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MACDIARMID

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REPORT ON GEOPHYSICAL WORK

MACDIARMID 51 MACDIARMID TOWNSHIP

NTS: 42-A/12

PROJ # 8034

FOR FALCONBRIDGE LIMITED



NOVEMBER 1998

D. LONDRY TIMMINS GEOPHYSICS LTD

SUMMARY AND RECOMMENDATIONS

HLEM and magnetic surveys were carried out over the Macdiarmid 51 property for Falconbridge Limited in September, 1998.

The magnetic survey mapped north-south striking diabase dikes and northwest striking ultramafics. The HLEM survey detected a number of northwest striking conductors. Two of the EM anomalies, B' and 'F', are mainly quadrature responses and probably do not have a bedrock source. Anomaly 'D' is also a quadrature anomaly but coincides with a high amplitude magnetic anomaly which represent ultramafics; this anomaly is located on strike with good conductivity to the southeast on the Canadian Johns Manviklle property.

Anomaly 'C' is poorly defined because of its position between anomalies 'A' and 'D' and the interpretation of anomaly 'E' is complicated because of a coincident bedrock high, however, there is no doubt that these anomalies have a bedrock source. They are both potential drill targets, however, the grid should be extended to the southeast of these zones to get a better idea of their strike length.

Anomalies 'A', 'G' and 'H' appear to be formational because of their strike length, however, it is recommended that anomaly 'A' is tested on Line 2400 East where the conductor widens, possibly due to a second conductor.



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INTRODUCTION

Magnetic and horizontal loop electromagnetic (HLEM) surveys were carried out on the Macdiarmid 51 property for Falconbridge Limited, in September 1998.

The property is located approximately 30 kilometres northwest of the city of Timmins (Figure 1(a)) in the northwest portion of Macdiarmid Township, Porcupine Mining Division. The grid can be accessed by all-terrain vehicle in the summer or snowmobile in the winter along bush roads which run east and then south from the Abitibi Camp 50 road which runs north from Kamiskotia Lake.

The surveys covered part of eleven mining claim (Figure 1(b)) which are described in Table 1. The HLEM survey was carried out by B. Pigeon and the author of this report and the magnetic survey was run by J. derWeduwen.

| CLAIM# | # of UNITS | DUE DATE | TOWNSHIP |
|---------|------------|---------------|------------|
| 995399 | 1 | Nov 23, 1998 | Macdiarmid |
| 995400 | 1 | May 21, 1999 | Macdiarmid |
| 995401 | 1 | May 21, 1999 | Macdiarmid |
| 995402 | 1 | May 21, 1999 | Macdiarmid |
| 995403 | 1 | May 21, 1999 | Macdiarmid |
| 995404 | 1 | May 21, 1999 | Macdiarmid |
| 995447 | 1 | May 21, 1999 | Macdiarmid |
| 995448 | 1 | May 21, 1999 | Macdiarmid |
| 995449 | 1 | May 21, 1999 | Macdiarmid |
| 1211721 | 4 | May 29, 2000 | Macdiarmid |
| 1212996 | 3 | July 29, 2000 | Macdiarmid |

