



010



BARRICK GOLD CORPORATION  
(Eastern Canada Exploration)

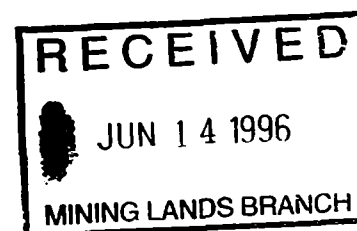
HOLT McDERMOTT PROJECT  
STOCH BLOCK

**2.16610**

Garrison and Harker Townships, Ontario

Report on

INDUCED POLARIZATION SURVEYS

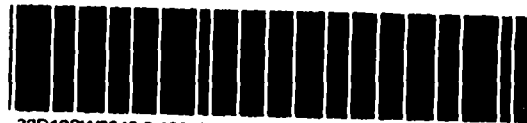


Rouyn-Noranda, Québec

May 31, 1996

*Qual. # 2.11295*  
Gérard Lambert, P.Eng.

Consulting Geophysicist



32D12SW0046 2.16610 HARKER

010C

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**Appended:**

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| Resistivity / I.P. pseudo-sections . . . . .                                   | 1:5,000 |
| Apparent resistivity contour map with<br>I.P. anomalies superimposed . . . . . | 1:5,000 |
| Polarization contour map with<br>I.P. anomalies superimposed . . . . .         | 1:5,000 |

**Introduction**

In May 1996, ground geophysical investigations, consisting namely in Induced Polarization/Resistivity surveys, were carried out the **STOCH BLOCK** property (P.N. 612) for Barrick Gold Resources Corp. Inc.

The purpose of the I.P. surveys was to provide a discriminating mapping tool in order to better refine the understanding of the geology and to map with a better accuracy the distribution of possibly auriferous or copper-bearing disseminated and stringer sulphides in bedrock shears, lithological contacts and alteration zones. Considering the relative paucity of bedrock exposure and the inadequate coverage of the property by modern geophysical surveys, the present surveys were also meant to better evaluate bedrock sulphide mineralization, in terms of width and quantity of metallic sulphides, as well as to assist in defining structural patterns.

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

The I.P. surveys were carried out by crews of Remy Bélanger Géophysique Ltd., of Rouyn-Noranda, Québec.

**Property description, location and access**

The **STOCH BLOCK** property is located in the eastern half of Garrison township and the western half of Harker township, Ontario (NTS 32D/05 and 32D/12). It is situated at about 44 kilometers east of Matheson and 44 km north-northwest of the mining town of Larder Lake. The property straddles the north-south Garrison-Harker township line.

The STOCH BLOCK property is accessible by pick-up truck, using a secondary road leading south from highway 101 at a point situated 250m west of the intersection between Hwy 101 and the Garrison-Harker TP line. Please refer to Figures 1., 2., and 3. showing location maps of the property at various scales.

The STOCH BLOCK property consists of 24 unpatented mining claims whose license numbers are listed below and appear on Figure 4. as well as on the geophysical maps.

|        |        |        |        |
|--------|--------|--------|--------|
| 765892 | 765893 | 765894 | 765895 |
| 765896 | 765897 | 765898 | 765899 |
| 765900 | 765901 | 765902 | 765903 |
| 765904 | 765905 | 765906 | 765907 |
| 765908 | 765909 | 765910 | 765911 |
| 765912 | 765913 | 765914 | 765915 |

#### Description of the geophysical surveys

The I.P. surveys were carried out along a grid of recently-cut lines oriented at 000° true, spaced every 100 meters and chained/picketed every 25 meters. A base line (B.L. 0+00N), striking at 090° true was used to establish the grid. This base line is the direct extension of the "West Block" base line. Tie lines 9+00S, 6+25N, 10+50N, 11+00N and 14+75N were cut to control the grid lines. A total of 39 line-km of lines were cut and picketed on the Stoch Block property.

The I.P. survey was conducted on the 18 lines (L35-00W to L18+00W) using a dipole-dipole electrode configuration. The dipole dimension was 50 meters and successive separations at multiples of N=1, 2, 3, 4, 5 and 6 times the dipole dimensions were used, in order to investigate at depth.



FIGURE 1.

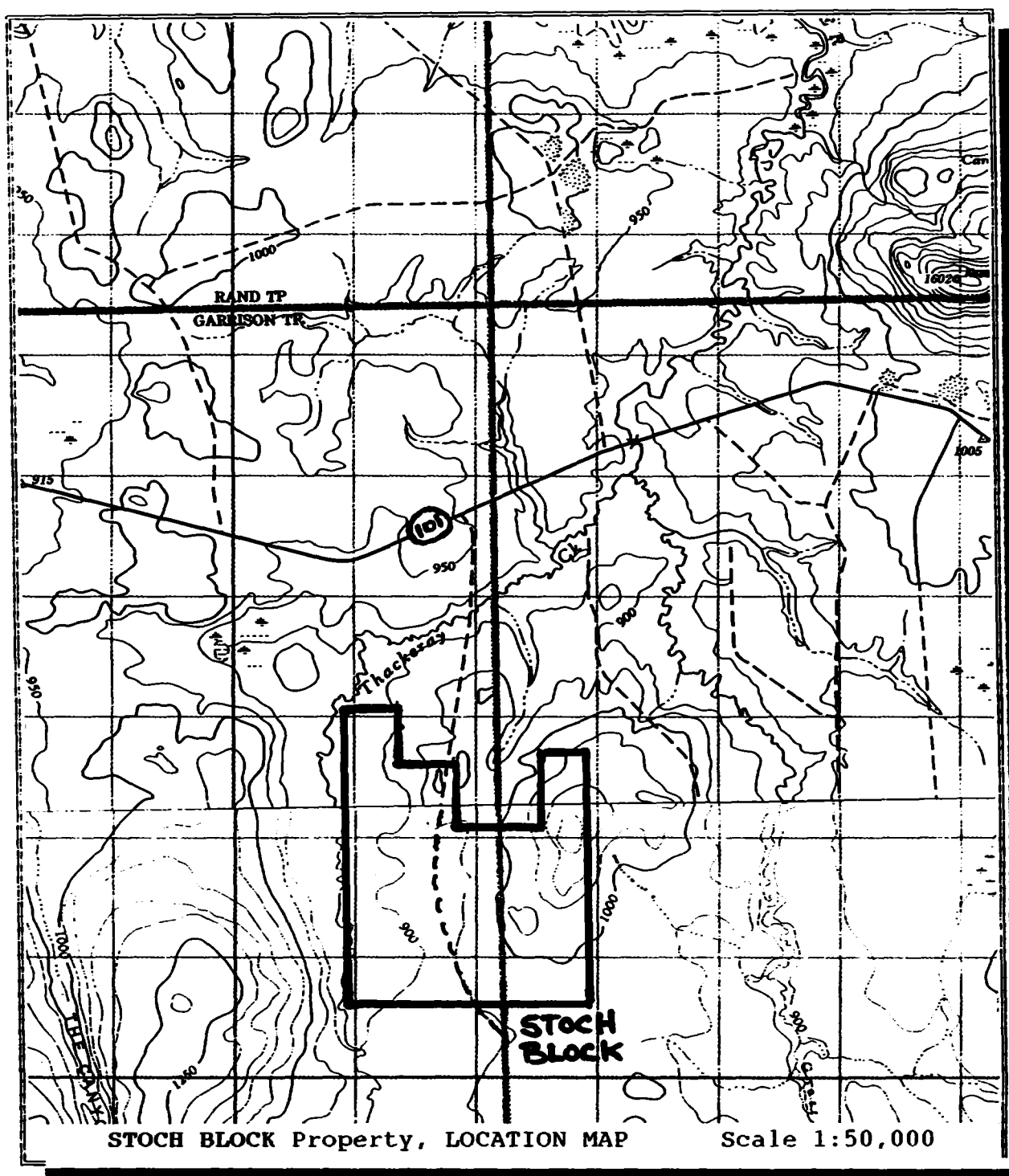


FIGURE 2.

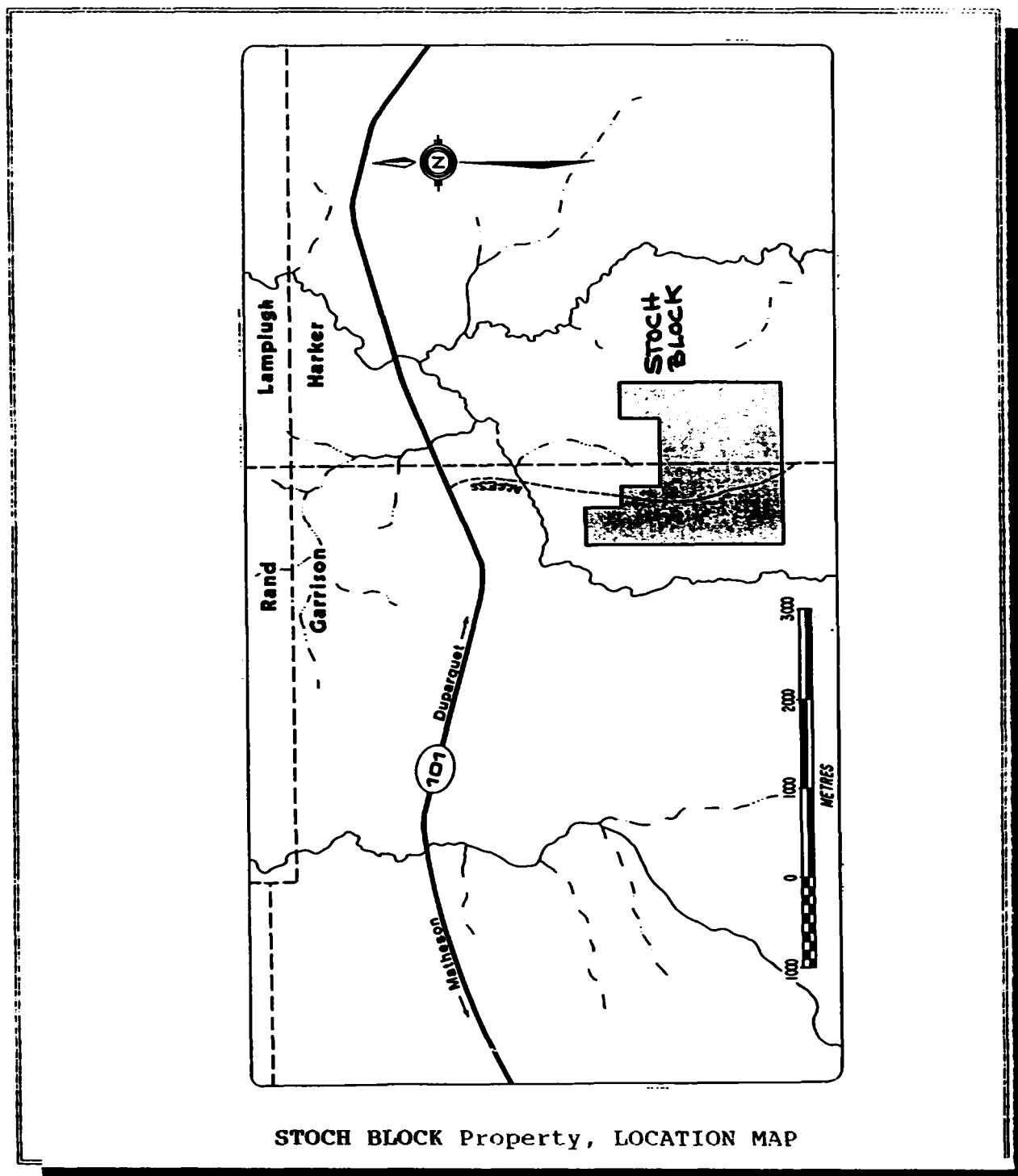


FIGURE 3.

