



410155W0061 2.4687 DENYES

010

REPORT ON GEOPHYSICAL SURVEYS
SYLVANITE GROUP OF CLAIMS
DENYES TOWNSHIP
PORCUPINE MINING DIVISION
PROVINCE of ONTARIO

RECORDED

APR 13 1982

MINING LANDS SECTION

by

F.J. Evelegh

Exploration Department
Johns-Manville Canada Inc.

March 3, 1982
Asbestos, Quebec



41015SW0061 2.4687 DENYES

010C

Table of Contents

	<u>Page No.</u>
Introduction - - -	1
Property - - -	1 - 2
Location and Accessibility - -	2
Topography - - -	2
Previous Work - - -	2 - 4
General Geology - - -	4 - 6
Line Cutting and Chaining - -	6
Electromagnetic Survey - - -	6 - 7
Magnetometer Survey - - -	7 - 9
Conclusions and Recommendations -	10

List of Maps Accompanying this Report :

- Electromagnetic Profile Plan - Scale : 1" = 200'
- Geo-Magnetic Profile Plan - Scale : 1" = 200'
- Legend Sheet

REPORT ON GEOPHYSICAL SURVEYS
SYLVANITE GROUP OF CLAIMS
DENYES TOWNSHIP
PORCUPINE MINING DIVISION
PROVINCE OF ONTARIO

Introduction:

The following report describes the geophysical surveys completed during late October and early November 1981, on six mining claims recorded in the name of Johns-Manville Canada Inc., and located in Denyes Township, Porcupine Mining Division.

Cutting and chaining of grid lines were contracted to Ingamar Exploration of Connaught. This work was carried out during the first half of September 1981.

Electromagnetic surveying was conducted by J. Goodger, Senior Geologist, assisted by K. Gray, Fieldman and geophysical operator. Both men are company employees. A McPhar R.E.M. vertical loop unit was used for this work.

Magnetometer surveying was carried out by the same crew using a Fluxgate Model MF-1 unit.

Draughting, interpretation and compilation of the report were completed by personnel from both the Matheson and Asbestos offices. Supervision of the field work was handled by R. Kaltwasser, Senior Fieldman. Final interpretation and report compilation were the responsibility of the writer, Exploration Manager with Johns-Manville Canada Inc., based at Asbestos, Quebec.

Property:

The claims are contiguous, are situated in Denyes Township and are numbered P-609964-65-66-67 and 610802-03. Acreage totals approximately 240.

Property - continued -

Staking was carried out in early March 1981 and the claims were recorded on the 20th. All six claims have been transferred to Johns-Manville Canada Inc.

Location and Accessibility:

The property is located in the northeast quarter of the Township and is approximately one and one-half miles southwest of the south end of Denyes Lake. As there are no roads in the area access is by float or ski-equipped aircraft available from Theriault Air Services in Chapleau or Foleyet.

Landing can be made on the small lake to the southwest of Denyes from which a trail leads to the property - a distance of one-half mile.

Topography:

The map area is generally flat-lying, sand-covered and timbered with jack pine, spruce, balsam, birch and poplar. A narrow cedar swamp was noted in the east-central part of the claims.

Overburden is generally shallow and numerous, flat-lying, moss-covered outcrops were mapped on the eastern half of the group. A narrow stream flows in a northerly direction through the eastern part of the property. A small lake is located in the southwest corner of claim 610803.

Previous Work:

In 1934, H.C. Rickaby conducted geological mapping in the area and the results of his work were published in the Forty-third Annual Report of the Ontario Department of Mines in 1935, being the "Geology of the Swayze Gold Area". Map No. 4313 on a scale of one inch equals one mile accompanies this report.

Previous Work - continued -

Map No. 2246 G, Rollo Lake Sheet, on a scale of one inch equals one mile - part of the Aeromagnetic Series funded jointly by the Ontario Department of Mines and Geological Survey of Canada - was issued in 1963 and provides good coverage of Denyes Township.