Table 1: Property Description

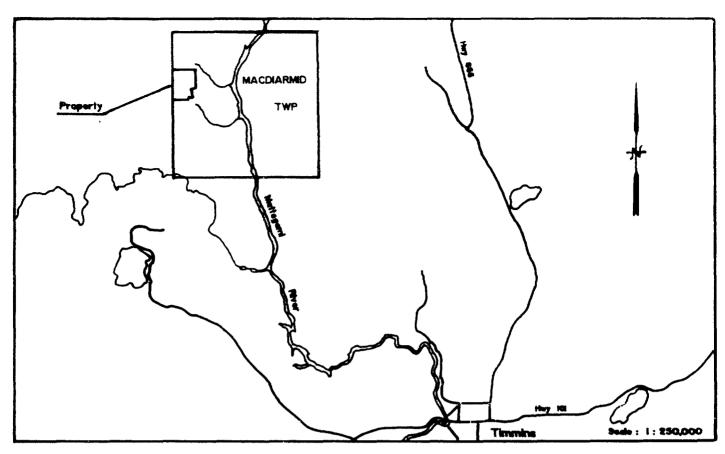


Figure I (a): Location Map

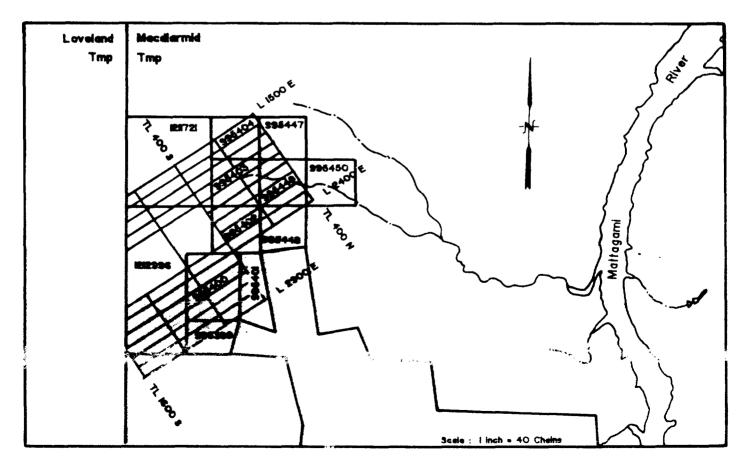


Figure I (b): Claim Map

GENERAL GEOLOGY

Macdiarmid Township is located near the west end of the Abitibi greenstone belt which consists of predominantly east-west striking, steeply dipping Archean sediments and ultramafic to felsic volcanics. These rocks have been intruded by ultramafic to felsic bodies, north-south striking Matachewan diabase dikes and east northeast striking Keweenawan diabase dikes.

In 1970, the Ontario Division of Mines carried out a regional magnetic survey in Macdiaramid and Loveland Townships. These results were compiled with existing surveys, which were submitted for assessment work credits, and the geology of the two townships was interpreted from the magnetics on map 2288 at a scale of 1 inch to ½ mile (Middleton, 1974). The geology of Macdiarmid Township is also presented on map 2205 at a scale of 1 inch to 4 miles (Pyke, 1973) on map P3379 at a scale of 1:100,000 (Ayer etal, 1998).

Previous surveys and drilling in the vicinity of the Macdiarmid 51 property suggest that it is underlain by northwest striking acidic to intermediate volcanics and graphitic sediments. An ultramafic body, centered to the southeast on patented claims held by Canadian Johns Manville Company, trend northeast through the Macdiarmid property. All of the rocks have been intruded by north northwest striking diabase dikes.

PREVIOUS WORK

The following is a description of previous exploration work carried out on the property and submitted for assessment work credits (Table 2).

In 1964, Canadian Aero Mineral Surveys Limited flew a combined magnetic and EM survey over all of Kidd Township and most of Macdiarmid and Wark Townships for Conwest Exploration Ltd.; no followup ground work was filed in the vicinity of the present Falconbridge property.

In 1964, Silver-Miller Mines Limited held eight claims in Macdiarmid Township along the Macdiarmid-

| YEAR | COMPANY | GEOPHYSICS | DRILL HOLES | AFRI FILE |
|------|-------------------------------------|------------|----------------|--------------|
| 1964 | Conwest Exploration Ltd. | Amag, AEM | | 42A11NW0029 |
| 1964 | Silver-Miller Mines Limited | Mag, HLEM | | 42A12NE0569 |
| 1965 | Silver-Miller Mines Limited | | SM-1 to 6 | 42A12NE0937 |
| 1964 | Mistango River Mines Ltd. | Mag, HLEM | | 42A12NE0837 |
| 1964 | North Rankin Nickel Mines Ltd. | Mag, HLEM | | 42A12NE0762 |
| 1965 | North Rankin Nickel Mines Ltd. | | NRK-65-1 to 7 | 42A12NE0538 |
| 1977 | Phelps Dodge Corp of Canada Limited | Mag, HLEM | | 42A11NW0624 |
| 1977 | Amax Potash Ltd | Amag | | 42A11NW0615 |
| 1978 | Amax Minerals Exploration | Geology | | 42A11NW0614 |
| 1988 | Falconbridge Limited | Mag, HLEM | | 42A12NE0509 |

Table 2. Summary of previous assessment work.

Loveland township line. They ran magnetic and HLEM surveys on northeast southwest lines spaced every 400 metres. The magnetic survey was run with a fluxgate magnetometer and the HLEM survey was run with a coil separation of 200 feet at a frequency of 876 Hertz. Five holes were drilled on what is now claims 995400 and 1212996 and one other was drilled just to the south. These holes were drilled to test EM anomalies although there were no conductors intersected.

In 1964, North Rankin Nickel Mines Ltd. ran magnetic and HLEM surveys to the northeast of the Silver-Miller property; eight holes were drilled to test EM anomalies.

In 1964, Lovejoy Mining and Exploration Limited and Mistango River Mines Limited ran magnetic and HLEM surveys on a property directly to the east of the Silver-Miller property; no drilling was reported.

In 1975, Phelps Dodge Corporation of Canada Limited ran geophysical surveys on four claim groups in Macdiarmid Township. The most western group consisted of three claims which are presently claims 995400, 995401 and 995402 on the Macdiarmid 51 property. Magnetic and HLEM surveys were run on these three claims, along lines oriented approximately northeast-southwest and spaced every 400 feet. The HLEM survey was run with a coil separation of 400 feet at a frequency of 1600 Hertz. Although no

drilling was filed, Amax reported finding a drill site and drill core in the middle of what is now claim 995400.

