

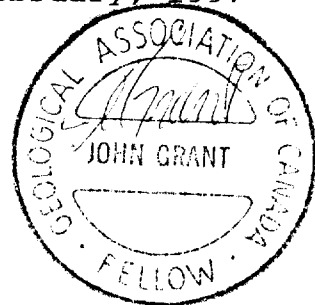
2.17356

GEOPHYSICAL REPORT
FOR
COPPER DOME MINES LTD.
ON THE
POIRIER OPTION
BRISTOL TOWNSHIP
PORCUPINE MINING DIVISION
NORTHEASTERN, ONTARIO



Prepared by: J.C. Grant, CET, FGAC
February, 1997

Handwritten:
C.D.M. #
273943



42A05NE0104 2.17356 BRISTOL

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| APPENDIX: | A. SCINTREX, ENVI MAG AND OMNI IV SYSTEM |
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| INSERTS: | 8 1/2 X 11 COLOUR MAGNETIC MAP |
| POCKET MAPS: | CONTOURED TOTAL FIELD MAGNETIC MAP PROFILED VLF-EM MAP |



42A05NE0104 2.17356 BRISTOL

010C

SUMMARY:

The area covered by the Poirier claims under option to Copper Dome Mines Ltd. lie in a part of the Timmins camp which is quite active now due to the recent discovery of a significant gold bearing horizon by Band-Ore Resources on their Thornloe Property to the south. Also, an ongoing drill program by Holmer Gold Mines Inc. on their property, (Holmer Gold property) to the immediate south of the Poirier Option and in Bristol Township, is expanding the gold bearing horizon which is known to host 720,000 tons at 0.11 opt gold. The recent Holmer drilling suggest that there is a least three gold bearing horizons on their property which appear to be open to the east and west.

The history of the Poirier claims date back to 1921 when the first work consisted of a number of pits and trenches on current claims P-752197, 752198 and 752199. That work succeeded in the initial discovery of two showings, (trenches #4 and #6 as they became to be called in the Utah 1985 program), and the best assay samples were as high as 0.74 opt gold.

Diamond drilling from 1926 to 1985 by various companies was generally restricted to the area of the trenches and the best assay was 0.70 opt over 5 feet from one hole #3 done by Cortez Exploration Limited in 1940.

The claims have also be subjected to a number of geophysical surveys which generally were inconclusive and or did not, at the time, return encouraging results. Again, the area in and on strike with the showings was the main area of concentration.

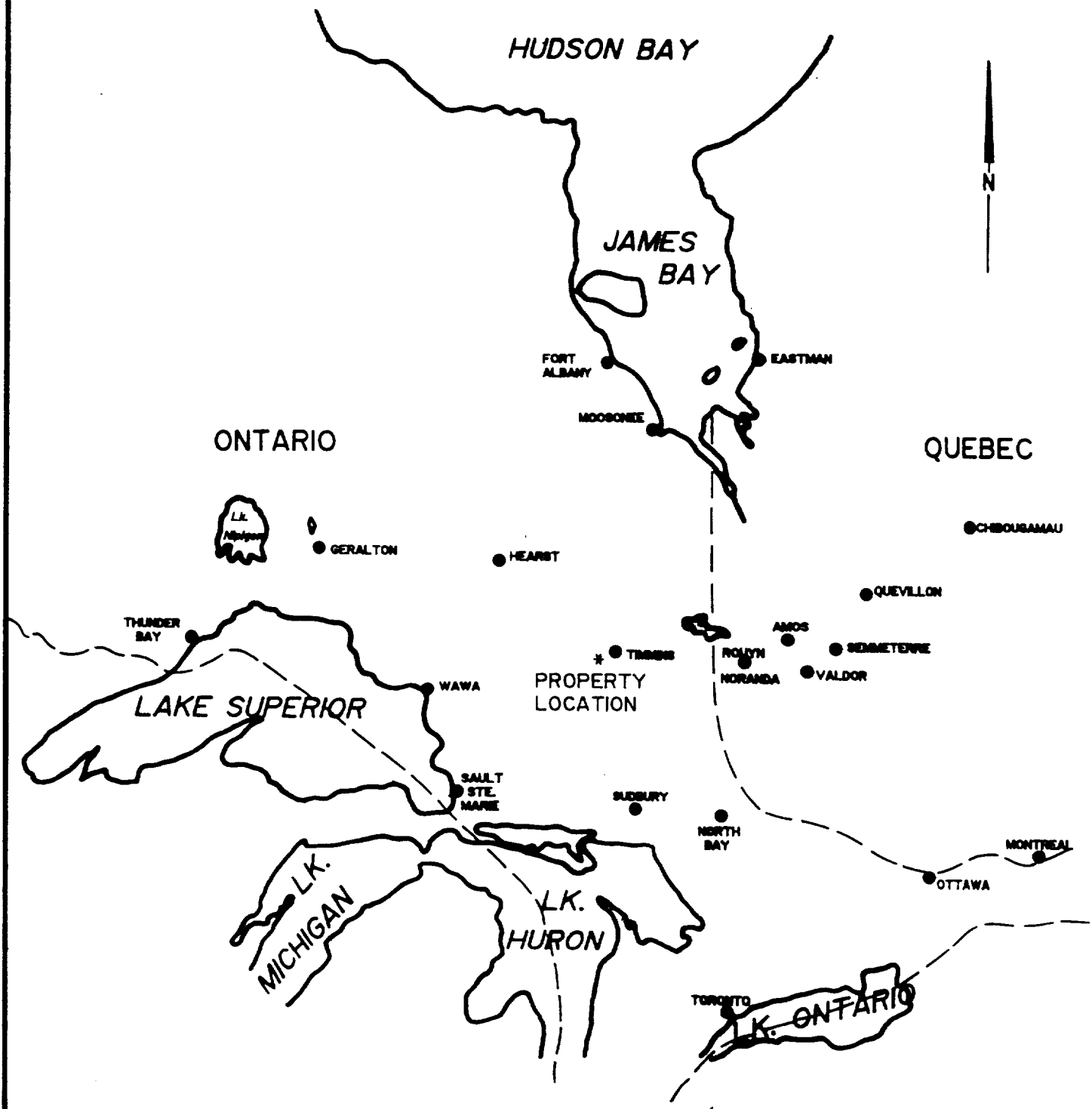
Further activity in the area is the Band-Ore property optioned to Teck Exploration Limited/Placer Dome which is located to the immediate east of the Poirier Option. Teck has been actively surveying and drilling this area over the past two years.


