



31M13SW0006 2 16536 CHAMBERLAIN

010

AN OPAP FUNDED
REPORT ON A
MAGNETOMETER SURVEY
AND
INDUCED POLARIZATION SURVEY
CHAMBERLAIN TOWNSHIP
KIRKLAND LAKE MINING DIVISION

2.16536

By: Raymond L. Lashbrook
Jan. 1995



010C

INDEX

	PAGE -----
INTRODUCTION	1, 2
PROPERTY, LOCATION AND ACCESS	2
PREVIOUS WORK	2
CLAIM MAP - 1" = 1/2 MILE	FIG. 1
REGIONAL GEOLOGY	3
GEOLOGICAL MAP - TIMMINS-KIRKLAND LAKE AREA	FIG. 2
PROPERTY GEOLOGY	3, 4
LINECUTTING	4
MAGNETOMETER SURVEY	4, 5
INDUCED POLARIZATION SURVEY	5, REPORT
CONCLUSIONS	5, 6
RECOMMENDATIONS	6
APPENDIX -----	
I.P. REPORT, SECTIONS AND PLAN	
MAGNETOMETER MAP - BACK POCKET	

and the resultant gold and silver mineralization.

(2)

This OPAP program was made possible because of problems encountered on the original OPAP program in Joly Township. The remainder of the money was used to cover this program of linecutting, magnetometer and induced polarization surveys.

PROPERTY, LOCATION AND ACCESS

The property is located in the Township of Chamberlain in the S1/2 of Conc. 1, Lot 5. It consists of one 4 unit claim numbered 1197680 and recorded in the name of Raymond Lashbrook.

The property is easily accessed from Hwy. 560 approximately 4 kms. east from Englehart and then north on a township road for about 2 kms. to the south boundary. Lines 1E to 5E all intersect the east-west portion of the access road.

PREVIOUS WORK

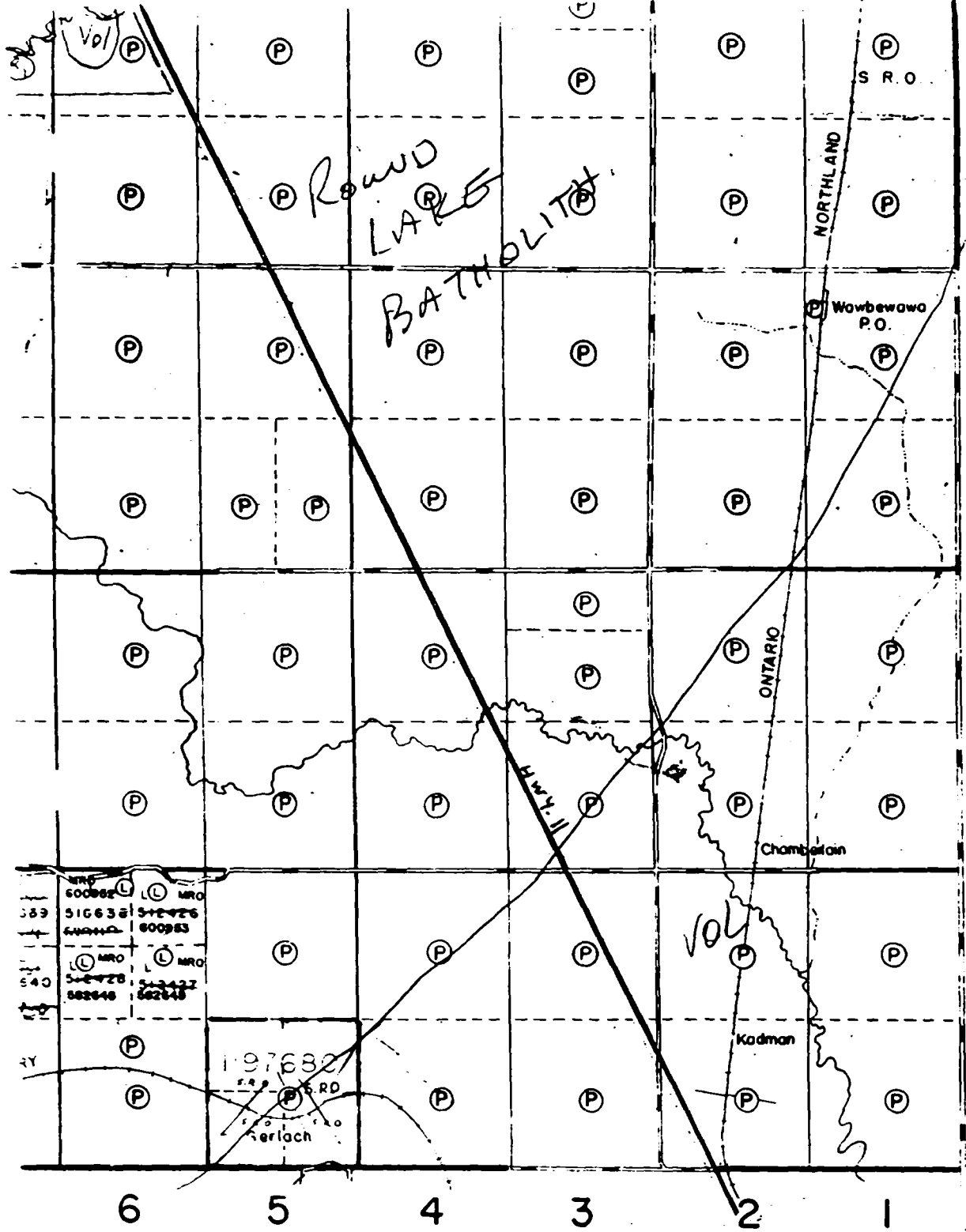
The property has had previous work performed on it as evidenced by old pits and trenches some of which probably date to the 1930's.

In 1985 a program consisting of east-west linecutting, magnetometer/vlf-em surveys and geological mapping was performed over the property as part of an OMEP program. No follow-up work was performed as a result of this program.

Two drill holes, reported to have been drilled on quartz veins near the northwest boundary, returned low but persistent values in gold.

COMMODITIES SOUGHT

Gold and silver in a vein type setting.



DACK
Twp.

FIG #1
CLAIM MAP
CHAMBERLAIN TWP.
1" = 1/2 mi

IV

III

II

I

Marter Twp.

REGIONAL GEOLOGY

The property lies within the Kirkland Lake area of the Abitibi Greenstone Belt being about 35 kilometers south from the town. The komatiitic Wabewawa Group underlies an area near the southeastern boundary of the Round Lake Batholith. To the north along this contact an older calc-alkalic supergroup is represented by the Pacaud Tuffs. Intruding these rocks is the Round Lake Batholith, an elliptical composite intrusion roughly 30 kms. by 80 kms. It is composed mainly of massive and gneissic tonalite and trondhjemite.

PROPERTY GEOLOGY

The property is bisected by a northeast trending fault that separates the Wabewawa Group to the southeast from the Round Lake Batholith to the northwest.

The Wabewawa Group is composed of a series of ultramafic to mafic flows that are from medium to coarse grained and dark green to black in colour. Within this unit are narrow interflow sediments and weak ironstone formations. Some of the ultramafics have been altered to brown carbonate and/or green carbonate. The strike of these units are in a general northeasterly direction with steep dips.

The batholith generally consists of 1/4" feldspar and quartz phenocrysts set in a finer grained matrix and being from a light to medium pink to greyish colour.

Intruded into the volcanic rocks are lamprophyric and felsic dikes.

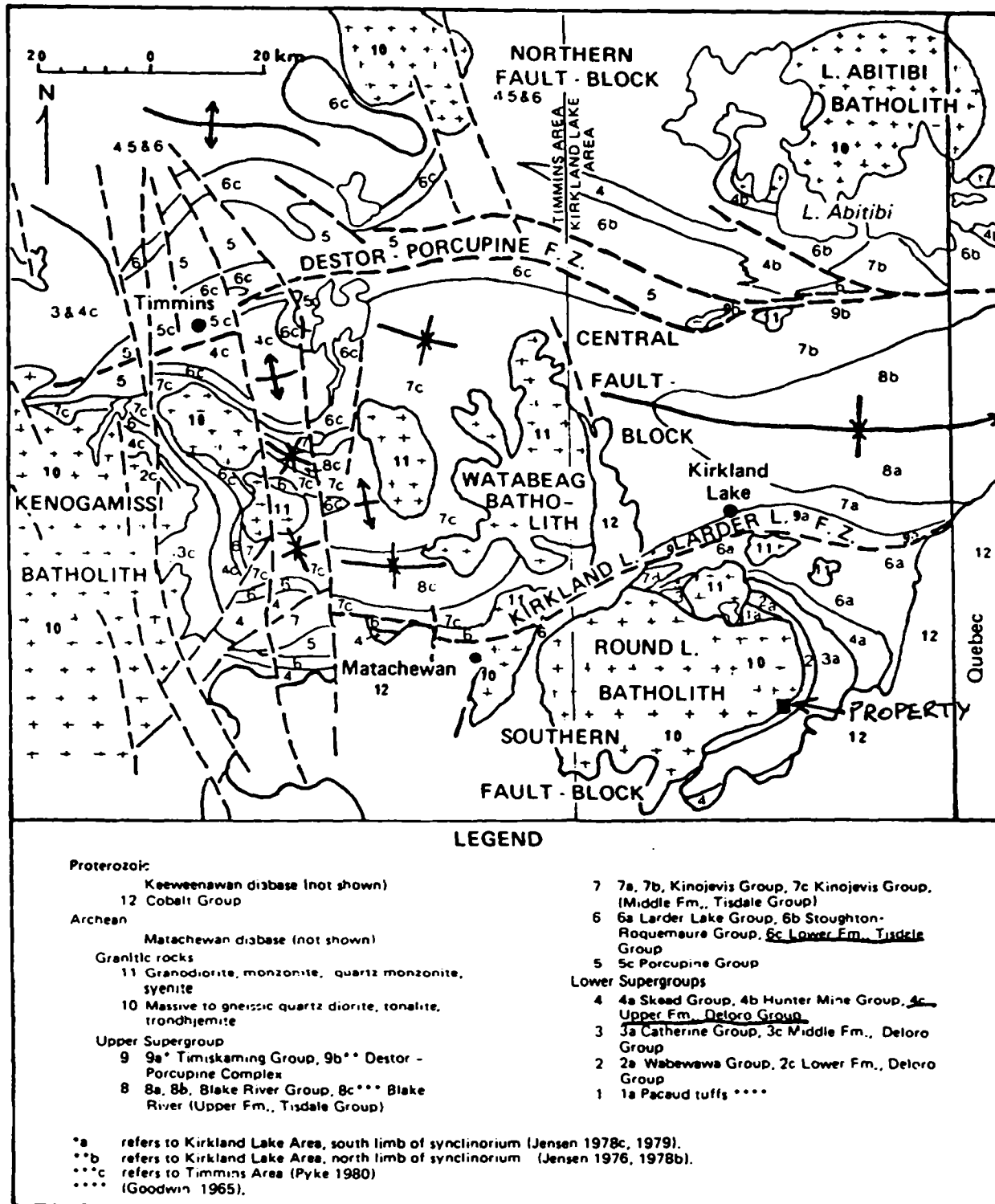


Figure 2 Geological map of the Timmins - Kirkland Lake area.

LINECUTTING

A base line was turned off by compass at an azimuth of 045 degrees starting at the #3 claim post. The baseline was cut for 900 meters with lines established every 100 meters in a 135/315 degree direction. A total of 6.0 kilometers of crosslines and 0.9 kilometers of baseline was cut.

MAGNETOMETER SURVEY

The magnetometer survey was conducted using a Scintrex MP-4 Proton Magnetometer. Line 500 East at the baseline was established with a base value of 57,650 nT and then all of the baseline was read and corrected to this value. Readings along the crosslines were corrected for diurnal drift from the baseline values.

The intensity of the values is rather flat except in the southeast in the mafic volcanics where one anomaly stretches from L2E at 1+75S to L6E at 3+12.5S. This anomaly attains a maximum value of 60,534nT. It is probably caused from thin magnetite ironstone within the interflow sediments.

