GEOPHYSICAL SURVEY REPORT

ON THE

McNEIL PROPERTY

McNEIL TOWNSHIP

LARDER LAKE MINING DIVISION

DISTRICT OF TIMISKAMING, ONTARIO

FOR

ARGYLE VENTURES INC.

MARCH 11, 1984

MARY GREER

GEOLOGICAL TECHNICIAN

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Scale: 1 inch to 200 feet

Date: March, 1984

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Map No. 84-2

GEOPHYSICAL SURVEY REPORT
ON THE
McNEIL PROPERTY
McNEIL TOWNSHIP
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

INTRODUCTION

The McNeil Property was staked and recorded for Argyle Ventures Inc., on June 1, 1983.

A geophysical grid, at a 400 foot spacing, was subsequently established by Argyle Ventures Inc. in January, 1984. Two geophysical surveys, (Electromagnetic and Magnetic), were completed over the entire McNeil Property. The instruments used for the surveys were a Geonics EM16 unit and a Geometrics G816 Proton Magnetometer.

The geophysical survey was conducted by and under the active supervision of Mary Greer with Allan Foster, of Matheson, Ontario, assisting.

All drafting and interpretation was completed by Mary Greer.

The purpose of this report is to briefly describe the results obtained in said surveys.

The anomalies detected therefrom are shown on the accompanying plan maps at a scale of one inch to 200 feet, that form an intergral

part of this report.

PROPERTY DESCRIPTION

The McNeil property consists of twelve (12) contiguous unpatented mining claims, located in McNeil township, Larder Lake Mining Division, District of Timiskaming, Ontario. The claims are further described as follows:

Claim No.	No. of Claims
L-725016	1
L-725018	1
L-724951	1
L-724953	1
L-758921	1
L-725925	1
L-724365	1
L-724927	1
L-723375	1
L-725014	1
L-724929	1
L-724985	1
Total number of claims	12

Ownership of the claims have been attested to by Argyle Ventures Inc. of 470 Granville Street, Vancouver, B.C., and was not independently ascertained by the writer. (See figure 1b)

LOCATION AND ACCESS

The location of the McNeil Property is in the southeast corner of McNeil township, approximately thirty-five (35) miles west of the town of Kirkland Lake, and approximately thirty (30) miles southeast of the city of Timmins.

The property is accessible from Timmins via highway No. 101 and the Gibson Lake road, then via a series of logging roads to arrive at the south end of a lake which touches the northwestern corner of the claim block.

The property can also be accessible via highway No.66 from the town of Matachewan and secondary roads northwest to the southern boundary of the property. Access can be easier attained by helicopter services from Timmins, Ontario. (See figure 1a).

PREVIOUS WORK

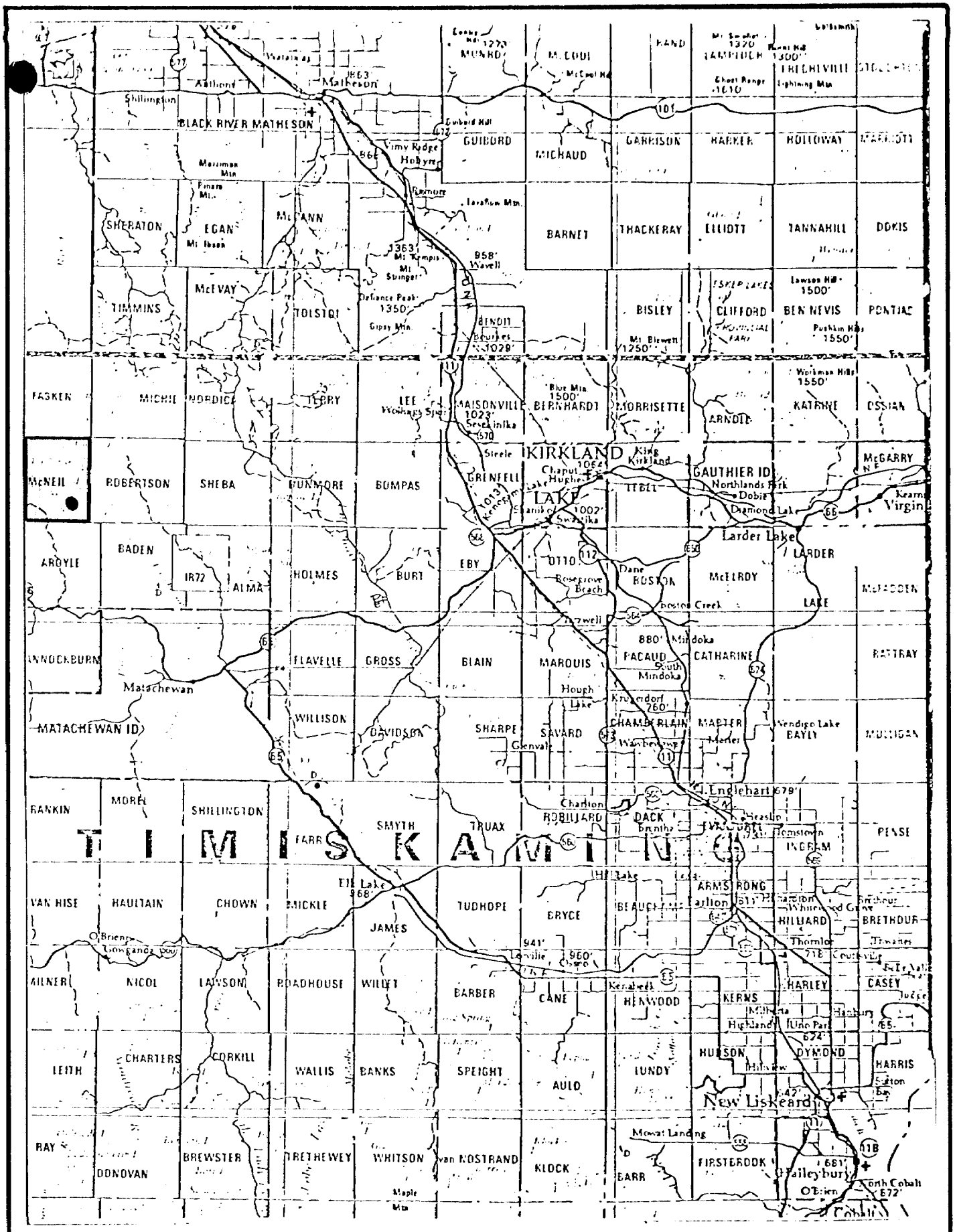
The McNeil Property is scattered with old pits and trenches, surface exploration carried out in the 1930's, on local gold showings. (See Economic Geology for further description, Page 5).

