REPORT ON GEOPHYSICAL SURVEYS
GALER GROUP OF CLAIMS
BANNOCKBURN TOWNSHIP
LARDER LAKE MINING DIVISION
PROVINCE OF ONTARIO

by

F.J. Evelegh

Johns-Manville Canada Inc.
Exploration Department

October 29th, 1981
Asbestos, Quebec

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REPORT ON GEOPHYSICAL SURVEYS
GALER GROUP OF CLAIMS
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Introduction:

The following report describes the geophysical surveys completed during the fall of 1981 on five mining claims recorded in the name of Johns-Manville Canada Inc. and located in Bannockburn Township, Larder Lake Mining Division.

Cutting and chaining of picket lines were carried out by Company personnel based at the Matheson exploration office.

Electromagnetic surveying was conducted by J. Goodger, Senior Geologist, assisted by M. Bruce. A McPhar R.E.M. vertical loop unit was used for this work.

Magnetometer surveying was started by G. Scriven, former fieldman and geophysical operator with the Company. K. Gray completed the work. A Fluxgate Model MF-1 unit was used for the survey.

Draughting, interpretation and compilation of this report were carried out by personnel from both the Matheson and Asbestos offices.

Supervision of the field work was handled by R. Kaltwasser. Interpretation of the data and compilation of the report were the responsibility of the writer, Exploration Manager with Johns-Manville Canada Inc., based at Asbestos, Quebec.

Property:

The claims surveyed are situated in Bannockburn Township and are numbered L-579566 to 579569, inclusive and 579600. Staking of the first four claims was completed in mid-November, the fifth was staked on December 15th. The claims were recorded on November 20th and December 18th, 1980, respectively, and were transferred to Johns-Manville Canada Inc. in May, 1981.

Total acreage is approximately 200.

Location and Accessibility:

The Galer Group is located in the northeastern part of Bannockburn Township at a distance of approximately twelve miles west of Matachewan.

Location and Accessibility: (Cont'd)

Ready access is provided by a secondary to tertiary gravel road - Highway No. 568 - Matachewan to Timmins. A foot trail leads to the south from this highway to the northwest corner of the claims - approximately one-half mile.

Topography:

The terrain is generally low and rolling with a series of sand and boulder-covered ridges trending in a southeasterly direction across the property. In the south-east part of the area a sizeable hill reaches a height of approximately 100' above the creek elevation.

Forest cover is mainly second growth poplar, birch and jack pine. A spruce, cedar & alder swamp - fills a U-shaped depression along the north boundary of the property.

Two small streams, generally dry during the summer months, flow northward through the claims. One is located along the east boundary, the other is in the central section. There is a beaver pond in the north part of claim L-579567.

Rock outcrops are confined to the three easterly claims and occur scattered along the ridge and hill-tops. Intermediate volcanics, Cobalt conglomerate and syenite were noted during the survey work.

Previous Work:

Examination of Company libraries in Matheson and Asbestos revealed a considerable amount of geological and geophysical data for the general Bannockburn area. The earliest Government Report was Memoir 115 - Geology of the Matachewan Area by H.C. Cooke which was published in 1919.

In 1932, H.C. Rickaby compiled a report on the Bannockburn Gold Area which was published in the Forty-First Annual Report of the Ontario Department of Mines. Map No. 41a, on a scale of one inch equals 3/4's of a mile accompanies this report. The showing on the Galer claims is described on page 18 of the report.

Previous Work: (Cont'd)

Aeromagnetic Maps on scales of one inch equals 1/2 mile and one mile have been published jointly by the O.D.M. - G.S.C. These were used extensively prior to staking claims in the Matachewan region.

Map No. 2205 - The Timmins-Kirkland Lake Sheet of the Geological Compilation Series, on a scale of one inch equals four miles also covers the area.

In 1974, the Ontario Department of Mines issued Preliminary Map No. 1021 - Airborne Electromagnetic and Total Intensity Magnetic Survey for Bannockburn Township.