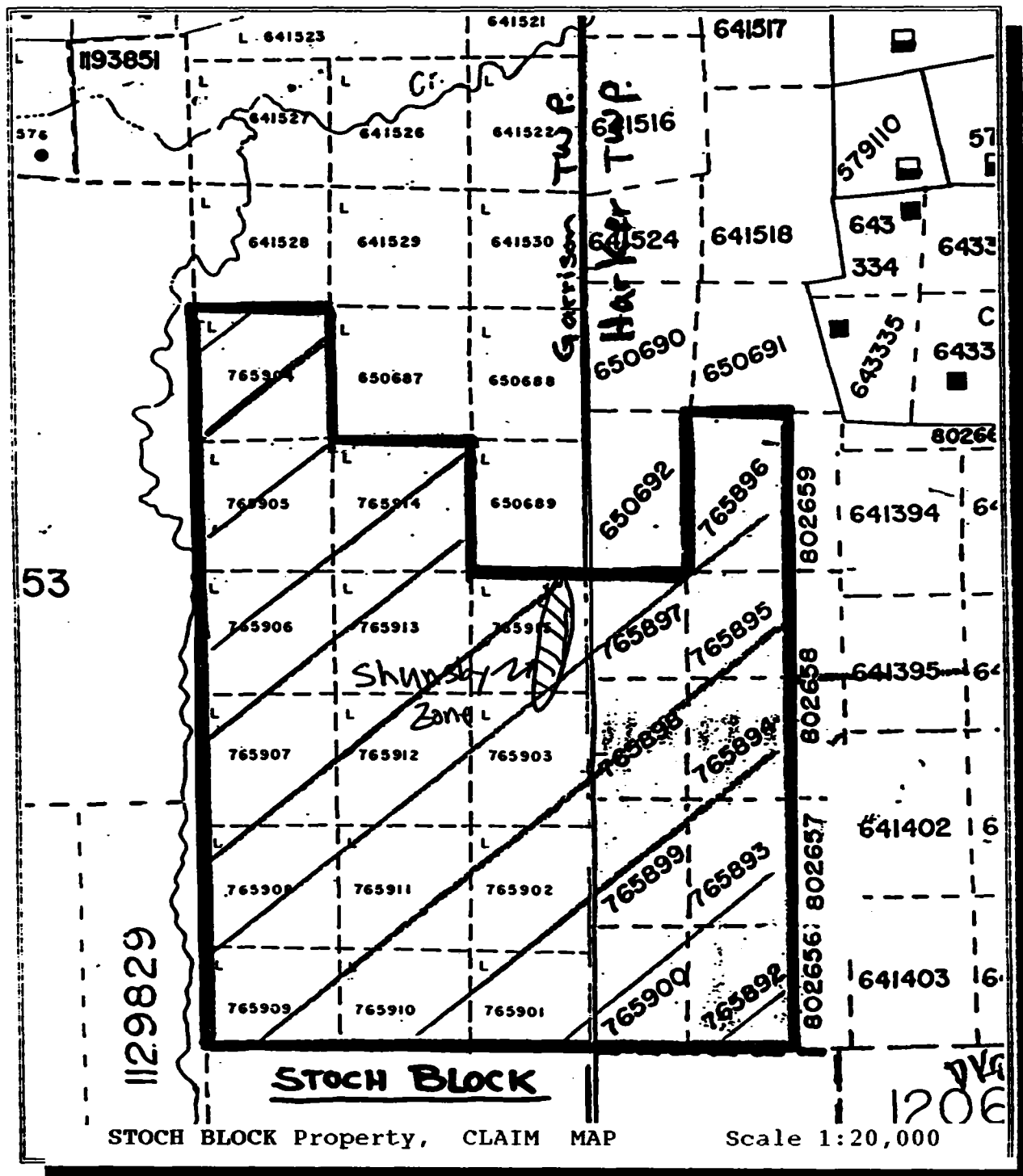


FIGURE 4.



The phase-domain I.P. equipment consisted of 1°) a Phoenix IPT-1 transmitter operating at 1.0 Hz, powered by a 2 kilowatt, Phoenix 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 degree of polarization of the underlying earth.

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

A total of approximately 32.4 line-km of I.P. data was thus gathered, covering the entire property.

### Results and interpretation

The I.P. technique is probably the best geophysical technique for gold prospecting in structural environments such as found in the general vicinity of the STOCH BLOCK property. The I.P. technique can map most types of metallic sulphides, even when they do not conduct, which is often the case with disseminated or stringer sulphide mineralization commonly present in altered shear zones and quartz veins.

The resistivity information is highly valuable in defining structures and outcropping areas.

The method is sometimes hampered by its reduced depth of penetration when highly conductive surface cover is present and it is vulnerable to electrode-related noise and, as most geophysical methods, to cultural and other man-related noise.

In the particular case of this survey, a 50-meter dipole dimension was chosen because of its capability to penetrate through a fairly thick (possibly up to 30 meters in the west of the property) layer of overburden.

#### • RESISTIVITY

The resistivity pattern as shown on the contour map, provides a very faithful image of the bedrock surface relief and of the composition of the underlying lithologies. The higher resistivity areas (> 1,000 ohm-meters), more abundant in the eastern half of the survey area, are very probably associated with bedrock ridges and subcrops. The topography in this area is more pronounced, as there is a small hill, peaking near L18W at 600N.

These high resistivity zones should definitely be visited in the field, as there is a good chance that more or new bedrock exposures will be found. Other possible causes for the high resistivities include silicified/carbonatized alteration zones.

The areas of low resistivity, more abundant in the western half of the survey area, are associated with deeper overburden. The transition between the high resistivity domain in the east and the low resistivity domain in the west is very sharp and occurs along a line oriented NNE-SSW between about 2500W/625N and 2900W/900S. This transition is most likely the result of an

important fault. There is a lineament of low resistivity extending between 2600W/600N and 3000W/900S which most likely marks a major structure.

• **POLARIZATION**

The phase I.P. measurements show the presence of at least ten (10) zones characterized by an increased I.P. effect in the bedrock.

Referring to the I.P. pseudo-sections and the polarization contour map and its accompanying legend, the I.P. anomalies have been 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 nice, unambiguous triangular shape on a pseudo-section), as well as according to the behaviour of the apparent resistivity. Conductive, semi-massive and massive metallic mineralization (sulphides, graphite) will typically cause a notable decrease in the apparent 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.

The most abundant and prominent I.P. anomalies are situated in the eastern half of the property, where the resistivities are generally high and therefore in shallow overburden areas. The general trend of the I.P. anomalies is along 045° to 050° although there are local complexities changing the directions to N-S and to E-W in places. The I.P. anomalies are more abundant in the quadrangle bounded by 26W-18W and 100N-400N, near the "Shunsby" showing.

In the west half of the property, there are 2 I.P. zones, the most significant extending discontinuously between 32W/2N and 28W/750N.

It must be remembered that, in gold exploration situations, any I.P. anomalies can be economically significant, and the "strength" of an I.P. anomaly is not necessarily a unique criterion for rating a specific target. Depending on the genetic models postulated, one may want to look for different associations of magnetic signature (high or low), resistivity signature (high or low) and I.P. effect (strong or weak). "It is easier to find something when you know what it is that you are looking for".

It is expected that the black-filled squares on the compilation maps will coincide with known bedrock conductors (semi-massive to massive sulphides). The possibly more interesting anomalies (and potentially newer targets because only I.P. can detect these) are those I.P. responses which have no strong resistivity decrease associated (i.e. the thick-bordered squares or the thin-border squares). These will typically be caused by stringer sulphides or disseminated sulphides along stratigraphic or structural planes.

The mineralized zones which are the cause of the various I.P. anomalies lie at depths generally not exceeding 10 meters and it more than likely that some of them can be explained by surface prospecting and stripping.

#### **Conclusion and recommendations**

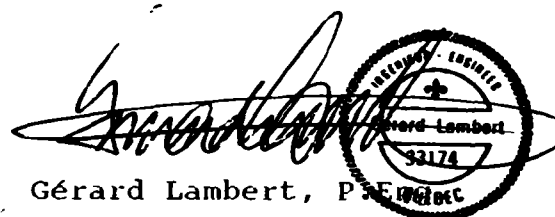
The Induced Polarization surveys which were recently completed on the **STOCH BLOCK** property for Barrick Gold Resources Corp. Inc. have successfully defined at least ten I.P. trends, with most of the I.P. anomalies lying in the eastern portion of the survey area and two in the west. The most prominent strike direction of the anomalies is NE-SW.

Considering the geological setting of the property and the presence of a gold showing within the survey area, it is strongly recommended that all the I.P. anomalies on the property be investigated, either by surface prospecting and stripping in the high resistivity areas, or by diamond drilling elsewhere. First priority targets from a geophysical point of view, are those I.P. anomalies situated in the quadrangle bounded by 26W-18W and 100N-400N, near the "Shunsby" showing.

The overall evaluation of the I.P. survey and priority-setting of the anomalies should also take into account other geoscientific data such as the magnetic relief, the known geology and structure, the occurrence of other mineralized showings nearby, and also the type of gold deposit being explored.

Rouyn-Noranda, Québec

May 31, 1996



Gérard Lambert, P. Eng.

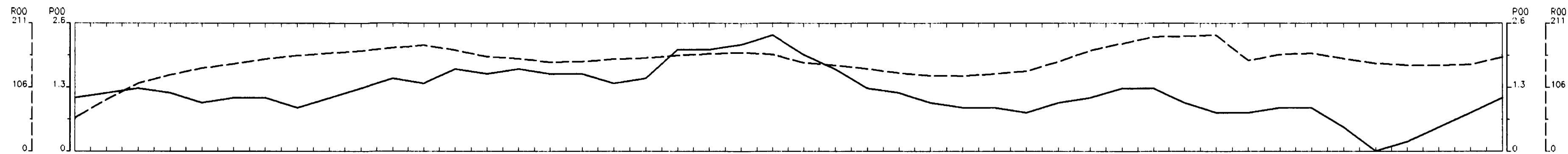
Consulting Geophysicist



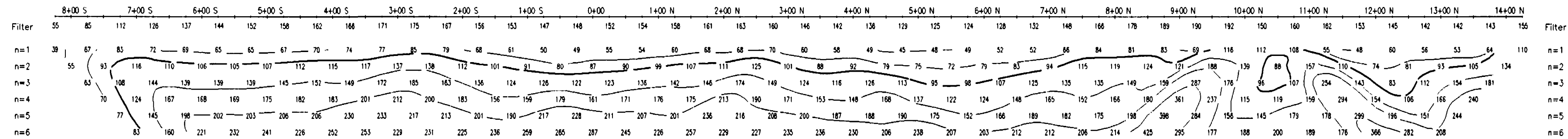






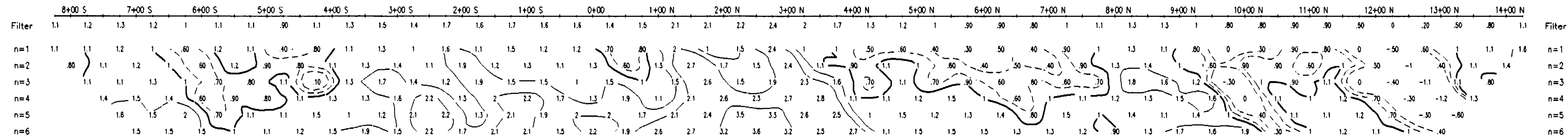


RESISTIVITY  
OHM-METERS



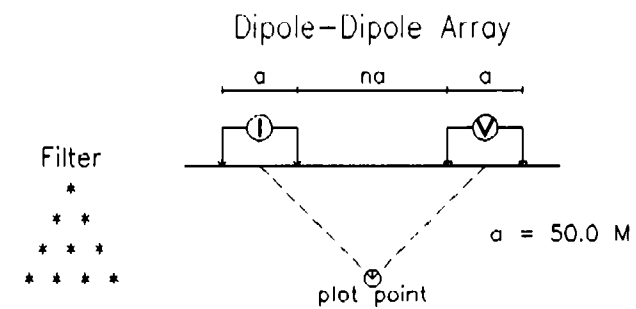
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 3400 W