The rest of the area underlain by the volcanics shows a general southwest-northeast magnetic trend parallel to subparallel to the faulted contact.

This faulted contact zone shows a broad low feature generally less than 57,650 nT.

In the northwest part of the property two creeks trend northeasterly

near 350N and 475N, subparallel to the faulted contact. These areas both have a weak magnetic low, from 50 to 100 gammas less than the surrounding rocks. This feature may be due to faulting. One magnetic high reading on L3E at 1+75N is caused from an old box-wire fence on the ground near the railway bed.

INDUCED POLARIZATION SURVEY

See attached report.

CONCLUSIONS

The magnetometer survey showed one magnetic anomaly trending across the property from L2E, 1+75S to L6E, 3+12.5S The I.P. survey shows a good conductor subparallel and flanking this magnetic anomaly to the northwest. The strongest portion of the anomalies correspond on L4E. On L's 3E and 9E the I.P. corresponds to a magnetic low. The results of the combined surveys don't quite compare overall and may be caused from different sources.

The contact zone between the Round Lake Batholith and the Wabewawa Group corresponds to a northeast trending magnetic low and as a resistivity low. The I.P. results are interpreted as being caused from a fault. Two other similar features on the I.P. may also be interpreted as northerly trending faults.

The two geophysical surveys completed to date on this property has outlined potential sites for mineralization (a) the mag-I.P. anomalies (b) the contact zone of the batholith and (c) the

(6)

northerly trending faults.

The northeast strike of the I.P. anomaly is very similar to the strike of the gold-bearing deformation zone on the Dack property to the south.

In view of these facts further work is warranted.

RECOMMENDATIONS

The following program is recommended.

- (i) The property should be mapped and prospected.
- (ii) Humus sampling should be performed on the whole property.
- (ii) Mechanical stripping and trenching should be performed across the I.P./mag anomalies and other sites located by the prospecting and humus program.
- (iv) 5,000 feet of diamond drilling should be performed on the contact zone, on the I.P./mag anomalies and on other sites identified during the above program.



RAY LASHBROOK

GERLACH PROPERTY

Larder Lake Mining Division

Chamberlain Twp., Ontario

Report on ground geophysical surveys:

INDUCED POLARIZATION

Rouyn-Noranda, Québec

January 24 1995

Gérard Lambert, P.Eng.

Consulting Geophysicist

Introduction

In January 1995, ground geophysical investigations, consisting namely in Induced Polarization surveys, were carried out the Gerlach property, for RAY LASHBROOK.

The purpose of this work was to map the distribution of sulphides in the bedrock and to identify geophysical targets for further exploration.

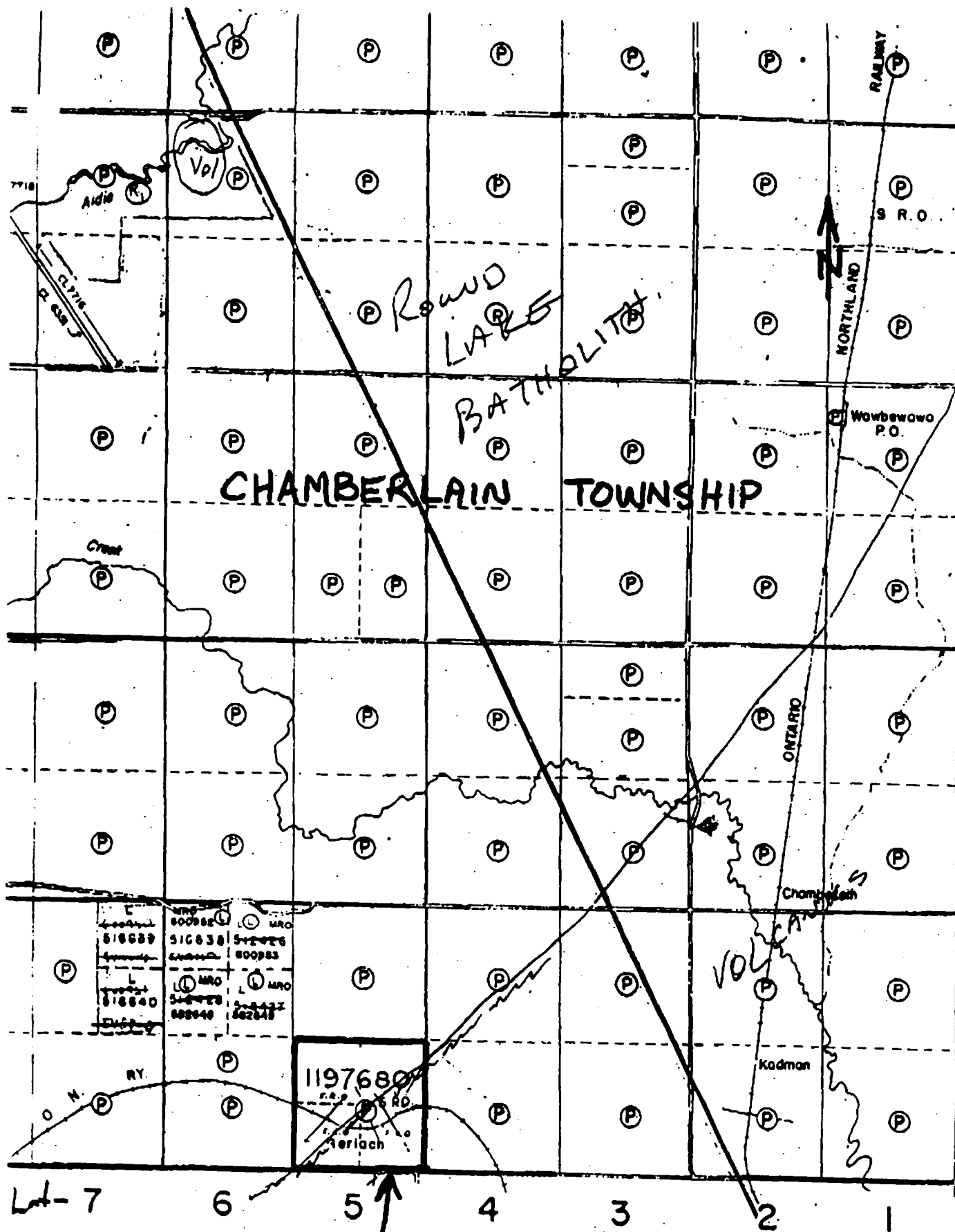
This report describes the work done and discusses the results and interpretation of the data. Recommendations for any future work are presented in the conclusion.

The I.P. survey was carried out in early January 1995 by crews of Ghislain Bélanger Geophysics Ltd. of Rouyn-Noranda, Québec.

Property description, location and access

The Gerlach property is situated at about 34 kilometers south-southeast of Kirkland Lake, Ont., at the southern boundary of Chamberlain township. It is easily accessible by access roads leading west from highway 11 near Englehart.

Please refer to Figures 1. and 2. for the location of the property. The claims which constitute the property are shown on figure 2 (claim no. 1197680).



CONC
IV

III

II

I

Lot - 7

6

5

4

3

2

1

Dack Twp.

GERLACH PROPERTY

SCALE 1" = 1/2 mi.

FIGURE 2

Description of the geophysical surveys

The Induced Polarization surveys were carried at 100m intervals between lines 2+00E to 9+00E inclusive (8 lines total). The survey lines were oriented at 315°, spaced every 100 meters and chained every 25 meters, extending both to the northwest and to the southeast of base line 0+00E striking at 045°. The (0,0) point is situated at the southwest corner of claim 1197680, along the Chamberlain-Dack township line.

Readings of the ground's apparent resistivity (in ohm-meters) and polarization (in milliradians) were taken every 50 meters along the survey lines, using a dipole-dipole electrode configuration. A dipole dimension of 50 meters was employed and separation multiples of 1, 2, 3, 4 and 5 were used to investigate at depth.

A total of approximately 6.25 line-km of I.P. surveys were carried out in the present work.

The I.P. transmitter was a Phoenix IPT-1, powered by a 2500-watt motor generator. The receiver was a Phoenix Turbo V-4 phase-domain receiver. The frequency of the transmitted waveform was 1.0 hertz.

The results of the present survey are presented in the form of pseudo-sections at the scale 1:5,000 which can be found appended to this report.

A map of the overall resistivity and an I.P. anomaly compilation is presented in a pocket at the end of this report. The contours of the apparent resistivity and the outline of the I.P. units are plotted on this map, at a scale 1:5,000.

Results and interpretation

The I.P. technique is probably the best method for gold prospecting in structural environments. It can map all types of sulphides, even when they do not conduct (i.e. sphalerite mineralization or pyrite/pyrrhotite mineralization, in disseminated or stringer form). It is however hampered occasionally by limited depth penetration due to highly conductive overburden cover and is vulnerable, as all geophysical techniques, to cultural (power lines and the like), geological (outcrops, overburden) as well as electrode-related noise.

On this survey, the interpretation of the pseudo-sections and the compilation of the anomalies on the plan map has clearly revealed the presence of a corridor of increased polarization in the southern portion of the property. The legend which accompanies the pseudo-sections and the compilation map explains the symbols used to classify the I.P. signatures.

The I.P. anomaly trend strikes along a NE-SW axis and the mineralization which causes the anomaly occurs at less than 25 meters depth, and most probably outcrops or subcrops.

The resistivity relief, as illustrated on the contour plan, also shows very well the areas of bedrock exposure or subcrop. These areas are characterized by high resistivities. Conversely, the areas of bedrock depressions, with overlying overburden, show up as zones of low resistivities. It is to be expected that some of the linear zones of low resistivity are due to faults or shear zones in the bedrock. One such shear zone may pass just to the south of the baseline following a NE-SW direction.

Conclusion and recommendations

The I.P./resistivity surveys which were recently performed on the GERLACH property have allowed the definition of a zone of increased bedrock polarization along a generally NE-SW trend.

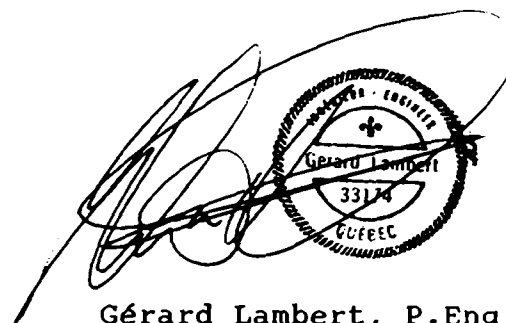
One structural lineament oriented NE-SW was also interpreted on the basis of a linear resistivity low.