In 1977, Amax Potash Limited had a combined magnetic and INPUT EM survey flown over part of Macdiarmid Township to cover a number of claim blocks held by the company. The survey was flown along east-west lines spaced approximately every 660 feet. A geological survey was carried out on two claims which are presently 995400 and 995401.

In 1987, the Ontario Geological Survey carried out a combined airborne magnetic and EM survey in the Timmins area which included Macdiarmid Township (OGS, 1988). This survey was flown along north-south lines spaced approximately every 200 metres.

In 1988, Falconbridge Limited carried out magnetic and HLEM surveys over a large claim group which included the east half of the present Macdiarmid 51 property. The surveys were run along north-south lines spaced every 100 metres; the HLEM survey was run with a coil separation of 120 metres at frequencies of 444 and 177 Hertz. At least five drill holes were sunk to the east of the present property to test EM anomalies.

SURVEY DESCRIPTIONS

The surveys were run on grid lines spaced every 100 metres and oriented at 55° Az (Figure 1(b)). Tie lines were cut every 400 metres and all of the lines were picketed every 20 metres.

The magnetic readings were taken every 10 metres with a Scintrex IGS-2/MP-4. This instrument is a proton precession magnetometer which measures the earth's total magnetic field to an accuracy of 0.1 gammas. Diurnal variations were monitored every 10 seconds with a Scintrex MP-3 base station magnetometer, located off the grid at 10200 East, 10360 North; the base station value to which all of the readings were levelled is 59237 nT. A total of 2442 readings were taken along 23.6 kilometres of line.

The horizontal loop EM survey was carried out with the Apex Parametrics MaxMin I-5. This instrument measures the in-phase and quadrature components of the secondary field as a percentage of

the primary field; the depth of penetration is approximately half of the coil separation. Readings were taken every 20 metres along four of the grid lines using a coil separation of 200 metres and frequencies of 222, 444 and 1777 Hertz. A total of 797 stations were read along 18.6 kilometres of line.

HLEM RESULTS

The results of the HLEM survey are profiled on maps 1, 2 and 3 at a scale of 1:5000; the profile scale used is 1 cm = 20 % for all of the frequencies. The 444 Hertz results are also presented in Figure 2 at a scale of 1:12,500. The following is a description of the conductors which were detected in the surveys.

Anomaly 'A' strikes northwest between Lines 2300 and 2900 East at 1000 South. The source of the anomaly is a 20 to 35 metre wide zone of poor to good conductivity (Table 3). The width can not be determined on Line 2900 East because of interference from anomaly 'B' to the northeast. The depth to the source is 40 metres on Lines 2500 and 2600 East and increases to 60 metres to the northwest and southeast. The dip of the conductor is close to vertical or steep to the northeast.

| LINE | ANOMALY CENTER | ANOMALY WIDTH (m) | IP (%) | Q (%) | DEPTH (m) | CONDUCTIVITY THICKNESS (mhos) | COMMENTS |
|--------|-------------------|-------------------------|-----------|----------|--------------|-------------------------------------|----------|
| 2300 E | 1000 S | narrow | -5 | -6 | 64 | 6 | |
| 2400 E | 980 S | 40 | -11 | -10 | 54 | 11 | |
| 2500 E | 985 S | 30 | -9 | -12 | 40 | 6 | |
| 2600 E | 990 S | 20 | -10 | -13 | 40 | 6 | |
| 2700 E | 990 S | 20 | -15 | -9 | 58 | 20 | |
| 2800 E | 990 S | 20 | -12 | -9 | 60 | 16 | |
| 2900 E | 1000 S | ? | -4 | -6 | 50 | 4 | |

Table 3: Anomaly 'A' Interpretation, 444 Hz, 200 metre coil separation.

