

GÉOLA
CONSEIL EN EXPLORATION

INDUCED POLARIZATION SURVEY
Performed on a property owned by
CAMECO GOLD INC.
MUSKRAT & ENGLISH PROJECTS
English and Semple townships, Ont.
C.Lavoie Ing., Ph.D. July 1997

2 . 1 7 6 8 9

97-918



42A03SE0030 2.17689 ZAVITZ

010

INTRODUCTION

An induced polarization survey has been performed over a property owned by **CAMECO GOLD INC.** The property is located in English and Semple townships, province of Ontario.

The I.P. survey was performed in order to define polarizable and/or conductive horizons to which economic mineralization may be associated.

PROPERTY , LOCATION AND ACCESS

The property is located about 50 km south of the town of Timmins and 90 km west of the town of Kirkland Lake, more precisely in English and Semple townships, province of Ontario. The surveys was done on part of the following claims (\pm 1146 hectares):

English township:

Grid "B": (\pm 112 hectares)

Licence

1155938 et 1204470

Grid "C": (\pm 224 hectares, 32 hectares included also in grid "D")

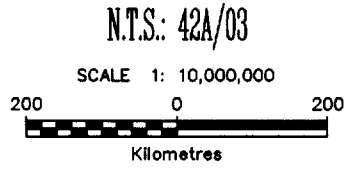
Licence

1147266 & 1147268
1206817

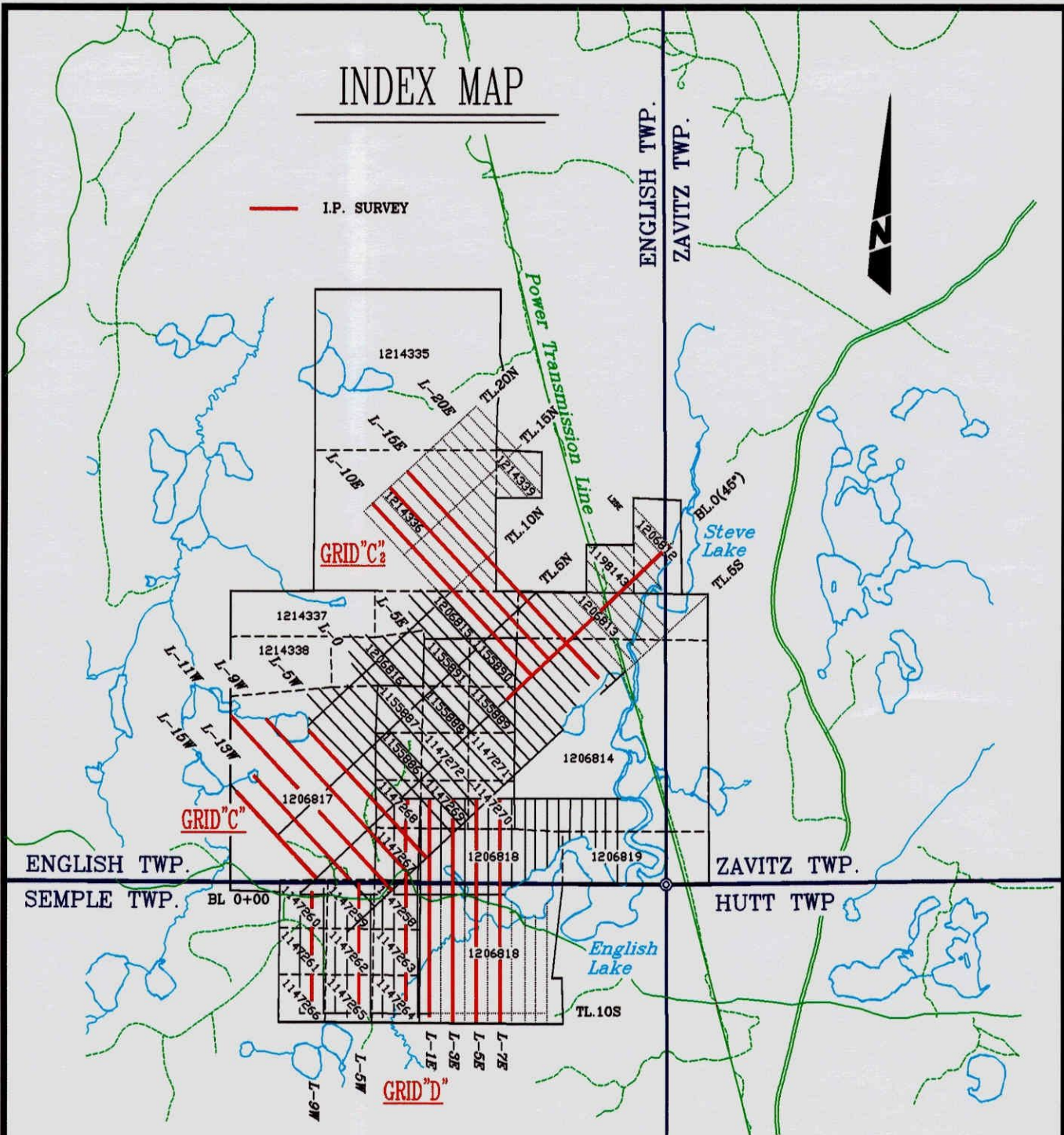
LOCATION MAP



CAMECO GOLD INC.
MUSKRAT & ENGLISH PROJECTS
English & Semple Twps., Ont.



INDEX MAP

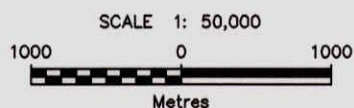


CAMECO GOLD INC.

ENGLISH PROJECT

English & Semple Twps., Ont.

N.T.S. 42A/03



GEOLA LTEE 97-918

Grid "C2": (\pm 432 hectares)

Licence

1155890
1206813 to 1206815
1214336

English and Semple townships:

Grid "D": (\pm 410 hectares)

Licence

1147258 to 1147266
1147267 to 1147270
1206818

From Timmins, we may have access to the grid using the Pine street road to the south. Access is also possible from the town of Matachewan.

GEOPHYSICAL WORK

During the period of June 20th to July 4th 1997, an I.P. survey (27.725 km) was performed using a BRGM IP-6 "TIME domain" receiver and a Phoenix IPT-1 transmitter (1 kW). The employed configuration was dipole-dipole, along with the following parameters: $a = 25$ metres and $n = 1$ to 6.

DISCUSSION ON THE METHODS

The induced polarization method:

The induced polarization survey consists in introducing an electric current into the ground in the form of a "square wave", by means of two metallic electrodes. Two other elec-

trodes permits the measurement of the current and of the voltage present in the ground during the transmission. The resistivity of the ground is then calculated with these two parameters while the chargeability is measured by observing the decrease of the voltage after the current flow stops. The chargeability is in millivolts/volt (mV/V) or milliseconds, and the resistivity in ohm-metres ($\Omega \cdot m$).

The induced polarization method allows the detection of massive or disseminated sulphide zones which are not necessarily conductive. The chargeability intensity of an anomaly depends mainly on the total surface of the disseminated sulphide grains, their nature, the geometrical shape and the depth of the sulphide zone as well as the conductivity and the thickness of the overburden.

That means the intensity of an I.P. anomaly varies with the grain size and theoretically, massive sulphide zones give a lower anomaly in chargeability than the same amount of sulphide disseminated. At the limit, if it is completely massive, we do not have a chargeability anomaly. It is almost impossible to interpret which quantity of sulphide is producing the anomaly. However, from previous data known on the property, we may guess the amount of sulphide.

If a weak anomaly of chargeability coincides to a low resistivity associated to a resistivity gradient, this anomaly may be produced by ionic current. Care should be taken in presence of this phenomenon.

High readings of resistivity normally mean that the bedrock is near the surface. Very often, this is also associated with a higher chargeability reading which is then difficult to say if there is presence of weak disseminated sulphide. High resistivity may also indicate the presence of silicified rocks.

Low readings of resistivity without high chargeability readings normally mean that the current does not reach the bedrock. A greater separation should be used in these areas. However, it may also mean presence of massive sulphide, which may be interpreted by the shape of the anomaly itself.

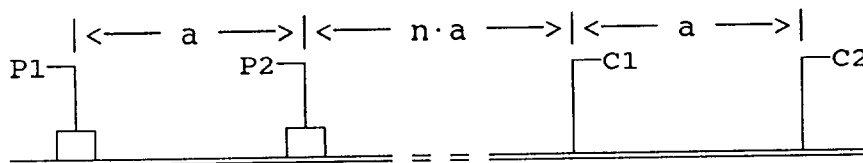
In other words, an induced polarization survey may sometimes be difficult to interpret (it gives no information about the dip) and it is normally recommended to detail any main anomalies and to interpret them with respect to the geological, topographic and all other pertinent information before proceeding with the drilling.

The readings of the survey (dipole-dipole) are plotted in form of pseudo-sections and on the chargeability and resistivity maps. The anomalies are indicated by the appropriate symbolism.

The resistivity was calculated using the following formula:

$$P_a = \pi \cdot n \cdot (n + 1) \cdot (n + 2) \cdot a \cdot V / I \quad \Omega \cdot m$$

Configuration dipole-dipole:



From the pseudo-sections representation of the data, we have combined the six (6) separations as follows:

Separation:

Measures:

n = 1

A.

n = 2

B. C.

n = 3

D. E. F.

n = 4

G. H. I. J.

n = 5

K. L. M. N. O.

n = 6

P. Q. R. S. U. V.

Combinaison: $[A + (B + C)/2 + (D + E + F)/3 + \dots$

$\dots + (G + H + I + J)/4 + (K + L + M + N + O)/5$

$\dots + (P + Q + R + S + U + V)/6] / 6$

The combination of the six separations was calculated for the chargeability and for the resistivity readings. These results were drawn as profiles on the pseudo-sections, and as contours on maps.

We also combined the chargeability and the resistivity readings as follows:

New value: $(\text{Chargeability} \times 1000) / \text{Resistivity}$

This new value permits to enhance the anomalies. It was drawn on the pseudo-sections. If strong variations of resistivity is encountered, it is recommended to go back to the initial data for a better interpretation.

DESCRIPTION AND INTERPRETATION

The induced polarization survey:

The I.P. survey performed on the property permitted to detect many distortions of the chargeability and of the resistivity. We have tried to define all the possible polarizable zones. Thirty six distortions of high or weak polarization have been described in tabular forms at the end of the report. The low resistivity were not described in tabular forms, but their axes were located on the pseudo-sections and on the map. These low resistivities may represent valley or shear zone with no polarized material. All have been plotted with the appropriate symbolism on the pseudo-sections and on the induced polarization and resistivity maps.

The apparent resistivity on the property is generally quite high and more than $1,000 \Omega \cdot m$ with the $n=1$ separation. Where these high resistivities are higher than $10k\Omega \cdot m$, the bedrock is probably outcropping or located near surface.

The first priority (9) anomalies P-05, P-06, P-07, P-15, P-17, P-18, P-22, P-23, and P-31 are quite well defined. Anomalies P-05, P-06 and P-07 were located mainly on the south-east limit of Grid "C" on line 7+00 W and on the north limit of Grid "D" line 1+00 W. They are quite limited, but strong. We should verify in the field if there is presence of metallic scrap in this area. These anomalies need to be explained in the field or be drilled if this has not been done in the past. Anomaly P-15 detected on Grid "D" is well defined on line 1+00 W and some IP detail is required more west before drilling it. The chargeability anomalies P-17 and P-18 are associated to high resistivity background, and we should be able to explain them by trenching or by visiting the outcrops. Anomalies P-22 and P-23 are also quite strong. Since, we had surveyed only line 5+00 W and line 9+00 W in the area, we are not sure if we have joint them correctly. More IP detail is required to better define these anomalies. Anomaly P-31 detected on Grid "C2" is well defined, and should be explained by a diamond drill hole.



The second priority (10) anomalies are P-02, P-04, P-09, P-16, P-19, P-21, P-25, P-26, P-30 and P-33. With a good geological survey, we should be able to explain anomalies P-02, P-19, and P-21. Anomalies P-16, P-25, P-26 and P-30 need to be detailed. Anomalies P-04, P-09 and P-33 are weak, but they seem real. All these second priority anomalies need to be valorized with other geoscientific data before recommending them for drilling.

The other third and fourth priority anomalies (17) are very weak, not well defined and sometimes doubtful. They were located on the map in case it may help to follow some known mineralization or structure. They can eventually be re-evaluated using all the available geoscientific data on this property. They should be compared to the low resistivity as priority. Presence of very weak disseminated sulphide is possible, but in some case, these low chargeabilities may also be produced by higher rock resistivity. In some case, it should be possible to explain these by a visit of the outcrops in the field (at least anomalies P-03 and P-20).

CONCLUSION AND RECOMMENDATIONS

The I.P. survey performed on the **CAMECO GOLD INC.** property permitted to detect well defined anomalies. Nine (9) of them have been classified in the first priority, and should be explained in the field or be verified by drilling if that has not been done in the past. The second priority anomalies (10 of them) should also be visited in the field, but they normally have to be valorized with other informations before deciding to drill them. Study of all other available geoscientific informations will permit to re-evaluate the lower third and fourth priority anomalies.

We had lot of difficulty to joint the anomaly axes from one line to the other, since the interval between the IP survey lines were at least of 200 meters. A more systematic IP survey would have help us in our interpretation. The present IP survey give an outline of the situation on this property. We are recommending to re-evaluate it, with all the available geoscientific data, using at least a magnetic survey and a detailed geological survey.

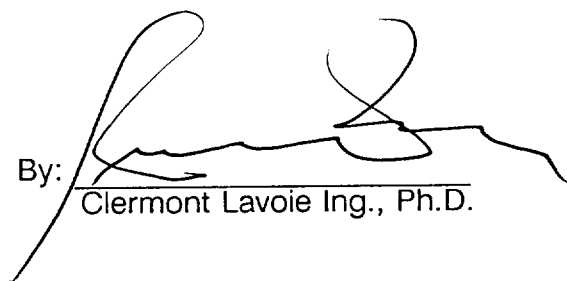
Difficulties encountered during the survey:

The survey was supposed to be done at the beginning of June, but was delayed due to the restraint access proclaimed by the Fire forest department of Ontario. Later on, the survey was done slowly, because the lines were not cut as it was supposed to be, and the IP crew had to wait for the line cutters.

On Grid "B", we have surveyed two lines and have find out that the current was not penetrating the ground. We were in presence of a thin conductive horizontal layer covering a high resistivity layer. The current was flowing at surface without penetrating. The survey was discontinued on this Grid "B" after having surveyed line 8+00 N and a part of line 6+00 N, which results are included in this report.

Respectfully submitted,

By:



Clermont Lavoie Ing., Ph.D.

DESCRIPTION OF INDUCED POLARIZATION ANOMALIES

Project: MUSKRAT PROJECT

Township: English, Ont.