Geological Report No. 63, entitled "Geology of the Halcrow-Ridout Lakes Area" compiled by J.F. Donovan, was published by the Ontario Department of Mines in 1968. Map No. 2120, on a scale of one inch equals one-half mile, accompanies this report and covers Denyes Township.

Map No. 2221, the Chapleau-Foley Sheet of the Geological Compilation Series - on a scale of one inch equals four miles, was issued in 1976 by the Ontario Ministry of Natural Resources. Denyes Township is shown on this map.

Preliminary Map No. P.2294 of the Timmins Data Series was published in 1979 and lists assessment work completed on various claims groups in Denyes Township.

It should be noted that Johns-Manville contracted an aerial magnetometer survey of the entire Swayze area in the early 1950's and the results were plotted on a series of maps on a scale of one inch equals one-quarter mile. Copies of this data are on file in our Matheson and Asbestos offices.

The data listed in the following paragraphs was obtained from the files in the Resident Geologist's office at the Ministry of Natural Resources in Timmins.

Erie Canadian Mines apparently optioned the claims from Sylvanite in the 1932 to 1935 period and sampled the showings and drilled five short holes. Copies of the assay plans are on file in Timmins but no data was available on the drilling.

Previous Work - continued -

Sylvanite Gold Mines presumably resampled the showings in 1940 and issued assay plans.

In 1964-65 Goldstar Exploration Ltd. carried out geological and magnetometer surveys on claims located immediately to the south of the Sylvanite Group.

Falconbridge Nickel Mines explored the property in 1972 and 1973. During that period a picket line grid was established, outcrops were mapped, the old trenches were cleaned out and resampled. A report on the claims was prepared by J.A. Kelly and trench plans were draughted.

General Geology:

The geology of Denyes Township is covered in Geological Report No. 63 being "Geology of the Halcrow-Ridout Lakes Area" compiled by J.F. Donovan and published by the Ontario Department of Mines in 1968. The following "Table of Formations" has been taken from Page 5 of this report.

Table of Formations

CENOZOIC:

Recent : Stream and swamp deposits.
Pleistocene : Sand, gravel, till.

Unconformity

PRECAMBRIAN:

Intrusive Rocks

Late Basic Intrusive Rocks:
Diabase.

Intrusive Contact

Intermediate to Ultrabasic Intrusive Rocks:
Diorite, gabbro, lamprophyre, serpentinite.

Intrusive Contact

General Geology - continued -

Granitic Rocks:

Granite, syenite, monzonite, quartz-monzonite, granodiorite, quartz diorite, gnessic granite.

Intrusive Contact

Intermediate to Basic Volcanic Rocks:

Massive andesite and basalt, pillow andesite and basalt, chlorite-hornblende-feldspar schist, basic tuff, grey massive andesite, volcanic breccia, amphibolite, hornblende-mica-feldspar schist, diorite and gabbro (flows or intrusions), porphyritic andesite and basalt.

Iron formation: Banded iron formation, schistose iron formation.

Sedimentary Rocks:

Shale, argillite, slate, conglomerate, quartzite, greywacke, arkose, paragneiss, mica-hornblende-plagioclase-quartz schist.

Acid Volcanic Rocks:

Massive rhyolite, acid tuff, volcanic breccia, sericite-quartz-feldspar schist, banded rhyolite, silicified rhyolite, rhyolite porphyry, feldspar porphyry.

As part of the 1981 exploration program on the Sylvanite Group of claims, reconnaissance-type mapping of the topography and rock outcrops was conducted by R. Kaltwasser. His work showed that a majority of the outcrops were on the easterly two claims - the remainder being lightly drift-covered.

A suite of acidic flows - rhyolite, rhyolite breccia and dacite - striking in a southeasterly direction and dipping 60° to 70° to the northeast, cover the northern part of the property. A broad zone of sericitic schist was noted to the south of the rhyolite.

