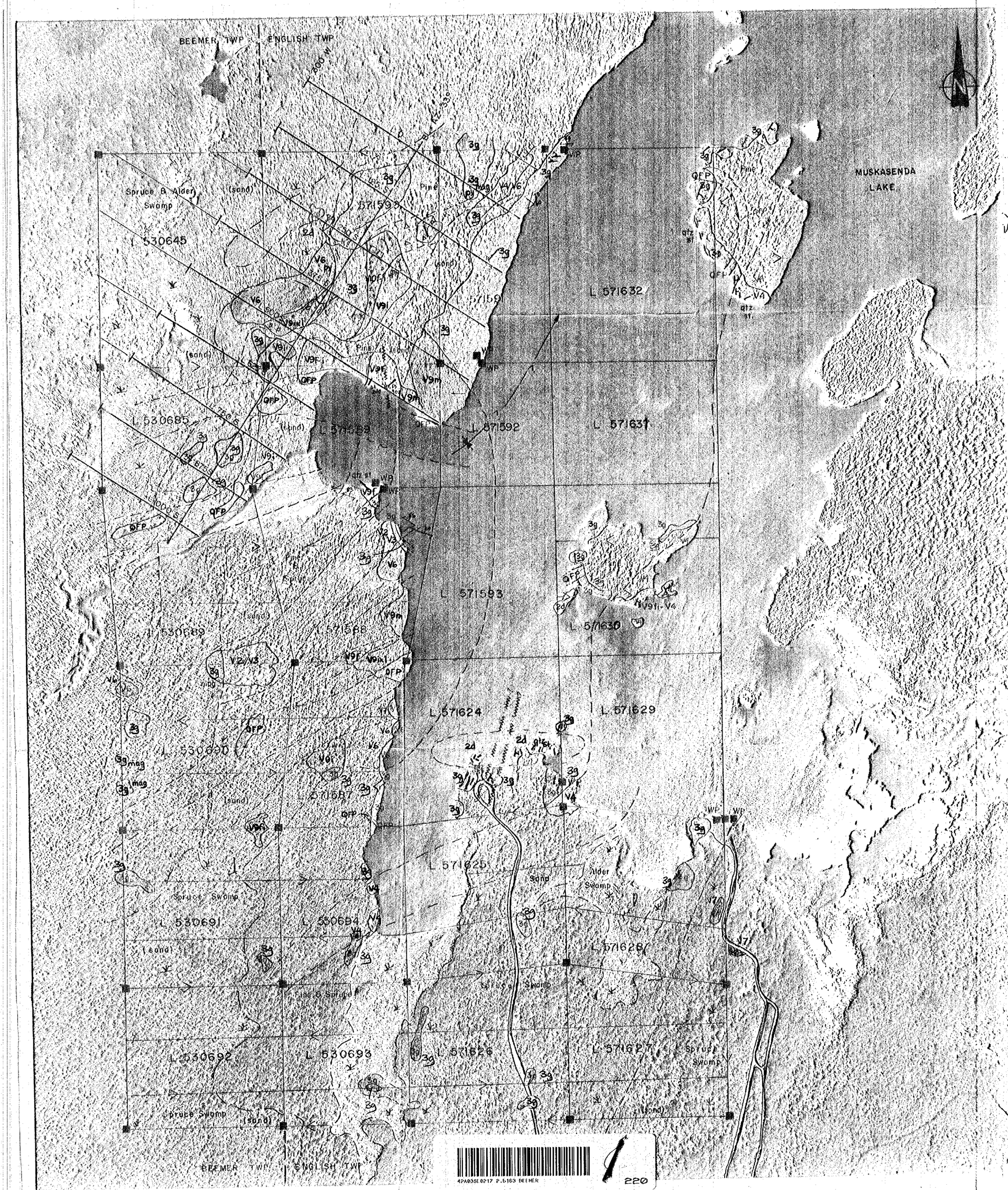
	Order No.	File	Date	Disposition
(R1)	W.18/77	83582	28/2/77	S.R.O.
(R2)	W.19/78	188543	10/4/78	S.R.O.
R3	W.30/78	192219	2/6/78	S.R.O.

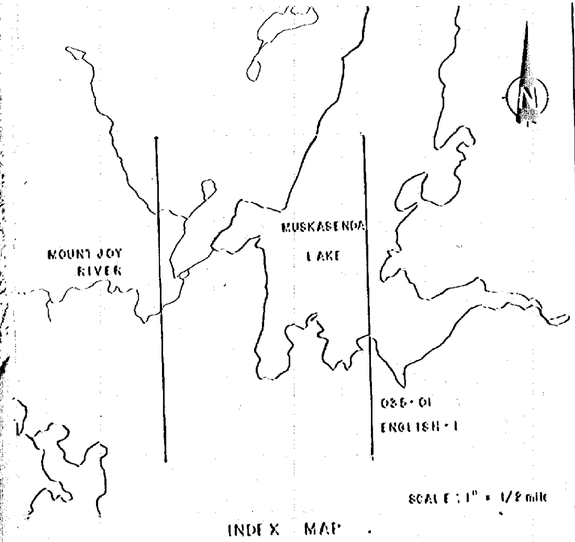
2.5163

PLAN NO.- M.787

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Bob K.





INDEX MAP

LEGEND

[ ]	V2/V3	Rhyolite / Rhyodacite
[ ]	V4	Dacite
[ ]	V6	Andesite
[ ]	V7	Basalt
[ ]	V9f	Felsic Tuff
[ ]	V9i	Intermediate Tuff
[ ]	V9m	Mafic Tuff
[ ]	V9ixl	Intermediate Crystal Tuff
[ ]	V10f-i	Felsic to Intermediate Agglomerate
[ ]	QFP	Quartz - Feldspar Porphyry
[ ]	2d	Diorite
[ ]	3g	Gabbro

SYMBOLS

	Claim Post
	Traverse Line
	Grid Line
	Foliation (dip known)
	Bedding - dip known
	- dip unknown
	Quartz Vein - dip known
	- dip unknown
	Cleavage (dip known)
	Shear zone
	Syncline with plunge (inferred)
	Geological contact - observed
	- inferred
	Outcrop
	Trench
	Pit
	Swamp
	Gravel road
Qtz. st.	Quartz stockwork
cpy	Chalcopyrite
py	Pyrite
ser.	Sericite
	Township line

Amax Minerals Exploration

Beemer Township/English Township

Geology Survey

035-01, English-1

Scale: 1:5000

NTS 42A/8

AUGUST 1987

TO ACCOMPANY REPORT BY: S. Davies

TIMMINS OFFICE

2.5163