



010

LES MINES INMET	CORPORATION MINIERE INMET EXPLORATION DIVISION ROUYN-NORANDA, QUEBEC
CROXALL-KANGAS PROJECT	

Price Township, Ontario

N.T.S. 42A/5, 42A/6

Report on Induced Polarization surveys

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MINING LANDS BRANCH

2.16987

Qual. #
2.11295

Rouyn-Noranda, Québec

July 31, 1996

Gérard Lambert, P.Eng.

Consulting Geophysicist



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Introduction

In June and July 1996, ground geophysical investigations, consisting namely in Induced Polarization (I.P.) surveys, were carried out on the CROXALL-KANGAS property, for INMET MINING Corporation Ltd.

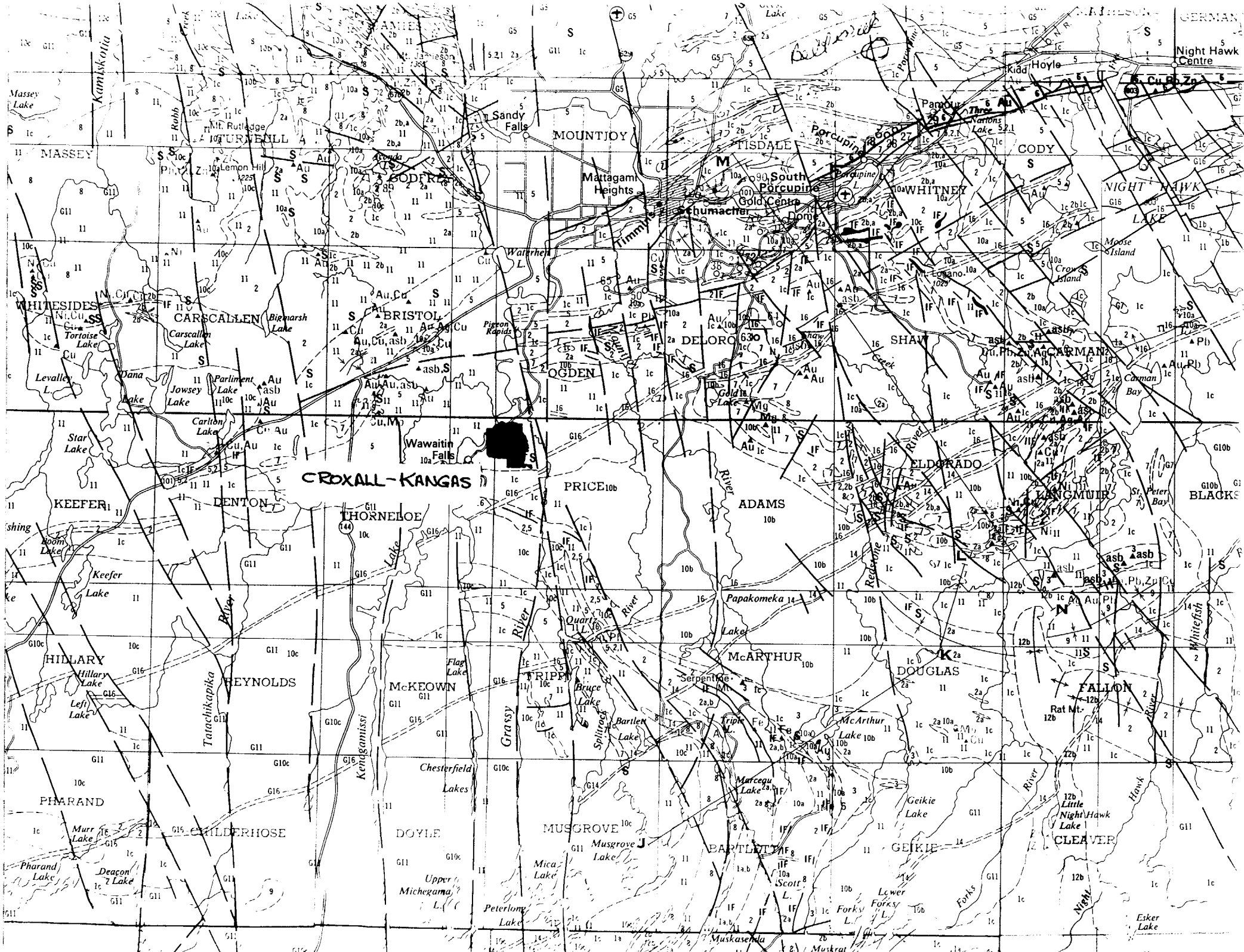
The purpose of these surveys was to map with a better accuracy the distribution of potentially gold-bearing disseminated and stringer sulphides in the bedrock. Considering the occurrence of significant gold mineralization in the area, the paucity of bedrock exposure and the insufficient coverage with adequate modern geophysical techniques from previous exploration work, the present I.P. surveys were deemed necessary in order to better evaluate the significance of the sulphide mineralization, in terms of width and concentration of metallic sulphides.

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

The I.P. survey was carried out by crews of Rémy Bélanger Geophysics, of Rouyn-Noranda, Québec.

Property description, location and access

The CROXALL-KANGAS property is located in the northwest quadrant of Price township, Cochrane district. It is situated at about 16 km to the southwest of the city of Timmins. The property is accessible by vehicle, using the road leading to Wawaitin Falls. Please refer to Figure 1. showing the location of the property, at the scale 1:250,000.



The CROXALL-KANGAS property consists of 93 unpatented claims totalling 100 units. A claim map, at the scale 1:10,000 is appended with this report. The present I.P. survey covered about two thirds of the property's surface.

Description of the I.P. surveys

The I.P. survey was carried out on a grid of previously cut lines oriented at 000°, spaced every 100 meters and chained every 25 meters. The grid is controlled by base line 0+00N and tie lines 15+50S, 8+00S, 8+00N and 13+00N.

The I.P. survey was conducted every second line (i.e. at 200m intervals) between lines 3+00mW and 25+00mE, from 15+50mS to 13+00mN, using a dipole-dipole electrode configuration. The dipole dimension was 50 meters and successive separations at multiples of $n=1$, $n=2$, $n=3$, $n=4$, $n=5$ and $n=6$ times the dipole dimensions were used, in order to investigate at depth. A total of approximately 23.4 line-km of I.P. data was thus gathered by Rémy Bélanger of Rémy Bélanger Geophysics Ltd.

The I.P. equipment used for the survey consisted of 1°) a Phoenix IPT-1 transmitter operating at 1.0 Hz, powered by a 2 kiloWatt, model MG-2 motor generator. The phase angle (in milliradians) between the transmitted current and the received voltage was measured by 2°) a Phoenix Turbo V-4 phase I.P. receiver, measuring the polarization effect (phase shift) and also the apparent resistivity of the earth at each "n". The phase angle is a direct measure of the polarization of the underlying earth.

The results of the I.P. surveys are presented in the appendix, namely in the form of pseudo-sections of the apparent resistivities and the measured phase angles, at the scale 1:5,000 and also on plan maps at 1:5,000, showing respectively the contours of the apparent resistivity at $n=1$, and the contours of the polarization at $n=1$, both with the interpretation of the I.P. anomalies superimposed, using symbols which are explained in the accompanying legend.

Results and interpretation

The Induced Polarization technique is probably the best method for gold prospecting in lithological and structural environments such as the Timmins mining camp. It can map most types of metallic sulphides, even when they do not conduct, which is often the case with structure-hosted gold mineralization associated with disseminated sulphides.

In this particular case a 50-meter dipole dimension was chosen because of its capability to penetrate conductive surficial material and to detect sulphide-mineralized zones at depth, and for outlining potentially wide sulphide-bearing mineralized zones. With the $n=6$ expanders, the 50m spreads should be able to successfully detect sulphide mineralization in the bedrock, to depths in excess of 90 meters. Contacts were generally very good, considering the abundant wet overburden cover within the survey area.

- RESISTIVITY

The resistivity pattern, as shown on the n=1 contour plans map, provides a very faithful image of the bedrock surface's relief. The high resistivity ($> 2,000$ ohm-meters) areas are very probably associated with bedrock ridges and subcrops (areas of thinner overburden), or to areas covered by (resistive) glacial sand and gravel. Quite often also, the high resistivity areas may outline harder, felsic rocks or altered (silica and/or carbonates) horizons.

These high resistivity zones, concentrated along the central E-W axis of the survey area and in the north part, should anyway be visited in the field, as there is a fair chance that more or new bedrock exposures might be found, hopefully helping in further understanding the geology and structure of the area.

The low-resistivity (< 200 ohm-meters) domains define areas where the overburden layer probably thickens significantly, possibly up to 75 meters in the lowest resistivity zones in the west and southeast parts of the grid. Very commonly the low-resistivity lineaments are associated with major bedrock structures such as shear zones.

Numerous linear low-resistivity trends coincide with strong to very strong I.P. anomalies (see below), indicating significant conductive bedrock metallic mineralization such as wide formational graphite and/or massive to semi-massive sulphides.

- POLARIZATION

The polarization (I.P.) measurements show the presence of numerous linear zones characterized by an increased I.P. effect. Most of the I.P. anomalies outlined appear to have a conformable strike direction. This strike direction varies between 075°/255° to east-west in the southern end of the grid. The anomaly strike lengths vary from 200m to almost 2 kilometers.

The majority of I.P. anomalies are well defined on the pseudo-sections. Indeed, they exhibit a symmetrical, classic triangular shape and commonly have an associated resistivity decrease in half of the cases. Most are evidently due to sub-vertical planar horizons or units containing fair amounts of metallic material such as graphite or metallic sulphides. One exception to this may be where highly magnetic units occur, in which case magnetite probably contributes to the measured I.P. effect.

We have traced at least 15 of these I.P. bands, which the Phase (I.P.) contour maps illustrates very well. This I.P. amplitude contour map also shows the distribution of the polarization patterns and the strength of the responses. The most significant I.P. anomalies have been labelled with letters (anomalies "A" to "H") on the maps.

Anomaly "A", whose depth to top is substantial (50 to 50 meters), appears to be the faulted left limb of anomaly "B". Originally one continuous units, it was cut and displaced by a dextral-movement fault having a NW-SE direction. The I.P. anomaly on line 3+00E at about 3+60N is probably due to remaining mineralization in the fault plane itself.

Anomaly "B" is much shallower and extends for about 1200 meters toward the northeast.

Anomalies "C" and "D" are contained within a 200 meter-wide by 1800 meter-long corridor in the center of the survey area. They consist of I.P. responses showing moderate strength and seldom having an associated resistivity decrease. Stringer sulphides or discontinuous graphite is the likely cause for these anomalies. Some visible disruptions in the west may be related with the interpreted fault which separate anomalies "A" and "B".

Anomaly "E" is a single, narrow and monotonous unit of strong polarization and sustained resistivity low most likely caused by a formational graphitic horizon. Some possible transposition is visible on line 9+00E near 5+50S, the likely result of faulting or folding.

Finally, anomalies "F", "G" and "H" in the south are very strong, show very large decreases in the apparent resistivity (particularly "F" and "G") and definitely indicate wide zones of massive metallic material, probably graphite, at shallow depths.

Conclusion and recommendations

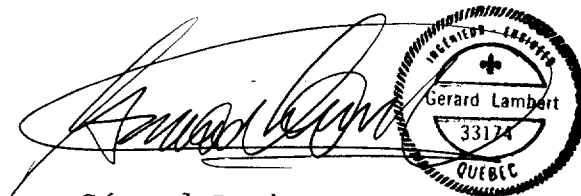
The Induced Polarization surveys which were recently completed on the CROXALL-KANGAS property for INMET MINING Corporation Ltd. have successfully defined several zones of increased I.P. effect presumably not known to date, a majority of which are strong and situated at relatively shallow depths but will probably require diamond drilling in order to investigate their causes.

It is difficult, from a geophysical point of view alone, to rate the I.P. anomalies in terms of their economic potential, especially when exploring for gold. But it is highly probable that the "strongest" I.P. anomalies (particularly those identified with black filled squares on the maps) are caused by massive to semi-massive metallic mineralization such as graphite, pyrite, with possibly accessory pyrrhotite or sphalerite, in the bedrock, at depths of no more than 80 meters. All these I.P. responses certainly deserve further investigation by means of diamond drilling. The choice of priorities will require input from other sources of information.

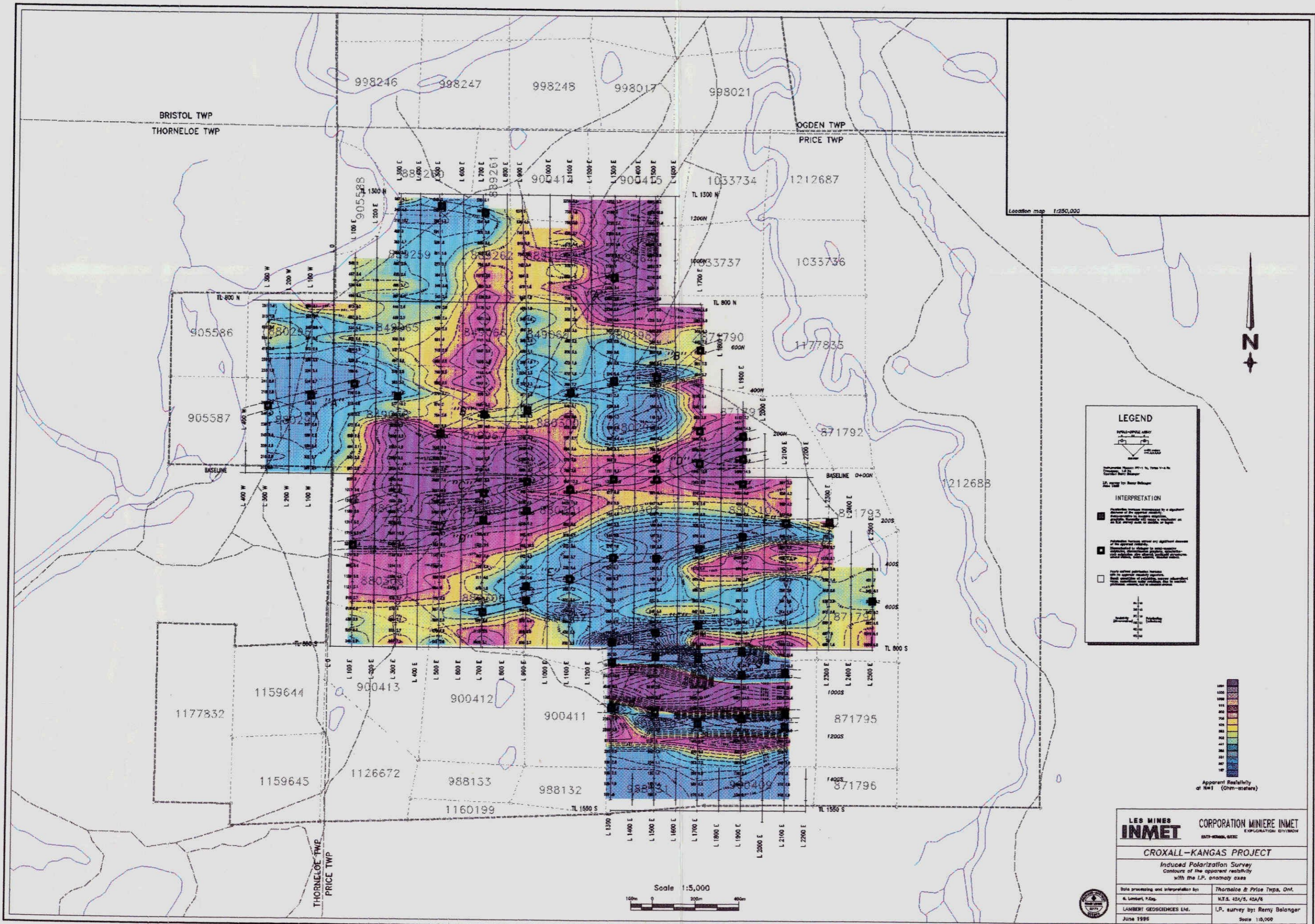
The results of this I.P. survey should of course be studied in the light of such geoscientific data as previous mapping, ground magnetics, geochemistry, structural studies and previous drill hole compilations in order to fully assess the significance of the responses obtained but also to allow rating the I.P. anomaly in terms of exploration priority in the search for gold-bearing formations and structures.

From a geophysical standpoint, it is recommended that all the I.P. anomalies on the property be investigated and explained, starting with the "strongest" ones and where disruptions in the resistivity and I.P. relief are observed.

Rouyn-Noranda, Québec
July 31, 1996



Gérard Lambert, P.Eng.
Consulting Geophysicist



Location map 1:250,000



LEGEND

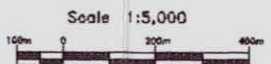
Induced Polarization Survey
 Data collected by Remy Belanger

INTERPRETATION

High resistivity area (apparent resistivity > 100 Ohm-meters)
 Interpretation: Possible presence of sulfide mineralization, massive sulfide, or other high resistivity structures.