Note that during the early 1970's Johns-Manville held the Galer claims and carried out a biogeochemical survey. Due to the negative results obtained the property was allowed to lapse. The target at that time was Cu-Mo mineralization.

The geophysical programs described in this report were completed during the fall of 1981.

General Geology:

The Geology of Bannockburn Township is described by H.C. Rickaby in the Forty-First Annual Report of the Ontario Department of Mines, 1932. Although several reports have been issued since that date, the majority cover the area to the east of Bannockburn Township. The following "Table of Formations" has been taken from page 5 of Geological Report 51 on the Matachewan Area compiled by H.L. Lovell and published by the O.D.M. in 1967.

Table of Formations

Cenozoic

Recent : Swamp and stream deposits
Pleistocene: Sand, gravel, clay

Unconformity

PRECAMBRIAN

Proterozoic

Mafic Intrusive Rocks (Nipissing):
Diabase

General Geology: (Cont'd)

Intrusive contact

Huronian:

Cobalt Group (Gowganda Formation):
Argillaceous and arkosic quartzite, conglomerate, argillite, arkose.

Unconformity

Archean

Mafic Intrusive Rocks (Matachewan):
Diabase, undifferentiated

Intrusive contact

Silicic Intrusive Rocks (Algoman):
Granite: granodiorite and granitic gneiss; syenite porphyry and coarse-grained syenite; syenite; mafic syenite, lamprophyre, quartz diorite and diorite.

Intrusive contact

Ultramafic and Mafic Intrusive Rocks (Haileyburian):
Serpentinite, diorite

Intrusive contact

Sedimentary Rocks (Timiskaming):
Conglomerate; greywacke and interbedded argillite and quartzite; arkose

Unconformity

Volcanic Rocks (Keewatin):
Basalt and andesite; bleached, silicified, sericitized volcanic rocks; andesite porphyry, tuff (banded, and massive types); agglomerate; rhyolite and dacite; carbonatized and amygdaloidal volcanic rocks; amphibolite.

As part of the 1981 exploration program on the Galer claims reconnaissance type mapping of the topography and rock outcrops was conducted by R. Kaltwasser. As previously mentioned, bedrock exposures are confined to the three easterly claims. Cobalt conglomerates were mapped on the most southerly claim and these overlie the syenite to the northeast. The syenite occurs as a plug extending in a southeasterly direction off the property. This syenite is purple to red in colour, is mineralized with disseminated pyrite and is cut by narrow, quartz-filled fractures.

neral Geology: (Cont'd)

To the north, the rock types are volcanic flows-pillowed andesites intruded by narrow diabase dikes. Pyrite mineralization was noted in these volcanics.

The Galer quartz vein occurs in a fracture zone striking to the north and has a maximum width of approximately 30 feet. Old trenches along this vein will be cleaned out and the vein sampled as part of the 1982 program.

Line Cutting and Chaining:

Base Line No. 1 was started from a point 240 feet west of the No. 4 post of claim L-579600 (along the south boundary of claim L-579569) and was cut and chained on a bearing of N5°E for a length of 2,630 feet. Base Line No. 2 was started from the No. 4 post of claim L-579600 and cut and chained due south for a length of 1,010 feet.

Right-angled offset lines, spaced at 400' intervals, were cut and chained east and west to the claim boundaries. Marked pickets were established every 100' along these offset lines by chainage. Note that claim lines along the main part of the north boundary and along the south boundary of L-579569 were cut out, chained and used as part of the grid for survey purposes.

Total miles of base (0.70) and picket lines (4.62) cut and chained by Company personnel during July and August, 1981 was 5.32.

Electromagnetic Survey:

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

Field work was carried out during the mid-part of October, 1981, using a McPhar vertical loop reconnaissance electromagnetic unit operating on a frequency of 1,000 cycles per second.

The McPhar unit is suitable for use as both a reconnaissance and relatively detailed instrument. In this survey, the transmitter was held vertically at a distance of 200 feet from the receiver; the receiver was then tilted about the axis joining the

Electromagnetic Survey: (Cont'd)

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 feet was attained. Note that the transmitter was stationed to the west of the receiver throughout the survey.

