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Consultation et génie-conseil en géophysique.

LES MINES
INMET

INMET MINING CORPORATION

SWAYZE PROPERTIES

Coppell & Dore Townships, Ontario

N.T.S. 41 O/16

Report on Induced Polarization surveys

Rouyn-Noranda, Québec
December 16, 1996

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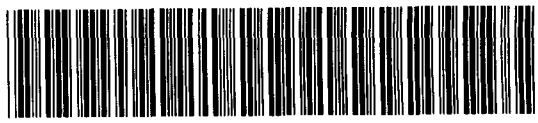

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	Scale
Resistivity / I.P. pseudo-sections	1:5,000
Apparent resistivity contour maps with I.P. anomalies superimposed	1:10,000
Polarization (I.P.) contour maps with I.P. anomalies superimposed	1:10,000

Introduction

During the month of October 1996, ground geophysical investigations, consisting namely in reconnaissance **Induced Polarization (I.P.)** surveys, were carried out on parts of the SWAYZE PROPERTIES for **Inmet Mining Corporation Inc**.

The purpose of these surveys was to provide additional geoscientific information about the underlying lithologies and to map with a better accuracy the distribution of disseminated and stringer sulfides in the bedrock, these sulfides being potentially of economic interest if they are found to carry significant concentrations of **base** and/or **precious** metals. Considering the relative paucity of bedrock exposure and the only partial I.P. survey coverage from past geophysical work (July 1996), the present I.P. surveys were also meant to complement the geophysical investigations in the property area.

This report describes the work done and discusses the results obtained 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 **SWAYZE PROPERTIES** claim block occupies the southern half of COPPELL township and the northern half of DORE township, in northeastern Ontario. The center of the claim block is situated at about 110 km to the southwest of the mining town of **Timmins** and 200 km to the northwest of **Sudbury**. The property is easily accessible by vehicle, using secondary logging roads leading east and west of the **Foleyet Timber Road**, itself leading south from highway 101, immediately east of Foleyet. Please refer to Figures 1. and 2., next pages, showing location maps of the property, at scales 1:1,725,000 and 1:250,000, respectively.

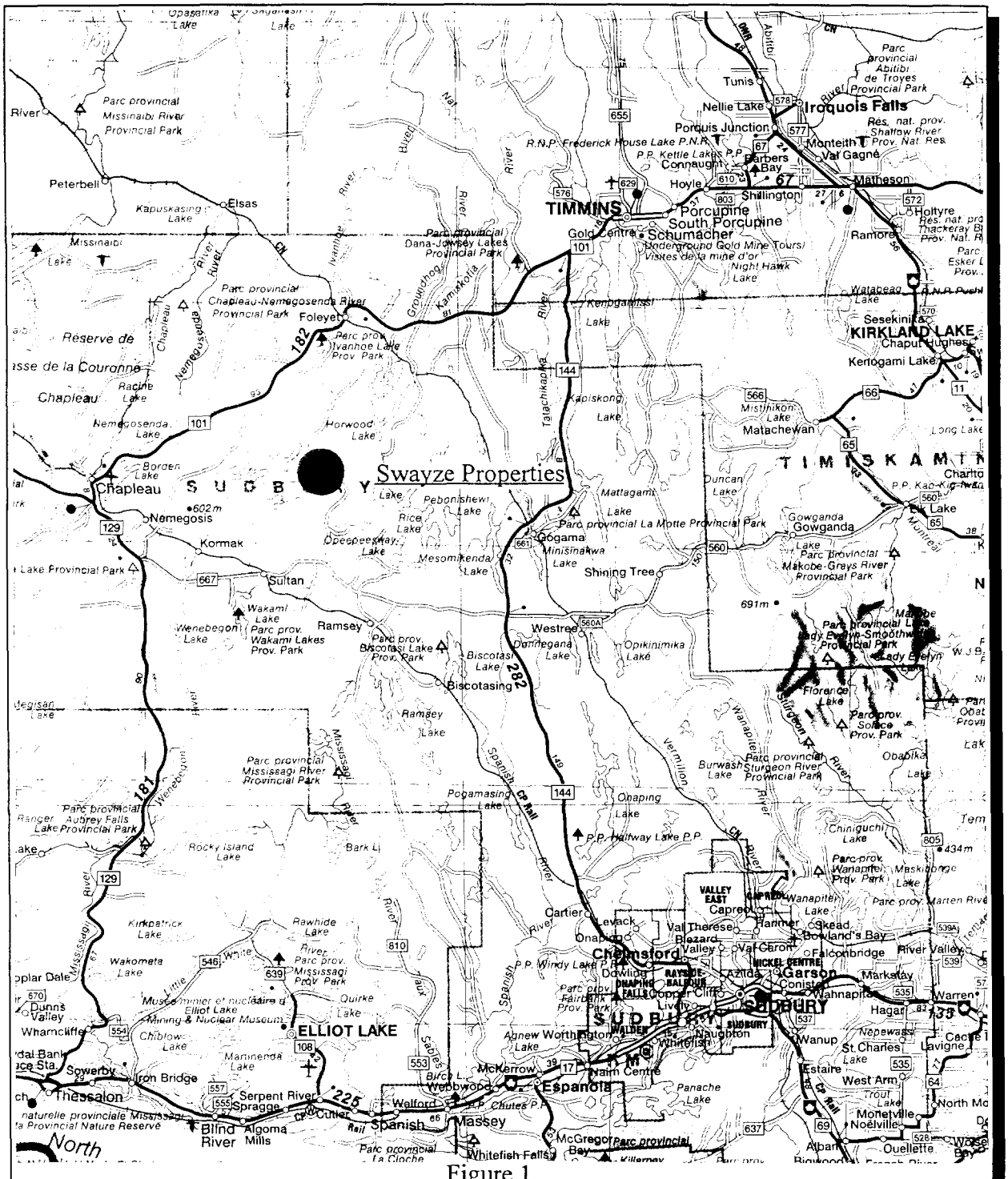

Figure 1.

Swayze Properties, Location map Scale 1:1,725,000

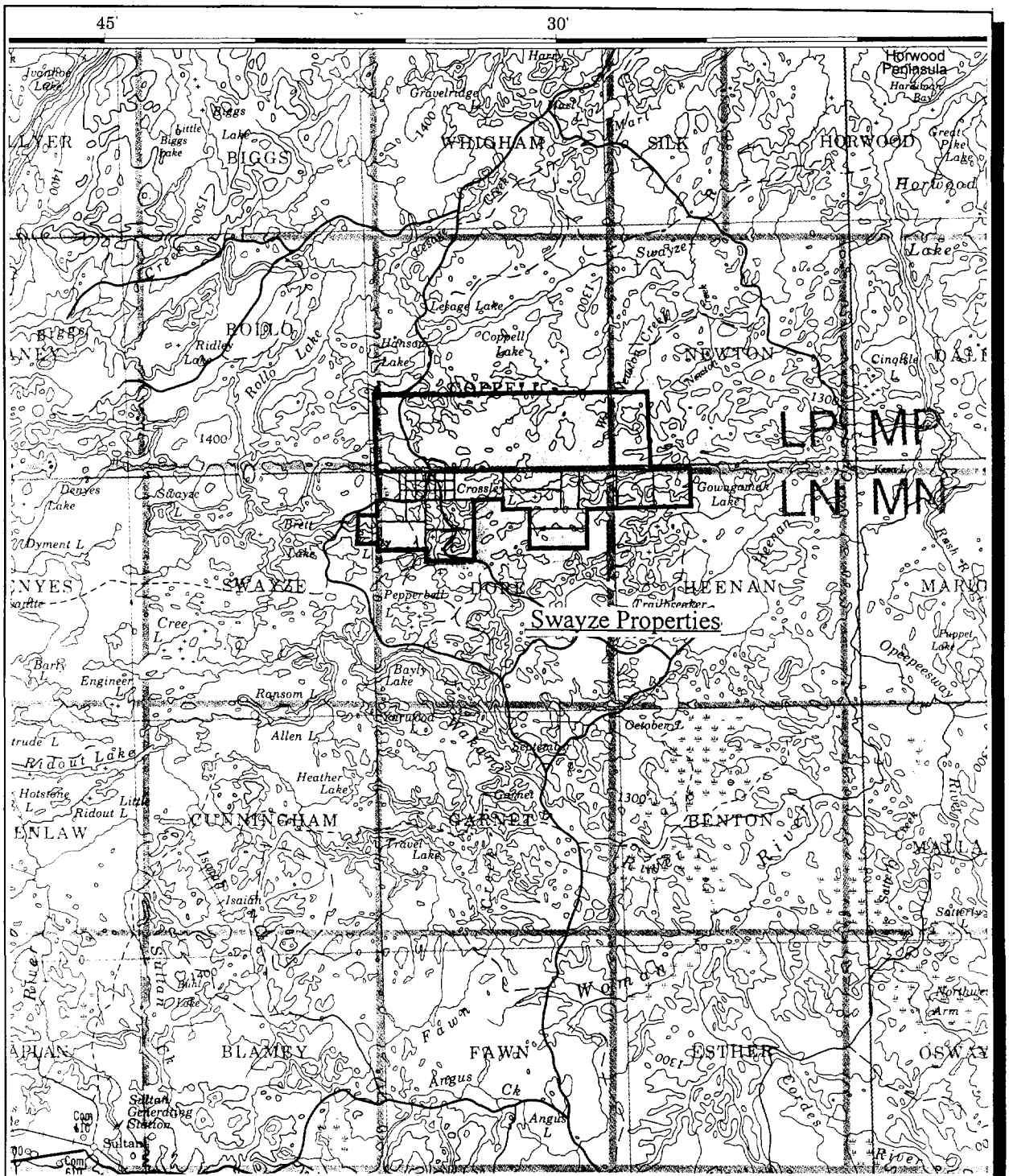

Figure 2.

Swayze Properties, Location map Scale 1:250,000 (NTS 41-O)

The **SWAYZE PROPERTIES** consists of several contiguous unpatented mining claims situated mostly in Coppell and Dore Townships, with some claims in Swayze, Newton and Heenan Twps. The I.P. compilation maps appended to this report show the claim boundaries, claim lines and the claim numbers.

The present I.P. surveys covered about one third of the property's entire surface, whereas the sum of all the I.P. surveys to date (July and October 1996) covers almost half of the total surface of the properties.

Description of the I.P. surveys

The surveys were carried out over a grid of previously cut lines oriented at 000°, spaced every 250 meters and chained every 25 meters. The grid is controlled by base line 0+00mN (Azimuth 090° true) and tie lines 22+50mN, 12+50mN, 8+50mS, 14+00mS, 20+00mS, 32+50mS and 40+00mS. The I.P. survey was conducted over selected portions of the property, between L-14+12mW and L-97+50mE.

The I.P. survey was carried out 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 **46.7 line-km** of I.P. data was thus gathered by operator Rémy Bélanger.

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 polarizability 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 1:10,000, 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 method is probably the best geophysical prospecting tool when investigating for base or precious metals in geological environments such as the Swayze property area. The I.P. technique is capable of mapping most types of metallic sulfides, even when they do not conduct, which is often the case with structure-hosted gold mineralization associated with disseminated and stringer sulfides in fractures. Furthermore, the I.P. technique can also discriminate between "poor" conductors associated with ***electrolytic conductivity*** such as porous shear zones and overburden depressions, and "poor" conductors caused by low-conductivity ***metallic mineralization***, such as stringer sulfides and sphalerite-rich sulfides. It is occasionally hampered by conductive cover such as lacustrine clays, when present.

In this particular case a 50-meter dipole dimension was chosen because of 1°) its capability to penetrate both conductive surficial material and resistive glacial outwash composed of sand and gravel overlying the basement, 2°) the desire to detect sulphide-mineralized zones at depth, and 3°) the need for outlining potentially wide sulphide-bearing mineralized zones. With the n=6 expanders and the 50m spreads the survey should be able to successfully detect sulphide mineralization in the bedrock, to depths in excess of 90 meters.

The 1:10,000 scale compilation maps in the appendix show the results of this phase (October) of I.P. surveys, whereas the smaller 1:33,333 scale maps show the compilation of both July and October I.P. survey results.

- ***Resistivity***

The resistivity pattern, as shown on the n=1 apparent resistivity contour map, provides a very faithful image of the relief of the bedrock surface. It can be observed that most of the survey area is characterized by relatively high apparent resistivities, a sure sign that the surface of overburden cover is limited. The high resistivity (> 10,000 ohm-meters) areas are most probably associated with **areas of thin overburden**, (bedrock ridges and subcrops). Quite often also, these high resistivity zones can help outline harder, felsic rocks or altered (silica and/or carbonates) horizons. These high resistivity zones, whose total surface cover more than half of the survey area, should 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 structural fabric of the area.

The low-resistivity (< 1,000 ohm-meters) domains define areas where the water-soaked overburden layer probably thickens significantly, possibly up to 25-40 meters in the areas of lowest resistivity. Also quite commonly in the Abitibi greenstone belt, low-resistivity lineaments are found to be associated with major bedrock structures such as shear zones and fracturation planes. The apparent resistivity contour map reveals the presence of a fair number of similar low-resistivity lineaments whose orientation varies between 120° in the west, 090° in the center, and 070° in the east.

Furthermore, a number of low-resistivity trends are likely attributable to significant **bedrock conductivity** associated with conductive metallic sulfides or graphite and where coincident strong I.P. anomalies are observed (see I.P. maps and pseudo-sections).

- ***Polarization***

The polarization (phase I.P.) measurements show the presence of several linear zones characterized by an increased I.P. effect.

The I.P. background level varies significantly over the survey area, and these variations occasionally relate with the resistivity changes associated with the bedrock relief. The polarization contour map shows the distribution of the I.P. patterns and the strength of the I.P. responses.

The I.P. anomaly compilation map also shows the relationship between the July survey and this survey. The lateral continuity between the existing anomalies and the new anomalies is quite good. The dominant strike direction of the I.P. anomalies is east-west, with variation of ±20° on either side.

Referring to the polarization contour map and the accompanying legend, the I.P. anomalies were classified according to their "strength" (i.e. the massiveness of the causative metallic material) and their definition (a well-defined I.P. anomaly is one which displays a clear, unambiguous triangular shape on a pseudo-section), as well as according to the behavior of the apparent resistivity. Conductive, semi-massive and massive metallic mineralization will typically cause a decrease in the resistivity in addition to a strong I.P. anomaly. The symbols used in the interpretation of the data are explained on the compilation maps and on the pseudo-sections.

At least one-third of the I.P. anomalies have an associated apparent resistivity decrease and therefore can be interpreted to be caused by conductive metallic mineralization in the bedrock. Since they can easily be observed at N=1, 2 or 3, all the interpreted anomalies have causes situated at depths not exceeding 40 to 50 meters below ground surface.

Some of the shallowest sources (those strong I.P. anomalies at N=1) may even be explained by surface prospecting and this is certainly a possibility to keep in mind when planning further exploration on the properties.

Conclusion and recommendations

The Induced Polarization surveys which were recently completed on the **SWAYZE PROPERTIES** property for **Inmet Mining Corporation Inc.** have successfully defined several zones of increased I.P. effect presumably not known to date, a few of which are interpreted to be quite "strong" and situated at relatively shallow depths, but the majority 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 one is exploring for gold. But it is highly probable that the "strongest" I.P. anomalies (particularly those identified with black-filled or thick-walled squares on the maps) will be caused by semi-massive to massive ***metallic*** mineralization such as graphite or pyrite (with possibly accessory pyrrhotite or sphalerite) in the bedrock, at depths of no more that 50 meters below ground surface.

All the I.P. responses certainly deserve further investigation by means of surface exploration or by diamond drilling, aiming at intersecting the mineralized units at 75 meters below surface. The choice of priorities will however require some input from other sources of geoscientific information, such as airborne and ground magnetic maps, compilations of past work, presence of nearby showings and mineralized intersections, as well as an analysis of the magnetic relief and resistivity trends in conjunction with a regional geological and structural compilation.

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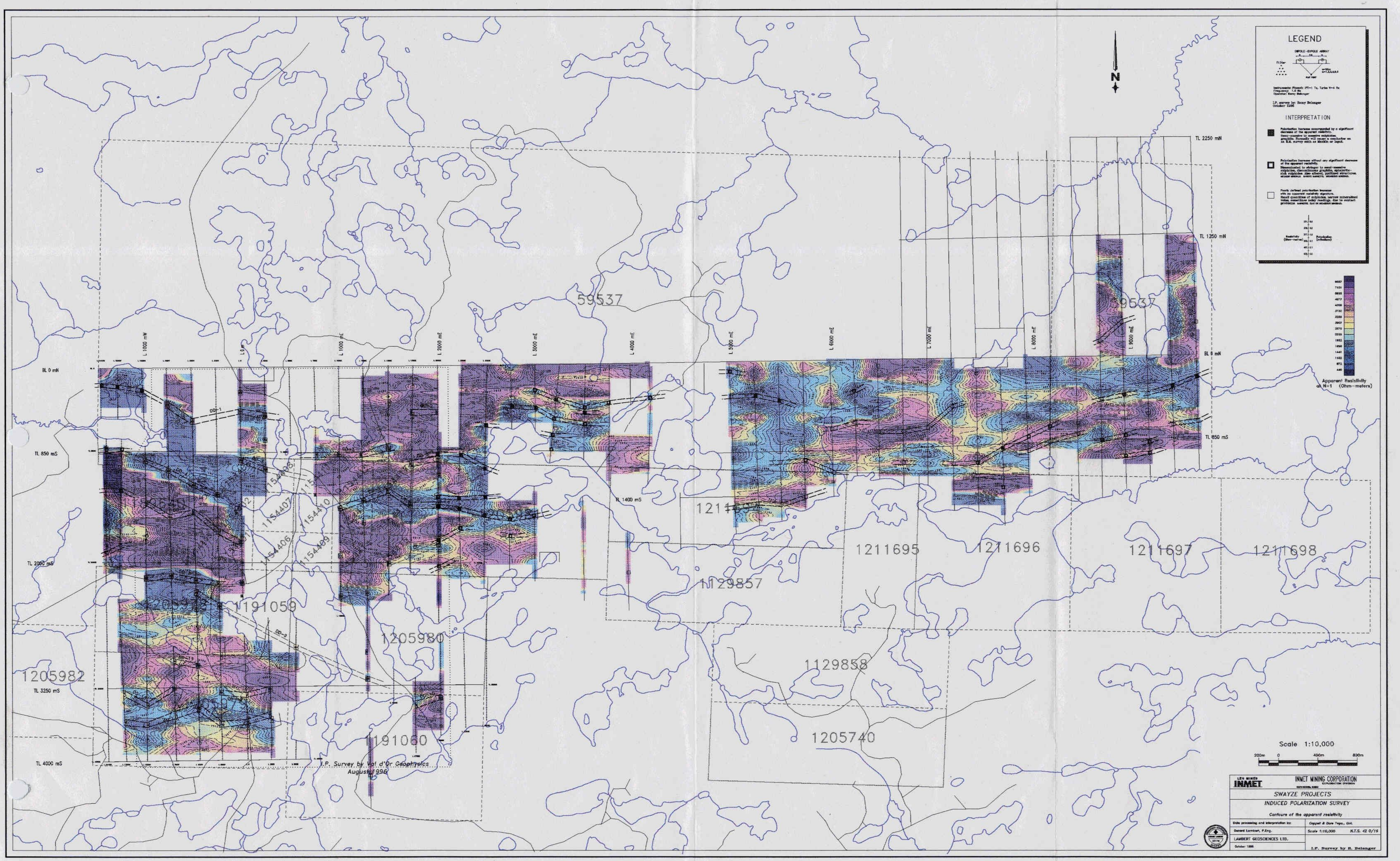

LEGEND
INTERPRETATION
N
TL 2250 mN
TL 1250 mN
BL 0 mN
TL 850 mS
TL 1400 mS
TL 2000 mS
TL 3250 mS
TL 4000 mS
L 1000 mW
L 0
L 1000 mE
L 2000 mE
L 3000 mE
L 4000 mE
L 5000 mE
L 6000 mE
L 7000 mE
L 8000 mE
L 9000 mE
DD-1
DD-2
59537
1205982
1191059
1205980
1191060
1129857
1129858
1205740
1211695
1211696
1211697
1211698
Apparent Resistivity at N=1 (Ohm-meters)
I.P. Survey by Val d'Or Geophysics August 1996
Scale 1:10,000
200m
0
400m
800m
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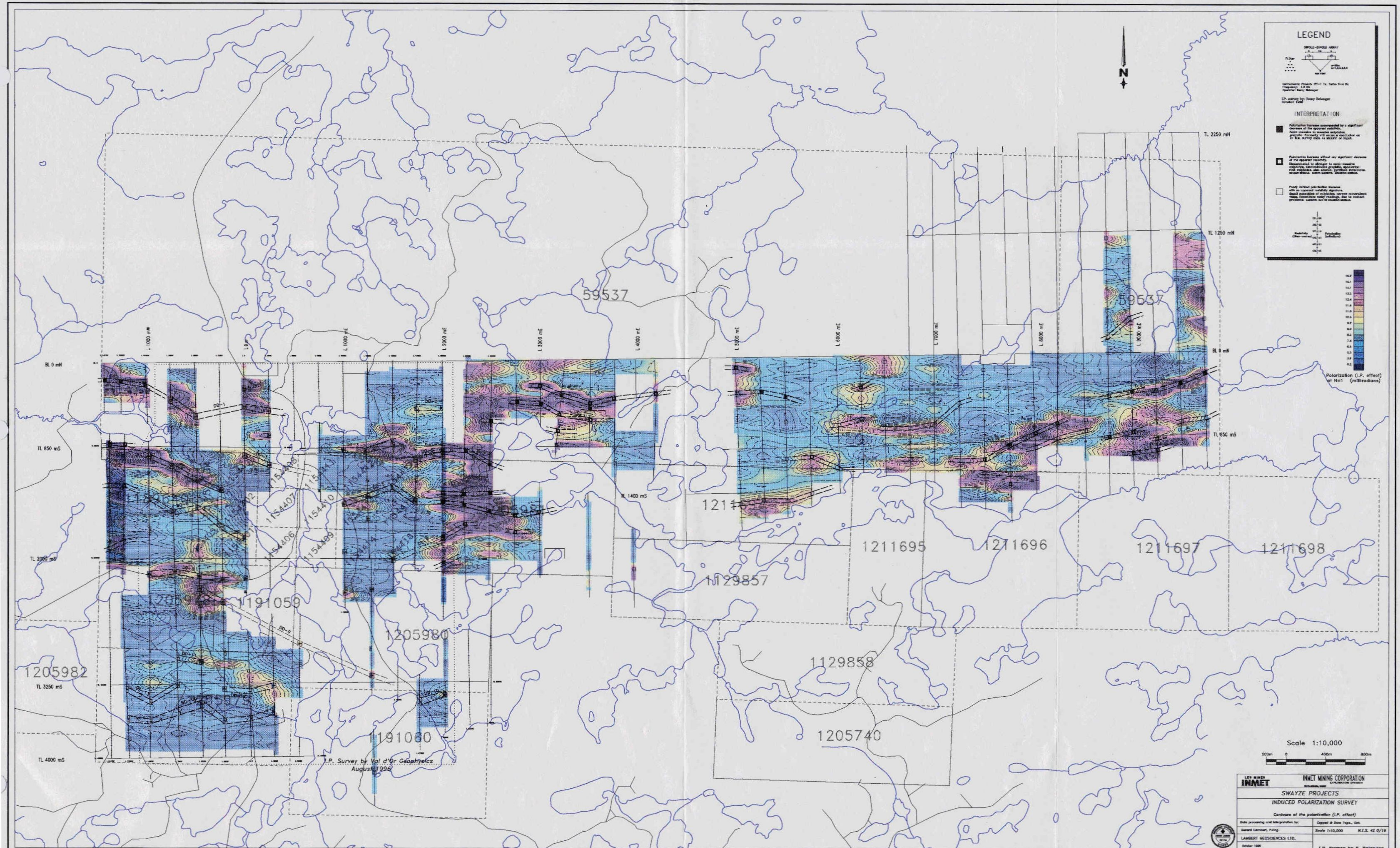
INMET MINING CORPORATION
EXPLORATION DIVISION
SWAYZE PROJECTS
INDUCED POLARIZATION SURVEY
Contours of the apparent resistivity
Data processing and interpretation by:
Gerard Lambert, P.Eng.
LAMBERT GEOSCIENCES LTD.
October 1996
Coppell & Dore Twps., Ont.
Scale 1:10,000
N.T.S. 42 O/16
I.P. Survey by R. Belanger