No known geophysical surveys have been conducted on the property.

SURVEY PROCEDURE

A baseline was established east from the west claim line boundary, approximately 550 feet south of the No. 3 post of claim L-725018, for a total footage of 5500 feet. The baseline was diverted at the 2700 foot mark, 250 feet south to by-pass the swamp creek crossing the property.

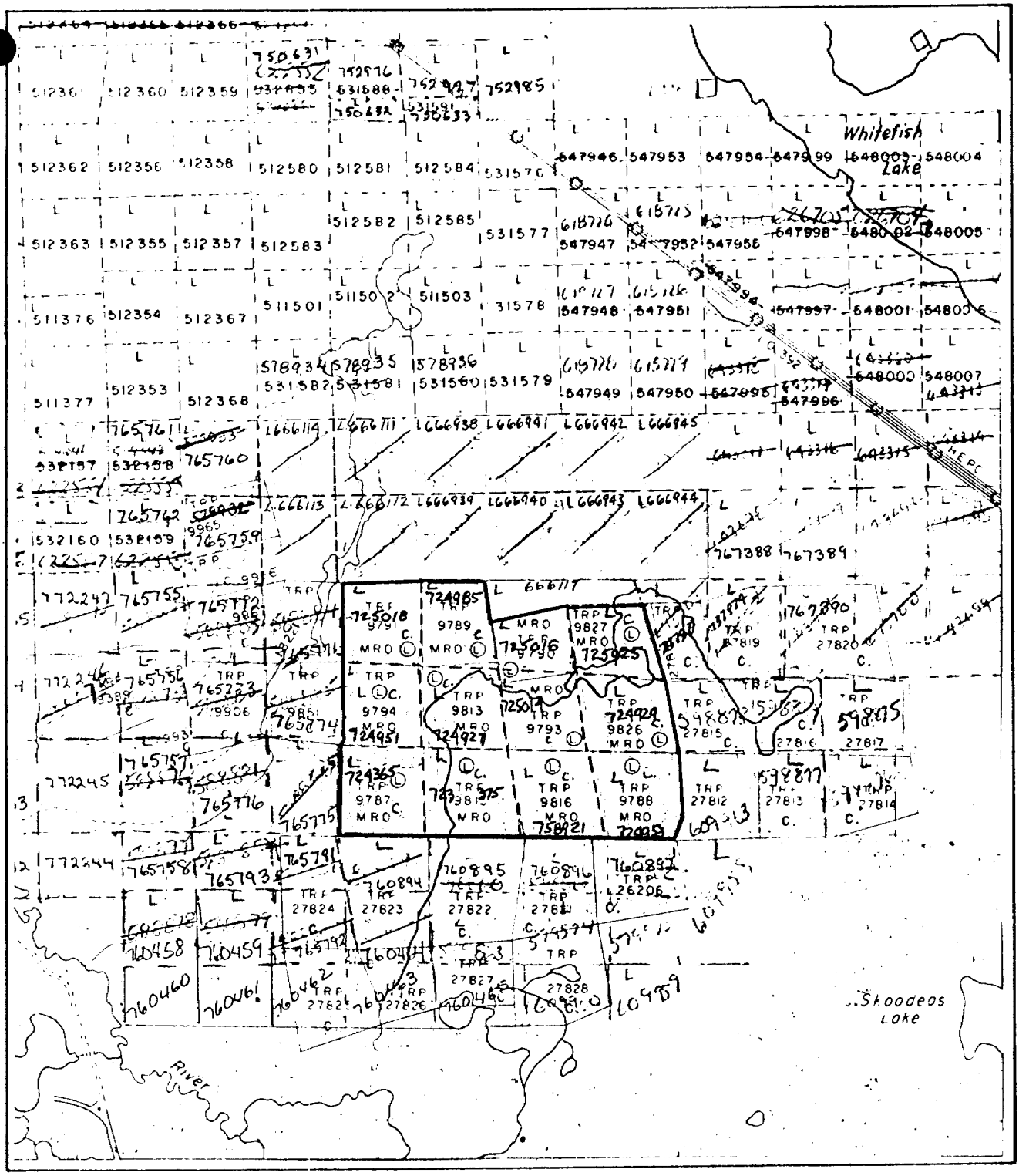
A grid system of picket lines at 400 foot spacings with stations every 100 feet, was then cut at right angles to the baseline.