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

A total of 223 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°.

Several extremely weak crossovers, all in the order of +1°, -1°, have been indicated by the survey. These are marked on the plan in dashed black lines. None of these zones warrant further survey work.

Magnetometer Survey:

A magnetometer survey was conducted on the property by G. Scriven and K. Gray. This work was started in August and completed by K. Gray on October 17th, 1981. Readings were recorded using a Fluxgate Magnetometer - Model MF-1, Serial No. 409107, 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 1220 corresponds closely with an absolute value of 57,599 ± 15. Munro-Beatty sill base station No. 2 was used for this purpose.

A base control station was established on the Galer grid at the junction of the base line and picket line 16N. The value of this station was 1,850 gammas.

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

Magnetometer Survey: (Cont'd)

Stations were spaced at 50' intervals - 25' where additional detail was required - along the grid lines and a total of 492 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. Without the geological mapping and prospecting which were carried out as part of the 1981 exploration program it would be impossible to arrive at a reasonable interpretation based upon the magnetometer survey results.

Magnetic readings over the conglomerates in the southwestern and northwestern sections of the claims range in value from 1,400 to 2,000 gammas with the average being in the 1,500 to 1,600 range in the south and 1,600 to 1,800 in the north (these higher values may be due to thinner conglomerate layer over the underlying volcanics). Note that the contact between the conglomerate and the syenite to the northeast and andesitic flows to the north is marked by a topographic low.

Over the syenite plug on claims L-579568 and 579600 the readings range in value from 1,500 to 3,860 gammas with the magnetic intensity increasing to the southeast-off the map area. This corresponds closely with the anomaly shown on the Aeromagnetic sheets.

Magnetic readings over the intermediate volcanics range in value from 1,000 to over 3,000 gammas, however, the average falls within the low to mid - 2,000's. The magnetic "highs" on Line 12N on claim L-579568 are caused by concentrations of magnetite in fracture zones adjacent to the Galer vein. The host rock in this area is a basaltic flow. Similar magnetite concentrations occur along the contact of a quartz vein on Line 4N on the same claim. Readings ranged up to 5,260 gammas in value over these two altered zones.

Magnetometer Survey: (Cont'd)

A diabase dike, trending in a northwesterly direction has been mapped on Line 12N. Magnetic intensity over this dike was 4,020 gammas.

Structurally, a northeasterly trending lineament is indicated by both topographic and aeromagnetic data. This feature extends from the east end of the small lake at the southwest corner of the property to the beaver pond along the north boundary of claim L-579567. Due to the lack of geological information this structure has not been shown on the accompanying plan.

Conclusions and Recommendations:

No conducting zones warranting further exploration were delineated by the electromagnetic survey completed on the Johns-Manville block.

Magnetically, anomalous values were obtained over the syenite in the south-east part of the claims and over, and adjacent to, the diabase dike on claim L-579568. Note that the northerly-trending Galer quartz vein occurs in a major fracture associated with the diabase dike.

The proposed exploration program for 1982 will comprise detailed magnetometer surveying over the anomalous areas, prospecting, drilling, blasting, sampling and assaying of the Galer vein and, if warranted, limited diamond drilling.

Submitted: October 29th, 1981

by: F.J. Evelegh
Exploration Manager

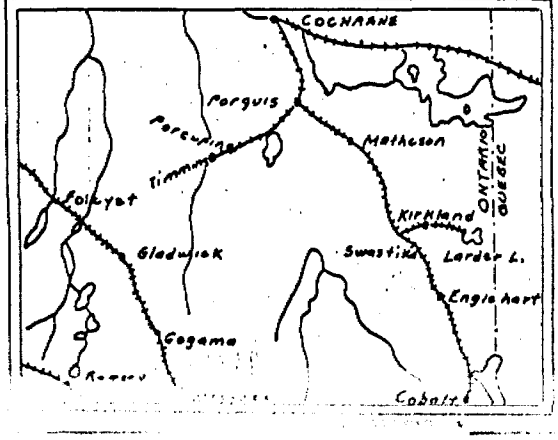
GEOL. LEGEND

- 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.
- Greywacke 1a, Arkose 1b, Quartzite 1c, Argillite or shale 1d, Conglomerate 1e, Iron formation 1f, Chlorite schist 1g.
- Carbonate rock
- Quartz veins