Low resistivity area (apparent resistivity < 100 Ohm-meters)
 Interpretation: Possible presence of clay minerals, shales, or other low resistivity structures.

Baseline



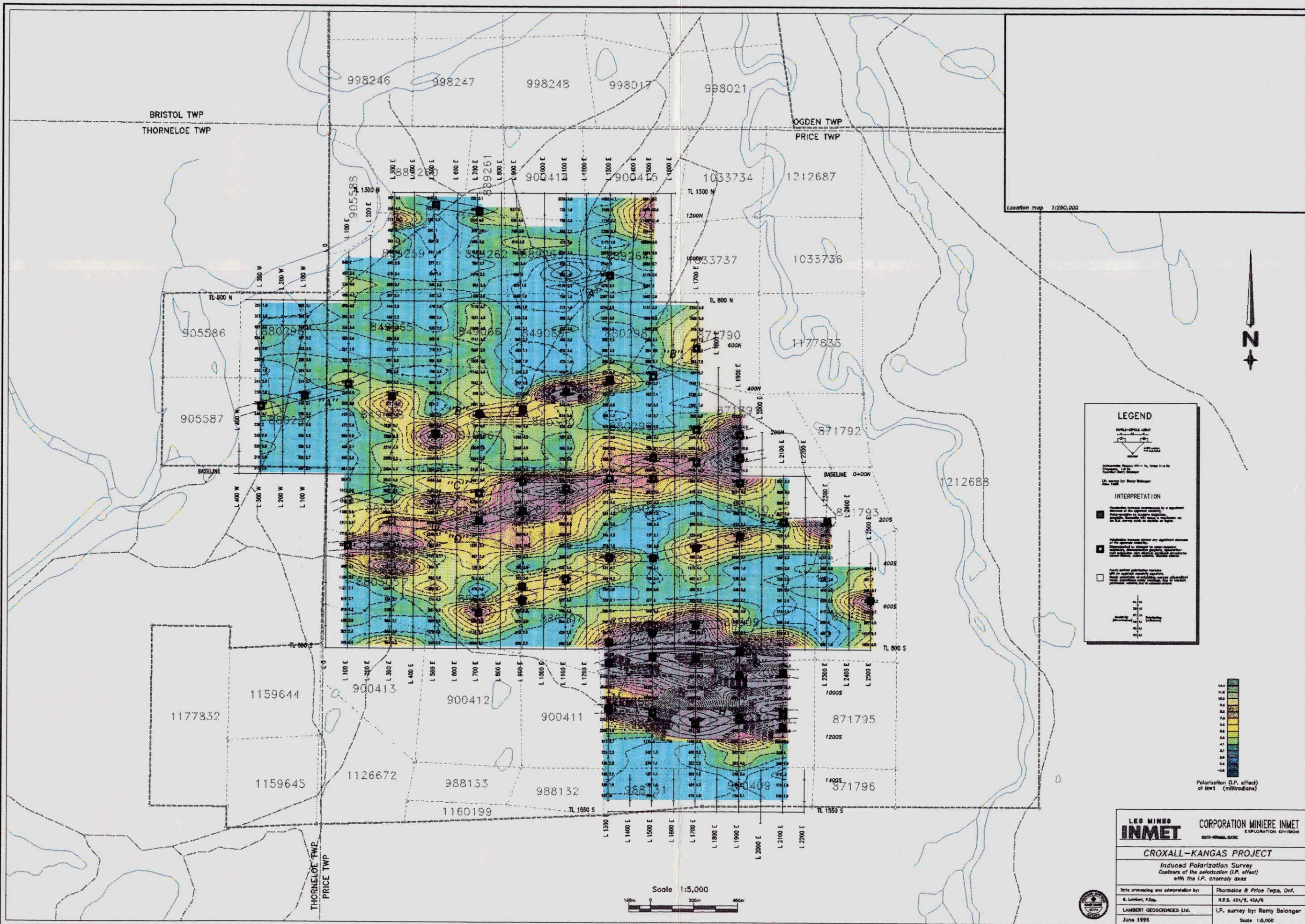
LES MINES INMET CORPORATION MINIERE INMET
 6871-8000A, Q21C

CROXALL-KANGAS PROJECT

Induced Polarization Survey
 Contours of the apparent resistivity
 with the I.P. anomaly axes

Data processing and interpretation by:	Thorneloe & Price Twp., Ont.
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LAMBERT GEOSCIENCES Ltd.	I.P. survey by: Remy Belanger
June 1995	Scale 1:5,000





LEGEND

SPH-SPH-ARMY
 Baseline
 Contour Interval
 Survey Line
 Station

INTERPRETATION

- High polarization (contours) is a significant indicator of the presence of sulfide mineralization.
- Low polarization (contours) is a significant indicator of the presence of non-sulfide mineralization.
- No polarization (contours) is a significant indicator of the presence of non-sulfide mineralization.

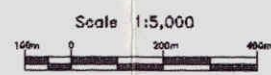


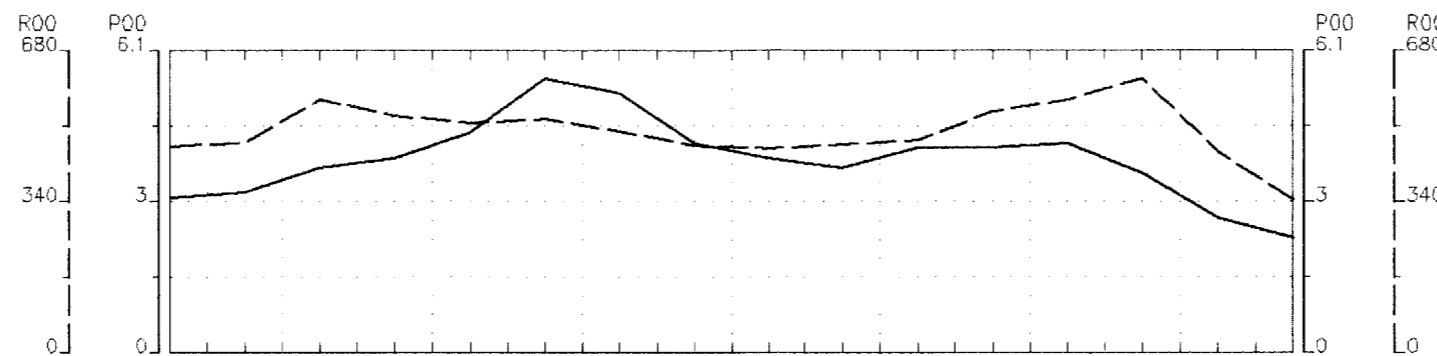
LES MINES INMET CORPORATION MINIERE INMET
 EXPLORATION DIVISION

CROXALL-KANGAS PROJECT

Induced Polarization Survey
 Contours of the polarization (I.P. effect)
 with the I.P. anomaly axis

Data processing and interpretation by:	Thorneloe & Price Twps, Ont.
4. Lambert, P.K.P.	N.T.S. 42A/5, 42A/6
LAMBERT GEOSCIENCES Ltd.	I.P. survey by: Remy Belonger
June 1996	Scale 1:5,000





RESISTIVITY
OHM-METERS

	1+00 N	2+00 N	3+00 N	4+00 N	5+00 N	6+00 N	7+00 N										
Filter	464	472	570	534	516	525	498	466	460	468	479	542	569	618	453	344	Filter
n=1	315	216	329	243	239	346	268	218	241	233	239	415	504	692	313	261	n=1
n=2		335	434	501	333	339	391	321	301	315	330	382	414	549	511	305	n=2
n=3			544	596	621	419	479	491	424	402	404	475	463	651	606	415	n=3
n=4				707	668	636	521	552	585	537	486	548	524	724	722	466	n=4
n=5					807	723	857	808	849	720	610	641	588	815	790	546	n=5
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RESISTIVITY
OHM-METERS

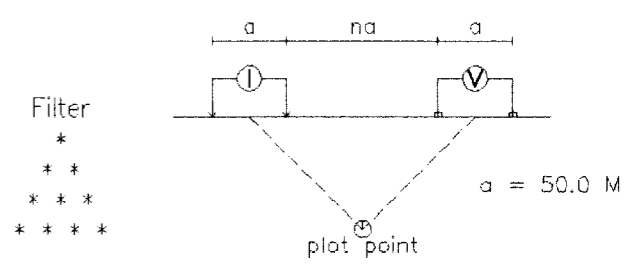
PHASE
MRAD

	1+00 N	2+00 N	3+00 N	4+00 N	5+00 N	6+00 N	7+00 N										
Filter	3.1	3.2	3.7	3.9	4.4	5.5	5.2	4.2	3.9	3.7	4.1	4.1	4.2	3.6	2.7	2.3	Filter
n=1	2.5	2.8	3.5	2.6	2	4.7	4.5	2.8	2.6	1.5	3	2.9	4	3.2	1.8	1.4	n=1
n=2		3.7	3.2	2.9	2.1	4.9	5.7	3.4	2.9	2.7	3.6	3.5	4	3.7	2.1	2	n=2
n=3			3.1	2.6	2.5	4.6	6	4.4	3.4	3.5	4.2	3.4	3.5	4.8	2.9	2.3	n=3
n=4				3.5	3	4.9	8.3	5	5.4	3.7	5.2	3.8	5.6	5	4.2	3.3	n=4
n=5					3.1	4.9	8.8	6.2	6.4	5.8	5	4	5.3	4.6	5.2	4.5	n=5
n=6						3.8	7.5		6.6		4.6		4.9		5.2		n=6

PHASE
MRAD

Line 0300 W

Dipole-Dipole Array



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

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

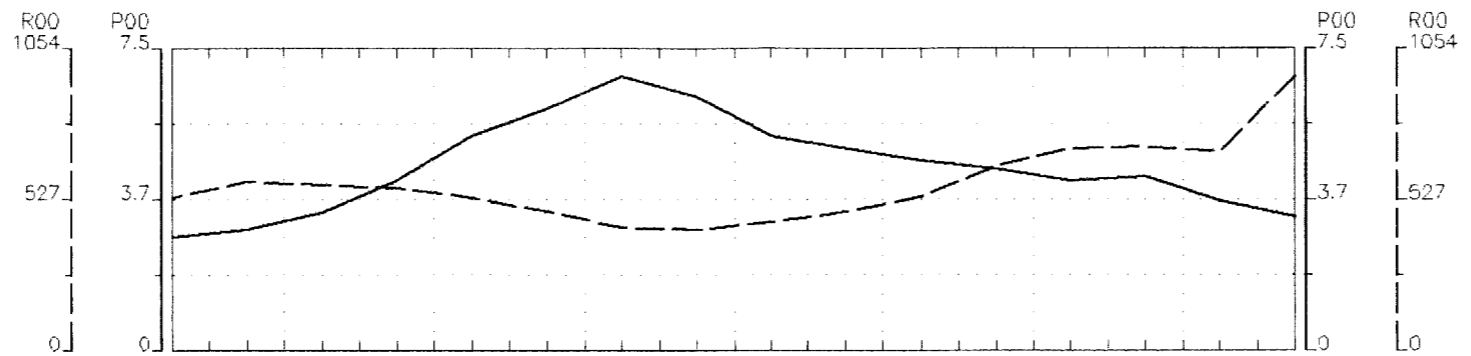
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JAN 21 1997
Scale 1:5000
MINING LANDS BRANCH

NMET MINING CORPORATION

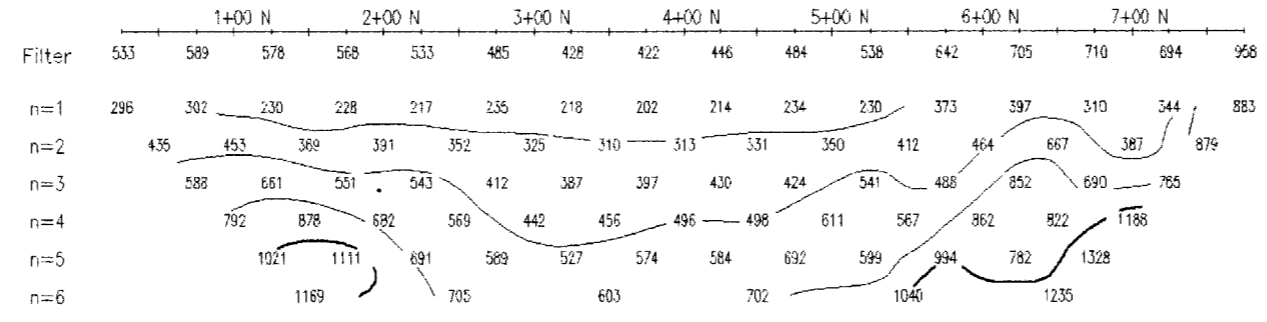
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/07/02
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

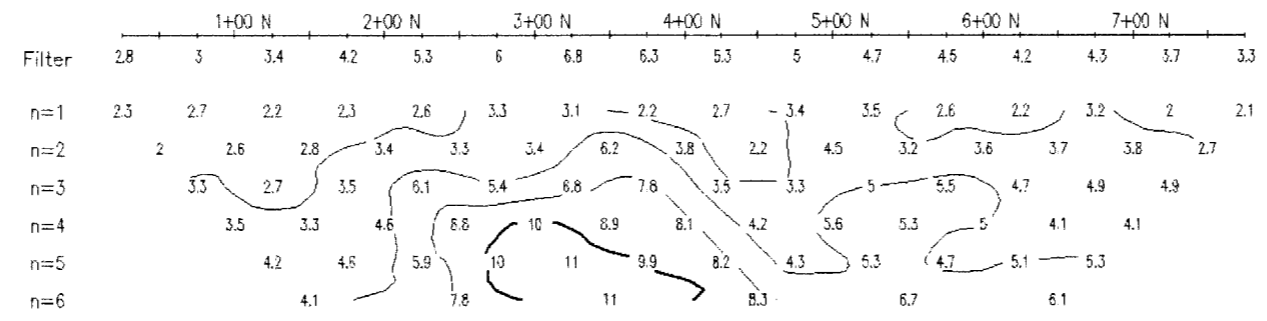


RESISTIVITY
OHM-METERS



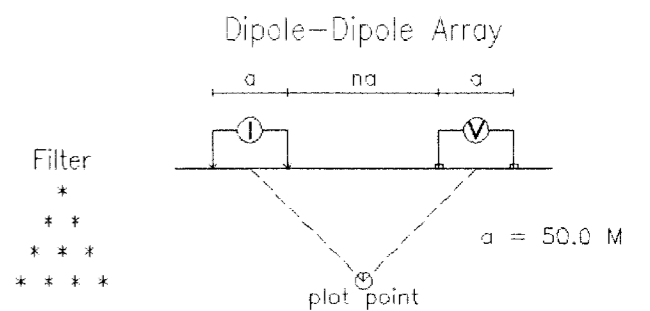
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

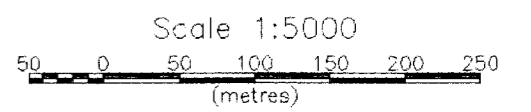
Line 0100 W



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

INTERPRETATION

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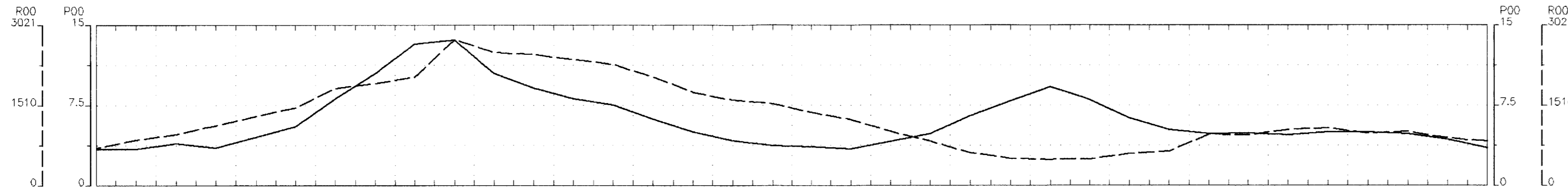


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INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

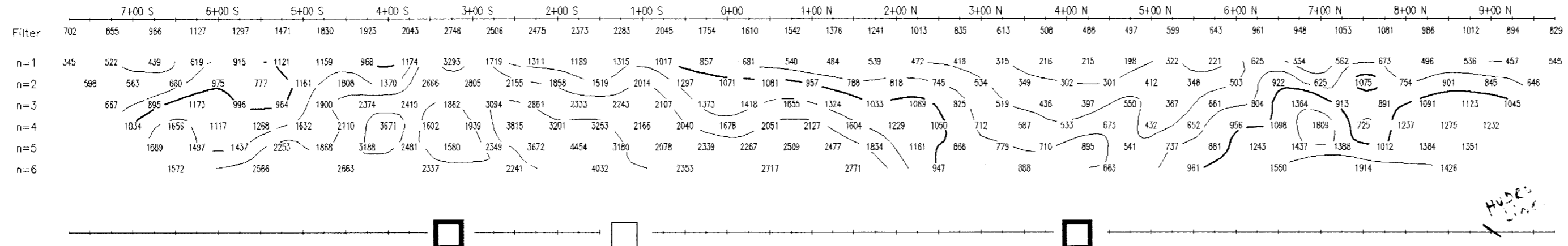
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REMY BELANGER (GEOPHYSICAL CONTRACTOR)