MAP NO.	ANOMALY	LINE	STATION	LENGTH (m)	CHARGEABILITY Anomaly Base	RESISTIVITY Anomaly Base	ASSOCIATION	REMARKS AND RECOMMENDATIONS	P r i o
"C"	P-01	11+00 W	10+92 N	----	3.3/<3	601/grad.	Low resistivity at station 11+48N	May be associated to a low resistivity at station 11+48 N. Not well defined	3
"C"	P-02	13+00 W	8+55 N	>200	8.9/<6	9798/13K	Possible disseminated mineralization in siliceous rock.	Should be explained by a visit of the outcrops.	2
"C"	P-03	9+00 W	7+50 N	>600?	9.3/<6	21K	Possible weak disseminated mineralization in siliceous rock.	Not well defined. Should be visited in the field.	3
"C"	P-04	11+00 W	4+58 N	>600?	4.4/<4	216/>1500	Possible weak disseminated mineralization in a shear zone.	Not very strong, but seems real.	2
"C-D"	P-05	7+00 W	1+02 S	>1500?	23/<2	716/>1000	See in the field if presence of metallic scrap.	Strong, should be explained.	1
"C"	P-06	7+00 W	1+42 S	>100	82/<2	510/>1000	See in the field if presence of metallic scrap.	One line only. Should be explained.	1
"C"	P-07	7+00 W	2+19 S	----	29/<2	844/>1000	See in the field if presence of metallic scrap.	One line only. Should be explained.	1
"C"	P-08	15+00 W	2+67 N	?	2.6/<2	228/stable	Possible weak disseminated mineralization in a shear zone.	Not well defined. May be detailed more west.	3
"C-D"	P-09	1+00 E	4+64 N	>1500	5.2/<2	1622/	Possible weak disseminated mineralization.	Not well defined. Seems to be parallel to ano. # P-05.	2
"C"	P-10	9+00 W	3+88 W	----	4.2/<3	1095/grad.		One line only. Limit of the survey. Not well defined.	3

CHARGEABILITY: Chargeability in mV/V;

RESISTIVITY: Resistivity in ohms-metres;

Base: Approximate base level near the anomaly;

Prio: Priority;

1 nT = 1 gamma.

DESCRIPTION OF INDUCED POLARIZATION ANOMALIES

Project: MUSKRAT PROJECT

Townships: English and Semple, Ont.

MAP NO.	ANOMALY	LINE	STATION	LENGTH (m)	CHARGEABILITY	RESISTIVITY	ASSOCIATION	REMARKS AND RECOMMENDATIONS	P r i o
					Anomaly Base	Anomaly Base			
"C"	P-11	7+00 W	0+67 N	----	4.3/<2	3288/grad.		Weak and doubtful. Not well defined.	3
"D"	P-12	1+00 W	2+12 N	----	2.5/<2	215/>300		One line only. weak and doubtful.	3
"D"	P-13	1+00 W	4+12 N	----	12/<2	3051/grad.		May be the extension of Ano. P-09. Not well defined.	3
"D"	P-14	3+00 E	2+12 N	----	3/<2	123/	Poss. weak disseminated mineralization in a shear zone or contact	One line only. Weak and doubtful.	3
"D"	P-15	1+00 W	1+32 S	>600?	13/<1	249/>500	Possible disseminated mineralization in a shear zone.	Well defined on line 1+00 W. Should be explained. Detail required.	1
"D"	P-16	1+00 E	2+66 S	----	9.6/<2	654/>2000	May be the extension of anomaly P-15?	One line only. Detail required.	2
"D"	P-17	1+00 W	5+48 S	>1500?	16/<5	2163/>11K	Possible disseminated mineralization in a shear zone.	Should be explained by a visit of the outcrops.	1
"D"	P-18	1+00 W	6+25 S	>1000?	21/<7	6682/>10K	Possible disseminated mineralization in siliceous rock.	Should be explained by a visit of the outcrops.	1
"D"	P-19	9+00 W	4+86 S	>800?	24/<7	13K	Possible weak disseminated mineralization in siliceous rock.	Should be explained by a visit of the outcrops.	2
"D"	P-20	5+00 E	8+04 S	----	9.1/<7	17K	Possible weak disseminated mineralization in siliceous rock.	One line only. Not well defined. Should be visited in the field.	3

CHARGEABILITY: Chargeability in mV/V;

RESISTIVITY: Resistivity in ohms-metres;

Base: Approximate base level near the anomaly;

Prio: Priority;

1 nT = 1 gamma.

DESCRIPTION OF INDUCED POLARIZATION ANOMALIES

Project: MUSKRAT PROJECT

Townships: English and Semple, Ont.

MAP NO.	ANOMALY	LINE	STATION	LENGTH (m)	CHARGEABILITY <u>Anomaly</u> Base	RESISTIVITY <u>Anomaly</u> Base	ASSOCIATION	REMARKS AND RECOMMENDATIONS	P r i o
"D"	P-21	3+00 E	9+64 S	200	14/<7	16K	Possible weak disseminated mineralization in siliceous rock.	Should be explained by a visit of the outcrops.	2
"D"	P-22	9+00 W	5+50 S	>400?	43/<7	3347/grad.	Possible weak disseminated mineralization at a contact.	Should be explained. Detail required.	1
"D"	P-23	9+00 W	6+66 S	>400?	31/<4	1234/grad.	Possible weak disseminated mineralization at a shear zone.	Should be explained. Detail required.	1
"D"	P-24	9+00 W	7+12 S	----	11/<4	929/>2000		One line only. Possible diss. mine. at depth.	3
"D"	P-25	9+00 W	8+64 S	----	4.2/<3	226/>1000	Possible weak disseminated mineralization in a shear zone.	One line only, but seems real. Detail required.	2
"C2"	P-26	14+00 E	18+12 N	>200?	6.9/<4	2850/>3000	Possible weak disseminated mineralization in siliceous rock.	Should be explained. To be detailed.	2
"C2"	P-27	12+00 E	17+14 N	----	6.4/<4	6271/>5000	Possible weak disseminated mineralization in siliceous rock.	One line only. Weak and doubtful.	3
"C2"	P-28	14+00 E	14+53 N	>400?	4.2/<3	1868/	Possible weak disseminated mineralization in siliceous rock.	Not well defined. Weak and doubtful.	3
"C2"	P-29	10+00 E	11+54 N	----	3./<3	1294/	Possible weak disseminated mineralization in siliceous rock.	One line only. Weak and doubtful.	4
"C2"	P-30	10+00 E	10+43 N	>400?	7.8/<3	3070/>3500	Possible weak disseminated mineralization in siliceous rock.	Seems real on line 10+00 E. Detail required.	2

CHARGEABILITY: Chargeability in mV/V;

RESISTIVITY: Resistivity in ohms-metres;

Base: Approximate base level near the anomaly;

Prio: Priority;

1 nT = 1 gamma.

DESCRIPTION OF INDUCED POLARIZATION ANOMALIES

Project: MUSKRAT PROJECT

Township: English, Ont.

MAP NO.	ANOMALY	LINE	STATION	LENGTH (m)	CHARGEABILITY	RESISTIVITY	ASSOCIATION	REMARKS AND RECOMMENDATIONS	P r i o
					Anomaly Base	Anomaly Base			
"C2"	P-31	14+00 E	9+02 N	>400	30/<4	175/>2000	Possible disseminated mineralization in a shear zone.	Strong and well defined. Should be explained.	1
"C2"	P-32	14+00 E	7+30 N	----	5.5/<2	2097/		Not well defined. Weak and doubtful.	3
"C2"	P-33	10+00 E	4+94 N	>400	4.4/<2	383/	Possible weak disseminated mineralization.	Weak, but seems real.	2
"C2"	P-34	12+00 E	4+04 N	----	3.2/<2.5	492/grad	Possible weak disseminated mineralization at a contact.	One line only. Not well defined.	3
"C2"	P-35	14+00 E	3+13 N	----	3.0/<2.5	172/>250	Possible weak disseminated mineralization at a shear zone.	One line only. Weak and doubtful.	3
"C2"	P-36	Base line 0+00 N	8+05 E	----	3.0/<2.5	531/grad.		Weak and doubtful.	3

CHARGEABILITY: Chargeability in mV/V;

RESISTIVITY: Resistivity in ohms-metres;

Base: Approximate base level near the anomaly;

Prio: Priority;

1 nT = 1 gamma.



STATEMENT FOR ASSESSMENT WORK

I, the undersigned, Clermont Lavoie, for **Géola Limitée**, certify to the following:

During the period of June 20th to July 4th 1997, an I.P. survey (27.725km) was performed using a BRGM IP-6 "TIME domain" receiver and a Phoenix IPT-1 transmitter (1 kW). The employed configuration was dipole-dipole, along with the following parameters: $a = 25$ metres and $n = 1$ to 6.

The property is located about 50 km south of the town of Timmins and 90 km west of the town of Kirkland Lake, more precisely in English and Semple townships, province of Ontario. The surveys was done on part of the following claims (± 1146 hectares):

English township:

Grid "B": (± 112 hectares)

Licence

1155938 et 1204470

Grid "C": (± 224 hectares, 32 hectares included also in grid "D")

Licence

1147266 & 1147268
1206817

Grid "C2": (± 432 hectares)

Licence

1155890
1206813 to 1206815
1214336

English and Semple townships:

Grid "D": (± 410 hectares)

Licence

1147258 to 1147266
1147267 to 1147270
1206818

From Timmins, we may have access to the grid using the Pine street road to the south. Access is also possible from the town of Matachewan.

Description of the I.P. method:

Transmitter: Phoenix IPT-1 (1 kW);
Receiver: BRGM IP-6;
Configuration: Dipole-dipole;
Separation: $a = 25$ m, $n = 1$ to 6
Measure. interval: 25 m;

TIME domain;
Parameters: Resistivity and chargeability:
Time sequence: 2 s +ON, 2 s OFF, 2 s -ON;
Integrations: start = 0,16 s; end = 1,74 s.

Operators:

(11 days) Jacques Demers
663 R.R. #1
Authier-Nord, Qc

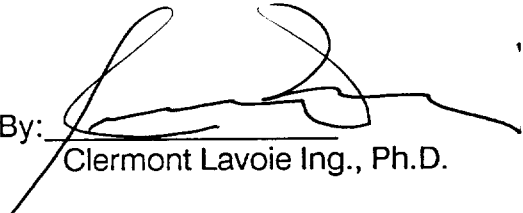
(11 days) Lionel Bruneau
664 rang 9
Authier-Nord, Qc

(11 days) Joel Bruneau
664 Rang 6
Authier-Nord, Qc

(11 days) Steeve Bruneau
664 Rang 6
Authier-Nord, Qc

(11 days) Dominic Dubé
403 Rang 9
Authier-Nord, Qc

Respectfully submitted,

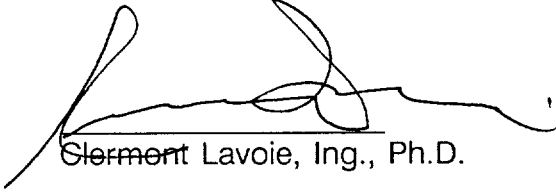
By: 
Clermont Lavoie Ing., Ph.D.



CERTIFICATE

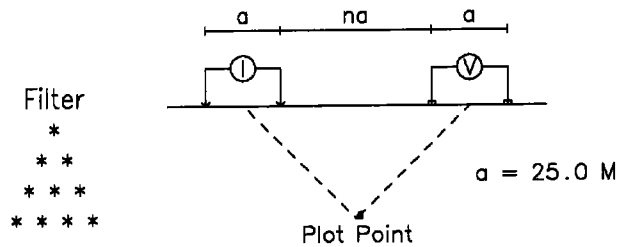
1. I, the undersigned, Clermont Lavoie, residing at 1148 Bérard Avenue, Val d'Or, Quebec, graduated with a B.Sc.A. degree in Geology from Ecole Polytechnique in 1965. I obtained an M.Sc.A. degree in Geophysics from Ecole Polytechnique in 1968 and received a Ph.D. in Geophysics from McGill University in 1972.
2. I am a member of the Order of Engineers of Quebec, the Canadian Institute of Mining and Metallurgy, the Quebec Prospectors Association and the Society of Exploration Geophysicists.
3. I have no direct or indirect interests in the mining claims owned by **CAMECO GOLD INC.** nor in the securities of this company and I have no intention of receiving such interests.
4. The interpretation and recommendations described in this report are based partly on a personal and technical experience in this district of Ontario.
5. I authorize the above-mentioned company to use this report for any legal and/or official purposes.

Signed in Val d'Or, this fifteen (15th) day of the month of July one thousand nine hundred and ninety seven (1997).


Clermont Lavoie, Ing., Ph.D.