GEO-MAG SYMBOLS

- Contour interval 500 gammas
- BCS#1 Magnetic Base Control Station
- Geological Contact
- Fault Zone — G- Geological, M- Magnetic, T- Topographic
- Mag. Profile

LOCATION SKETCH - 1" = 50 Miles



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

McPHAR V.L. UNIT

- Dip angle profile

North & East - Positive
South & West - Negative

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
DRAWN - MB.	
TRACED	
APPROVED - F.J.E.	

OCT 29 1981

Ontario

Ministry of Nat

GEOPHYSICAL – GEOLOG
TECHNICAL DAT

41P15NW8238 2.4414 BANNOCKBURN

900

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.

RECEIV
DEC 14 1981
MINING LANDS SE

Type of Survey(s) Geophysical

Township or Area Bannockburn

Claim Holder(s) Johns-Manville Canada Inc.

Survey Company

Author of Report F.J. Evelegh

Address of Author Box 1500, Asbestos, Quebec J1T 3N2

Covering Dates of Survey July 13 - October 29, 1981
(linecutting to office)

Total Miles of Line Cut 5.32

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	40
–Magnetometer	20
–Radiometric	
–Other	
Geological	
Geochemical	

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

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

DATE: Dec. 8, 1981 SIGNATURE: F. Evelegh
Author of Report or Agent

Res. Geol. _____ Qualifications 1957

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	579566
L	579567
L	579568
L	579569
L	579600

If space insufficient, attach list

TOTAL CLAIMS 5

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations Mag. 492 E.M. 223 Number of Readings Mag. 565 E.M. 240

Station interval Mag. 50' & 25' E.M. 100' Line spacing 400'

Profile scale Mag. 1" = 4,000g 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 on line 16N at the base line

value - 1,850 gammas

ELECTROMAGNETIC

Instrument McPhar Dual Frequency Electromagnetic Unit, Serial No. 30-6507

Coil configuration Vertical

Coil separation 200'

Accuracy

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

Frequency 1,000 c.p.s.
(specify V.L.F. station)

Parameters measured Dip angle & width of null.

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 _____

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 1⅞" long — 50 div. 3000 gammas scale 1 11/16" long — 60 div.
Accuracy:	1000 to 10,000 gamma ranges ± 0.5% of full scale 30,000 and 100,0000 gamma ranges ± 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:	± 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 ± 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 — 6½" x 3½" x 12½" 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

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.4414

Mining Lands Comments

[x] To: Geophysics Mr. Barlow.

Comments

[x] Approved [ ] Wish to see again with corrections | Date May 11/83 | Signature R Blow

[ ] 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)

1593 (81/10)

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 1NO

December 21st, 1982

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

Dear Sir:

Re: Geophysical (Electromagnetic and Magnetometer) Survey on Mining Claims L-579566 et al in the Township of Bannockburn (File #2.4414)

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 in 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. Evelegh
Exploration Manager

cc:
J.M. Sharratt - Denver 2-13
file

Encls - 2

REGISTERED MAIL

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.4414

Mining Lands Comments

- E.M. maps has no readings.

☑ To: Geophysics Mr Barlow.

Comments

- Key maps needed
- E-M maps need raw readings plotted

☐ Approved ☑ Wish to see again with corrections | Date Oct 30/82 | Signature

☐ To: Geology - Expenditures

Comments

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

☐ To: Geochemistry

Comments

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

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

1593 (81/10)

1982 12 10 2.4414

Johns-Manville Canada Incorporated
Exploration Department
Box 1500
Asbestos, Quebec
J1T 3N2
Attn: F.J. Evelegh.