The southern part of the group is underlain by rusty, carbonated, schistose tuffs intruded by quartz-feldspar porphyry dikes. Quartz-filled fractures, mineralized with pyrite and reportedly ? gold values, occur in the tuffs and porphyries.

General Geology - continued -

Note that detailed mapping and sampling of the Sylvanite trenches in the south part of the claims will be carried out during the 1982 field season.

Line Cutting and Chaining:

A base line was started from the No. 1 Post of claim P-609965 and cut due west to the small lake in the southwest part of the group. Right-angled offset lines were established at 400' intervals along the base line and cut to the north and south to the claim boundaries.

A tie line was established at a distance of 1320' north of the base line, on line 0+00. This east-west line was used to tie-in the picket lines to permit more accurate plotting of the base map. Note that line 36W was started from the tie line and cut north to the outside boundary and south to the shore of the lake.

Marked pickets were fixed at 100' intervals along all of the grid lines by chainage.

Total miles of base (0.61) tie (0.75) and picket lines (4.62) cut and chained on the property was 6.0.

Electromagnetic Survey:

Electromagnetic surveying was conducted on the property by J. Goodger, assisted by K. Gray. Both men are employed by Johns-Manville Canada Inc. and are based at Matheson.

Field work was carried out during the early fall of 1981, using a McPhar vertical loop, reconnaissance electromagnetic unit operating on a frequency of 1000 cycles per second.

The McPhar unit is suitable for use as both a reconnaissance and relatively detailed instrument. In this survey, the transmitter

Electromagnetic Survey - continued -

was held vertically at a distance of 200 feet from the receiver; the receiver was then tilted about the axis joining the two coils until a null was observed. Both transmitter and receiver were moved on the same picket line, 200 feet apart, and readings were recorded at 100' intervals. Under these operating conditions a depth penetration of 100' was attained. Note that the transmitter was stationed to the north of the receiver throughout the survey.

Walkie-talkie units were used when required for proper communication between transmitter and receiver.

A total of 247 stations was recorded during the course of the survey.

The results of this work are shown on the accompanying Electro-Magnetic Profile Plan on a scale of one inch equals 200 feet. Profiles have been plotted on a scale of one inch equals 20°.

No crossovers and consequently no conducting zones were delineated on the Sylvanite claims by this survey.

Magnetometer Survey:

A magnetometer survey was conducted on the property by J. Goodger during the early part of October 1981. Readings were recorded using a Fluxgate unit - Model MF-1, Serial No. 409017 - having sensitivities of 20, 50, 200, 500 and 2,000 gammas as per division for the corresponding scales.

Prior to the survey the instrument had been checked and adjusted so that a gamma value of 1,220 corresponds closely with an absolute value of $57,599 \pm 15$. Munro-Beatty Sill base station No. 2 was used for this purpose.

Magnetometer Survey - continued -

Two base control stations were established on the claims.

B.C.S. No. 1 - on line 0+00 at the tie line - value 1,590 gammas.

B.C.S. No. 2 - on line 20W at the base line - value 2,925 gammas.

During the course of the survey the base control stations were observed at two-hour intervals as a check on the working condition of the instrument and to record the daily diurnal variation.

Stations were spaced at 50' intervals along the picket lines - 25' where more detail was required. A total of 501 was recorded during the course of the survey.

The results of the survey are shown on the accompanying Geo-Magnetic Profile Plan on a scale of one inch equals 200 feet. Profiles have been plotted on a scale of one inch equals 4,000 gammas.

All available geological and geophysical data (listed previously) had been reviewed and air photos studied prior to compiling this report. The results of the reconnaissance geological mapping conducted by R. Kaltwasser have been of some assistance in the interpretation of the magnetic data.

Without the geological information obtained from the reconnaissance-type mapping program carried out by R. Kaltwasser, it would have been impossible to arrive at a reasonable interpretation of the magnetometer survey. A combination of all the data shows the Sylvanite property to be underlain by a series of highly altered volcanic flows and tuffs striking in a southeasterly direction and dipping moderately to the northeast.

