010

REPORT

ON

VLF ELECTROMAGNETIC

AND

MAGNETOMETER

GEOPHYSICAL SURVEYS

PANTHCO RESOURCES INC.

MARY ANN-AVALARD MINES PROPERTY

GAUTHIER AND McVITTIE TOWNSHIPS

LARDER LAKE MINING DIVISION, ONTARIO

June 12, 1988
Toronto, Ontario

E. A. Gallo, B.Sc., F.G.A.C.
Gallo Exploration Services Inc.

INTRODUCTION

Panthco Resources Inc. holds 54 claims under option in the Kirkland Lake-Larder Lake gold district of northern Ontario. The property includes ground that was formerly held by Mary Ann Mines Ltd., and Avalard Mines Ltd.

Previous exploration performed by the former owners in the 1940's includes diamond drilling. Assays of up to 0.75 oz gold per ton, 6.95 oz silver per ton, and 6.12% copper across variable widths were reported.

As part of a multi-phase exploration program of the property, Panthco Resources Inc. has completed VLF EM and Magnetometer Surveys. This Report provides details regarding these Surveys, and discusses the technical results obtained by them.

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VLF ELECTROMAGNETIC AND MAGNETOMETER

GEOPHYSICAL RESULTS

PANTHCO RESOURCES INC.

MARY ANN-AVALARD MINES PROPERTY

GARTHIER AND McVITTIE TOWNSHIPS

LARDER LAKE MINING DIVISION, ONTARIO

LOCATION

The 54 claims are situated in the east central part of Gauthier Township, and the west central part of adjoining McVittie Township. The property lies 12 miles (19 kilometers) due east of the town of Kirkland Lake, Ontario. Figure 1 is a general location sketch.

CLAIMS DATA

All 54 of the claims comprising the property are contiguous. Only 20 of the claims require assessment work credits, and they are numbered:

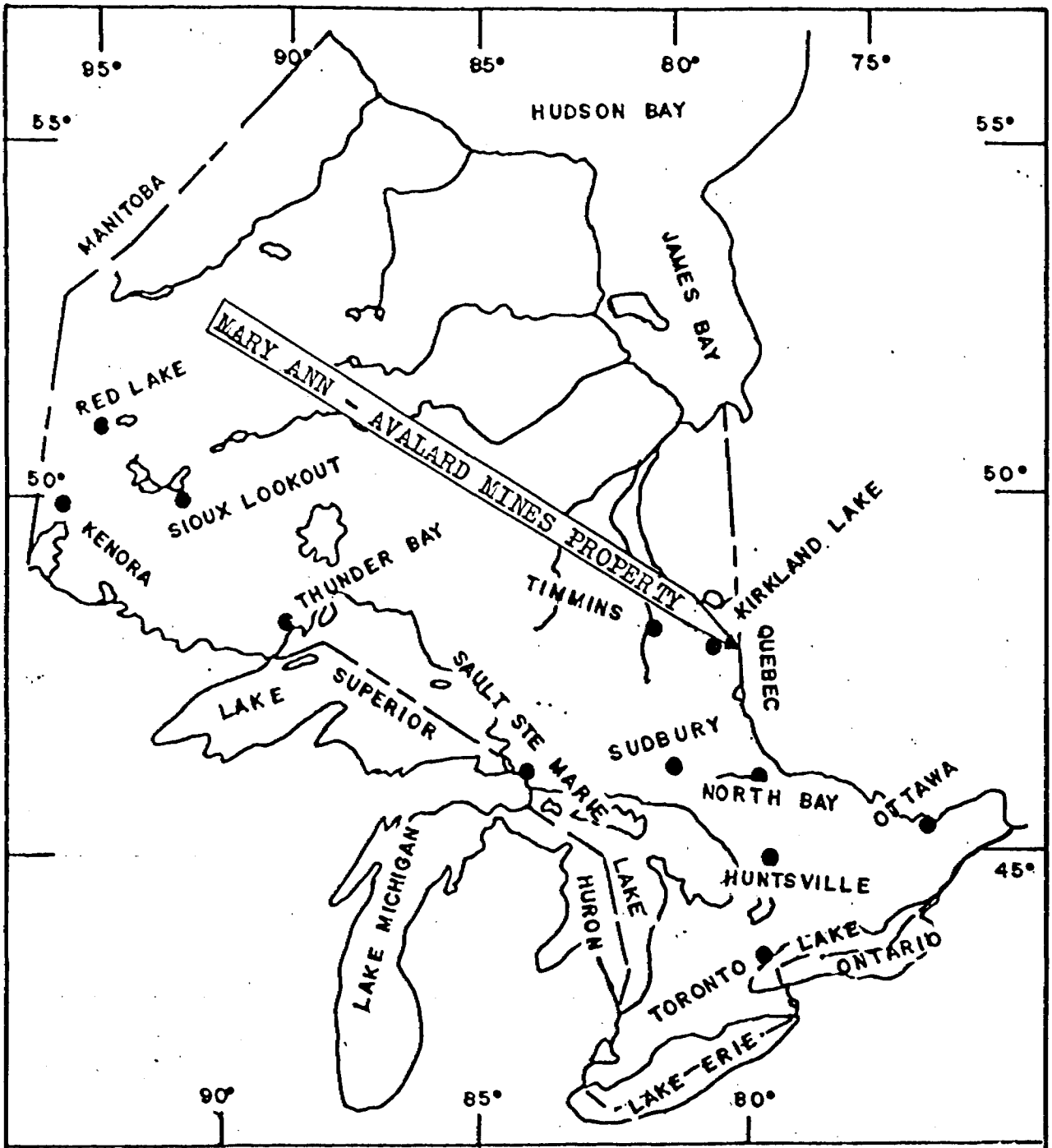
L 859153 - 56, inclusive	(4)	
L 859612 - 15, inclusive	(4)	
L 884026 - 28, inclusive	(3)	
L 884525 - 28, inclusive	(4)	
L 982246 - 49, inclusive	(4)	
L 982471	(1)	
TOTAL	20	claims

The 20 claims are shown outlined in red on Figure 2.