Battle Mountain and BHP Minerals both hold property to the immediate west of the Poirier Option property as well.

INTRODUCTION:

The services of Exsics Exploration Limited were contracted by Mr. Kevin Filo on behalf of Copper Dome Mines Ltd, (CDM). to complete a linecutting and ground geophysical program across a portion of the claim group which had been optioned from R. Poirier in the Township of Bristol.

The purpose of this program was to locate and outline geological structures which would be considered favourable horizons for gold mineralization. The area of the past trenching and drilling will be of particular interest as it is known to contain interesting gold assays. The geophysical signature over this area will aid in interpreting similar signatures over the remaining area of the claim group.



| | | |
|---|--|----------------------|
|  | EXSICS EXPLORATION LTD. P.O. Box 1000, P40-7X1 Suite 10, Mulligan Bldg, Timmins Ont. Telephone: 705-267-4151 | |
| | CLIENT: COPPER DOME MINES LTD. | |
| PROPERTY: POIRIER PROPERTY | | |
| TITLE: BRISTOL TWP. LOCATION MAP | | |
| Fig. 1 | | |
| Date: Feb. 1997 | Scale: 1"=12.5miles | MNDM Plan#: |
| Drawn: P. Gauthier | Interp: J.C. Grant | Job No. E-238 |

PROPERTY LOCATION AND ACCESS:

The CDM property consists of a single block of 15 unpatented mining claims located in the west central section of Bristol Township of the Porcupine Mining Division, Timmins, Ontario. Figure 1. The entire property is situated on the north side of Highway 101 west approximately 17 kilometers west of the City of Timmins. Thunder Creek just touches the west side of the property and Bristol Lake is approximately 700 meters to the east of the southeast corner of the block. Figure 2.

Access to the property during the survey period was by skidoo along any number of ingress roads which all travel north off of Highway 101 west. Most of these roads are overgrown with scrub brush and tagalders but can be followed quite easily. Figure 2.

CLAIM GROUP:

The claim numbers which make up the Option property of CDM are as follows.

P-752195 to P-752205 inclusive.....11 claims
P-779512,P-779513,P-779515,P-871664... 4 claims

Total number of claims:.....15

Refer to figure 3, copied from MNDM Plan Map G-3998, Bristol Township, scale 1:20,000.

The status of these claims was not known to the Author at the time of this writing.

REGIONAL AND PROPERTY GEOLOGY:

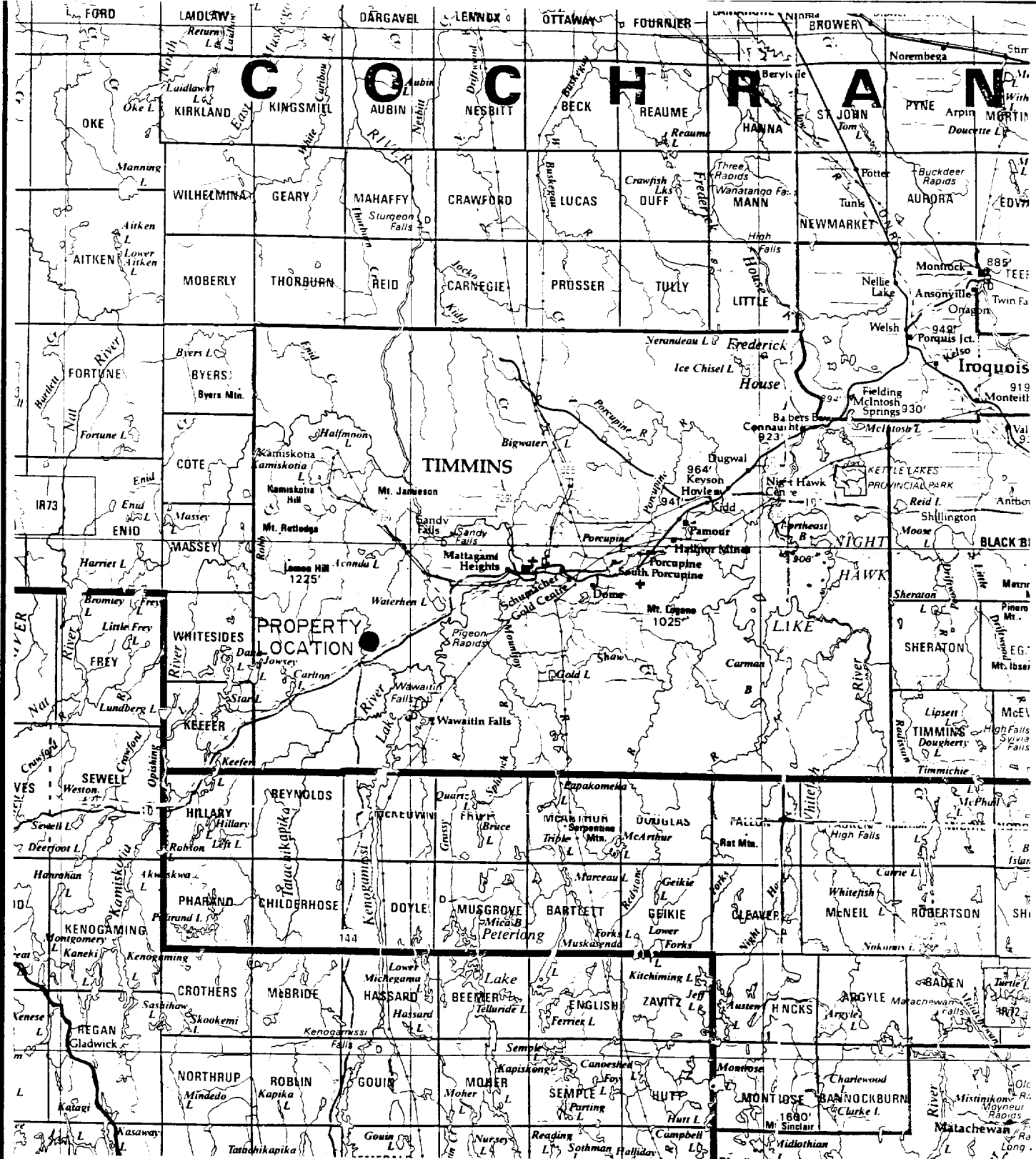
The regional geology of the Timmins area and the geology of the property has been well described in a report by J.G. Burns and Associates,(Evaluation Report of claims located in Bristol Township, porcupine Mining Division for Copper Dome Mines Ltd., July 9, 1996).

PERSONNEL:

The field crew directly responsible for the collection of all data were as follows:

John DerWeduwen..... South Porcupine, Ontario
Eric Jaakkola..... Timmins, Ontario