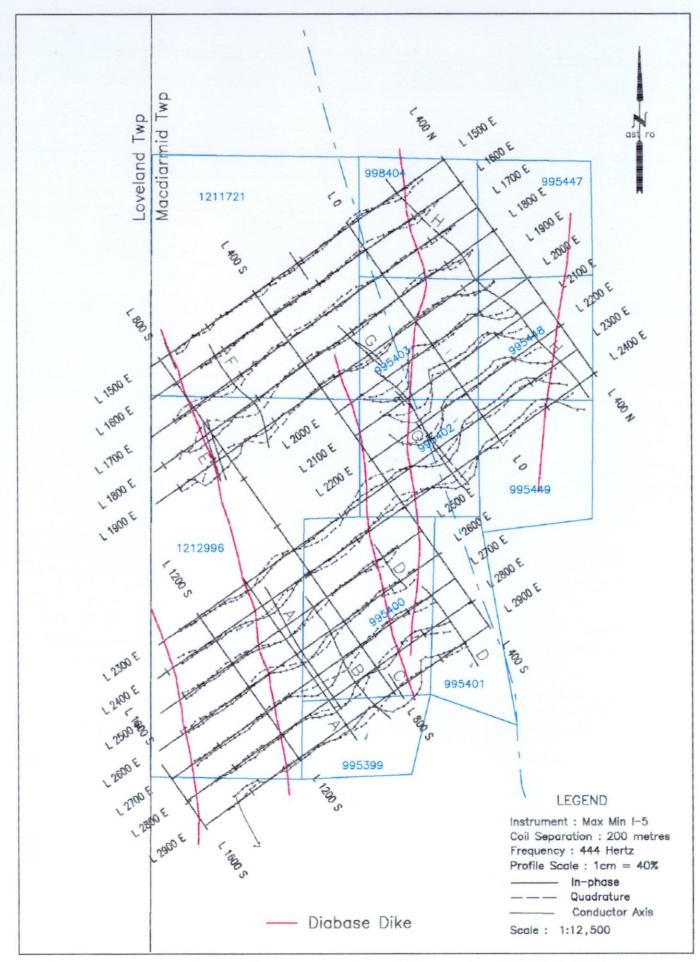


Figure 2: HLEM Results, 444 Hertz, 200 metre coil separation, Macdiarmid 51

This conductivity appears to be formational, however, the larger width on Lines 2400 and 2500 East may be due to a second conductor on the flank of the main zone. The anomaly should be tested by diamond drilling on Line 2400 East.

Anomaly 'B' is a poorly defined anomaly on the northeast flank of anomaly 'A', between 860 South on Line 2500 East and 880 South on Line 2900 East. It is mainly a quadrature anomaly and therefore represents very poor conductivity. Since there is no in-phase component, no parameters were calculated for it.

Anomaly 'C' is located at 780 South on Line 2900 East. This is a strong in-phase anomaly, however there is an inversion in the quadrature component which suggests very conductive overburden. The positive quadrature component makes it difficult to calculate any parameters other than the axis (Table 4). The results using a frequency of 222 Hertz show that this zone likely continues to the northwest as far as 2600 East; the anomaly, to the northwest of Line 2900 East, in the higher frequency results is hidden in the northeast shoulder of anomaly 'A'.

| LINE | ANOMALY CENTER | ANOMALY WIDTH (m) | (%) | Q (%) | DEPTH (m) | CONDUCTIVITY THICKNESS (mhos) | COMMENTS |
|--------|-------------------|-------------------------|-----|----------|--------------|-------------------------------------|----------|
| 2900 E | 780 S | ? | -17 | ? | ? | ? | |

Table 4: Anomaly 'C' Interpretation, 444 Hz, 200 metre coil separation.

Anomaly 'D' is located along the northeast end of Lines 2500 to 2900 East. It is a quadrature anomaly and therefore represents very poor conductivity. Since it is only partially defined and there is little in-phase component, it is difficult to interpret other than the location of the southwest edge of the

conductor and the fact that it is a poor conductor.

Anomaly 'E' is located between 810 South on Line 1800 and 840 South on Line 1900 East. There is a positive quadrature response associated with the anomaly which may be due to a bedrock high and no parameters can be calculated for the anomaly. In the high frequency results, the anomaly is displaced to the southwest, probably in response to the edge of the bedrock high rather than the bedrock conductor; the in-phase component is also positive over the bedrock high.

A partially defined anomaly at 765 South on Line 1500 East may be the extension of anomaly 'E', possibly separated from the anomaly on Lines 1800 and 1900 by the diabase dike.

| LINE | ANOMALY CENTER | ANOMALY WIDTH (m) | IP (%) | Q (%) | DEPTH (m) | CONDUCTIVITY THICKNESS (mhos) | COMMENTS |
|--------|-------------------|-------------------------|-----------|----------|--------------|-------------------------------------|----------|
| 1800 E | 810 S | 20 | -7 | ? | ? | ? | |
| 1900 E | 840 S | 20 | -14 | ? | ? | ? | |

Table 5: Anomaly 'E' Interpretation, 444 Hz, 200 metre coil separation.

Anomaly 'F' is mainly a quadrature anomaly and therefore represents poor conductivity. It is located on the northeast flank of the positive response from conductor 'E' and supports the interpretation that there is a bedrock high coincident with anomaly 'E'.

Anomaly 'G' strikes northwest between 220 South on Line 1800 East and 190 South on Line 2400 East. The source of the anomaly is good conductivity which is up to 20 metres wide (Table 6). The depth to the source is between 30 and 50 metres on Lines 2000 to 2400 East, however it gets much deeper to the west on Lines 1800 and 1900 East. The dip of the conductor is difficult to interpret

because not all of the profiles are complete; the anomalies on Lines 2300 and 2400 East suggest a steep northeast dip and the profile on Line 1800 East suggests the source is close to vertical.