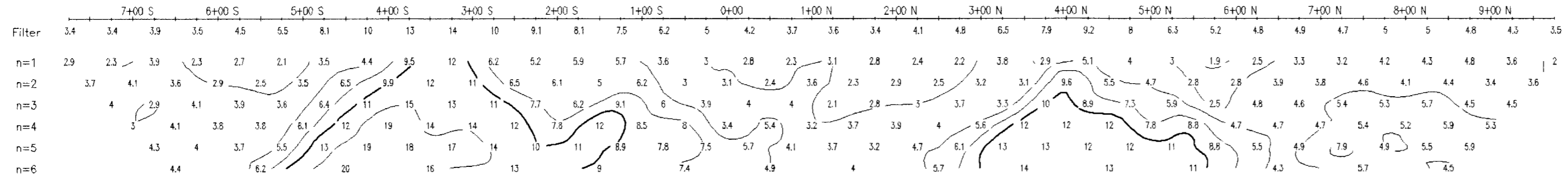
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

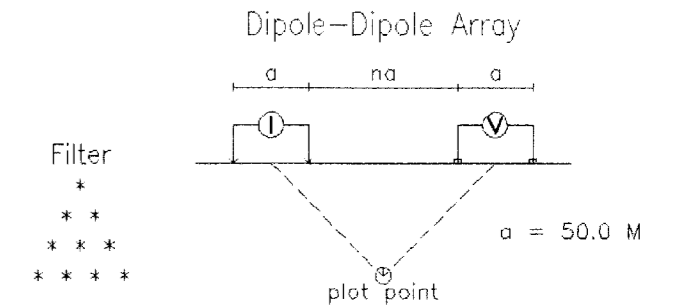


PHASE
MRAD

PHASE
MRAD



Line 0100 E

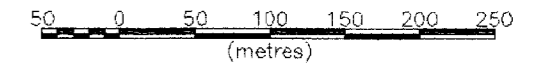


Filter *
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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

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Scale 1:5000

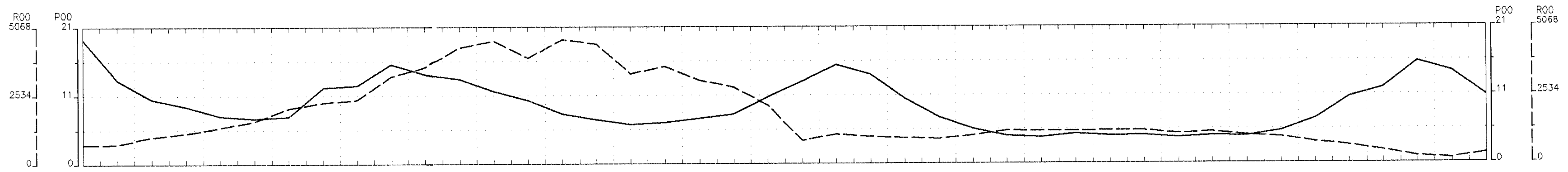


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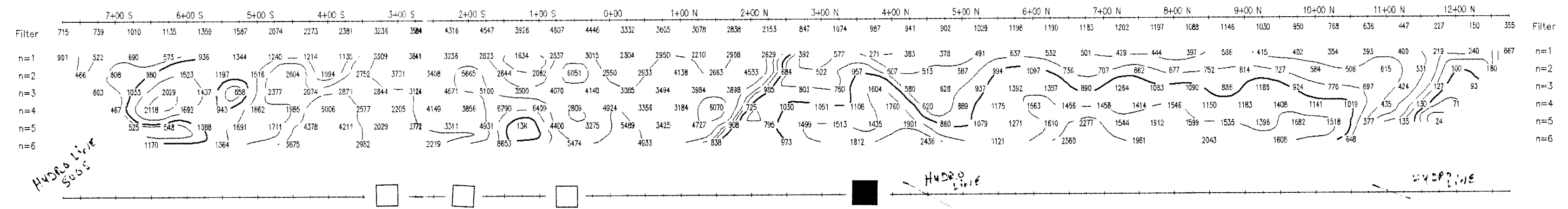
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/07/02
Interpretation: GERARD LAMBERT

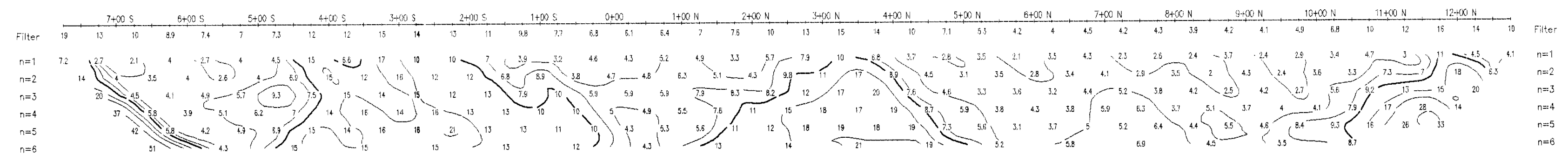
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RESISTIVITY
OHM-METERS



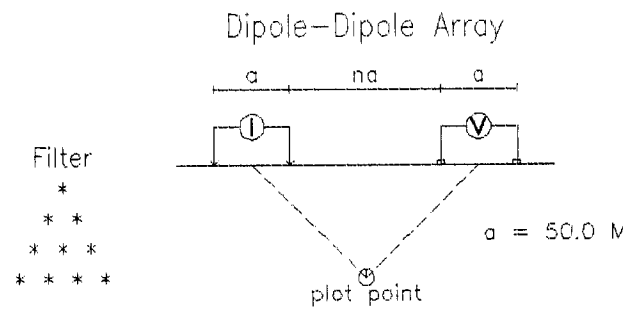
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RESISTIVITY
OHM-METERS

PHASE
MRA

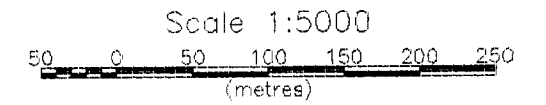
Line 0300 E



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

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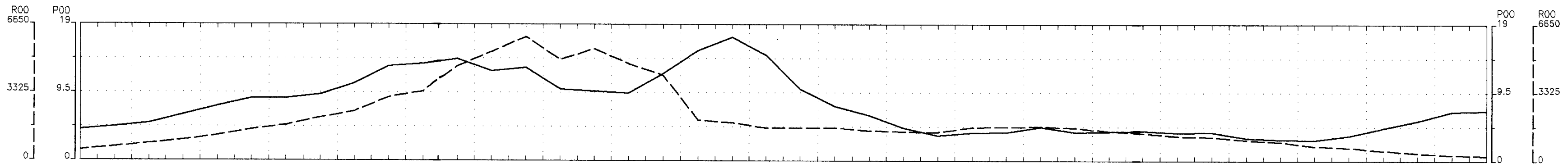


INMET MINING CORPORATION

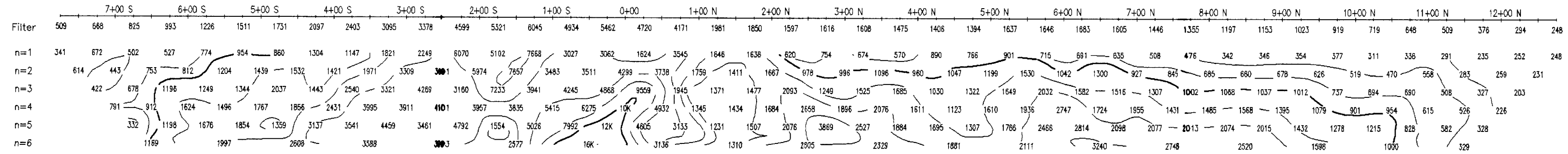
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PRICE & THORNELOE TWP., TIMMINS, ONTARIO

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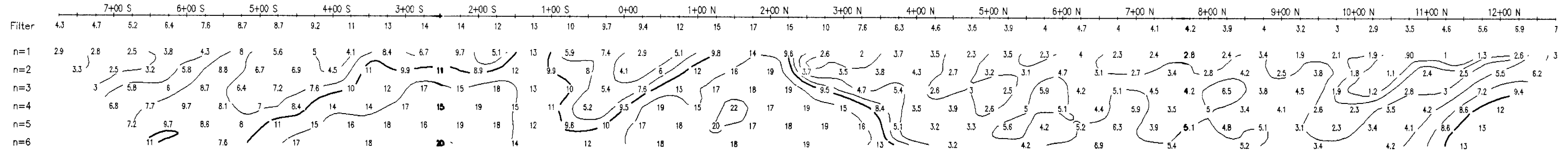
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



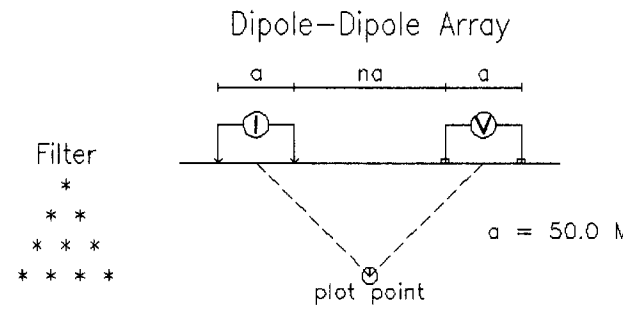
RESISTIVITY
OHM-METERS



PHASE
MRAD



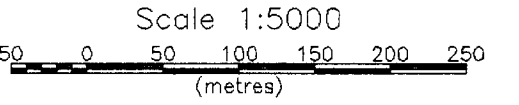
Line 0500 E



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

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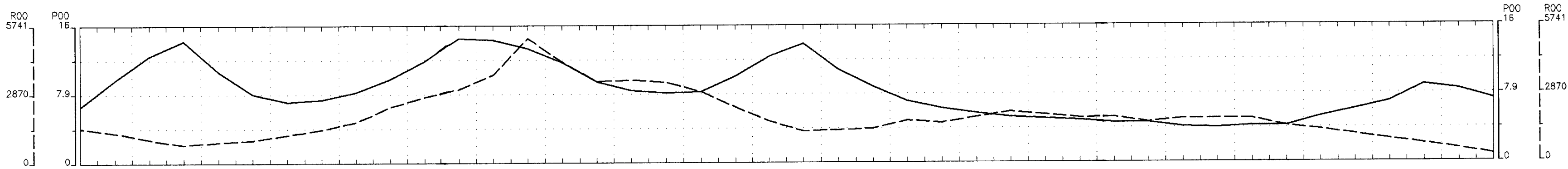


INMET MINING CORPORATION

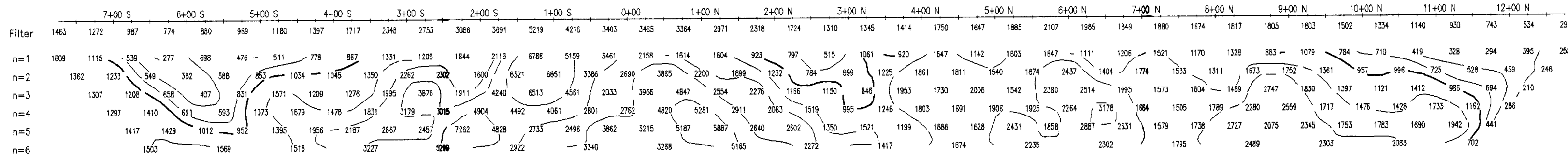
INDUCED POLARIZATION SURVEY
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PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/07/01
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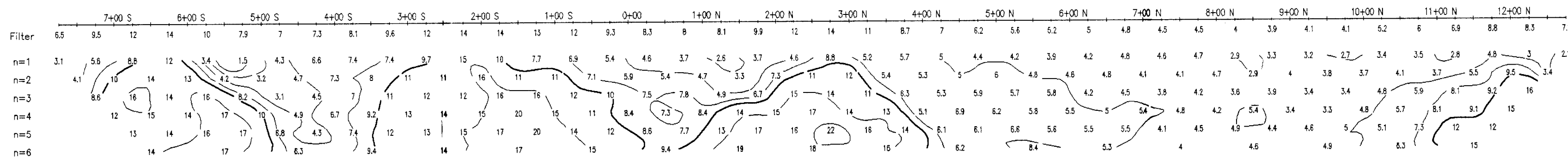


RESISTIVITY
OHM-METERS



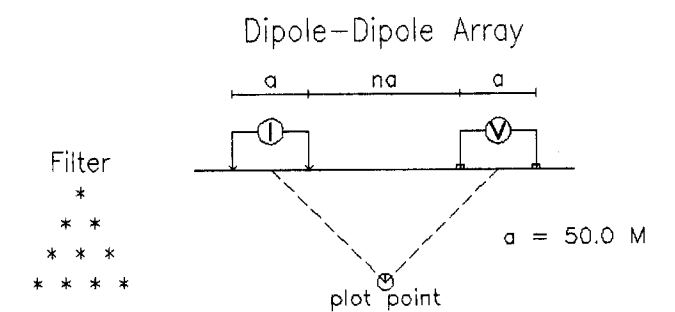
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

Line 0700 E



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

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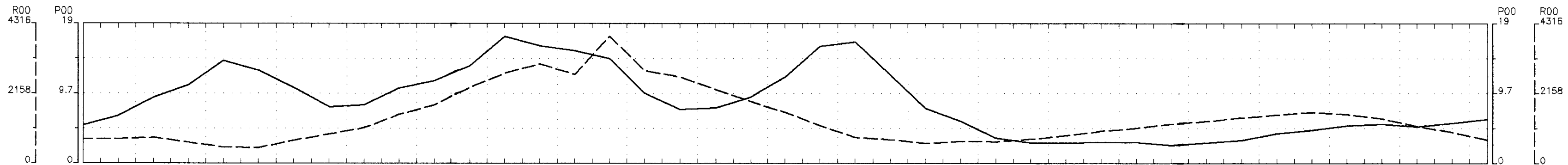
Scale 1:5000
50 0 50 100 150 200 250 (metres)

INMET MINING CORPORATION

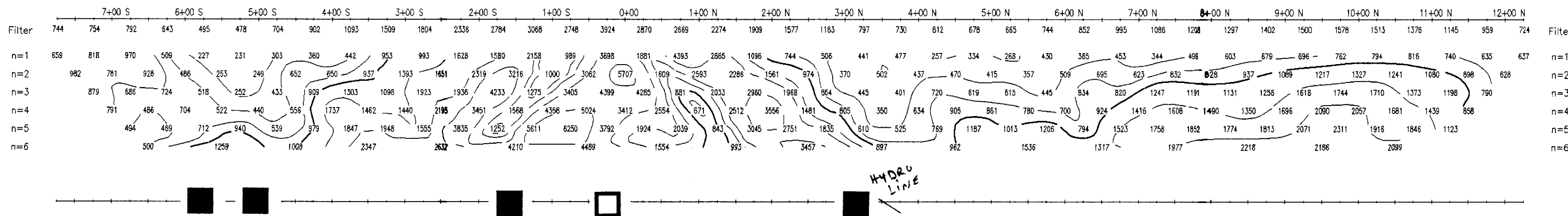
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/07/01
Interpretation: GERARD LAMBERT

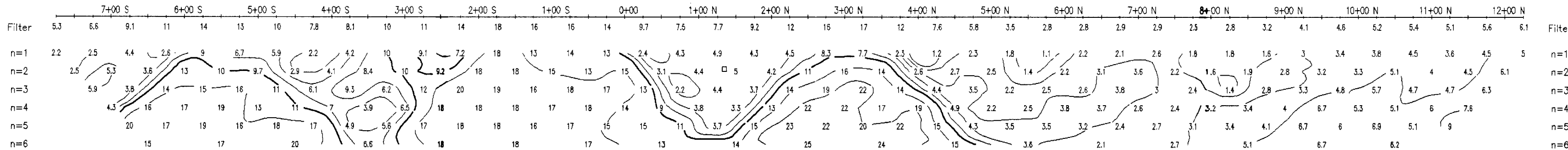
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