Recommending further work, and considering the occurrence of gold mineralization within the survey area, the writer believes that the following are warranted:

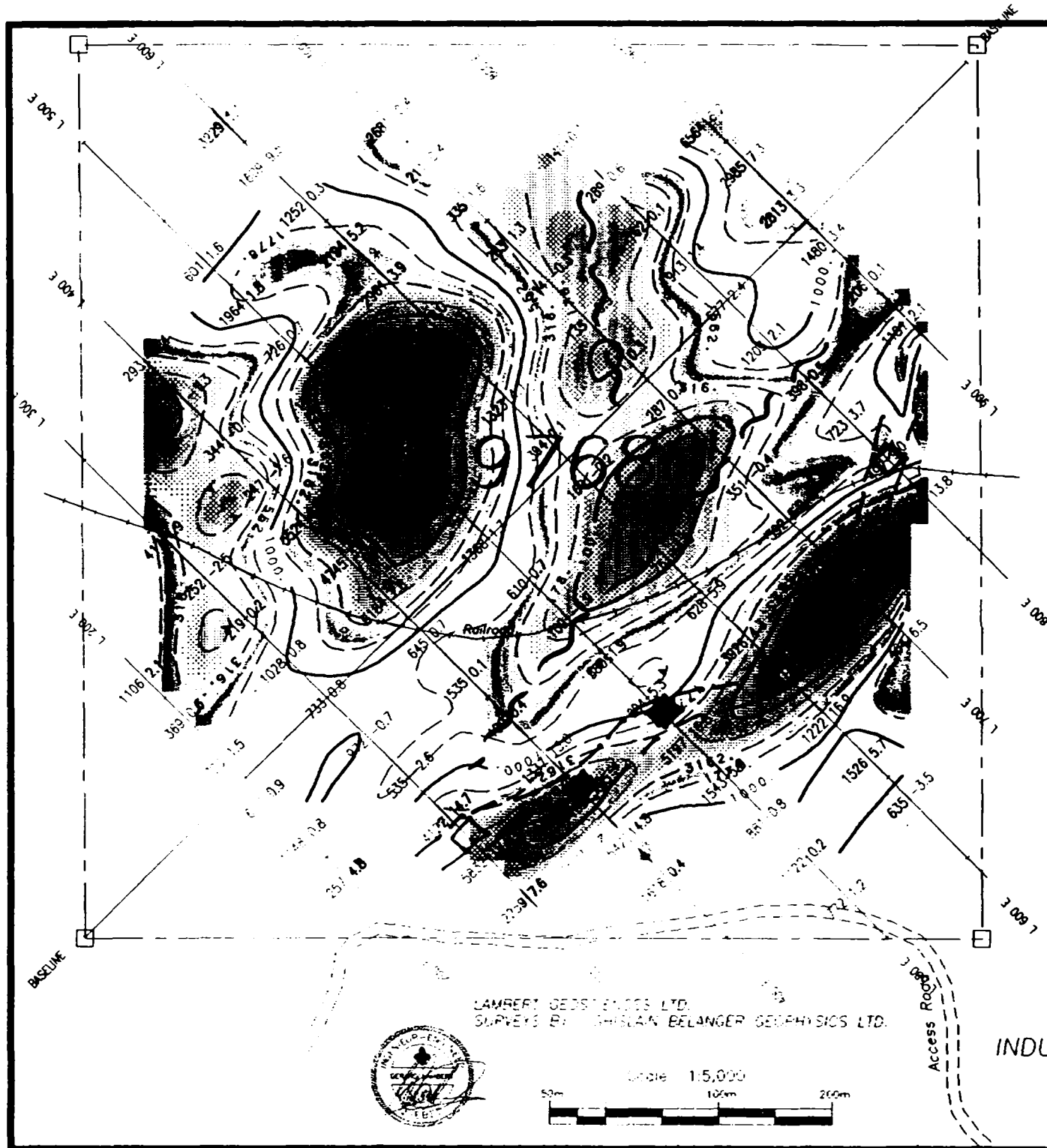
1*) Detail mapping/prospecting of the high-resistivity areas, where the chances of finding outcrops and subcrops is good to excellent.

2*) The I.P. anomaly should be tested systematically with diamond drilling, as well as the interpreted shear zone. The probability of intersecting metallic sulphides in the anomalous I.P. areas is excellent.

Rouyn-Noranda, Québec
January 24 1995

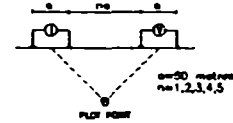


Gérard Lambert, P.Eng.
Consulting Geophysicist



LEGENDE

DIPOLE-DIPOLE ARRAY



EMPLACEMENTS DES PUIRS, PUIR
 PUIR POINT (PUIR)
 Operateur: Christian Belanger

INTERPRETATION

Aggravation de la polarisation accompagnée d'une baisse significative de la résistivité apparente.
 Surface semi-conductrice ou conductrice. Ce type d'anomalie est caractéristique d'un contact sur une zone électromagnétique tels que lesaillures, etc.



Aggravation de la polarisation sans baisse significative de la résistivité apparente.
 Surface conductrice ou résistive ('cathode').



Surface semi-conductrice, grésilles ou surfaces à grande conductivité, culture et structures, fossés, structures, etc.

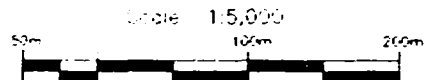


Anomalie sans gravité, brèches ou structures, souvent de faible amplitude.
 Surface en parties conductrices, valeurs réduites résistivité, ou les faibles anomalies causées par des réseaux conducteurs.

RAY LASHBROOK
 GERLACH PROPERTY

CHAMBERLAIN TWP. ONTARIO

LAMBERT GEOSYSTEMS LTD.
 SURVEYS BY CHRISTIAN BELANGER GEOPHYSICS LTD.

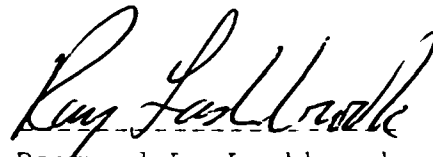


INDUCED POLARIZATION SURVEYS
 CONTOURS OF THE APPARENT RESISTIVITY
 AND I.P. ANOMALIES

CERTIFICATE

I, RAYMOND LASHBROOK do hereby declare that

- (a) I have 100% interest in this property.
- (b) I graduated from Haileybury School of Mines in 1969 and I have been practising my profession ever since.
- (c) I own a company called Lashex Ltd.
- (d) I reside at 973 Pinecreek Road, R.R.#1, Callander, Ontario, POH 1H0.



Raymond L. Lashbrook
April 29, 1996



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number W9680.00219

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 150 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.

2.16536

- Instructions: - Please type or print and submit in duplicate. - Refer to the Mining Act and Regulations. - A separate copy of this form must be submitted. - Technical reports and maps must be submitted. - A sketch, showing the claims to be recorded.



31M13SW0006 2 16536 CHAMBERLAIN

900

Recorded Holder(s): RAYMOND LASHBROOK; Address: 973 PINE CREEK ROAD, CALLANDER, ONT; Mining Division: KIRKLAND LAKE; Township/Area: CHAMBERLAIN TWP; Date Work Performed: From: DEC 15/94 To: JAN 24/96

Work Performed (Check One Work Group Only)

Table with columns Work Group and Type. Includes 'Geotechnical Survey' checked with 'LINE CUTTING, MAGNETOMETER, INDUCED POLARIZATION'. Includes 'Other Authorized Work' with 'SECTION 18 ONLY'. Includes a 'RECEIVED' stamp dated MAY 22 1996 from MINING LANDS BRANCH.

Total Assessment Work Claimed on the Attached Statement of Costs \$ 9873

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Table with columns Name and Address. Entry: RAY LASHBROOK, 973 PINE CREEK CALLANDER ONT. P0M1K0

attach a schedule if necessary)

Certification of Beneficial Interest - See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder. * See attached copy

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: RAYMOND LASHBROOK 973 PINE CREEK ROAD, CALLANDER, ONT. Date: April 29/96. Certified By (Signature): Ray Lashbrook

For Office Use Only

Table for office use with fields: Total Value Cr. Recorded (9873), Date Recorded (May 9/96), Mining Recorder, Received Stamp, Date Approved, Date Notice for Amendments Sent.



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9680.00219

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervisory/Supervision sur le terrain	250	250
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type LINECUTTING 7.35km x 260	1911	
	MAGNETOMETER 6.25km x 100/km	625	
	REPORT DISTANCE 4000 x 250	1000	
	IP SURVEY	4975	8511
Supplies Used Fournitures utilisées	Type Mylar & Blueprints	12	
			12
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs		8773	

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK 2100km x 3	630	
			630
Food and Lodging Nourriture et hébergement	6 days x 2 x 35	420	
	2 x 25	50	470
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			1100
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			1755
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			9873
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Recorded Holder I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Raymond Galbraith Date April 22/86

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

August 01, 1996

Our File: 2.16536
Transaction #: W9680.00219

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

Dear Mr. Spooner:

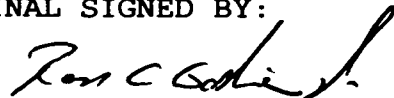
**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S)
1197680 IN CHAMBERLAIN TOWNSHIP (AREA)**

Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission. The credit has been approved under Section 14, Geophysical (MAG, IP) of the Assessment Work Regulation.

The approval date is August 01, 1996. Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5855.

Yours sincerely,
ORIGINAL SIGNED BY:



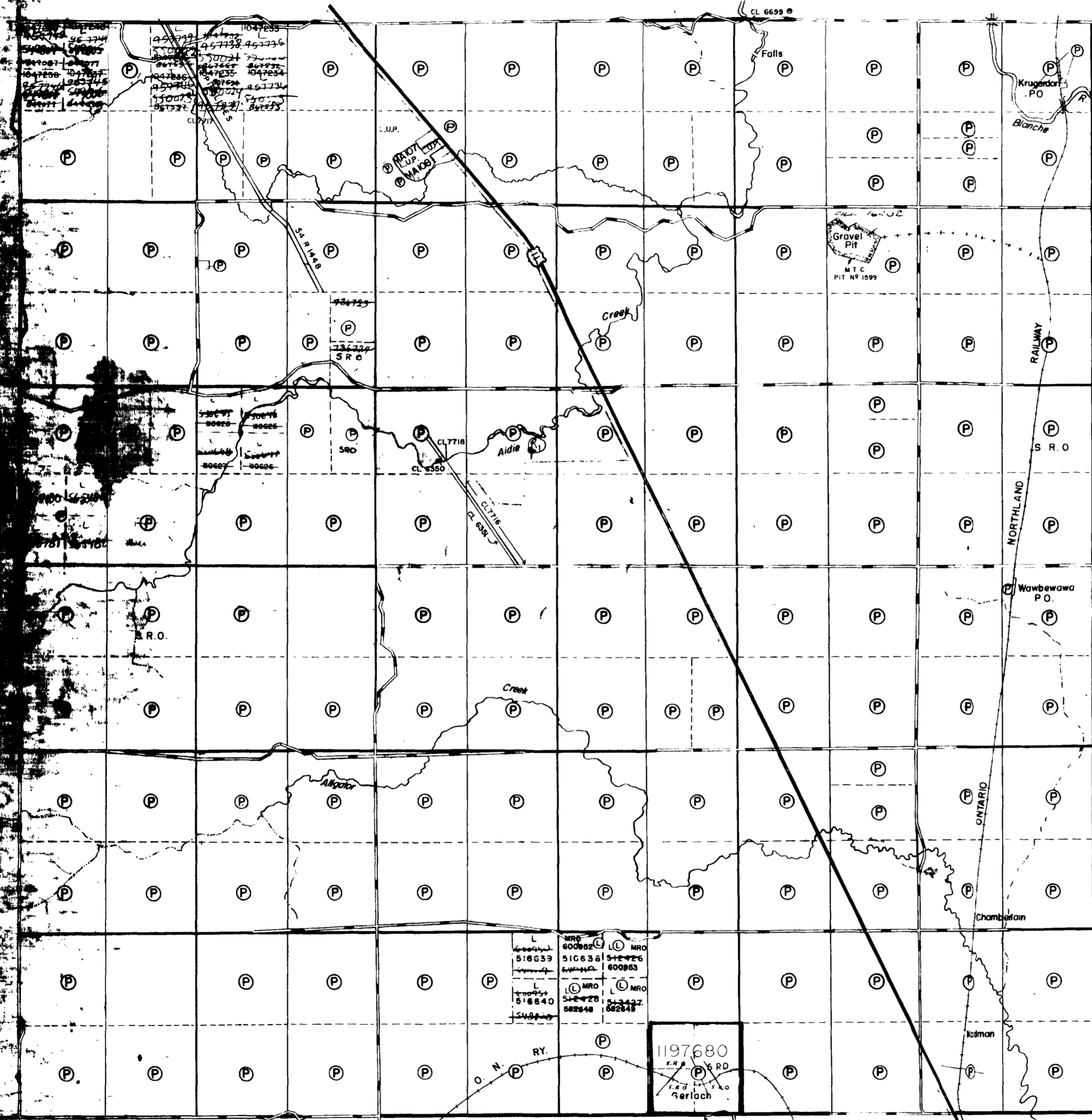
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

SBB SBB/jf

cc: Resident Geologist
Kirkland Lake, Ontario

✓ Assessment Files Library
Sudbury, Ontario

Pacaud Twp.



Dack Twp.

2.16536
(MAG, I.P.)

VI
V
IV
III
II
I

Marter Twp.

THE TOWNSHIP OF
CHAMBERLAIN

DISTRICT OF
TIMISKAMING
LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

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

NOTES

400' Surface rights reservation around all lakes & rivers.