Line 800.00 N

Dipole-Dipole



Filter
*
**

Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

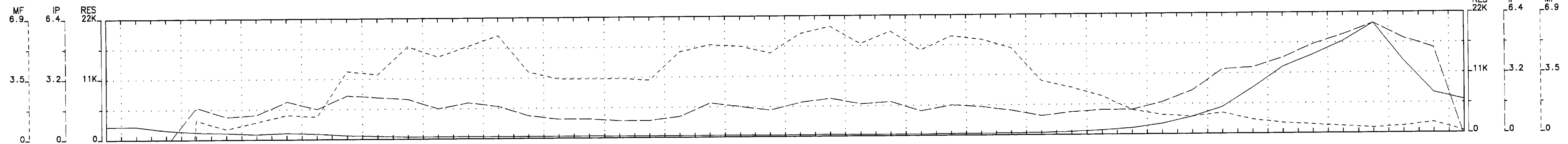
INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

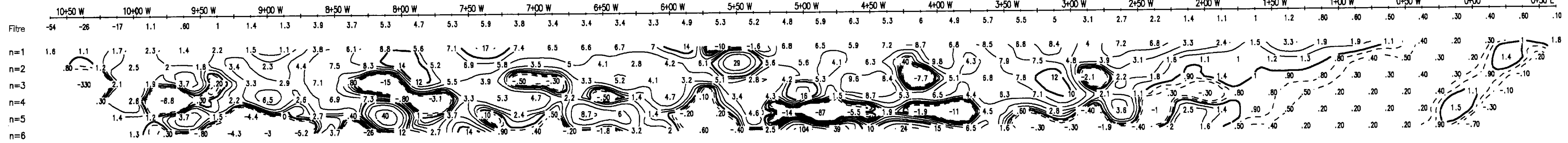
Scale 1:2500



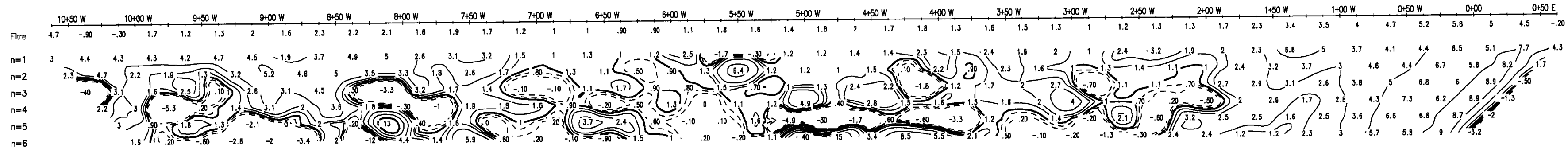
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
MUSKRAT PROJECT (BLOCK B)
English Twp, Ont
Date: 97/07/14
Interpretation: C. Lavoie Eng. Ph. D.
GEOLA LTEE 97-918-00



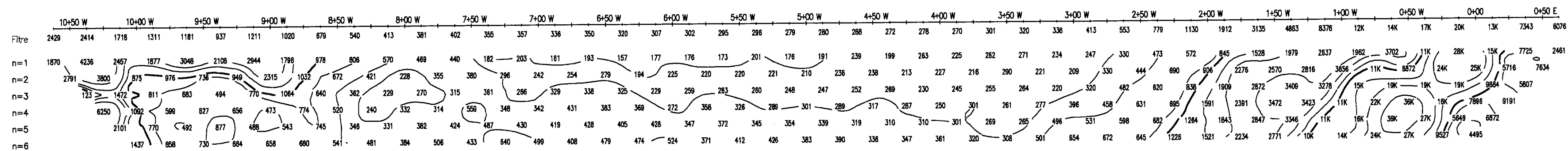
Metal factor
(char * 1000 / res)



Chargeability
(millVolts/Volt)



Resistivity
(ohms-metres)



Metal factor
(char * 1000 / res)

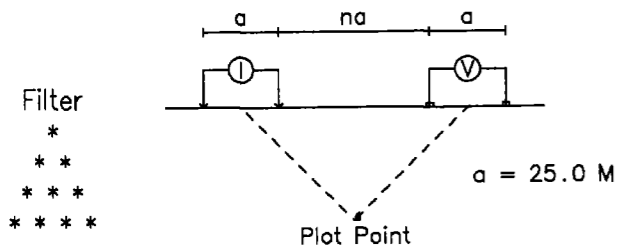
Chargeability
(millVolts/Volt)

Resistivity
(ohms-metres)

Line 800.00 N

Line 600.00 N

Dipole-Dipole



Operator : J. Demers
 Receiver : IP-6, BRGM
 Transmitter : IPT-1, Phoenix
 Generator : 1.4 kW

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

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

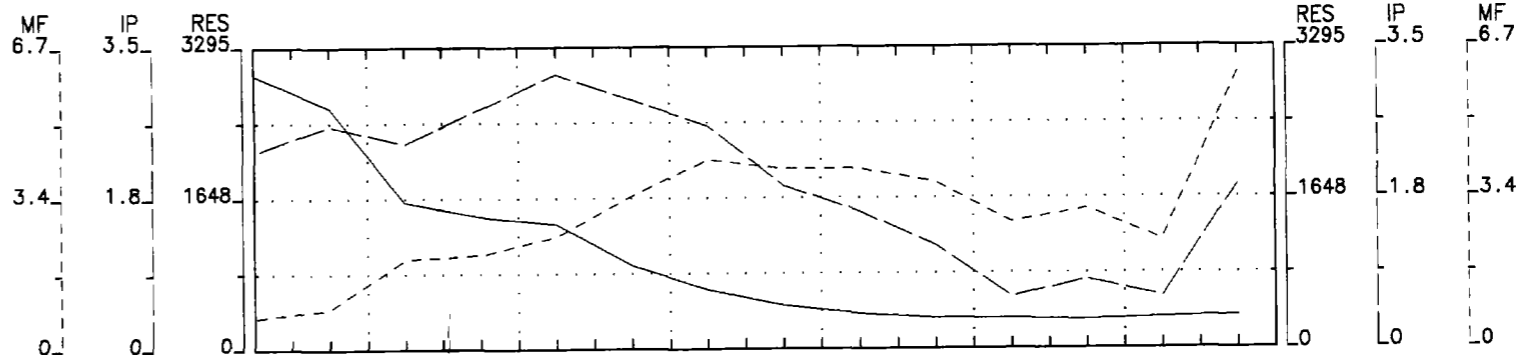
Scale 1:2500



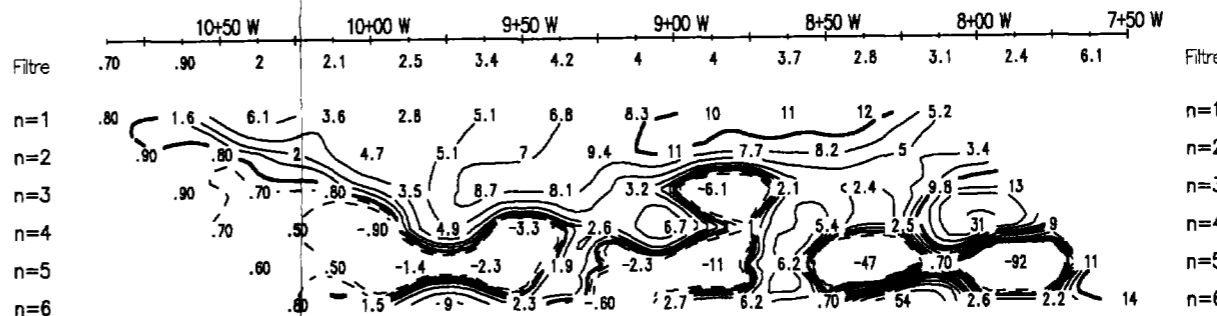
CAMECO CORPORATION
 INDUCED POLARIZATION SURVEY
 MUSKRAT PROJECT (BLOCK B)
 English Twp, Ont

Date: 97/07/14
 Interpretation: C. Lavoie Eng. Ph. D.

GEOLA LTEE 97-918-01

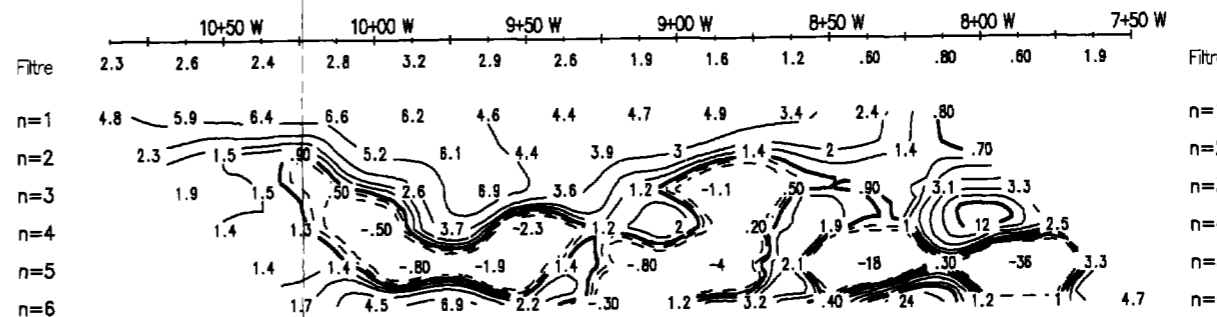


Metal factor
 (char * 1000 / res)



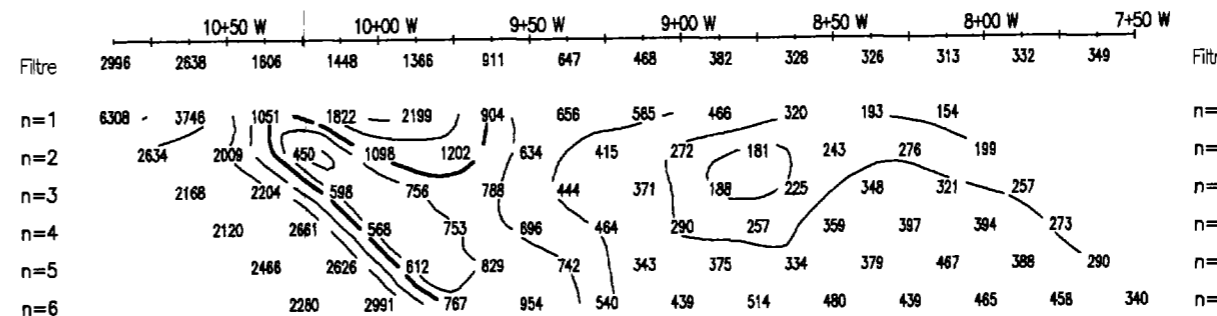
Metal factor
 (char * 1000 / res)

Chargeability
 (milliVolts/Volt)



Chargeability
 (milliVolts/Volt)

Resistivity
 (ohms-metres)

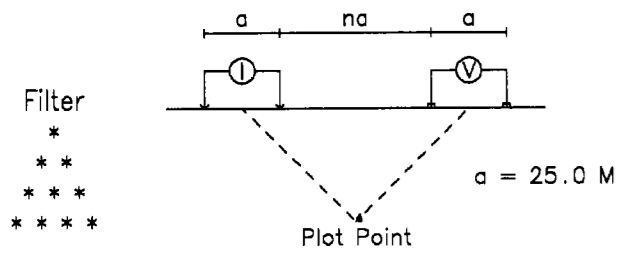


Resistivity
 (ohms-metres)

Line 600.00 N

Line 1500.00 W

Dipole-Dipole



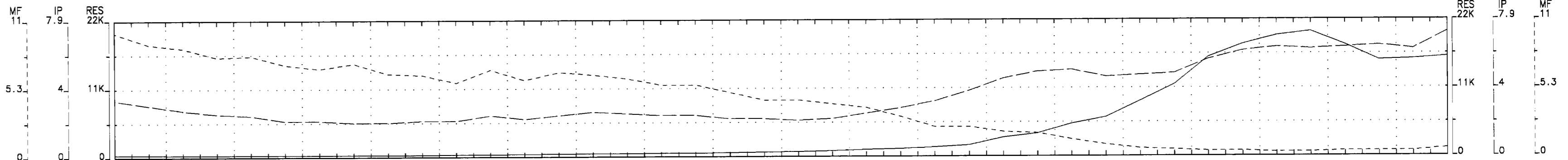
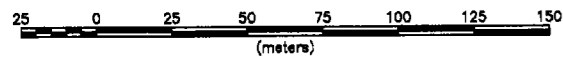
Operator : J. Demers
 Receiver : IP-6, BRGM
 Transmitter : IPT-1, Phoenix
 Generator : 1.4 kW

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

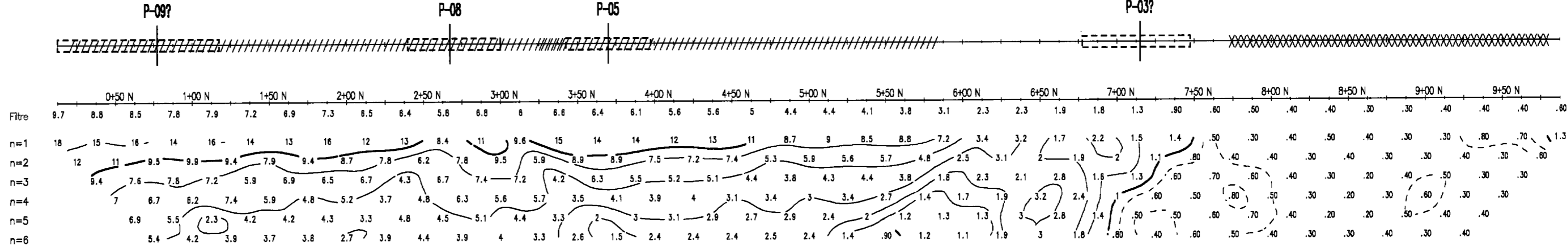
INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

Scale 1:2500

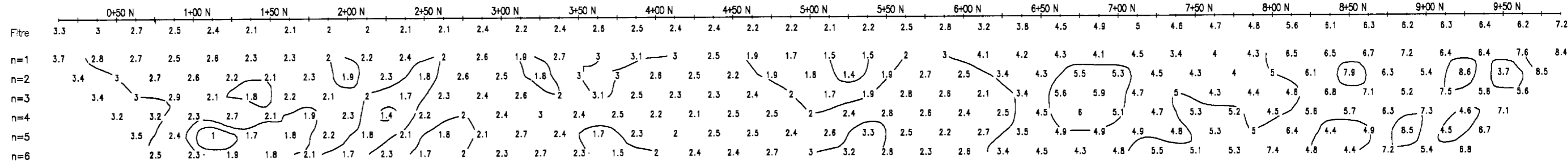


Metal factor
(char * 1000 / res)



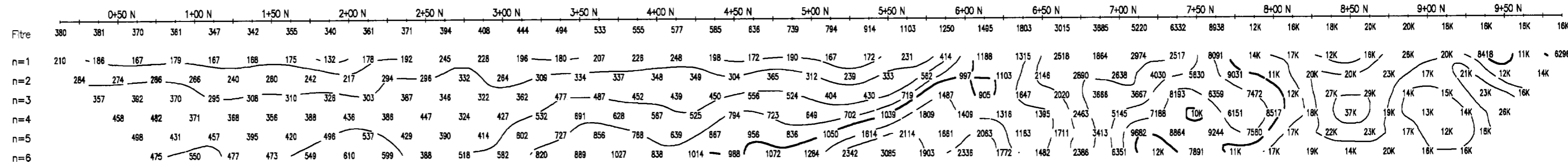
Metal factor
(char * 1000 / res)

Chargeability
(milliVolts/Volt)



Chargeability
(milliVolts/Volt)

Resistivity
(ohms-metres)



Resistivity
(ohms-metres)

CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK C)
English Twp, Ont

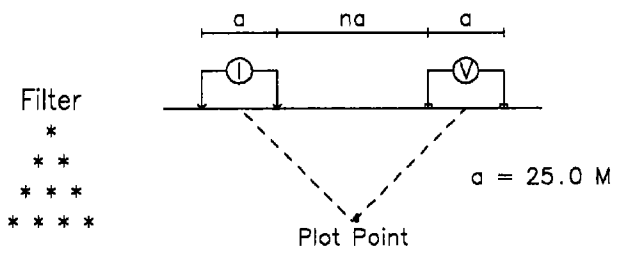
Date: 97/07/11
 Interpretation: C. Lavoie Eng. Ph. D.