ACCESS

The property is easily reached by car. The gravel road to the old Upper Beaver Mine provides convenient access to the western and northern portions of the property from Provincial Highway 66.

Another gravel road off Highway 66 follows the west bank of the Misema River, and provides access to the eastern portion of the



PROVINCE OF ONTARIO

MARY ANN - AVALARD MINES PROPERTY
GAUTHIER & MCVITTIE TOWNSHIPS
KIRKLAND LAKE AREA, ONTARIO.

PANYHCO RESOURCES INC.
LOCATION MAP

Scale: 1:1,000,000 Sept. 1987.

FIGURE 1

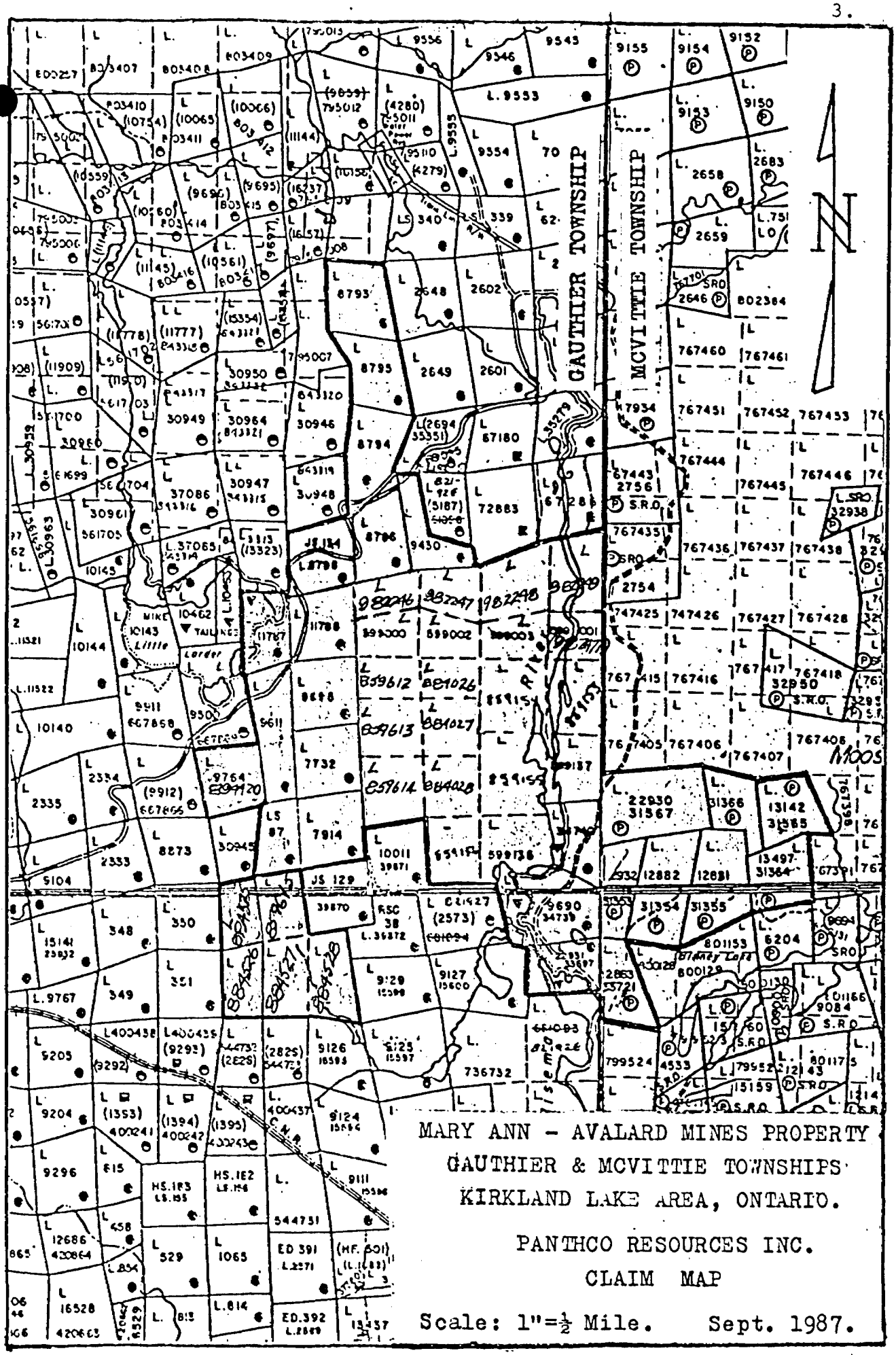

GAUTHIER TOWNSHIP
MCVITTIE TOWNSHIP
N
MARY ANN - AVALARD MINES PROPERTY
GAUTHIER & MCVITTIE TOWNSHIPS
KIRKLAND LAKE AREA, ONTARIO.
PANTHCO RESOURCES INC.
CLAIM MAP
Scale: 1"=½ Mile. Sept. 1987.