The anomaly centered at 220 South on Line 1500 East is likely the continuation of the same horizon which has been segmented by a diabase dike.

| LINE | ANOMALY CENTER | ANOMALY WIDTH (m) | IP (%) | Q (%) | DEPTH (m) | CONDUCTIVITY THICKNESS (mhos) | COMMENTS |
|--------|-------------------|-------------------------|-----------|----------|--------------|-------------------------------------|----------|
| 1500 E | 220 S | narrow | -4 | ? | ? | ? | |
| 1800 E | 220 S | narrow | -4 | -3 | 100 | 14 | |
| 1900 E | 195 S | 15 | -9 | -7 | 74 | 16 | |
| 2000 E | 200 S | ? | -28 | -14 | 34 | 34 | |
| 2100 E | 185 S | 20 | -29 | -16 | 26 | 27 | |
| 2200 E | 190 S | narrow | -24 | -14 | 36 | 21 | |
| 2300 E | 195 S | 15 | -20 | -11 | 48 | 23 | |
| 2400 E | 190 S | 20 | -20 | -9 | 52 | 43 | |

Table 6: Anomaly 'G' Interpretation, 444 Hz, 200 metre coil separation.

Anomaly 'H' is a partially defined anomaly along the northeast end of Lines 1500 to 2400 East. The conductivity of the source is very poor on Lines 1500 to 1800 East, however, it improves quickly to the east (Table 7). The depth to the conductor also increases from less than 20 metres in the west to 50 metres on Line 2200 East. The width and dip of the conductor can not be determined because the northeast half of the anomaly is incomplete.

| LINE | ANOMALY CENTER | ANOMALY WIDTH (m) | IP (%) | Q (%) | DEPTH (m) | CONDUCTIVITY THICKNESS (mhos) | COMMENTS |
|--------|-------------------|-------------------------|------------|----------|--------------|-------------------------------------|----------|
| 1500 E | 200 S | ? | -2 | -9 | <20 | 1 | |
| 1600 E | 220 S | ? | -2 | -8 | <20 | 1 | |
| 1700 E | 240 S | ? | -1 | -4 | <20 | 1 | |
| 1800 E | 260 S | ? | - 5 | -8 | 40 | 4 | |
| 1900 E | 255 S | ? | -16 | -14 | 40 | 11 | |
| 2000 E | 285 S | ? | -25 | -16 | 30 | 18 | |
| 2100 E | 305 S | ? | -24 | -11 | 44 | 40 | |
| 2200 E | 305 S | ? | 26 | -7 | 50 | 78 | |
| 2300 E | 325 S | ? | ? | ? | ? | ? | |
| 2400 E | 335 S | ? | ? | ? | ? | ? | |

Table 7: Anomaly 'H' Interpretation, 444 Hz, 200 metre coil separation.

MAGNETIC RESULTS

The magnetic results are contoured every 100 nT on map 4 at a scale of 1:5000. A colour image of the results is given in Figure 3 at a scale of 1:12,500.

The most prominent feature in the magnetic results is a very high amplitude anomaly which strikes northwest from Line 2900 East to 1900 East, immediately to the southwest of Tie Line 400 South. This anomaly, no doubt, represents the extension of an ultramafic body which is centered to the southeast on Canadian Johns Manville property.

To the southwest of the ultramafic, the magnetic field is uniformly low except for two linear north-south striking magnetic highs which represent diabase dikes. To the northeast of the ultramafic there are also at least two more north-south striking diabase dikes. Other linear magnetic high anomalies in this area, with the same amplitude as the dikes, strike northwest and may represent ultramafic intrusives or flows. They may also be diabase dikes which have been diverted parallel to stratigraphy at a geological