Location Map

Miles 10 0 10 20

Figure 1a



Claim Location Map

Scale: 1 inch to 1/2 mile

(Taken from a March 1984 claim map)

Figure 1b

Readings were taken at fifty (50) foot intervals along the picket lines.

The primary magnetic base station was established at BL 13+00 W with secondary check stations at each 400 foot picketline-baseline intersection.

The time interval between each secondary magnetic check was approximately every forty-five (45) minutes.

TOPOGRAPHY

The McNeil property is relatively flat and covered by spruce and jack pine with alders and balsam fir in the lower swampy areas. Outcrop can be found to the western and southern sections of the property. In the northeastern part lies Tom Fox Lake which has a creek flowing out the west end, across the centre of the claim group then turning to cross the southern boundary.

GENERAL GEOLOGY

The McNeil property lies within the middle of a belt of folded and metamorphosed volcanics, pyroclastics and sediments of early Precambrian age. These groups of rocks all have the same general dip and crosses the region in a direction of approximately north 70° east.

In the immediate area of the property, the underlying bedrock has had a large amount of intrusion into the folded metavolcanics consisting of

mainly granitic plutons. There are two large faults striking north 40° west crossing the northeastern quarter and the western half of the township.

ECONOMIC GEOLOGY

Gold was initially discovered on the McNeil property in 1923. A large amount of surface work was performed and two shafts were sunk, one on what is known as the «Isadore Dike» a depth of sixty-five (65) feet and the other shaft is on the «Eight Foot Dike» sixty (60) feet deep. The Eight Foot Dike was further enlarged to 120 feet deep and another pit established 100 feet to the west.

In 1946 the claims were acquired by Goldyke Mines Limited. Goldyke Mines carried out a diamond drill program of a total footage of 8375 feet.

The metavolcanic rocks contain felsic lenses, that vary in size and texture. These lenses vary in thickness from eight (8) feet to thirty (30) feet and are continuous over a large area.

It is in the felsite lenses where local occurances of native gold can be found, associated with pyrite mineralization and quartz stringers.

Due to the hardness of the felsite lenses they tend to fracture under stress. It is in these fractures where the quartz stringers and pyrite disseminations are found, as the occurance of pyrite increases as

well as the intensity of fracturing so does the grade of gold.

INSTRUMENTATION

i) Electromagnetic Survey:

The VLF-EM method uses as a source, one of the main submarine communications transmitters in the 15 to 25 kHz band found throughout the world. These submarine communication radio waves travel in a single mode parallel to the surface of the earth along the earth-air interface.

Without vertical conductors and travelling over flat ground, the magnetic field component of this radio or surface wave is horizontal and perpendicular to it's direction of travel.

VLF instruments are capable of picking up these structures that change the direction of the waves by measuring the tilt angle of the major axis of the polarization ellipse. This is illustrated by the tilt angle being zero on flat ground, but when a conductor is present the tilt angle will acquire a finite value. The direction of tilt indicates the direction of the conductor. Calculations of such parameters as depth, depth extent, dip and width of the conductor is very minimal.

The VLF easily illustrates the location of the upper limit of dipping structures which can be seen or plotted as VLF profiles as areas of greatest change in tilt angle per unit of distance.

The instrument used for this survey was a Geonics VLF-EM16 Unit. The sensitivity of this unit is ± 1% for the in-phase and ± 1% for the quadrature. The operating frequency for the EM16 is from 15-25 kHz and the station selection is made by plug-in units.

For the purpose of this EM survey the station used was Cutler, Maine, which has a frequency of 24.0 kHz.

All the readings were taken facing north at 50 foot intervals and the topography was noted for future use in the interpretation of the EM results.

ii) Magnetic Survey:

This system uses a backward motion of spinning protons of a hydrogen atom within a fluid of hydrogen and carbon. These spinning magnetic protions are caused to have two opposite poles by applying a magnetic field using a current within a coil of wire. When the current is stopped, the protons precess about the earth's magnetic field and in turn generate a small current in the wire. This frequency of precession is proportional to the earth's total magnetic field.