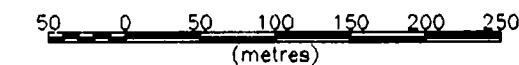


Logarithmic  
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

#### 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

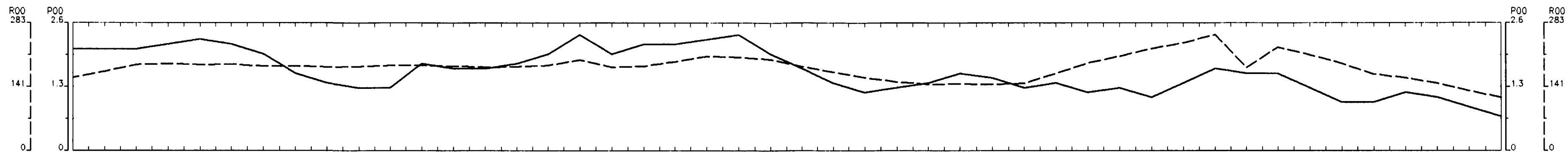


**BARRICK GOLD CORPORATION**

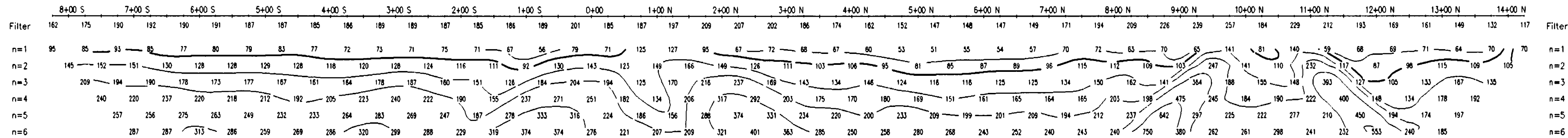
**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

Date: 96/05/30  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**

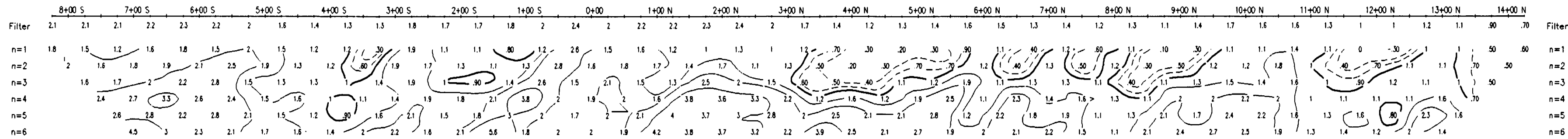


RESISTIVITY  
OHM-METERS



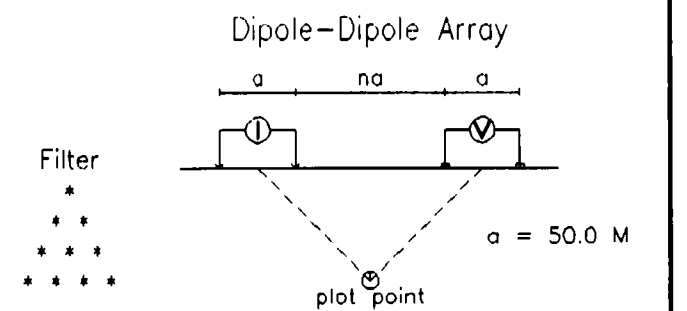
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 3300 W

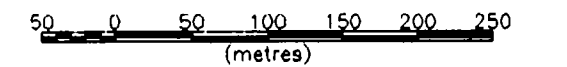


Logarithmic  
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

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Scale 1:5000



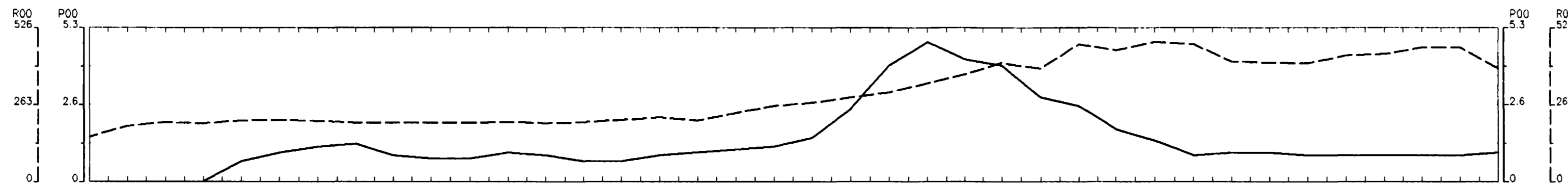
**BARRICK GOLD CORPORATION**

INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO

Date: 96/05/28  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**





RESISTIVITY  
OHM-METERS

|        | 8+00 S | 7+00 S | 6+00 S | 5+00 S | 4+00 S | 3+00 S | 2+00 S | 1+00 S | 0+00 | 1+00 N | 2+00 N | 3+00 N | 4+00 N | 5+00 N | 6+00 N | 7+00 N | 8+00 N | 9+00 N | 10+00 N |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| Filter | 153    | 190    | 203    | 199    | 209    | 211    | 207    | 202    | 202  | 201    | 201    | 204    | 200    | 203    | 210    | 219    | 209    | 235    | 258     | 270 | 288 | 305 | 336 | 366 | 406 | 387 | 470 | 449 | 478 | 470 | 411 | 407 | 405 | 432 | 436  | 458 | 458 | 387 |
| n=1    | 82     | 94     | 91     | 69     | 84     | 83     | 86     | 85     | 89   | 89     | 84     | 90     | 84     | 81     | 80     | 94     | 78     | 117    | 114     | 90  | 94  | 90  | 115 | 168 | 304 | 223 | 348 | 229 | 282 | 239 | 194 | 211 | 161 | 168 | 131  | 167 | 236 | 260 |
| n=2    | 128    | 164    | 131    | 118    | 142    | 141    | 136    | 141    | 148  | 158    | 150    | 142    | 126    | 135    | 156    | 143    | 129    | 215    | 180     | 164 | 144 | 171 | 229 | 387 | 351 | 420 | 467 | 328 | 485 | 353 | 261 | 270 | 251 | 243 | 276  | 334 | 339 |     |
| n=3    | 186    | 202    | 187    | 171    | 198    | 184    | 186    | 189    | 187  | 197    | 193    | 176    | 189    | 218    | 197    | 190    | 194    | 258    | 261     | 205 | 236 | 291 | 451 | 324 | 456 | 442 | 552 | 477 | 542 | 398 | 285 | 358 | 309 | 447 | 480  | 386 |     |     |
| n=4    |        | 217    | 266    | 250    | 222    | 236    | 231    | 226    | 220  | 243    | 231    | 221    | 217    | 249    | 251    | 237    | 258    | 225    | 326     | 294 | 308 | 376 | 528 | 342 | 403 | 430 | 477 | 752 | 479 | 563 | 402 | 349 | 417 | 537 | 731  | 495 |     |     |
| n=5    |        |        | 278    | 338    | 312    | 257    | 280    | 267    | 252  | 272    | 273    | 250    | 252    | 304    | 275    | 284    | 302    | 282    | 282     | 345 | 421 | 468 | 649 | 374 | 413 | 367 | 437 | 827 | 737 | 475 | 524 | 468 | 396 | 709 | 848  | 692 |     |     |
| n=6    |        |        |        | 342    | 410    | 350    | 297    | 311    | 287  | 299    | 291    | 285    | 274    | 345    | 323    | 297    | 345    | 317    | 342     | 304 | 472 | 618 | 764 | 435 | 452 | 376 | 359 | 555 | 594 | 743 | 443 | 599 | 517 | 660 | 1066 | 762 |     |     |

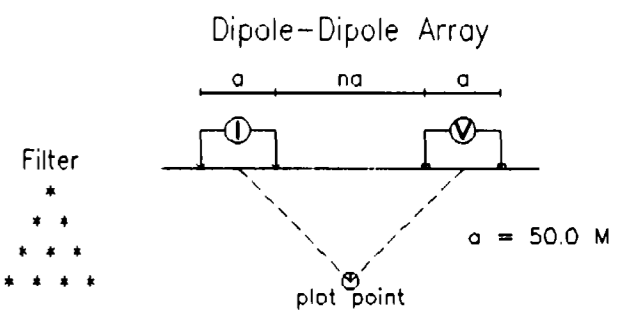
RESISTIVITY  
OHM-METERS

PHASE  
MRAD

|        | 8+00 S | 7+00 S | 6+00 S | 5+00 S | 4+00 S | 3+00 S | 2+00 S | 1+00 S | 0+00 | 1+00 N | 2+00 N | 3+00 N | 4+00 N | 5+00 N | 6+00 N | 7+00 N | 8+00 N | 9+00 N | 10+00 N |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Filter | -10    | -30    | -50    | 0      | 70     | 1      | 1.2    | 1.3    | .90  | .80    | .80    | 1      | .90    | .70    | .70    | .90    | 1      | 1.1    | 1.2     | 1.5  | 2.5 | 4   | 4.8 | 4.2 | 4   | 2.9 | 2.6 | 1.8 | 1.4 | .90 | 1   | 1   | .90 | .90 | .90 | .90 | 1   |
| n=1    | .50    | 0      | -1.4   | -1.1   | .40    | .50    | 1      | 1.6    | .30  | -.20   | -.10   | .30    | 0      | -.10   | .60    | .80    | .50    | .20    | -.40    | 0    | 2.4 | 4.8 | 3   | 3.8 | 1.4 | 2.5 | 1.4 | 1.4 | .30 | .30 | .10 | .20 | .40 | .60 | .70 | .90 | .80 |
| n=2    | -.30   | -1.3   | -1.3   | 0      | .50    | 1      | 1.5    | .80    | -.70 | -.20   | .60    | .70    | .40    | -.20   | .30    | .90    | .40    | .90    | -.50    | -.80 | 2.4 | 4.8 | 4.3 | 4.8 | 2.8 | 2.2 | 1.7 | 1.1 | .70 | .20 | .90 | .50 | .30 | .40 | .60 | .50 | .90 |
| n=3    | -1.7   | -1.3   | -.20   | .20    | 1      | 1.2    | 1.1    | 1.2    | .40  | .90    | 1      | .40    | -.50   | .10    | 1.2    | .60    | -.20   | .50    | -.80    | 2.2  | 4.9 | 4   | 4.2 | 3.3 | 3.4 | 1   | 1.3 | .10 | .30 | 1.1 | .10 | .60 | .20 | .20 | .50 | .80 |     |
| n=4    | -.30   |        | 1.1    | 1.7    | 1.2    | 1.1    | 1.1    | 1.1    | 1.1  | 1.1    | 1.1    | 1.2    | 1.2    | 1.1    | .90    | .80    | 1.1    | 1.1    | 1.1     | 3.2  | 5.8 | 4.8 | 4.7 | 4.5 | 4.4 | 3.5 | 2.2 | 1.3 | 1.1 | 1.3 | 1.5 | 1.5 | 1.1 | 1.1 |     |     |     |
| n=5    | -.80   | .90    | 1.1    | 1.8    | 1.2    | 1.5    | 1.3    | 1.2    | 1.1  | 1.2    | 1.3    | 1.5    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.2    | 1.2     | 3.7  | 6   | 4.6 | 4.7 | 4.7 | 5   | 5.3 | 3.8 | 1.6 | 1.8 | 1.1 | 1   | 1.6 | 1   | 1.8 | 1.2 | 1.1 |     |
| n=6    | 1.1    | 1.2    | 1.9    | 1      | 1      | 1.1    | 1.8    | 1      | 1    | 1.6    | 1.1    | 1.2    | 1.8    | 1.1    | 1.2    | 1.2    | 1.2    | 1.2    | 4.1     | 6.6  | 4.8 | 5.1 | 5.3 | 4.6 | 4.8 | 4.2 | 2.2 | 2.7 | 2.1 | 1.1 | 1.6 | 1.9 | 2.3 | 1.9 | 1.9 |     |     |

PHASE  
MRAD

**Line 3100 W**



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)