From north to south, these formations comprise the following:

Magnetometer Survey - continued -

- chlorite schist with magnetic values in the 1975 to 2200 gamma range.
- rhyolite breccia, 300' in width, with values from 1250 to 1900 g. - average in the order of 1500 to 1750 g.
- chlorite schist, 150' in width, with values ranging from 750 to a high of 6800 g. A strong anomaly has been delineated on lines 12 and 16W presumably due to magnetite mineralization.
- rhyolite breccia, narrow width, with values ranging from 1425 to 1625 g.
- tuff, 100' in width, with values ranging from 1450 to 1650 g.
- rhyolite breccia, narrow, with values between 1575 and 1675 g.
- a broad, 700' wide, sericite-quartz-feldspar schist with values ranging from 1550 to 2000 g. (average 1600 to 1800 g.).
- a wide zone, up to 1100', of chloritic schists with values ranging from 1625 to 4000 g. A majority of the values are in the low to mid-2000 range. The lower readings were recorded over the eastern section.

Scattered, narrow anomalous zones, in the 3000 to 4000 g. range, have been outlined along the southern portion of the chloritic schists.

- a series of quartz-feldspar porphyry dikes, bounded by tuffaceous horizons has intruded the schists. Values over the tuffs, which have a maximum thickness of 300', range from 1700 to 2100 g. Note the dipole on line 8W (+7800;14090). Values over the porphyry range from 1775 to a peak of 2975 g.
- a broad zone, possibly up to 700' in width, of tuffs has been mapped to the south of the chloritic schists in the south part of the claims. Values over this horizon vary from 1450 to 2100 with the average being in the 1500 to 1600 gamma range. Note that narrow, quartz-feldspar porphyry dikes have also been mapped in this section of the property.

Northerly to northeasterly trending faults occur in the southeastern part of the claims. The two minor structures have been indicated by the geological mapping; the strong northeasterly zone has been indicated by geologic, magnetic and topographic data. In general offsets are small - in the order of 50 feet.

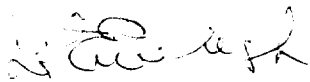
Conclusions and Recommendations:

No conducting zones were outlined by the electromagnetic survey.

Magnetically, scattered, small, moderate to high anomalies have been delineated by the magnetometer survey - all occurring within the chloritic schist horizons and presumably due to concentrations of magnetite.











It is recommended that detailed geological mapping, prospecting and resampling of trenches in the area of the gold showings be carried out during the 1982 field season.

Submitted : March 3rd, 1982








by : F.J. Eveleigh
Exploration Manager









GEOLOGICAL LEGEND

-  Quartz diabase, diabase.
-  Granite 5a, Syenite 5b, Feldspar porphyry 5c, Quartz feldspar 5d, Felsite 5e, Lamprophyre 5f.
-  Diorite 4a, Gabbro diabase 4b, Breccia 4e
-  Peridotite & Dunite (Serpentinized) (Asb. - Asbestos recognized)
-  Pyroxenite 4d.
-  Rhyolite fragmental lava
-  Andesite basalt pillow lava 2a, Diabasic lava 2b, Spherulitic lava 2c, Fragmental lava 2d, Tuff & chert 2e, Talc-chlorite schist 2f, Chlorite schist.
-  Greywacke 1a, Arkose 1b, Quartzite 1c, Argillite or shale 1d, Conglomerate 1e, Iron formation 1f, Chlorite schist 1g, Tuff.
-  Carbonate rock
-  Quartz veins

GEO-MAG SYMBOLS




-  Contour interval 500 gammas
 -  Magnetic Base Control Station
 -  Geological Contact
 -  Fault Zone
 -  Mag. Profile
- G- Geological
 M- Magnetic
 T- Topographic


TOPO-SYMBOLS

-  Outcrop
-  Higher ground
-  Scarp
-  Muskeg or Swamp
-  Creek
-  Drill hole
-  Bush road
-  Direction in which lava flows face, indicated by shape of pillows