This instrument is read directly in gammas which is the absolute value of the earth's total field for that station.

The instrument used for this survey was a Geometrics G-816 Proton Magnetometer, this instrument has a sensitivity of one gamma.

The diurnal variation was monitored by closing each loop at any secondary check station, at a gridline-baseline intersection.

Diurnal corrections were applied by linear distribution of any observed variation over the time between base stations. The corrections were calculated by using a time vs. drift graph.

PRESENTATION AND DISCUSSION OF RESULTS

i) Electromagnetic Survey:

The field data is presented on a map at a horizontal scale of one inch to 200 feet, map number 84-2 found in the back pocket of the report.

The VLF-EM data is illustrated as profiled data along the survey lines and is plotted at a vertical scale of one inch = $\pm$ 40% with the in-phase to the left and quadrature to the right.

The main VLF-EM activity occurs on the north half of the property. The southern half has a very low VLF response and flat profile.

The conductors found on the north half, particularly conductor 84-A found between lines L 16 + 00 E and L 0 + 00, are surface topographical features. Conductor 84-A being the approximate location of a surface swamp and a creek flowing from the lake.

Conductor 84-B is a topographical boundary between a gently sloping ridge and a low wet spruce bog.

Conductor 84-C may possibly be due to sediments on the lake bottom, since the conductor is a poor conductor and follows the centre of the lake.

ii) Magnetic Survey:

The field data is presented on a map, at a horizontal scale of one inch to 200 feet, map number 84-1, found in the back pocket of the report.

The magnetic data is illustrated as isomagnetic contours (contour interval: 100 gammas) on a map of corrected magnetic values recorded at each station.

The magnetic trend observed from the contoured data is east-west with a slight trend to the east-east north. There is a band of low magnetic susceptibility crossing the centre of the McNeil property.

The higher magnetic relief of the southern half of the property appears to be cut by some disturbance in the approximate location of line 12 + 00 W.

CONCLUSIONS AND RECOMMENDATIONS

All the found VLF-EM conductors occur in the approximate location of some type of topographical boundary and they do not have any magnetic association, therefore it can be concluded that these are surface conductors and cannot be associated with any type of economical conductors found at depth. The zero quadrature of the conductor found crossing the lake indicates this too is a surface feature.

The magnetic anomalies indicate the trend of the underlying

bedrock. The low magnetics are probably the host intermediate to mafic metavolcanics. Whereas the higher magnetic gives strong indication of the known intrusives that have the same strike as the magnetic trend. The band to the south of the McNeil property is probably an intrusive of higher magnetic susceptibility such as a gabbro-diorite intrusive.

Found in this magnetic high band are several narrow magnetic lows. These may possibly be lenses of felsite which generally show a lower magnetic relief.

Stretching in a north-northwest - south-south-east direction along L 20 + 00 W to L 12 + 00 W is some type of magnetic disturbance. This indicates a movement of the bedrock structure, probably in the form of a fault. It is indicated only in the magnetic data and not in the VLF-EM data because the VLF-EM will only indicate a fault if there is some type of conductivity associated with them.

It is in these described structures that gold mineralization is associated. The felsite lenses in the intrusives are clearly indicated and one recommendation would be a detailed geological survey. The survey should examine closely the area where the presumed fault is and the area of the presumed intrusive. An extensive power stripping program should be performed in these areas as well since there is a minimum outcrops on surface. This can only be performed in areas that have little overburden.

It is not recommended at this time to conduct any further VLF-EM

surveys. However a drill program to test the magnetic structure should be considered.

Respectfully submitted

Mary Greer

March 11, 1984

Mary Greer
Geological Technician

BIBLIOGRAPHY

Ontario Department of Mines No. 4

Notes on Gold in McNeil and other Townships

Percy E. Hopkins - 1924

CERTIFICATE

I, Mary Maureen Greer, of Lynden, Ontario, certify with respect to this Geophysical Report:-

1. That I am a Geophysical Technician and reside at 49 McKelvie Avenue, Kirkland Lake, Ontario.

2. That I graduated from Sir Sandford Fleming College at Lindsay, Ontario, in 1978, with a diploma as a Geological Technician.

3. That I was employed as a Geophysical Technician by H. E. Neal & Associates Ltd., of Suite 607, 55 Queen Street East, Toronto, Ontario, for eighteen months.

4. That I have been employed as a private Geological Consultant for the past two years.

5. That I have been practising my profession for a period of four years and I am qualified to write this report.

6. That I actively participated in the said survey.

March 11, 1984

Mary Greer

Geological Technician

Ontario Ministry of Natural Resources

Report of Work #107
(Geophysical, Geological, Geochemical and Expenditures)

2.1

42A02NW0070 2.6604 MCNEIL

900

(File L 723375)

The Mining Act

– Do not use shaded areas below.

Type of Survey(s): GEOPHYSICAL (Electromagnetic, magnetic)

Township or Area: McNeil Twp.

Claim Holder(s): Argyle Ventures Inc.