**BARRICK GOLD CORPORATION**

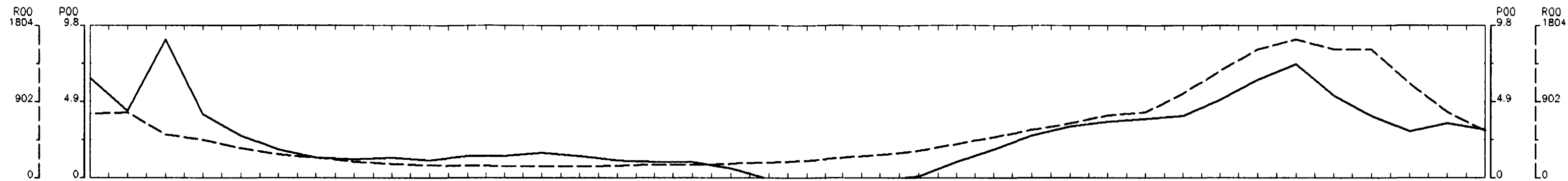
**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

Date: 96/05/27  
Interpretation: GERARD LAMBERT

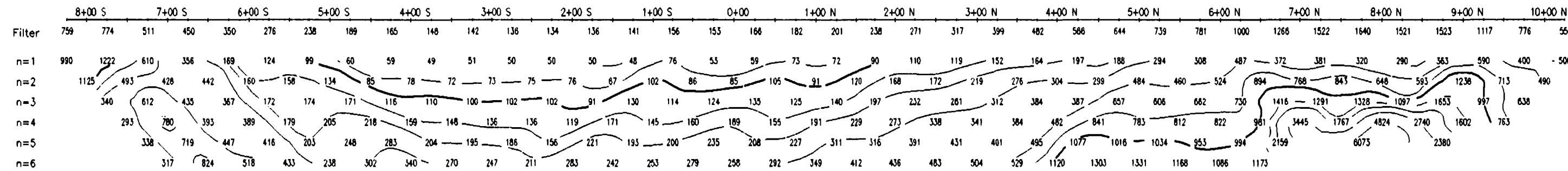
**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**





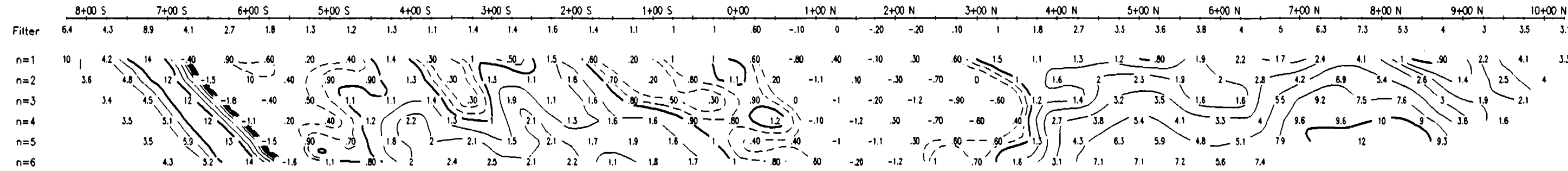


RESISTIVITY  
OHM-METERS



CONTACT?

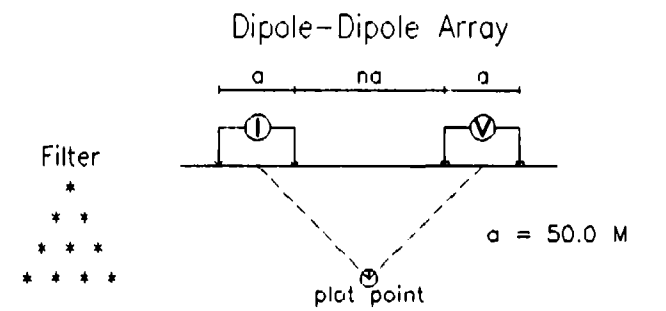
PHASE  
MRAD



RESISTIVITY  
OHM-METERS

PHASE  
MRAD

### Line 2800 W



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

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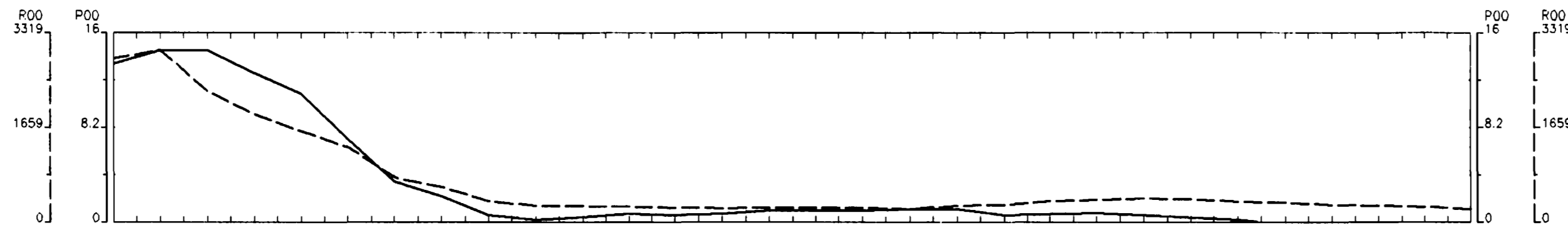
Scale 1:5000  
50 0 50 100 150 200 250 (metres)

BARRICK GOLD CORPORATION

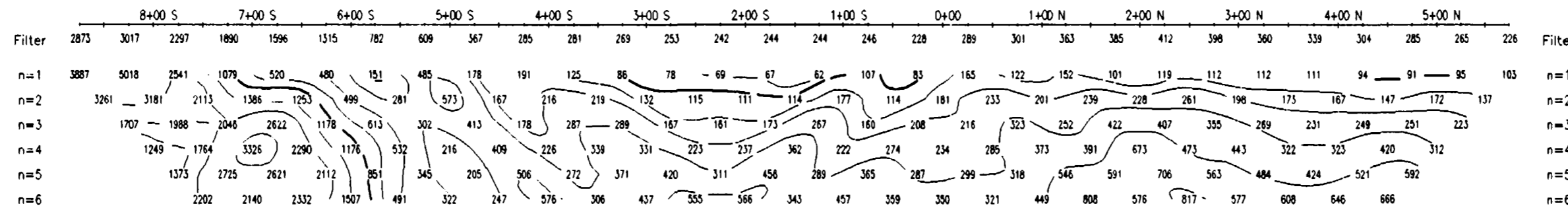
INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO

Date: 96/05/27  
Interpretation: GERARD LAMBERT

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

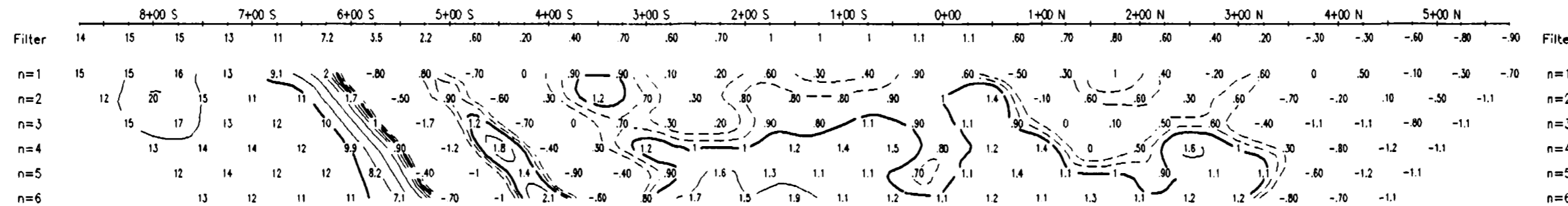


RESISTIVITY  
OHM-METERS



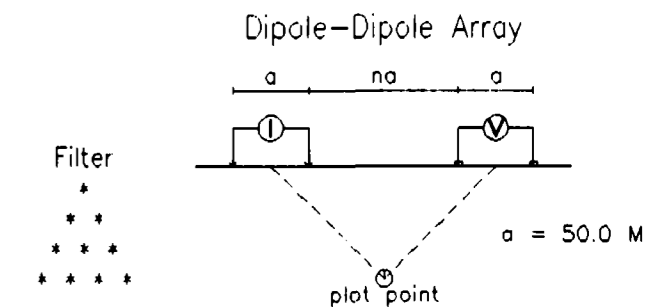
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 2700 W

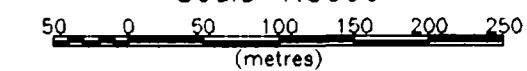


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

#### 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



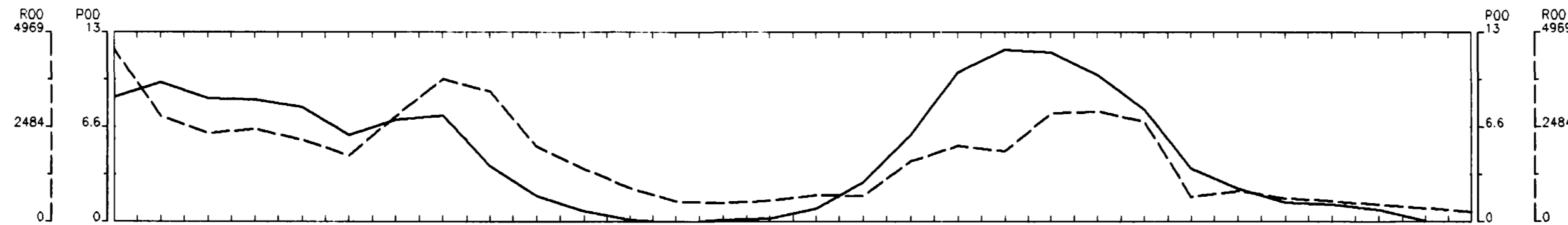
**BARRICK GOLD CORPORATION**

**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

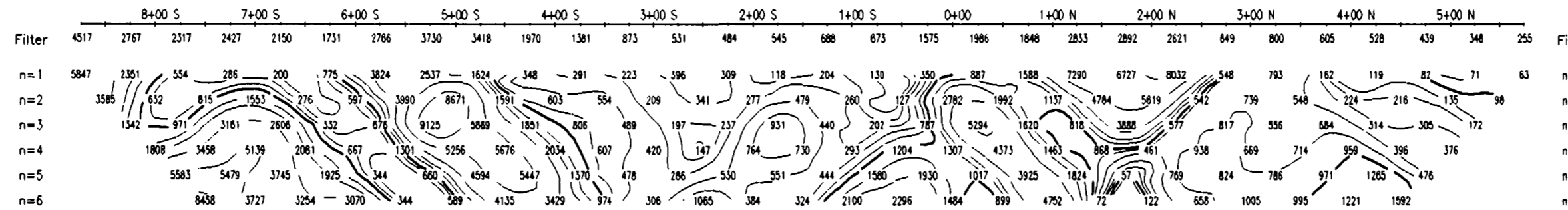
Date: 96/05/26  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**



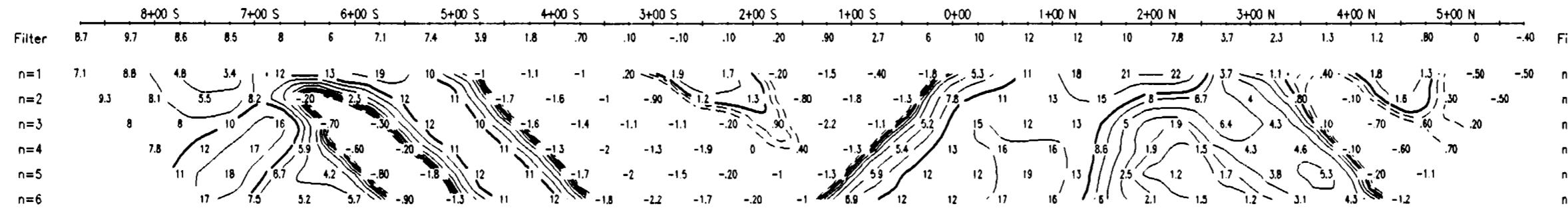


RESISTIVITY  
OHM-METERS



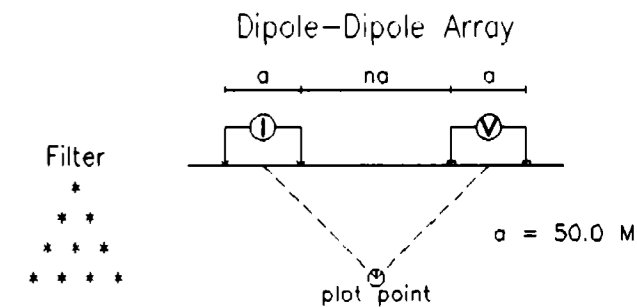
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 2600 W