ELECTRO-MAG SYMBOLS

GEONICS 15 UNIT


-  Conductive Zone (Red)
 -  Magnetic Conductor (Blue)
 -  Nil
- Scale - 20 units = 1 inch
 West & South - Pos. (Red)
 East & North - Neg. (Blue)

- Scale - 40 units = 1 inch
-  Conducting Zone - S - Strong, M - Medium, W - Weak

RONKA H.L. UNIT

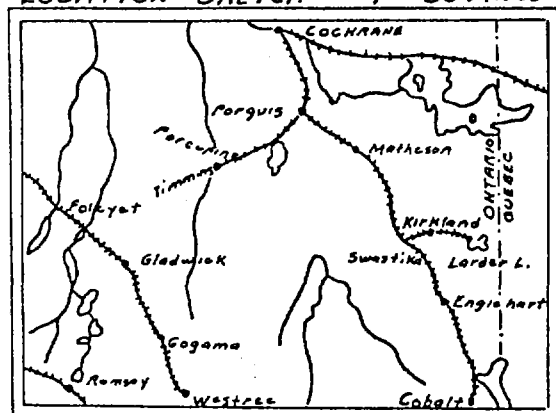
-  In phase curve
 -  Out phase curve
- NPCS Not proper coil spacing
 East - Positive. West - Negative

M^cPHAR V.L. UNIT

-  Dip angle profile
- North & East - Positive
 South & West - Negative

JOHNS MANVILLE CANADA INC.

LOCATION SKETCH - 1" = 50 Miles



Geol. Survey by -
 Mag. Survey by -
 E.M. Survey by -

CANADIAN JOHNS-MANVILLE CO. LTD.
 MATHESON MUNRO MINE ONTARIO

LEGEND SHEET
 PROVINCE OF ONTARIO

SCALE

DATE MAR 03 1982

DRAWN - MB.

TRACED

APPROVED - F.J.E.

**SPECIFICATIONS OF
FLUXGATE MAGNETOMETER
MODEL MF-1**

Ranges:	Plus or minus — 1,000 gammas f. sc. 3,000 " 10,000 " 30,000 " 100,000 "
	Sensitivity 20 gammas/div. 50 " 200 " 500 " 2,000 "
Meter:	Taut-band suspension 1000 gammas scale 1 7/8" long — 50 div. 3000 gammas scale 1 11/16" long — 60 div.
Accuracy:	1000 to 10,000 gamma ranges \pm 0.5% of full scale 30,000 and 100,000 gamma ranges \pm 1% of full scale
Operating Temperature:	-40°C to +40°C -40°F to +100°F
Temperature Stability:	Less than 2 gammas per °C (1 gamma /°F)
Noise Level:	Total 1 gamma P-P
Long Term Stability:	\pm 1 gamma for 24 hours at constant temperature
Bucking Adjustments: (Latitude)	10,000 to 75,000 gammas by 9 steps of approximately 8,000 gammas and fine control by 10 turn potentiometer. Convertible for southern hemisphere or \pm 30,000 gammas equatorial.
Recording Output:	1.7 ma per oersted for 1000 to 100,000 gamma ranges with maximum termination of 15,000 ohms.
Response:	DC to 5 cps (3db down)
Connector:	Amphenol 91-MC3F1
Batteries:	12 x 1.5V-flashlight batteries "C" cell type) (AC Power supply available)
Consumption:	50 milliamperes
Dimensions:	Instrument — 6 1/2" x 3 1/2" x 12 1/2" 165 x 90 x 320 mm Battery pack — 4" x 2" x 7" 100 x 50 x 180 mm Shipping Container — 10" dia x 16" 254 mm dia. x 410 mm
Weights:	Instrument — 5 lbs. 12 oz. 2.6 kg. Battery Pack — 2 lbs. 4 oz. 1.0 kg. Shipping — 13 lbs. 6.0 kg.