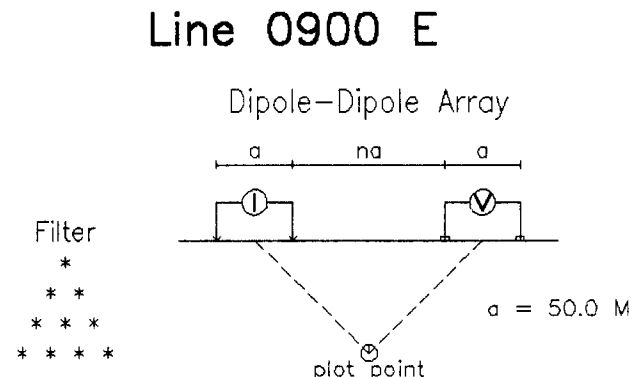
RESISTIVITY
OHM-METERS



PHASE
MRAD



RESISTIVITY
OHM-METERS

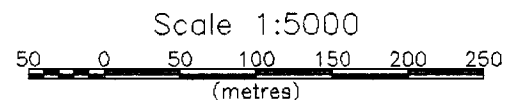


Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

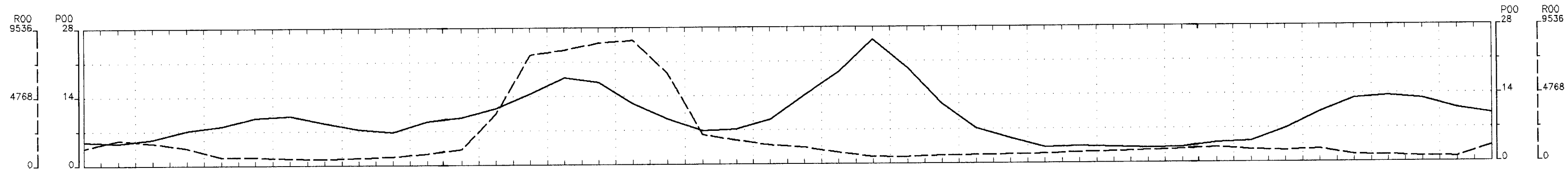


INMET MINING CORPORATION

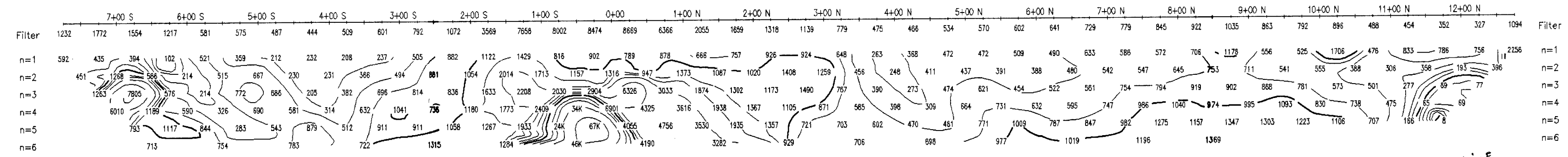
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/07/01
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

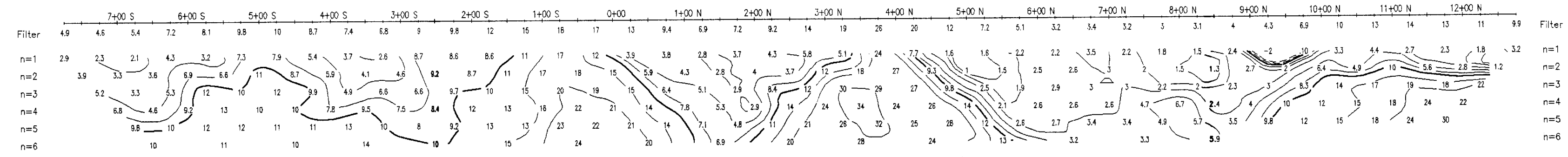


RESISTIVITY
OHM-METERS



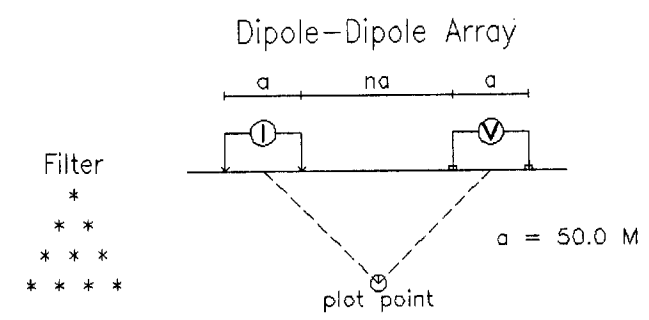
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

Line 1100 E



Filter
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* * * *

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

INTERPRETATION

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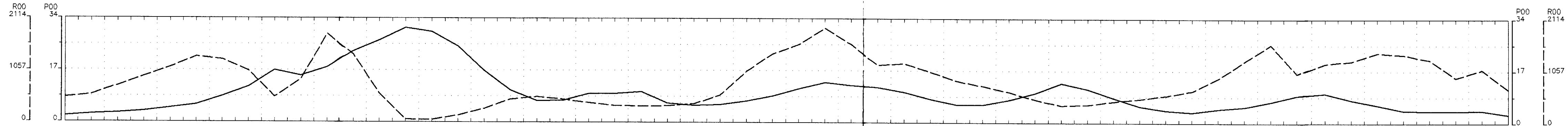
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(metres)

INMET MINING CORPORATION

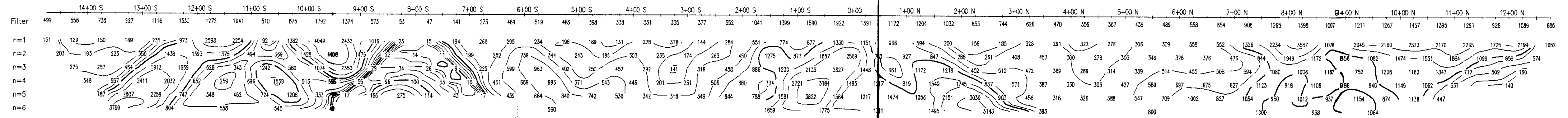
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/07/01
Interpretation: GERARD LAMBERT

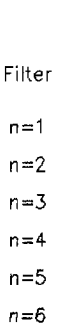
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



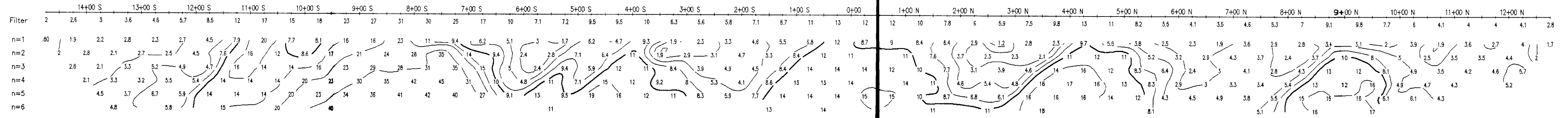
RESISTIVITY
OHM-METERS



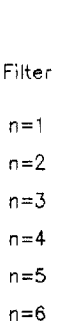
RESISTIVITY
OHM-METERS



PHASE
MRAD

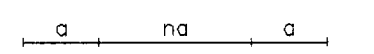


PHASE
MRAD



Line 1300 E

Dipole-Dipole Array



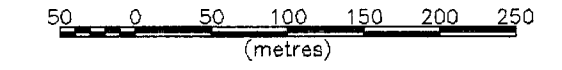
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

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Scale 1:5000

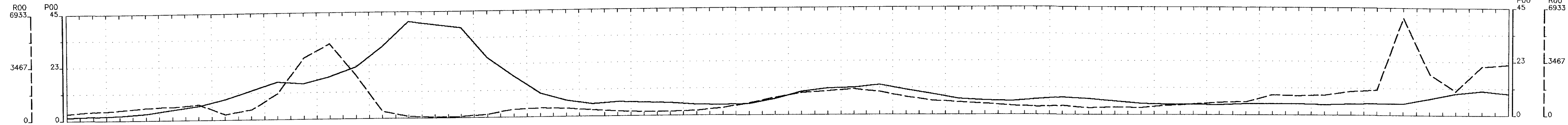


INMET MINING CORPORATION

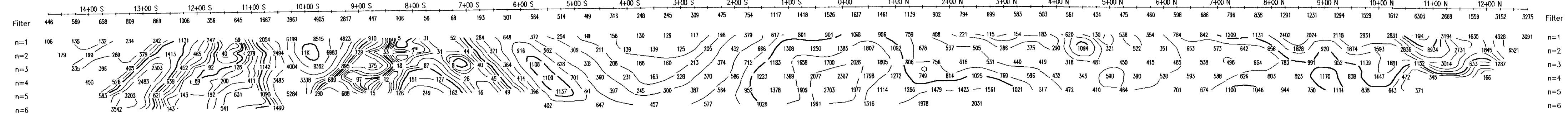
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/30
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

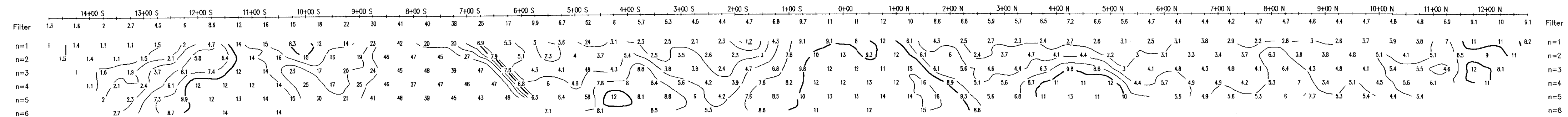


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

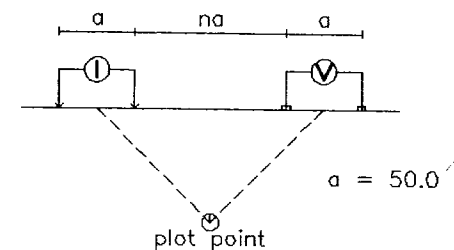
PHASE
MRAD



PHASE
MRAD

Line 1500 E

Dipole-Dipole Array



Filter

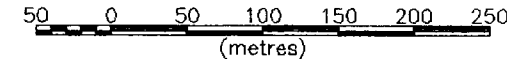
- *
- **
- ***
- ****

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

INTERPRETATION

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Scale 1:5000

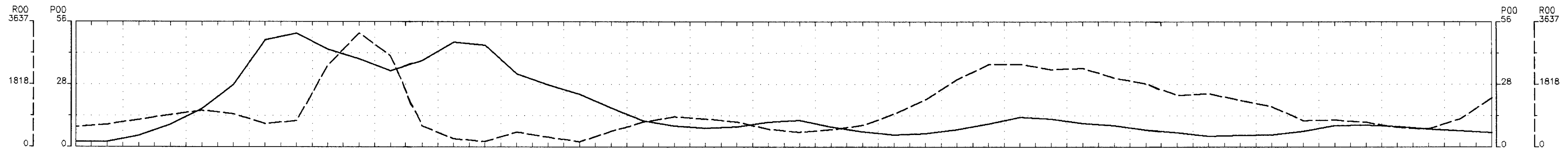


INMET MINING CORPORATION

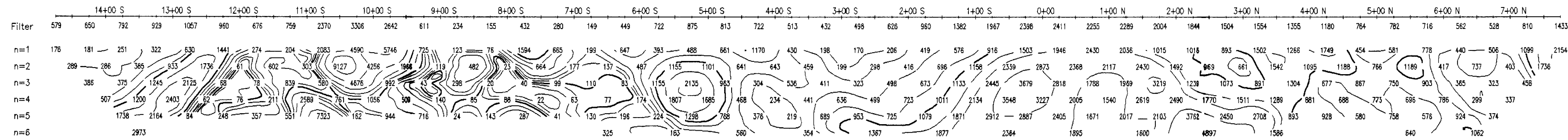
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/30
Interpretation: GERARD LAMBERT

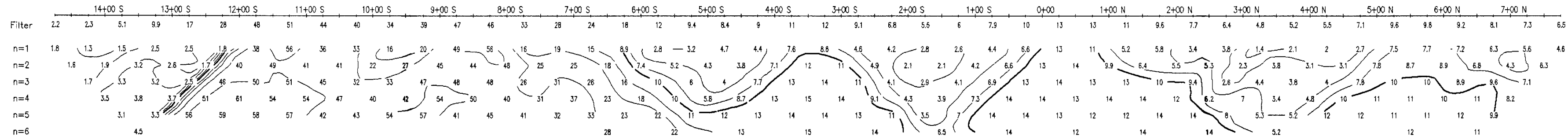
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



RESISTIVITY
OHM-METERS



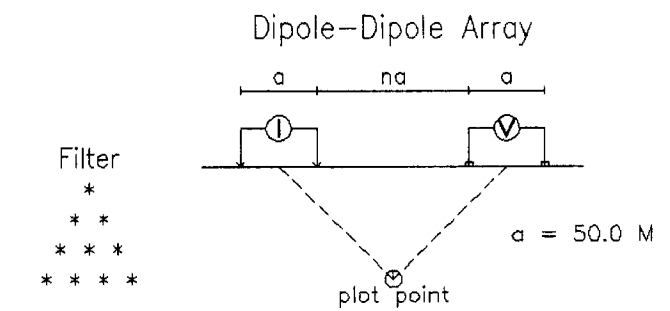
PHASE
MRAD



RESISTIVITY
OHM-METERS

PHASE
MRAD

Line 1700 E



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

INTERPRETATION

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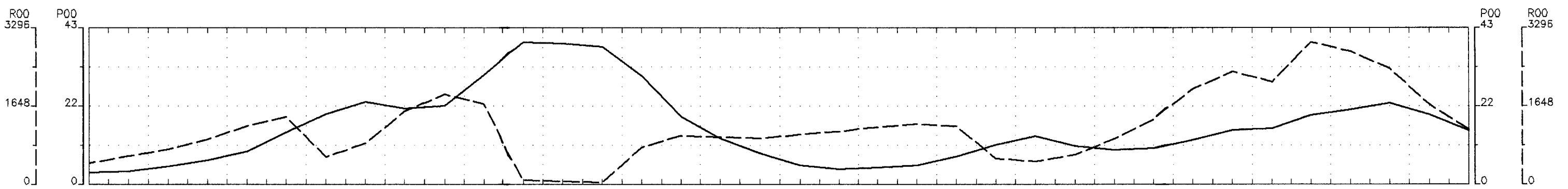
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INMET MINING CORPORATION

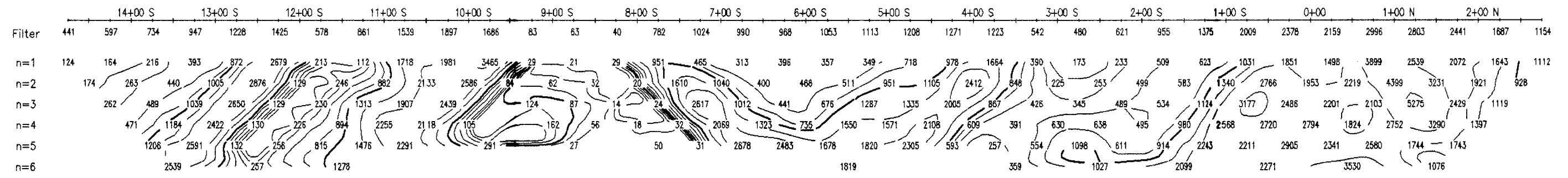
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/29
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