Prospector's Licence No.: T 1696

Address: 470 Granville St. Vancouver B.C. V6B 1C5

Survey Company

Date of Survey (from & to): 02 02 84 (Day Mo. Yr.) 12 02 84 (Day Mo. Yr.)

Total Miles of line Cut: 12.0 Mi.

Name and Address of Author (of Geo-Technical report): Mary Greer 49 McKELVIE AVE Kirkland Lake, Ontario

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	20
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

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

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

RECEIVED
APR 10 1984
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	723375	
	724365	
	724927	
	724929	
	724951	
	724953	
	724985	
	725014	
	725016	
	725018	
	725925	
	758921	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

LARDER LAKE MINING DIV.
RECEIVED
MAR 28 1984
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: 12

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: 480

Date Recorded: MAR 28 1984

Mining Recorder

Date Approved as Recorded: 84.8.24

Branch Director

Date: March 21/84

Recorded Holder or Agent (Signature): Mary Greer Agent

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

MARY GREER 49 McKELVIE AVE KIRKLAND LAKE, ONTARIO

Date Certified: March 21/84

Certified by (Signature): Mary Greer

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) VLF-EM GEOPHYSICAL SURVEY - MAGNETOMETER

Township or Area MCNEIL TOWNSHIP

Claim Holder(s) ARGYLE VENTURES INC.,
470 GRANVILLE ST., VANCOUVER, B.C.

Survey Company _____

Author of Report MARY GREER,

Address of Author 49 MCKELVIE AVE., KIRKLAND LAKE, ONT.

Covering Dates of Survey 10/01/84 - 20/03/84
(linecutting to office)

Total Miles of Line Cut 12.0 MILES

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	20
--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: March 11/84 SIGNATURE: Mary Greer
Author of Report or Agent

Res. Geol. _____ Qualifications 2.4529

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	723375
L	724365
L	724927
L	724929
L	724951
L	724953
L	724985
L	725014
L	725016
L	725018
L	725925
L	758921

If space insufficient, attach list

TOTAL CLAIMS 12

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 553 Number of Readings MAG 1109 VLF 1109

Station interval 100 Line spacing 400 FEET

Profile scale

Contour interval 100 GAMMAS

MAGNETIC

Instrument GEOMETRICS G816 PROTON MAGNETOMETER

Accuracy – Scale constant 1 GAMMA

Diurnal correction method CLOSED LOOPS

Base Station check-in interval (hours) APPROXIMATELY EVERY 45 MINUTES

Base Station location and value BL 13 + 00 59409 GAMMAS

ELECTROMAGNETIC

Instrument GEONICS VLF-EM16

Coil configuration VERTICAL AND HORIZONTAL

Coil separation INFINITY

Accuracy + - 1%

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

Frequency 24.0 kHz CUTLER, MAINE (specify V.L.F. station)

Parameters measured IN-PHASE AND QUADRATURE

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

1984 08 27

File: 2.6604
Your File: 107

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

Dear Sir:

RE: Geophysical (Electromagnetic and Magnetometer) Survey submitted on Mining Claims L 723375 et al in Township of McNeil

---

Please disregard my Notice of Intent dated July 24, 1984 for the above-mentioned survey. The claim holder has recently submitted new data.

The assessment work credits as indicated on the attached statement have been approved as of the above date.

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

Yours sinderely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

D. Isherwood:mc

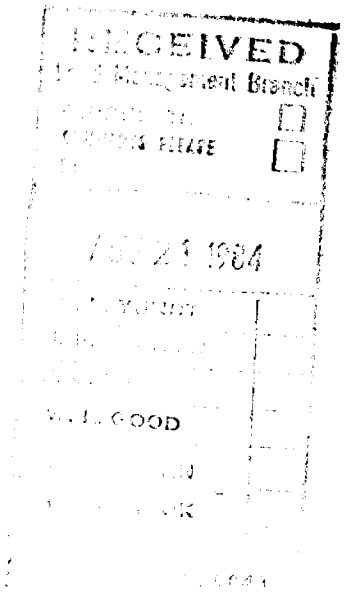
cc: Mary Greer
40 McKelvie Avenue
Kirkland Lake, Ontario
P2N 2K6

cc: Argyle Ventures
470 Granville Street
Vancouver, B.C.
V6B 1C5

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

Encl.

49 McKelvie Avenue,
Kirkland Lake, Ontario
P2N 2K6



August 14, 1984

Mr. Doug Isherwood,
Land Management Branch,
Ministry of Natural Resources,
Whitney Block,
Room 6643,
Queen's Park,
Toronto, Ontario
M7A IW3

Dear Mr. Sherwood:

RE: Your File #2.6604
Our File #107

Further to your letter dated July 24, 1984, to Mr. George J. Koleszar, copy to me, please find enclosed 2 copies of Map No. 84-1 and 2 copies of Map No. 84-2 on the Mcneil Property, as per your request.

I trust this is satisfactory, and remain,

Yours truly,

Mary Greer

Mary Greer,
MG/p

Encls.