LEGEND
INTERPRETATION
N
TL 2250 mN
TL 1250 mN
BL 0 mN
TL 850 mS
TL 2000 mS
TL 3250 mS
TL 4000 mS
TL 1400 mS
L 1000 mW
L 0
L 1000 mE
L 2000 mE
L 3000 mE
L 4000 mE
L 5000 mE
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L 7000 mE
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L 9000 mE
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1205980
1205982
1191059
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1154407
1154410
1154406
1154409
I.P. Survey by Val d'Or Geophysics
August 1996
Polarization (I.P. effect) at N=1 (milliradians)
Scale 1:10,000
200m
0
400m
800m
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INMET MINING CORPORATION
SWAYZE PROJECTS
INDUCED POLARIZATION SURVEY
Contours of the polarization (I.P. effect)
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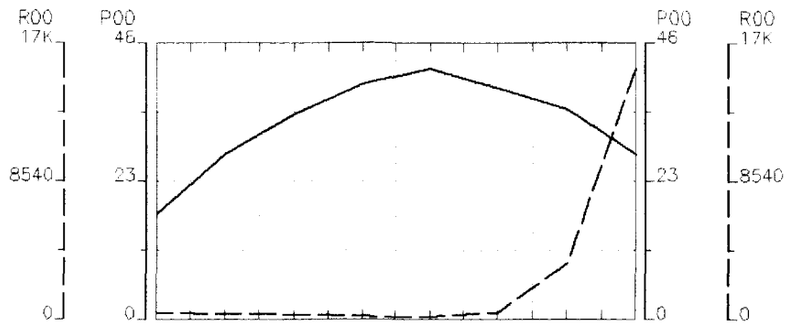
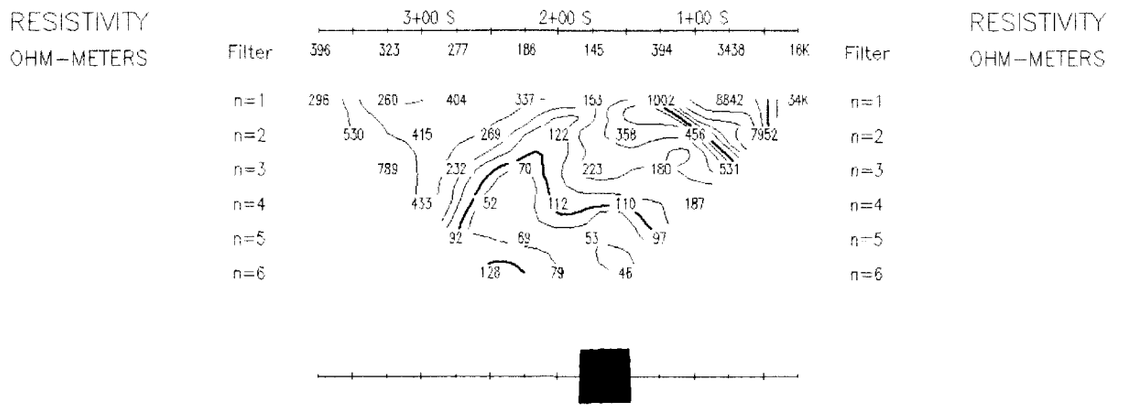
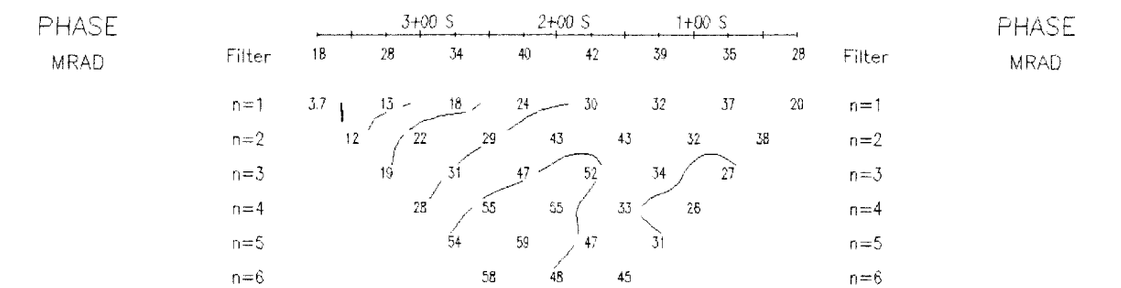
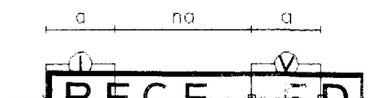






Line 1412 W

Dipole-Dipole Array



2.17226

Filter

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a = 50.0 M

plot point

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.

Scale 1:5000

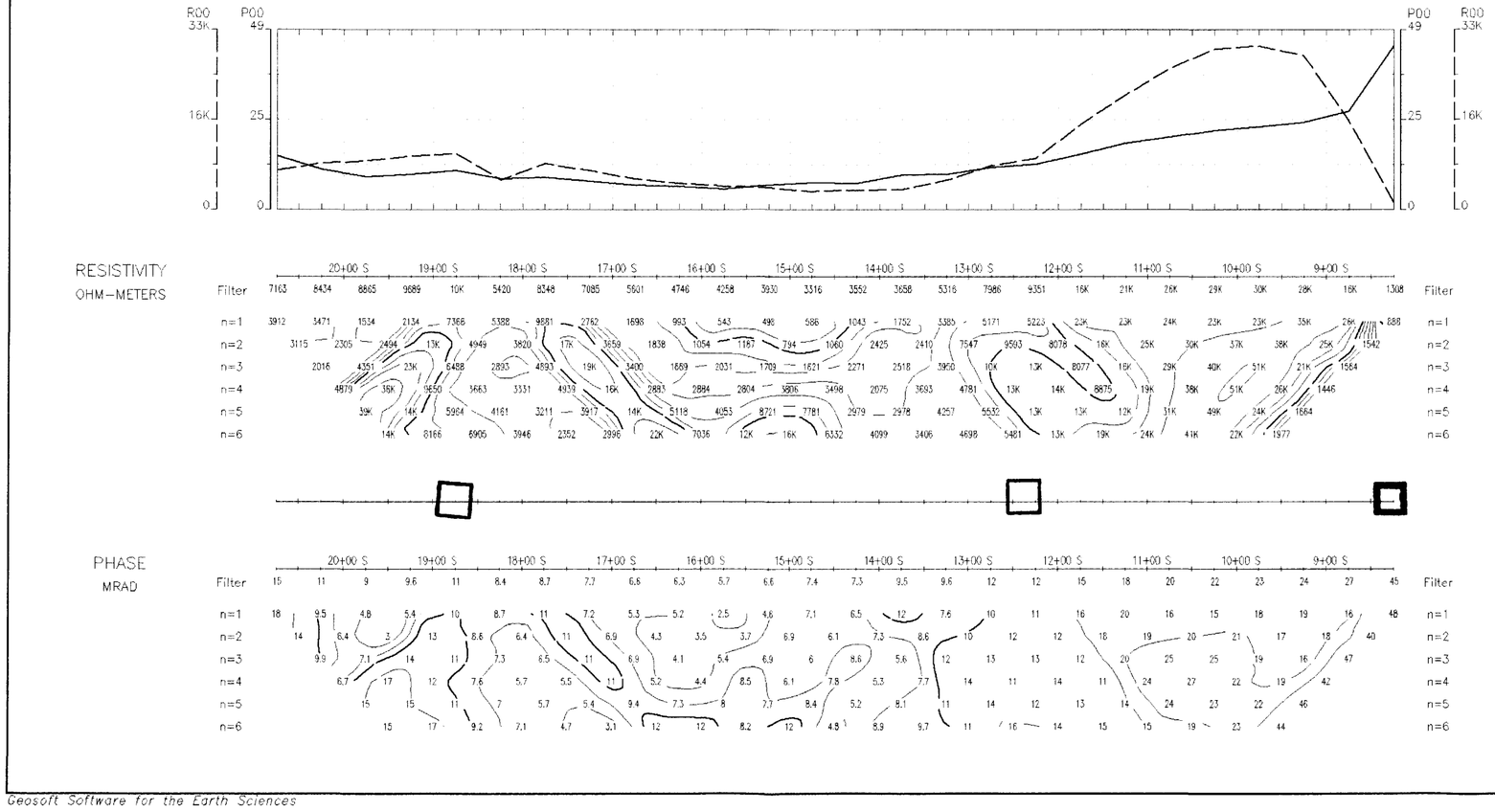
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

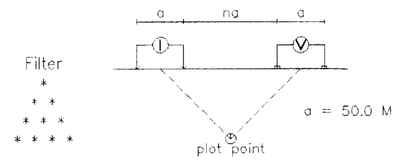
Date: 96/10/17
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Line 1412 W

Dipole-Dipole Array



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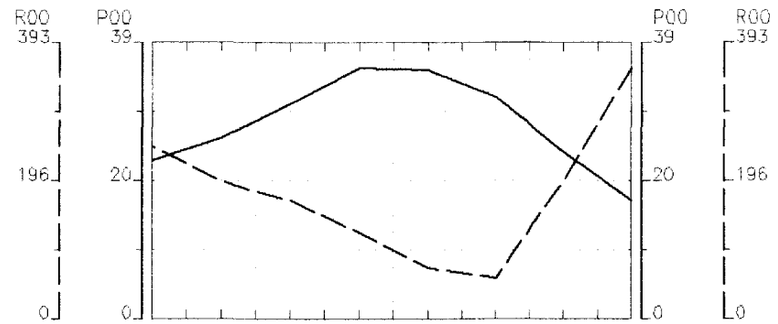

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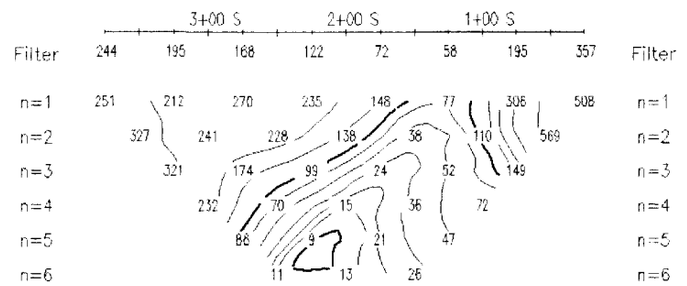
OHM-METERS



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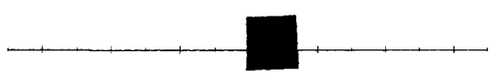

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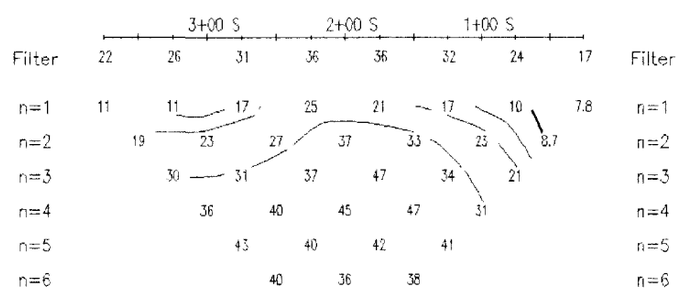
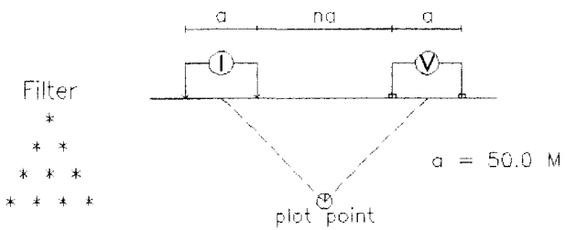


PHASE
MRAD

Line 1250 W

Dipole-Dipole Array



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

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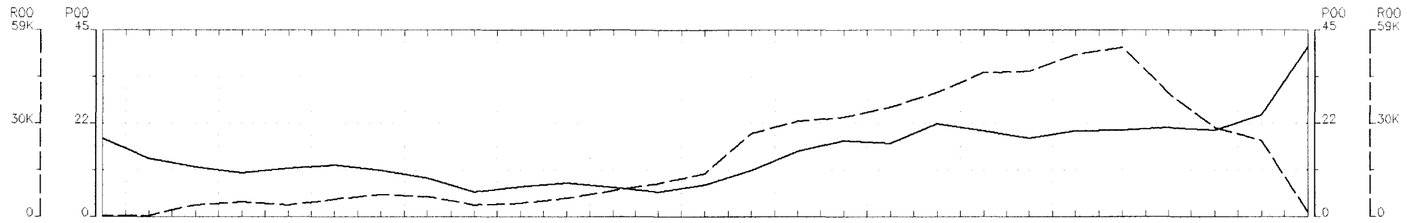
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/17
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



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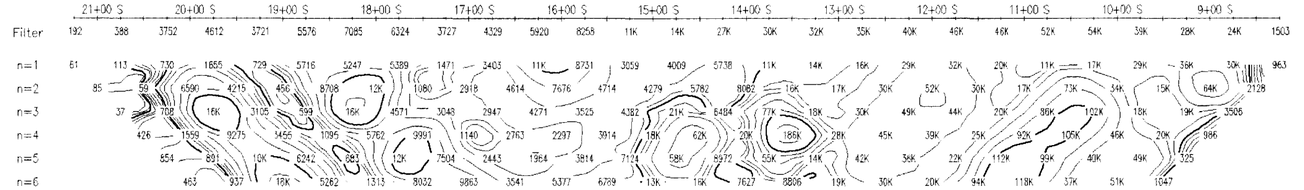
OHM-METERS



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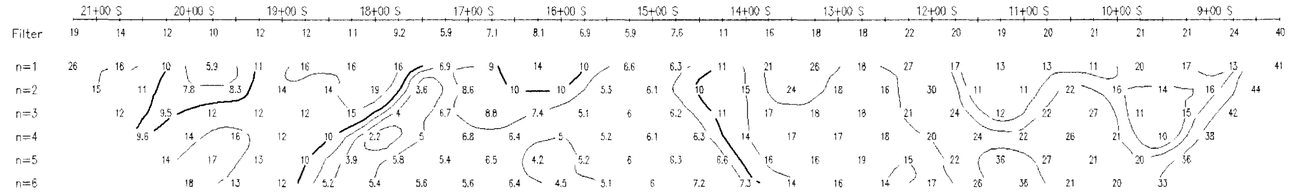
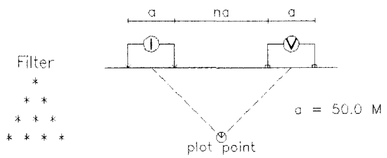


PHASE
MRAD

Line 1250 W

Dipole-Dipole Array



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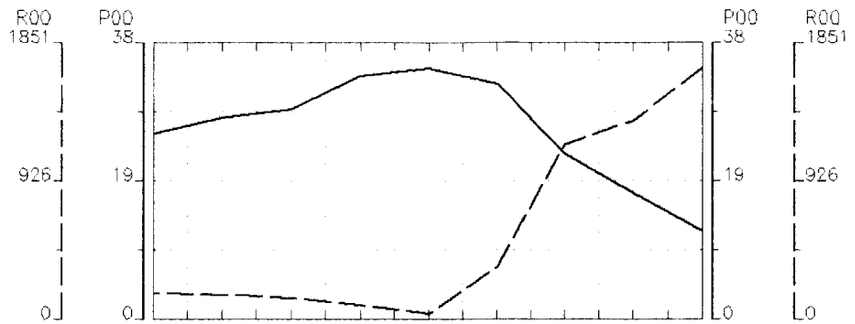

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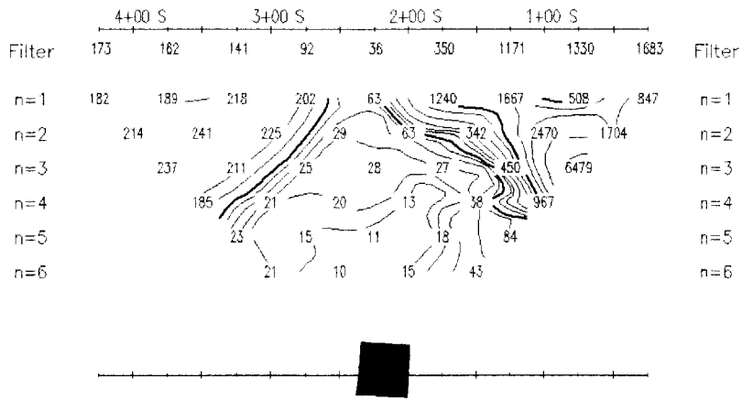

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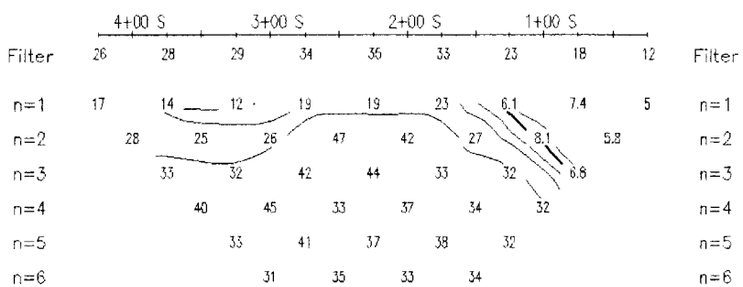
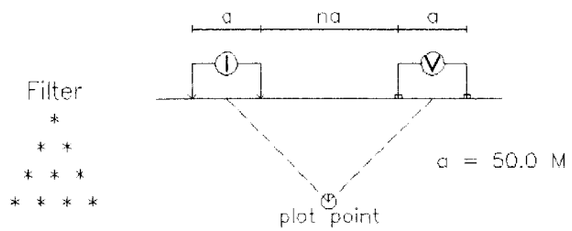


PHASE
MRAD

Line 1000 W

Dipole-Dipole Array



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(metres)

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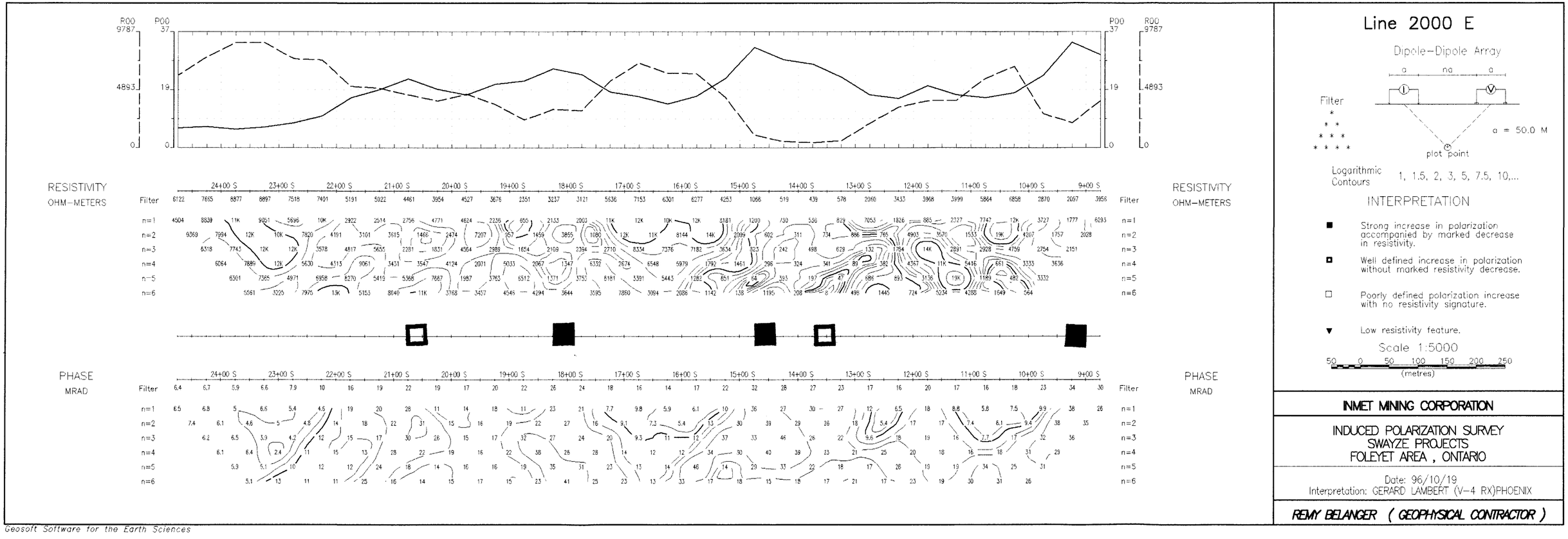
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/17
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Line 2000 E

Dipole-Dipole Array

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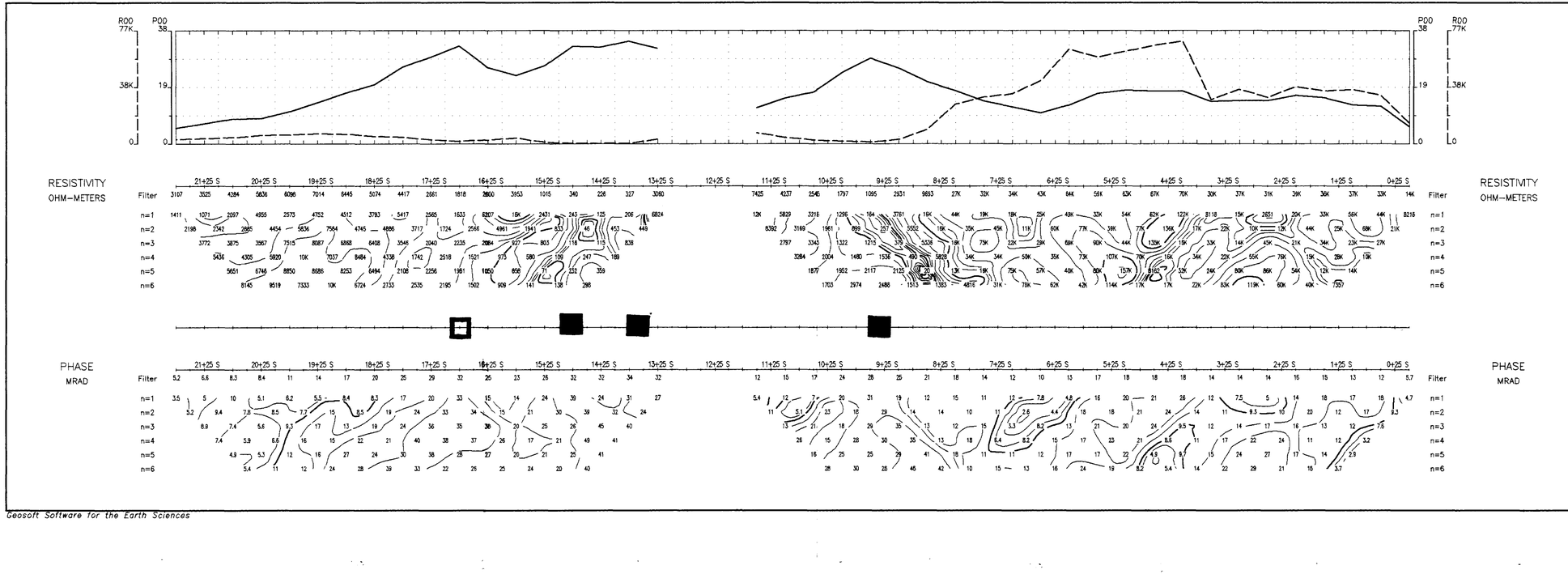
Date: 96/10/19
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

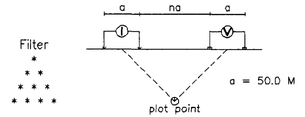
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Geosoft Software for the Earth Sciences



Line 2250 E

Dipole-Dipole Array



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.