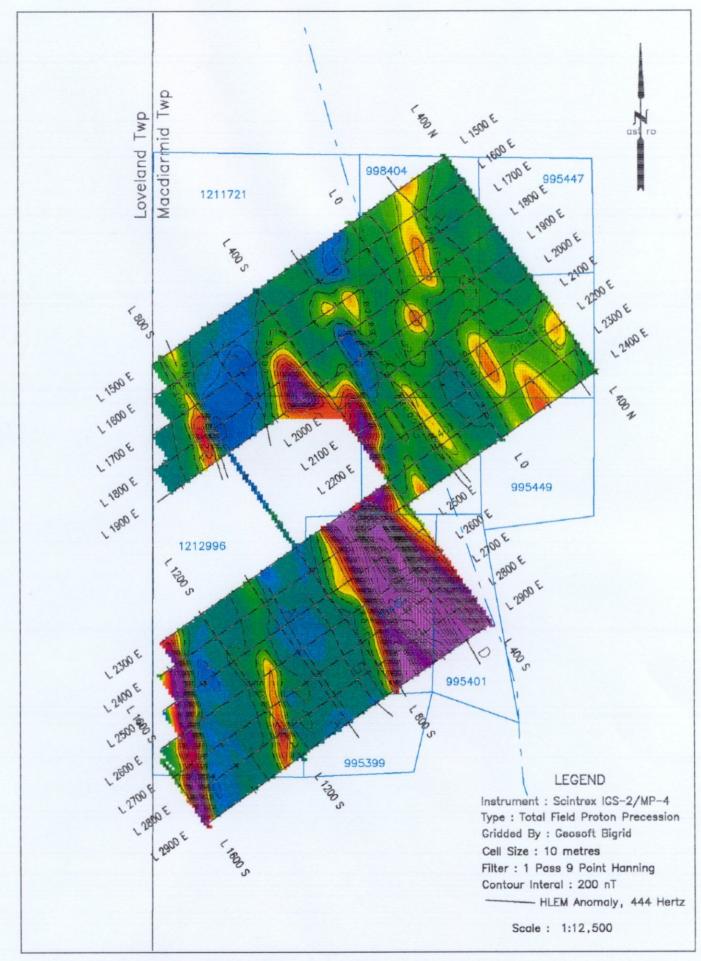


Figure 3: Total Magnetic Field, Macdiarmid 51

contact or fault zone.

EM anomaly 'D' coincides with, and in places flanks, the large magnetic anomaly in the middle of the survey area. Anomaly 'E' is located on the flank of an anomaly which reflects a diabase dike and anomaly 'G' is located on the flank of a northwest striking magnetic high which likely represents an ultramafic.

Nov. 20, 1998

DATE

D. LONDRY TIMMINS GEOPHYSICS LTD

REFERENCES

Ayer, J.A. and Trowell, N.F.

1998: Geological Compilation of the Timmins Area, Abitibi Greenstone Belt; Ontario Geological Survey, Preliminary **Map P.3379**, scale 1:100,000.

Middleton, R.S.

1974: Magnetic Survey of Loveland and Macdiarmid Townships, District of Cochrane; Ontario Division of Mines, GPR2, 26 p. Accompanied by **Map 2288**, scale 1 inch to ½ mile.

Ontario Geological Survey

1988: Airborne Electromagnetic and Total Intensity Survey, Timmins Area, Macdiarmid Township, Districts of Cochrane and Timiskaming Ontario; by Geoterrex Limited, for Ontario Geological Survey. Geophysical/Geochemical Series **Map 81061.** Scale 1:20,000. Survey and compilation from March 1987 to October 1987.

Pyke, D.R., Ayres, L.D. and Innes, D.

1973: Timmins-Kirkland Lake Sheet; Ontario Division of Mines, Geological Compilation Series, Map 2205, scale 1" = 4 miles.



Declaration of Assessment Work Performed on Mining Land

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

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MACDIARMID

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bsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, sesment work and correspond with the mining land holder. Questions about this them Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

| Instructions: - For work performed on Crown Lands before recording a claim, use form 0240 Please type or print in ink. | | | | | | | | |
|---|--|---|-----------------------------------|----------------------------|--|--|--|--|
| 1. Recorded holder(s) (Attach a | a list if necessary) | 2 | . 19 | 0 0 6 | | | | |
| Name FALCON BRIDG | E LIMITES | D | Client Number 1306 | 79 | | | | |
| Address 571 MONETA | | | Telephone Numbe | | | | | |
| TIMHINS, ONTA | | | Fax Number | 264-6080 | | | | |
| Name | | | Client Number | | | | | |
| Address | | | Telephone Numbe | r | | | | |
| | | | Fax Number | | | | | |
| 2. Type of work performed: Che | | | | | | | | |
| Geotechnical: prospecting, s assays and work under section | urveys, on 18 (regs) | Physical: drilling stripp trenching and associa | | Rehabilitation | | | | |
| Work Type | | | | Office Use | | | | |
| LINECUTTING MAGNETIC SURVI | ξΥ | | Commodity | | | | | |
| HLEM SURVEY | · | / | Total \$ Value of Work Claimed | 13336 | | | | |
| Dates Work From Performed Day 01 Month 07 | To Day 20 | Month// Year 98 | NTS Reference | | | | | |
| Global Positioning System Data (if available) | Township/Area MAC | DIARMO TWP. | Mining Division | Pransie | | | | |
| | M or G-Plan Number | 3242 | Resident Geolog District | ist // mins | | | | |
| - complete a - provide a m | per notice to surface rig nd attach a Statement o | phts holders before starti of Costs, form 0212; s mining lands that are lir | ng work; | ng work; | | | | |
| 3. Person or companies who p | repared the technical | report (Attach a list if n | ecessary) | | | | | |
| Name DOUGLAS LON | DRY | | Telephone Number | 23-5479 | | | | |
| Address 547 LOACH'S RO | | ONTARIO PSE 283 | Fax Number | ~ | | | | |
| Name | , | | Telephone Numbe | f | | | | |
| Address | [| RECEIVED | Tax Number | | | | | |
| Name | | | Telephone Numbe | , | | | | |
| Address | engan and an annual and an annual and an annual and an annual and an | | Fax Number | | | | | |
| 4. Certification by Recorded Holder or Agent I, | | | | | | | | |
| Signature of Recorded Helder or Agen | | | | Date 10-1-20 1998 | | | | |
| Agent's Address | | Telephone Number | er - 1188 | Fax Nymber (705) 7611-6080 | | | | |
| 0241 (03/97) | orner - | 10,70,77 2.67 | 1100 | 1 20 1 80 00 | | | | |