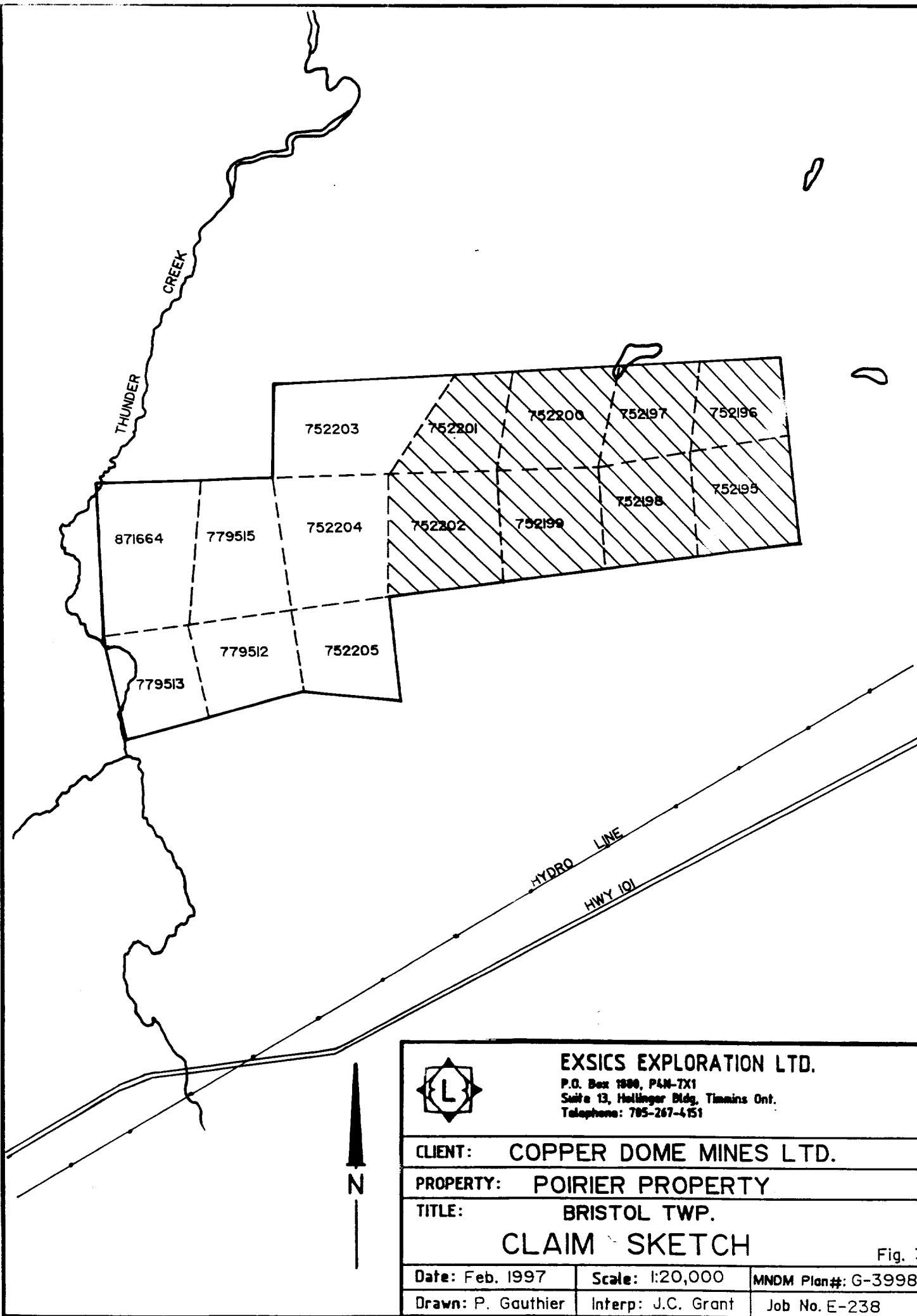
The program was completed under the direct supervision of J.C.Grant and all of the computer compilation and plotting was completed by P. Gauthier of Exsics Explortation.



EXSICS EXPLORATION LTD.
 P.O. Box 1000, P4M-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4151

| | | |
|--------------------------------|--------------------|------------------|
| CLIENT: COPPER DOME MINES LTD. | | |
| PROPERTY: POIRIER PROPERTY | | |
| TITLE: BRISTOL TWP. | | |
| PROPERTY LOCATION | | |
| Date: Feb. 1997 | Scale: 1:600,000 | MNDM Plan#: 22-6 |
| Drawn: | Interp: J.C. Grant | Job No. E-238 |

Fig. 2



EXSICS EXPLORATION LTD.

P.O. Box 1800, P4M-7X1
 Suite 13, Hallinger Bldg, Timmins Ont.
 Telephone: 705-267-4151

CLIENT: COPPER DOME MINES LTD.

PROPERTY: POIRIER PROPERTY

TITLE: BRISTOL TWP.

CLAIM SKETCH

Fig. 3

Date: Feb. 1997

Scale: 1:20,000

MNDM Plan#: G-3998

Drawn: P. Gauthier

Interp: J.C. Grant

Job No. E-238

GROUND PROGRAM(1997):

The 1997 ground program was completed in two phases. The first phase of the program was the establishment of a detailed metric grid across the eastern section of the CDM property. This was done by first locating the existing Tieline 107N done by Utah. This Tieline was re-established as Baseline 0+00 for the 1997 program and it was cut and chained at 20 meter intervals from 0+00 to 1400MW.

A series of cross lines were then turned off of this baseline at 100 meter intervals and cut to the north and south boundaries of the claim group. All of the cross lines were chained with 20 meter pickets which were metal tagged. In all, a total of 10 kilometers of grid lines were established across the claims.

The second phase of the ground program was the completion of a total field magnetic survey done in conjunction with a VLF-EM survey. The total field magnetic survey was completed over the entire grid whereas the VLF-EM survey was completed on the cross lines only. Both of the surveys were completed using the BRGM OMNI PLUS system and the BRGM OMNI IV system. Specifications for the systems can be found as Appendix A of this report. The following parameters were kept constant throughout the surveys.

MAGNETIC SURVEY:

| | |
|--------------------------|------------------------------|
| Line spacing..... | 100 meters |
| Station spacing..... | 20 meters |
| Reading interval..... | 10 meters |
| Diurnal correction..... | Base station recorder |
| Reading interval..... | 30 seconds |
| Reference field..... | 58,500 gammas |
| Datum subtract..... | 57,000 gammas |
| Unit accuracy..... | +/- 0.1 gamma |
| Parameters measured..... | Earth's total magnetic field |

The collected data was then corrected, levelled and plotted onto a base map at a scale of 1:2500. The data was then contoured at 10 gamma intervals where possible. A copy of this contoured base map is included in the back pocket of this report.