Scale 1:5000

50 0 50 100 150 200 250
(metres)

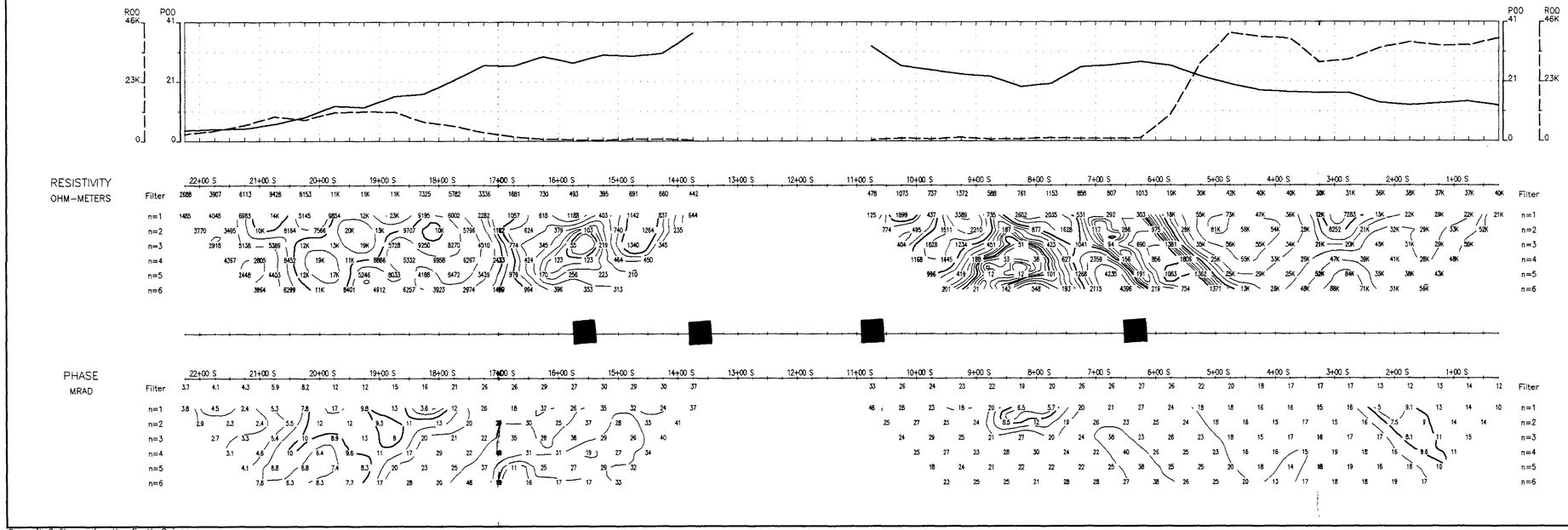
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/20
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

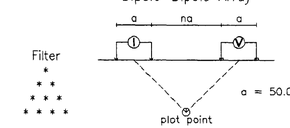
Geosoft Software for the Earth Sciences



Geosoft Software for the Earth Sciences

Line 2500 E

Dipole-Dipole Array



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.

Scale 1:5000

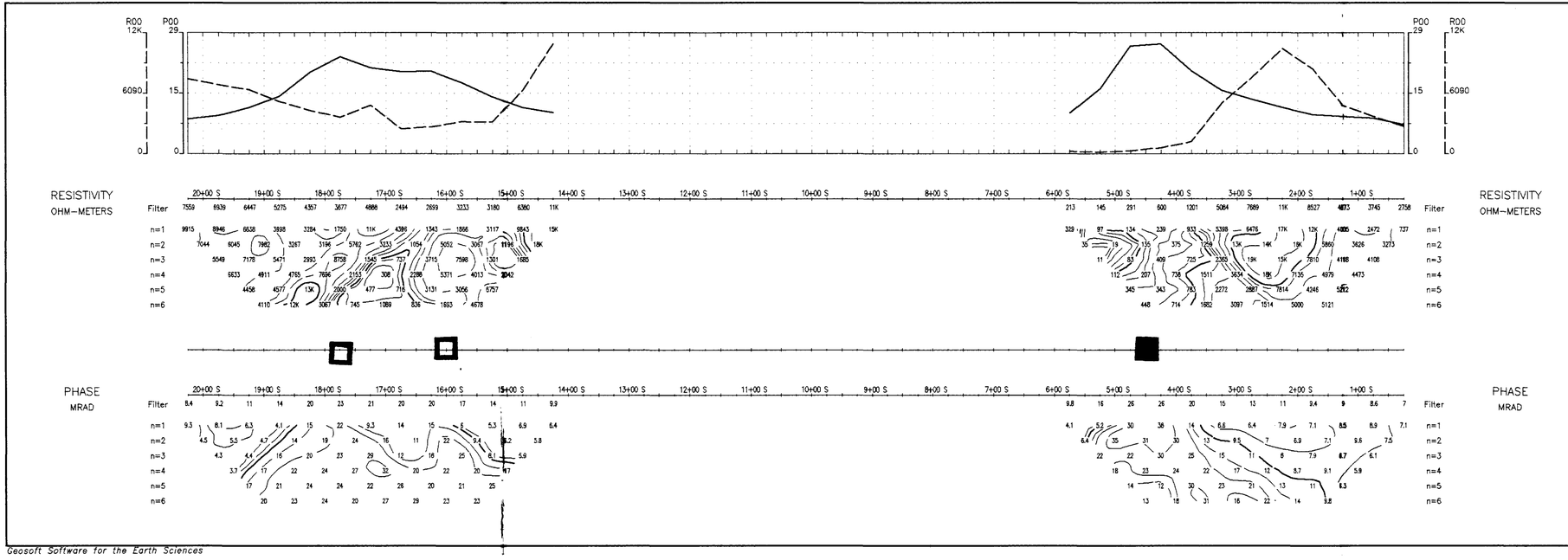
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/20
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

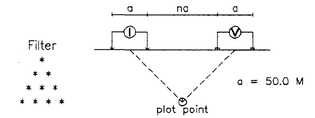
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 2750 E

Dipole-Dipole Array



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.

Scale 1:5000

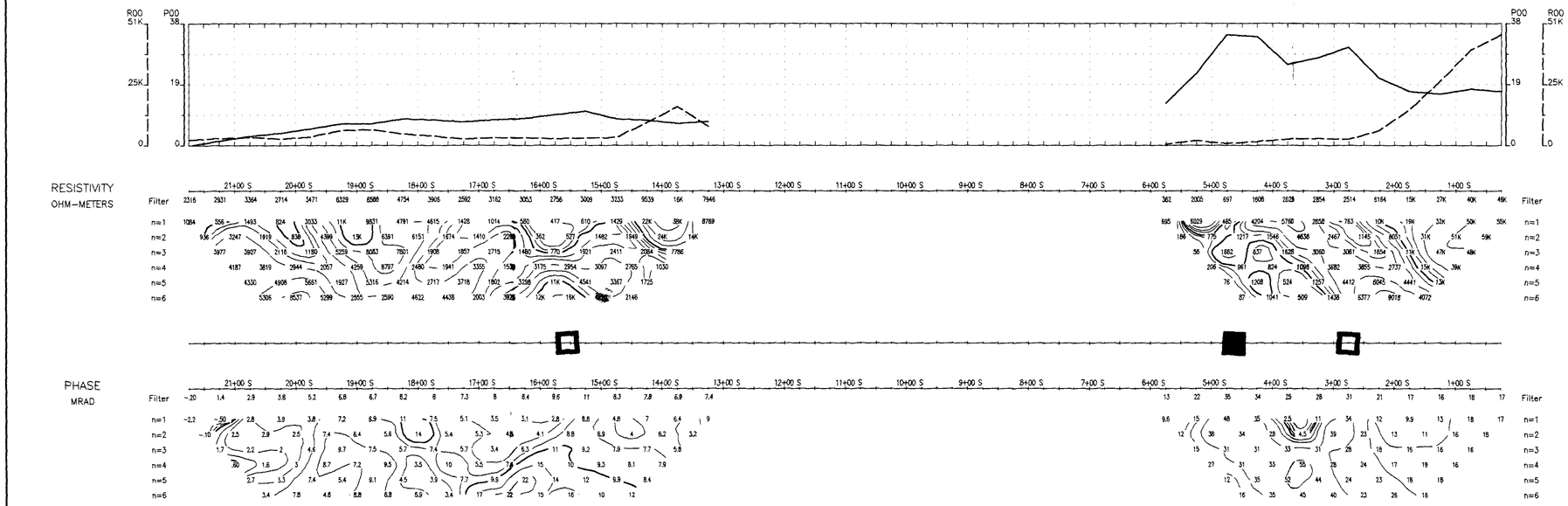
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/20
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

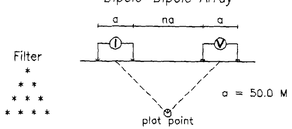
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 3000 E

Dipole-Dipole Array



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.

Scale 1:5000

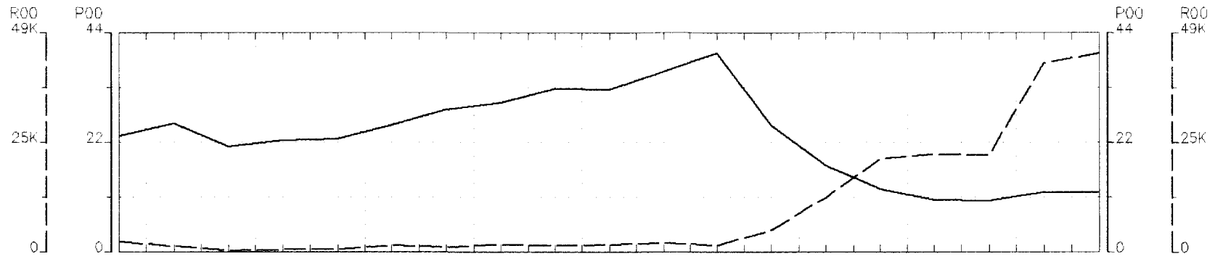
50 0 50 100 150 200 250 (metres)

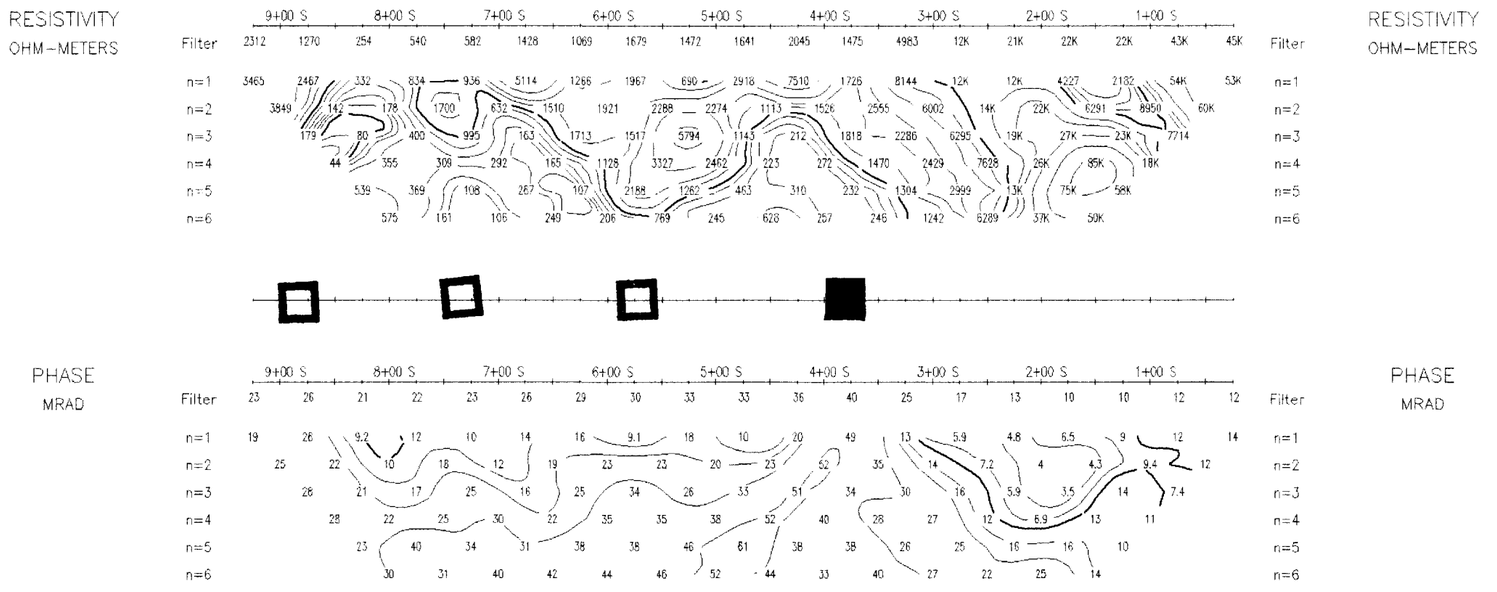
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA, ONTARIO

Date: 96/10/21
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

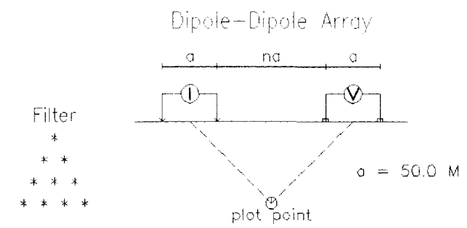
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 3250 E

Dipole-Dipole Array



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.

Scale 1:5000

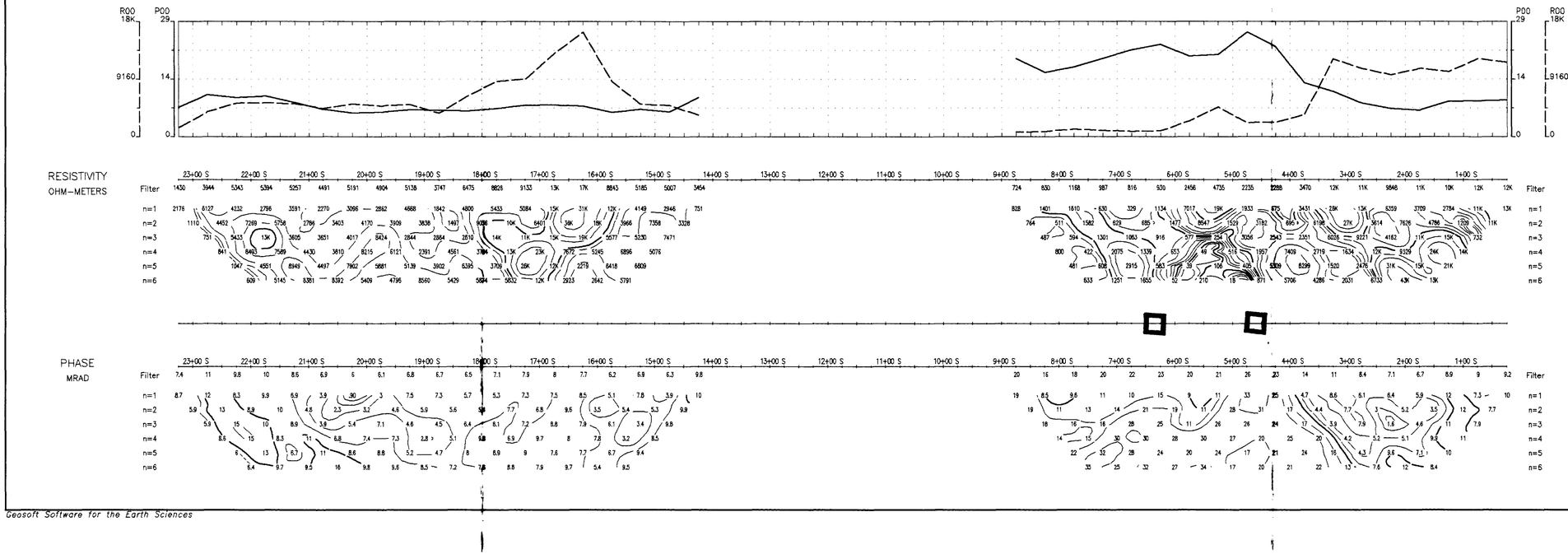
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/21
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

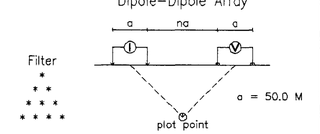
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 3500 E

Dipole-Dipole Array



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.

Scale 1:5000

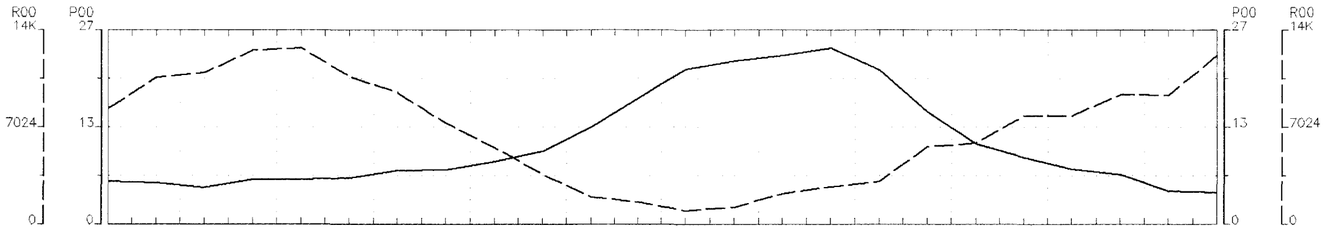
50 0 50 100 150 200 250
(metres)

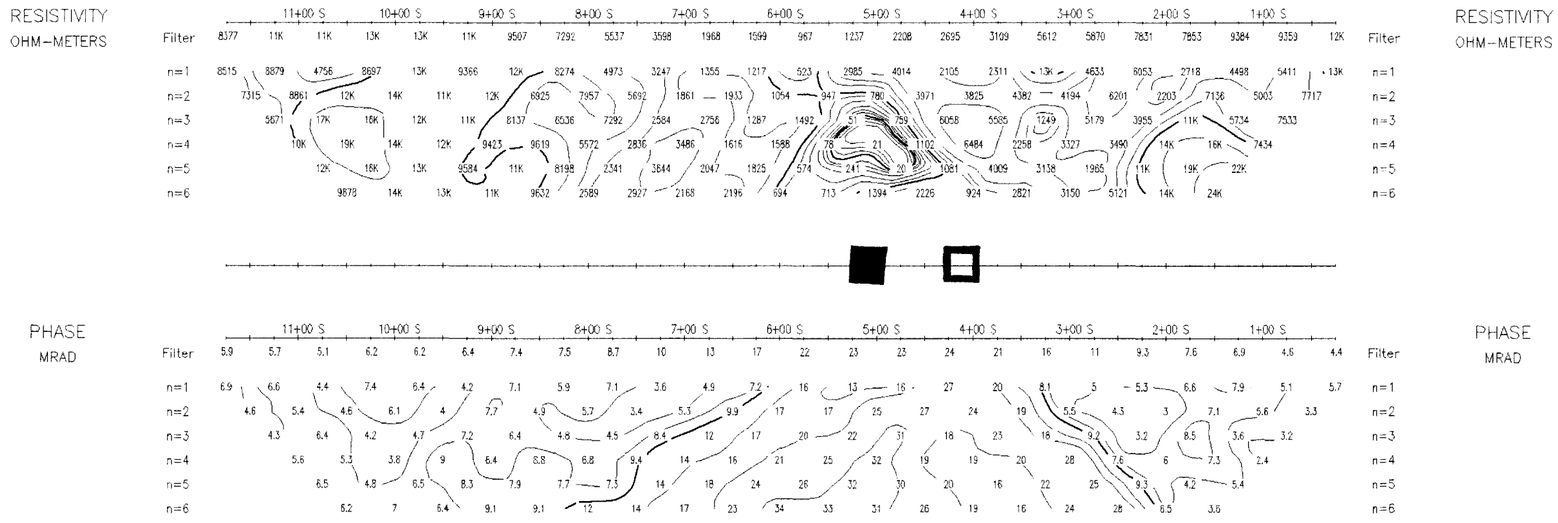
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/21
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

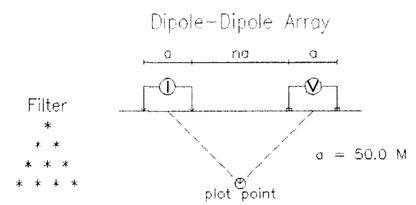
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 3750 E

Dipole-Dipole Array



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.