RECEIVED
AUG 21 1984
MINING LANDS SECTION

Ministry of Natural Resources

Ontario

AUG 15, 1984

2.6604

~~Aug 7, 1984~~

1984 07 24

Your File: 107
Our File: 2.6604

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
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.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

RO D. Isherwood:mc

Encls.

cc: Argyle Ventures Inc
470 Granville Street
Vancouver, B.C.
V6B 1C5

cc: Mary Greer
49 McKelvie Avenue
Kirkland Lake, Ontario
P2N 2K6

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

FILE

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1984 07 24

2.6604/107

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 Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ontario Ministry of Natural Resources

Technical Assessment Work Credits

File 2.6604

Date 1984 07 24

Mining Recorder's Report of Work No. 107

Recorded Holder: ARGYLE VENTURES INC

Township or Area: McNEIL TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	L 723375
Electromagnetic 20 days	724365
Magnetometer 20 days	724927
Radiometric ____ days	724929
Induced polarization ____ days	724951
Other ____ days	724985
Section 77 (19) See "Mining Claims Assessed" column	725014
Geological ____ days	725016
Geochemical ____ days	725018
Man days ☐ Airborne ☐	725925
Special provision ☒ Ground ☒	758921
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

PAID

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

10 DAYS CREDIT ELECTROMAGNETIC, MAGNETOMETER

L 724953

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 77(19) — 60:

828 (83/6)

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.6604

Mining Lands Comments

☐ To: Geophysics

Comments

☐ Approved ☐ Wish to see again with corrections	Date	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)

1984 04 24

Your File: 107
Our File: 2.6604

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:

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 723375 et al in the Township of McNeil.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-6918

A. Barr:sc

cc: Argyle Ventures Inc
470 Granville Street
Vancouver, B.C.
V6B 1C5

cc: Mary Greer
49 McKelvie Avenue
Kirkland Lake, Ontario
P2N 2K6

49 McKelvie Avenue,
Kirkland Lake, Ontario

REGISTERED MAIL

March 24, 1984

Mr. Fred Matthews,
Lands Administration Branch,
Mining Lands Section,
Ministry of Natural Resources,
Room 6450, Whitney Block,
Queen's Park,
Toronto, Ontario
M7A IW3

Dear Sir:

RE: Technical Report for
McNeil Township
Larder Lake Mining Division

Enclosed herewith please find a duplicate copy of the following:

- Report dated March 11, 1984, by Mary Greer entitled:

  Geophysical Survey Report
  on the
  McNeil Property
  McNeil Township
  Larder Lake Mining Division
  District of Timiskaming, Ontario

I trust this is the information required to correspond with the Report of Work filed concerning the above noted township.

Yours truly,

Mary Greer

Mary Greer
Geological Technician

Mg/p
Encls.