An 8 1/2 X 11 inch colour contour of the magnetic results is also included in this report to better enhance the magnetic signature of the property.

VLF-EM SURVEY:

| | |
|-----------------------------|--|
| Line spacing..... | 100 meters |
| Station spacing..... | 20 meters |
| Reading interval..... | 20 meters |
| Transmitting station..... | Cutler, Maine |
| Transmitting frequency..... | 24.0khz |
| Azimuth to grid..... | 115 degrees |
| Unit accuracy..... | 0.5 percent |
| Parameters measured..... | inphase and quadrature components, tilt, field strength |
| Parameter plotted..... | inphase component |

The collected data was then plotted directly onto a base map at a scale of 1:2500 and then profiled at 1cm to 40 % . All conductor axis were then placed onto the map and interpreted where possible. A copy of this VLF profile map is included in the back pocket of this report.

SURVEY RESULTS:

The VLF survey was successful in locating and outlining a number of parallel conductive zones across the grid. The magnetic survey was also successful in outlining the geological structures on the grid as well as several cross structures. Each of the conductive zones have been labelled and will be discussed seperately and in detail below.

Zone A:

This zone can be traced from line 1400MW to line 700MW and continues off of the grid to the southeast. This feature appears to cross cut the general strike of the geology suggesting it may, in part, relate to minor faulting.

Zone B:

This feature parallels Zone A and strikes across lines 1400MW to 1100MW and also continues off of the grid to the southeast. This zone appears to follow the area previously mapped as an area of high electric conductivity relating to graphitic slate and pyrite rich material. There is a slight increase in the magnetic signature along the strike of this zone. Zone B appears to have been cross cut by a diabase dike on its western extension.

Zone C and D:

These VLF zones can be traced across the center of the property from lines 1100MW to 100MW and from 1400MW to 100MW respectfully. The zones are both well defined targets suggesting they may represent the north and south boundaries of rhyolite tuffs, agglomerate unit which was mapped striking across the property in the same general area and direction. There is an associated spotty moderate magnetic low signature which can be traced along either zone which may relate to the contacts.

Zone E:

This unit can be traced across lines 1200MW to 800MW where it appears to truncate next to a strong north-south striking feature. This north-south unit represents a diabase dike. This dike can be traced along line 800MW to the south and towards the southern tip of line 700MW and it continues off of the grid to the south.

Zone E appears to relate to a moderate magnetic low unit which also truncates next to the dike.

Zone F:

Zone F can be traced striking east-west across lines 300MW to 0+00 and appears to continue off of the grid to the east. It probably relates to the northern contact of the graphitic slates and pyrite rich zone previously mapped. The magnetics show a moderate magnetic low signature with the strike of the zone. There appears to be a weak north paralleling zone striking across lines 300MW to 100MW which may represent a minor stringer or shear zone in the same geological unit. This zone has a moderate magnetic high associated with the strike of the zone.

Zone G:

This zone can be traced across lines 400MW to 600MW and possibly as far as 800MW. It appears to emanate from Zone A but is more compatible with the geological strike of the property. The zone, in fact, may relate to the graphitic slate, pyrite rich unit striking across the southern section of the grid. The magnetics show spotty highs and lows along the strike of the zone as well as slumping in the magnetic signature of the dikes.

There are several other, shorter, spotty VLF zones striking across the northern and northeastern section of the grid. These zones correlate to the strike of the underlying units and appear to either emanate from the north-south dikes or terminate next to them.

The magnetic survey outlined three predominant north-south striking features which relate to mapped diabase dikes. The zones can be followed easily in the contours. A fourth, weaker dike may also be evident in the southwest corner of the property but may be deeper. There may also be two minor fault zones which generally parallel the strike of the dikes. These zones can be followed from line 1400MW, north end to line 1000MW, south end, and from line 1500MW, baseline to line 1100MW, south end. Both of the features are represented by weak slumping in the magnetic contours.

CONCLUSIONS AND RECOMMENDATIONS

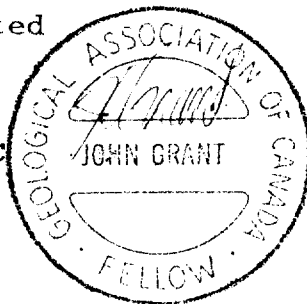
The surveys were successful in locating and outlining the geological structures of the grid. The rhyolitic tuff, agglomerate unit is well defined and can be followed across the entire grid as conductors C and D. The graphitic slate and pyrite unit can also be followed across the entire south section of the grid by zones B and possibly G as well as the weak magnetic low signature.

Zones B, G and F should be followed up further by an IP survey to better define them and their strike lengths. In fact, the entire property should be covered by an IP survey to better define the VLF units and any and all magnetic low units.