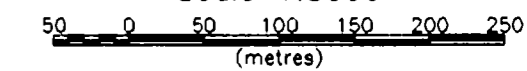


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

#### INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
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Scale 1:5000

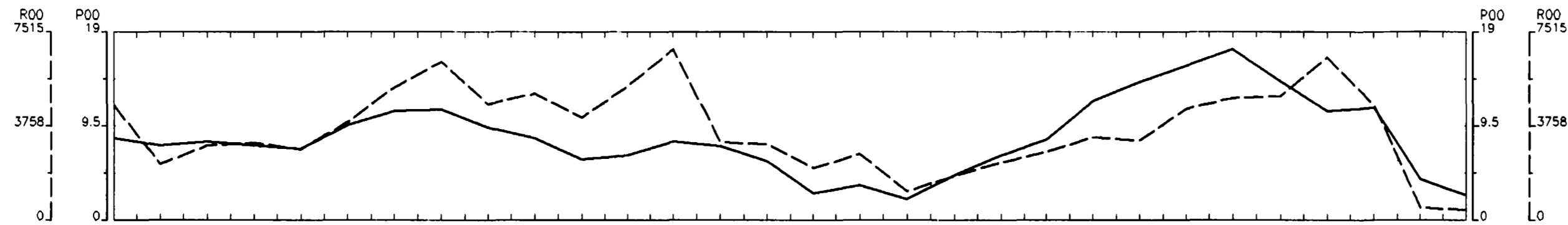


**BARRICK GOLD CORPORATION**

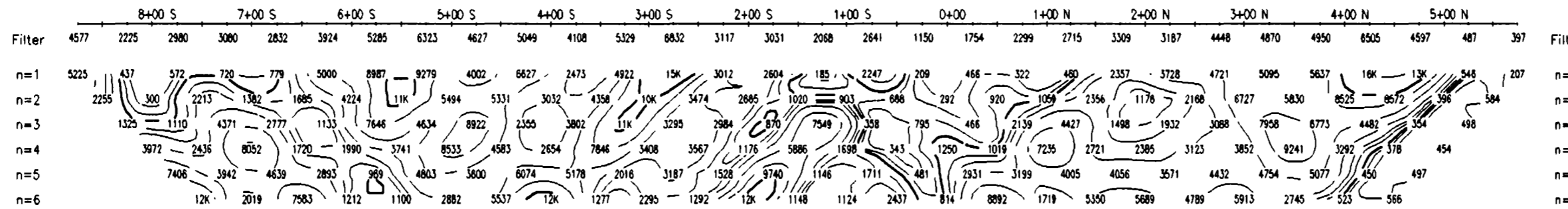
**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

Date: 96/05/26  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**

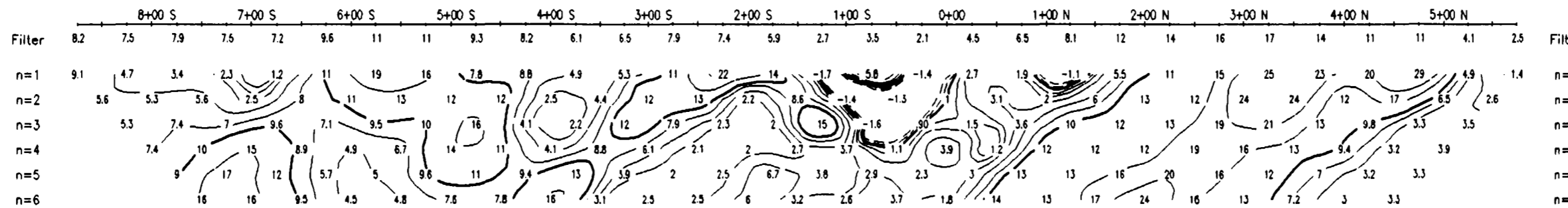


RESISTIVITY  
OHM-METERS



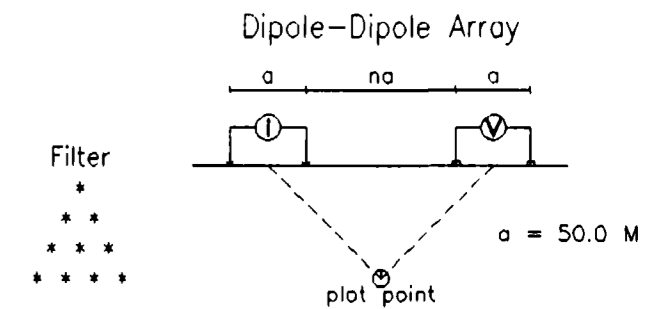
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 2500 W

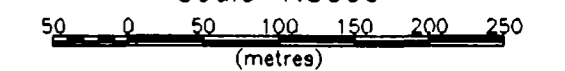


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

#### 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

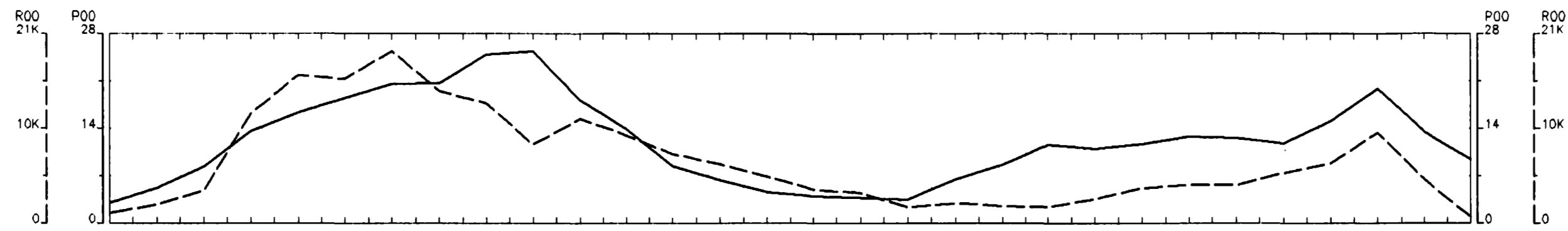


**BARRICK GOLD CORPORATION**

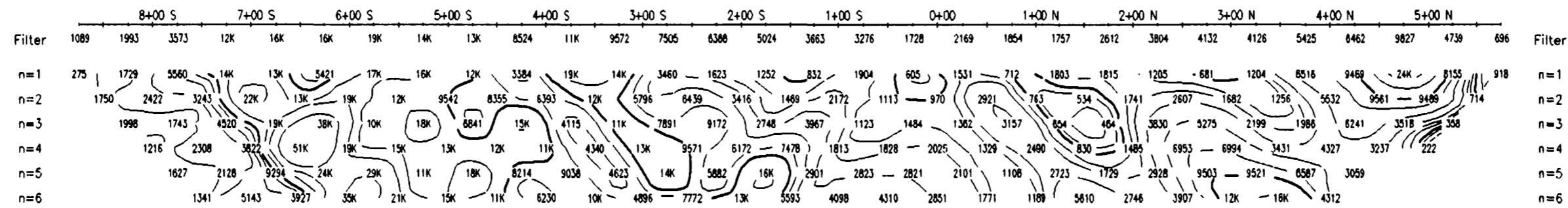
**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

Date: 96/05/25  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**

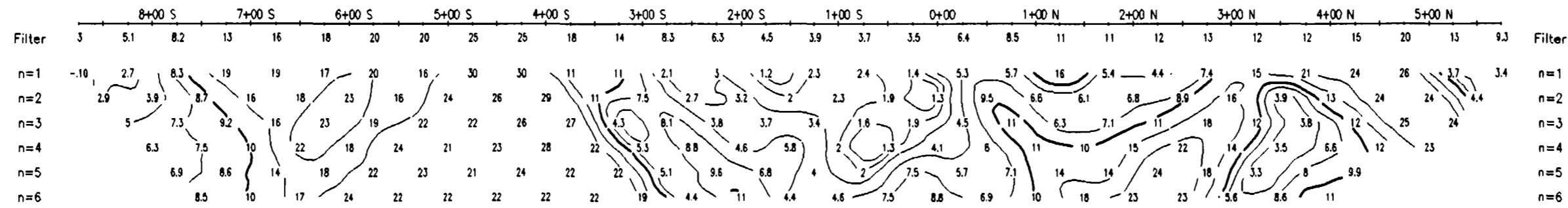


RESISTIVITY  
OHM-METERS



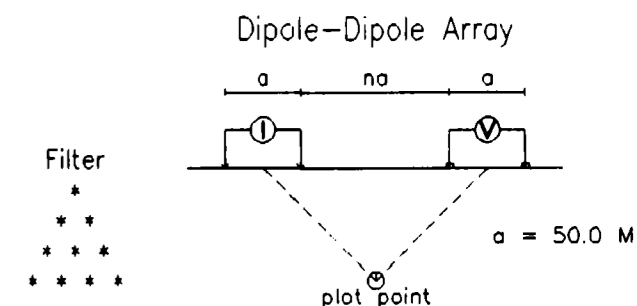
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 2400 W

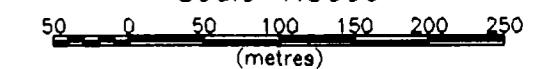


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

#### INTERPRETATION

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

Scale 1:5000

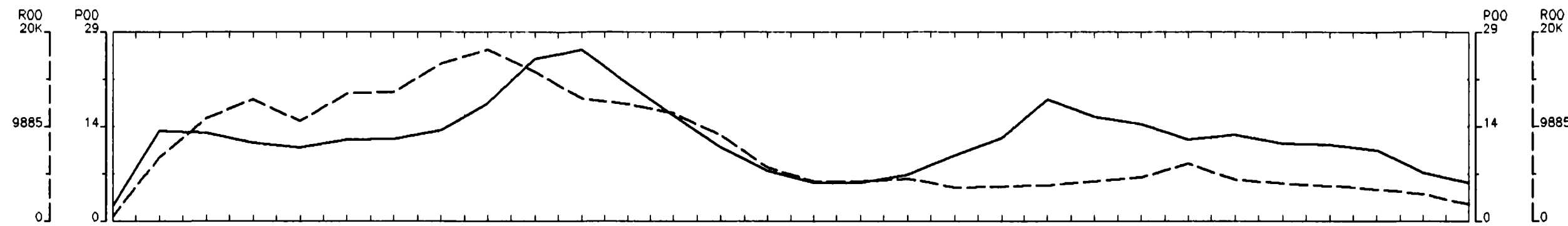


**BARRICK GOLD CORPORATION**

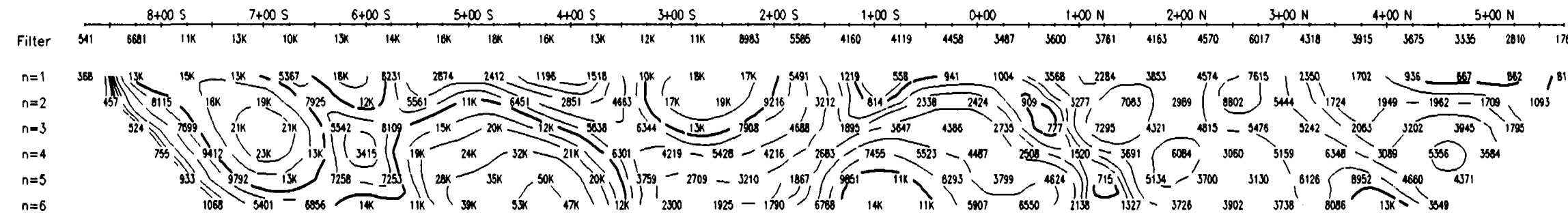
**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