Scale 1:5000

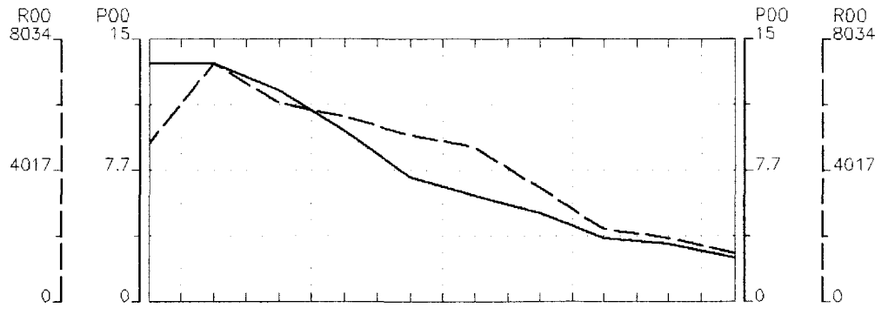
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

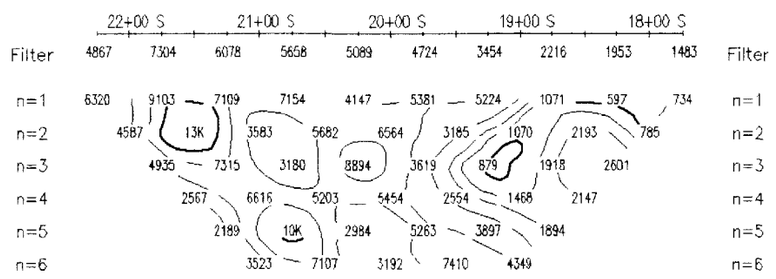
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/22
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

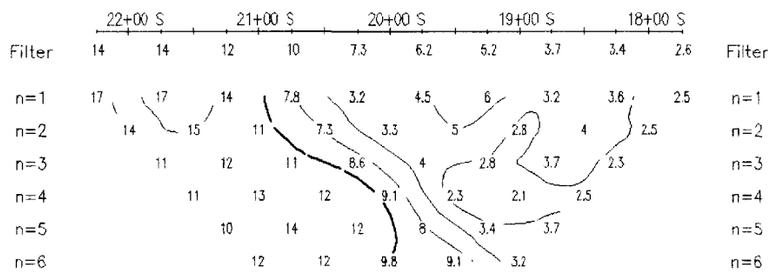


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

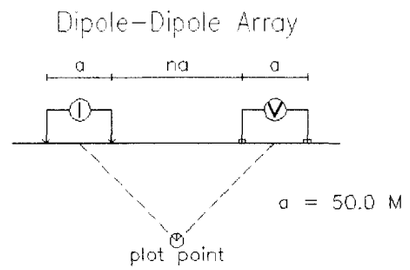
PHASE
MRAD



PHASE
MRAD

Line 3925 E

Dipole-Dipole Array



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.

Scale 1:5000

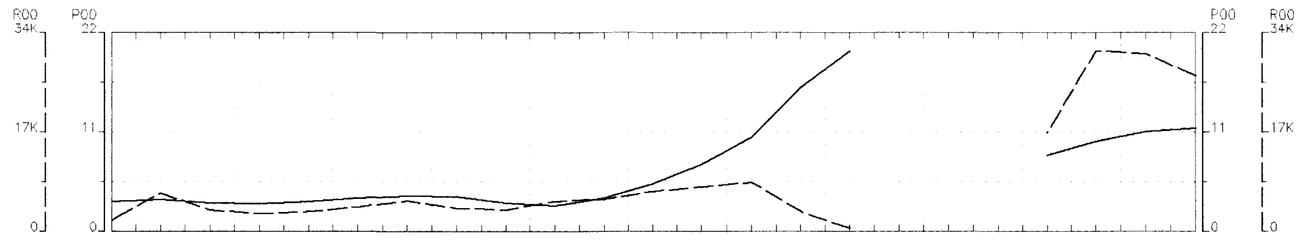
50 0 50 100 150 200 250
(metres)

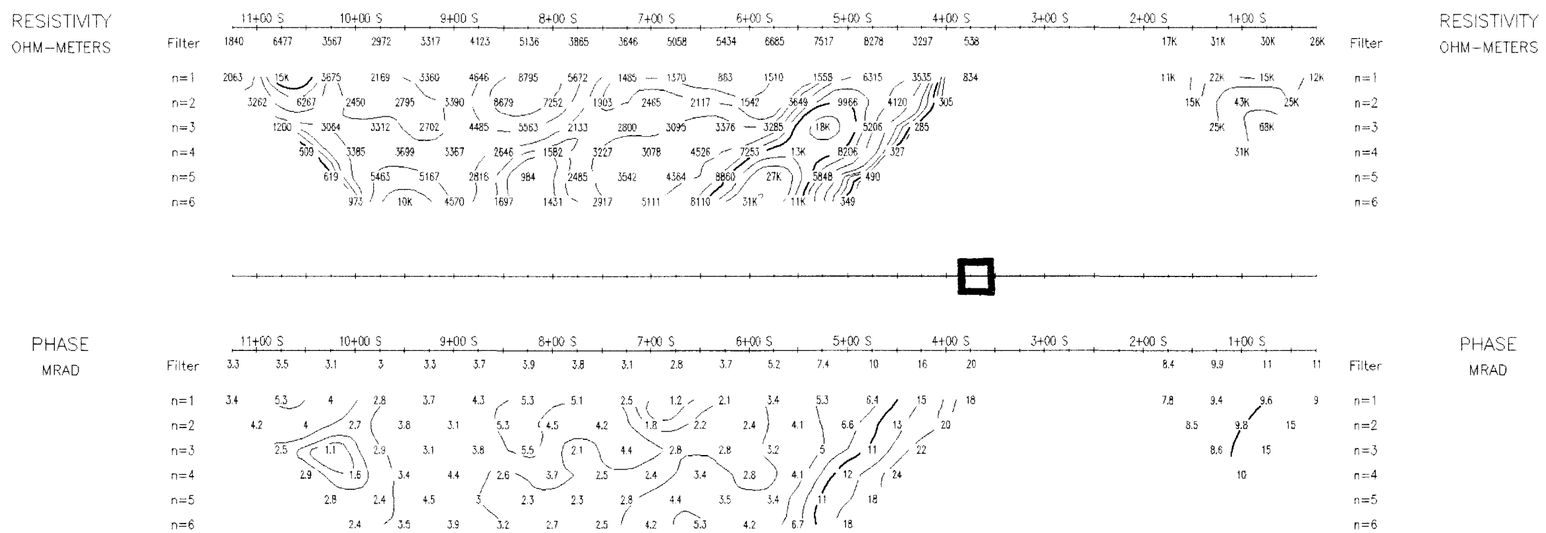
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/11/01
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

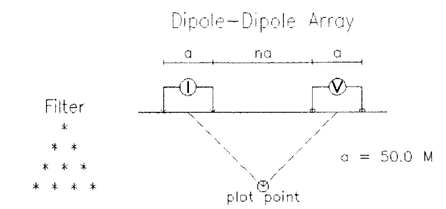
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 4175 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.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

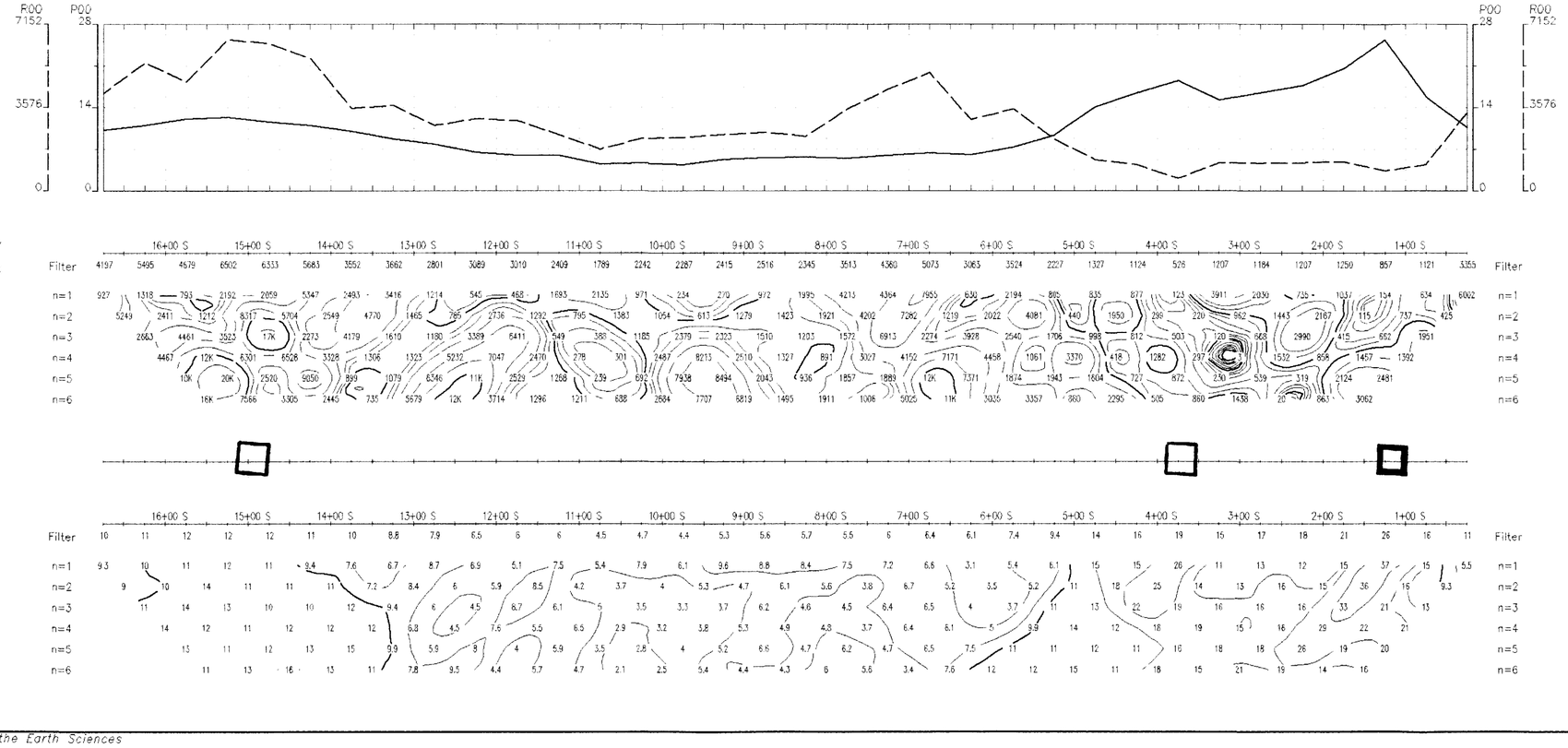
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

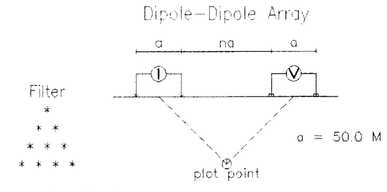
Date: 96/10/22
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Line 5000 E

Dipole-Dipole Array



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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
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Scale 1:5000

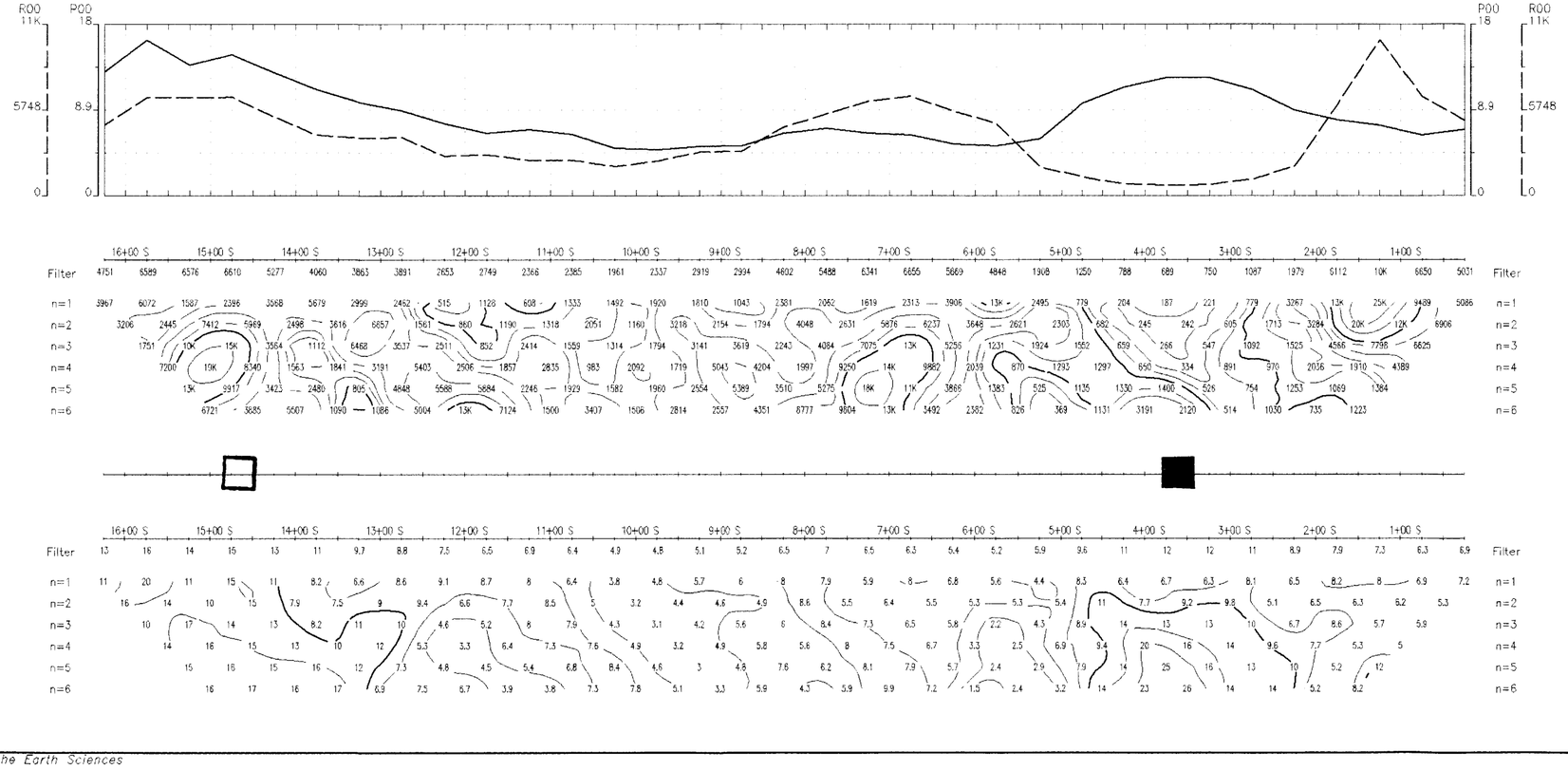
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

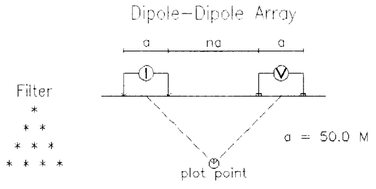
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/23
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Line 5250 E



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.

Scale 1:5000

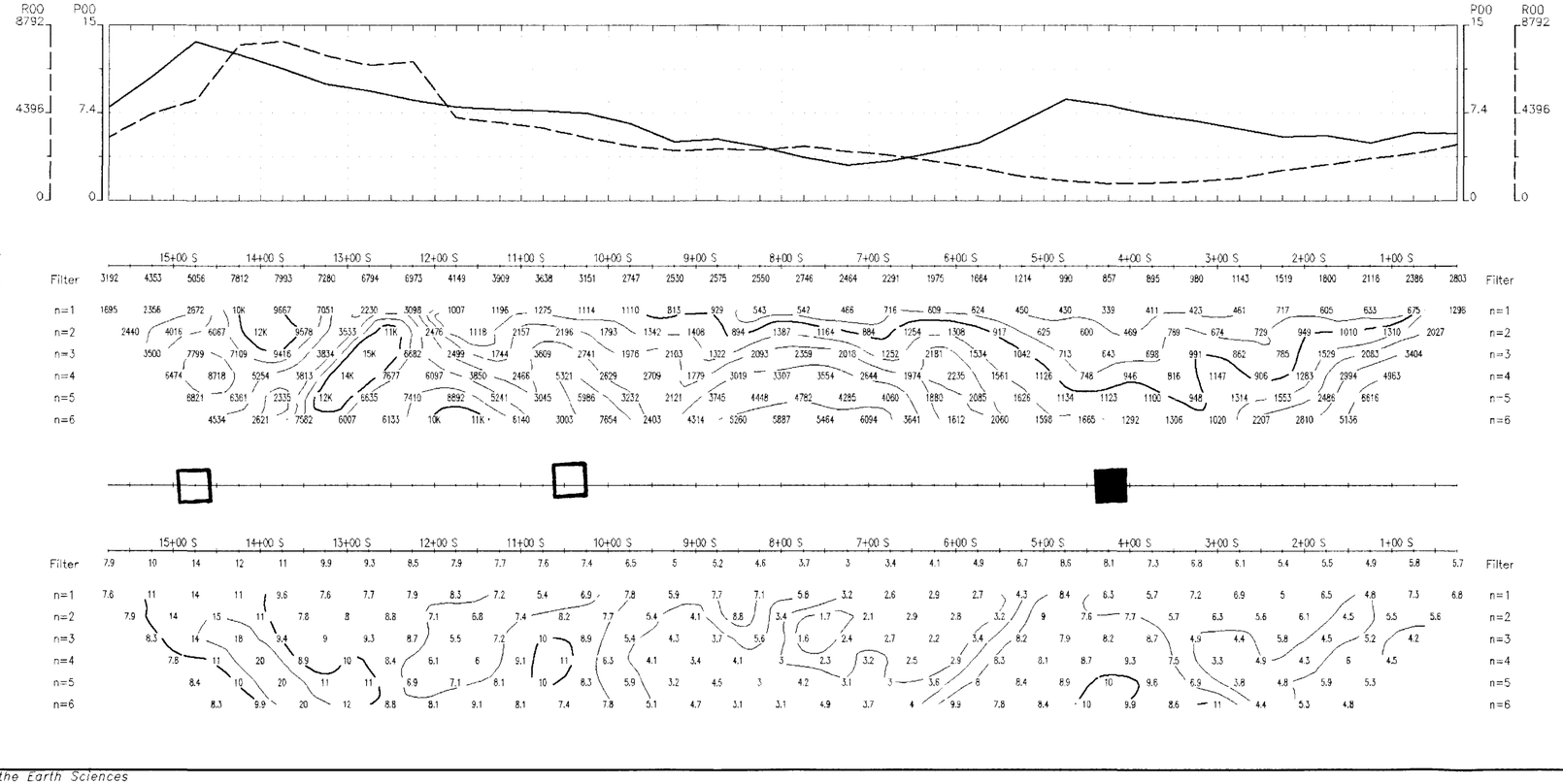
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

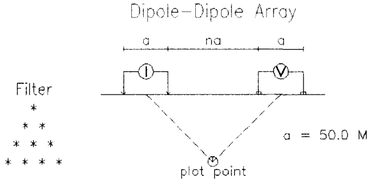
Date: 96/10/23
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Line 5500 E

Dipole-Dipole Array



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.

Scale 1:5000

50 0 50 100 150 200 250
(metres)

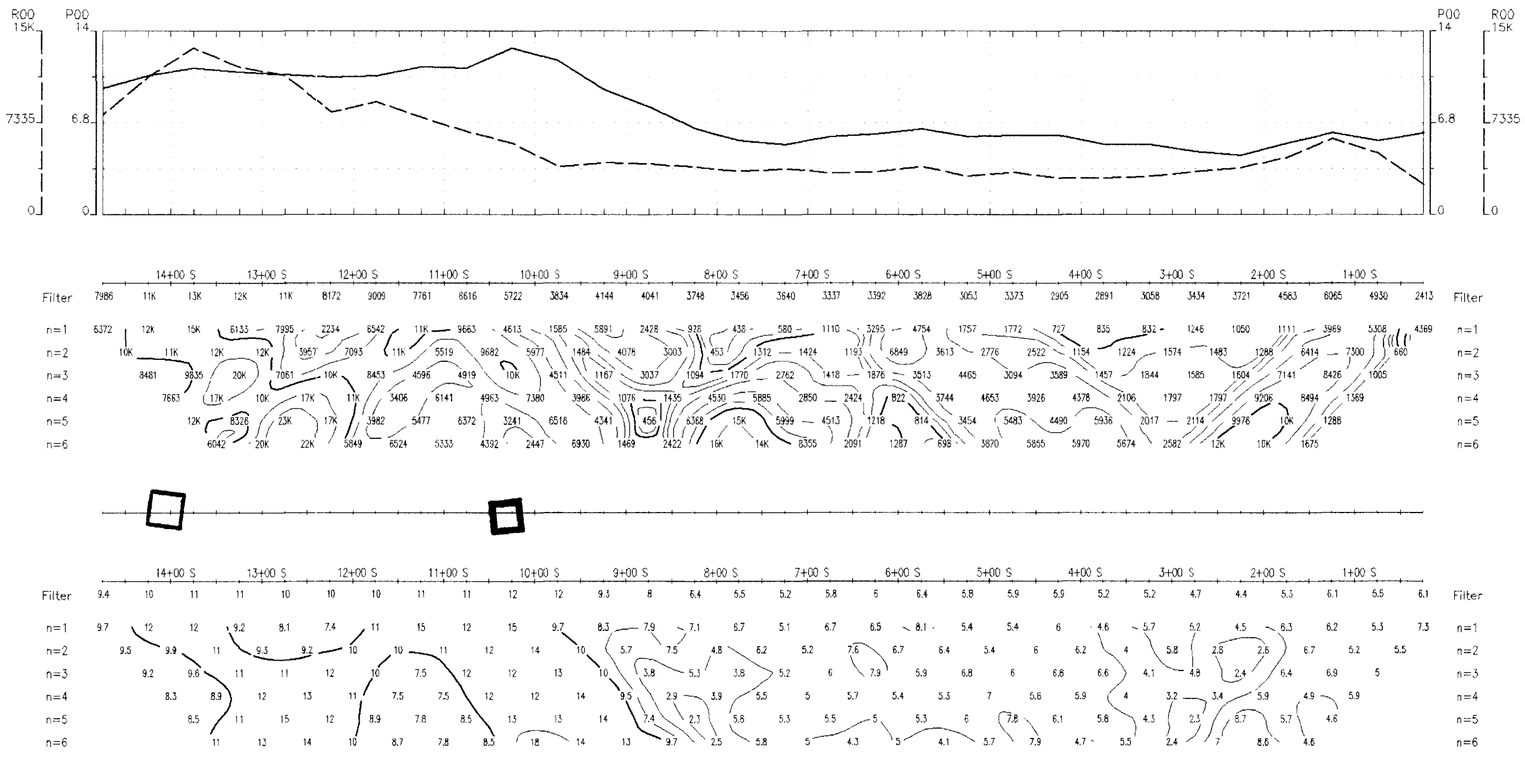
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/25
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

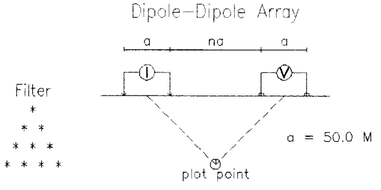
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Geosoft Software for the Earth Sciences



Line 5750 E

Dipole–Dipole Array



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.