Mining Lands Section

File No 2.6604

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

Claim boundary misplotted on original submission

LD

Signature of Assessor

21/08/84

Date

Initial Check _____

Assessed _____

Approved Reports of Work sent out _____

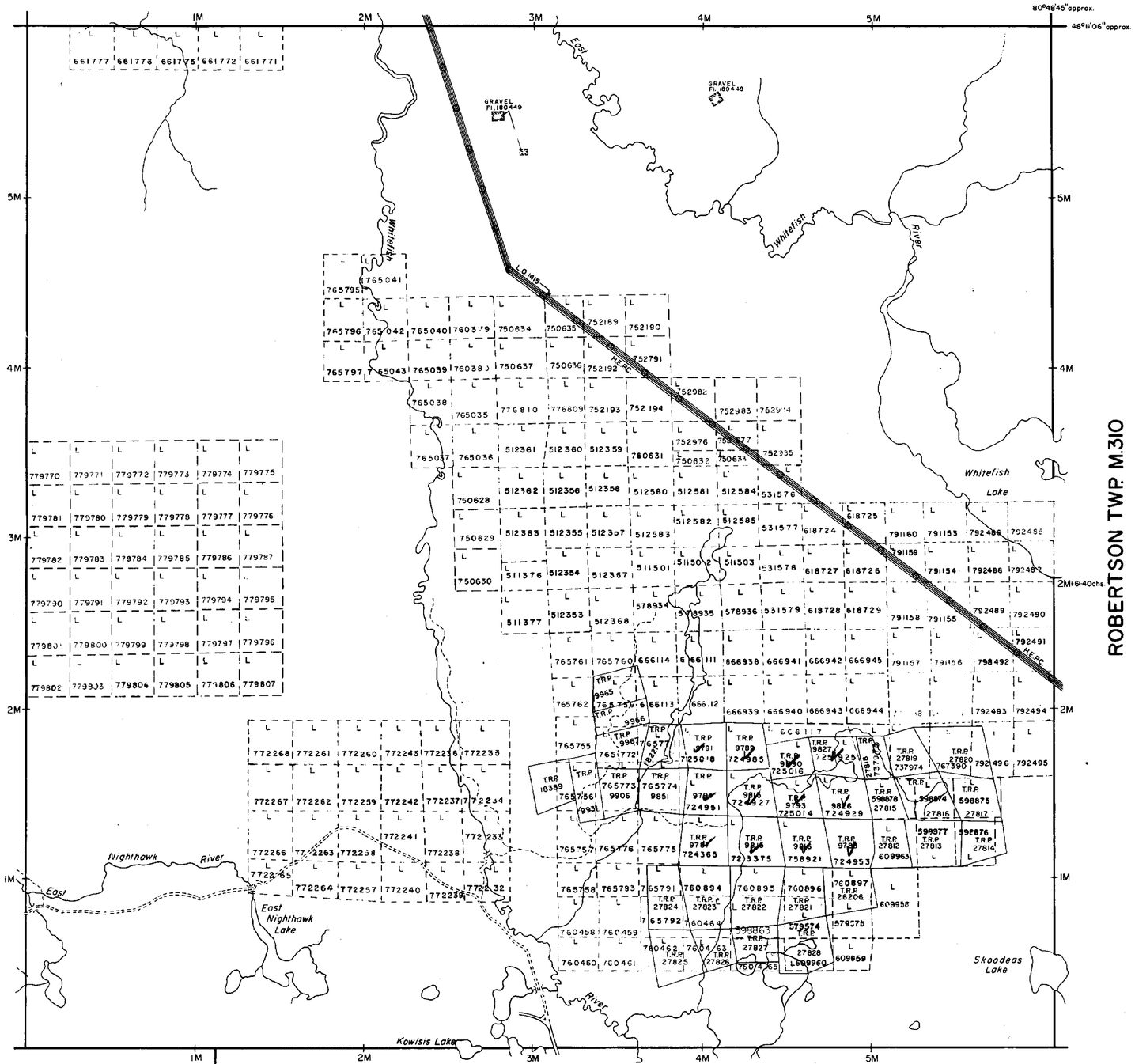
Notice of Intent filed _____

Approval after Notice of Intent sent out _____

Duplicate sent to Resident Geologist _____

Duplicate sent to A.F.R.O. _____

FASKEN TWP. M.280



NOTES

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

LEGEND

PATENTED LAND	P or
PATENTED FOR SURFACE RIGHTS ONLY	
LEASE	L
LICENSE OF OCCUPATION	L.O.
CROWN LAND SALES	C.S.
LOCATED LAND	Loc.
CANCELLED	C.
MINING RIGHTS ONLY	M.R.C.
SURFACE RIGHTS ONLY	S.R.O.
HIGHWAY & ROUTE NO.	17
ROADS	
TRAILS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	