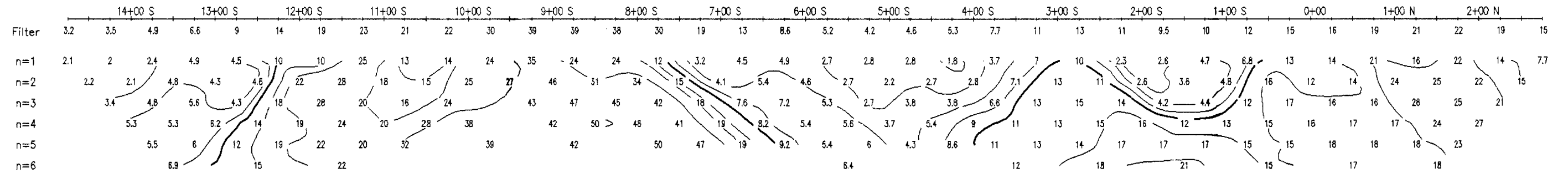


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

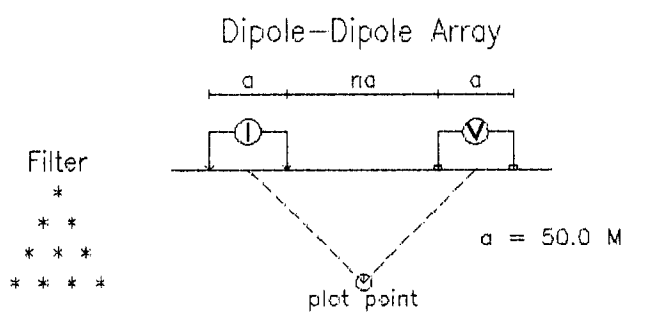
PHASE
MRAD



PHASE
MRAD



Line 1900 E

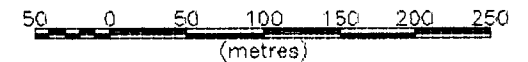


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

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Scale 1:5000

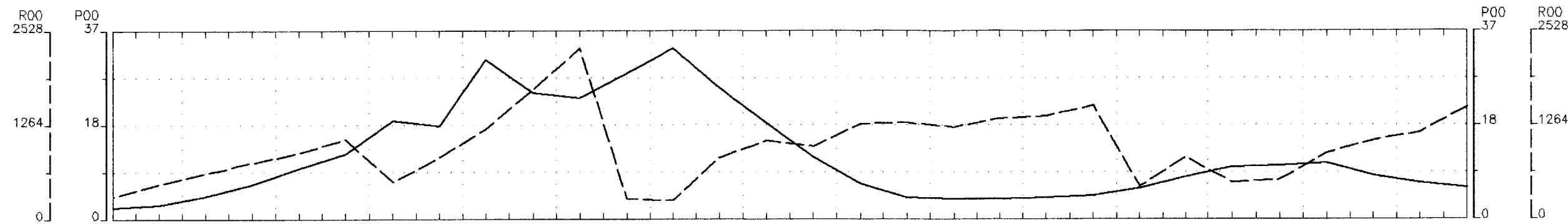


NMET MINING CORPORATION

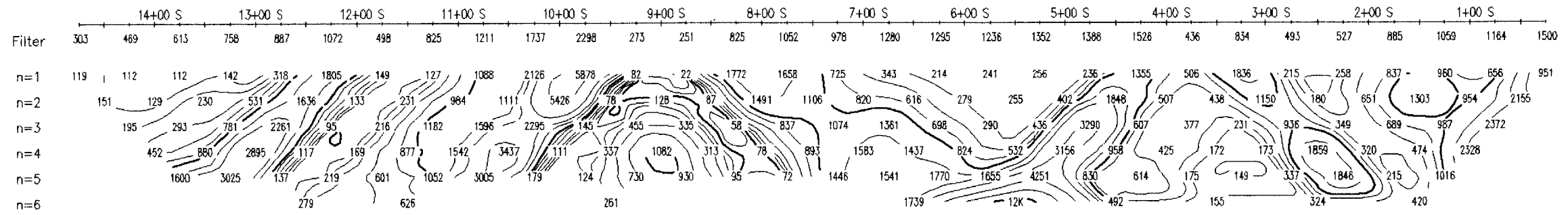
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/28
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

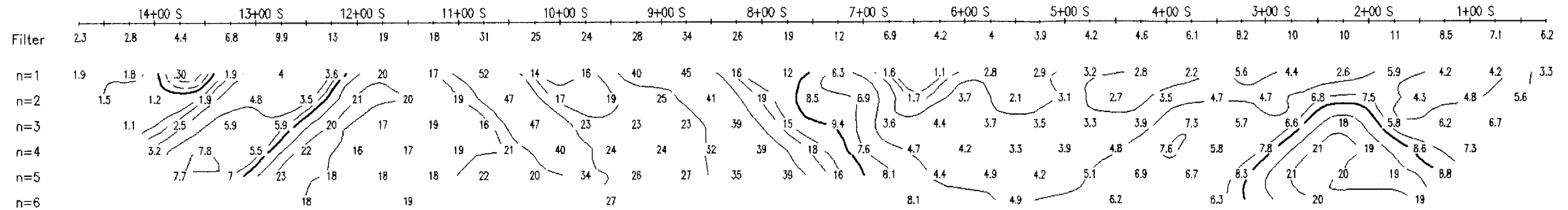


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

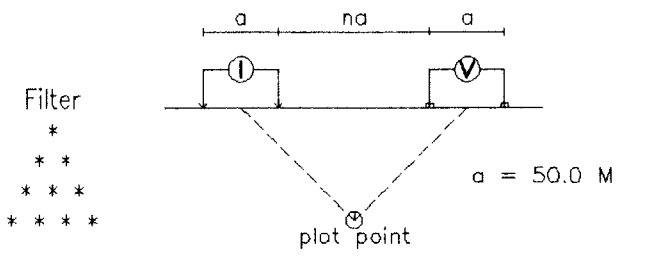
PHASE
MRAD



PHASE
MRAD

Line 2100 E

Dipole-Dipole Array



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

INTERPRETATION

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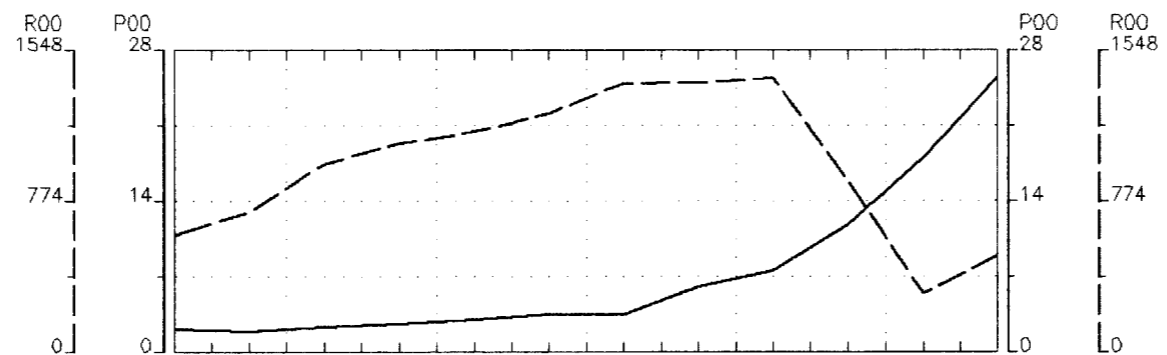
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MINING LANDS
(metres)

NMET MINING CORPORATION

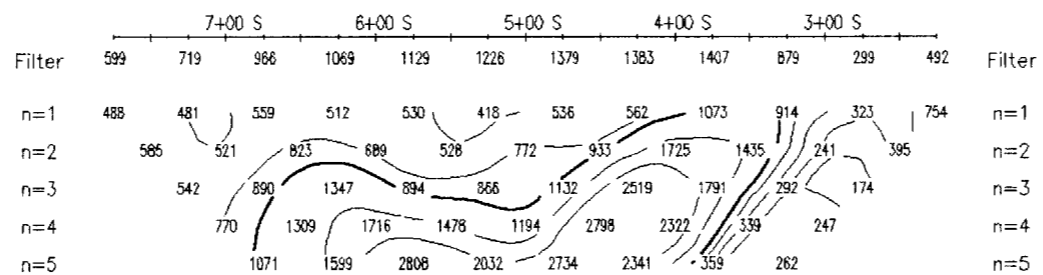
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/27
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

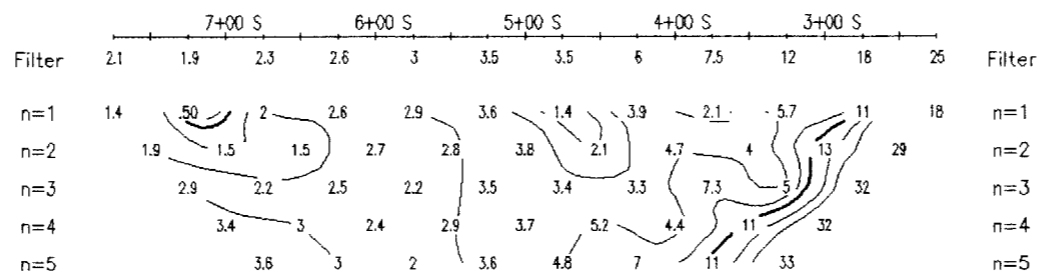


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

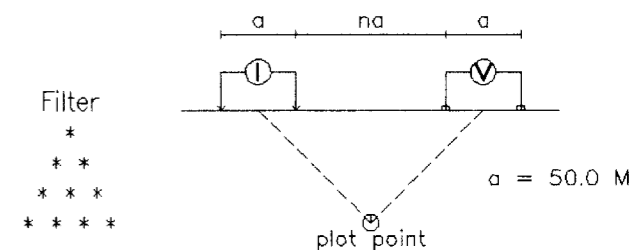
PHASE
MRAD



PHASE
MRAD

Line 2300 E

Dipole-Dipole Array

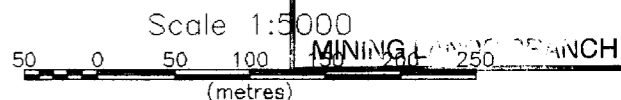


Filter * * * * *
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
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- ▼ Low resistivity feature.

RECORDED
JAN 11 1997
Scale 1:5000
MINING BRANCH

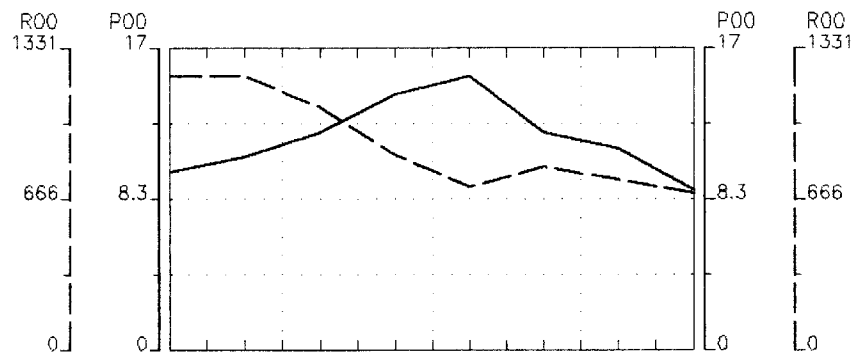


INMET MINING CORPORATION

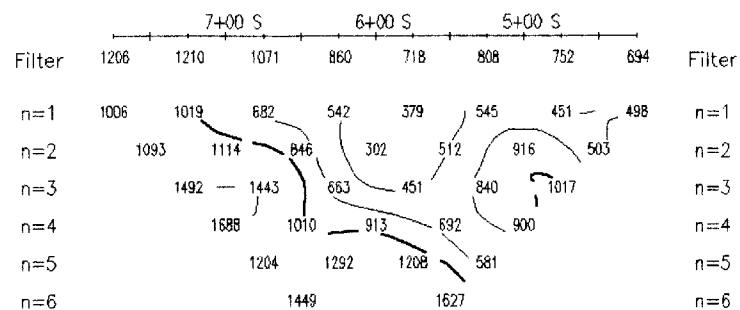
INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/27
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

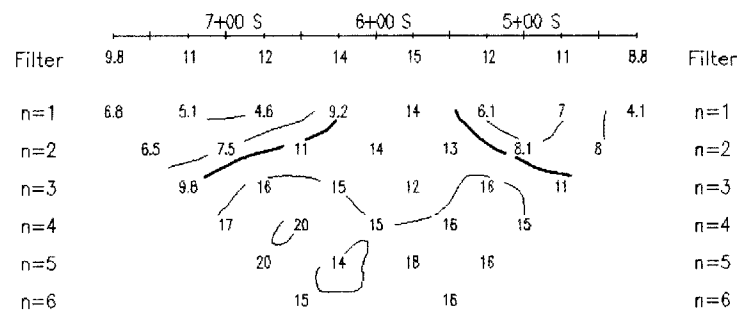


RESISTIVITY
OHM-METERS



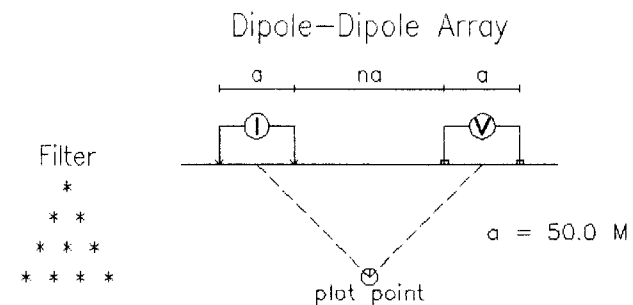
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

Line 2500 E

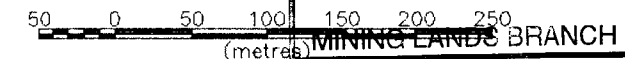


Filter * * * * *
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

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Scale 1:5000



INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
PROJECT CROXALL-KANGAS, PN-765
PRICE & THORNELOE TWP., TIMMINS, ONTARIO

Date: 96/06/27
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à la correspondance. 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.

Directives :



42A06SW0016 2.16987 OGDEN

900

r connaître les directives de dépôt des travaux

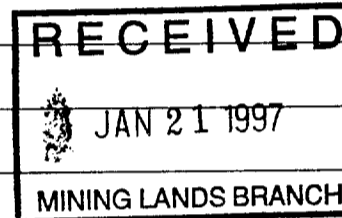
2.16987

arts techniques et des cartes.
claims ayant fait l'objet des travaux.

Titulaire(s) enregistré(s) INMET MINING		N° de client 169899
Adresse SUITE 3400, AETNA TOWER, C.A. BOX 19, TORONTO DOMINION CENTRE TORONTO, ONT. M5K 1A1		N° de téléphone 416-361-6400
Division des mines PORCUPINE	Canton/secteur PRICE, OGDEN, THORNELOE	N° de plan M ou G M-307, 6-397A, 63229
Dates d'exécution des travaux du : JUNE 26, 1996 au : JULY 2, 1996		

Travaux exécutés (cocher un seul groupe de travaux)

Groupe de travaux	Genre
<input checked="" type="checkbox"/> Levé géotechnique	IP Survey + INTERPRETATION
<input type="checkbox"/> Travaux physiques, y compris forage	
<input type="checkbox"/> Réhabilitation	
<input type="checkbox"/> Autres travaux autorisés	
<input type="checkbox"/> Essais	
<input type="checkbox"/> Valeur transférée de la réserve	



Total des travaux d'évaluation réclamé sur le relevé des frais ci-annexé \$ 17,960.00 \$

Nota : Le ministre peut rejeter une partie ou la totalité des travaux d'évaluation présentés pour obtenir des crédits d'évaluation si le titulaire enregistré ne peut vérifier les dépenses réclamées sur le relevé des frais dans les trente jours suivant une demande de vérification.

Les personnes et la compagnie d'arpentage qui ont exécuté les travaux (donner le nom et l'adresse de l'auteur du rapport)

Nom	Adresse
GÉRARD LAMBERT GÉOSCIENCES	144, RUE GEORGE, C.P. 2355, ROUYN-NORANDA (QUÉ.) J9X 5A9
RÉMY BÉLANGER E.M.R.	C.P. 40, 329, BOUL. ÉVAÏN OUEST ÉVAÏN (QUÉ.) J0Z 1Y0

(Joindre une annexe au besoin)

Certification d'intérêt bénéficiaire * Voir la note n° 1 au verso

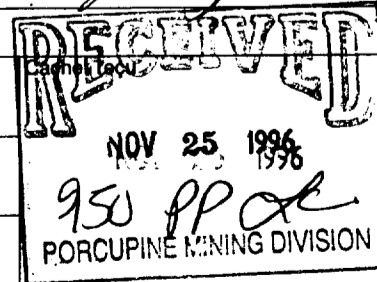
Je certifie qu'au moment où les travaux ont été exécutés, les claims dont il est question dans le présent rapport étaient enregistrés au nom de leur titulaire actuel ou détenus à titre bénéficiaire par l'actuel titulaire enregistré.	Date Nov 20/1996	Titulaire enregistré ou représentant (Signature) Bernard Bois SENIOR PROJECT GEOLOGIST
--	----------------------------	---

Certification du rapport sur les travaux exécutés

Je certifie que j'ai une connaissance directe des faits exposés dans le présent rapport, pour avoir exécuté les travaux ou en avoir constaté l'exécution avant ou après leur achèvement. Je certifie aussi que le rapport ci-annexé est exact.		
Nom et adresse du certificateur BERNARD BOILY INMET MINING, 1300 BOUL. SAGUENAY, P.O. BOX 2187 ROUYN-NORANDA (QUÉ.) J9X 5A6		
N° de téléphone 819-764-6666	Date Nov 20/1996	Certifié par (signature) Bernard B.