FIGURE 2

property. The hydro electric transmission line through the southern part of the property serves as a walking trail to the southern portions of the property.

TOPOGRAPHY

The ground is relatively flat. Outcroppings of rock form low hills up to 60 feet (20 meters) high. Ridges of sand and gravel provide similar topographic features, while streams incised into varved clays have formed valleys as much as 60 feet (20 meters) deep.

GENERAL GEOLOGY

The property is underlain mainly by a sequence of Archean metavolcanic and metasedimentary rocks which are part of the Abitibi greenstone belt. The rocks trend generally east-west, and dip vertically. Dykes and small bodies of quartz porphyry have intruded the metavolcanics and metasediments.

LINECUTTING

A Base Line with Azimuth 90° was established, and Cross Lines were cut at 100 meter intervals perpendicular to the Base Line. Secondary base lines and tie lines were cut as needed. A total of approzimately 27.6 kilometers of lines were cut on the 20 claims.

VLF EM SURVEY

The Very Low Frequency Electromagnetic (VLF EM) Survey was performed with a Geonics EM 16 instrument. Station NAA, broadcasting on a frequency of 24.0 kHz from Cutler, Maine, was read. Twenty conductive zones were located, and they have been arbitrarily designated A to T. Figures 3 and 4 show the results of the VLF EM Survey.
Conductor A extends for at least 700 meters from station 3+25 S on Line 22 W to 4+50 S on Line 15 W. Conductivity is locally moderate, with peak-to-peak amplitude response up to 64 degrees.

Conductor B is approximately 400 meters long, and extends from 2+00 S on Line 19 W to 0+25 S on Line 23 W, and perhaps further. Peak-to-peak amplitude locally reaches 63 degrees, indicating moderate conductivity.

Conductor C is a single-intercept response detected at 3+00 N on Line 8 W. It displays weak conductivity, with amplitude of 40 degrees. C appears to be influenced somewhat by its close proximity to parallel conductive zone D, 75 meters to the north.

Conductor D is at least 200 meters long. It was detected at 3+75 S on Lines 8 W and 9 W. It displays weak to moderate conductivity, with maximum amplitude of 39 degrees.

Conductor E occurs at 5+00 N on Line 13 W, and extends 100 meters westwards to the west boundary of the claim. Amplitude is 21 degrees, indicating very weak conductivity.

Conductor F is over 500 meters long, extending from 6+00 N on Line 12 W to 5+00 N on Line 7 W. Conductivity is locally strong, with maximum amplitude of 164 degrees.

Conductor G is approximately 300 meters long. It extends from 7+00 N on Line 13 W to 6+75 N on Line 10 W. Conductivity is weak, with maximum amplitude of 45 degrees.

Conductor H is over 1,000 meters long, extending from 6+00 N on Line 4 W to beyond 8+00 N on Line 14 W. Maximum amplitude is 72 degrees, indicating locally moderate conductivity.

Conductor I extends from 8+50 N on Line 12 W to 8+50 N on Line 13 W, a distance of 100 meters. Moderately-weak conductivity is displayed, with a maximum amplitude of 49 degrees.

Conductor J is also 100 meters long. It extends from 8+50 N on Line 7 W to 8+75 N on Line 6 W. Maximum amplitude is 46 degrees, indicating weak to moderate conductivity.

Conductor K is a weak, single-intercept response at 10+50 N on Line 11 W. Amplitude is 45 degrees.

Conductor L is a very weak zone that extends for 100 meters from 12+50 N on Line 13 W to 12+50 N on Line 12 W. Maximum amplitude is 38 degrees.

Conductor M extends for approximately 300 meters, from 13+50 N on Line 11 W to 12+00 N on Line 8 W. Maximum amplitude is 61 degrees, indicating locally moderate conductivity.

Conductor N is 300 meters long. It extends from 13+50 N on Line 6 W to 13+75 N on Line 9 W. Maximum amplitude is 81 degrees, indicating locally moderate conductivity.

Conductor O is a moderate zone that extends for 100 meters from 13+75 N on Line 4 W to 14+25 N on Line 3 W. Maximum amplitude is 61 degrees.

Conductor P was detected at station 17+00 N on Line 0. It is a very weak response, with amplitude of 17 degrees.

Conductor Q was also detected on one line only, this one at 18+00 N on Line 1 W. It too is very weak.

Conductor R is at least 100 meters long, and extends from 21+00 N on Line 1 W to 21+25 N on Line 0, and perhaps further. It is a weakly conductive zone, with maximum amplitude of 34 degrees.

Conductor S is at least 400 meters. It extends from 17+00 N on Line 5 W to beyond 19+50 N on Line 9 W. It displays locally strong conductivity, with a maximum amplitude of 98 degrees.

Conductor T extends from 8+00 N on Line 10 W to beyond 8+50 N on Line 13 W, a distance of at least 300 meters. It is a moderate conductor, with maximum amplitude of 68 degrees.

MAGNETOMETER SURVEY

The Magnetometer Survey was performed with a GEM-8 Proton Precession Magnetometer. Base readings were taken along the Base and Tie Lines, and Cross Lines were read by the loop method, with all loops less than 1 hour duration.