Scale 1:5000

50 0 50 100 150 200 250
(metres)

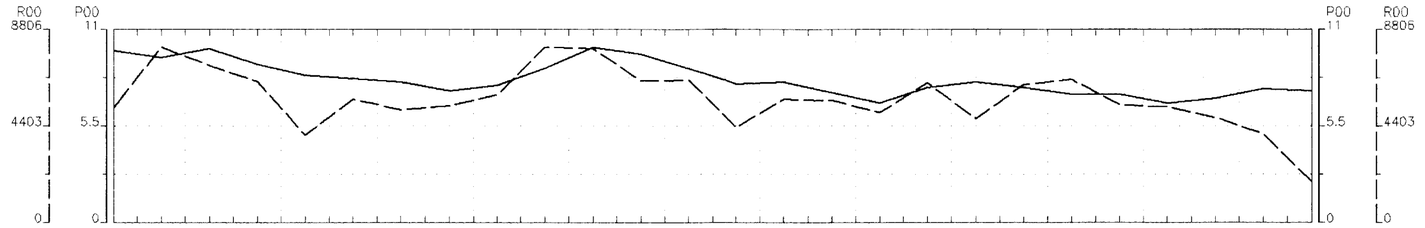
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

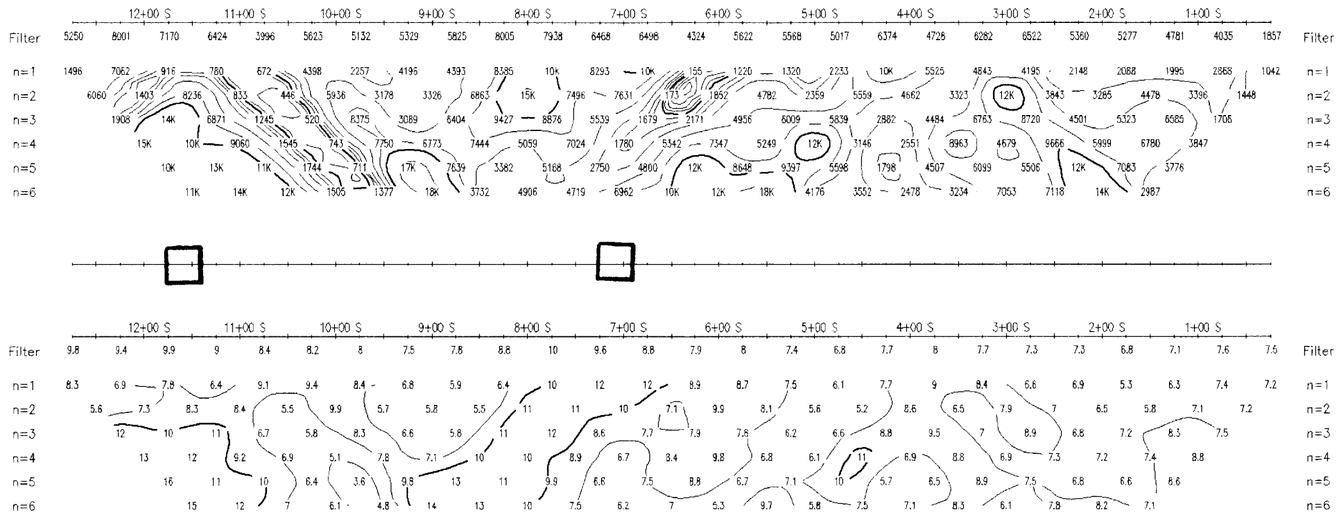
Date: 96/10/25
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Geosoft Software for the Earth Sciences



RESISTIVITY
OHM-METERS



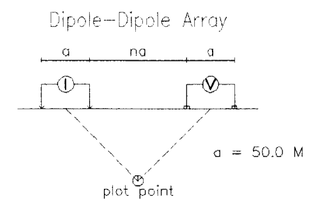
RESISTIVITY
OHM-METERS

PHASE
MRAD

PHASE
MRAD

Line 6000 E

Dipole-Dipole Array



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.

Scale 1:5000

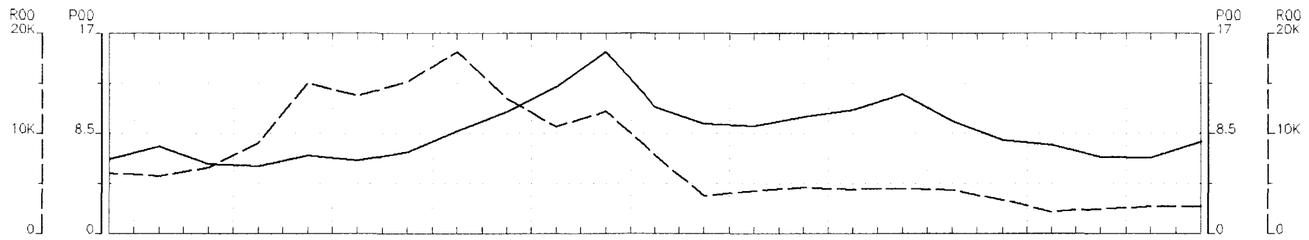
50 0 50 100 150 200 250
(metres)

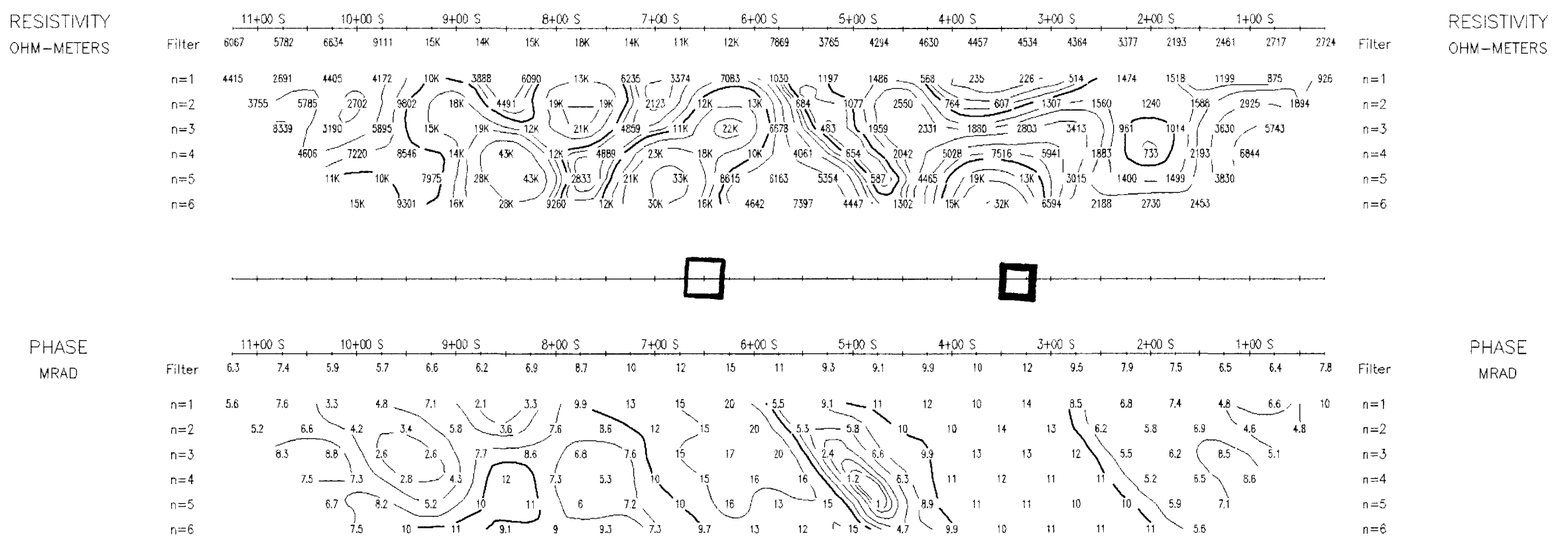
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/25
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

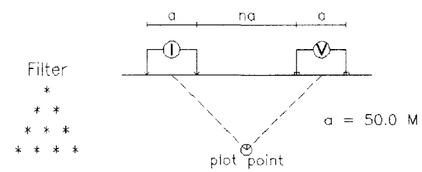
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 6250 E

Dipole-Dipole Array



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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
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Scale 1:5000

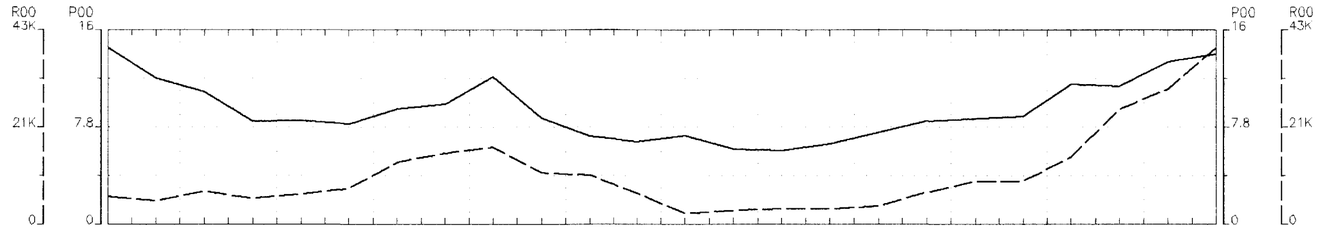
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

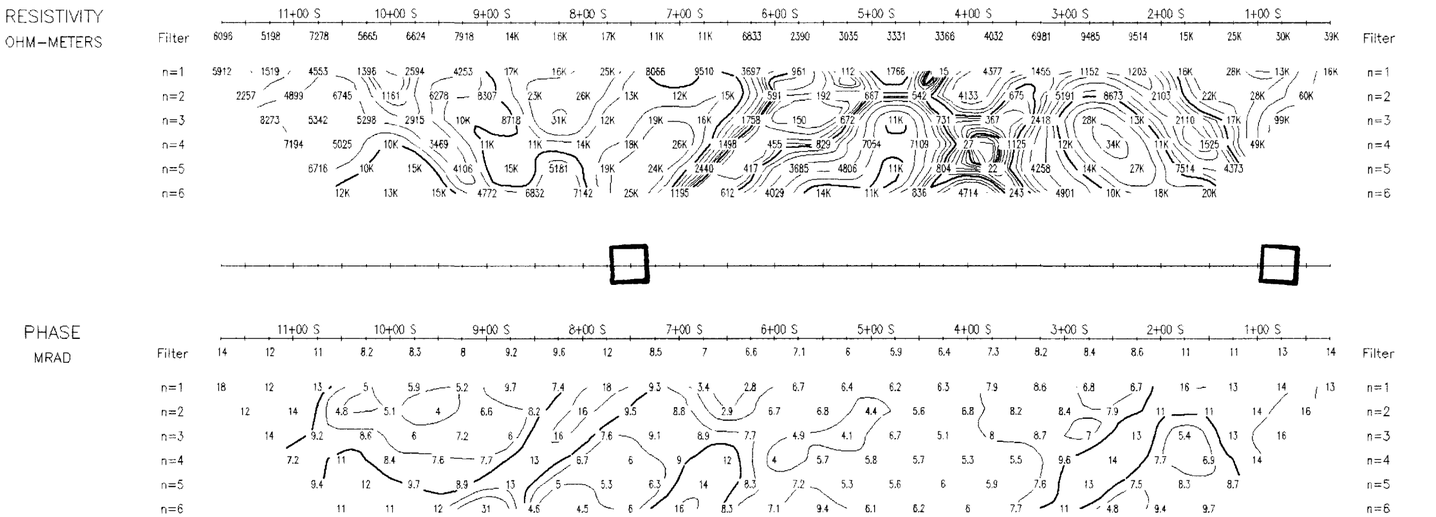
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/25
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



RESISTIVITY
OHM-METERS



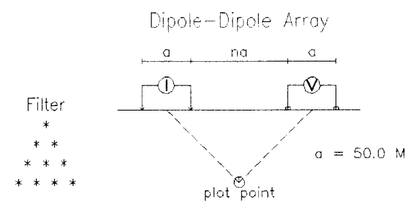
RESISTIVITY
OHM-METERS

PHASE
MRAD

PHASE
MRAD

Line 6500 E

Dipole-Dipole Array



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.

Scale 1:5000

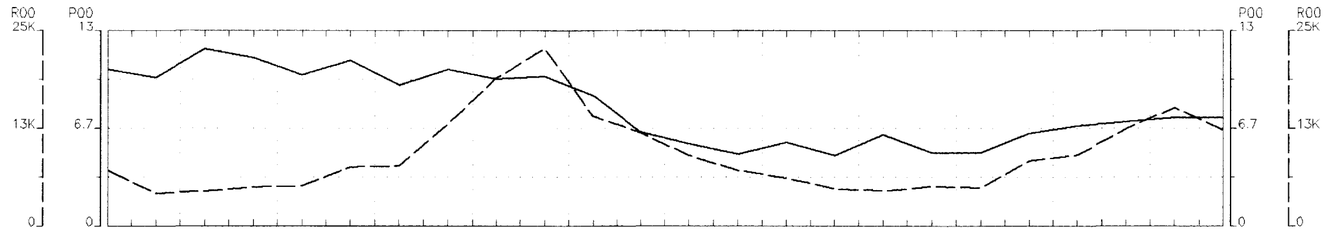
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

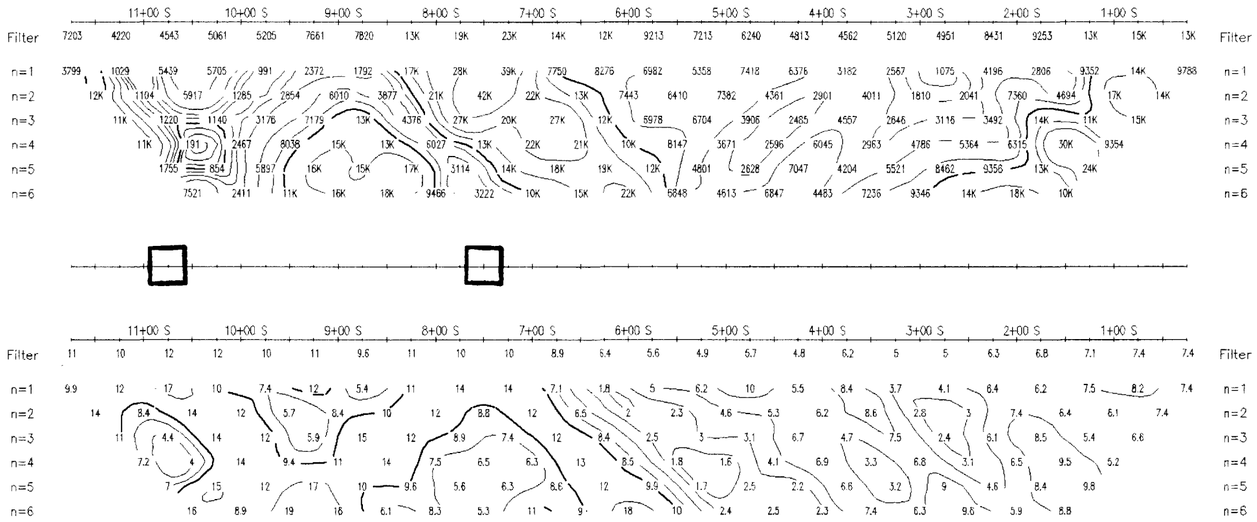
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/26
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

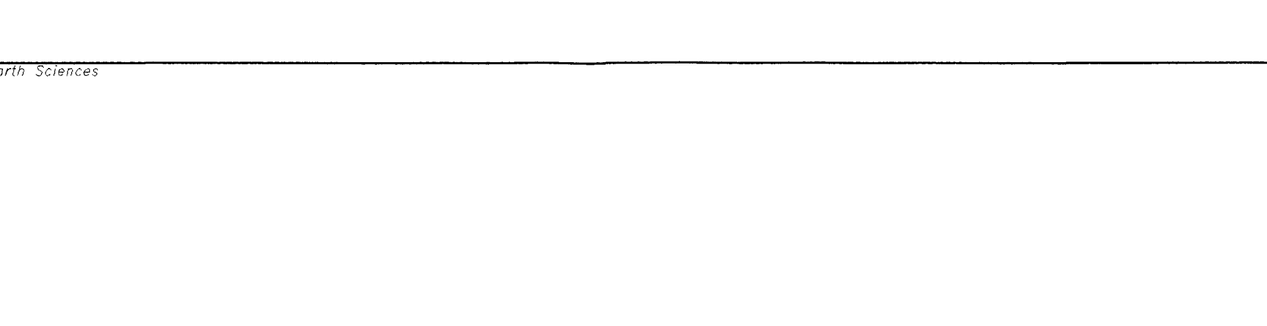


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

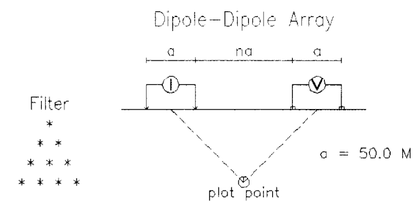
PHASE
MRAD



PHASE
MRAD

Line 6750 E

Dipole-Dipole Array



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

INTERPRETATION

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Scale 1:5000

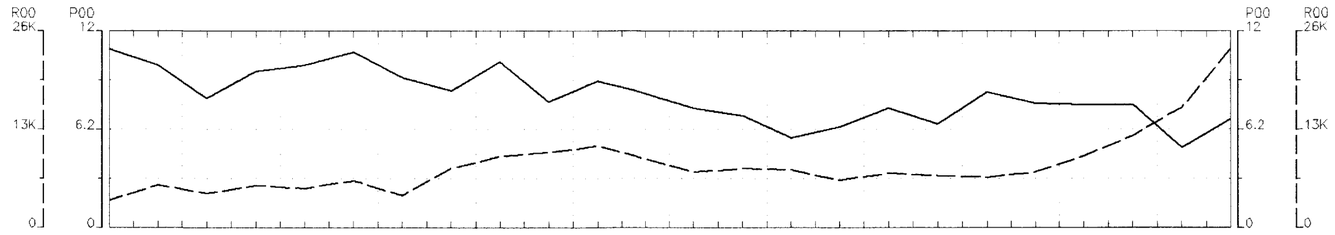
50 0 50 100 150 200 250
(metres)

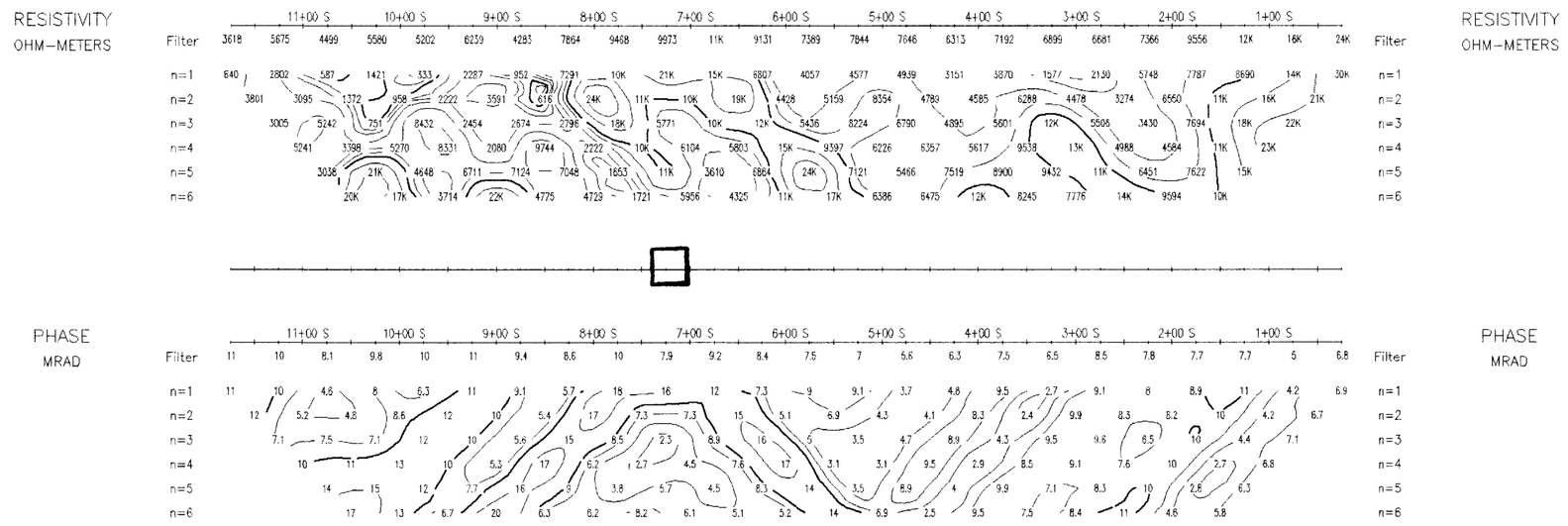
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/26
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

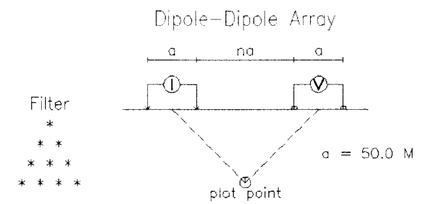
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 7000 E

Dipole-Dipole Array



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

INTERPRETATION

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Scale 1:5000

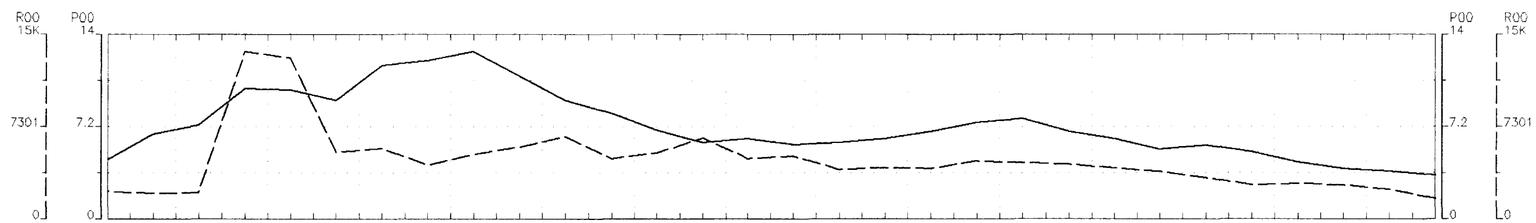
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