GEOLA LTEE 97-918-02

Line 1500.00 W

Line 1300.00 W

Dipole-Dipole



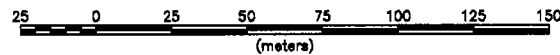
Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

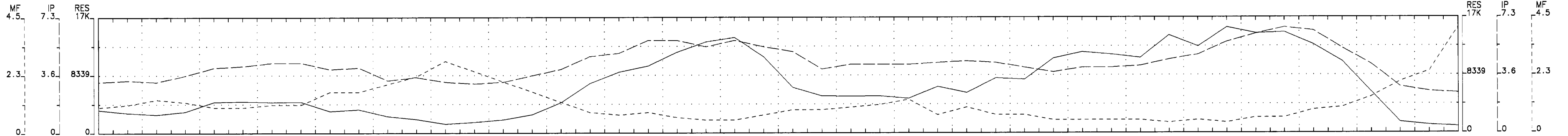
Scale 1:2500



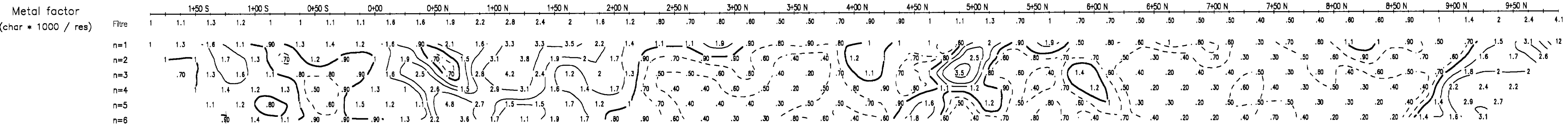
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK C)
English Twp, Ont

Date: 97/07/11
Interpretation: C. Lavoie Eng. Ph. D.

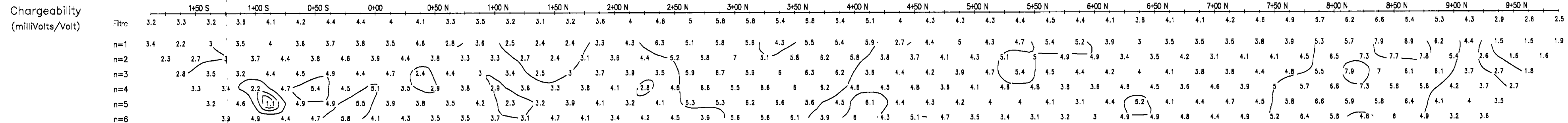
GEOLA LTEE 97-918-03



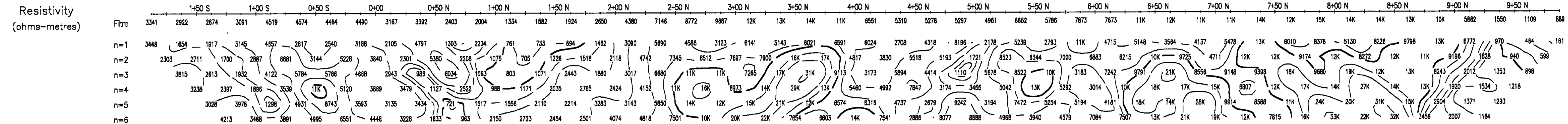
Metal factor
(char * 1000 / res)



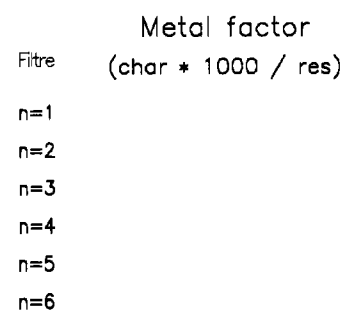
Chargeability
(millVolts/Volt)



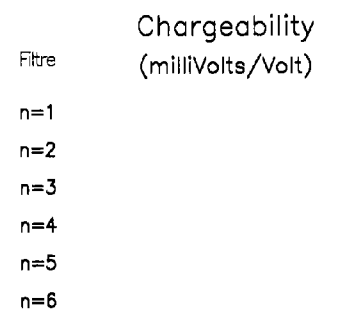
Resistivity
(ohms-metres)



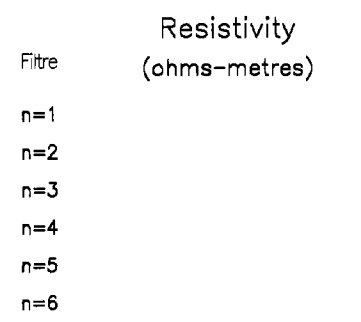
Metal factor
(char * 1000 / res)



Chargeability
(millVolts/Volt)



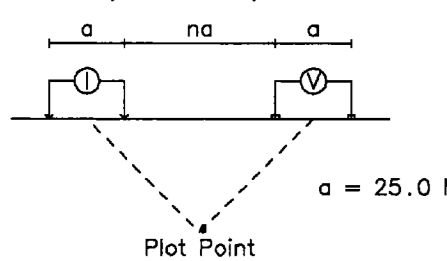
Resistivity
(ohms-metres)



Line 1300.00 W

Line 0.00 N

Dipole-Dipole



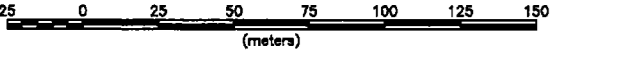
Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

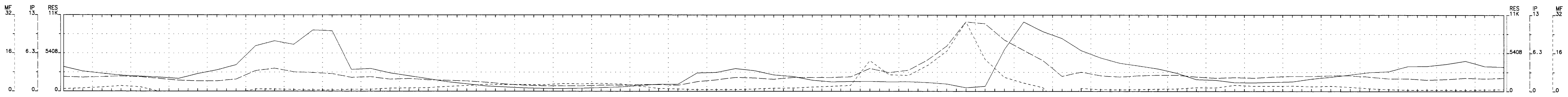
INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

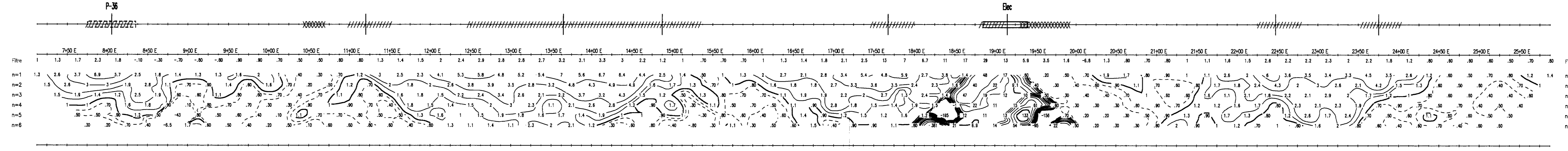
Scale 1:2500



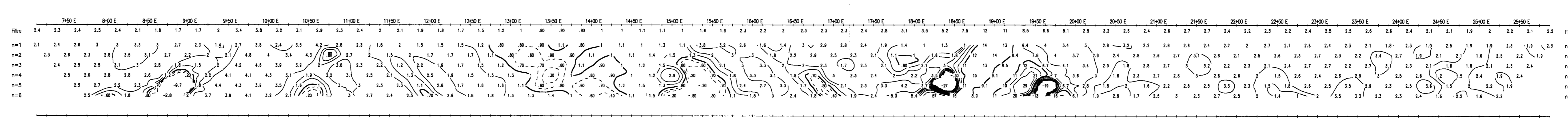
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK C2)
English Twp., Ont
Date: 97/07/14
Interpretation: C. Lavoie Eng. Ph. D.
GEOLA TEE 97-918-07



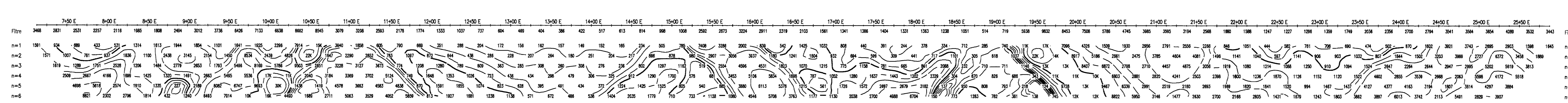
Metal factor (char * 1000 / res)



Chargeability (milliVolts/Volt)



Resistivity (ohms-metres)



Metal factor (char * 1000 / res)

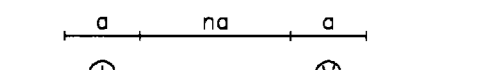
Chargeability (milliVolts/Volt)

Resistivity (ohms-metres)

Line 0.00 N

Line 1000.00 E

Dipole-Dipole



Filter
*
**

a = 25.0 M

Plot Point

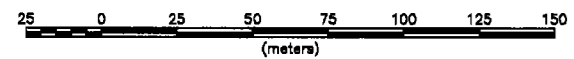
Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

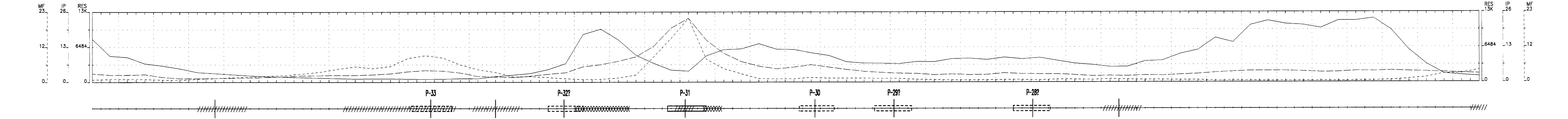
Scale 1:2500



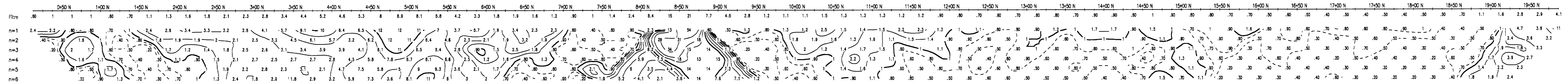
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK C2)
English Twp., Ont

Date: 97/07/14
Interpretation: C. Lavoie Eng., Ph. D.

GEOLA LTEE 97-918-08

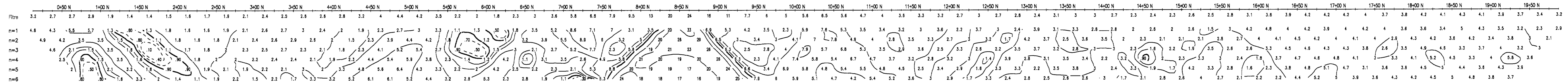


Metal factor
(char * 1000 / res)



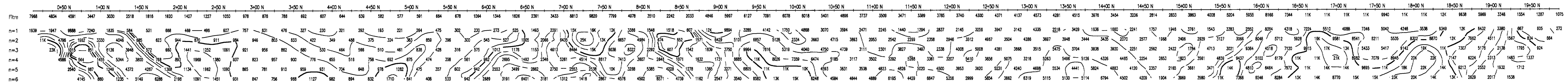
Metal factor
(char * 1000 / res)

Chargeability
(millVolts/Volt)



Chargeability
(millVolts/Volt)

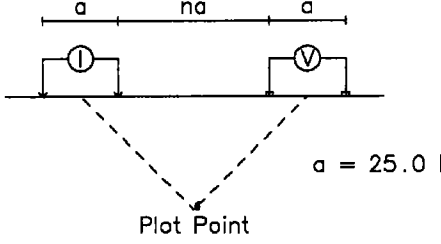
Resistivity
(ohms-metres)



Resistivity
(ohms-metres)

Line 1200.00 E

Dipole-Dipole



Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

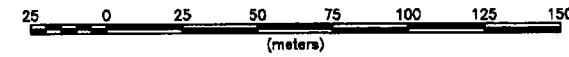
INTERPRETATION

Induced polarization anomaly.

Resistivity low.

Resistivity high.

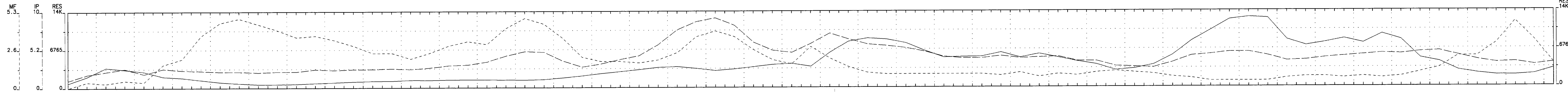
Scale 1:2500



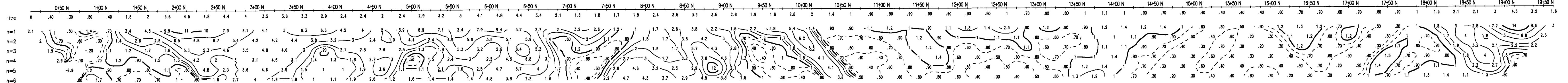
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK C2)
English Twp, Ont

Date: 97/07/14
Interpretation: C. Lavoie Eng. Ph. D.

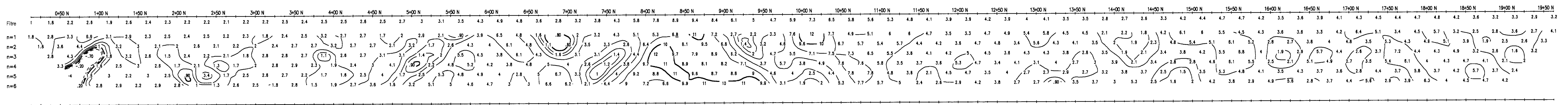
GEOLA LTEE 97-918-09



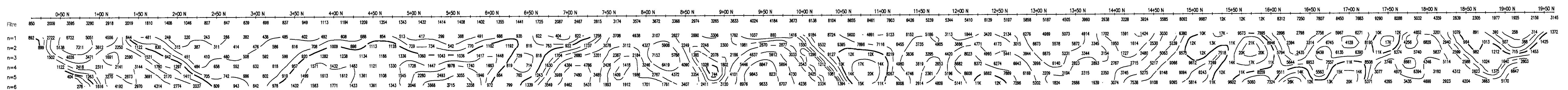
Metal factor (char * 1000 / res)



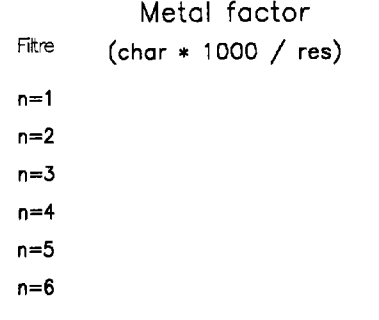
Chargeability (millVolts/Volt)



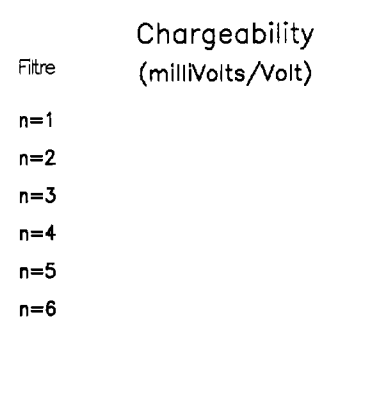
Resistivity (ohms-metres)



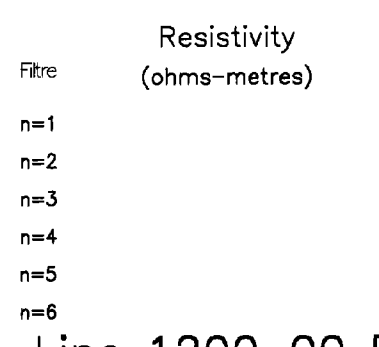
Metal factor (char * 1000 / res)