Dear Sirs:

RE: Geophysical (Electromagnetic and Magnetometer) Survey on Mining Claims L 579566 et al in the Township of Bannockburn

Enclosed is the Electromagnetic map (in duplicate) for the above mentioned survey. Please plot the raw data at each station and return them to this office.

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
Kirkland Lake, Ontario

December 30, 1981 2.4414

Office of the 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 Geophysical (Electromagnetic and Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L.579566 et al, in the Township of Bannockburn.

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

J. Skura/bk

cc: Johns-Manville Canada Inc.
Asbestos, Quebec
Attention: F.J. Evelegh

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

December 8th, 1981

REGISTERED MAIL

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

Dear Sir:

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

Special Provision form is attached.

Note that "Report of Work" forms covering these surveys were filed with the Mining Recorder in Kirkland Lake on November 16th, 1981.

Yours very truly,

F.J. Evelegh
Exploration Manager

cc:
Mr. G. Koleszar - Mining Recorder - Kirkland Lake, Ontario
J.M. Sharratt - Denver
G. McDonald - "
M. Bruce - Matheson
File

Encls.

Ontario

2.4414

Ministry of Natural Resources

Recording Office
4 Government Road East
KIRKLAND LAKE, Ontario
P2N 1A2

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

RECEIVED
NOV 3 0 1981
MINING LANDS SECTION

Date of recording of work: NOVEMBER 16, 1981

Recorded holder: JOHNS-MANVILLE CANADA INC.

Address: Exploration Department, Box 1500, ASBESTOS, Quebec J1T 3N2

Township or Area: BANNOCKBURN TOWNSHIP

Type of survey and number of Assessment days credit per claim		Mining claims
Geophysical		
Electromagnetic	40 days	L 579566 to L 579569 inclusive and L 579600
Magnetometer	60 20 days	
Radiometric	days	
Induced polarization	days	
Section 86 (18)	days	
Geological	days	
Geochemical	days	
Man days ☐	Airborne ☐	
Special provision ☒	Ground ☒	

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.

T Haskins

Acting Mining recorder /bs
c.c. Johns-Manville Canada Inc.
c.c. F. J. Evelegh c/o Johns-Manville

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.4414

1983 06 13

Recorded Holder: JOHNS-MANVILLE CANADA INC

Township or Area: BANNOCKBURN TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 40 days	L 579566 to 69 inclusive 579600
Magnetometer 20 days	
Radiometric ____ days	
Induced polarization ____ days	
Section 86 (18) ____ days	
Geological ____ days	
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

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:

928

2.4414

1983 06 13 2.4414

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: Geophysical (Electromagnetic & Magnetometer) Survey on Mining Claims L579566 et al in the Township of Bannockburn

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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
P0K 1N0