SCINTREX LIMITED

79 Martin Ross Avenue, Downsview, Ontario, Canada



41015SW0061 2.4687 DENYES

900

1983 06 13

2.4687

Mr. William L. Good
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geophysical (Electromagnetic & Magnetometer) Survey
on Mining Claims P609964 et al in the Township of Denyes

The Geophysical (Electromagnetic & Magnetometer) Survey
assessment work credits as shown on the attached statement
have been approved as of the above date.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

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

D. Kinvig:mc

Attach:

cc: Johns-Manville Canada Inc.
P.O. Box 610
Matheson, Ontario
POK 1N0

cc: Resident Geologist
Timmins, Ontario



Ontario

24687

Ministry of
Natural
Resources

Notification of recording
of assessment work credits

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: March 11, 1982

Recorded holder: Johns-Manville Canada Inc.
Exploration Dept.

Address: Box 1500
Asbestos, Quebec

Township or Area: J1T 3N2

DENYES TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	<p>P-609964-967 incl. P-610802-803 incl.</p> <p>RECEIVED</p> <p>APR - 8 1982</p> <p>MINING LANDS SECTION</p> <p><i>See other work attached.</i></p>
Electromagnetic <u>20</u> days	
Magnetometer <u>40</u> days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input checked="" type="checkbox"/> Ground <input type="checkbox"/>	

Notice to recorded holder:

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Hemley
Mining recorder
c.o. Johns-Manville Canada Inc.

1983 06 13

Recorded Holder JOHNS-MANVILLE CANADA INC
Township or Area DENYES TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ <u>20</u> days Magnetometer _____ <u>40</u> days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" 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.	P 609964 to 67 inclusive 610802 - 03

Special credits under section 86 (15a) for the following mining claims

--

No credits have been allowed for the following mining claims

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

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:



Mining Lands Comments

You wanted to see this survey again.
Arthur

To: Geophysics *Mr. Barlow.*

Comments

Approved Wish to see again with corrections

Date *May 11/83* Signature *[Signature]*

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections

Date Signature

To: Geochemistry

Comments

L.D.

Approved Wish to see again with corrections

Date Signature

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



Johns-Manville Canada Inc.

Division de la fibre d'amiante
Asbestos Fibre Division

Asbestos, Québec J1T 3N2
Canada
Téléphone: 819-879-5431
Telex: 05-836157

Present address:

P.O. Box 610
Matheson, Ontario
POK 1N0

February 21, 1983

Mr. E.F. Anderson
Director
Land Management Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

RECEIVED

FEB 23 1983

MINING LANDS SECTION

Dear Sir:

Re: Geophysical (Electromagnetic and Magnetometer)
Survey submitted on Mining Claims P 609964
et al in the Township of Denyes.

As requested, returned herewith find Electromagnetic map, in duplicate, which has been corrected to show dip angle values for each station recorded.

PLEASE NOTE THE CHANGE OF ADDRESS - this office was moved from Quebec to Ontario in early May of 1982 - all Government agencies concerned were so informed at that time.

Yours very truly,

F.J. Eveleigh
Exploration Manager

cc:
J.M. Sharratt - Denver 3-18
file

Encls

REGISTERED MAIL

1983 02 14

2.4687

Johns-Manville Canada Incorporated
Asbestos, Quebec
JIT 3N2
Attention: F.J. Eveleigh.

Dear Sirs:

RE: Geophysical (Electromagnetic and Magnetometer) Survey
submitted on Mining Claims P 609964 et al in the
Township of Denyes.

Enclosed are the EM plans, in duplicate, for the above mentioned
survey. In order to complete your submission we require that
the raw data be plotted at each station point.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

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

A. Barr:sc

Encls:

cc: Mining Recorder
Timmins, Ontario



Mining Lands Comments

EM map

To: Geophysics *Mr. Barber*

Comments

*- EM map must show
raw readings plotted on map*

Approved Wish to see again with corrections

Date *Jan 3/83* Signature *[Signature]*

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections

Date _____ Signature _____

To: Geochemistry

Comments

LD

Approved Wish to see again with corrections

Date _____ Signature _____

April 15, 1982

2.4687

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic & Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 609964 et al in the Township of Denyes.