(R) N.F.D.G. Seed Orchard & Tree Improvement Side Surface and Mining Rights Withdrawn

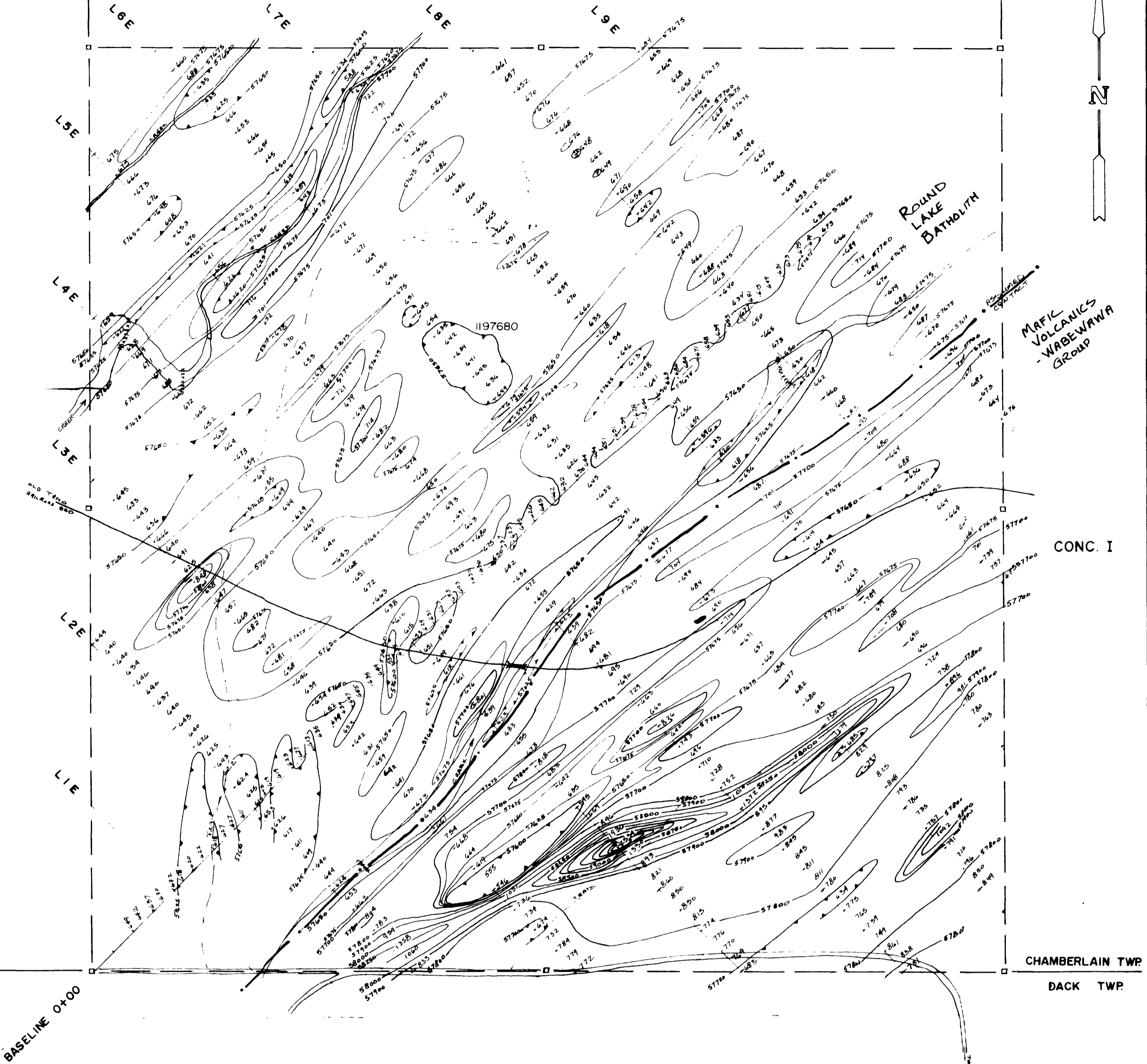
Surface Rights Withdrawn under Sec. 36, The Mining Act R.S.O. 1980, ORDER NO. W-01/51/01/01 (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.23 meters or 132 ft. on either side of centre line of right of way)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLAN NO. - **M.446**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



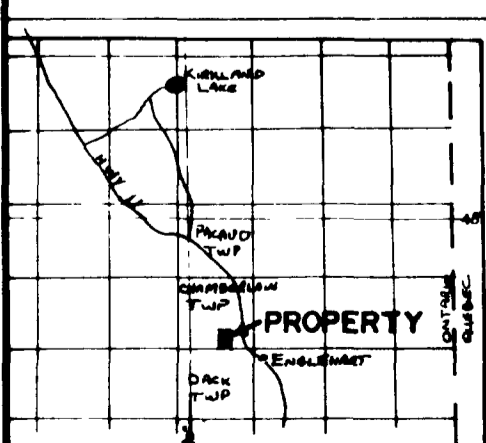


BASELINE 0+00

CHAMBERLAIN TWP
DACK TWP

2.16536

*Ray Lashbrook
April 30/96*



LOCATION MAP
1" = 16 mi.

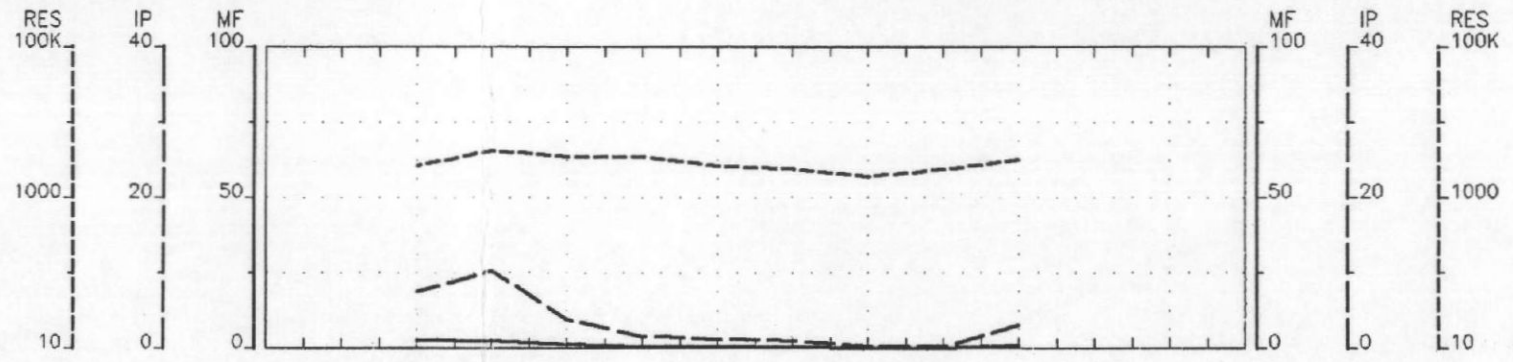
CONTOUR VALUE	MAGNETIC VALUE
57700	655
57800	820
57900	820
58000	820
58100	820
58200	820
58300	820
58400	820
58500	820
58600	820
58700	820
58800	820
58900	820
59000	820
59100	820
59200	820
59300	820
59400	820
59500	820
59600	820
59700	820
59800	820
59900	820
60000	820
60100	820
60200	820
60300	820
60400	820
60500	820
60600	820
60700	820
60800	820
60900	820
61000	820
61100	820
61200	820
61300	820
61400	820
61500	820
61600	820
61700	820
61800	820
61900	820
62000	820
62100	820
62200	820
62300	820
62400	820
62500	820
62600	820
62700	820
62800	820
62900	820
63000	820
63100	820
63200	820
63300	820
63400	820
63500	820
63600	820
63700	820
63800	820
63900	820
64000	820
64100	820
64200	820
64300	820
64400	820
64500	820
64600	820
64700	820
64800	820
64900	820
65000	820
65100	820
65200	820
65300	820
65400	820
65500	820
65600	820
65700	820
65800	820
65900	820
66000	820
66100	820
66200	820
66300	820
66400	820
66500	820
66600	820
66700	820
66800	820
66900	820
67000	820
67100	820
67200	820
67300	820
67400	820
67500	820
67600	820
67700	820
67800	820
67900	820
68000	820
68100	820
68200	820
68300	820
68400	820
68500	820
68600	820
68700	820
68800	820
68900	820
69000	820
69100	820
69200	820
69300	820
69400	820
69500	820
69600	820
69700	820
69800	820
69900	820
70000	820
70100	820
70200	820
70300	820
70400	820
70500	820
70600	820
70700	820
70800	820
70900	820
71000	820
71100	820
71200	820
71300	820
71400	820
71500	820
71600	820
71700	820
71800	820
71900	820
72000	820
72100	820
72200	820
72300	820
72400	820
72500	820
72600	820
72700	820
72800	820
72900	820
73000	820
73100	820
73200	820
73300	820
73400	820
73500	820
73600	820
73700	820
73800	820
73900	820
74000	820
74100	820
74200	820
74300	820
74400	820
74500	820
74600	820
74700	820
74800	820
74900	820
75000	820
75100	820
75200	820
75300	820
75400	820
75500	820
75600	820
75700	820
75800	820
75900	820
76000	820
76100	820
76200	820
76300	820
76400	820
76500	820
76600	820
76700	820
76800	820
76900	820
77000	820
77100	820
77200	820
77300	820
77400	820
77500	820
77600	820
77700	820
77800	820
77900	820
78000	820
78100	820
78200	820
78300	820
78400	820
78500	820
78600	820
78700	820
78800	820
78900	820
79000	820
79100	820
79200	820
79300	820
79400	820
79500	820
79600	820
79700	820
79800	820
79900	820
80000	820

NOTE - FOR TOTAL FIELD VALUE ADD 57000nT TO MAGNETIC VALUE
 OPERATOR - RAY LASHBROOK
 INSTRUMENT - SCINTREX MP-4 PROTONS MAGNETOMETER
 SERIAL NO - 8707309
 DATE - JAN 16 1995 - FIELD
 JAN 18 1995 - OFFICE

GERLACH PROPERTY
TOTAL FIELD MAGNETOMETER
VALUES & CONTOURS
CHAMBERLAIN TOWNSHIP, ONT.

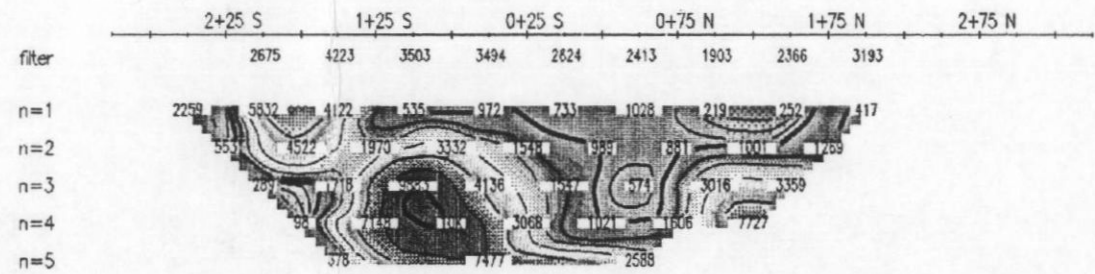
Date: Dec 1994 / JAN 1995
 Scale: 1:2400
 Drawn By: Ray Lashbrook
 N.T.S. 31-M/15



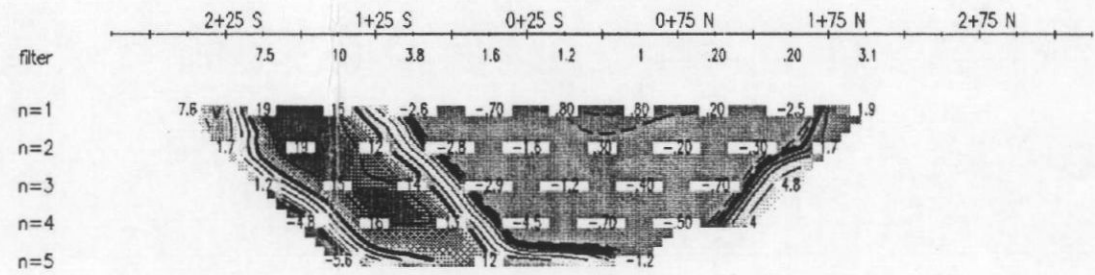


INTERPRETATION

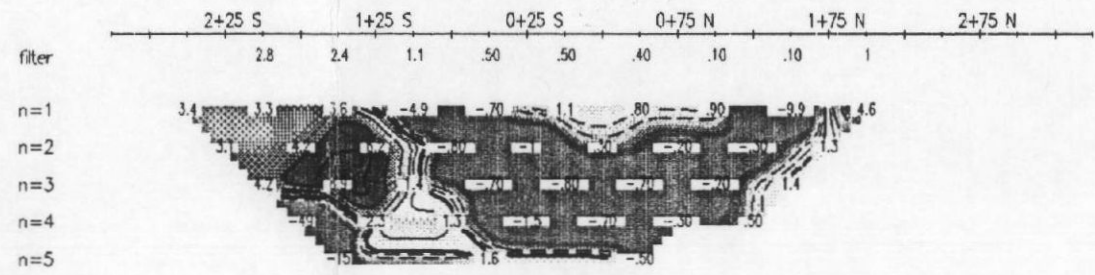
Resistivity
(Ohm-metres)