cc: Resident Geologist
Kirkland Lake, Ontario

D. 44/4

	E.M.	Mag.
L-579566	✓	✓
67	✓	✓
68	✓	✓
579569	✓	✓
579600	✓	✓

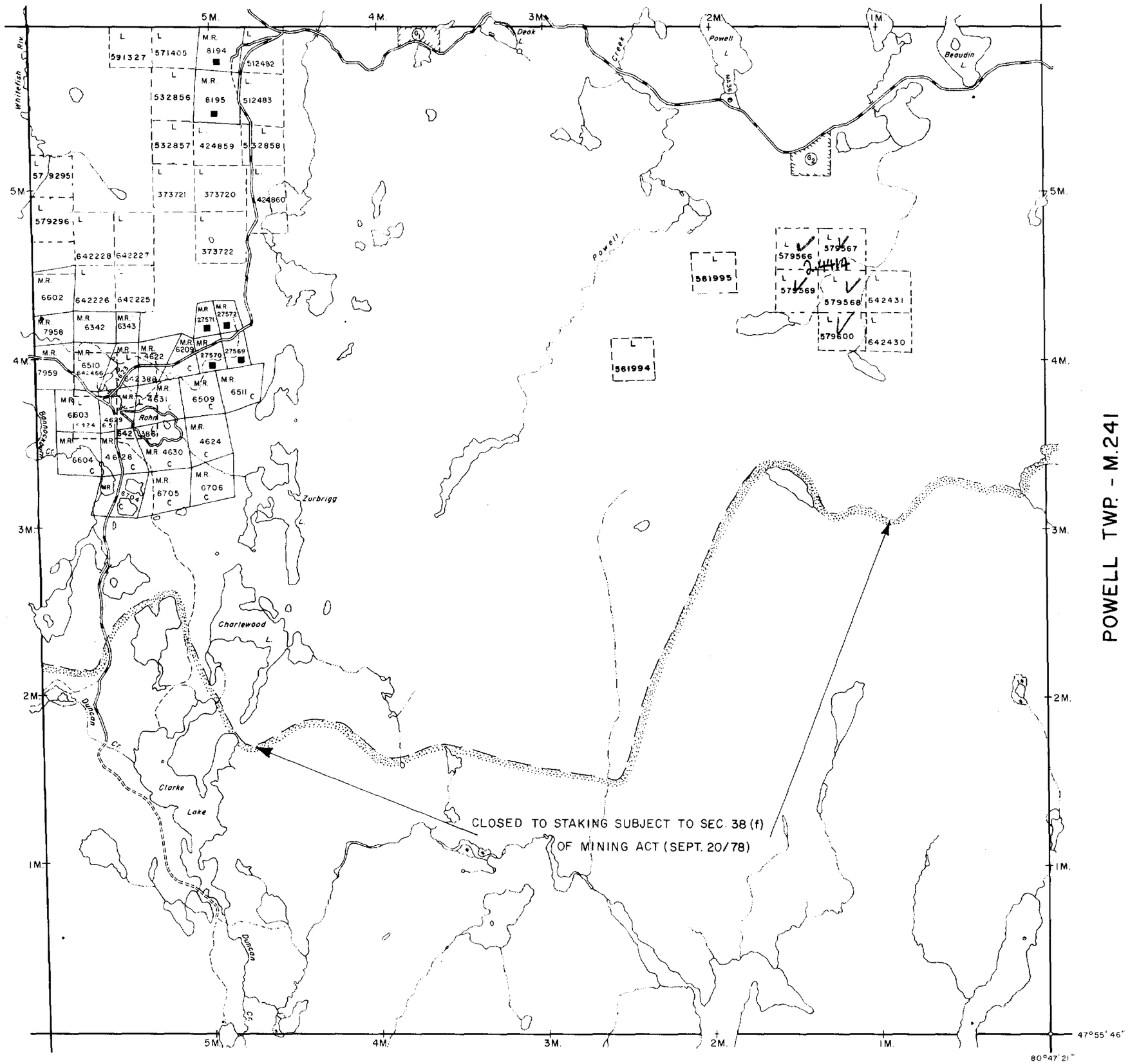
D. K.

ARGYLE TWP. - M.203

MONTROSE TWP. - M.237

POWELL TWP. - M.241

DOON TWP. - M.217



THE TOWNSHIP OF

BANNOCKBURN

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

DISPOSITION OF CROWN LANDS

PATENT, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION

ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
CANCELLED C.