Date: 96/05/25  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**

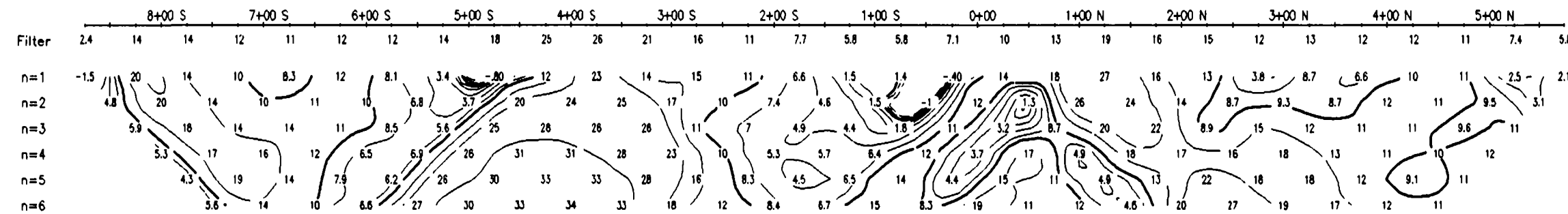


RESISTIVITY  
OHM-METERS



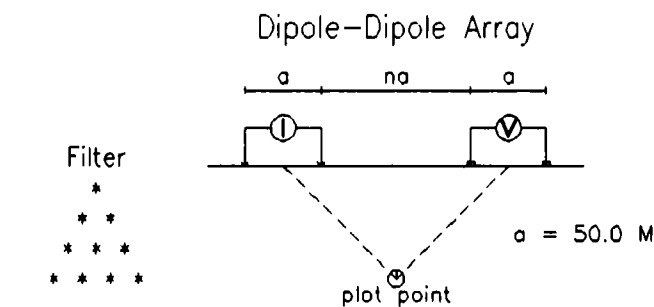
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 2300 W

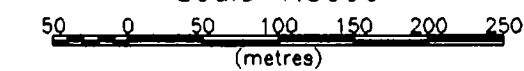


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

### INTERPRETATION

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



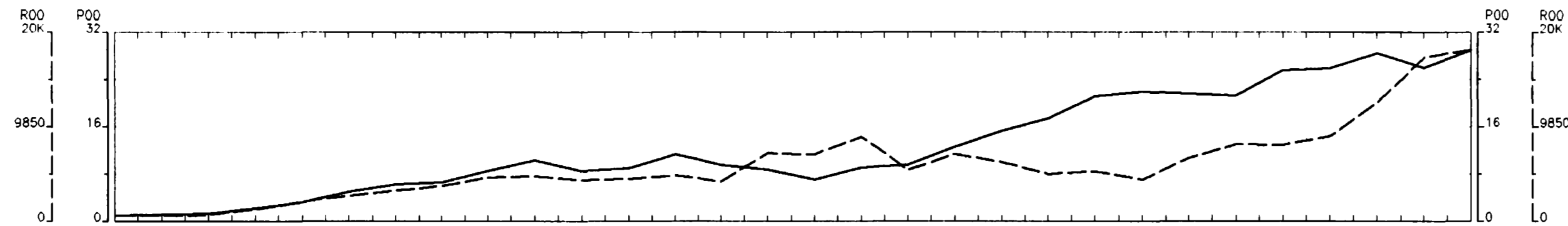
**BARRICK GOLD CORPORATION**

**INDUCED POLARIZATION SURVEY  
STOCH OPTION  
HARKER & GARRISON TWP. ONTARIO**

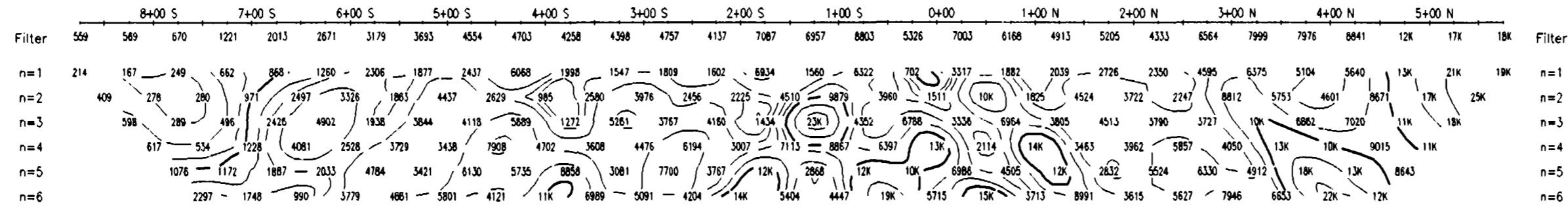
Date: 96/05/25  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**



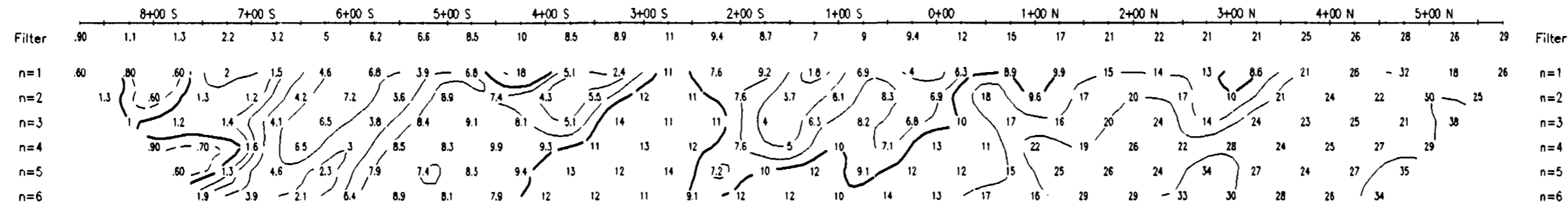


RESISTIVITY  
OHM-METERS



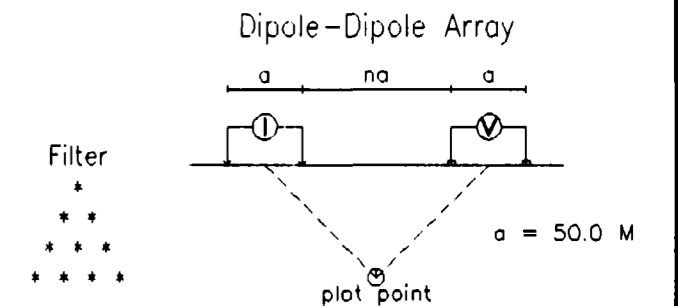
RESISTIVITY  
OHM-METERS

PHASE  
MRAD



PHASE  
MRAD

### Line 2100 W

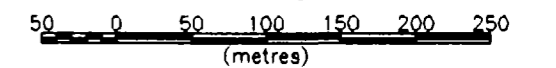


Logarithmic  
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

### INTERPRETATION

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- ▼ Low resistivity feature.

Scale 1:5000



**BARRICK GOLD CORPORATION LIMITED**

**INDUCED POLARIZATION SURVEY  
HARKER & GARRISON TWP.  
ONTARIO**

Date: 96/05/25  
Interpretation: GERARD LAMBERT

**REMY BELANGER (GEOPHYSICAL CONTRACTOR)**









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) 870-7264.

2.16610

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



900

|   |                                   |                                   |
|---|-----------------------------------|-----------------------------------|
| Recorded Holder(s)<br>Barrick Gold Corporation                  |                                   | Client No.<br>302195              |
| Address<br>2, Chemin Bousquet, Route 395, Preissac, Qc, J0Y 2E0 |                                   | Telephone No.<br>(819) 759-3681   |
| Mining Division<br>Larder Lake                                  | Township/Area<br>Garrison, Harker | M or G Plan No.<br>G-3638, G-3643 |
| Dates Work Performed  | From: 6 Mai - June 1996           | To:                               |

Work Performed (Check One Work Group Only)

| Work Group                        | Type   |
|-----------------------------------|--|
| Geotechnical Survey               |  |
| Physical Work, Including Drilling | Line cutting and Induced Polarization Survey |
| Rehabilitation                    |  |
| Other Authorized Work             |  |
| Assays                            |  |
| Assignment from Reserve           |  |

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Total Assessment Work Claimed on the Attached Statement of Costs \$ 25352

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   |
|---------------------------|---|
| Gérard Lambert Géoscience | 144 rue George, CP 2355, Rouyn-Noranda, Qc, J9X 5A9 |
| Rémy Bélanger Enrg.       | C.P. 40, 329 Blvd Evain Ouest, Evain, Qc, J0Z 1Y0   |

(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      | Recorded Holder or Agent (Signature) |
| 7 juin 96 | Gérald Panneton                      |

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: Barrick Gold Corporation  
Gérald Panneton, 2, Chemin Bousquet, Route 395, Preissac, Qc, J0Y 2E0

|                                 |                     |                          |
|---------------------------------|---------------------|--------------------------|
| Telephone No.<br>(819) 759-3681 | Date<br>7 juin 1996 | Certified By (Signature) |
|---------------------------------|---------------------|--------------------------|

For Office Use Only

|   |                                     |                                   |                                       |
|---|-------------------------------------|-----------------------------------|---------------------------------------|
| Total Value Cr. Recorded<br>\$28,800.<br>revised<br>\$32. | Date Recorded<br>June 13/96         | Mining Recorder<br>Linda Panneton | Received Stamp<br>JUN 13 1996 9:34 PM |
|   | Deemed Approval Date<br>Sept. 11/96 | Date Approved                     |                                       |
|   | Date Notice for Amendments Sent     |                                   |                                       |

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2.16619

**ASSESSMENT WORK DONE ON STOCH OPTION PROPERTY  
(1996)**

*Enclosed Copy*

| Work Report Number for Applying Reserve | Claim number | Number of claim units | Kind of claims | 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 |
|---|--------------|-----------------------|----------------|---|-----------------------------|--------------------------------|---|
|   | L765892      | 1                     | Unpat.         | 1232  | 1200                        | 0                              | 32  |
|   | L765893      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765894      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765895      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765896      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765897      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765898      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765899      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765900      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765901      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765902      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765903      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765904      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765905      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765906      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765907      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765908      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765909      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765910      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765911      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765912      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765913      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765914      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
|   | L765915      | 1                     | Unpat.         | 1200  | 1200                        | 0                              | 0   |
| <b>Total of</b>                         | <b>24</b>    |                       |                | <b>28832</b>                                | <b>28800</b>                | <b>0</b>                       | <b>32</b>                                     |

Total value work done      Total value work applied      Total assigned from      Total reserve  
 number of claims

**ASSESSMENT WORK DONE ON STOCH OPTION PROPERTY  
(1996)**

| Work Report Number for Applying Reserve | Claim number | Number of claim units | Kind of claims | 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 |
|---|--------------|-----------------------|----------------|---|-----------------------------|--------------------------------|---|
|   | L765892      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765893      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765894      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765895      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765896      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765897      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765898      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765899      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765900      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765901      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765902      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765903      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765904      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765905      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765906      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765907      | 1                     | Unpat.         | 1201  | 1200                        |                                | 1   |
|   | L765908      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765909      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765910      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765911      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765912      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765913      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765914      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
|   | L765915      | 1                     | Unpat.         | 1201  | 1200                        |                                | 2   |
| <b>Total of number of claims</b>        | <b>24</b>    |                       |                | <b>28832</b>                                | <b>28800</b>                |                                | <b>32</b>                                     |

*See amended copy*

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2000 610

L765892 00324



2.16

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

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

1. Direct Costs/Coûts directs

| Type  | Description                                     | Amount<br>Montant | Totals<br>Total global |
|---|---|-------------------|------------------------|
| Wages<br>Salaires   | Labour<br>Main-d'oeuvre                         |                   |                        |
|   | Field Supervision<br>Supervision sur le terrain |                   |                        |
| Contractor's<br>and Consultant's<br>Fees<br>Droits de<br>l'entrepreneur<br>et de l'expert-<br>conseil | Type<br>Line cutting                            | 27632             |                        |
|   | I.P. survey                                     | 1200              |                        |
|   |   |                   | 28832                  |
| Supplies Used<br>Fournitures<br>utilisées   | Type  |                   |                        |
|   |   |                   |                        |
|   |   |                   |                        |
| Equipment<br>Rental<br>Location de<br>matériel  | Type  |                   |                        |
|   |   |                   |                        |
|   |   |                   |                        |
| <b>Total Direct Costs<br/>Total des coûts directs</b>   |   |                   | <b>28832</b>           |

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<br>Montant  | Totals<br>Total global |
|---|-------------|--|------------------------|
| Transportation<br>Transport   | Type        |  |                        |
|   |             |  |                        |
| Food and<br>Lodging<br>Nourriture et<br>hébergement   |             |  |                        |
|   |             |  |                        |
| Mobilization and<br>Demobilization<br>Mobilisation et<br>démobilisation   |             |  |                        |
|   |             |  |                        |
| <b>Sub Total of Indirect Costs<br/>Total partiel des coûts indirects</b>  |             |  |                        |
| Amount Allowable (not greater than 20% of Direct Costs)<br>Montant admissible (n'excedant pas 20 % des coûts directs) |             |  |                        |
| Total Value of Assessment Credit<br>(Total of Direct and Allowable<br>indirect costs)                                 |             | Valeur totale du crédit<br>d'évaluation<br>(Total des coûts directs<br>et indirects admissibles) | <b>28832</b>           |

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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 | Evaluation 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 AGENT 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.