The remainder of the claims to the west should also be covered by a continuation of the existing grid and by the same geophysical surveys.

Respectfully submitted

J.C. Grant, CET, FGAC
February, 1997.



CERTIFICATE

I, John C. Grant, hereby certify that:

1) I am a graduate geophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury, Campus. I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited (5 years), North Bay office, and as Exploration Manager and Geophysicist for Exsics Exploration Limited from 1980 to present.

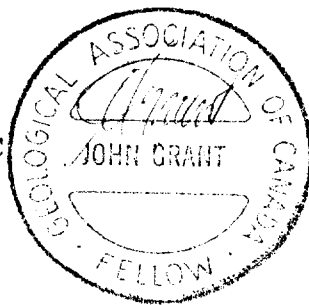
2) I am a Member of the Certified Engineering Technologist Association since 1984.

3) I am a member of the Geological Association of Canada.

4) I have been actively engaged in my profession for the last twenty (20) years, including all aspects of exploration studies, surveys and interpretations.

5) I have no specific or special interest in the described property. I have been retained as a Consulting Geophysicist by the claim holders.

John Charles Grant, CET, FGAC



APPENDIX A

OMNI IV "Tie-Line" Magnetometer

EDA



- Four Magnetometers in One
- Self Correcting for Diurnal Variations
- Reduced Instrumentation Requirements
- 25% Weight Reduction
- User Friendly Keypad Operation
- Universal Computer Interface
- Comprehensive Software Packages



Specifications

| | |
|---|---|
| Dynamic Range | 18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas. |
| Tuning Method | Tuning value is calculated accurately utilizing a specially developed tuning algorithm |
| Automatic Fine Tuning | $\pm 15\%$ relative to ambient field strength of last stored value |
| Display Resolution | 0.1 gamma |
| Processing Sensitivity | ± 0.02 gamma |
| Statistical Error Resolution | 0.01 gamma |
| Absolute Accuracy | ± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range |
| Standard Memory Capacity | |
| Total Field or Gradient | 1,200 data blocks or sets of readings |
| Tie-Line Points | 100 data blocks or sets of readings |
| Base Station | 5,000 data blocks or sets of readings |
| Display | Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to $+55^{\circ}\text{C}$. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors. |
| 232 Serial I/O Interface | 2400 baud, 8 data bits, 2 stop bits, no parity |
| Gradient Tolerance | 6,000 gammas per meter (field proven) |
| Test Mode | A. Diagnostic testing (data and programmable memory) B. Self Test (hardware) |
| Sensor | Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy. |
| Gradient Sensors | 0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional. |
| Sensor Cable | Remains flexible in temperature range specified, includes strain-relief connector |
| Timing Time (Base Station Mode) | Programmable from 5 seconds up to 60 minutes in 1 second increments |
| Operating Environmental Range | -40°C to $+55^{\circ}\text{C}$; 0-100% relative humidity; weatherproof |
| Power Supply | Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation. |
| Battery Cartridge/Belt Life | 2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings |
| Weights and Dimensions | |
| Instrument Console Only | 2.8 kg, 238 x 150 x 250mm |
| NiCad or Alkaline Battery Cartridge | 1.2 kg, 235 x 105 x 90mm |
| NiCad or Alkaline Battery Belt | 1.2 kg, 540 x 100 x 40mm |
| Lead-Acid Battery Cartridge | 1.8 kg, 235 x 105 x 90mm |
| Lead-Acid Battery Belt | 1.8 kg, 540 x 100 x 40mm |
| Sensor | 1.2 kg, 56mm diameter x 200mm |
| Gradient Sensor (0.5m separation - standard) | 2.1 kg, 56mm diameter x 790mm |
| Gradient Sensor (1.0m separation - optional) | 2.2 kg, 56mm diameter x 1300mm |
| Standard System Complement | Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual. |
| Base Station Option | Standard system plus 30 meter cable |
| Gradiometer Option | Standard system plus 0.5 meter sensor |

EDA Instruments Inc.
4 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR
Cable: Instruments Toronto
(416) 425 7800

In U.S.A.
EDA Instruments Inc.
5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

Printed in Canada

Personal information collected under the Mining Act, the information is a question about this collection. 33 Ramsey Lake Road, Sudb



900

of the Mining Act. Under section 8 of the Act, the information should correspond with the mining land holder. Department of Natural Resources and Mines, 6th Floor.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

2.17356

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

| | |
|-------------------------------------|-----------------------------------|
| Name: <u>Rolland J. POIRIER</u> | Client Number: <u>183346</u> |
| Address: <u>561 BIRCH ST. NORTH</u> | Telephone Number: <u>267-2576</u> |
| <u>TIMMINS, ONT.; P4N 6E9</u> | Fax Number: |
| Name: | Client Number: |
| Address: | Telephone Number: |
| | Fax Number: |