Chargeability (millVolts/Volt)



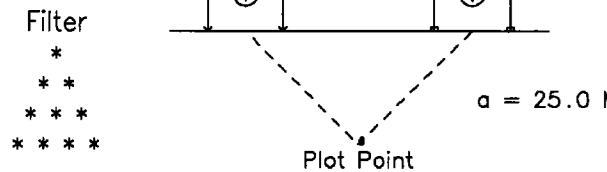
Resistivity (ohms-metres)



Line 1200.00 E

Line 1400.00 E

Dipole-Dipole



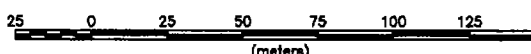
Operator : J. Demers
 Receiver : IP-6, BRGM
 Transmitter : IPT-1, Phoenix
 Generator : 1.4 kW

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

INTERPRETATION

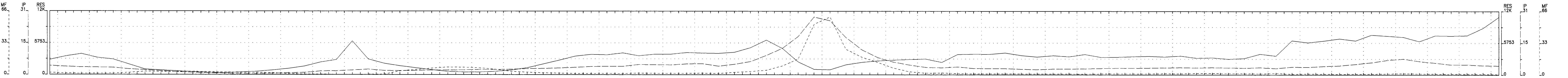
- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

Scale 1:2500

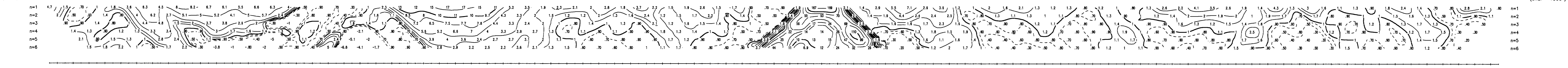


CAMECO CORPORATION
 INDUCED POLARIZATION SURVEY
 ENGLISH PROJECT (BLOCK C2)
 English Twp, Ont

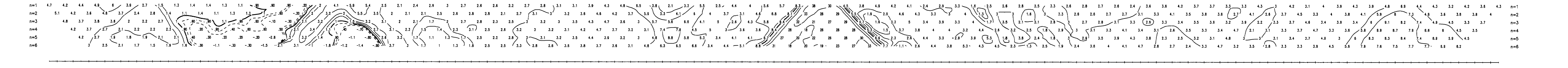
Date: 97/07/14
 Interpretation: C. Lavoie Eng. Ph. D.
 GEOLA LTEE 97-918-10



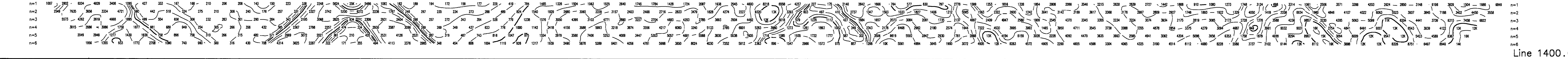
Metal factor (char * 1000 / res)



Chargeability (millVolts/Volt)



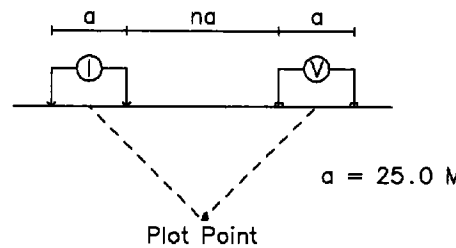
Resistivity (ohms-metres)



Line 700.00 E

Dipole-Dipole

Filter
*
**



a = 25.0 M

Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

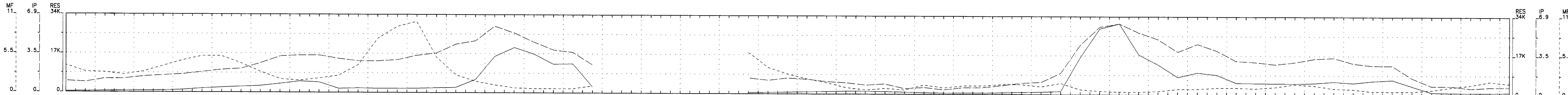
INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

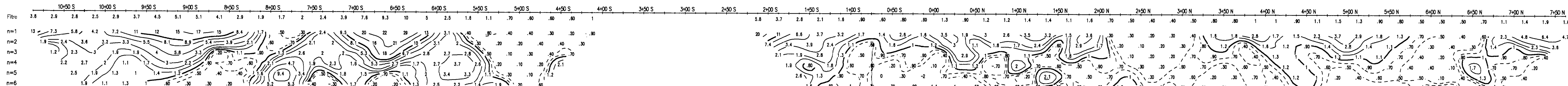
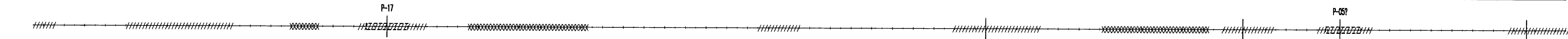
Scale 1:2500



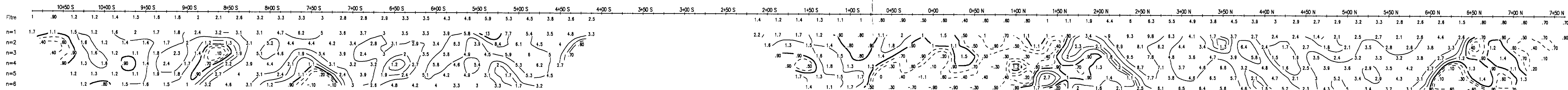
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK D)
English Twp, Ont
Date: 97/07/14
Interpretation: C. Lavoie Eng. Ph. D.
GEOLA LTEE 97-918-11



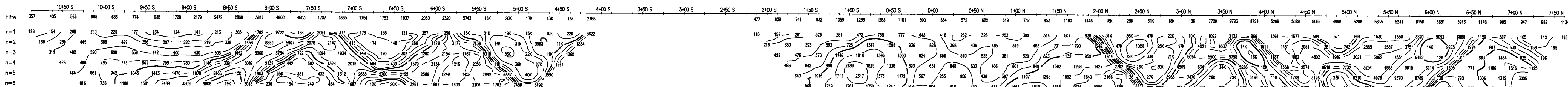
Metal factor
(char * 1000 / res)



Chargeability
(millVolts/Volt)



Resistivity
(ohms-metres)



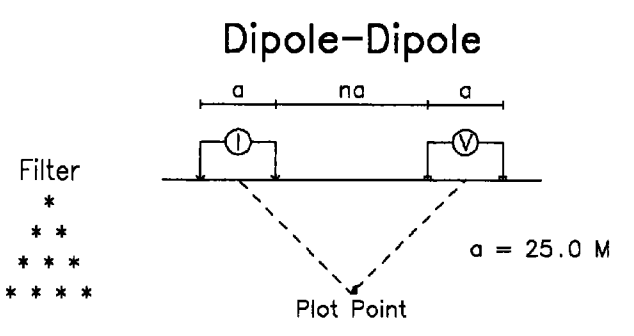
Metal factor
(char * 1000 / res)

Chargeability
(millVolts/Volt)

Resistivity
(ohms-metres)

Line 700.00 E

Line 500.00 E

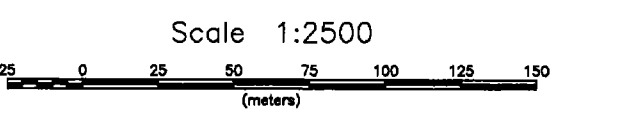


Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

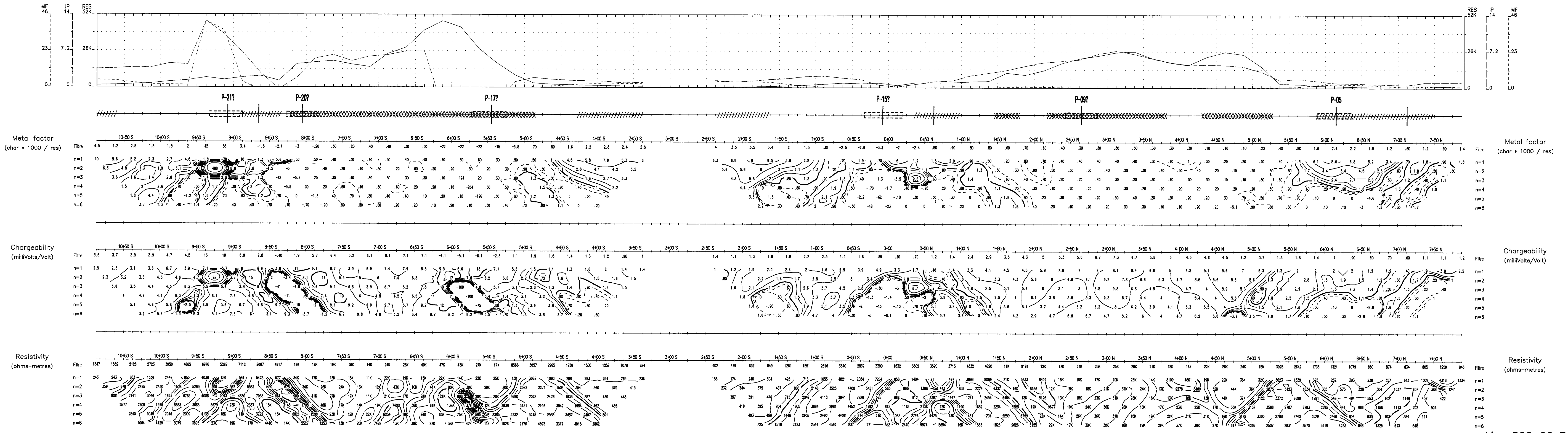
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.



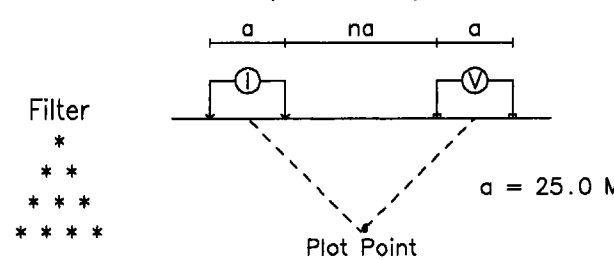
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK D)
English Twp., Ont
Date: 97/07/14
Interpretation: C. Lavoie Eng. Ph. D.
GEOLA LTEE 97-918-12



Line 500.00 E

Line 300.00 E

Dipole-Dipole



Operator : J. Demers
 Receiver : IP-6, BRGM
 Transmitter : IPT-1, Phoenix
 Generator : 1.4 kW

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

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

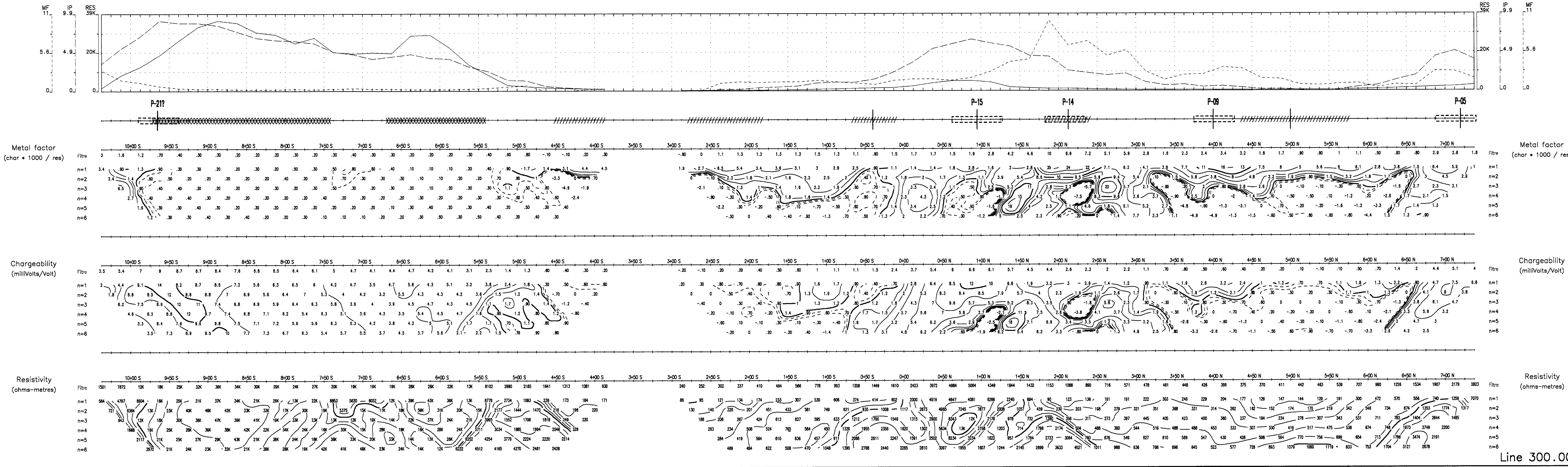
Scale 1:2500



CAMECO CORPORATION
 INDUCED POLARIZATION SURVEY
 ENGLISH PROJECT (BLOCK D)
 English Twp., Ont

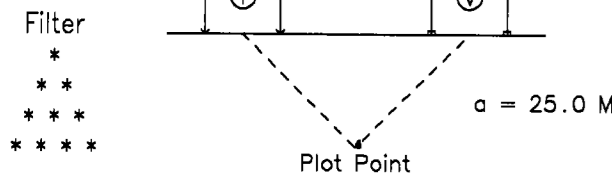
Date: 97/07/14
 Interpretation: C. Lavoie Eng. Ph. D.