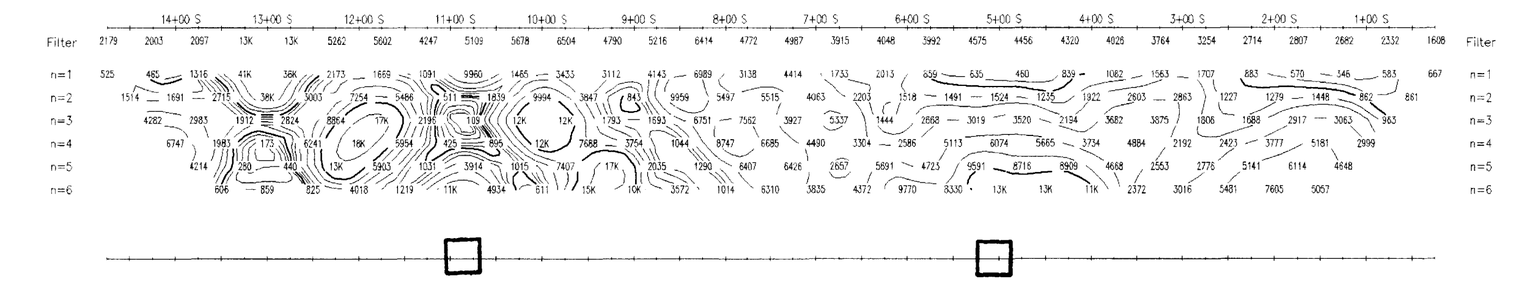
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/26
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

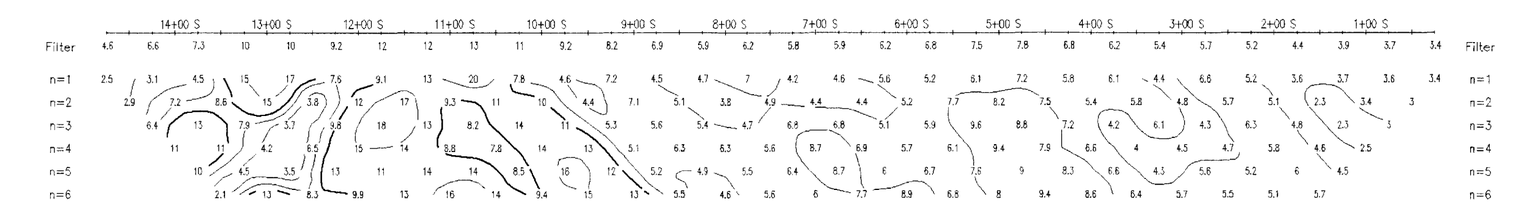


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

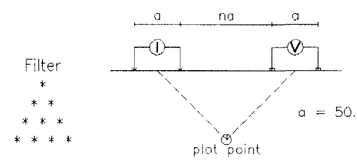
PHASE
MRAD



PHASE
MRAD

Line 7250 E

Dipole-Dipole Array



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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
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Scale 1:5000

50 0 50 100 150 200 250
(metres)

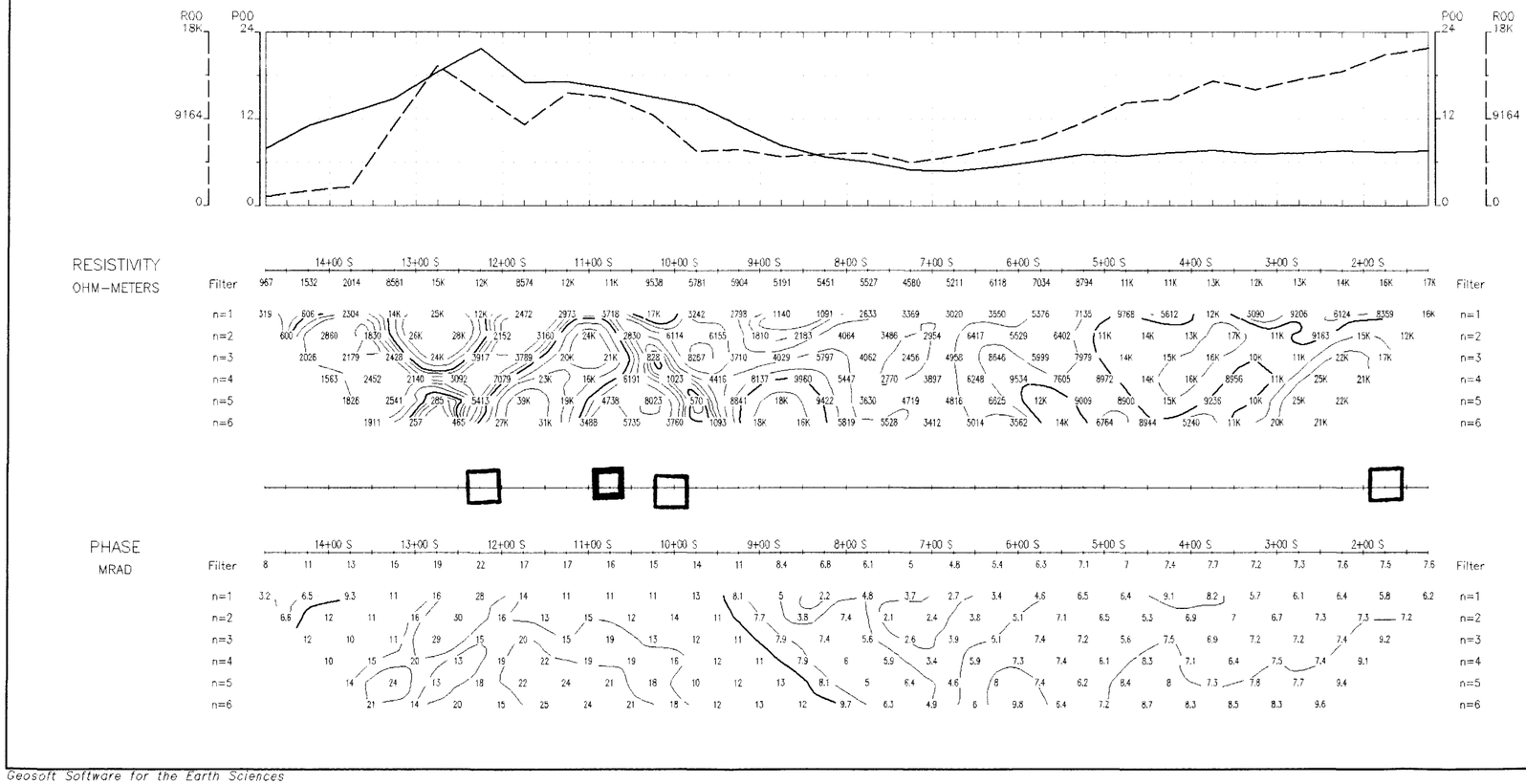
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/26
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

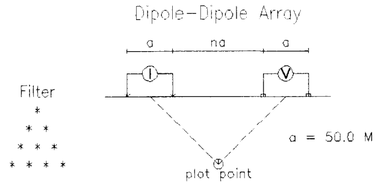
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Geosoft Software for the Earth Sciences



Line 7500 E

Dipole-Dipole Array



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

INTERPRETATION

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- ◘ Well defined increase in polarization without marked resistivity decrease.
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Scale 1:5000

50 0 50 100 150 200 250
(metres)

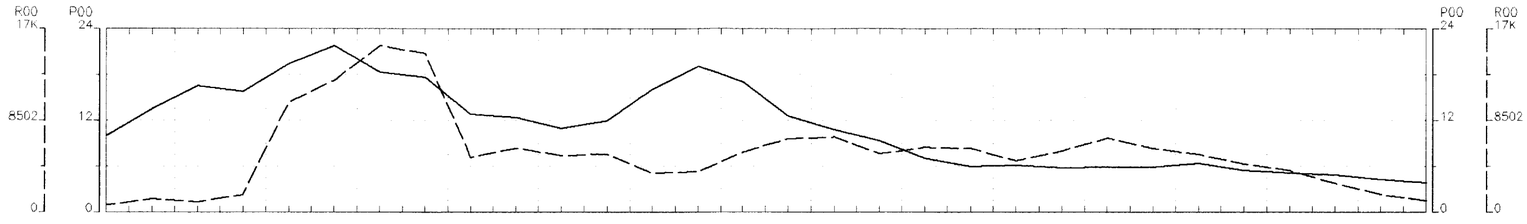
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

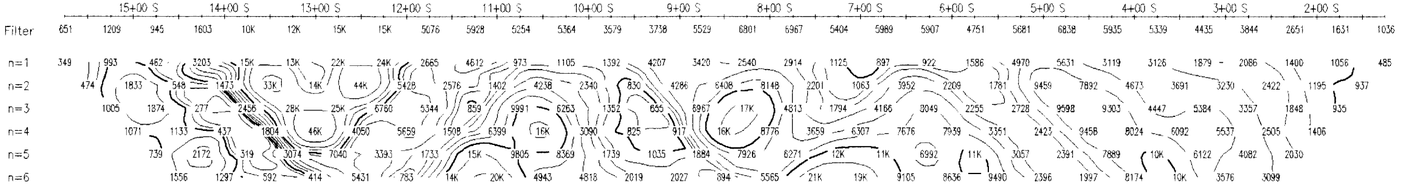
Date: 96/10/27
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Geosoft Software for the Earth Sciences

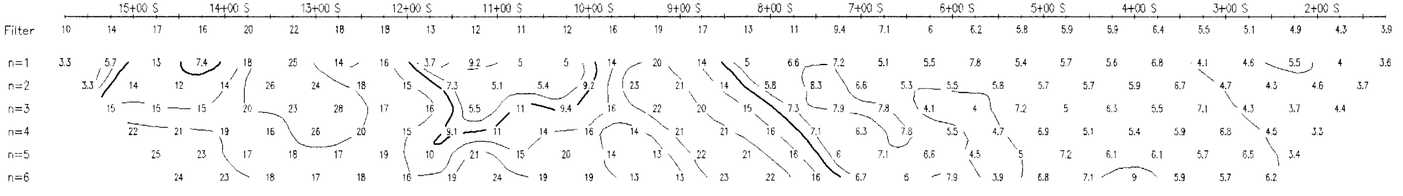


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

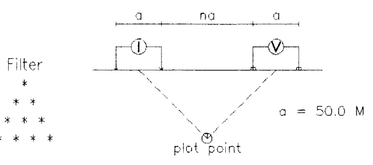
PHASE
MRAD



PHASE
MRAD

Line 7750 E

Dipole-Dipole Array



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.

Scale 1:5000

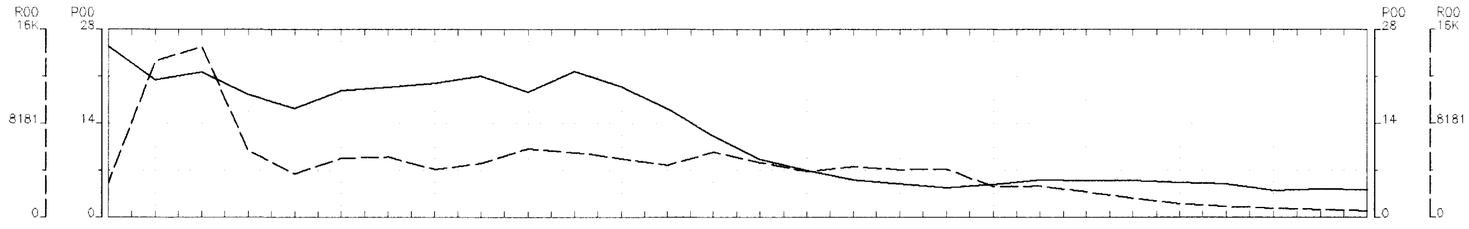
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

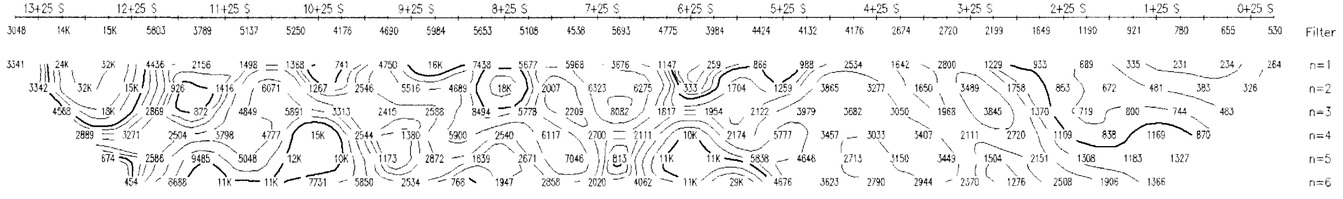
INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/27
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

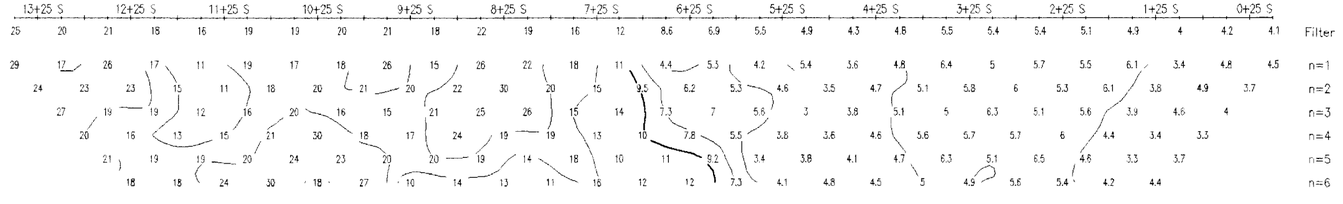


RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

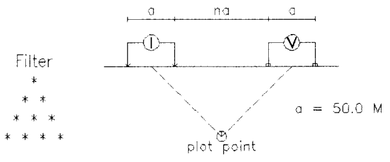
PHASE
MRAD



PHASE
MRAD

Line 8000 E

Dipole-Dipole Array



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.

Scale 1:5000

50 0 50 100 150 200 250
(metres)

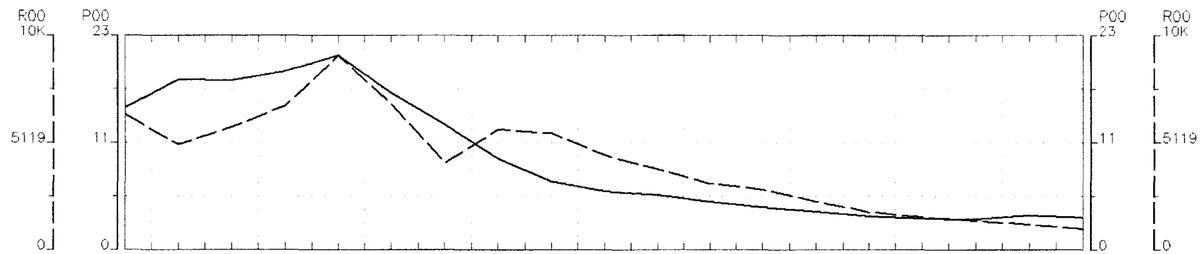
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

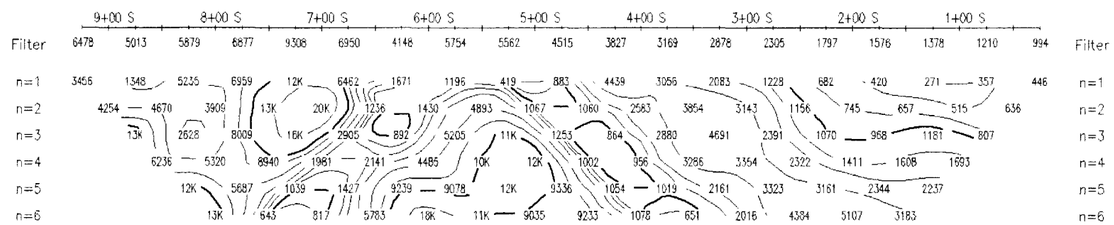
Date: 96/10/27
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Geosoft Software for the Earth Sciences

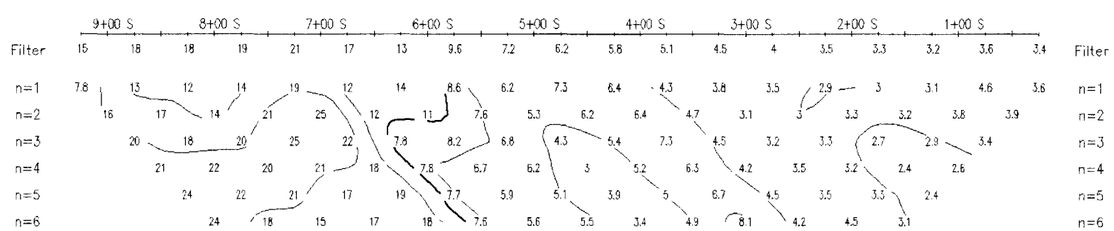


RESISTIVITY
OHM–METERS



RESISTIVITY
OHM–METERS

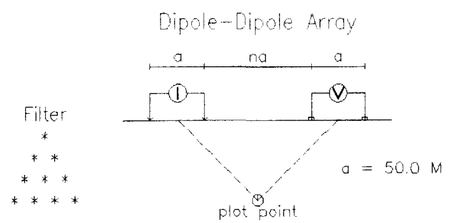
PHASE
MRAD



PHASE
MRAD

Line 8250 E

Dipole–Dipole Array



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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
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Scale 1:5000

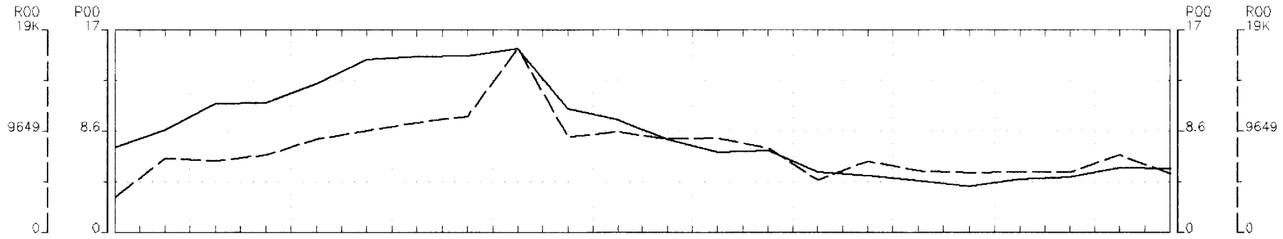
50 0 50 100 150 200 250
(metres)

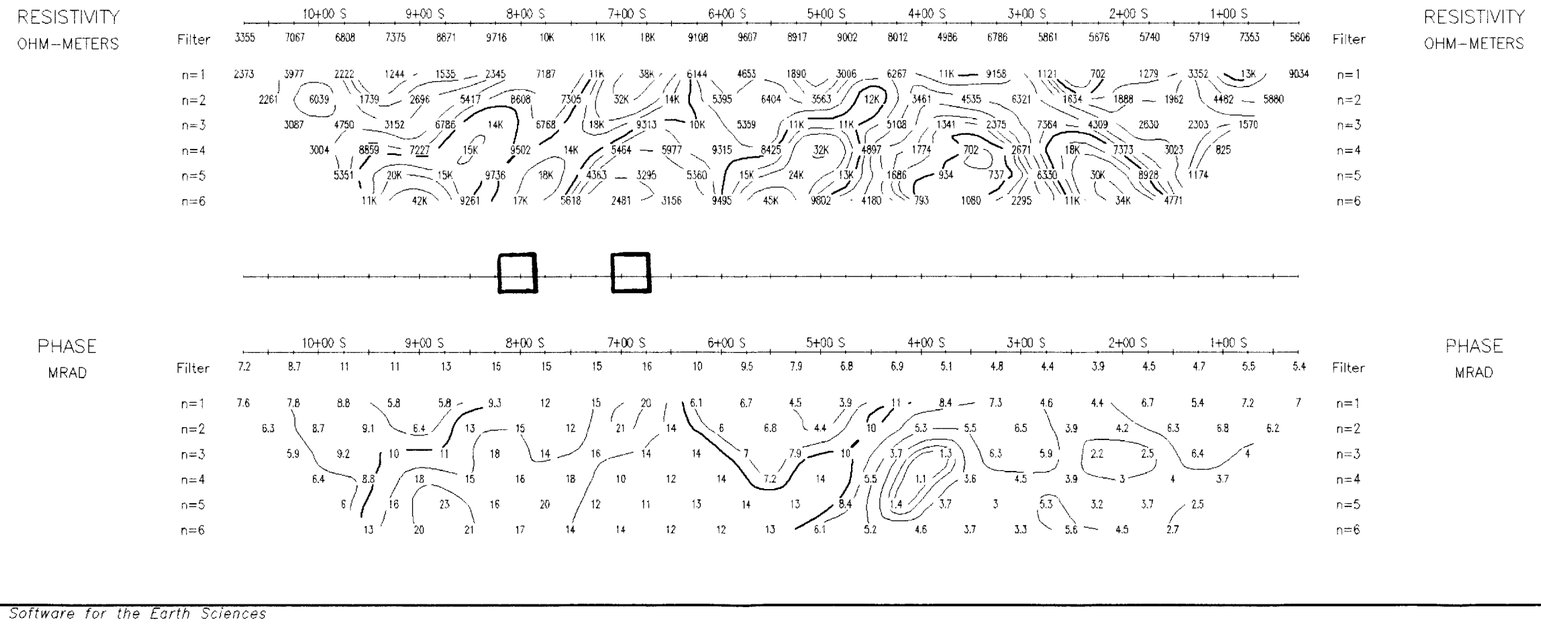
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/27
Interpretation: GERARD LAMBERT (V–4 RX)PHOENIX

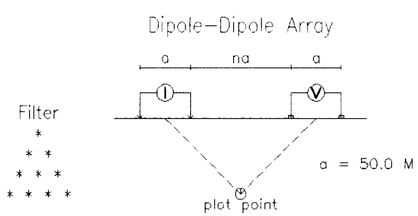
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 8500 E