Réservé au ministère

Valeur totale des crédits enregistrés \$ 17,960.	Date d'enregistrement	Registreur de claims undated Gary White
	Date de l'approbation prévue FEB. 23/97	Date d'approbation
	Date d'envoi de l'avis de modification	





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

W9660.00603

2.16987

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 Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type IP SURVEY	15,200.00	
	INTERPRETATION	1,550.00	
			16,750.00
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			16,750.00

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		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation	MOB - DEMOB	1,200.00	1,200.00
Sub Total of Indirect Costs Total partiel des coûts indirects			1,200.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			1,200.00
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			17,950.00
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			17,950.00

RECEIVED
JAN 21 1997
MINING LANDS BRANCH

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 SENIOR PROJECT GEOLOGIST am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Bernard Boily

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 Bernard Boily

Date Nov 20/1996

Note: Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Numéro de rapport des travaux exécutés pour l'affectation de la réserve	Numéro de claim	Nombre d'unités
	849065	1
	849066	1
	849067	1
	849068	1
	849069	1
	871790	1
	871791	1
	871793	1
	871794	1
	871797	1
	880296	1
	880297	1
	880298	1
	880299	1
	880300	1
	880301	1
	880302	1
Nombre total de claims		17

Valeur des travaux d'évaluation exécutés sur ce claim	Valeur affectée à ce claim
\$ 646	\$ 400
\$ 252	\$ 400
\$ 326	\$ 400
\$ 927	\$ 400
\$ 482	\$ 400
\$ 295	\$ 400
\$ 532	\$ 400
\$ 196	\$ 400
\$ 538	\$ 400
\$ 818	\$ 400
\$ 538	\$ 400
\$ 538	\$ 400
\$ 504	\$ 400
\$ 572	\$ 400
\$ 594	\$ 400
\$ 656	\$ 400
\$ 662	\$ 400
Valeur totale des travaux exécutés	Valeur totale des travaux qui a été affectée
\$ 9,076	\$ 6,800

Valeur transférée de ce claim	Réserve : travaux à réclamer à une date ultérieure
\$ 646	0
\$ 252	0
\$ 326	0
\$ 927	0
\$ 482	0
\$ 295	0
\$ 532	0
\$ 196	0
\$ 538	0
\$ 818	0
\$ 538	0
\$ 538	0
\$ 504	0
\$ 572	0
\$ 594	0
\$ 656	0
\$ 662	0
Total transféré	Réserve totale
9,076	0

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

- Les crédits doivent être réduits en commençant par le dernier claim sur la liste.
- Les crédits doivent être réduits également entre tous les claims figurant dans le présent rapport.
- Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : Exemples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.

Note 2 : Si des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les travaux ont été exécutés	Signature	Date
--	-----------	------

1/3

Numéro de rapport pour les travaux exécutés pour l'affectation de la réserve	Numéro de claim	Nombre d'unités
	880303	1
	880304	1
	880305	1
	880306	1
	880307	1
	880308	1
	880309	1
	880310	1
	889259	1
	889260	1
	889261	1
	889262	1
	889263	1
	889264	1
	900409	1
	900410	1
	900412	1
Nombre total de claims		17

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 LANDS BRANCH
 JAN 21 1997

Valeur des travaux d'évaluation exécutés sur ce claim	Valeur affectée à ce claim
\$ 397	400
\$ 615	400
\$ 475	400
\$ 475	400
\$ 425	400
\$ 593	400
\$ 796	400
\$ 973	400
\$ 632	400
\$ 228	400
\$ 134	400
\$ 259	0
\$ 469	400
\$ 443	400
\$ 245	0
\$ 693	400
\$ 55	400
\$ 7,907	\$ 6,000

Valeur transférée de ce claim	Reserve : travaux à réclamer à une date ultérieure
\$ 397	0
\$ 615	0
\$ 475	0
\$ 475	0
\$ 425	0
\$ 593	0
\$ 796	0
\$ 973	0
\$ 632	0
\$ 228	0
\$ 134	0
\$ 259	0
\$ 469	0
\$ 443	0
\$ 245	0
\$ 693	0
\$ 55	0
\$ 7,907	0

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

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- Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : Exemples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.

Note 2 : SI des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les travaux ont été exécutés	Signature	Date
--	-----------	------

Numero de rapport r les travaux executés pour l'affectation de la réserve	Numero de claim	Nombre d'unités	Valeur des travaux d'évaluation executés sur ce claim	Valeur affectée à ce claim	Valeur transférée de ce claim	Réserve : travaux à réclamer à une date ultérieure
	900413	1	\$ 182	\$ 400	\$ 182	0
	900414	1	\$ 226	\$ 400	\$ 226	0
	900415	1	\$ 226	\$ 400	\$ 209	\$ 17
	988131	1	\$ 303	0	0	\$ 303
	1033737	1	\$ 40	\$ 400	0	\$ 40
	1033734	1	0	\$ 400	0	0
	1033736	1	0	\$ 400	0	0
	1126672	1	0	\$ 400	0	0
	1159644	1	0	\$ 400	0	0
	871792	1	0	\$ 400	0	0
	871795	1	0	\$ 400	0	0
	871796	1	0	\$ 400	0	0
	900411	1	0	\$ 400	0	0
	38 Claims					
	38 Units					
	Sub Total (P3) 13		\$ 977	\$ 4,800	\$ 617	\$ 360
	47		\$ 17,960	\$ 17,600	\$ 17,600	\$ 360

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MINING LANDS BRANCH
JAN 21 1997

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

- Les crédits doivent être réduits en commençant par le dernier claim sur la liste.
- Les crédits doivent être réduits également entre tous les claims figurant dans le présent rapport.
- Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : Exemples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.

Note 2 : Si des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les travaux ont été exécutés	Signature	Date
--	-----------	------



January 27, 1997

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

Gary White
Mining Recorder
60 Wilson Avenue, 1st Floor
Timmins, ON
P4N 2S7

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

Dear Sir or Madam:

Submission Number: 2.16987

Status

Subject: Transaction Number(s): W9660.00603 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at beneteau_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

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

Work Report Assessment Results

Submission Number: 2.16987

Date Correspondence Sent: January 27, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9660.00603	849065	PRICE, OGDEN, THORNELOE	Approval	January 23, 1997

Section:

14 Geophysical IP

Correspondence to:

Mining Recorder
Timmins, ON

Resident Geologist
Timmins, ON

Assessment Files Library
Sudbury, ON

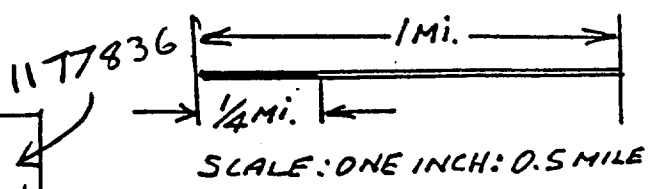
Recorded Holder(s) and/or Agent(s):

Bernard Boily
ROUYN-NORANDA, QUEBEC

INMET MINING CORPORATION
TORONTO, Ontario

KANGAS-CROXALL PROPERTY
W9660.0066

BRISTOL
OGDEN



1212689 →

1177836
1177837

☑ CLAIMS WHERE WORK WAS PERFORMED

2.16987

BRISTOL
THORNELOE

OGDEN
PRICE

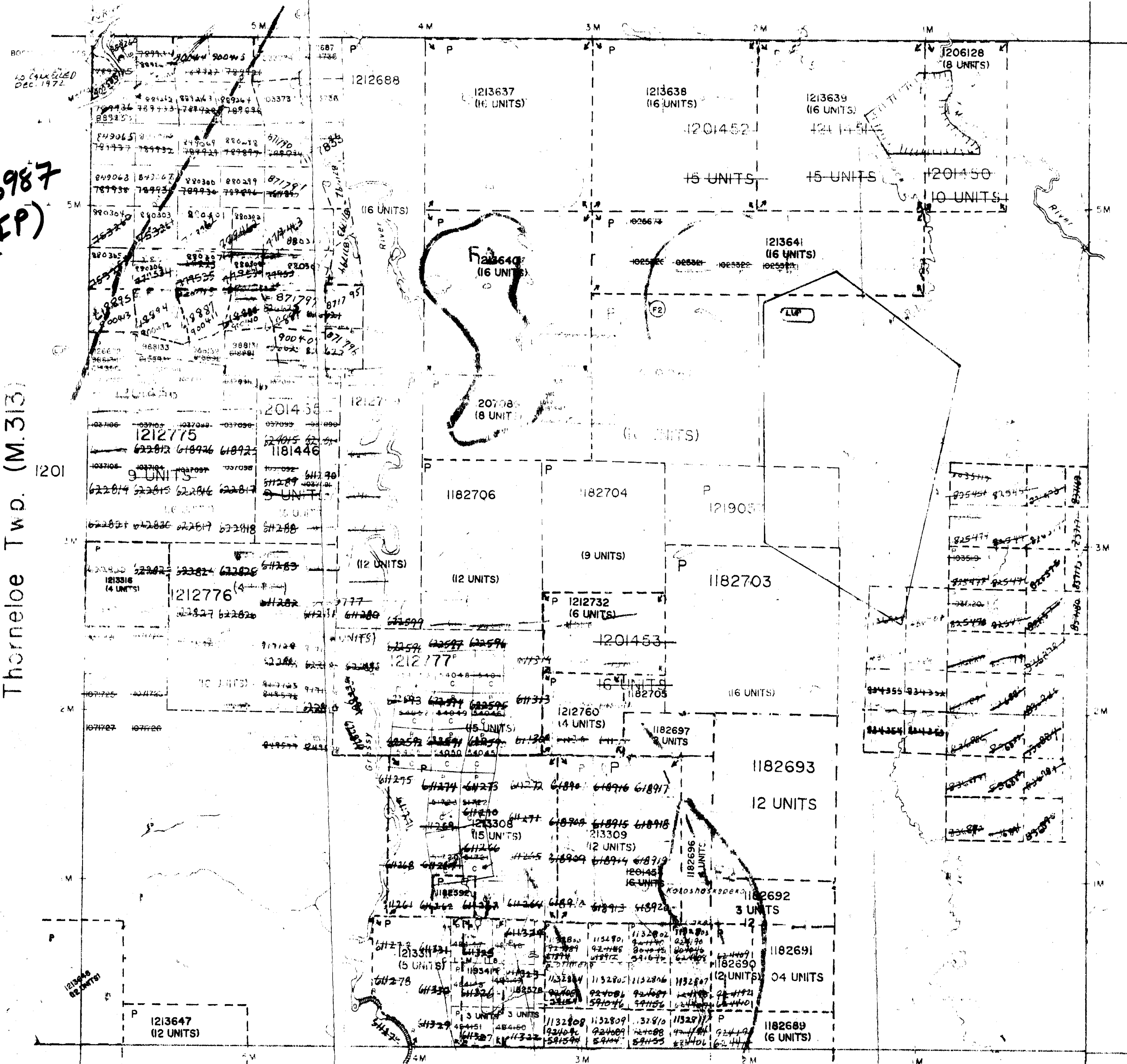
905588	88260	889261	900414	900415	1033734	1212687
889259	889262	889263	889264	1033737	1033736	
905586	880296	849065	849066	849069	880298	871790
905587	880297	849068	849067	880300	880299	871791
	880304	880303	880301	880302	880310	871793
	880305	880306	880307	880308	880309	871794
1177832	1159644	900413	900412	900411	900410	871797
1159645	1126672	988133	988132	988131	900409	871795

1212688

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JAN 21 1997
MINING LANDS BRANCH

1160199

Ogden Twp. (M 305)



2.6987 (IP)

Thorneloe Twp. (M.313)

Adams Twp. (M.261)

Frapp Twp. (M.281)

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.

THE TOWNSHIP

PRICE

DISTRICT OF COCHRANE

2 16987

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

DISPOSITION OF CROWN LANDS

- PATENT, SURFACE AND MINING RIGHTS
- " SURFACE RIGHTS ONLY
- " MINING RIGHTS ONLY
- LEASE, SURFACE AND MINING RIGHTS
- " MINING RIGHTS ONLY
- LICENCE OF OCCUPATION
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

NOTES

- 40' surface rights reserved in shares of shares and...
- Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).
Order No File Date Disposition
- (LUP) APPLICATION PENDING UNDER PUBLIC LANDS ACT
NOTICE RECEIVED 93-MAR-30 (SNOWMOBILE TRAIL)
- (LUP) APPLICATION PENDING UNDER PUBLIC LANDS ACT
NOTICE RECEIVED 93-JUN-23 (WASTE DISPOSAL SITE)
- (2) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995/96. AREAS DESIGNATED EXACTLY AS SUBMITTED BY MNR TIMMINS.

SAND AND GRAVEL

- (6) QUARRY PERMIT

Acc. Oct. 3/79

This township lies within the Municipality of the CITY of TIMMINS.

PLAN NO M-307

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



200

PRICE 1MB

PRICE 1MB

PRICE 1MB

PRICE 1MB

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

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.

- ① TRAIL
- ② ROAD
- ③ RAILROAD
- ④ CANAL
- ⑤ DAM
- ⑥ PENSTOCK
- ⑦ POWER LINE
- ⑧ TELEPHONE LINE
- ⑨ FENCE
- ⑩ BOUNDARY
- ⑪ WATER
- ⑫ WETLAND
- ⑬ TOWNSHIP
- ⑭ COUNTY
- ⑮ PROVINCE
- ⑯ COUNTRY

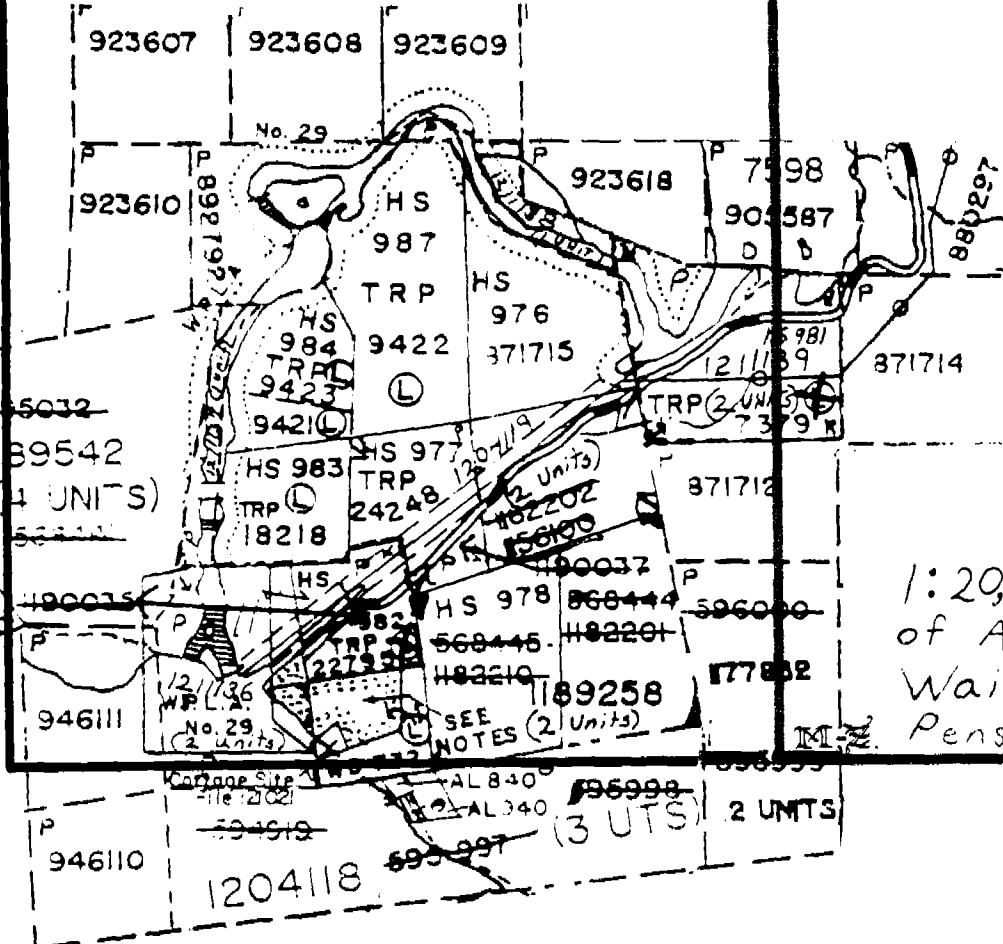
- ① THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN ACCORDANCE WITH THE FOREST ACT AND REGULATIONS THEREUNDER. FURTHER INFO AVAILABLE ON FILE.
- ② THIS TWP. IS SUBJECT TO HYDRO-ELECTRICITY ACTIVITIES IN ACCORDANCE WITH THE HYDRO-ELECTRICITY ACT AND REGULATIONS THEREUNDER. FURTHER INFO AVAILABLE ON FILE.