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: 416/965-1316

J. Skura/amc

cc: Johns-Manville Canada Inc.
Asbestos, Quebec
Attn: Mr. E.J. Eveleigh



Johns-Manville Canada Inc.

Division de la fibre d'amiante
Asbestos Fibre Division

Asbestos, Québec J1T 3N2
Canada
Téléphone: 819-879-5431
Telex: 05-836157

April 8, 1982

REGISTERED MAIL

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617
Whitney Block, Queen's Park
Toronto, Ontario
K7A 1W3

RECEIVED

APR 13 1982

MINING LANDS SECTION

Dear Sir:

Enclosed find "Report and Maps", in duplicate, covering geophysical surveys completed on mining claims held by this company in Denyes Township.

Special Provision form is attached.

Note that "Report of Work" form covering these surveys has been filed with the Mining Recorder in Timmins.

Yours very truly,

F.J. Evelegh
Exploration Manager

cc: W. Good, Mining Recorder, Timmins
J.M. Sharratt, Denver
G. McDonald, Denver
M. Bruce, Matheson

file

encls.

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations Mag. 501; E.M. - 247 Number of Readings Mag. 527; E.M. -255
Station interval Mag. 50' and 25'; E.M. - 100' Line spacing 400'
Profile scale Mag. 1" = 4000 gammas; E.M. 1" = 20"
Contour interval _____

MAGNETIC

Instrument Fluxgate Magnetometer, Model MF-1, Serial No. 409107
Accuracy - Scale constant see attached photocopy
Diurnal correction method all readings corrected to value of base station No. 1
Base Station check-in interval (hours) 2 hours
Base Station location and value B.C.S #1 - on line 0+00 at the tie line, value 1590 gammas;
B.C.S. #2 - on line 20W at the base line, value 2925 gammas.

ELECTROMAGNETIC

Instrument _____
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
Parameters measured _____
(specify V.L.F. station)

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____
Elevation accuracy _____

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 _____

2.4687

P. - 609964

E.M. Mag

V

✓

65

V

66

V

609967

V

610802

V

V

03

1/4

1/4

→ occupied

D.K.

Raney Twp. - M.1069

THE TOWNSHIP OF










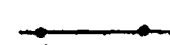






DENYES

DISTRICT OF SUDBURY

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

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 MUSKEG 
- MINES 
- CANCELLED 
- PATENTED FOR S.R.O 