NOTES

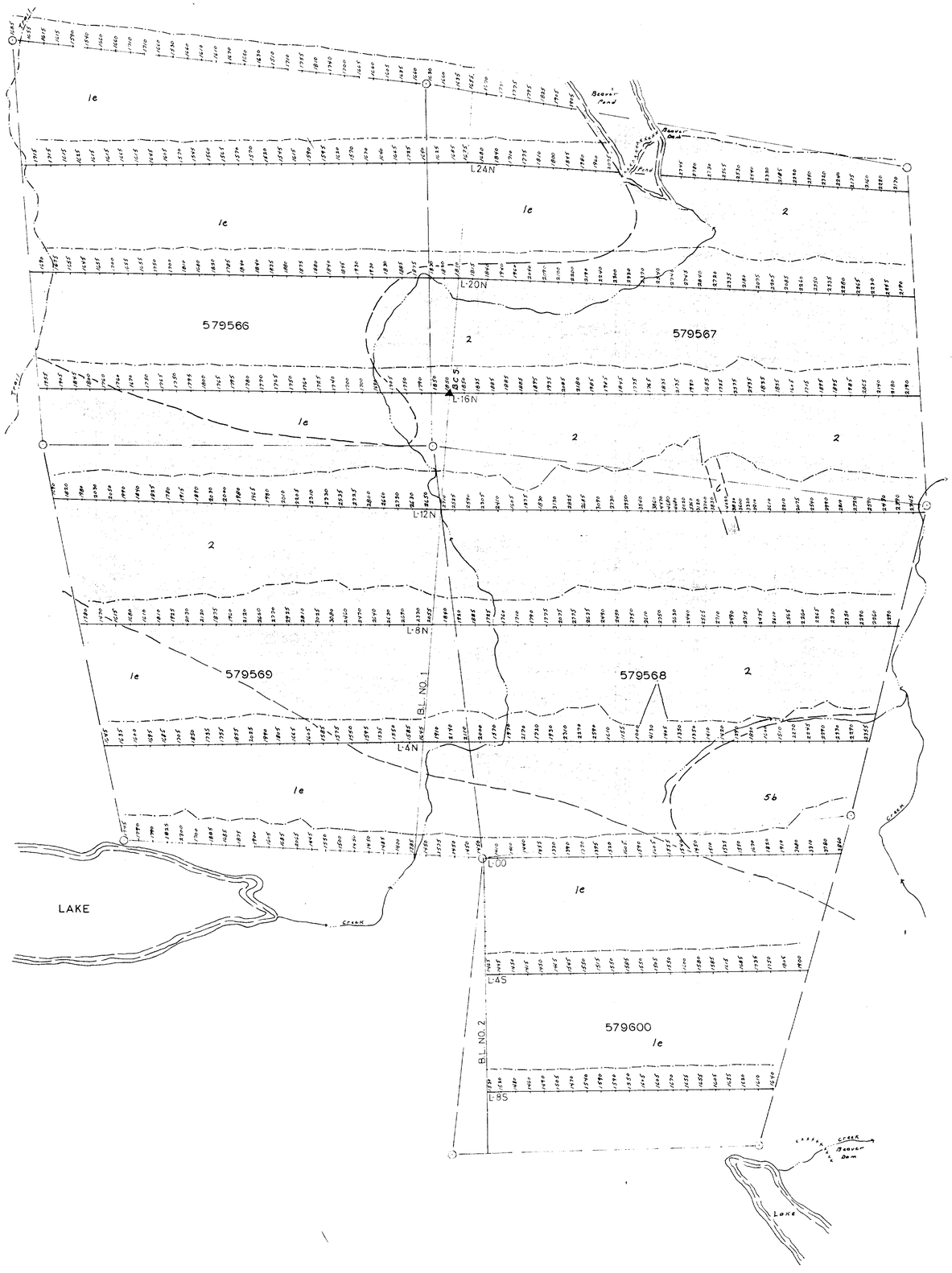
400' surface rights reservation along the shores of all lakes and rivers.