GEOLA LTEE 97-918-13



Line 100.00 W

Dipole-Dipole



Operator : J. Demers
 Receiver : IP-6, BRGM
 Transmitter : IPT-1, Phoenix
 Generator : 1.4 kW

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

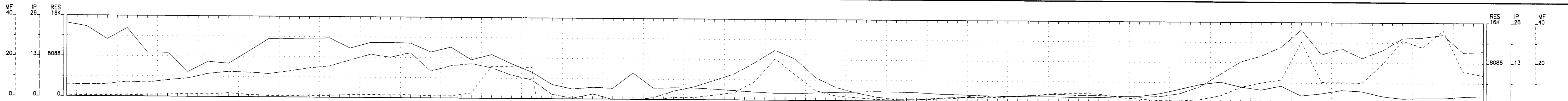
INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

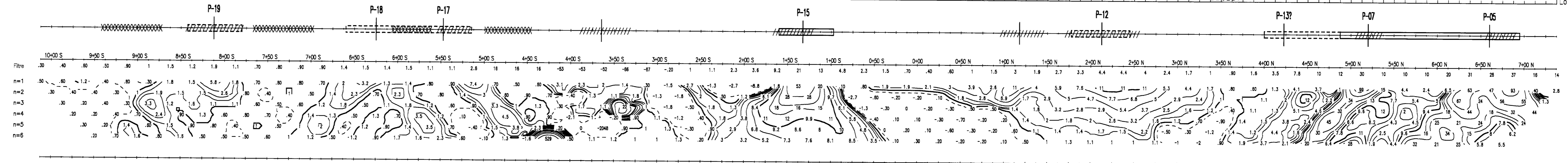
Scale 1:2500



CAMECO CORPORATION
 INDUCED POLARIZATION SURVEY
 ENGLISH PROJECT (BLOCK D)
 English Twp, Ont
 Date: 97/07/14
 Interpretation: C. Lavoie Eng. Ph. D.
 GEOLA LTEE 97-918-15

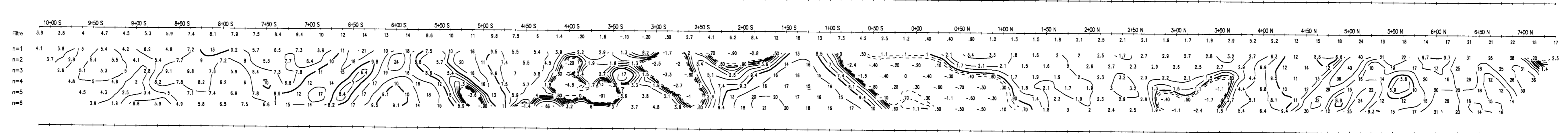


Metal factor
 (char * 1000 / res)



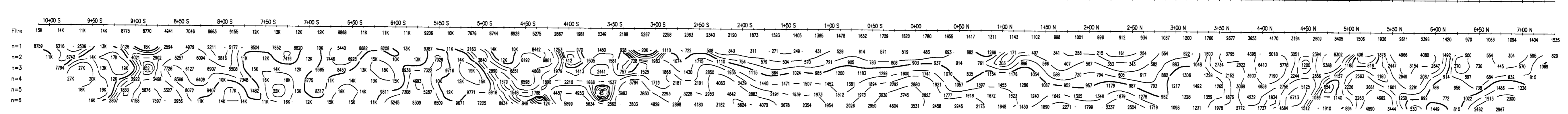
Metal factor
 (char * 1000 / res)

Chargeability
 (milliVolts/Volt)



Chargeability
 (milliVolts/Volt)

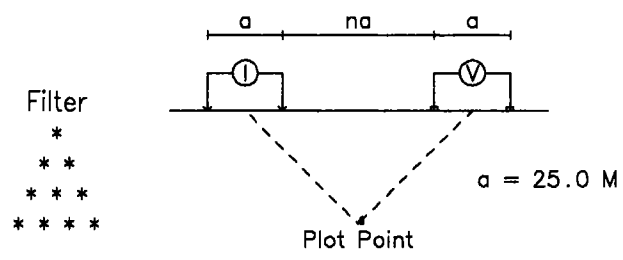
Resistivity
 (ohms-metres)



Resistivity
 (ohms-metres)

Line 900.00 W

Dipole-Dipole



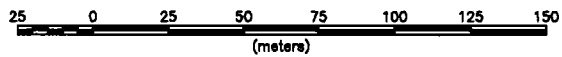
Operator : J. Demers
 Receiver : IP-6, BRGM
 Transmitter : IPT-1, Phoenix
 Generator : 1.4 kW

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

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

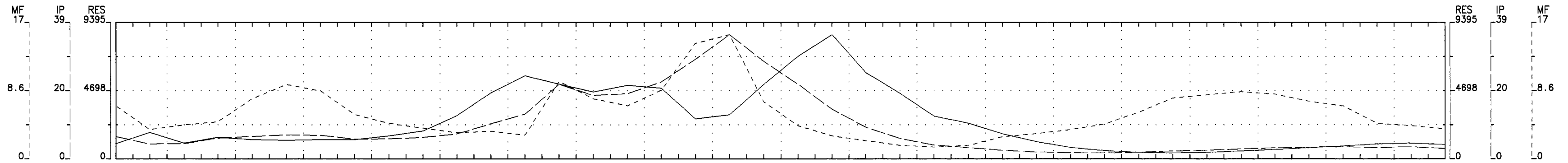
Scale 1:2500



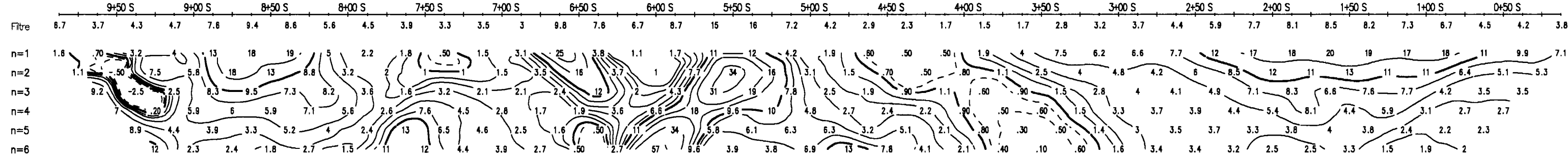
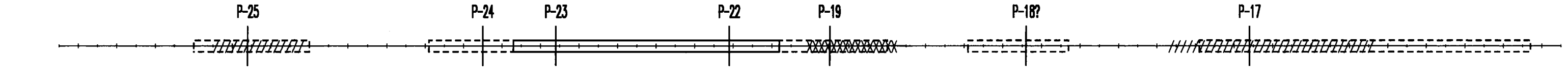
CAMECO CORPORATION
 INDUCED POLARIZATION SURVEY
 ENGLISH PROJECT (BLOCK D)
 English Twp, Ont

Date: 97/07/14
 Interpretation: C. Lavoie Eng. Ph. D.

GEOLA LTEE 97-918-16

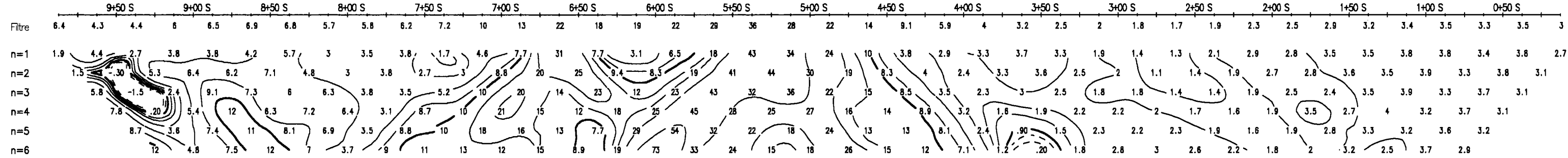


Metal factor
(char * 1000 / res)



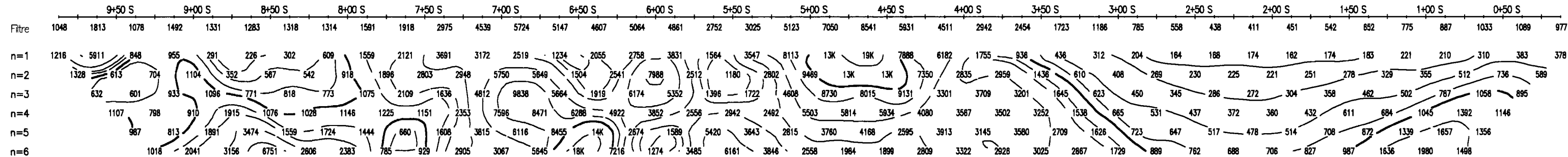
Metal factor
(char * 1000 / res)

Chargeability
(milliVolts/Volt)



Chargeability
(milliVolts/Volt)

Resistivity
(ohms-metres)

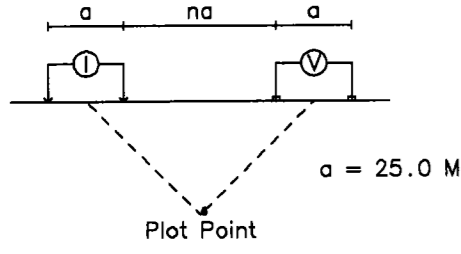


Resistivity
(ohms-metres)

Line 900.00 W

Line 500.00 W

Dipole-Dipole



Filter
*
**

Operator : J. Demers
Receiver : IP-6, BRGM
Transmitter : IPT-1, Phoenix
Generator : 1.4 kW

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

INTERPRETATION

- Induced polarization anomaly.
- Resistivity low.
- Resistivity high.

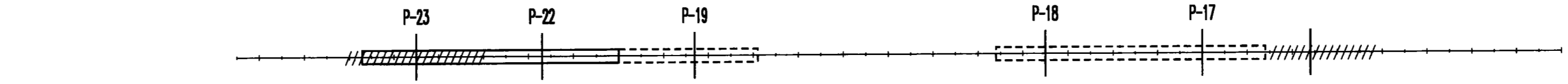
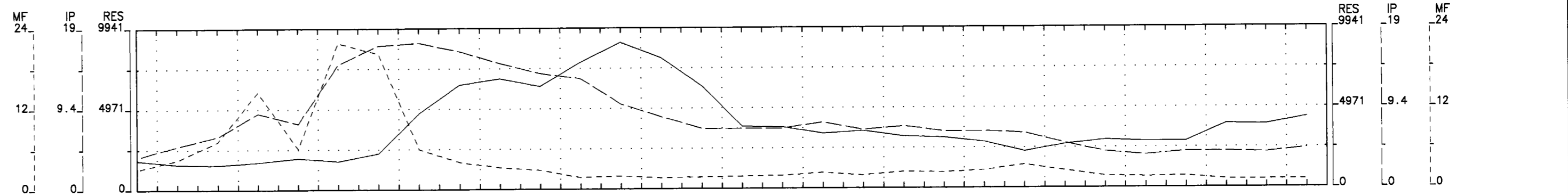
Scale 1:2500



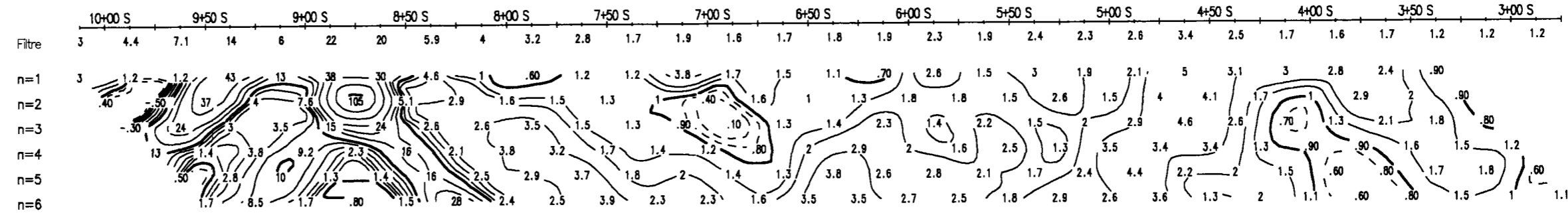
CAMECO CORPORATION
INDUCED POLARIZATION SURVEY
ENGLISH PROJECT (BLOCK D)
English Twp, Ont

Date: 97/07/14
Interpretation: C. Lavoie Eng. Ph. D.

GEOLA LTEE 97-918-17

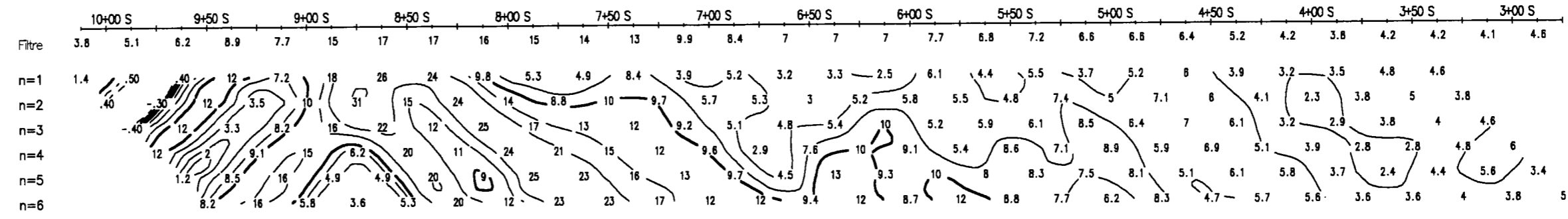


Metal factor
(char * 1000 / res)



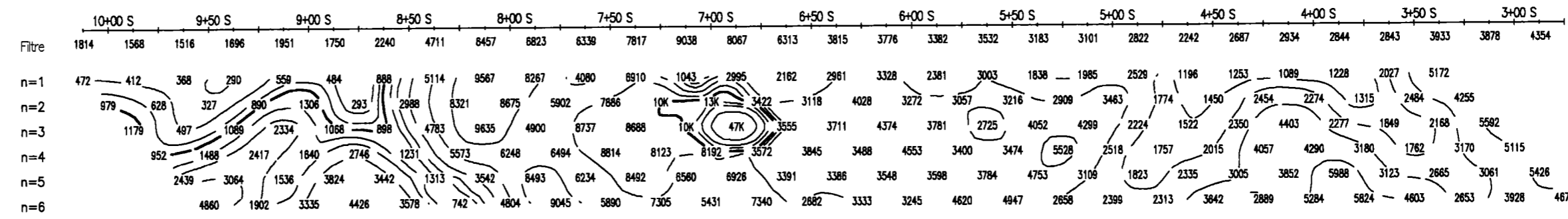
Metal factor
(char * 1000 / res)

Chargeability
(milliVolts/Volt)



Chargeability
(milliVolts/Volt)

Resistivity
(ohms-metres)



Resistivity
(ohms-metres)

Line 500.00 W



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W.9760.00382 Assessment Files Research Imaging

Personal information collected under the Access to Information Act, the information is for the use of the Ministry of Northern Development and Mines. Questions about this collection should be directed to the Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario S3H 5W9.



of the Mining Act. Under section 8 of the Act, the information must correspond with the mining land holder. Ministry of Northern Development and Mines, 6th Floor,

900

Instructions: - For information on how to file a declaration before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Table with columns for Name, Address, Client Number, Telephone Number, and Fax Number. Entries include Cameco Corporation and TRI. Origin Exploration Ltd.

2. Type of work performed: Check (✓) and report only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [checked] Physical: drilling, stripping, trenching and associated assays [unchecked] Rehabilitation [unchecked]

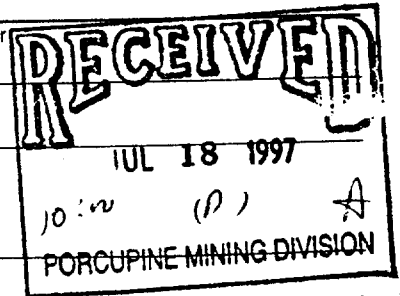
Work Type: IP Geophysics and line cutting. Office Use: Total \$ Value of Work Claimed 35,059. Dates Work Performed: 01/05/97 to 15/07/97. Mining Division: Porcupine.

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked or assigning work; - include two copies of your technical report.