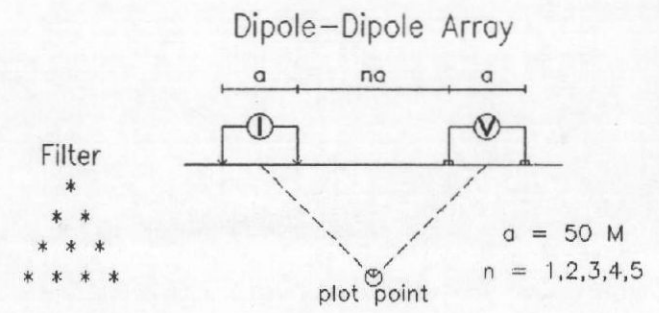
Phase
(mRad)



Metal Factor
(ip/res*100)

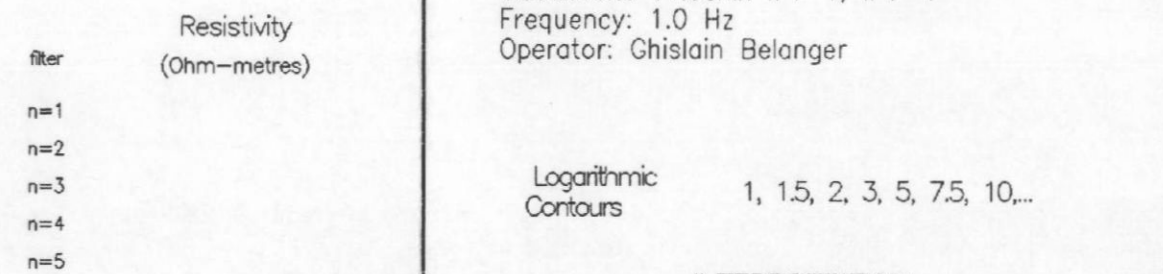


Line 300 E

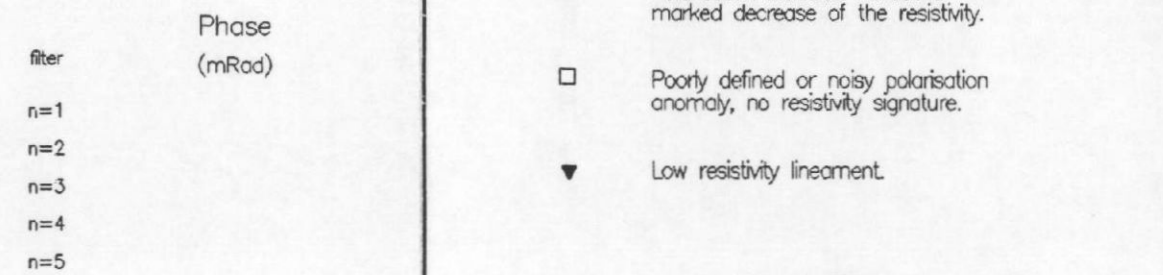


INTERPRETATION

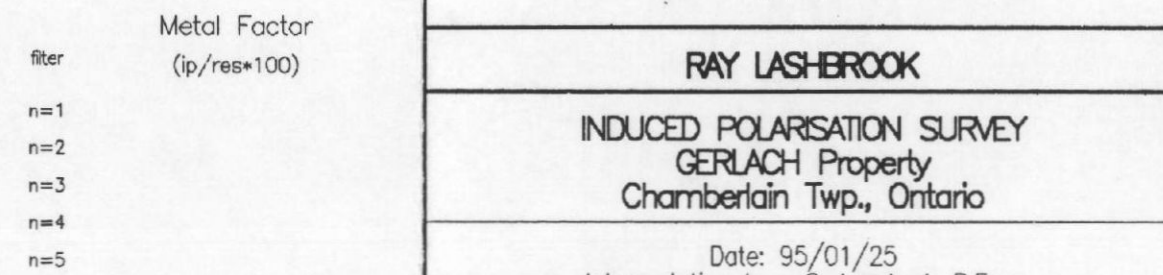
Resistivity
(Ohm-metres)



Phase
(mRad)



Metal Factor
(ip/res*100)

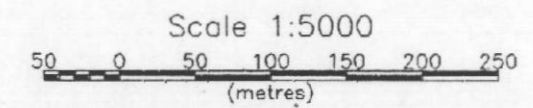


Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.



2.16536

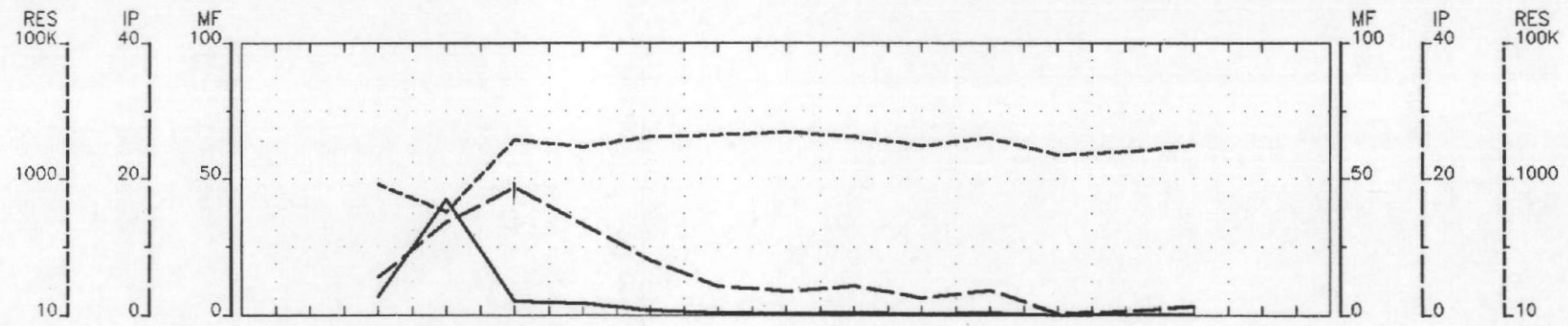
RAY LASHBROOK

INDUCED POLARISATION SURVEY
GERLACH Property
Chamberlain Twp., Ontario

Date: 95/01/25
Interpretation by: G. Lambert, P.Eng.

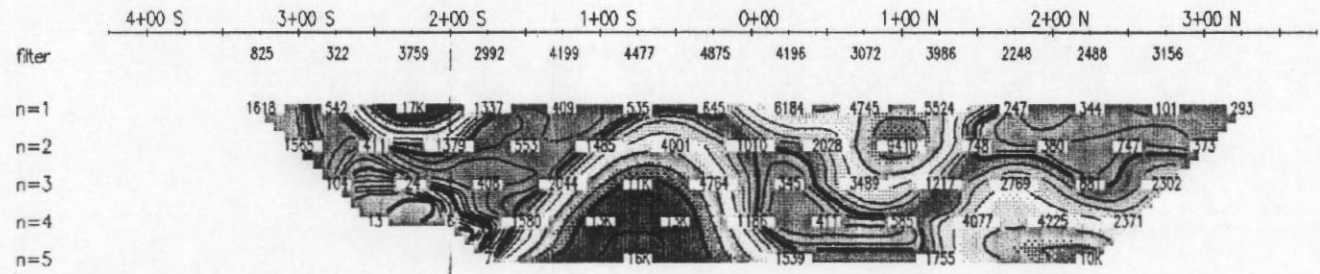
BELANGER GEOPHYSIQUE LTEE



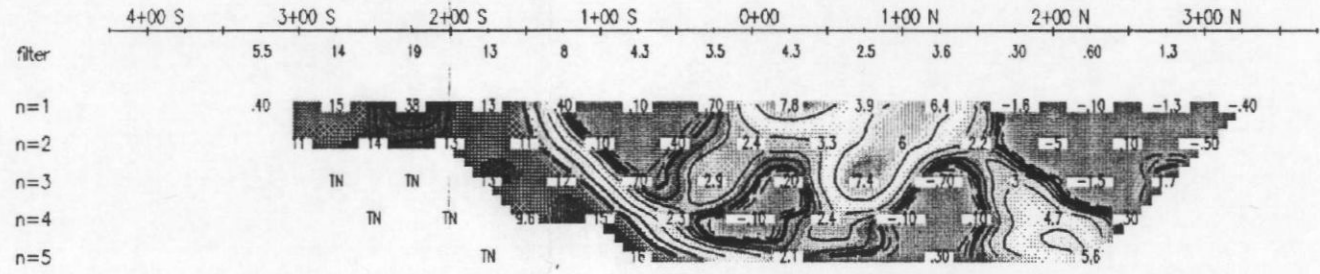


INTERPRETATION

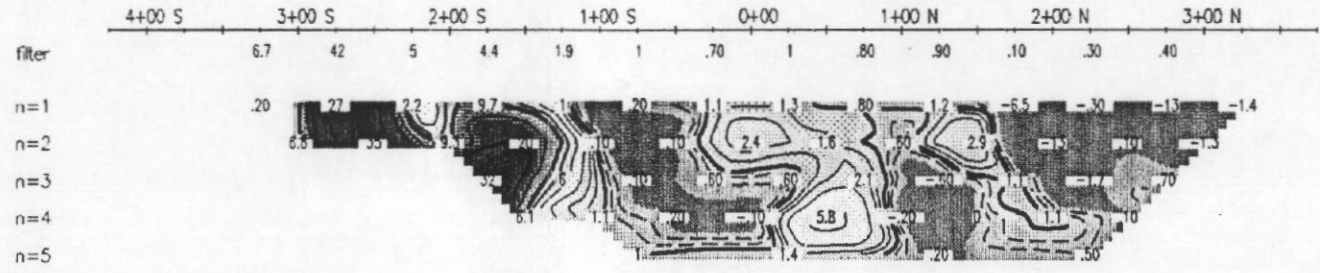
Resistivity
(Ohm-metres)



Phase
(mRad)

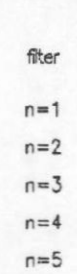


Metal Factor
(ip/res*100)

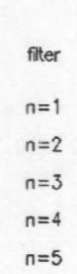


INTERPRETATION

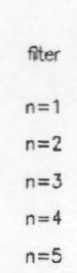
Resistivity
(Ohm-metres)



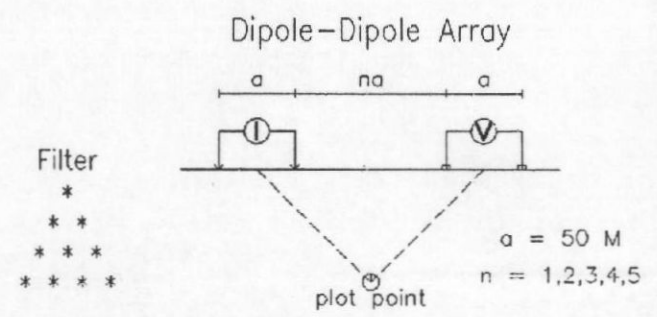
Phase
(mRad)



Metal Factor
(ip/res*100)



Line 400 E

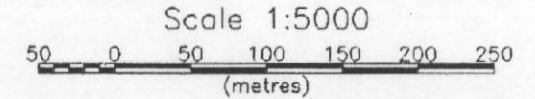


Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- ▣ Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.