The Magnetometer Survey results indicate a variable pattern of magnetic susceptibilities for the property. Background values appear to range between 58,100 - 58,200 nanoteslas for the north and southwest parts of the property. The entire central part of the property is distinguished by a disrupted pattern of oval magnetic highs and lows. The highest reading obtained in the survey, 59,414 nanoteslas, as well as the lowest, 57,946 nanoteslas, both occur in this area, at 7+25 N on Line 6 W, and 5+50 N on Line 6 W, respectively. This disrupted magnetic pattern may reflect the presence of a mafic intrusive body such as a gabbro or a basic diorite.

Figures 5 and 6 show the results of the Magnetometer Survey.

CONCLUSIONS

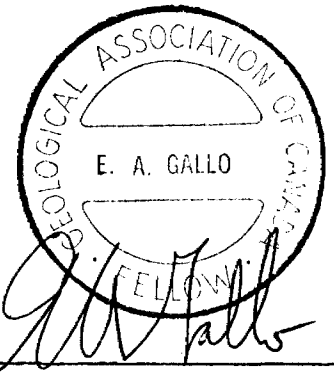
The VLF EM Survey located 20 conductive zones, of which 2 are strongly conductive, and 8 are moderately conductive.

The Magnetometer Survey located a broad zone of variable high-and-low magnetics in the central part of the property.

RECOMMENDATIONS

All 10 of the strong and moderate conductive zones should be examined in detail to determine their causes. The zone of variable high-and-low magnetics should similarly be examined in detail to determine the nature of the underlying strata.

The property should be geologically mapped in detail, with emphasis placed on explaining the 10 strong and moderate conductive zones, and the area of variable magnetics.



June 12, 1988
Toronto, Ontario

E. A. Gallo, B.Sc., F.G.A.C.

Ministry of Northern Development and Mines
Ontario

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

DOCUME W8808

32D04NW0081 2.11583 GAUTHIER

900

Type of Survey(s)		Township or Area
Geophysical	**2.11583**	Gauthier & ~~McVittie~~ Twps.

Claim Holder(s)	Prospector's Licence No.
PANTHCO RESOURCES INC. (Optioned from 657873 Ontario Ltd)	T-5050

Address: 595 Argus Road, Oakville, Ontario L6J 3J4

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
GALLO EXPLORATION SERVICES INC.	23 11 87 (Day Mo. Yr.) — 10 06 88 (Day Mo. Yr.)	Approx. 60

Name and Address of Author (of Geo-Technical report)
E. A. Gallo, 148 Allanhurst Drive, Islington, Ontario M9A 4K7

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 (VLF)	40
	· Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	
	· Other	
	Geological	
	Geochemical	

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

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

RECEIVED
JUN 27 1988
MINING LANDS SECTION

RECEIVED
JUL 18 1988

RECORDED
JUN 27 1988
Receipt #

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	859153	
	859154	
	859155	
	859156	
	859612	
	859613	
	859614	
	859615	
	884026	
	884027	
	884028	
	884525	
	884526	
	884527	
	884528	
	982246	
	982247	
	982248	
	982249	
	~~982471~~	
(W)	982471	

Total number of mining claims covered by this report of work. ~~17~~ 20

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1,200 Z.P.	June 27/88	M.A. Weeme
	Date Approved as Recorded	Branch Director
	See revised statement.	

Date	Recorded Holder or Agent (Signature)
June 22, 1988	E.A. Gallo

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

Ministry of
Northern Development
and Mines

Ontario

Ministère du
Développement du Nord
et des Mines

October 19, 1988

Your file: W8808-286
Our file: 2.11583

Mining Recorder
Ministry of Northern Development and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Re: Notice of Intent dated October 4, 1988
Geophysical (Electromagnetic & Magnetometer) Survey
submitted on Mining Claims L 859153 et al
in the Township of Gauthier

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

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

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

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

Telephone: (416) 965-4888

RM
RM:pl
Enclosure

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

Resident Geologist
Kirkland Lake, Ontario

Panthco Resources Inc.
595 Argus Road
Oakville, Ontario
L6J 3J4

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.11583

Date: October 4/88

Mining Recorder's Report of Work No.: W8808.286

Recorded Holder: PANTHCO Resources Inc.

Township or Area: GAUTHIER

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	L 859153 to 156 inclusive
Electromagnetic 40 days	859612 to 615 inclusive
Magnetometer 20 days	884026 to 028 inclusive
Radiometric ____ days	884525 to 528 inclusive
Induced polarization ____ days	982249
Other ____ days	982471
Section 77 (19) See "Mining Claims Assessed" column	
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 77 (16) for the following mining claims

30 days ELECTROMAGNETIC
15 days MAGNETOMETER

L 982248

20 days ELECTROMAGNETIC
10 days MAGNETOMETER

L982246-247

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

828 (85/12)

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File _____

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

Type of Survey(s) Geophysical - VLF EM & Mag

Township or Area Gauthier Township (G-3211)

Claim Holder(s) Panthco Resources Inc. (657873 Ont. Ltd.

595 Argus Road, Oakville, Ontario L6J 3J4

Survey Company Gallo Exploration Services Inc.

Author of Report E. A. Gallo, 148 Allanhurst Dr.

Address of Author Islington, Ontario M9A 4K7

Covering Dates of Survey Nov. 23/87 - June 10/88
(linecutting to office)

Total Miles of Line Cut Approx. 27 kms.