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

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

| | |
|---|--|
| Work Type: <u>LINECUTTING, MAGNETICS, SELF-EM. PROSPECTING, COLLECT. REPORTS.</u> | Office Use: |
| Dates Work Performed: From <u>20</u> <u>02</u> <u>97</u> To <u>28</u> <u>02</u> <u>97</u> | Commodity: |
| Global Positioning System Data (if available): | Total \$ Value of Work Claimed: <u>\$9386.</u> |
| Township/Area: <u>BRISTOL TWP.</u> | NTS Reference: |
| M or G-Plan Number: <u>G-3998.</u> | Mining Division: <u>Porcupine</u> |
| | Resident Geologist District: <u>Timmings</u> |

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

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

| | |
|---|-----------------------------------|
| Name: <u>EXSICS EXP. LTD</u> | Telephone Number: <u>267-4151</u> |
| Address: <u>Box 1880, Timmings, Ont</u> | Fax Number: <u>264-5790</u> |
| Name: | Telephone Number: |
| Address: | Fax Number: |
| Name: | Telephone Number: |
| Address: | Fax Number: |

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JUN 05 1997

MINING LANDS BRANCH

4. Certification by Recorded Holder or Agent

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

| | |
|---|-----------------------------------|
| Signature of Recorded Holder or Agent: <u>[Signature]</u> | Date: <u>FEB 28/97</u> |
| Agent's Address: <u>Box 1880, Timmings, Ont</u> | Telephone Number: <u>267-4151</u> |
| | Fax Number: <u>264-5790</u> |

DEEMED June 1/97

company this form.

| Claim Number. Or if done on other eligible land, show in this the location number on the claim map. | Number of Claim Units. For other mining land, list hectares. | Value of work performed on this claim or other mining land. | Value of work applied to this claim. | Value of work assigned to other mining claims. | Bank Value of work to be distributed at a future date. |
|---|--|---|--------------------------------------|--|--|
| TB 7827 | 16 ha | \$26,825 | N/A | \$24,000 | \$2,825 |
| 1234567 | 12 | 0 | \$24,000 | 0 | 0 |
| 1234568 | 2 | \$ 8,892 | \$ 4,000 | 0 | \$4,892 |
| 752195 | + 16ha | \$ 1160 | 800.00 | 800.00 | \$ 360.00 |
| 752196 | + 16ha | \$ 1160 | 0 | 800.00 | \$ 360.00 |
| 752197 | + 14ha | \$ 1160 | 0 | 800.00 | \$ 360.00 |
| 752198 | + 16ha | \$ 1160 | 0 | 800.00 | \$ 360.00 |
| 752199 | + 16ha | \$ 1160 | 0 | 0 | \$ 1160.00 |
| 752200 | + 16ha | \$ 1160 | 0 | 0 | \$ 1160.00 |
| 752201 | + 16ha | \$ 1160 | 0 | 0 | \$ 1160.00 |
| 752202 | + 16ha | \$ 1160 | 800.00 | 0 | \$ 360.00 |
| 752203 | + 14ha | \$ 0 | 800.00 | 0 | |
| 752204 | + 16ha | \$ 0 | 800.00 | 0 | |
| 752205 | + 14ha | \$ 0 | 800.00 | 0 | |
| 779512 | + 16ha | \$ 0 | 0 | 0 | |
| 779513 | + 16ha | \$ 0 | 0 | 0 | |
| 779515 | + 16ha | \$ 0 | 0 | 0 | |
| 871664 | 4 12ha | \$ 0 | 0 | 0 | |
| Column Totals | | \$9286.00 | \$ 4,000.00 | 2400.00 | 5886.00 |

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

Signature of Recorded Holder or Agent Authorized in Writing: J. Grant Date: FEB 28/97

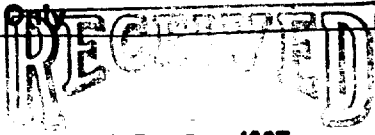
Instructions for cutting back credits that are not approved.

One 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;
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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JUN 05 1997
MINING LANDS BRANCH

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

Office Use Only

 MAR 3 1997
 @ 12:20 (C) dc.
 PORCUPINE MINING DIVISION

Deemed Approved Date: June 11 1997
 Date Approved: _____
 Date Notification Sent: _____
 Total Value of Credit Approved: _____
 Approved for Recording by Mining Recorder (Signature): _____

W9760.00101

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 3 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

| Work Type | Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small> | Cost Per Unit of work | Total Cost |
|---------------------|---|-----------------------|------------|
| LINE CUTTING (75m) | 15.13 Km | \$265.00/Km | \$4009.45 |
| MAP & VLF (12.5m) | 15.13 Km | \$150.00/Km | \$2269.50 |
| Plotting & Computer | 31 Km Plotting | 20 HRS @ \$45/HK | \$500.00 |
| Colour Maps | 6 COPIES | \$55.00/COPY | \$330.00 |
| REPORTS (5 COPIES) | 5 COPIES | \$1270.00 | \$1270.00 |
| | | SUBTOTAL | \$8678.95 |
| | 7% GST | | 607.52 |

Associated Costs (e.g. supplies, mobilization and demobilization).