2-17689

3. Person or companies who prepared the technical report (Attach a list if necessary)

Table with columns for Name, Address, Telephone Number, and Fax Number. Entries include Clermont Lavoie - Geola Ltee. and cp. 418 Val d'Or Quebec J9P 4P4.



4. Certification by Recorded Holder or Agent

I, Marian (Mike) Koziol, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Marian Koziol. Date: July 17/97. Agent's Address: Unit 6-1349 Kelly Lake Rd, Sudbury P3E 5P5.

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W-9760-00382

eg	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$8,892	\$4,000	0	\$4,892
1	1147258	1	496✓	∅		496
2	1147260	1	496✓	∅		496
3	1147261	1	496✓	∅		496
4	1147262	1	496✓	∅		496
5	1147263	1	496✓	∅		496
6	1147264	1	496✓	∅		496
7	1147265	1	496✓	∅		496
8	1147266	1	496✓	∅		496
9	1147267	1	1487✓	∅		1487
10	1147268	1	743✓	∅		743
11	1147269	1	619✓	∅		619
12	1147270	1	619✓	∅		619
13	1155890	1	310✓	∅		310
14	1155938	1	372✓	∅	305	305 67
15	1198143	1	372✓	∅		372
Column Totals			SEE NEXT PAGE			

ENTERED OCT 05 1997

HK

I, _____, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing _____ Date _____

6. Instructions for cutting back credits that are not approved. **12.17689**

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working back to first.
- 3. Credits are to be cut back equally over all claims listed in this declaration.
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED
JUL 18 1997
PORCUPINE MINING DIVISION

See next page.

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W. 9760. 00382

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 1204470	6	2095	2400 ✓		
2 1206812	2	496	800 ✓		
3 1206813	4	743	1071 ✓		
4 1206814	16	1674	2781 ✓		
5 1206815	3	1239	∅ ✓		1239
6 1206817	12	8739	2500 ✓	2939	3300
7 1206818	12	6613	4664 ✓		1949
8 1206819	3	∅	1200 ✓		
9 1214336	12	4970	∅ ✓		4970
10					
11					
12					
13					
14					
15					
Column Totals		35,059	15,416	3,244	19,643

ENTERED OCT 05 1997

I, MARIAN (Mike) KOZIO, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: July 17, 1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working back to first.
- 3. Credits are to be cut back equally over all claims listed in this declaration.
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED
 JUL 18 1997
 PORCUPINE MINING DIVISION

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
IP. pot dipole dipole survey	27.725 km.	\$ 959 / km	26591.
Line cutting/ chaining / picketing	30.2 km	\$ 280.40 / km	8468
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			\$ 35059

ENTERED OCT 05 1997

2.17689

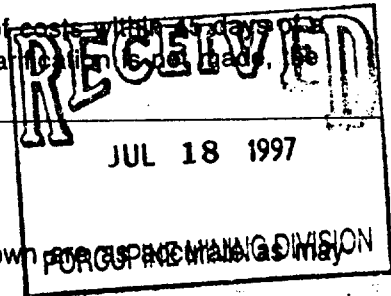
Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK $\times 0.50 =$ Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of request for verification and/or correction/clarification. If verification and/or correction/clarification is not provided, the Minister may reject all or part of the assessment work submitted.



Certification verifying costs:

I, MARIAN Miko Kozioł, do hereby certify, that the amounts shown on this statement of costs were reasonably determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent and Senior Geologist I am authorized to make this certification.
(please print full name)
(recorded holder, agent, or state company position with signing authority)

Signature [Signature] Date July 17/97

October 8, 1997

M. Koziol
CAMECO CORPORATION
UNIT 6-1349 KELLY LAKE ROAD
SUDBURY, ON
P3E-5P5

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

Telephone: (888) 415-9846
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.17689

Status

Subject: Transaction Number(s):

W9760.00382 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.

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,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.17689

Date Correspondence Sent: October 08, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00382	1147258	ENGLISH, SEMPLE, ZAVITZ	Approval	October 07, 1997

Section:

14 Geophysical IP

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

M. Koziol
CAMECO CORPORATION
SUDBURY, ON

TRI ORIGIN EXPLORATION LTD.
MARKHAM, Ontario

Geikie Twp.(M.320)

THE TOWNSHIP OF
OF
ZAVITZ

DISTRICT OF
SUDBURY

PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	DATE OF ISSUE	Ⓟ
CROWN LAND SALE		C.S.
LEASES	OCT 07 1997	Ⓛ
LOCATED LAND		Loc.
LICENSE OF OCCUPATION	PROVINCIAL RECORDING	L.O.
MINING RIGHTS ONLY	OFFICE - SUDBURY	M.R.O.
SURFACE RIGHTS ONLY		S.R.O.
ROADS		
IMPROVED ROADS		
KING'S HIGHWAYS		
RAILWAYS		
POWER LINES		
MARSH OR MUSKEG		
MINES		
CANCELLED		C.
		BUSH RD

NOTES

400' SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS.

F₁ - SUBJECT TO FORESTRY ACTIVITY IN 1994/95, 1995/96

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.

PLACED ON ACTIVE FILE. CHECK 20103190, etc. inc.

PLAN NO. **M. 1189**

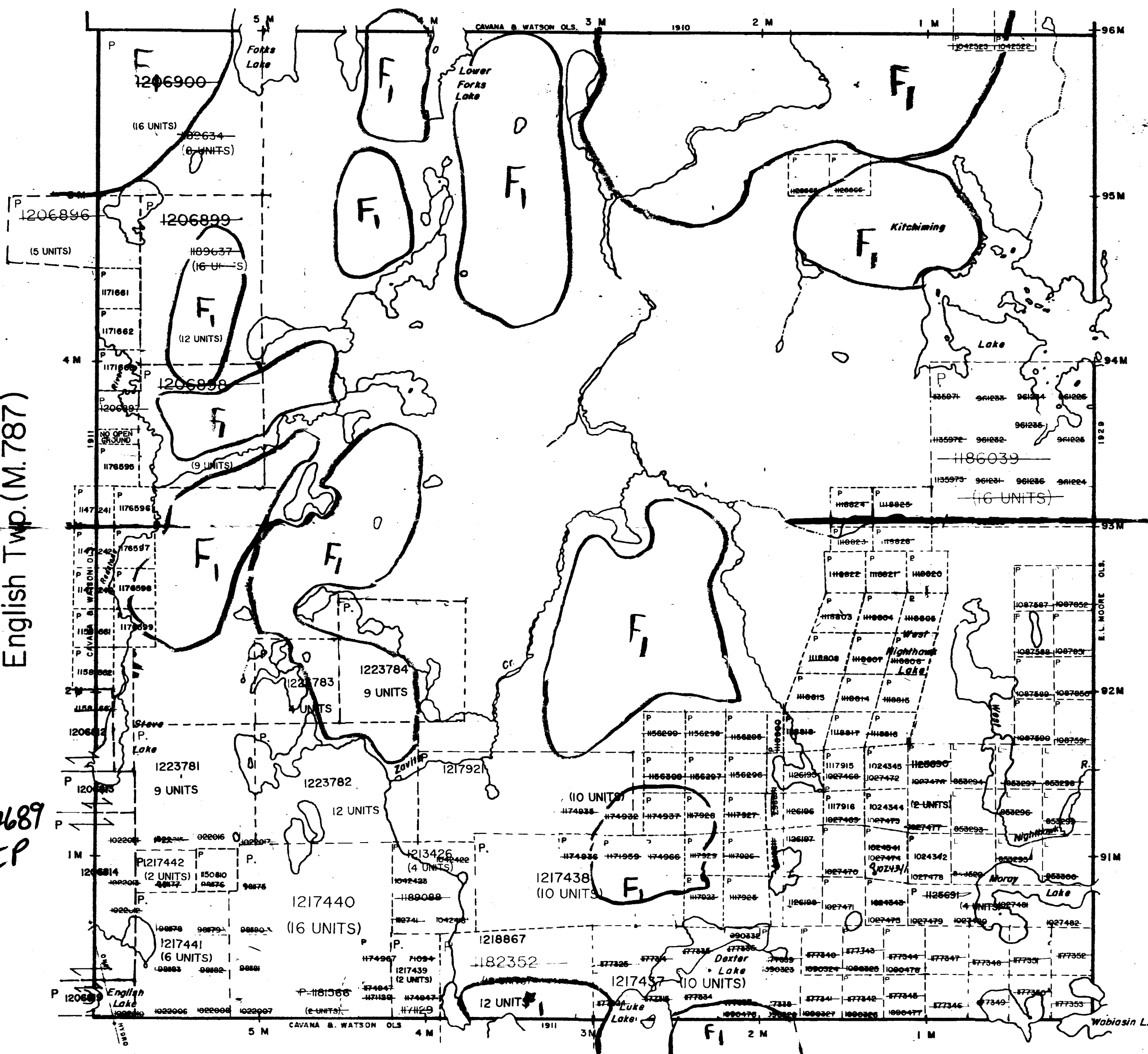
DEPARTMENT OF MINES
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

English Twp.(M.787)

Hincks Twp.(M.223)

Hutt Twp.(M.943)

2.17689
IP



REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

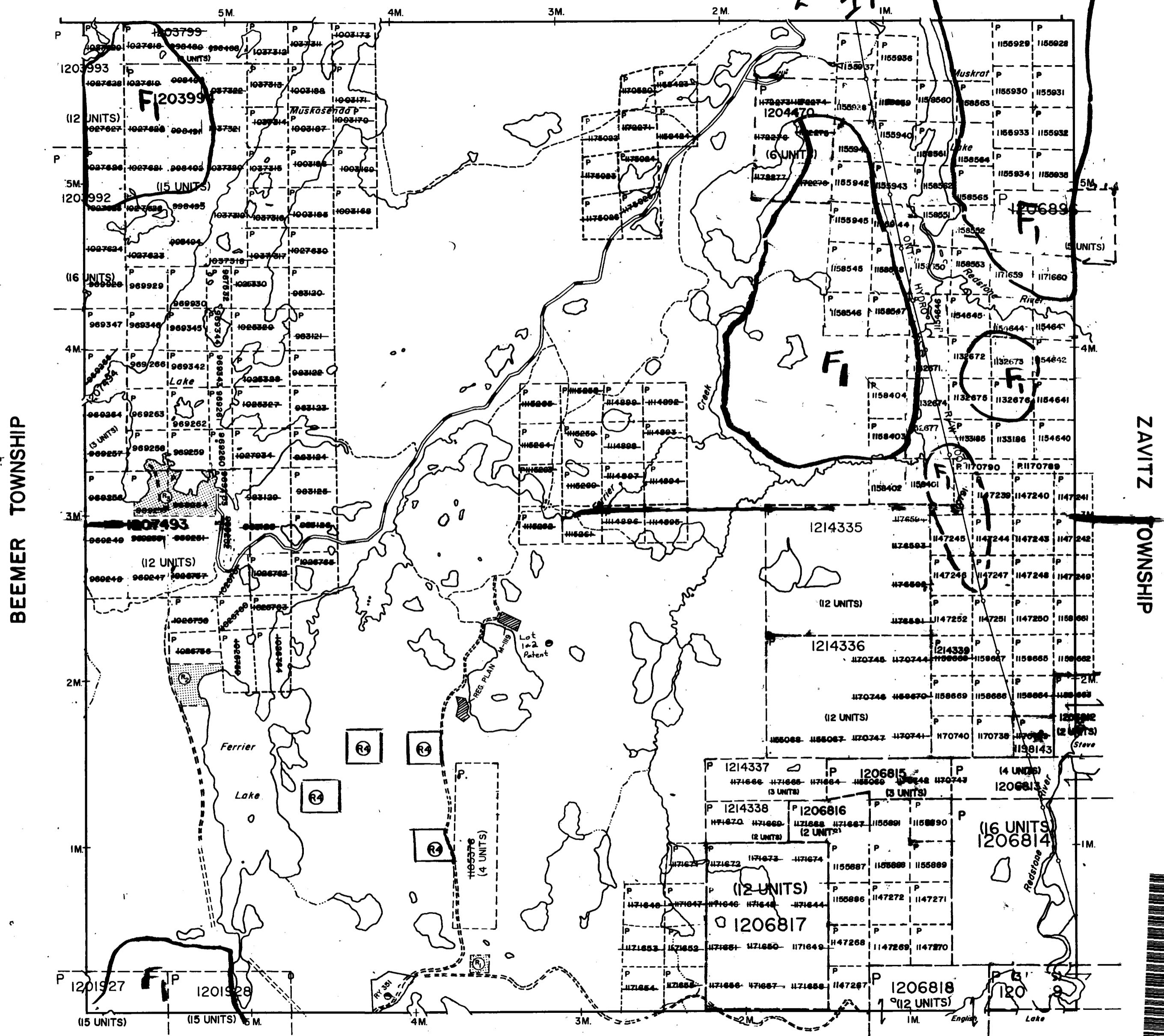
Description	Order No.	Date	Disposition	File
① SEC.36/80	W.18/77	28/02/77	S.R.O.	83582
② SEC.36/80	W.19/78	10/04/78	S.R.O.	188543
③ SEC.36/80	W.30/78	02/06/78	S.R.O.	192219

④ MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1990 ORDER NO. W-P 43/94 NER DATED 94-MAY-02

MINING AND SURF

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.