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	
VLF –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: Sept. 6/88 SIGNATURE: E. A. Gallo
Author of Report or Agent

Res. Geol. _____ Qualifications 63.2224

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

L 859153
L 859154
L 859155
L 859156
L 859612
L 859613
L 859614
L 859615
L 884026
L 884027
L 884028
L 884525
L 884526
L 884527
L 884528
L 982246
L 982247
L 982248
L 982249
L 982471

TOTAL CLAIMS 20

If space insufficient, attach list

OFFICE USE ONLY

837 (85/12)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations Approx. 1,100 Number of Readings Approx. 1,000

Station interval 25 meters Line spacing 100 meters

Profile scale 50 meters = 20% (1:2500)

Contour interval 100 nanoteslas

MAGNETIC

Instrument GEM-8 Proton Precession Magnetometer

Accuracy – Scale constant 0.5 nanoteslas

Diurnal correction method Closed loops of Max 1 hour duration, progressive correction

Base Station check-in interval (hours) Maximum 1 hour

Base Station location and value Base stations along base lines at Cross Lines

ELECTROMAGNETIC

Instrument Geonics EM 16

Coil configuration

Coil separation

Accuracy 1 degree

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

Frequency Cutler, Maine - 24.0 kHz (specify V.L.F. station)

Parameters measured In-Phase Dip Angles, Out-of-Phase

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 _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+ S. – MINING AND SURFACE RIGHTS

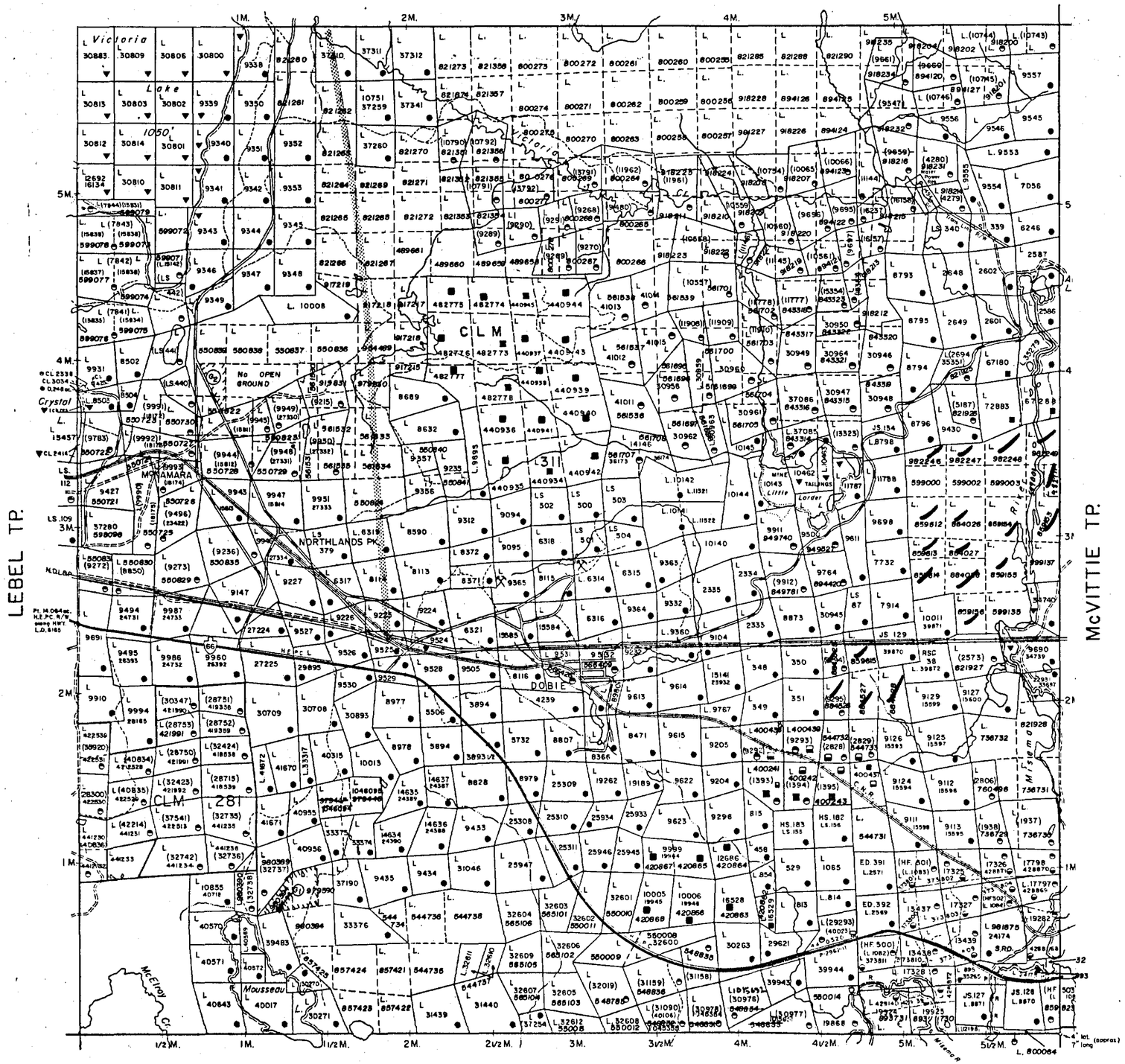
Description	Order No.	Date	Disposition	File

BARRICK POWER LINE
(Application pending under Public Lands Act)

SAND and GRAVEL

M.T.C.	PIT No. 1666	FILE 101421	
M.T.C.	PIT 3F-27		

ARNOLD TP.