2.16536

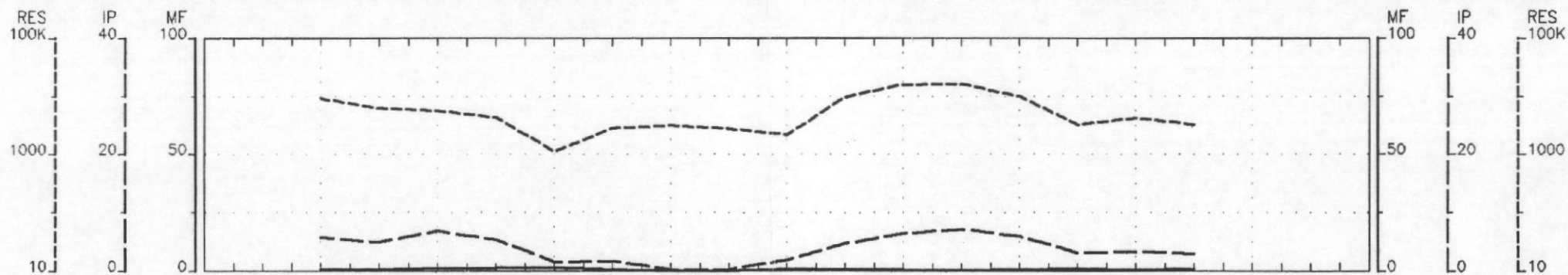
RAY LASHBROOK

INDUCED POLARISATION SURVEY
GERLACH Property
Chamberlain Twp., Ontario

Date: 95/01/25
Interpretation by: G. Lambert, P.Eng.

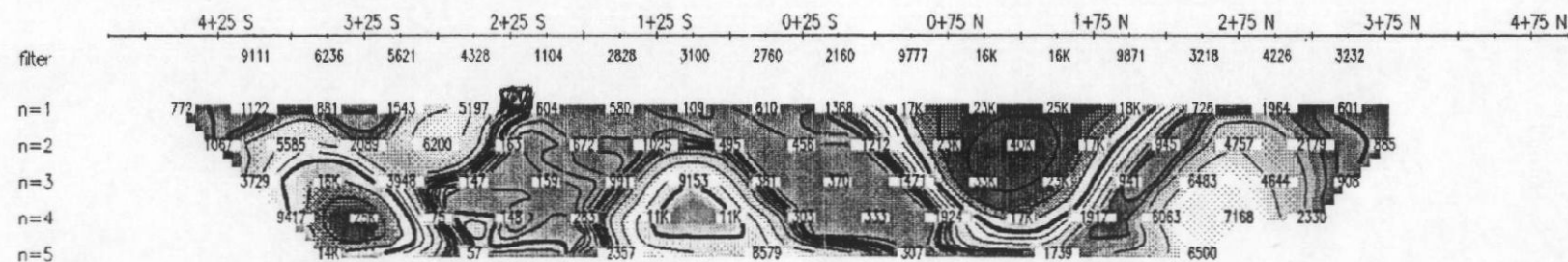
BELANGER GEOPHYSIQUE LTEE



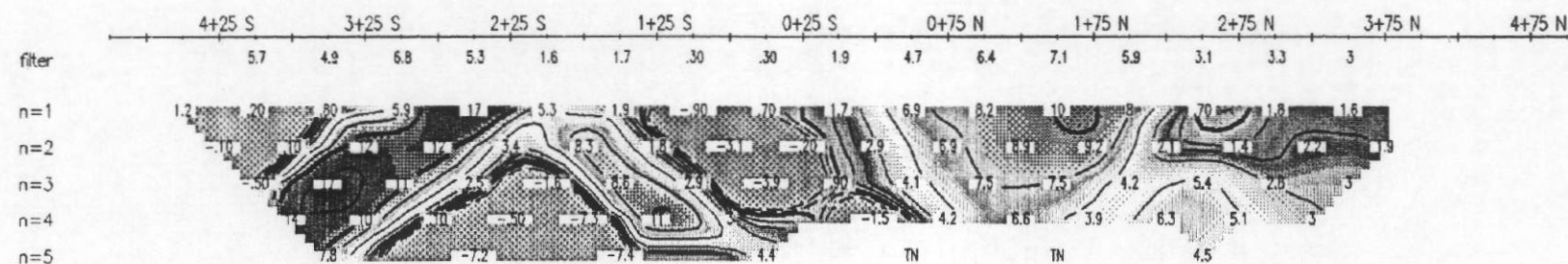


INTERPRETATION

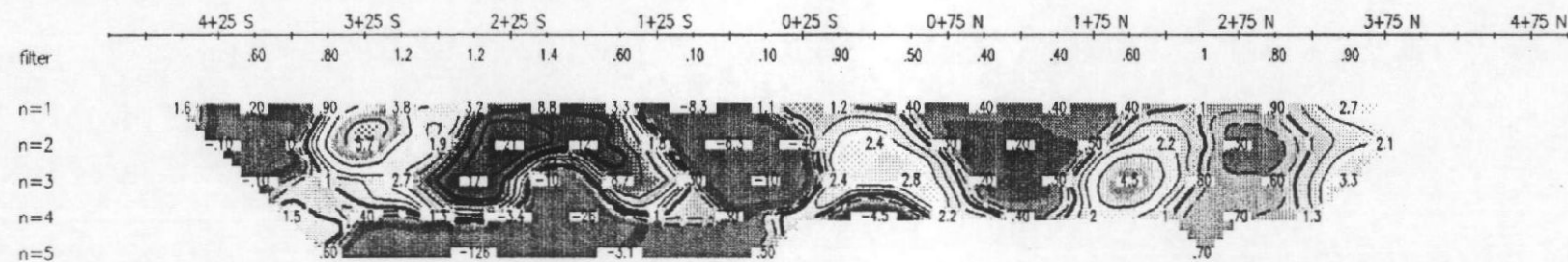
Resistivity
(Ohm-metres)



Phase
(mRad)



Metal Factor
(ip/res*100)



INTERPRETATION

Resistivity
(Ohm-metres)

filter
n=1
n=2
n=3
n=4
n=5

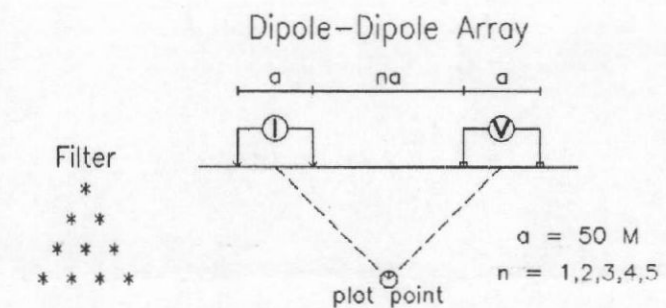
Phase
(mRad)

filter
n=1
n=2
n=3
n=4
n=5

Metal Factor
(ip/res*100)

filter
n=1
n=2
n=3
n=4
n=5

Line 500 E

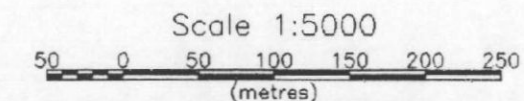


Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- ▣ Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.



2.16536

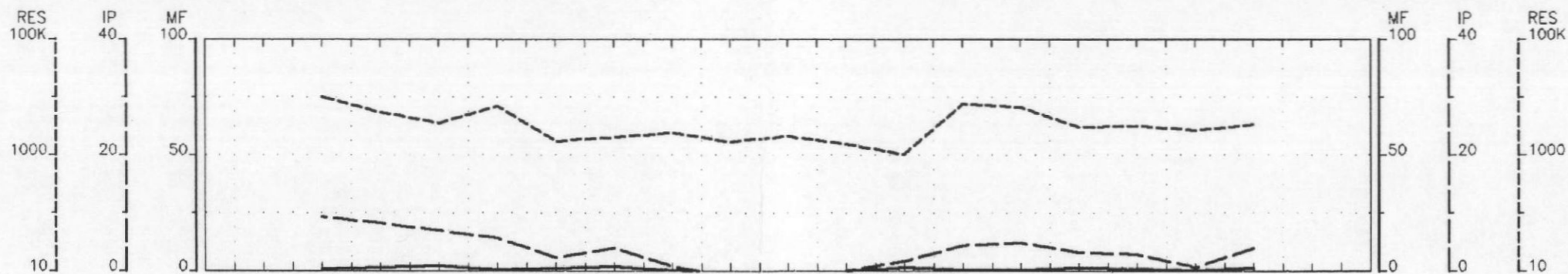
RAY LASHBROOK

INDUCED POLARISATION SURVEY
GERLACH Property
Chamberlain Twp., Ontario

Date: 95/01/25
Interpretation by: G. Lambert, P.Eng.

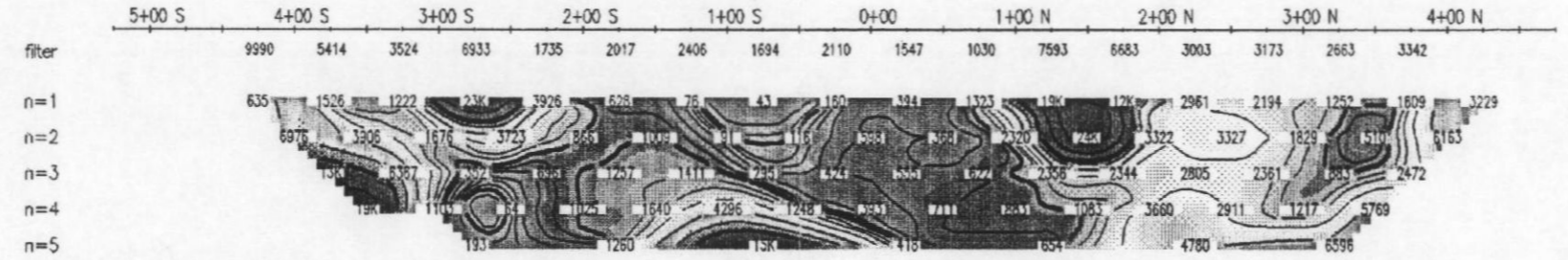
BELANGER GEOPHYSIQUE LTEE



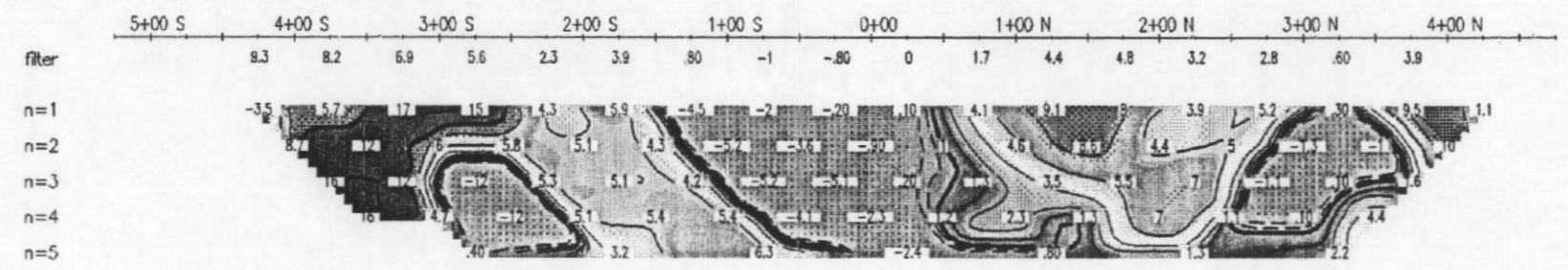


INTERPRETATION

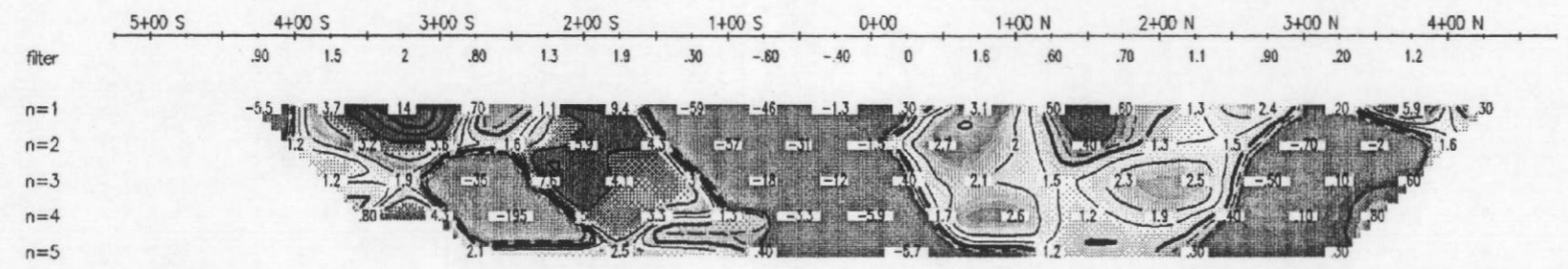
Resistivity
(Ohm-metres)