Dipole-Dipole Array



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

INTERPRETATION

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Scale 1:5000

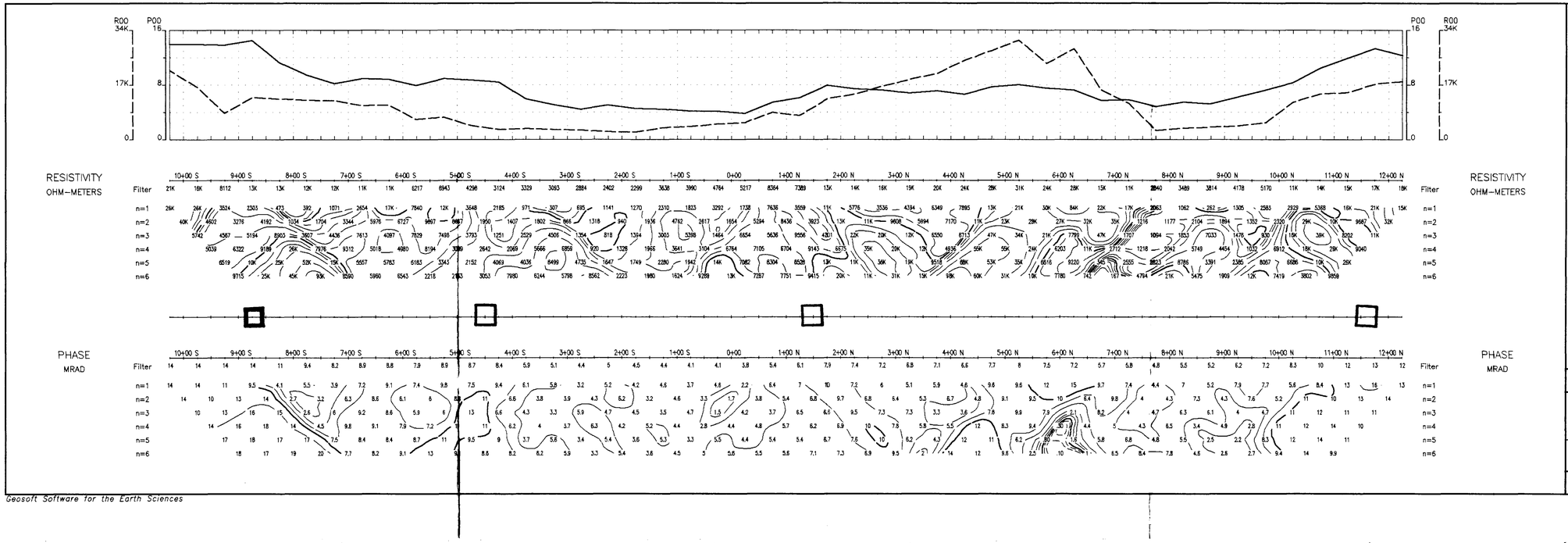
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/11/01
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

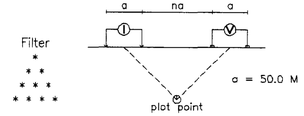
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 8750 E

Dipole–Dipole Array



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

INTERPRETATION

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Scale 1:5000

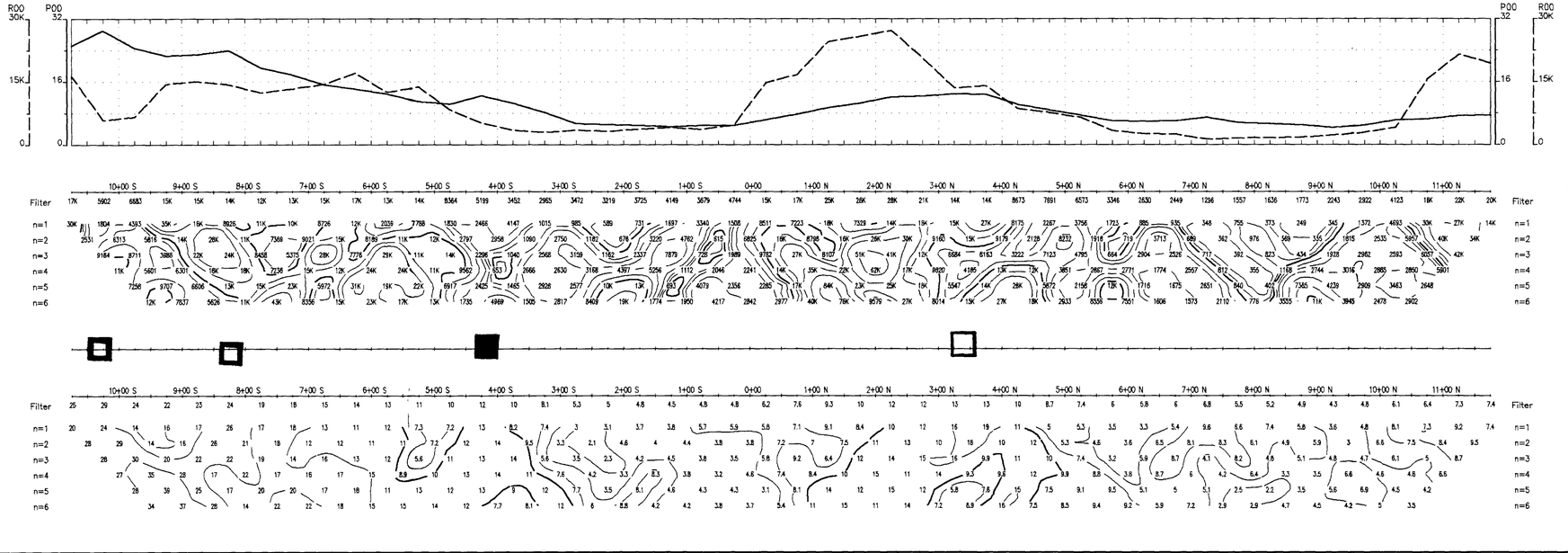
50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/30
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

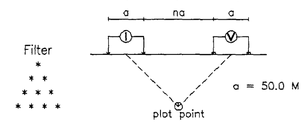
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 9000 E

Dipole–Dipole Array



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

INTERPRETATION

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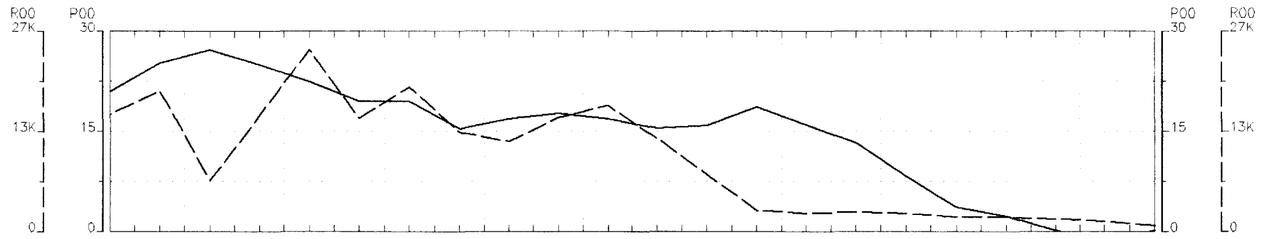
50 0 50 100 150 200 250
(metres)

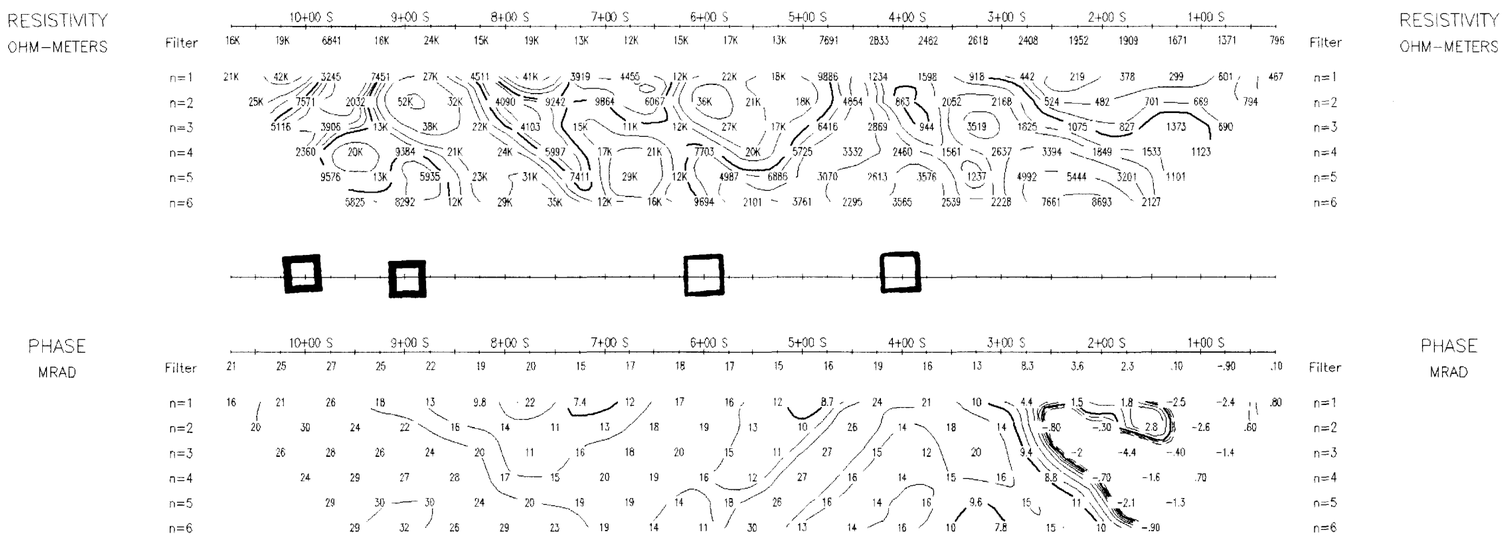
INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/30
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

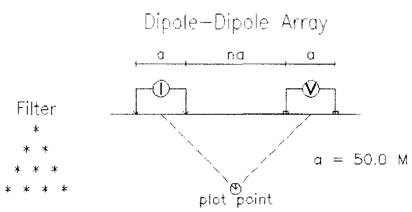
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





Line 9250 E

Dipole-Dipole Array



Filter

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

INTERPRETATION

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Scale 1:5000

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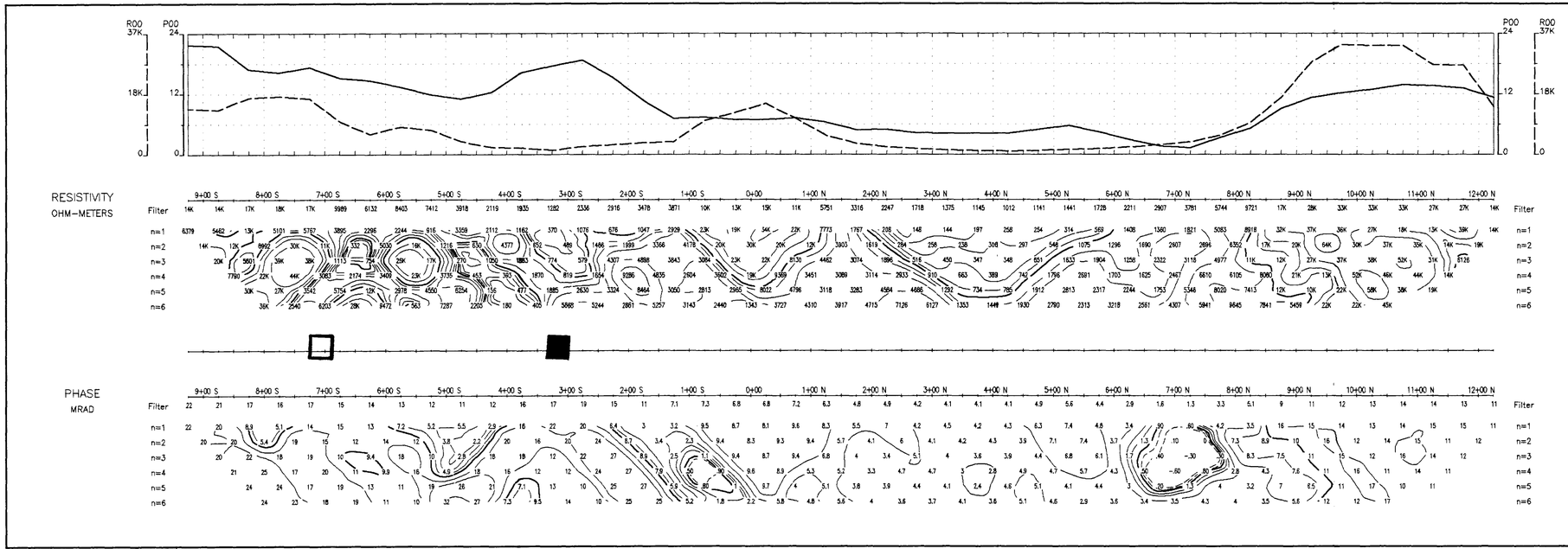
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/11/01
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

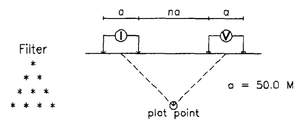
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 9500 E

Dipole-Dipole Array



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

INTERPRETATION

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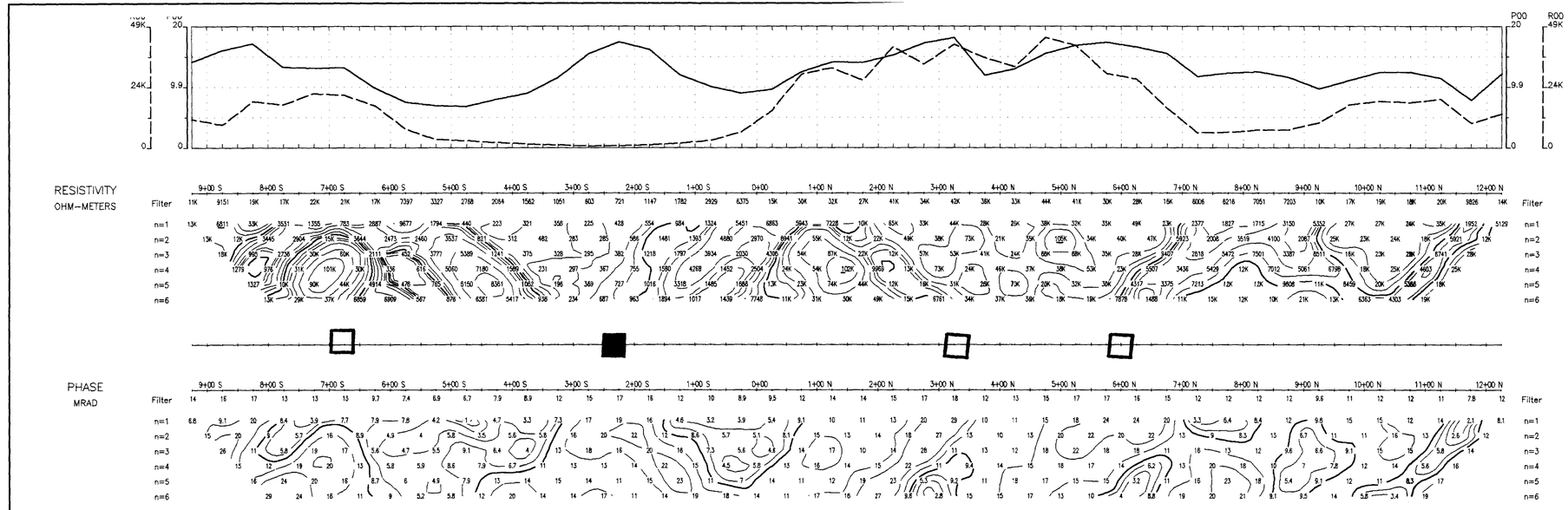
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/28
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

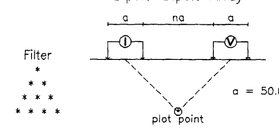
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Geosoft Software for the Earth Sciences

Line 9750 E

Dipole-Dipole Array



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.

Scale 1:5000

50 0 50 100 150 200 250
(metres)

INMET MINING CORPORATION

INDUCED POLARIZATION SURVEY
SWAYZE PROJECTS
FOLEYET AREA , ONTARIO

Date: 96/10/28
Interpretation: GERARD LAMBERT (V-4 RX)PHOENIX

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9760.00050

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, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

Instructions: - Please type or print and submit in duplicate.

2.17226

41O16SW0016 2.17226 DORE

900

of filing assessment work or consult the Mining
Work Group.
duplicate.
ust accompany this form.

Recorded Holder(s) INMET MINING CORP.		Client No. 169899
Address SUITE 3400, AETNA TOWER, P.O. BOX 19, TORONTO DOMINIUM CENTER, TORONTO, ONT. M5K 1A1		Telephone No. (416) 361-6400
Mining Division PORCUPINE	Township/Area DORE	M or G Plan No. G. 1108
Dates Work Performed From: 1996 June 01	To: 1996 December 17	

Work Performed (Check One Work Group Only)

	Work Group	Type
√	Geotechnical Survey	LINE CUTTING + GEOPHYSICAL SURVEY (IP)
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

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Total Assessment Work Claimed on the Attached Statement of Costs $ 15 055

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)

Name	Address
NATIVES EXPLORATION SERVICES	203, OPEMISCA STREET, OUJE-BOUGOUMOU, QUÉBEC J0W 3C0
RÉMY BÉLANGER ENR.	C.P. 40, 329, BOUL. ÉVAIN OUEST ÉVAIN QUÉBEC J0Z 1Y0
GÉRARD LAMBERT GEOSCIENCES	144, RUE GEORGE, C.P. 2355 ROUYN-NORANDA QUÉBEC J9X 5A9

(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.	Date Jan 30th 1997	Recorded Holder or Agent (Signature) Bernard Boily

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 BERNARD BOILY	INMET MINING CORP. 1300 BOUL. SAGUENAY P.O. BOX 2187 ROUYN NORANDA, Qué, J9X 5A6	
Telepone No. (819) 764-6666	Date Jan 30th, 1997	Certified By (Signature) Bernard Boily

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$15,055	Deemed Approval Date MAY 8, 1997	Date Approved Gary White	RECEIVED FEB 7 1997 9:30 Fuel Exp. A PORCUPINE MINING DIVISION
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1129857	12	727	0	727	0
	1189640	6	1887	0	1887	0
	1205978	6	148	0	122	26
	1205980	15	634	0	0	634
	1205981	15	6864	0	6864	0
	1211694	12	2995	0	0	2995
	1211695	8	200	0	0	200
	1211696	16	1600	0	0	1600
	1129858	12	0	4800	0	0
	1205740	12	0	4800	0	0
	114 units		15055	9600	9600	5455
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented

Signature | Date

3/91)

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction: W9760.00050

Mining Act/Loi sur les mines 2.17226

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 quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e 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 LINE CUTTING	4799	
	IP SURVEY	10256	
			15055
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		15055

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			
	Sub Total of Indirect Costs Total partiel des coûts indirects		
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles**		15055

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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
× 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
× 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 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.

BERNARD BOILY | Signature: Bernard Boily | Date: Jan 30th, 1997

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

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

May 5, 1997

Gary White
Mining Recorder
Ontario Government Complex
P.O. Bag 3060, Hwy 101 East
South Porcupine, ON
P0N 1H0

Dear Sir or Madam:

Submission Number: 2.17226

Subject: Transaction Number(s):		Status
	W9760.00050	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 Bruce Gates by e-mail at gates_b@torv05.ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

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

Correspondence ID: 10802
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17226

Date Correspondence Sent: May 05, 1997 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00050	1129857	DORE	Approval	May 02, 1997

Section:

14 Geophysical IP

Correspondence to:

Mining Recorder
South Porcupine, ON

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

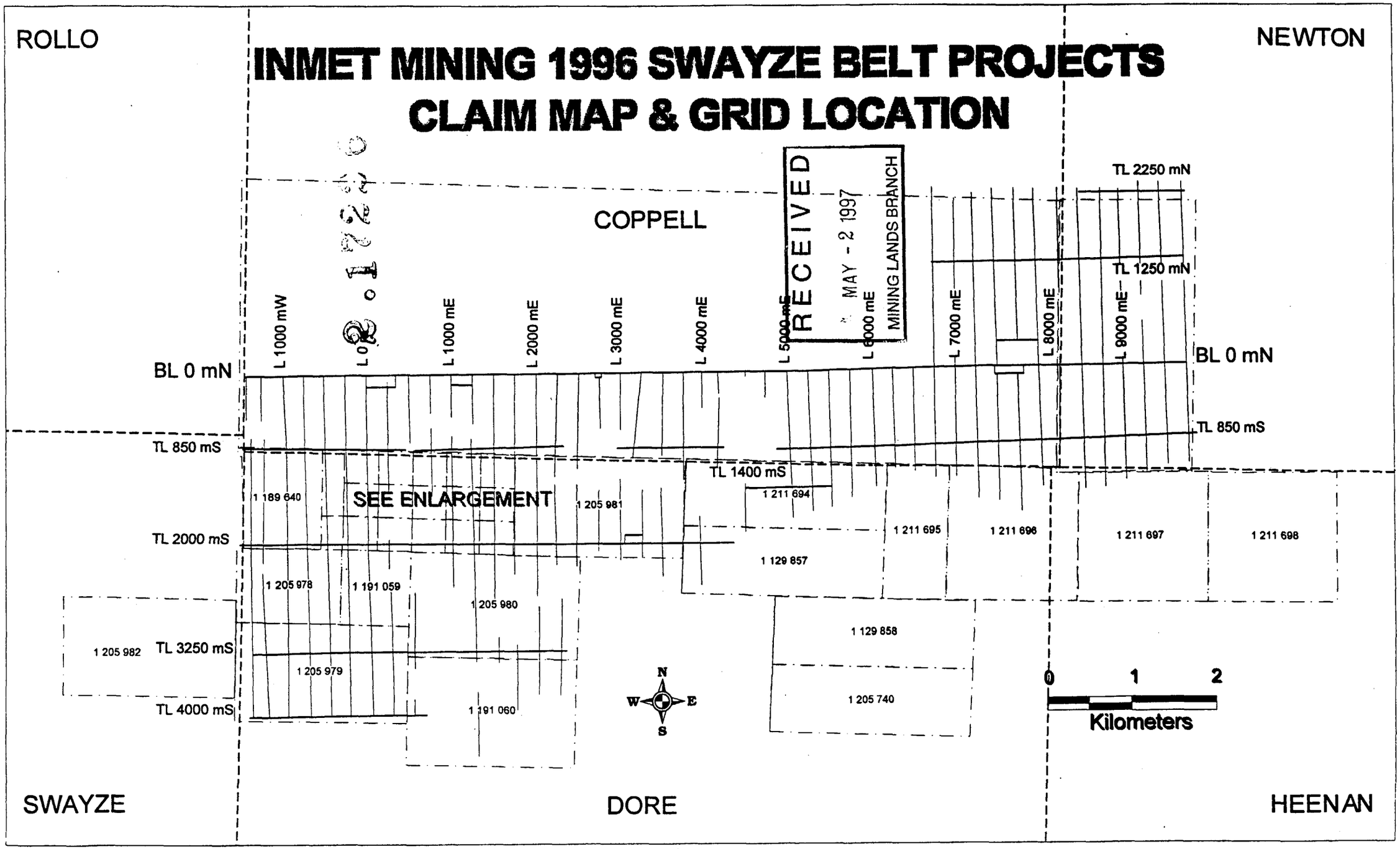
Recorded Holder(s) and/or Agent(s):