McELROY TP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◨
" , MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊖
CANCELLED	⊕
SAND & GRAVEL	◔

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

DATE OF ISSUE
JUL 7 1988
LARDER LAKE MINING RECORDER'S OFFICE

TOWNSHIP

GAUTHIER

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

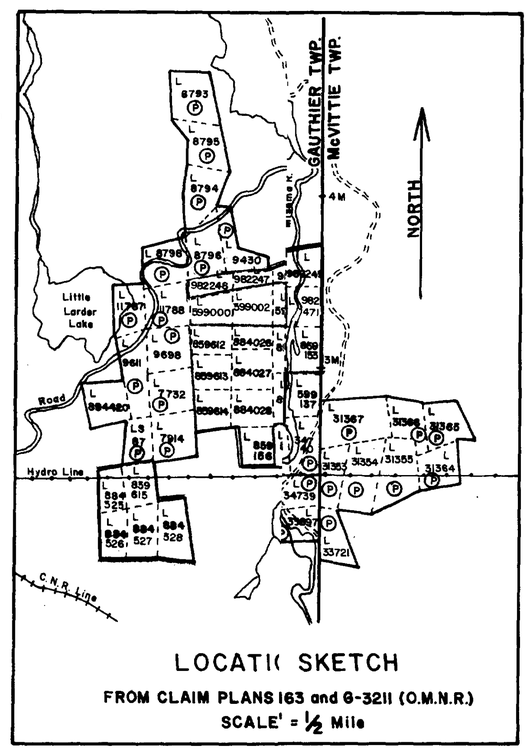
LAND TITLES / REGISTRY DIVISION

TIMISKAMING

Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
JANUARY, 1985	G-3211
FEBRUARY 8,1988	