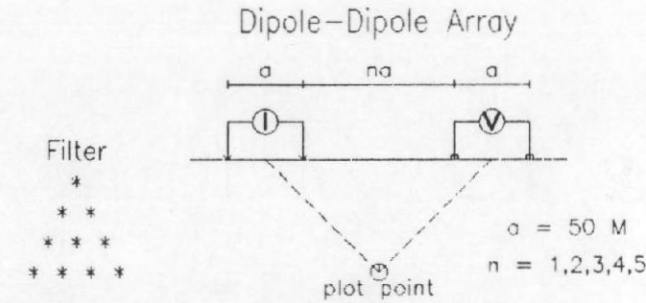
Phase
(mRad)



Metal Factor
(ip/res*100)

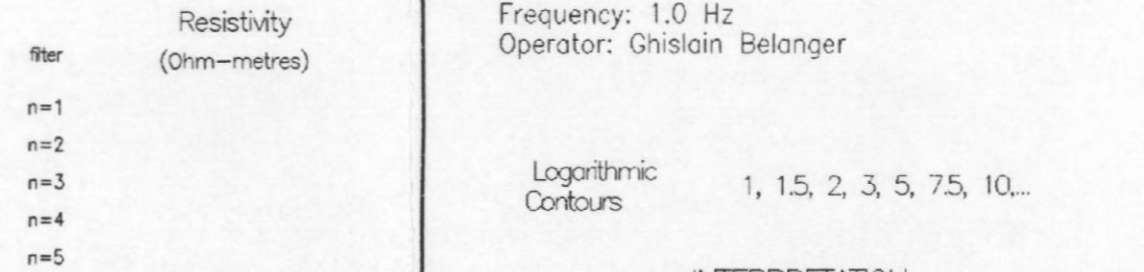


Line 600 E

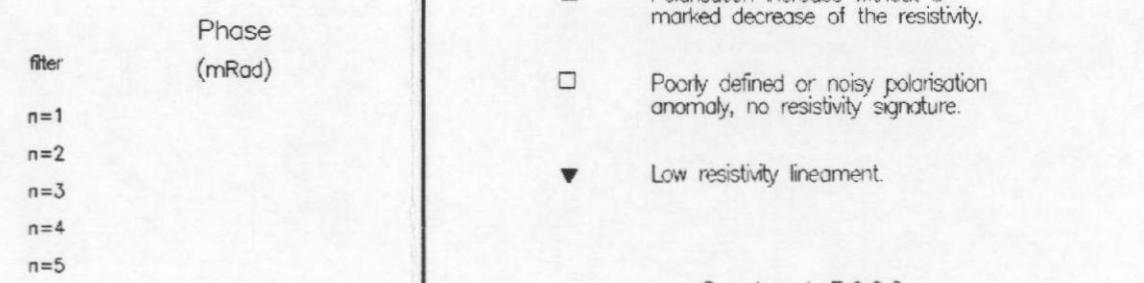


INTERPRETATION

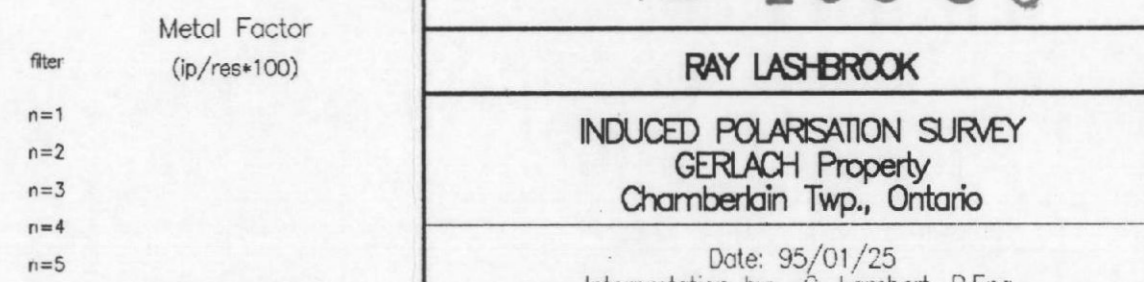
Resistivity
(Ohm-metres)



Phase
(mRad)



Metal Factor
(ip/res*100)

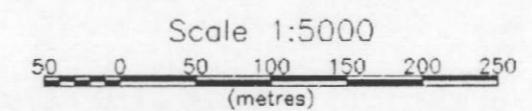


Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.



2.16536

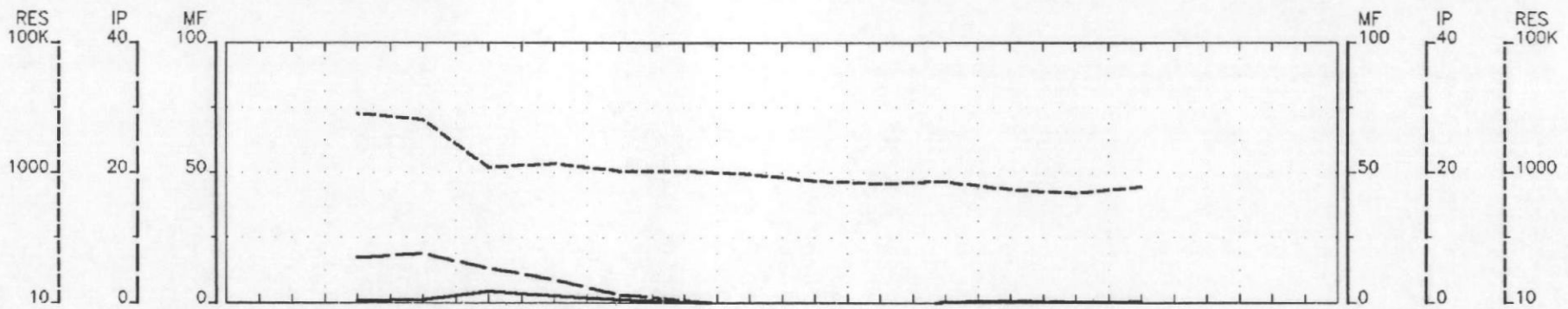
RAY LASHBROOK

INDUCED POLARISATION SURVEY
GERLACH Property
Chamberlain Twp., Ontario

Date: 95/01/25
Interpretation by: G. Lambert, P.Eng.

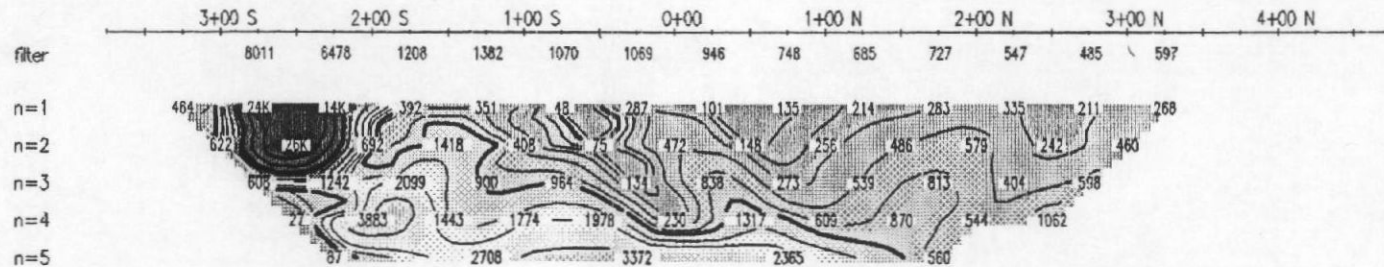
BELANGER GEOPHYSIQUE LTEE



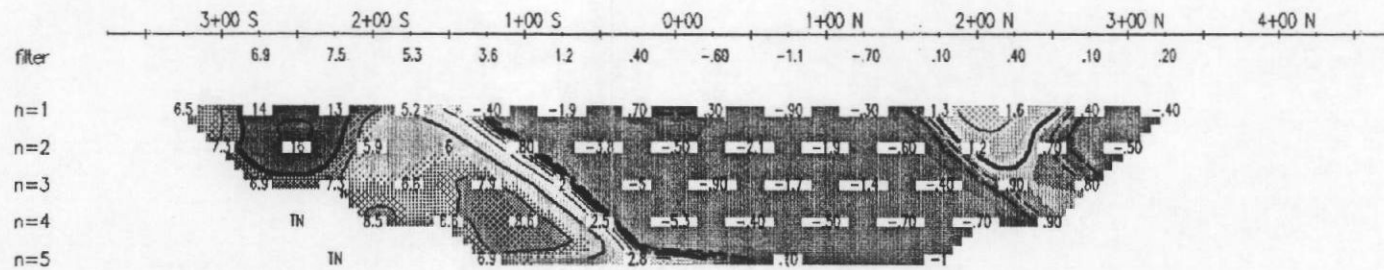


INTERPRETATION

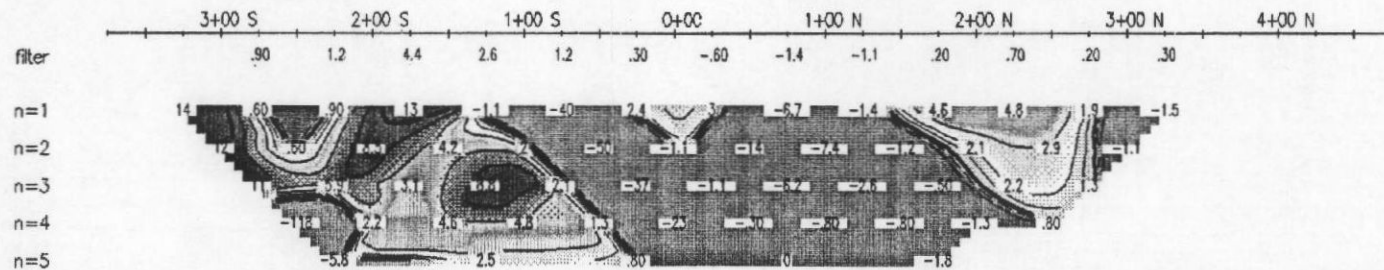
Resistivity
(Ohm-metres)



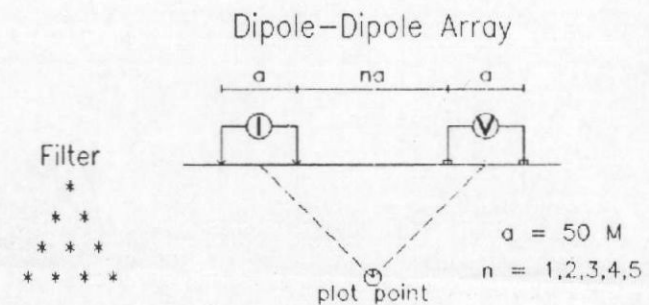
Phase
(mRad)



Metal Factor
(ip/res*100)



Line 700 E



INTERPRETATION

Resistivity
(Ohm-metres)

filter
n=1
n=2
n=3
n=4
n=5

Phase
(mRad)

filter
n=1
n=2
n=3
n=4
n=5

Metal Factor
(ip/res*100)

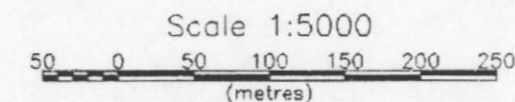
filter
n=1
n=2
n=3
n=4
n=5

Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- ▣ Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.