Doomed Feb. 18/1999

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. U) 986 Bank. Value of work Number of Claim Mining Claim Number. Or if Value of work Value of work performed on this work was done on other eligible Units. For other applied to this assigned to other to be distributed mining land, list mining land show in this claim or other claim mining claims. at a future date column the location number hectares. mining land. indicated on the claim map. \$2 825 eg TB 7827 16 ha \$26 825 N/A \$24 000 1234567 12 O \$24,000 o eg 0 1234568 2 \$ 8 892 \$ 4 000 \$4.892 n eg 1 995399 260. 1200. 2 995400 932. 2000. 800. 268 3 995401 400. 800. 4 995402 800. 1000. 200, 5 995403 1200. 800. 400. 6 134. 995404 934. 800. 7 267. 995447 800. 8 995448 134. 934. 800. 9 995449 330. 800, 10 4 2133 533. 1211721 1600, 11 3 1212996 1200. 470. 3870 2200, 12 13 14 15 13336. Column Totals 10400 2335. 2936. 16. Callins , 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 Var 20, 1998 Instruction 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 backwards; or 3. Credits are to be cut back equally over all claims listed in this declaration; or 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe): NOV 30 773.2-1 Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by ontion number 2 if necessary GEOSCIENCE ASSESSMENT followed by option number 2 if necessary. For Office Use Only Received Stamp Deemed Approved Date **Date Notification Sent Total Value of Credit Approved** Date Approved Approved for Recording by Mining Recorder (Signature)

0241 (03/97)



Statement of Costs for Assessment Credit

| Transaction | Number (office use) |
|-------------|---------------------|
| 1 Yakla | .00855 |

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, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

| Work Type | Units of work Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc. | | Cost Per Unit of work | Total Cost |
|--|---|-------------------|--|---|
| Linecutting | 241. 38km | | 785.00/K | m \$6 907 |
| Geothy Sical Survey | 18.6km of HLEM | | 165.00 /km | 93,069 |
| (MR4 . HLEM 444, 1777 4) | V | \$ | 100 00/Ku | 72360 |
| Gentherial Report | 1 feest | \$15 | Do / Robert | \$ 500 |
| Geological Concession | 7 for a launt | # 2 | so loan | 1 800. |
| + Fold Work. | + Sout soid | | 70 100 19 | |
| | | | | |
| Associated Costs (e.g. supplie | s, mobilization and demobilization). | | | |
| | | | | |
| | | | | |
| A STATE OF THE STA | | | | |
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| | | 0 0 | C | |
| Transpo | rtation Costs 2 • 1 9 | | ************************************* | |
| | | | | |
| | | _ | | |
| Food and Lodging Costs | | | | |
| 1 out and Loughing Costs | | | | |
| | | | | |
| | [DEOL WED] | | | 112 22 6 |
| | RECLIVED TO | otal Value of | Assessment World | k \$ 13,336 |
| | NOV 2 0 1000 | | | |
| Calculations of Filing Discounts: | GEOSCIENCE ASSESSMENT | | | |
| Work filed within two years of performs. If work is filed after two years and u | rmance is <u>claimed aຍໆປີອີ% of the ab</u> ove | | | |
| | ituation applies to your claims, use the | | | Otal |
| TOTAL VALUE OF ASSESSMENT WO | DRK x (| 0.50 = | Total \$ value o | f worked claimed. |
| Note: | | | | |
| - Work older than 5 years is not eligib | | | | |
| A recorded holder may be required verification and/or correction/clarification | to verify expenditures claimed in this st on. If verification and/or correction/clarif | | | of a request for hister may reject all |
| or part of the assessment work submit | ted. | | | |
| Certification verifying costs: | | | | |
| 1 11 | ale benefit and the amount | 4= = b = | | |
| (please print full name) | , do hereby certify, that the amoun | | | |
| be determined and the costs were incu | | | | |
| Declaration of Work form as | or 1:eld Cecles;157 I holder, agent, or state company position with signing a | l am uthority) | authorized to make | this certification. |
| | Fee: 1 | | | |
| | Signature | (_1 | | Ver 19 1973 |
| 0212 (03/97) | Tua | | \rightarrow | 00 1,1113 |
| | | | | |

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

January 4, 1999

FALCONBRIDGE LIMITED SUITE 1200, 95 WELLINGTON STREET WEST TORONTO, ONTARIO M5J-2V4 Geoscience Assessment Office 933 Ramsey Lake Road

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

Telephone: (888) 415-9846 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19006

Status

Subject: Transaction Number(s):

W9860.00855 Deemed 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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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 Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely.