NOTES

Reservation for Deputy Chief Ranger's Headquarters site shown thus File: 110657

Flooding Rights on Kenogamissi Lk. & Mattagami R. are reserved to Ont. Hydro - L.O. 7598. File: 1163 vol.3

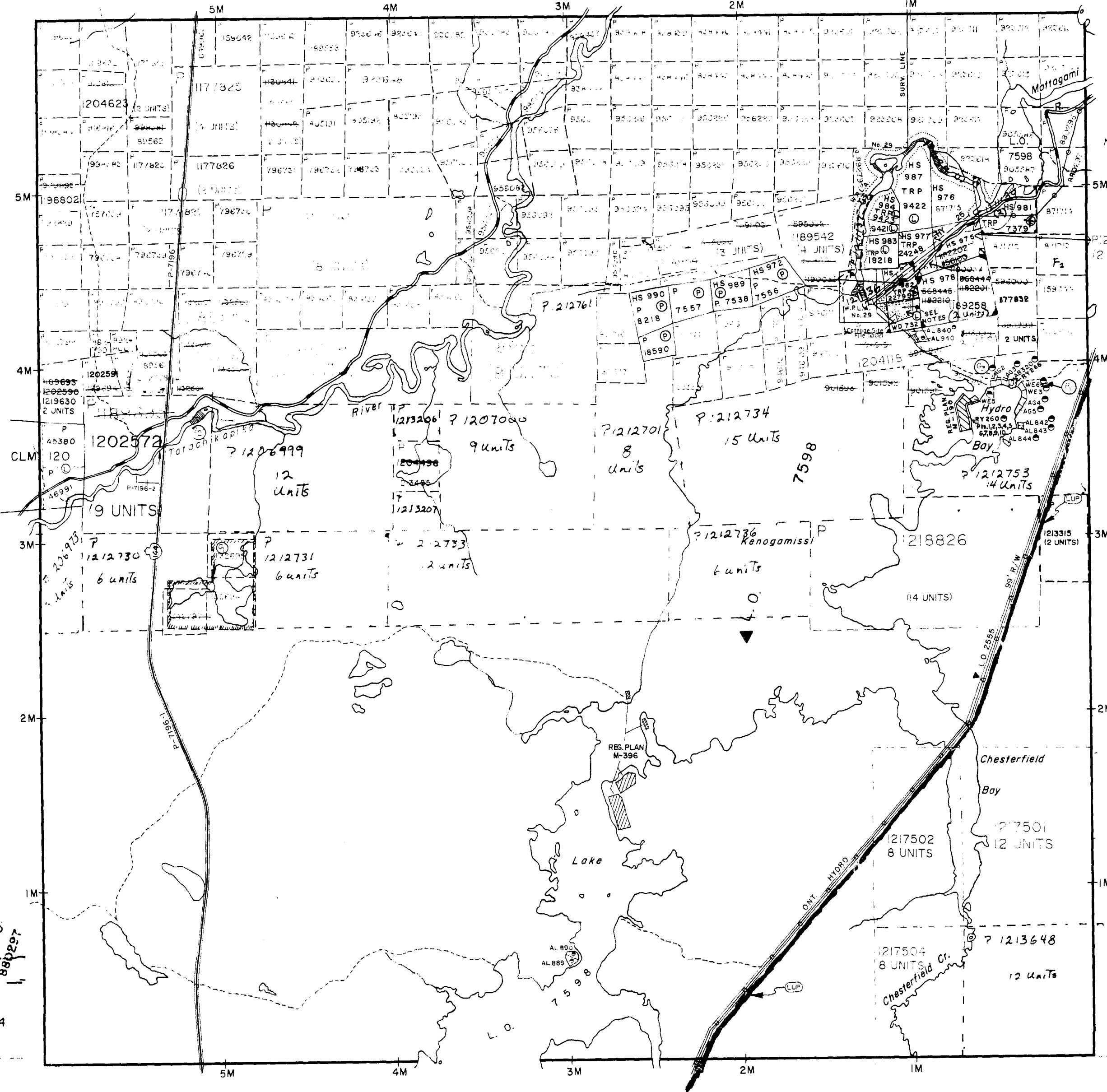
APPLICATION PENDING UNDER PUBLIC LANDS ACT NOTICE RECEIVED 93-MAR-30 (SNOWMOBILE TRAIL)



1:29,000 Plot of Area Around Waiwaitin Falls (Dam) and Penstock.

Bristol Twp.

2.16987 (IP)



Note: See insert in lower left-hand corner for more detail around the dam and penstock area.

Price Twp.

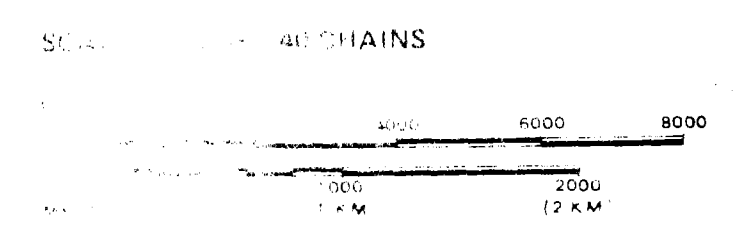
Mc Keown Twp.

LEGEND

- ① MINING RIGHTS ONLY
- ② SURFACE RIGHTS ONLY
- ③ MINING AND SURFACE RIGHTS
- ④ UNDEVELOPED LANDS
- ⑤ FORESTED LANDS
- ⑥ RAILROADS
- ⑦ NON-PAID FOR STREAM
- ⑧ FEDERAL RESERVING RIGHTS
- ⑨ SEVERALty RIGHTS
- ⑩ MINING CLAIMS
- ⑪ TOWNSHIP BOUNDARY
- ⑫ COUNTY BOUNDARY
- ⑬ PROVINCE BOUNDARY
- ⑭ COUNTRY BOUNDARY

DISPOSITION OF CROWN LANDS

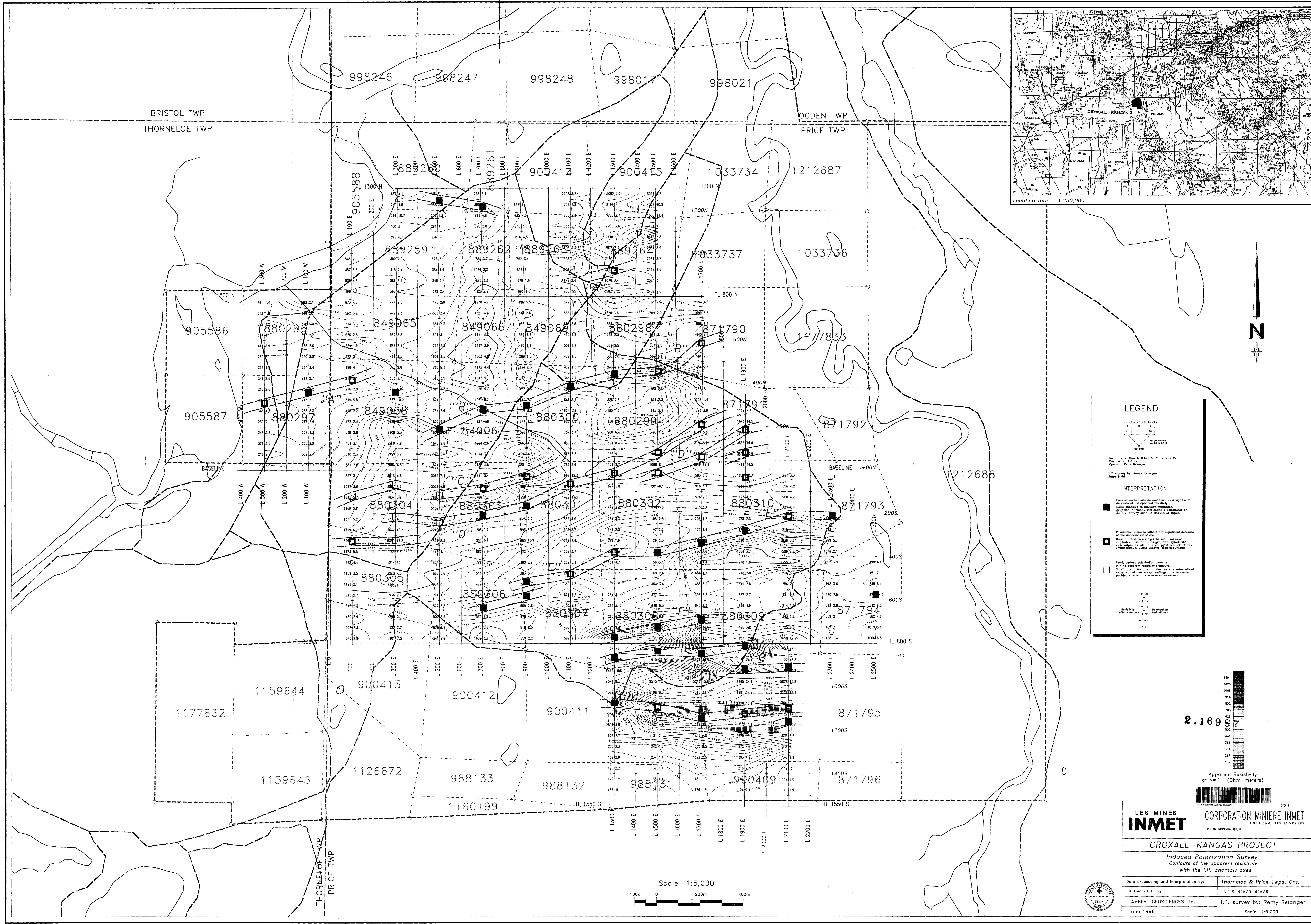
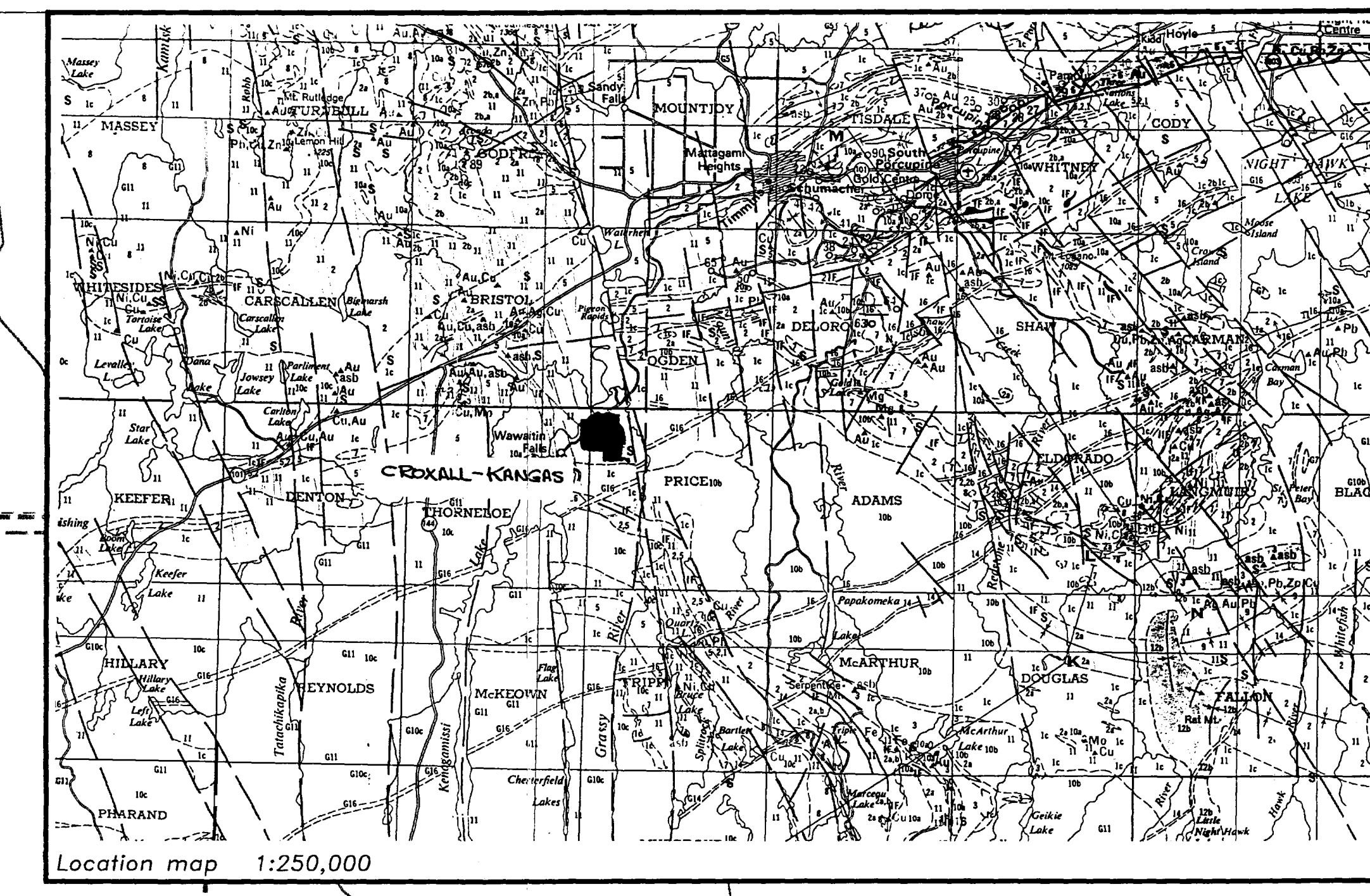
- | TYPE OF DISPOSITION | SYMBOL |
|---------------------------|--------|
| MINING RIGHTS ONLY | ① or ● |
| SURFACE RIGHTS ONLY | ② or ○ |
| MINING AND SURFACE RIGHTS | ③ or ■ |
| UNDEVELOPED LANDS | ④ or □ |
| FORESTED LANDS | ⑤ or ▨ |
| RAILROADS | ⑥ or — |
| NON-PAID FOR STREAM | ⑦ or ~ |
| FEDERAL RESERVING RIGHTS | ⑧ or — |
| SEVERALTY RIGHTS | ⑨ or — |
| MINING CLAIMS | ⑩ or — |
| TOWNSHIP BOUNDARY | ⑪ or — |
| COUNTY BOUNDARY | ⑫ or — |
| PROVINCE BOUNDARY | ⑬ or — |
| COUNTRY BOUNDARY | ⑭ or — |



TOWNSHIP
THORNELOE
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



Date MARCH 1985 Number **G-3229**



LEGEND

DIPOLE-DIPOLE ARRAY

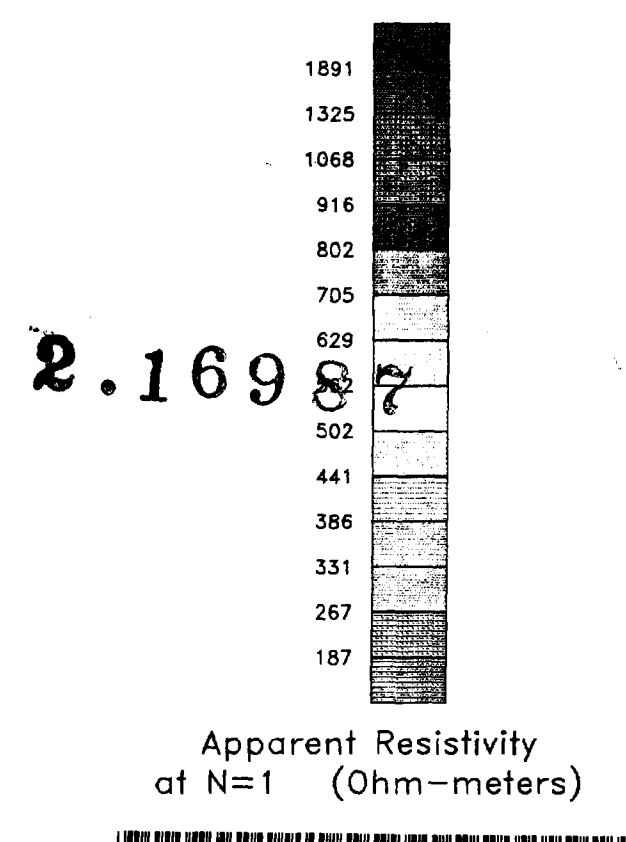
 250 meters
 25.0x25.0

INTERPRETATION

- Polarization increase accompanied by a significant decrease of the apparent resistivity. Interpretation to massive sulphides, graphite. Normally will cause a conductor on the I.P. survey such as section or dipole.
- Polarization increase without any significant decrease of the apparent resistivity. Interpretation to stringer or semi-massive sulphides (discontinuous), graphite-sulphide, thin wire frame graphite-sulphide, sulphide, massive sulphide, graphite mineral.
- Fairly defined polarization increase with no apparent resistivity signature. Small quantities of sulphides, narrow mineralized veins, fractured sandy readings, due to contact potential, weather, cut or soluble metals.