BARTLETT TOWNSHIP

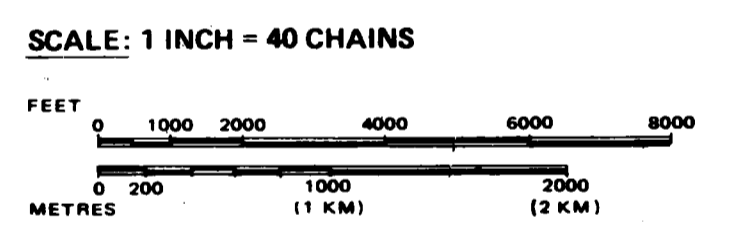


LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕



F1 THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1994/95 FURTHER INFORMATION ON FILE. 1995/96

DATE OF ISSUE
 OCT 07 1997
ENGLISH
 PROVINCIAL RECORDING OFFICE - SUBURRY
 M.N.R. ADMINISTRATIVE DISTRICT
 TIMMINS
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
 SUDBURY

Ministry of Natural Resources Ontario
 Ministry of Northern Development and Mines

Date SEPTEMBER 1990
 ACTIVATED: SEPT. 25/90
 S.R.
 Number
G-3938

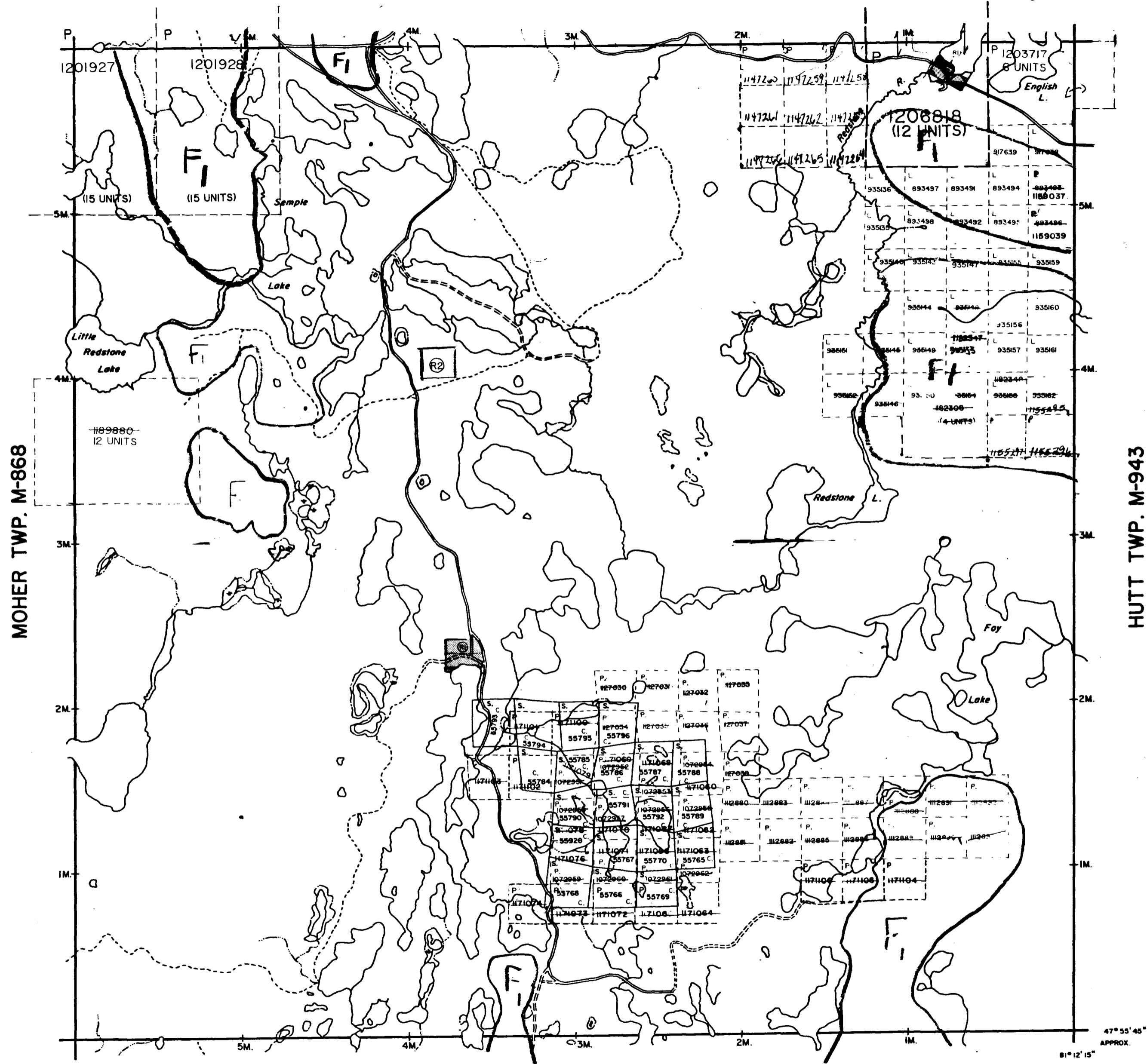
SEMPLÉ TOWNSHIP

2.17689 IP



ENGLISH TWP. M-787

2.17689
IP



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.

NOTES

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

F1 - SUBJECT TO FORESTRY ACTIVITY IN 1994/95 1995/96

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970)

Order	File	Date	Disposition
(R1)	W.19 / 78	188543	10 / 4 / 78 S.R.O.

(R2) MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990 ORDER NO. W-P 44/94 NER DATED 94-MAY-02

ACTIVATED APRIL 24, 1990 D.C.

LEGEND

- PATENTED LAND (P) or ●
 - PATENTED FOR SURFACE RIGHTS ONLY (P) or ●
 - LEASE (L)
 - LICENSE OF OCCUPATION (L.O.)
 - CROWN LAND SALES (C.S.)
 - LOCATED LAND (Loc.)
 - CANCELLED (C)
 - MINING RIGHTS ONLY (M.R.O.)
 - SURFACE RIGHTS ONLY (S.R.O.)
 - HIGHWAY & ROUTE NO. (17)
 - ROADS (—)
 - TRAILS (---)
 - RAILWAYS (—+—)
 - POWER LINES (—+—)
 - MARSH OR MUSKEG (—+—)
 - MINES (X)
- DATE OF ISSUE OCT 07 1997
- PROVINCIAL RECORDING OFFICE - SUDBURY
- *used only with summer resort locations or when space is limited

TOWNSHIP OF

SEMPLÉ

DISTRICT OF
SUDBURY

PORCUPINE
MINING DIVISION

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

DR. R.W. NOBLF	PLAN NO. M-1100
DATE APR. 22, 71	

ONTARIO
DEPARTMENT OF MINES
AND NORTHERN AFFAIRS

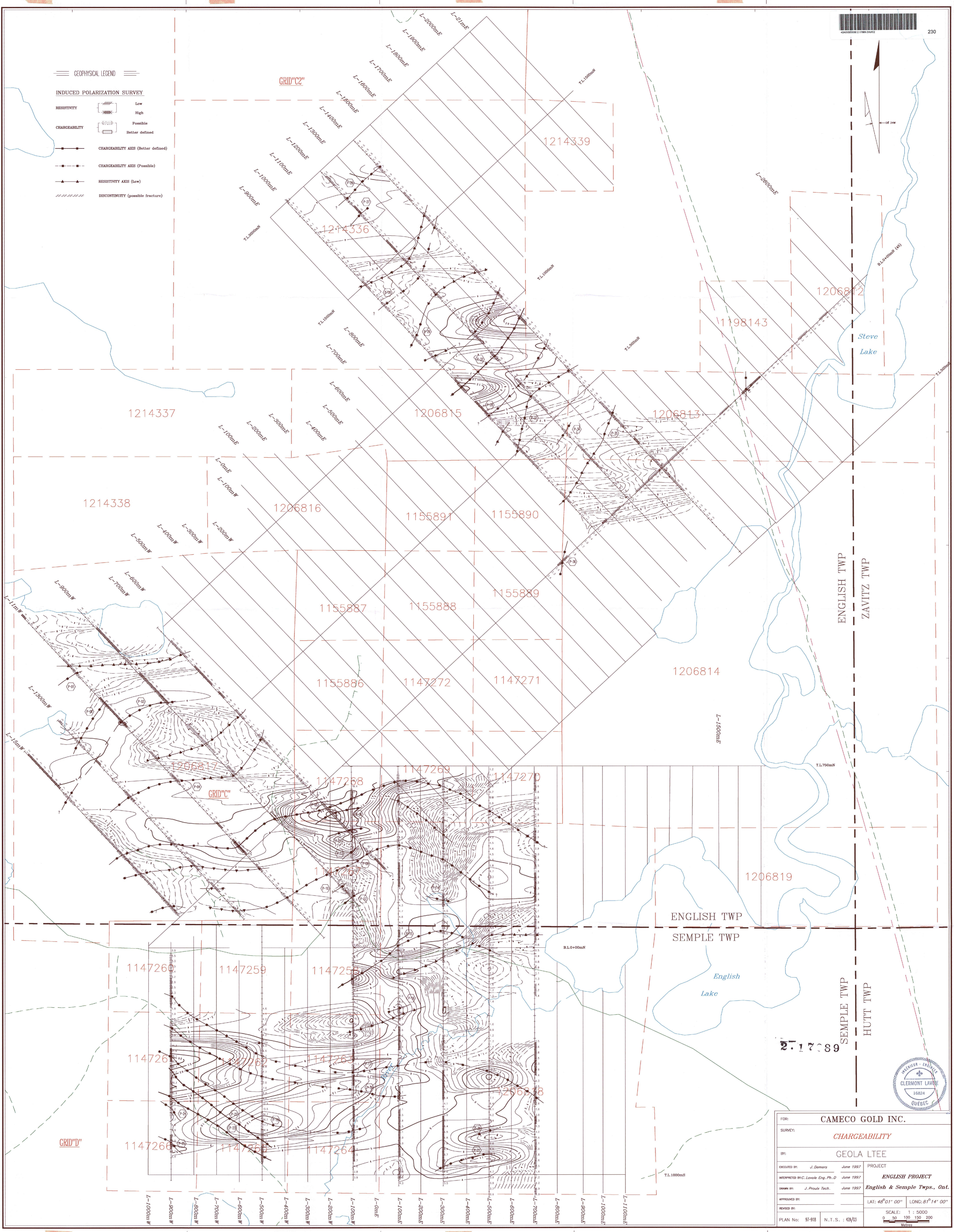




GEOPHYSICAL LEGEND

INDUCED POLARIZATION SURVEY

- RESISTIVITY: Low (dotted pattern), High (cross-hatched pattern)
- CHARGEABILITY: Possible (dashed line), Better defined (solid line)
- CHARGEABILITY AXIS: (Better defined) (solid line with arrows), (Possible) (dashed line with arrows)
- RESISTIVITY AXIS: (Low) (line with triangles)
- DISCONTINUITY (possible fracture) (dashed line)



ENGLISH TWP
ZAVITZ TWP

ENGLISH TWP
SEMPLÉ TWP

SEMPLÉ TWP
HUTT TWP

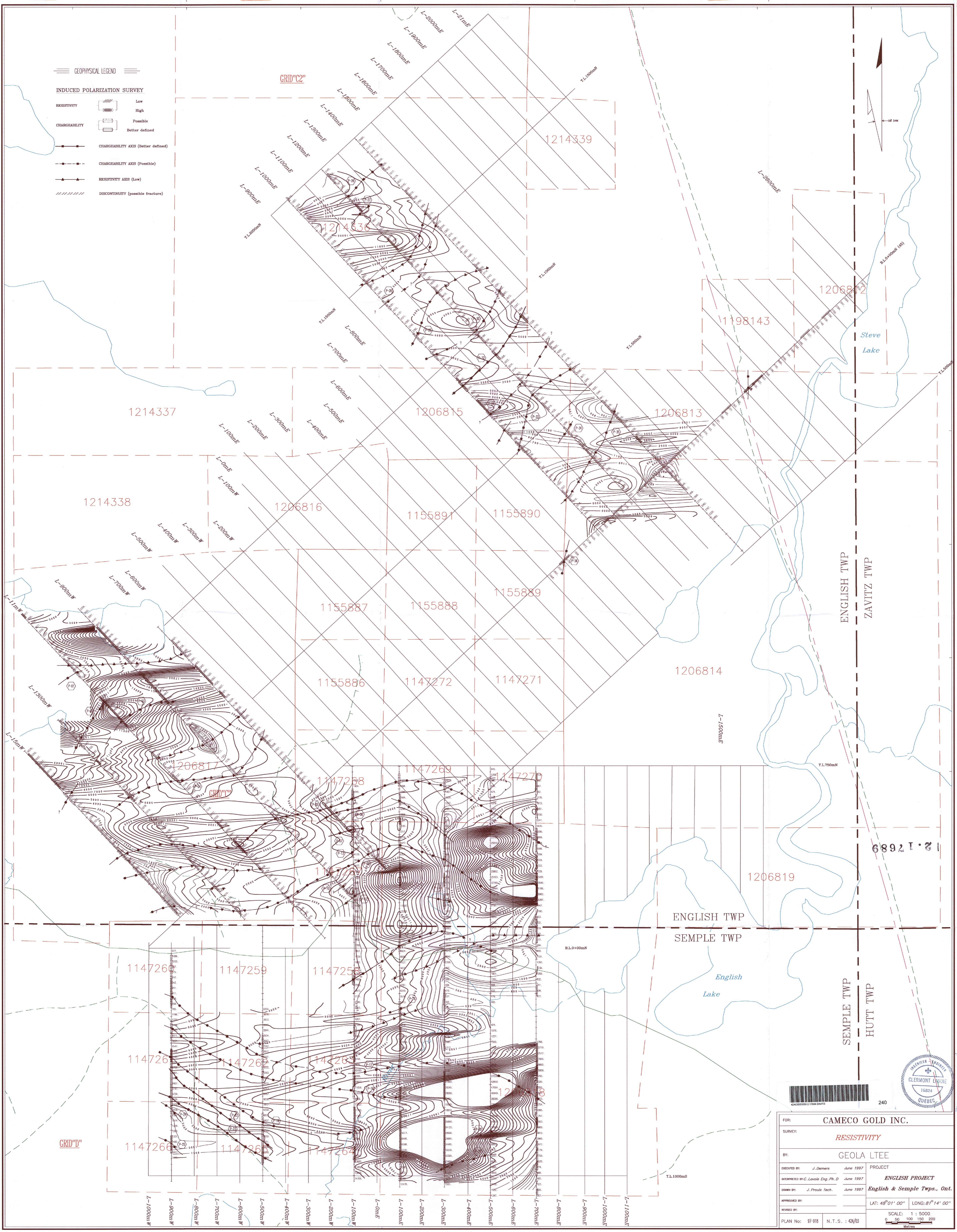


FOR: CAMECO GOLD INC.	
SURVEY: CHARGEABILITY	
BY: GEOLA LTEE	
ENJOINED BY: J. Demers June 1997	PROJECT
INTERPRETED BY: C. Lavoie Eng. Ph. D. June 1997	ENGLISH PROJECT
DRAWN BY: J. Prud'homme June 1997	English & Semple Twps., Ont.
APPROVED BY:	LAT: 48°01' 00" LONG: 81°14' 00"
REVISD BY:	SCALE: 1 : 5000
PLAN No: 97-918	N.T.S. : 4/03
	0 50 100 150 200 Metres

GEOPHYSICAL LEGEND

INDUCED POLARIZATION SURVEY

- RESISTIVITY: Low
- RESISTIVITY: High
- CHARGEABILITY: Possible
- CHARGEABILITY: Better defined
- CHARGEABILITY AXIS (Better defined):
- CHARGEABILITY AXIS (Possible):
- RESISTIVITY AXIS (Low):
- DISCONTINUITY (possible fracture):



FOR: CAMECO GOLD INC.	
SURVEY: RESISTIVITY	
BY: GEOLA LTEE	
DESIGNED BY: J. Demers	June 1997
INTERPRETED BY: C. Lavoie Eng. Ph. D.	June 1997
DRAWN BY: J. Frouin Tech.	June 1997
APPROVED BY:	
REVISIONS:	
PLAN No: 97-918	N.T.S. : 42/03
PROJECT: ENGLISH PROJECT	
English & Semple Twps., Ont.	
LAT: 48°01' 00" LONG: 81°14' 00"	
SCALE: 1 : 5000	
0 50 100 150 200 Metres	