NOTES

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

DATE OF ISSUE
JAN 10 1983
Ministry of Natural Resources
TORONTO

PLAN NO. M.758

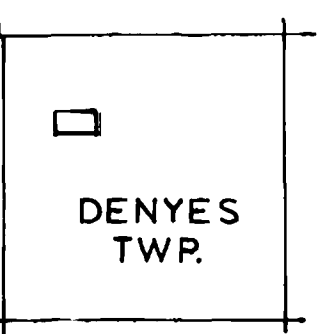
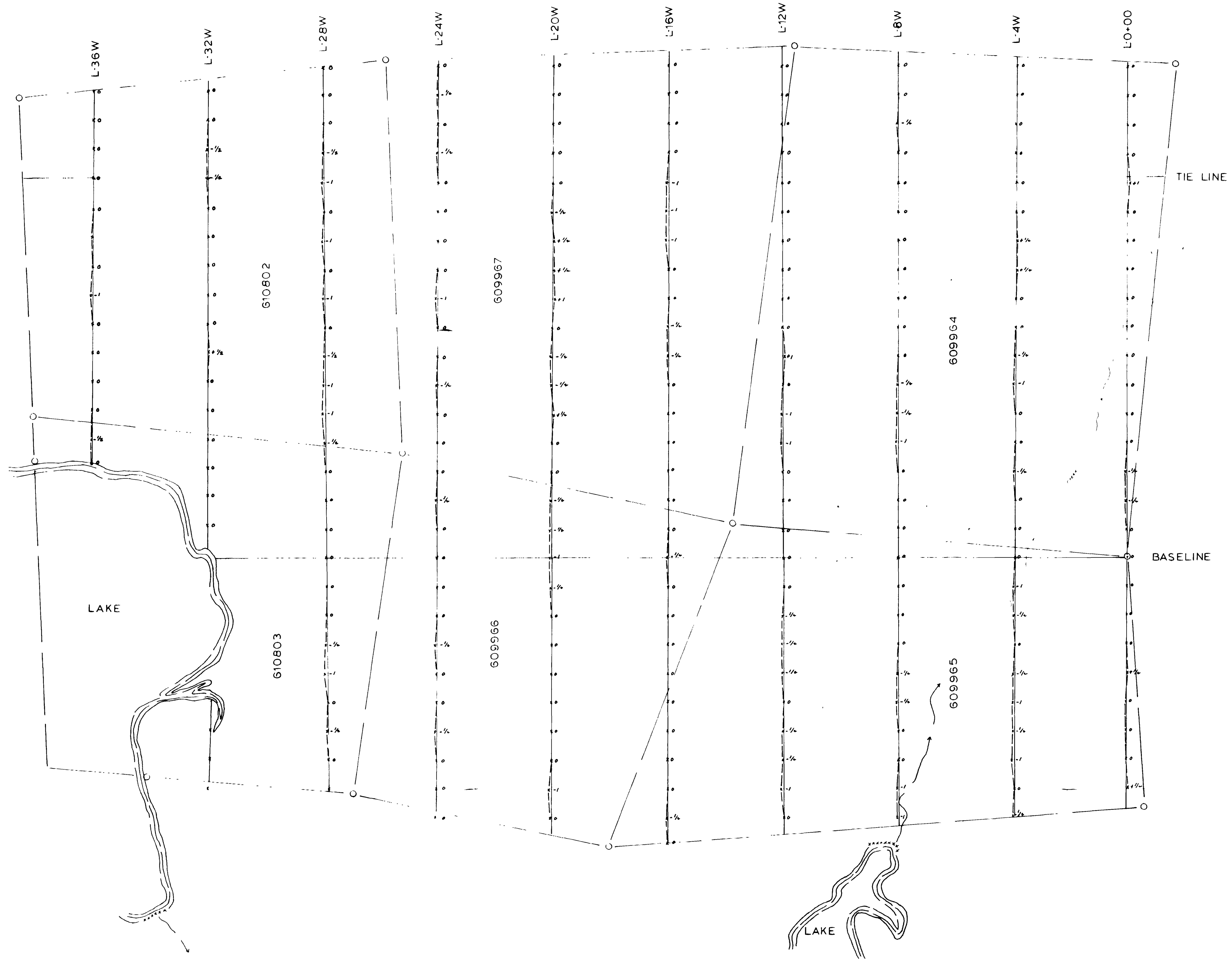
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Halcrow Twp. - M.906

Swayze Twp. - M.1150

Greenlaw Twp. - M.895





ELECTRO-MAGNETIC PROFILE PLAN
 INSTRUMENT - McPHAR R.E.M. UNIT - SERIAL NO. 30-6507
 INLINE METHOD - 200' SPACING - PROFILE 20" : 1"
 OPERATOR - J. GOODGER

1-16-87

MAR 03 1982

JOHNS MANVILLE CANADA INC.

ONT. 1" = 200'

J. Goodger

SYLVANITE GR. DENYES TWP.



410169881 2-1087 DENYES



GEO-MAGNETIC PROFILE PLAN
 INSTRUMENT - MF1 FLUXGATE MAGNETOMETER
 SERIAL NO. 409107
 PROFILE - 1"=4000g
 OPERATOR - J. GOODGER



220

ONT. 1"=200'

MAR 03 1982

JOHNS MANVILLE CANADA INC
 SYLVANITE GR. DENYES TWP.