Resistivity (Ohm-meters) Polarization (mVolts)

25	44
35	42
45	41
55	40
65	39
75	38
85	37
95	36
105	35
115	34
125	33
135	32
145	31
155	30
165	29
175	28
185	27
195	26
205	25
215	24
225	23
235	22
245	21
255	20
265	19
275	18
285	17
295	16
305	15
315	14
325	13
335	12
345	11
355	10
365	9
375	8
385	7
395	6
405	5
415	4
425	3
435	2
445	1



LES MINES INMET CORPORATION MINIERE INMET
 SOUTH-NORANDA, QUEBEC EXPLORATION DIVISION

CROXALL-KANGAS PROJECT

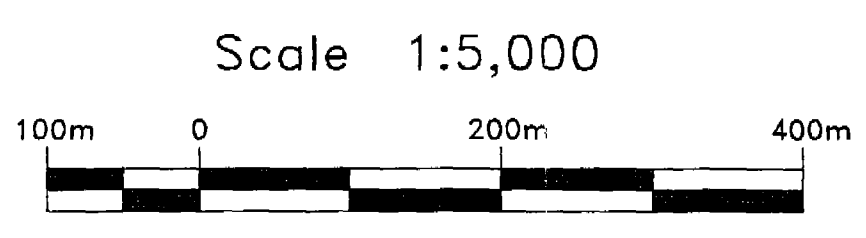
Induced Polarization Survey
 Contours of the apparent resistivity
 with the I.P. anomaly axes

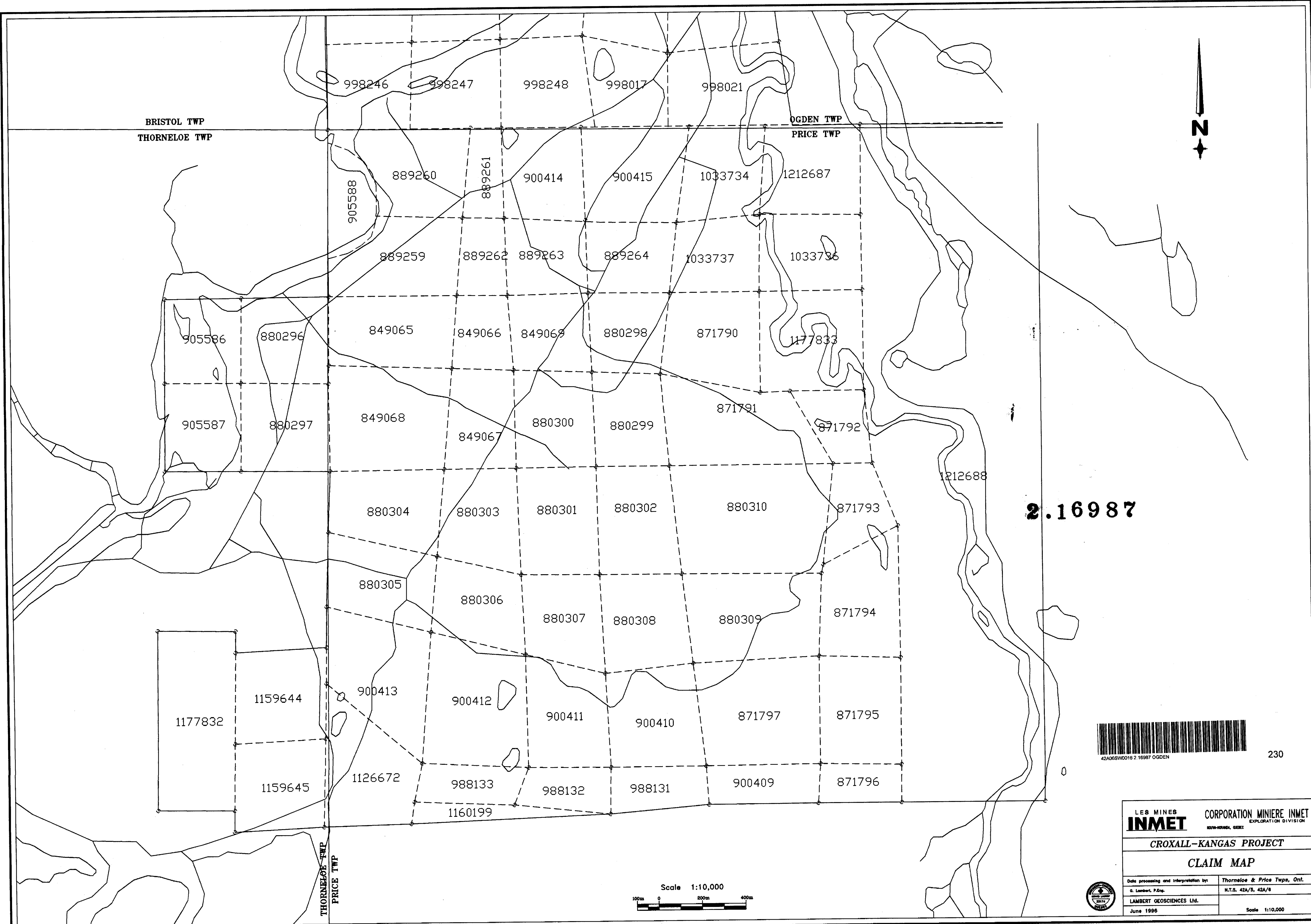
Data processing and interpretation by: **Thorne & Price Twps., Ont.**

G. Lambert, P.Eng. N.T.S. 42A/5, 42A/6

LAMBERT GEOSCIENCES Ltd. I.P. survey by: Remy Belanger

June 1996 Scale 1:5,000



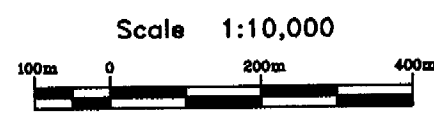


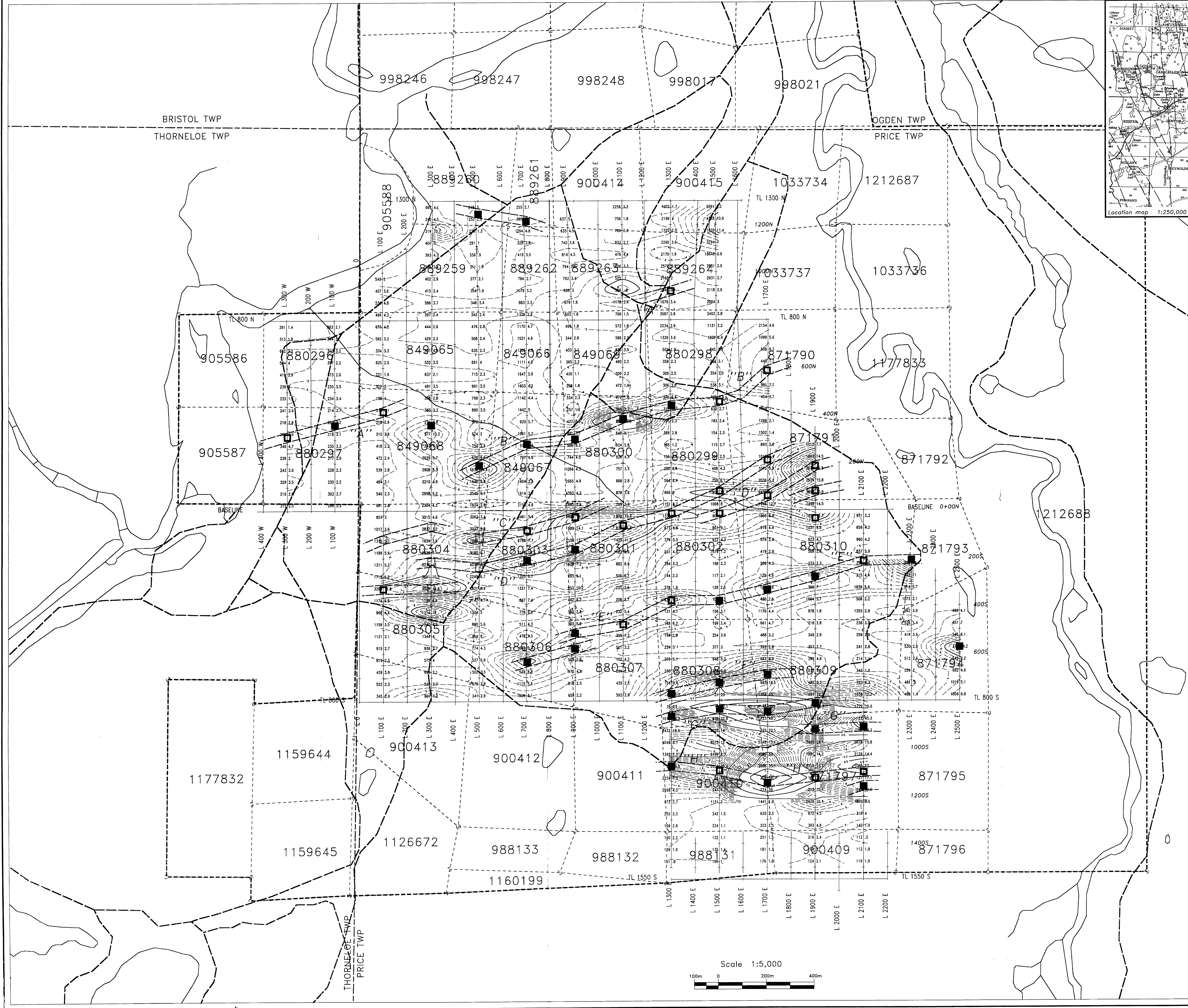
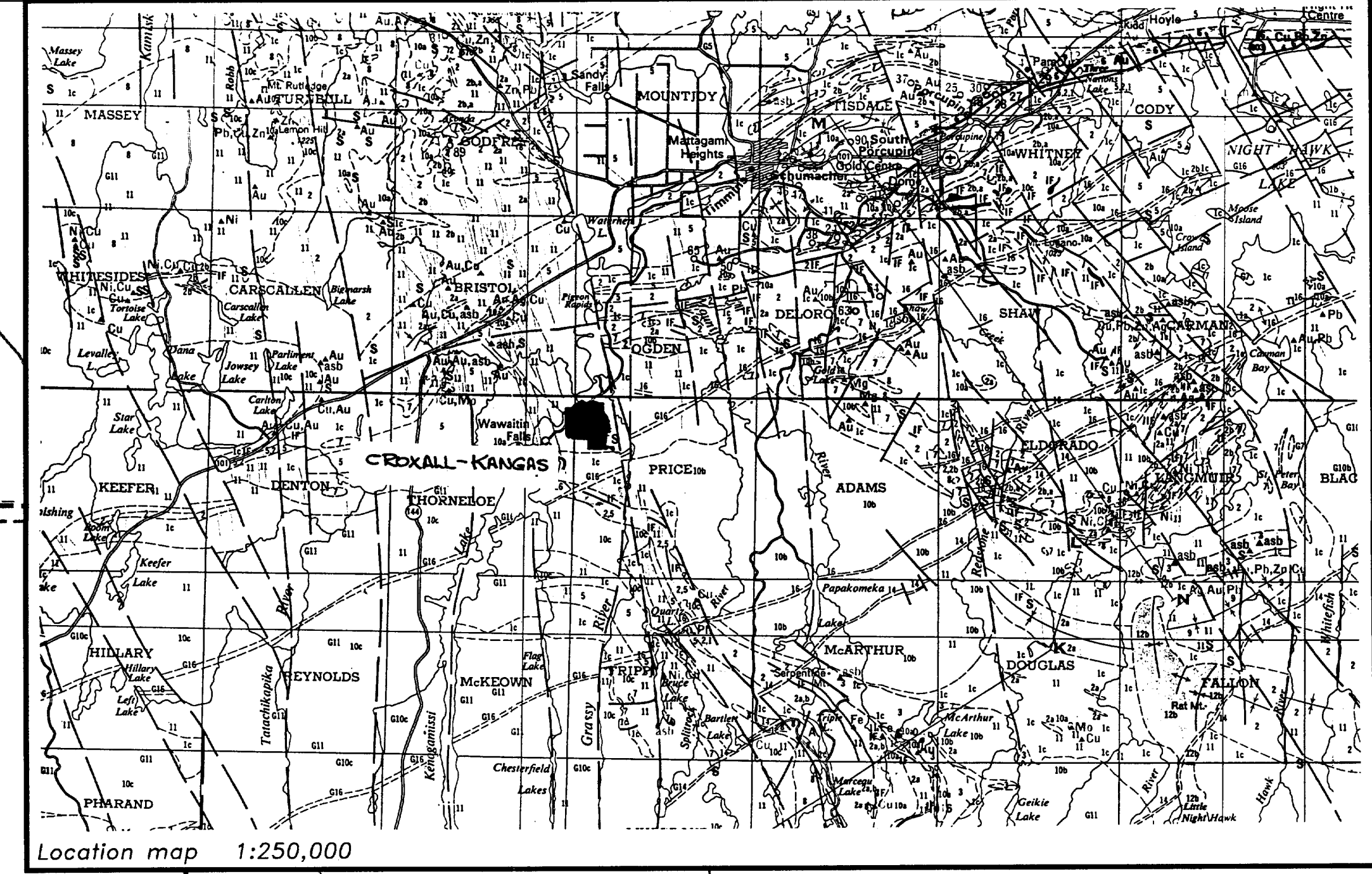
2.16987



230

LES MINES CORPORATION MINIERE INMET INMET	
1070-1070-00, 0002 CROXALL-KANGAS PROJECT	
CLAIM MAP	
Data processing and interpretation by: G. Lambert, P.Eng. LAMBERT GEOSCIENCES Ltd.	Thorneloe & Price Twps, Ont. N.T.S. 42A/5, 42A/6 Scale 1:10,000
June 1996	





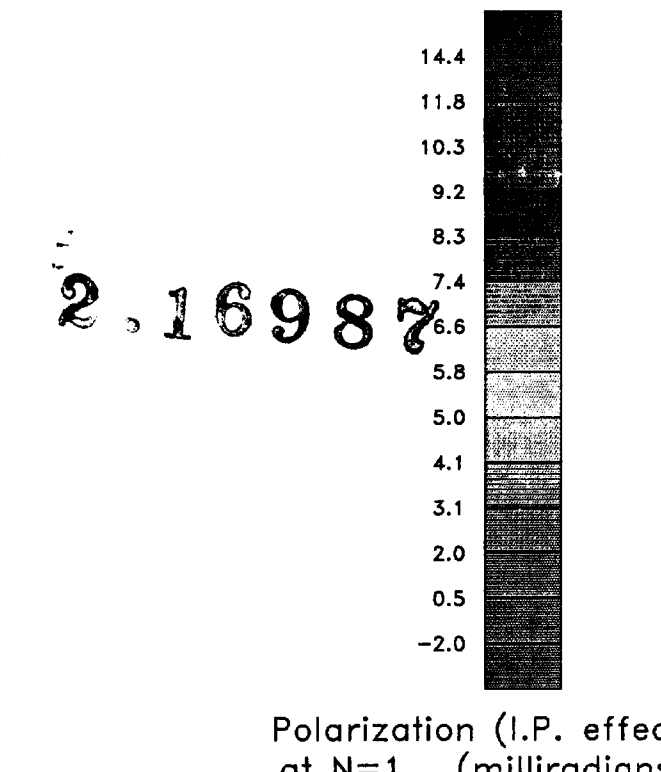
LEGEND

DIPOLE-DIPOLE ARRAY

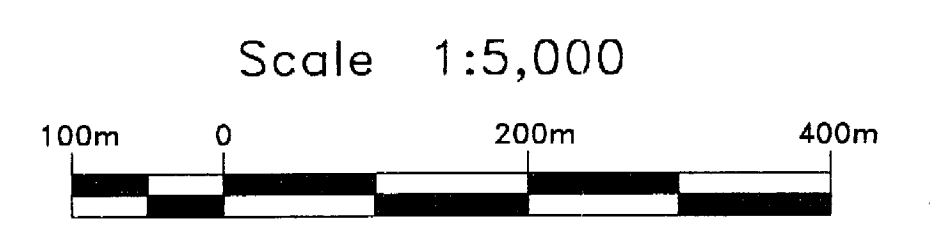
Instrument: Phoenix IPT-1 Tx, Turbo V-4 Rx
 Frequency: 1.0 Hz
 Operator: Remy Belanger
 I.P. survey by Remy Belanger
 June 1996

INTERPRETATION

- Polarization increase accompanied by a significant decrease of the apparent resistivity. Semi-conductive to massive sulphides, graphite. Normally will cause a conductor on an I.P. survey such as Maxmin or Japet.
- Polarization increase without any significant decrease of the apparent resistivity. Dispersed to stringer to semi-massive sulphides, disseminated graphite, magnetite-rich sulphides. Also altered, pyritized structures, chert, sandstone, water-saturated sandstone.
- Fairly defined polarization increase with no apparent resistivity signature. Small quantities of sulphides, narrow mineralized veins, sometimes sulfur readings due to contact potentials, cement, coal or carbonaceous rocks.



Polarization (I.P. effect) at N=1 (milliradians)



LES MINES INMET CORPORATION MINIERE INMET
 EXPLORATION DIVISION
 ROYAL-NORMANDIA, QUEBEC

CROXALL-KANGAS PROJECT

Induced Polarization Survey
 Contours of the polarization (I.P. effect)
 with the I.P. anomaly axes

Data processing and interpretation by:	Thorneloe & Price Twps, Ont.
G. Lambert, P.Eng.	N.T.S. 42A/5, 42A/6
LAMBERT GEOSCIENCES Ltd.	I.P. survey by Remy Belanger
June 1996	Scale 1:5,000