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.19006

Date Correspondence Sent: January 04, 1999

Assessor:Lucille Jerome

Transaction Number First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9860.00855

995399

MACDIARMID

Deemed Approval

December 30, 1998

Section:

14 Geophysical MAG

14 Geophysical EM

Correspondence to:

Resident Geologist

South Porcupine, ON

Assessment Files Library

Sudbury, ON

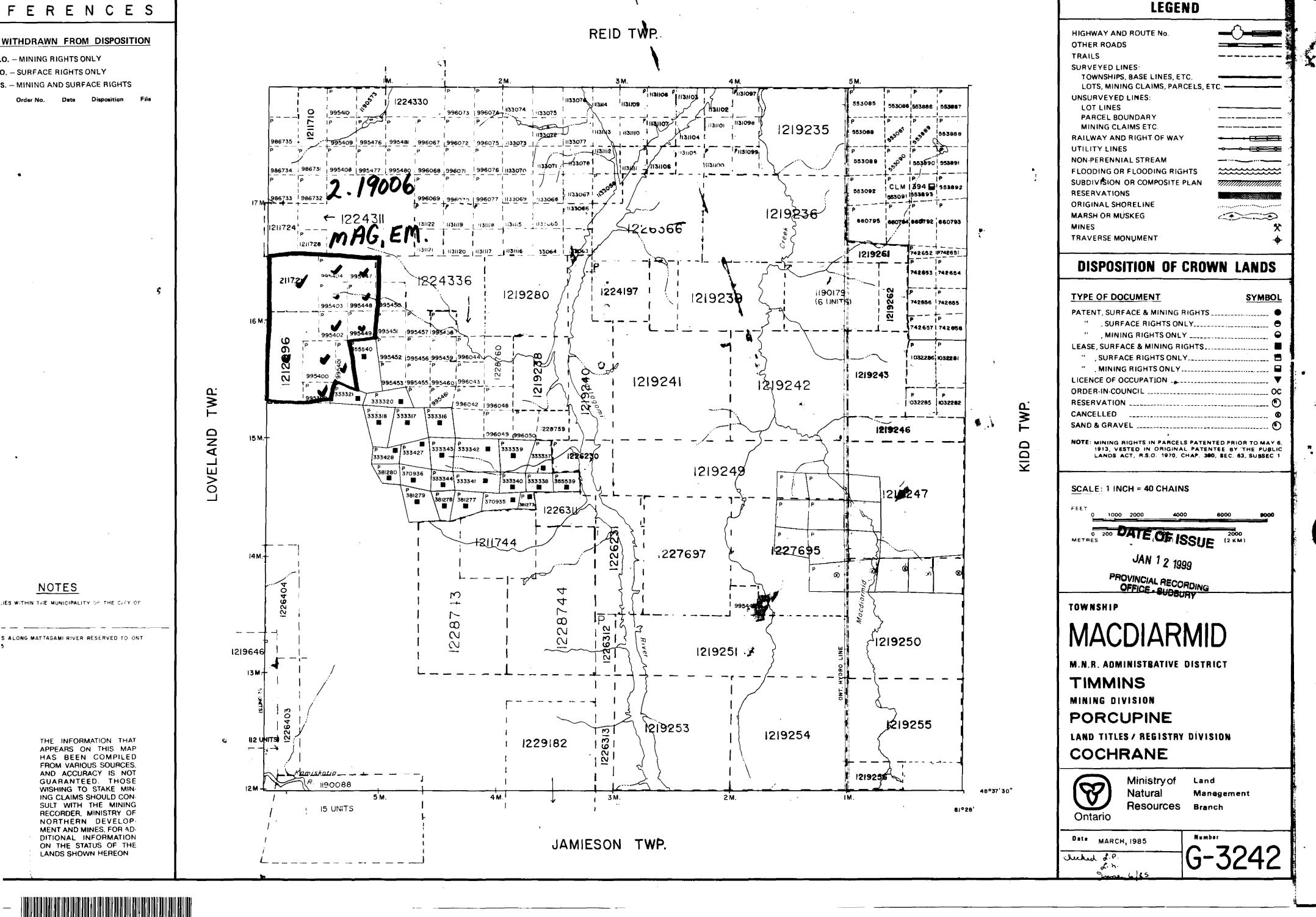
Recorded Holder(s) and/or Agent(s):

Greg Collins

TIMMINS, ON, CAN

FALCONBRIDGE LIMITED

TORONTO, ONTARIO



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