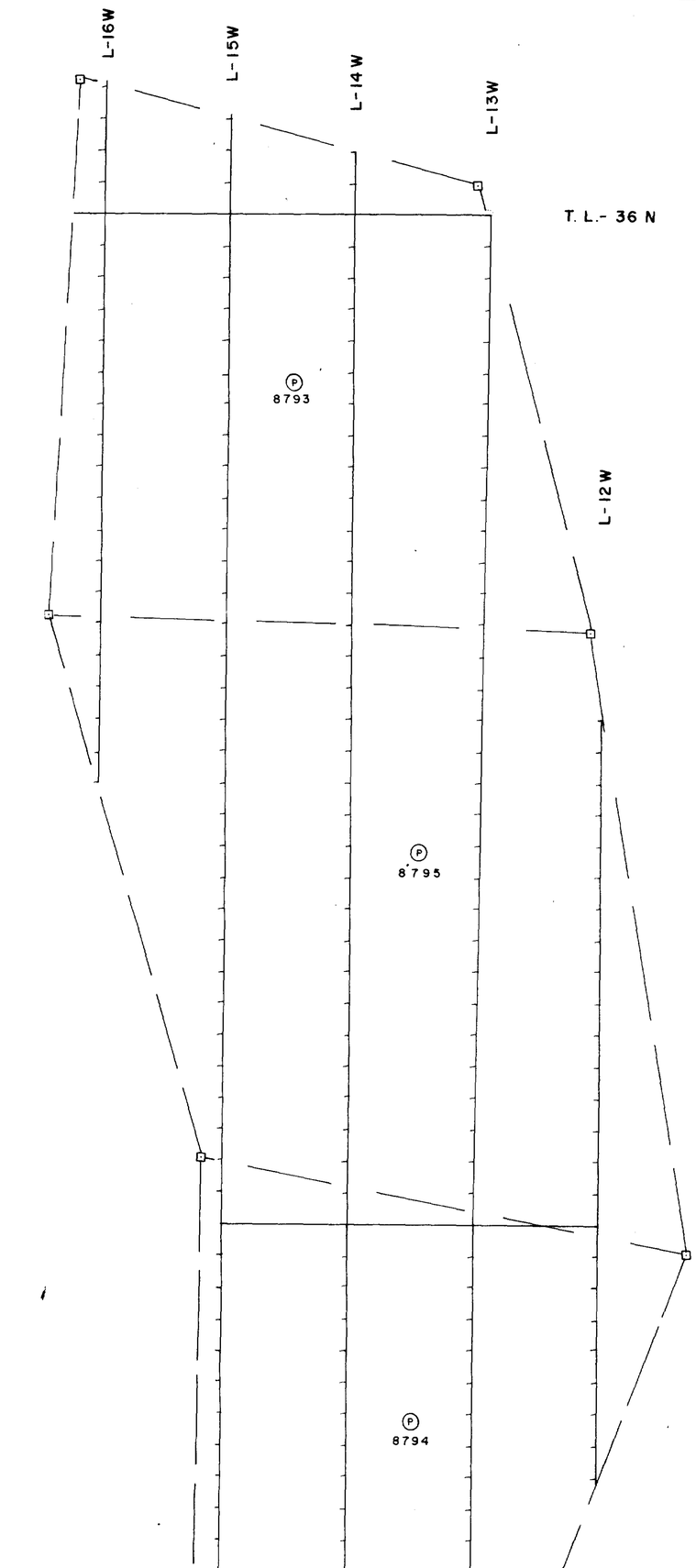

BASE LINE ION
BASE LINE O
T.L.-7N
T.L.-5+75N
T.L.-4N
T.L.-2S
T.L.-4S
T.L.-7S
MISEMA
RIVER
GAUTHIER TWP.
McVITTIE TWP.
To Dobie
Beaverhouse Lake Road
To Hwy 66
POWER LINE
LOCATION SKETCH
FROM CLAIM PLANS G-3163 and G-3211 (O.M.N.R.)
SCALE: 1" = 1/2 Mile
NORTH
LEGEND
IN PHASE READINGS
OUT-OF-PHASE READINGS
CROSS OVER
IN PHASE
OUT-OF-PHASE
CONDUCTOR AXIS
N = No Null (Power Line)
KEY
2.11583
METRES
E. A. GALLO
GEOLOGICAL ASSOCIATION OF CANADA
FELLOW
PANTHCO RESOURCES INC.
TORONTO, ONTARIO
MARY ANN - AVALARD MINES PROPERTY
GAUTHIER AND McVITTIE TOWNSHIPS
KIRKLAND LAKE AREA, ONTARIO
VLF EM PROFILES
SCALE: 1:2500
DRAWN BY:
MAP No.
DATE: July, 1988
N.T.S. 32D/4
REVISED:
210

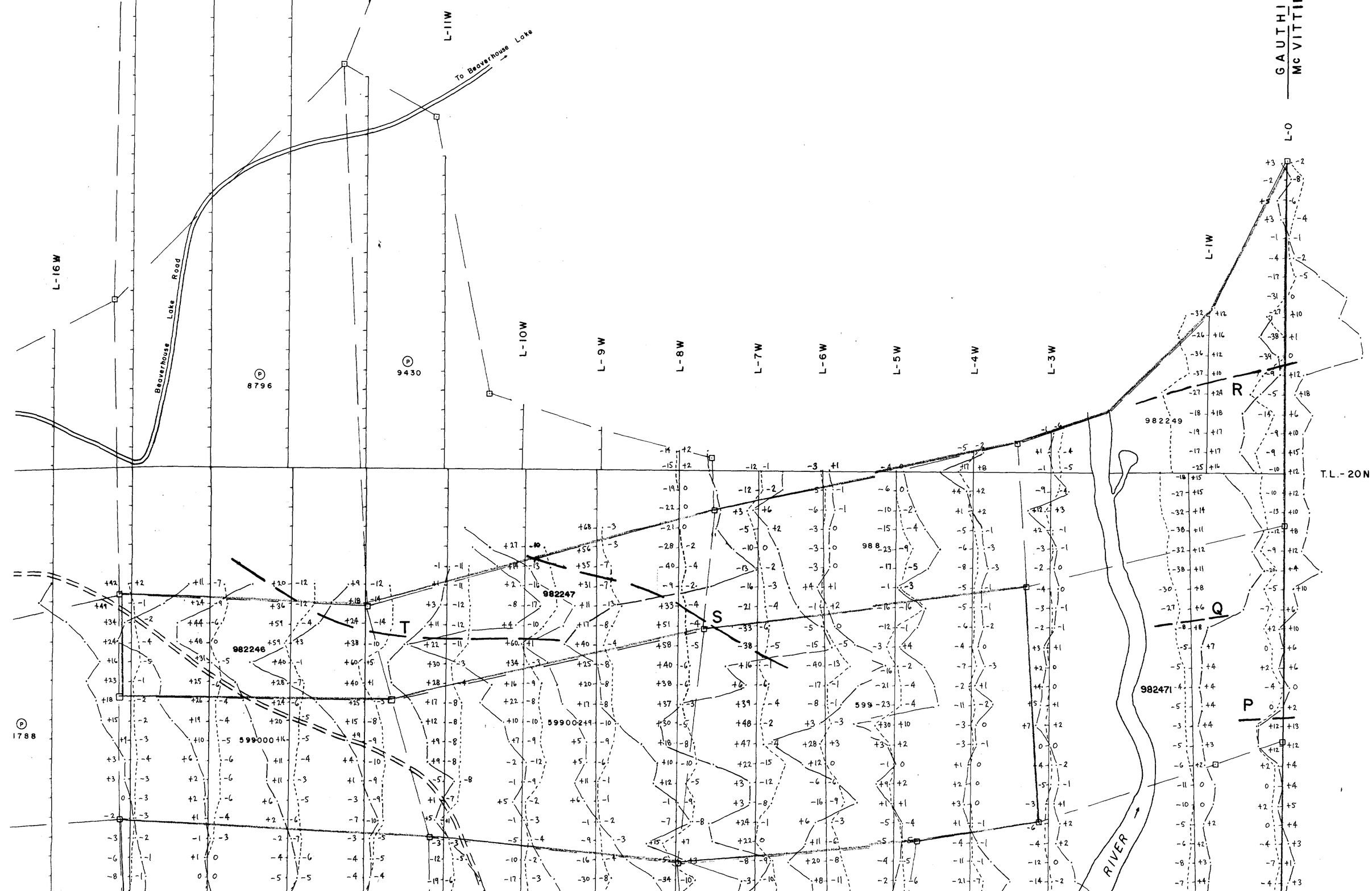


LOCATI(SKETCH

FROM CLAIM PLANS 163 and G-3211 (O.M.N.R.)