Gérald Panneton, Exploration Manager  
Barrick Gold Corporation

Signature  Date



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

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

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

August 26, 1996

Our File: 2.16610  
Transaction #: W9680.00324

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

Dear Mr. Spooner:

**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S)  
765892 (ET AL.) IN GARRISON TOWNSHIP (AREA)**

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

**The approval date is August 23, 1996.** Please indicate this approval on the claim record.

If you have any questions regarding this correspondence, please contact Bruce Gates at (705) 670-5856.

Yours sincerely,  
ORIGINAL SIGNED BY:

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

BIG/jf

cc: Resident Geologist  
Kirkland Lake, Ontario

✓ Assessment Files Library  
Sudbury, Ontario



**RÉMY BÉLANGER ENR.**  
ENTREPRENEUR GÉOPHYSIQUE

JUNE 07 - 1996

BARRICK GOLD CORPORATION

O/S NICK TEASDALE

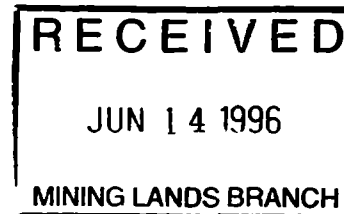
EASTERN CANADA EXPLORATION

2 BOUSQUET ROAD, ROUTE 395

PREISSAC (QUEBEC) JOY 2E0

FAX (819)759-3527

2.16 610



INVOICE #203

INDUCED POLARIZATION SURVEY DIPOLE-DIPOLE 50 METERS SPREADS N=1 to N=6

INCLUDED REPORTS BY GERARD LAMBERT

PROPERTY (STOCK OPTION) GARRISON & HARKER TWP. MATHESON, ONTARIO.

TOTAL OF 32.4 KM. X \$550.00 = \$17,820.00

LINE CUTTING TOTAL OF 39.25 KM.

\$250.00 X 39.25 = \$ 9,812.50

GST # R-106021876 7% = \$ 1,934.28

TOTALS = \$29,566.78

*[Handwritten signature]*  
601-110

C.P. 40, 329, boul. Évain Ouest  
Évain (Québec) J0Z 1Y0

Tél.: (819) 279-2206  
Ré.: (819) 797-6047



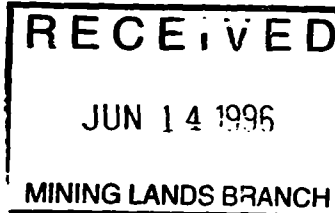
le 7 Juin, 1996

2-16-110

Barrick Gold Corp.Inc.,  
Eastern Canada Exploration  
2, chemin Bousquet, Route 395  
Preissac, Qué. JOY 2E0

Attn.: Nick Teasdale

**FACTURE No : 1060**



Re: **Projet Harker, STOCH BLOCK, levés géophysiques**

Pour la préparation et la planification d'un levé de polarisation provoquée, la supervision du contracteur et pour digitaliser le plan de coupe de lignes, l'interprétation, la mise en plan des données et la rédaction d'un rapport sur ce levé.

- Digitalisation ACAD de la coupe de ligne et du fond topographique (1:5,000)
- Interprétation des levés et digitaliser les axes d'anomalies P.P.
- Imprimer les cartes couleurs 1:5,000 de la résistivité et de la polarisation, montrant l'interprétation de la P.P.
- Rapport et cartes en 4 copies.
- Fournir fichiers informatiques (ACAD et autres).

\$ 1,200.00

Sous-total: \$ 1,200.00

T.P.S.: 7% (R 102 004 058) \$ 84.00

T.V.Q.: 6.5% (1003308363) \$ 83.46

TOTAL: . . . . . \$ 1,367.46

  
Gérard Lambert, ing.,  
Géophysicien consultant



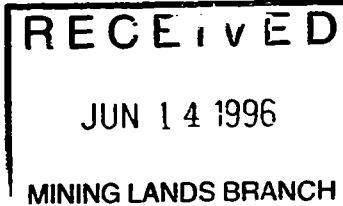


le 7 Juin, 1996

Barrick Gold Corp.Inc.,  
Eastern Canada Exploration  
2, chemin Bousquet, Route 395  
Preissac, Qué. JOY 2E0

Attn.: Nick Teasdale

**FACTURE No : 1060**



Re: **Projet Harker, STOCH BLOCK, levés géophysiques**

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- Rapport et cartes en 4 copies.
- Fournir fichiers informatiques (ACAD et autres).

\$ 1,200.00

Sous-total: \$ 1,200.00

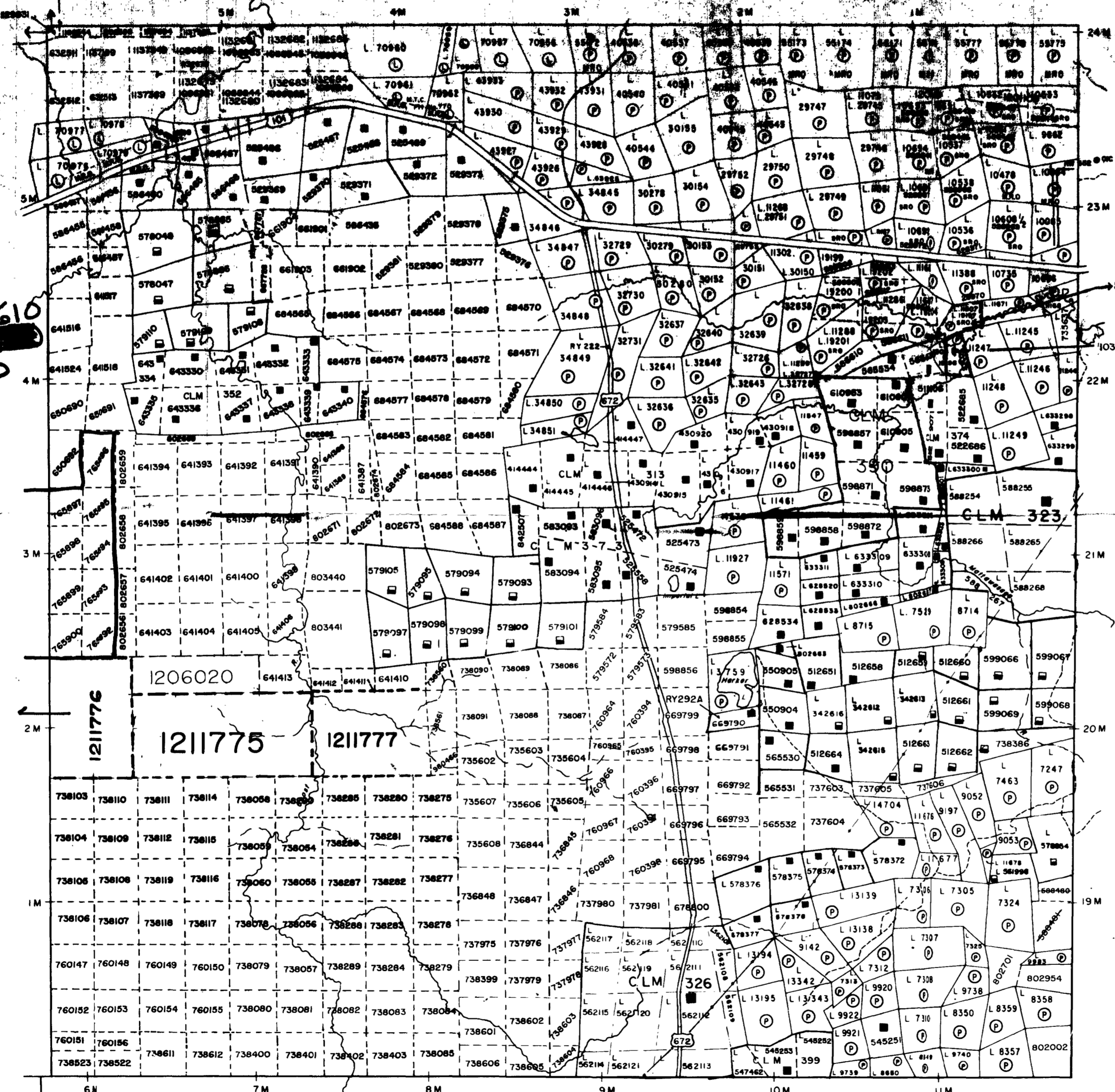
T.P.S.: 7% (R 102 004 058) \$ 84.00

T.V.Q.: 6.5% (1003308363) \$ 83.46

TOTAL: . . . . . \$ 1,367.46

  
Gérard Lambert, ing.,  
Géophysicien consultant

LAMPLUGH TWP M-358



2.16 610  
H.P.

THE TOWNSHIP  
OF  
**HARKER**  
DISTRICT OF  
COCHRANE  
LARDER LAKE  
MINING DIVISION  
SCALE: 1-INCH = 40 CHAINS

RECEIVED  
JUN 14 1996  
MINING LANDS BRANCH

- LEGEND**
- PATENTED LAND ● or ⊙
  - CROWN LAND SALE □ or ◻
  - LEASES ■ or ◼
  - LOCATED LAND Loc.
  - LICENSE OF OCCUPATION L.O.
  - MINING RIGHTS ONLY M.R.O.
  - SURFACE RIGHTS ONLY S.R.O.
  - ROADS
  - IMPROVED ROADS
  - KING'S HIGHWAYS
  - RAILWAYS
  - POWER LINES
  - MARSH OR MUSKEG
  - MINES
  - CANCELLED
  - PATENTED S.R.O.
  - LEASE - MINING RIGHTS ONLY
  - ORDER - IN - COUNCIL

**NOTES**

400' Surface Rights reservation along the shores of all lakes and rivers.

**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 |
|-------------|-----------|------|--|------|
| L.U.P.      |           |      | LAND USE PERMIT NO. 117130, PENDING APPLICATION UNDER PUBLIC LANDS ACT |      |

**DATE OF ISSUE**

JUN 13 1996

LARDER LAKE  
MINING RECORDER'S OFFICE

Ministry of Natural Resources Ontario  
Ministry of Northern Development and Mines

Date \_\_\_\_\_ Number **G-3643**

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO START 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.