Bernard Boily
ROUYN-NORANDA, QUEBEC

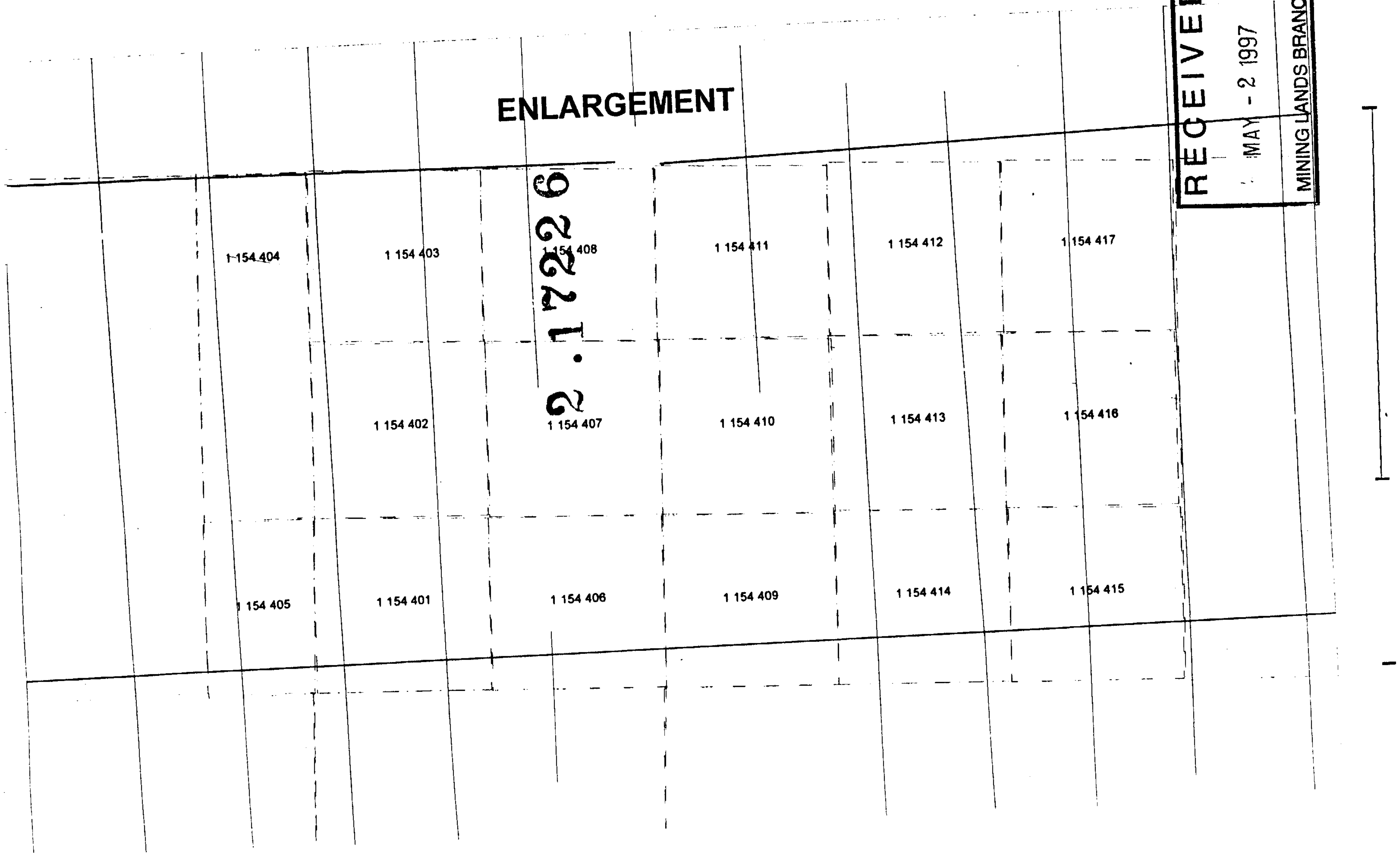
INMET MINING CORPORATION
TORONTO, Ontario

Correspondence ID: 10802

INMET MINING 1996 SWAYZE BELT PROJECTS
CLAIM MAP & GRID LOCATION



ENLARGEMENT



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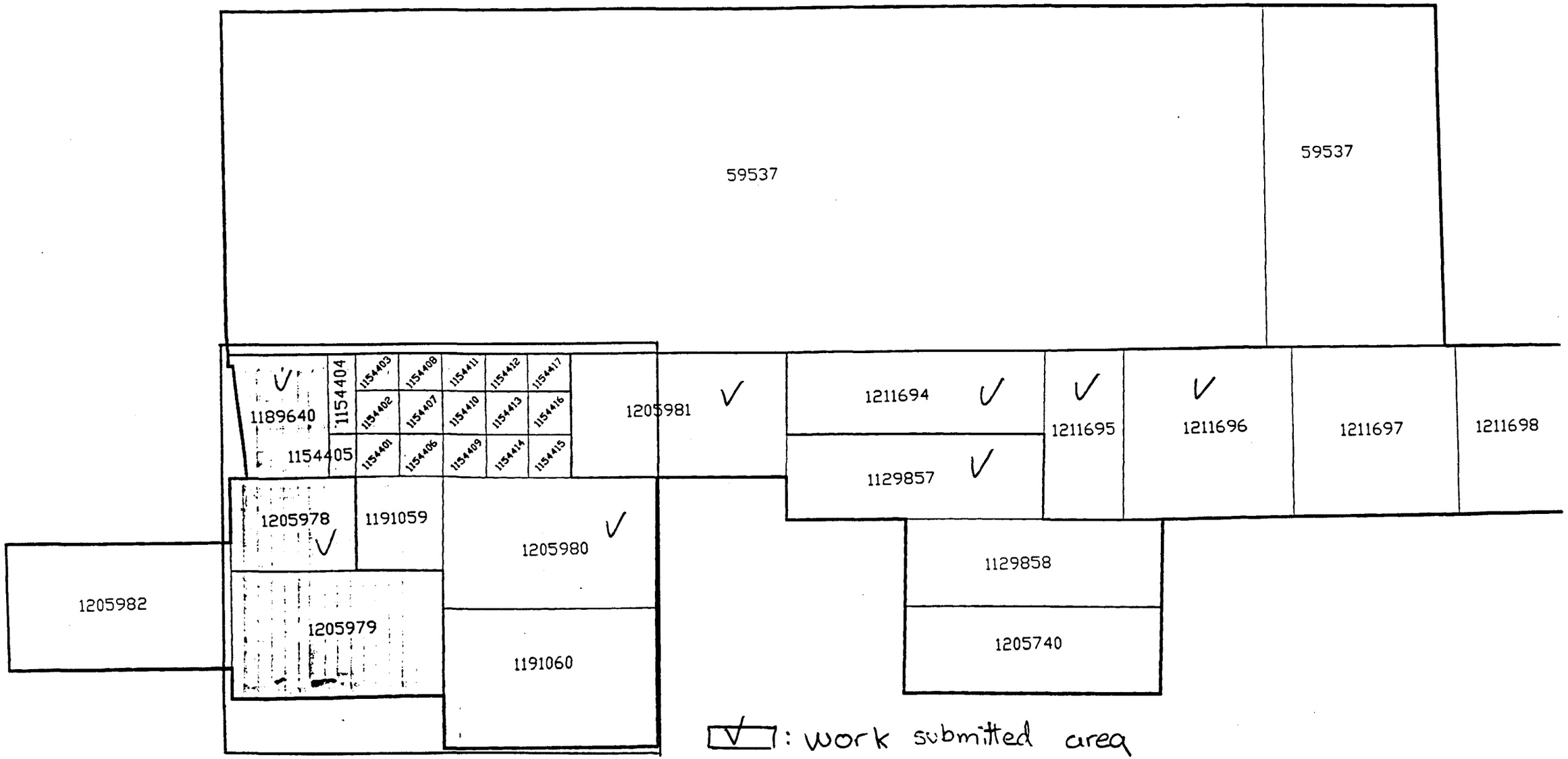
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1211696
1211697
1211698
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1191059
1205980
1205982
1205979
1191060
1129858
1205740
: work submitted area

RÉMY BÉLANGER ENR.
ENTREPRENEUR GÉOPHYSIQUE

NOVEMBER 06 - 1996

INMET MINING CORPORATION
1300 BOUL. SAGUENAY, SUITE 200
C.P. 2187 , ROUYN-NORANDA
(QUÉBEC) CANADA J9X 5A6

2.17226

INVOICE #224

INDUCED POLARIZATION SURVEY DIPOLE-DIPOLE 50 METERS SPREADS N=1 TO N=6
PROPERTY SWAYZE PROJECT 1996 , ONTARIO .

TOTALS OF 46.65 KM. X $600.00	=	$ 27,990.00
1 DAY OF MOB. (8 MENS CREW)	=	$ 1,650.00
1 DAY OF ORGANIZATION SET UP CAMP & MAKE TRAIL FOR BOAT.	=	$ 1,650.00
1 DAY OF DEMOB.	=	$ 1,650.00
	=	$32,940.00
GST # R-106021876 7%	=	$ 2,305.80
TOTALS	=	$35,245.80

C.P. 40, 329, boul. Évain Ouest
Évain (Québec) J0Z 1Y0
Tél.: (819) 279-2206
Rés.: (819) 797-6047

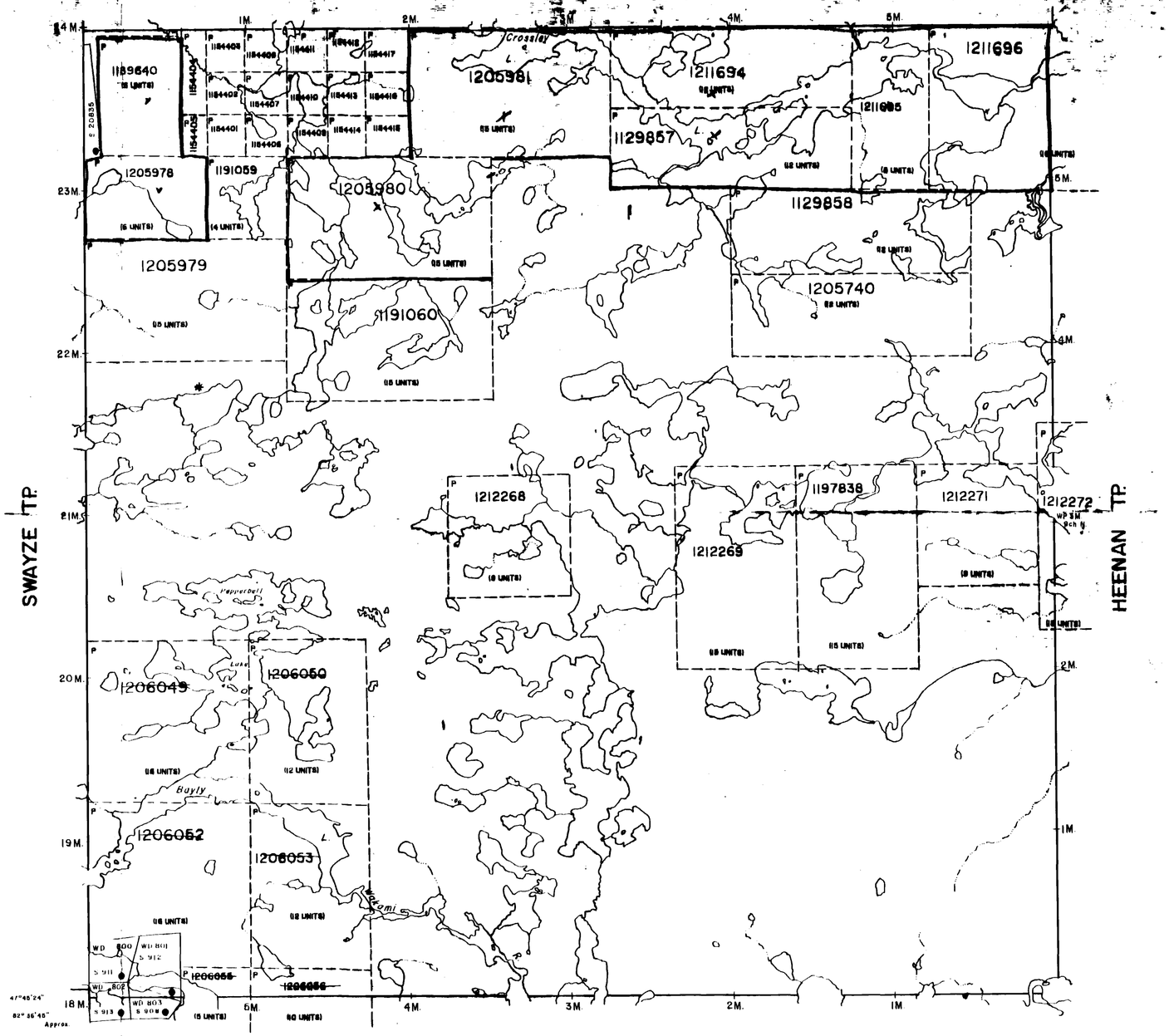
NOTES

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

COPPELL TP

IP

2.17226



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	●
" MINING RIGHTS ONLY	●
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	CS
ORDER-IN-COUNCIL	OC
RESERVATION	R
CANCELLED	C
SAND & GRAVEL	G
LAND USE PERMIT	*

SCALE : 1 INCH 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000
METRES 0 100 200 400 600 800 1 KM

ACRES 40 HECTARES 16

2.17226

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TOWNSHIP

DORE

DISTRICT

SUDBURY

MINING DIVISION

SUDBURY

ACTIVATED BY D.C. OCT. 16/96 CHECKED BY D.M.

Ontario Ministry of Natural Resources
Surveys and Mapping Branch

Date	Plan No
April 27th, 1973	G-1108

Whitney Block
Queen's Park, Toronto

200

THAT MAP ILED RCES, NOT IOSE MIN- CON- INING Y OF LOP- IR AD- ATION THE ON.

59537

L 1000 mW

L 0 m

L 1000 mE

L 2000 mE

L 3000 mE

L 4000 mE

BL 0 mN

TL 850 mS

TL 2000 mS

TL 3250 mS

TL 4000 mS

TL 1400 mS

DD-1

DD-2

DD-3

DD-4

DD-5

DD-6

DD-7

DD-8

DD-9

DD-10

DD-11

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DD-14

1154401

1154402

1154403

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1154405

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1154409

1154410

1154411

1154412

1154413

1154414

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1154416

1154417

189640

1205978

1191059

1205980

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1205979

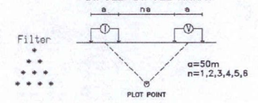
1191060

1205995

I.P. Survey by Val d'Or Geophysics
August 1996

LEGEND

DIPOLE–DIPOLE ARRAY



Instruments: Phoenix IPT–1 Tx, Turbo V–4 Rx
Frequency: 1.0 Hz
Operator: Remy Belanger

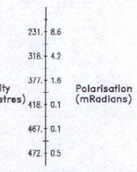
I.P. survey by: Remy Belanger
October 1996

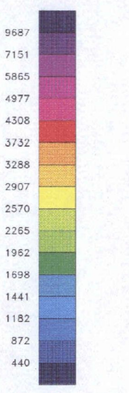
INTERPRETATION

Polarisation increase accompanied by a significant decrease of the apparent resistivity.
Semi–massive to massive sulphides, graphite. Normally will cause a conductor on an E.M. survey such as MaxMin or Input.

Polarisation increase without any significant decrease of the apparent resistivity.
Disseminated to stringer to semi–massive sulphides, discontinuous graphite, sphalerite–rich sulphides. Also altered, pyritized structures.
METALLIC MINERALS, MASSIVE MAGNETITE, MICACEOUS MINERALS.

Poorly defined polarisation increase with no apparent resistivity signature.
Small quantities of sulphides, narrow mineralized veins, sometimes noisy readings, due to contact problems. MAGNETITE, CLAY OR MICACEOUS MINERALS.





TL 2250 mN

TL 1250 mN

BL 0 mN

TL 850 mS

L 5000 mE

L 6000 mE

L 7000 mE

L 8000 mE

L 9000 mE

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1129858

1205740

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MINING LANDS BRANCH

2.17226

Scale 1:10,000

200m 0 400m 800m

LES MINES INMET

INMET MINING CORPORATION
EXPLORATION DIVISION
ROUYN–NORANDA, QUEBEC

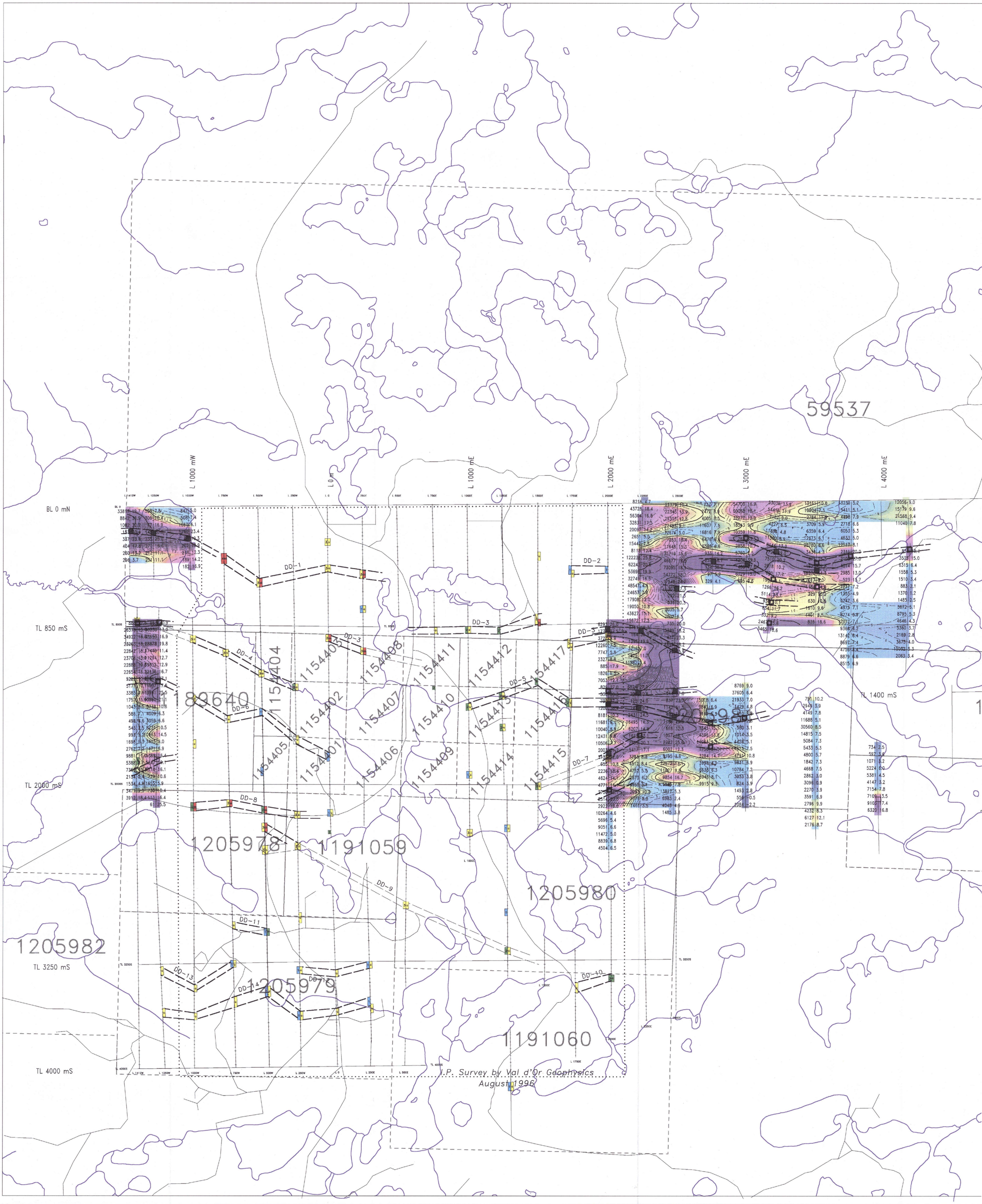
SWAYZE PROJECTS

INDUCED POLARIZATION SURVEY

Contours of the apparent resistivity

Data processing and interpretation by:	Coppell & Dore Twps., Ont.
Gerard Lambert, P.Eng.	Scale 1:10,000 N.T.S. 42 O/16
LAMBERT GEOSCIENCES LTD.	
October 1996	I.P. Survey by R. Belanger

INGENIEUR–ENGINEER GERARD LAMBERT 33174 QUEBEC


L 1000 mW
L 0 m
L 1000 mE
L 2000 mE
L 3000 mE
L 4000 mE
BL 0 mN
TL 850 mS
TL 2000 mS
TL 3250 mS
TL 4000 mS
TL 1400 mS
DD-1
DD-2
DD-3
DD-4
DD-5
DD-6
DD-7
DD-8
DD-9
DD-10
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1154413
1154416
1154401
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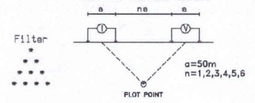
I.P. Survey by Val d'Or Geophysics
August 1996

LEGEND

DIPOLE–DIPOLE ARRAY



Instruments: Phoenix IPT–1 Tx, Turbo V–4 Rx
Frequency: 1.0 Hz
Operator: Remy Belanger

I.P. survey by: Remy Belanger
October 1996

INTERPRETATION

Polarisation increase accompanied by a significant decrease of the apparent resistivity.
Semi–massive to massive sulphides, graphite. Normally will cause a conductor on an E.M. survey such as MaxMin or Input.

Polarisation increase without any significant decrease of the apparent resistivity.
Disseminated to stringer to semi–massive sulphides, discontinuous graphite, sphalerite–rich sulphides. Also altered, pyritized structures. METALLIC MINERALS, MASSIVE MAGNETITE, MICACEOUS MINERALS.

Poorly defined polarisation increase with no apparent resistivity signature.
Small quantities of sulphides, narrow mineralized veins, sometimes noisy readings, due to contact problems. MAGNETITE, CLAY OR MICACEOUS MINERALS.

Resistivity (Ohm–metres)	Polarisation (mRadians)
231	8.6
318	4.2
377	1.6
418	0.1
467	0.1
472	0.5

N

TL 2250 mN

TL 1250 mN

BL 0 mN

TL 850 mS

L 5000 mE

L 6000 mE

L 7000 mE

L 8000 mE

L 9000 mE

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

16.7
15.1
14.1
13.2
12.4
11.6
11.0
10.3
9.7
9.0
8.2
7.4
6.6
5.5
3.9
0.2

1211694

1211695

1211696

1211697

1211698

1129857

1129858

1205740

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DUPLICATE ~~COPY~~

2.17226

41O16SW0016 2.17226 DORE

220

Scale 1:10,000

200m 0 400m 800m

LES MINES INMET

INMET MINING CORPORATION
EXPLORATION DIVISION
ROUYN–NORANDA, QUEBEC

SWAYZE PROJECTS

INDUCED POLARIZATION SURVEY

Contours of the polarization (I.P. effect)

Data processing and interpretation by:	Coppell & Dore Twps., Ont.
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