SCALE' = ½ Mile





LEGEND

IN PHASE/OUT-OF-PHASE READING READINGS

-2 +1

-8 -6 — CROSS OVER

IN PHASE → +8 5 / +10 6

OUT-OF-PHASE → +4 5 / +3 5

+40° −40°

KEY

— — CONDUCTOR AXIS

BASE LINE ION

2-1583

0 100 200 METRES

GEOPHYSICAL ASSOCIATION OF CANADA E.A. OLLILA FELLOW

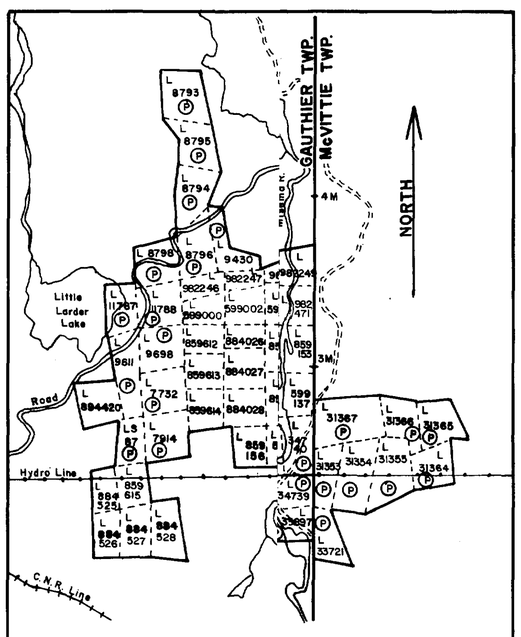
PANTHCO RESOURCES INC.	
TORONTO, ONTARIO	
MARY ANN – AVALARD MINES PROPERTY	
GAUTHIER AND McVITTIE TOWNSHIPS KIRKLAND LAKE AREA, ONTARIO	
VLF EM PROFILES	
SCALE: 1:2500	DRAWN BY:
DATE: July, 1988	N.T.S 32D/4
MAP No.	
REVISED:	

PANTHCO RESOURCES INC.
TORONTO, ONTARIO

MARY ANN - AVALARD MINES PROPERTY
GAUTHIER AND McVITTIE TOWNSHIPS
KIRKLAND LAKE AREA, ONTARIO

MAGNETOMETER SURVEY RESULTS

SCALE: 1:2500	DRAWN BY:	MAP No.
DATE: July, 1988	N.T.S. 32D/4	REVISED:



LOCATIC SKETCH

FROM CLAIM PLANS 163 and G-3211 (O.M.N.R.)

SCALE = ½ Mile

T.L.- 36 N

T.L.- 28N

T.L.- 20N

L-16W L-15W L-14W L-13W L-12W L-11W L-10W L-9W L-8W L-7W L-6W L-5W L-4W L-3W L-2W L-1W L-0

8793 8795 8794 8796 9430

To Beaverhouse Lake

Beaverhouse Lake Road

RIVER

MISEMA

982246 982247 982249 982471 599000 599002 599137 884026 884027 884028 859153 859154 859155 859612 859613

GAUTHIER TWP. / McVITTIE TWP.

BASE LINE ION

2.11583

0 100 200 METRES

LEGE

NOTE : ADD 58,000 NANOTESLAS TO EACH READING

CONTOUR INTERVAL – 100 NANOTESLAS

VALUES IN NATESLAS

KEY

PANTHCO RESOURCES INC.
TORONTO , ONTARIO

MARY ANN – AVALARD MINES PROPERTY

GAUTHIER AND McVITTIE TOWNSHIPS
KIRKLAND LAKE AREA , ONTARIO

MAGNETOMETER SURVEY RESULTS

SCALE: 1:2500	DRAWN BY:	MAP No.
DATE: July, 1988	N.T.S 32D / 4	REVISED:

L-16W
L-15W
L-14W
L-13W
L-12W
L-11W
L-10W
L-9W
L-8W
L-7W
L-6W
L-5W
L-4W
L-17W
L-18W
L-19W
L-20W
L-21W
T.L.- 36 N
T.L.-28N
8793
8795
8794
8796
8798
11788
11787
9698
9611
7732
982246
982247
982248
599000
599003
859612
859613
859154
859155
884026
884027
S
N
M
L
K
To Beaverhouse Lake
Beaverhouse Lake Road
Mine LAKE Tailings
LOCATION SKETCH
FROM CLAIM PLANS G-3163 and G-3211 (O.M.
SCALE : 1" = 1/2 Mile
GAUTHIER TWP.
McVITTIE TWP.
NORTH
Little Larder Lake
Hydro Line
C.N.R. Line
CONDUCTOR AXIS
LEGEND
IN PHASE READINGS
OUT-OF-PHASE READINGS
CROSS OVER
IN PHASE
OUT-OF-PHASE
+40°
0
-40°

L-16W L-15W L-14W L-13W

T. L.- 36 N

L-12W

L-11W

TL.-28N

L-19W L-18W L-17W L-16W L-10W L-9W L-8W L-7W L-6W L-5W L-4W

L-21W L-20W

P 8793

P 8795

P 8794

P 8796

P 8798

P 11787

P 11788

P 9698

P 9611

P 7732

599000 599002 599003

982246 982247 982248

859612 859613 884026 884027 859154 859155

Beaverhouse Lake Road

To Beaverhouse Lake

Mine Tailings LAKE

Little Larder Lake

Hydro Line

C.N.R. Line

Road

GAUTHIER TWP.

McVITTIE TWP.

Misema R.

4M

3M

NORTH

LOCATION SKETCH

FROM CLAIM PLANS G-3163 and G-3211 (O.M.N

SCALE : 1" = ½ Mile

NOTE : ADD 58,000 NANOTESLAS TO EACH READING

CONTOUR INTERVAL – 100 NANOTESLAS

LEGEND

171
153
181
163
149

VALUES IN NANOTESLAS