2.16536

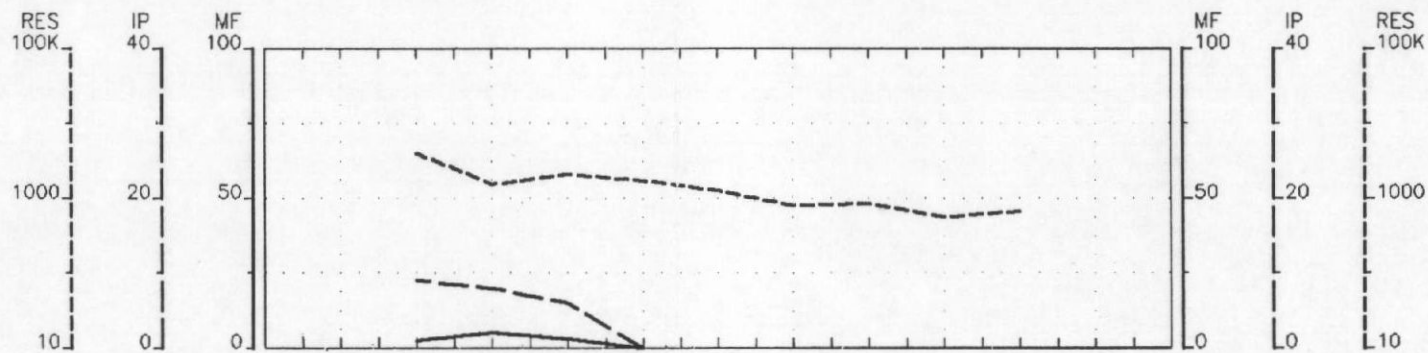
RAY LASHBROOK

INDUCED POLARISATION SURVEY
GERLACH Property
Chamberlain Twp., Ontario

Date: 95/01/25
Interpretation by: G. Lambert, P.Eng.

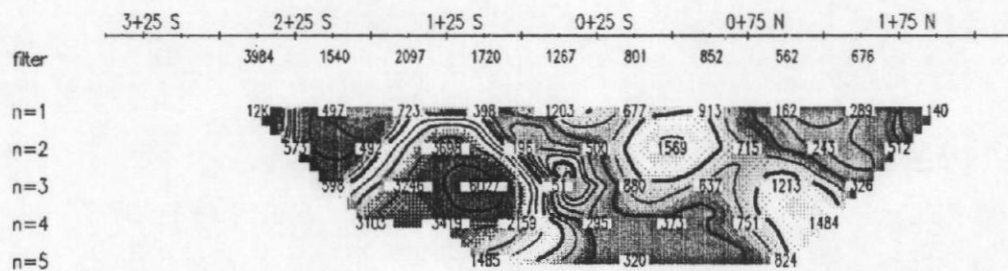
BELANGER GEOPHYSIQUE LTEE



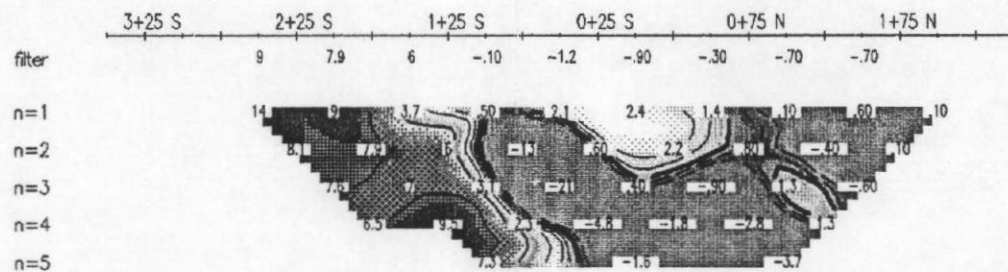


INTERPRETATION

Resistivity
(Ohm-metres)



Phase
(mRad)

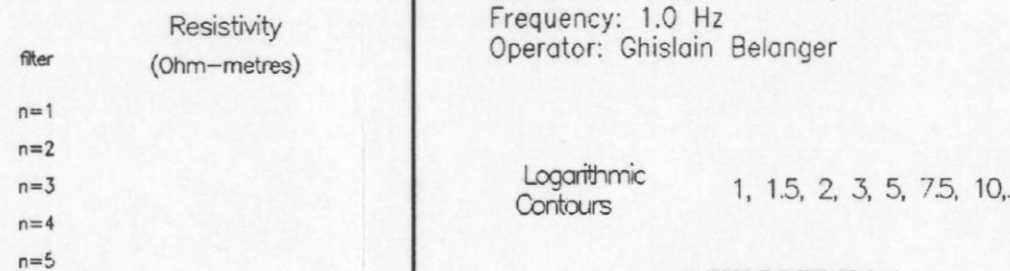


Metal Factor

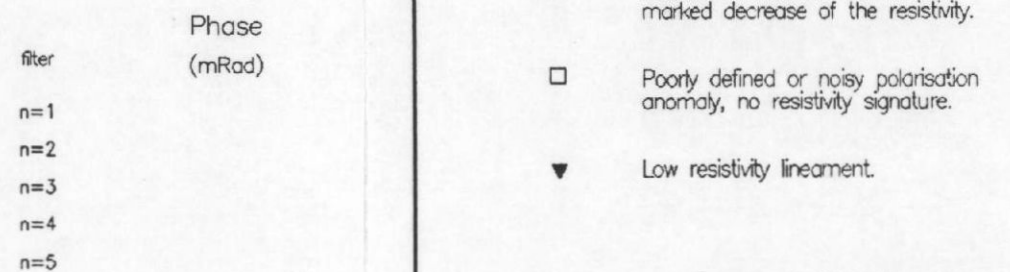


INTERPRETATION

Resistivity
(Ohm-metres)



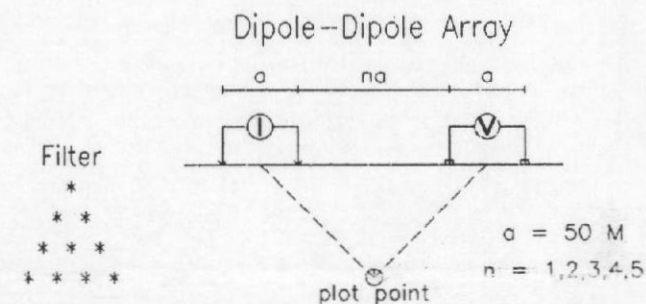
Phase
(mRad)



Metal Factor



Line 800 E

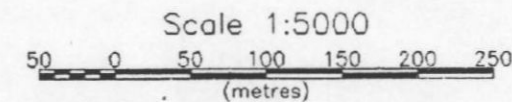


Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

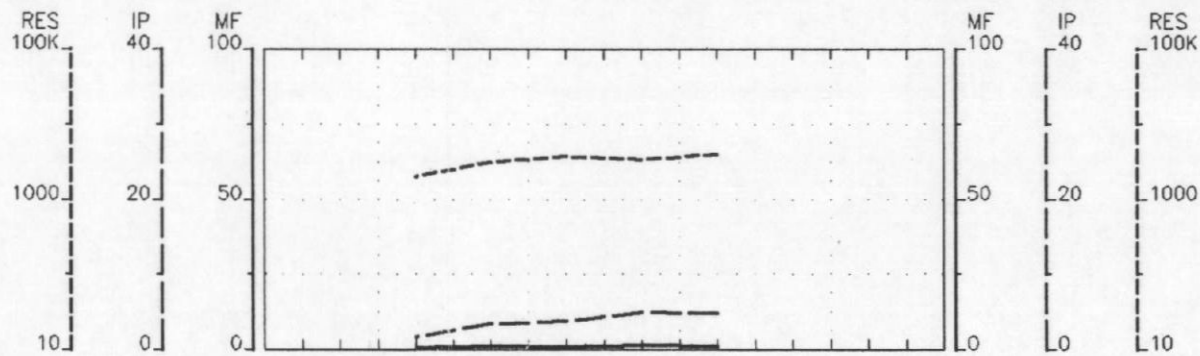
INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- ▣ Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.



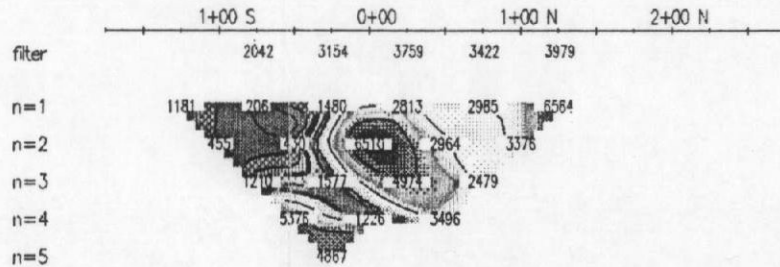
2.16536



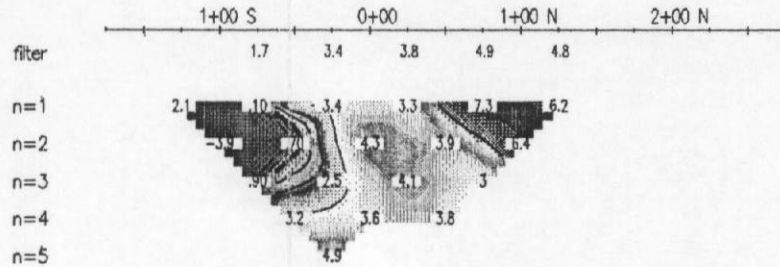


INTERPRETATION

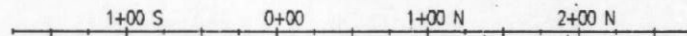
Resistivity
(Ohm-metres)



Phase
(mRad)

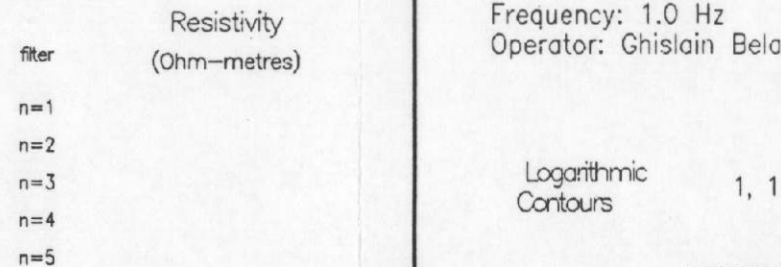


Metal Factor

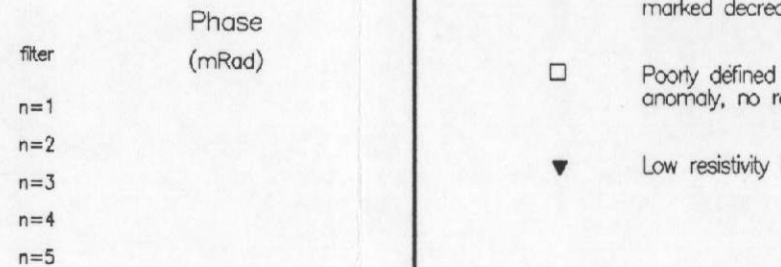


INTERPRETATION

Resistivity
(Ohm-metres)

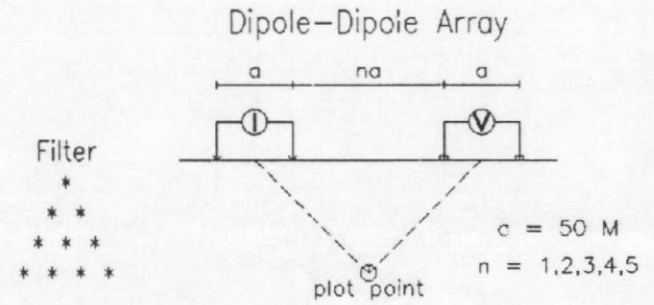


Phase
(mRad)



Metal Factor

Line 900 E



Instrument: Phoenix IPT-1, IPV-4
Frequency: 1.0 Hz
Operator: Ghislain Belanger

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Polarisation increase, accompanied by a significant decrease of the apparent resistivity.
- ▣ Polarisation increase without a marked decrease of the resistivity.
- Poorly defined or noisy polarisation anomaly, no resistivity signature.
- ▼ Low resistivity lineament.

Scale 1:5000
50 0 50 100 150 200 250
(metres)

2.16536