ELLIOTT TWP M-347

ARCHIVED APRIL 3, 1995



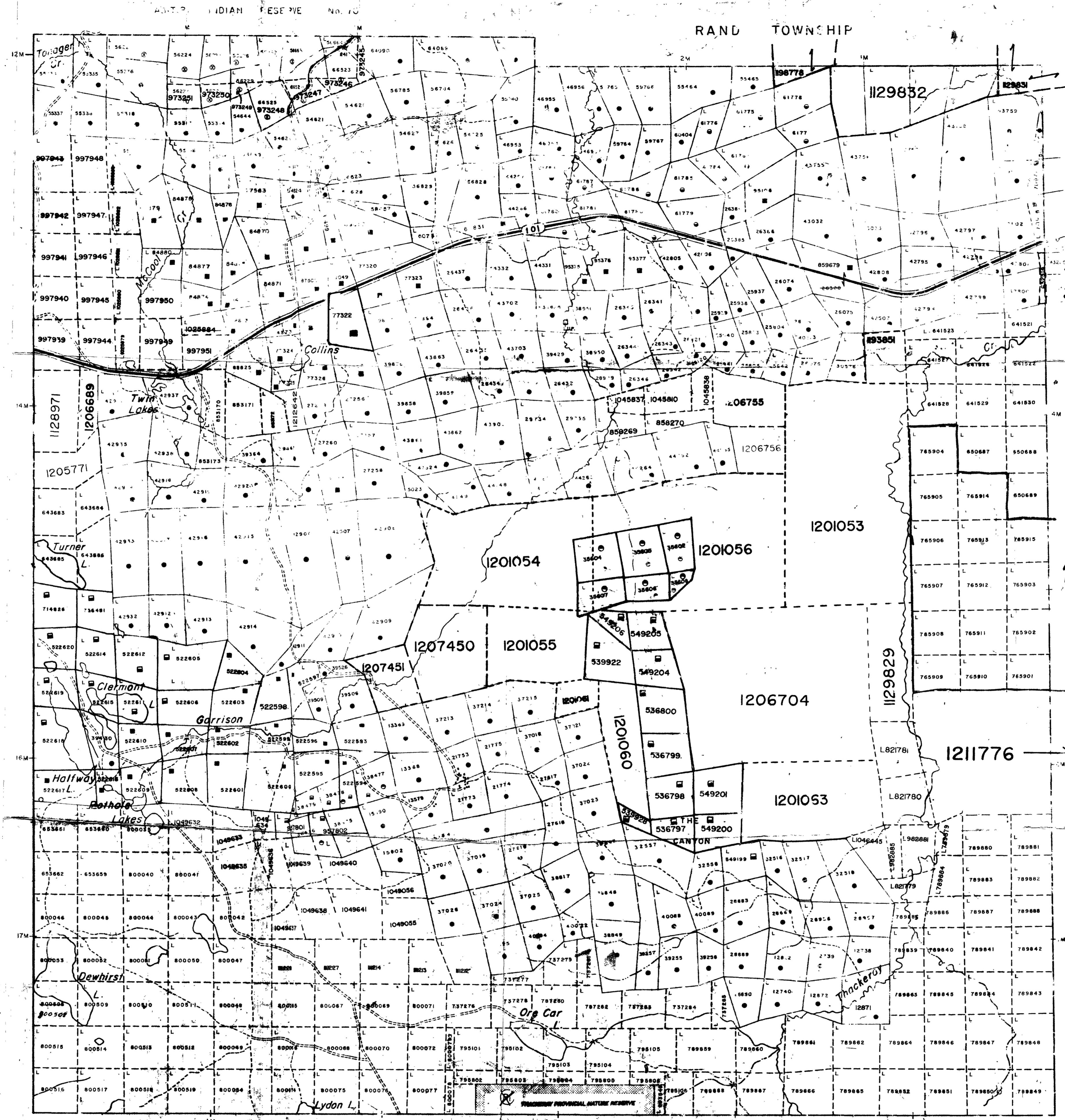
G-3638

AREAS WITH ONLY MINING RIGHTS  
 M.R.O. - MINING RIGHTS ONLY  
 S.R.S. - SURFACE RIGHTS ONLY  
 M.S.L. - MINING AND SURFACE RIGHTS

Disposition Order No. Date Disposition File  
 99-307-2-20-90 M.R.O.S. 2/22/93 SA & M.P.

Apply under Public Lands Act - Proposed  
 Highway Line

N.W. 63 RES. RENEWED MARCH 29/85. AS OF JANUARY 28, 1985  
 DECLARED A PROVINCIAL PARK



**LEGEND**

HIGHWAY AND OTHER RIGHTS  
 TOWNSHIP S.B. DE LINES ETC.  
 LOTS, MINING CLAIMS, PARCELS, ETC.  
 UNSURVEYED LINES  
 LOT LINES  
 SURFACE RIGHTS ONLY  
 MINING RIGHTS ONLY  
 MINING AND SURFACE RIGHTS  
 ORIGINAL SHORELINE  
 MINE TRAVEL CONCESSION

**DISPOSITION OF LAND**

TYPE OF DOCUMENT

PATENT SURFACE & MINING RIGHTS  
 SURFACE RIGHTS ONLY  
 MINING RIGHTS ONLY  
 LEASE SURFACE & MINING RIGHTS  
 MINING RIGHTS ONLY  
 LICENSE TO MINERALS  
 RESERVE  
 CONCESSION

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1, 1915, VEST IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.C. 1970, CHAP. 16, SEC. 63, SUBSEC. 1.

SCALE 1:20,000  
 Application for 5.0 Ayls  
 under public lands Act.

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.

TOWNSHIP  
**GARRISON**

M.N.R. ADMINISTRATIVE DISTRICT  
 KIRKLAND LAKE

MINING DIVISION  
 LARDER LAKE  
 LAND TITLES / REGISTRY DIVISION  
 COCHRANE

Ministry of Natural Resources  
 Ministry of Northern Development and Mines

DATE: AUGUST, 1986

G-3638

HARKER TOWNSHIP  
 2.16610

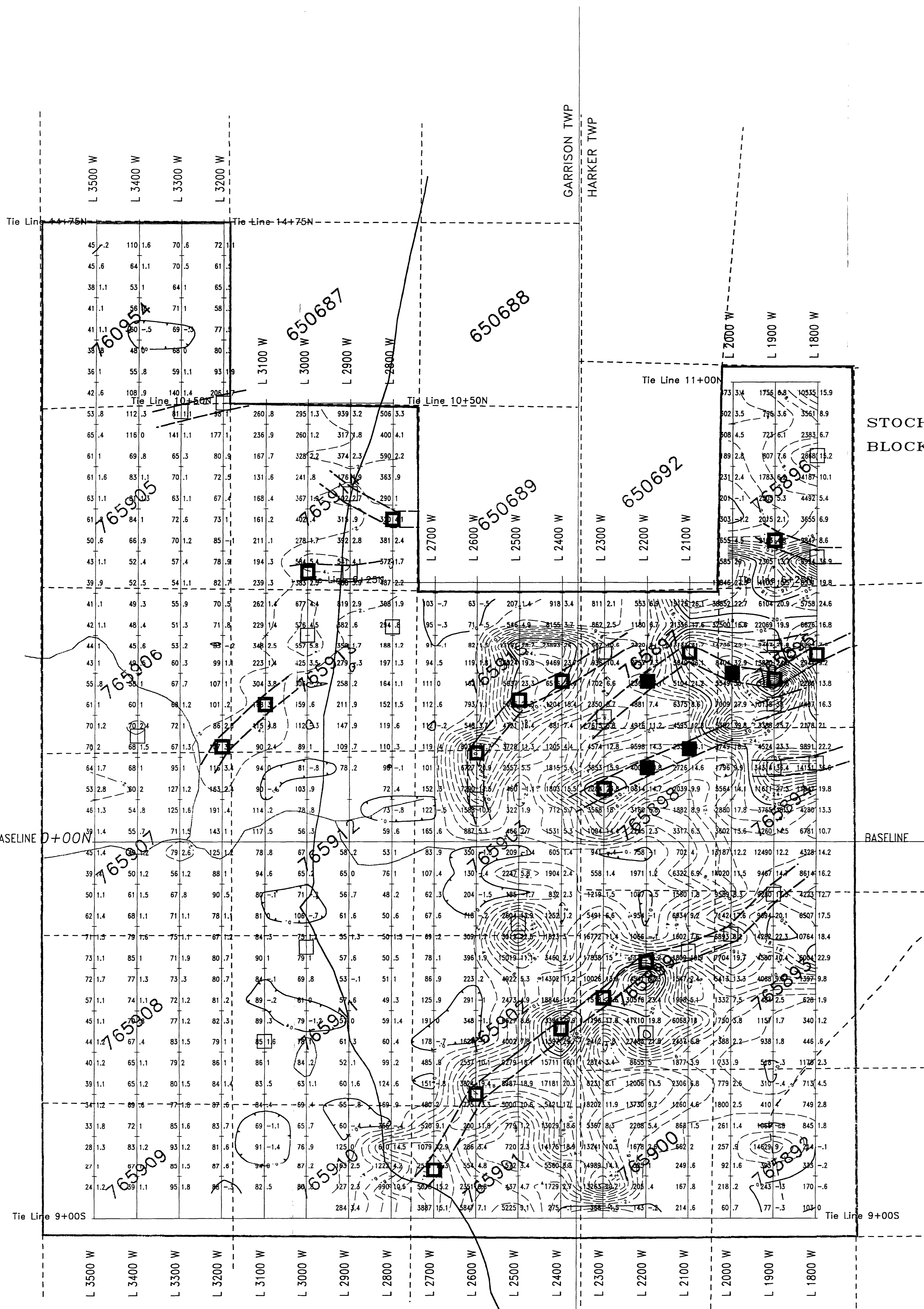
2.16

COPIES OF THIS MYLAR  
 ARCHIVED MAY 13/93  
 ARCHIVED MAY 17, 1995

G-3638



G-3638



### LEGEND

**DIPOLE-DIPOLE ARRAY**

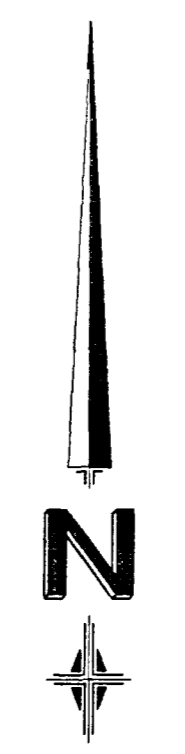
Instruments: Phoenix IPT-1 Tx, Turbo V-4 Rx  
 Frequency: 1.0 Hz  
 Operator: Remy Belonger

I.P. survey by: Remy Belonger  
 May 1998

### INTERPRETATION

- Polarization 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.
- Polarization increase without any significant decrease of the apparent resistivity. Disseminated to stringer to semi-massive sulphides, discontinuous graphite, apatite-rich sulphides. Also altered, pyritic structures, siliceous masses, native arsenic, precious metals.
- Poorly defined polarization increase with no apparent resistivity signature. Small quantities of sulphides, narrow mineralized veins, sometimes noisy readings, due to contact problems, weathering, surface conductance.

|                          |                          |
|--------------------------|--------------------------|
| Resistivity (Ohm-meters) | Polarization (mV/demens) |
| 100                      | 0.1                      |
| 1000                     | 0.2                      |
| 10000                    | 0.3                      |
| 100000                   | 0.4                      |
| 1000000                  | 0.5                      |



STOCH BLOCK

BASELINE

RECEIVED  
 JUN 14 1998  
 MINING LANDS DIVISION

2.16610

**BARRICK** BARRICK GOLD CORPORATION  
 (Eastern Canada Exploration)

**HOLT McDERMOTT PROJECT**  
 STOCH BLOCK  
 INDUCED POLARIZATION SURVEY  
 Contours of the polarization (I.P. effect)

Data processing and interpretation by: Gerard Lambert, P.Eng.

PROJECT NO. 612  
 RANGE(S)  
 TOWNSHIP(S) HARKER & GARRISON, Ont.  
 N. T. S. 32 D/5, 32 D/12  
 NO. INF.

LAMBERT GEOSCIENCES LTD.