*used only with summer resort locations or when space is limited

TOWNSHIP OF

McNEIL

DISTRICT OF
TIMISKAMING

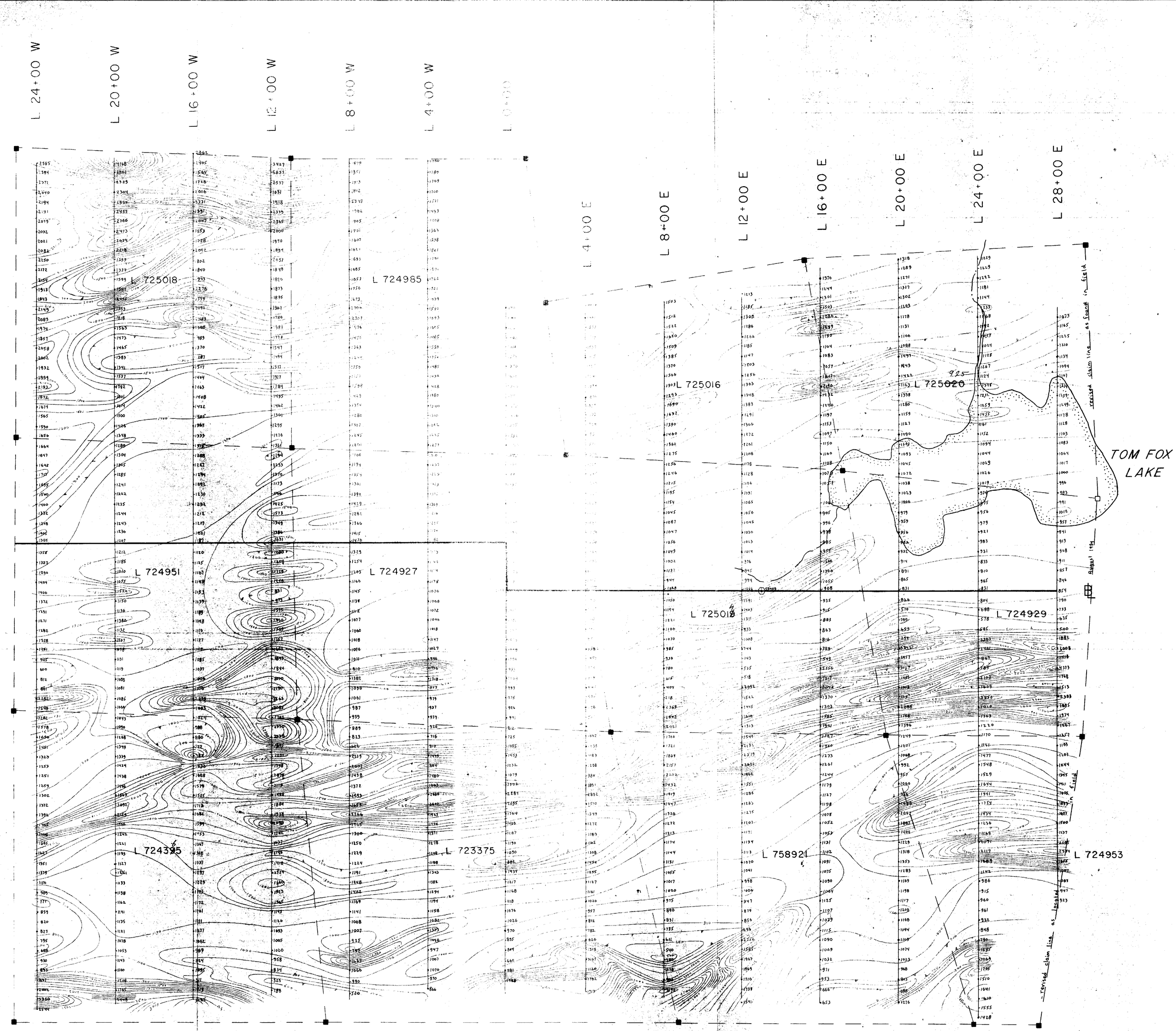
LARDER LAKE
MINING DIVISION

SCALE : 1 INCH 40 CHAINS (1/2 MILE)

DR. D.K.	PLAN NO. M.300
DATE 18 2 71	

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

M.300



Mag 10°W

N

LEGEND

- > 3000 γ
- 2500 - 3000 γ
- 2000 - 2500 γ
- 1500 - 2000 γ
- 1000 - 1500 γ
- 500 - 1000 γ
- < 500 γ

SYMBOLS

- Base station
- Isomagnetic contours
- Claim post
- Claim line
- Creek
- Lake

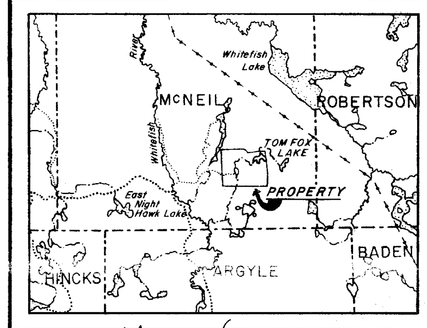
INSTRUMENTATION

GEOMETRICS G816
PROTON MAGNETOMETER
Contour interval - 100 gammas

Contoured by: Mary Greer

KEY MAP

(Scale: 1 inch to 2 miles)



Mary Greer

McNEIL PROPERTY

GROUND MAGNETOMETER SURVEY

McNEIL TOWNSHIP
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

200 0 200 400 600

Scale: 1 inch to 200 feet

ARGYLE VENTURES INC.
VANCOUVER B.C. CANADA

Drawn by: Mary Greer	Map No.: 84-2	Date: March 1984

2.6604

L 24+00 W
L 20+00 W
L 16+00 W
L 12+00 W
L 8+00 W
L 4+00 W
L 0+00
L 4+00 E
L 8+00 E
L 12+00 E
L 16+00 E
L 20+00 E
L 24+00 E

L 725018
84-B
L 724985
L 725016
L 725020 (925)
84-C
TOM FOX LAKE
84-A
L 724951
L 724927
L 725013
L 724929
L 724385
L 723375
L 758921
L 724953

Mag 10°W
N

SYMBOLS

- In-phase
- Quadrature
- Claim post
- Claim line
- Creek
- Lake

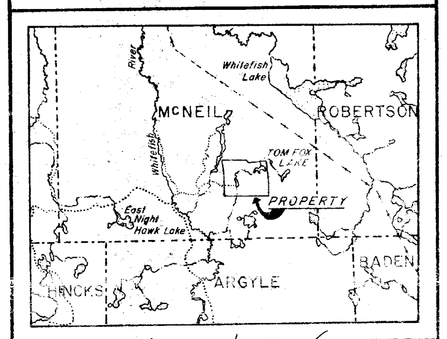
INSTRUMENTATION

GEONICS VLF-EM16
Station used: NAA Cutler, Maine
Frequency: 24.0 kHz
Vertical scale: 1 inch = ± 40%

Positive | Negative | Positive | Negative

KEY MAP

(Scale: 1 inch to 2 miles)



McNEIL PROPERTY

GROUND VLF-EM SURVEY

McNEIL TOWNSHIP
LARDER LAKE MINING DIVISION
DISTRICT OF TIMISKAMING, ONTARIO

500 0 200 400 600

Scale: 1 inch to 200 feet

ARGYLE VENTURES INC.
VANCOUVER B.C. CANADA

Drawn by: Mary Greer | Map No.: 84-1 | Date: March 1984

2.6604