SAND and GRAVEL

(G1) M.T.C. GRAVEL PIT 3F-25
(G2) M.T.C. GRAVEL PIT 1374

PLAN NO. M.207

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



GEO-MAGNETIC PROFILE PLAN

INSTRUMENT - MF1 FLUXGATE MAGNETOMETER
SERIAL NO. 409107
OPERATORS - K. GRAY – PROFILE 1" = 4000 g
G. SCRIVEN

2.4414

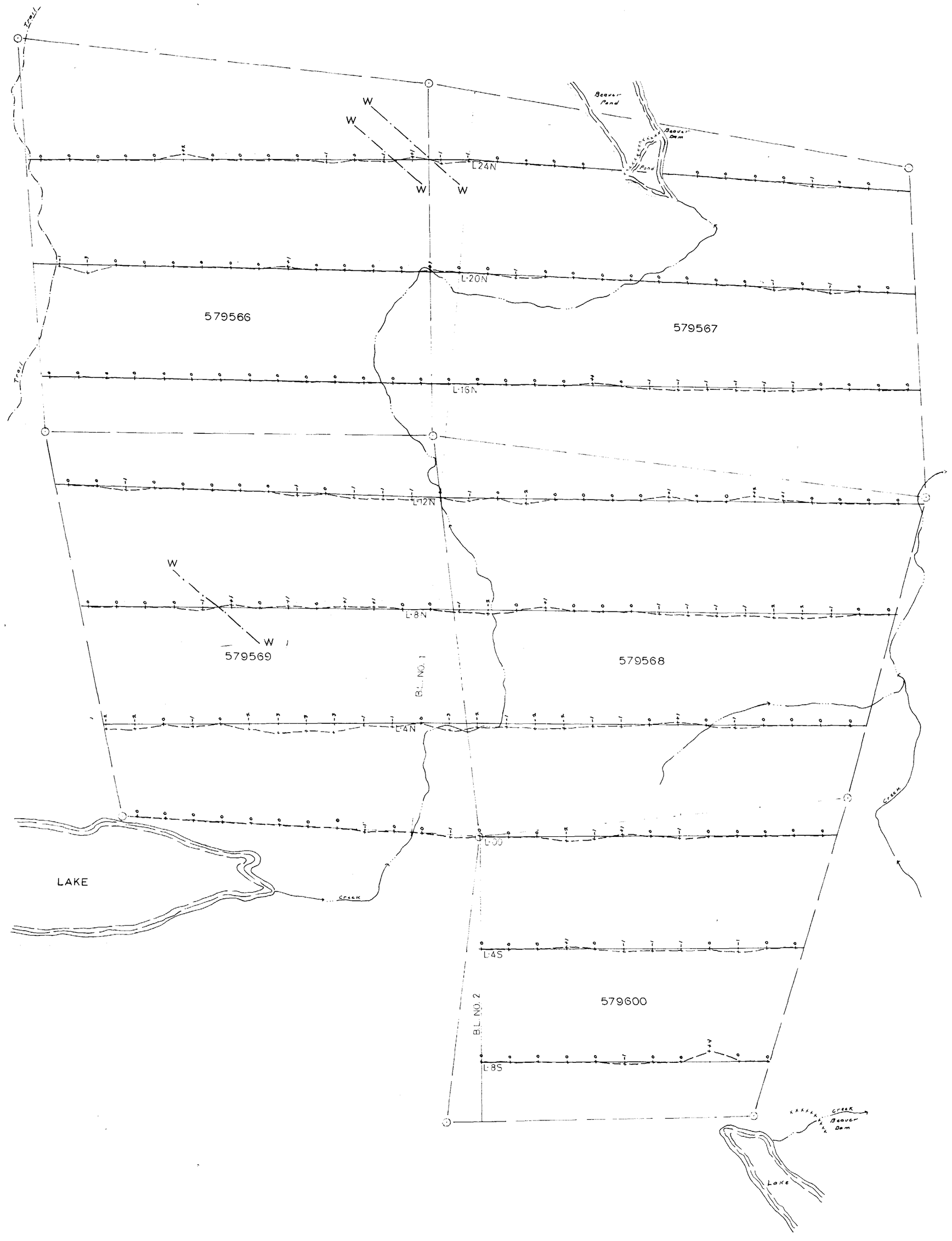
JOHNS MANVILLE CANADA INC.

ONT. 1" = 200'

OCT 29 1981

GALER GR. - BANNOCKBURN TWP.

210



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

2.4414

JOHNS MANVILLE CANADA INC.

ONT. 1"= 200'

OCT 29 1981

GALER GR. - BANNOCKBURN TWP.