Transportation Costs

Food and Lodging Costs

Total Value of Assessment Work

\$9286.00/h

Calculations of Filing Discounts:

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

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

Note: Work older than 5 years is not eligible for credit.

A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

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JUN 05 1997
MINING LANDS BRANCH

Certification verifying costs:

John C. Grant (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on

the accompanying Declaration of Work form as Agent I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.

RECEIVED
MAR 3 1997
@12:20 (cl)
PORCUPINE MINING DIVISION

Signature John C. Grant Date Mar 3 1997



June 10, 1997

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

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

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

Dear Sir or Madam:

Submission Number: 2.17356

Status

Subject: Transaction Number(s): W9760.00101 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.

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

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

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

Yours sincerely,

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

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

Work Report Assessment Results

Submission Number: 2.17356

Date Correspondence Sent: June 10, 1997

Assessor: Steve Beneteau

| Transaction Number | First Claim Number | Township(s) / Area(s) | Status | Approval Date |
|---------------------------|---------------------------|------------------------------|-----------------|----------------------|
| W9760.00101 | 752195 | BRISTOL | Deemed Approval | June 01, 1997 |

Section:

14 Geophysical MAG

14 Geophysical VLF

Correspondence to:

Mining Recorder
South Porcupine, ON

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

John C. Grant
TIMMINS, ONTARIO, CANADA

ROLLAND JOSEPH POIRIER
TIMMINS, Ontario

MAP SYMBOLS

| | |
|---|--|
| Aerial Subways | Pipeline (above ground) |
| Boundary | Railroad Single Track |
| International | Double Track |
| Provincial | Abandoned |
| Electric, Telephone | Turntable |
| Indian Reserve | Road |
| Approximate | Highway, County |
| Lot, Cancellation | Township |
| Approximate | Access (road of doubtful maintenance or abandoned driveway) |
| Park Boundary | Trail, Back Road (portage, alley) |
| Bridge | Rapids |
| Road, Railroad | Double line river with multiple rapids |
| Building | Double line river with multiple rapids |
| Chimney | Reservoir |
| Cliff, Pit, Pile | River, Stream, Canal |
| Contours | Approximate (seasonal) |
| Interpolated | Direction of flow |
| Approximate | Lock |
| Depression | Spot Elevation (true elevations) 300.0 |
| Control Points | Transit Station Line |
| Horizontal 0 0774051 | Post |
| Vertical 0 300.02 | Pylon |
| Culvert | Tunnel |
| Falls | Utility Poles |
| Double line river | Wharf, Dock, Pier |
| Fence, Hedge, Wall | Wooded Area |
| Feature Outline (Construction features, etc.) | |
| Flooded Land | |
| Lock | |
| Marsh or Swamp | |
| Mast | |
| Mine Head Frame | |
| Outcrop | |

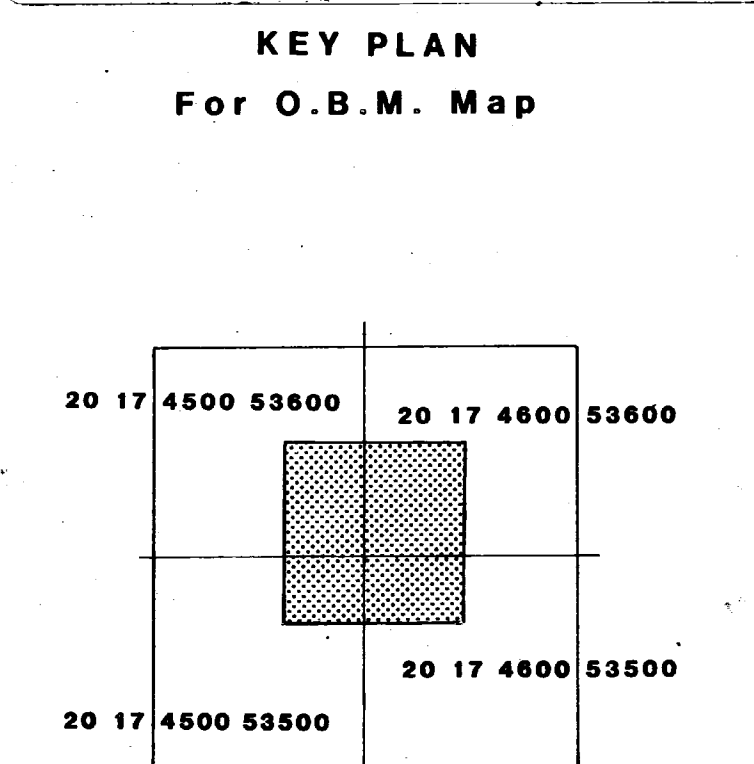
AREAS WITHDRAWN FROM DISPOSITION

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

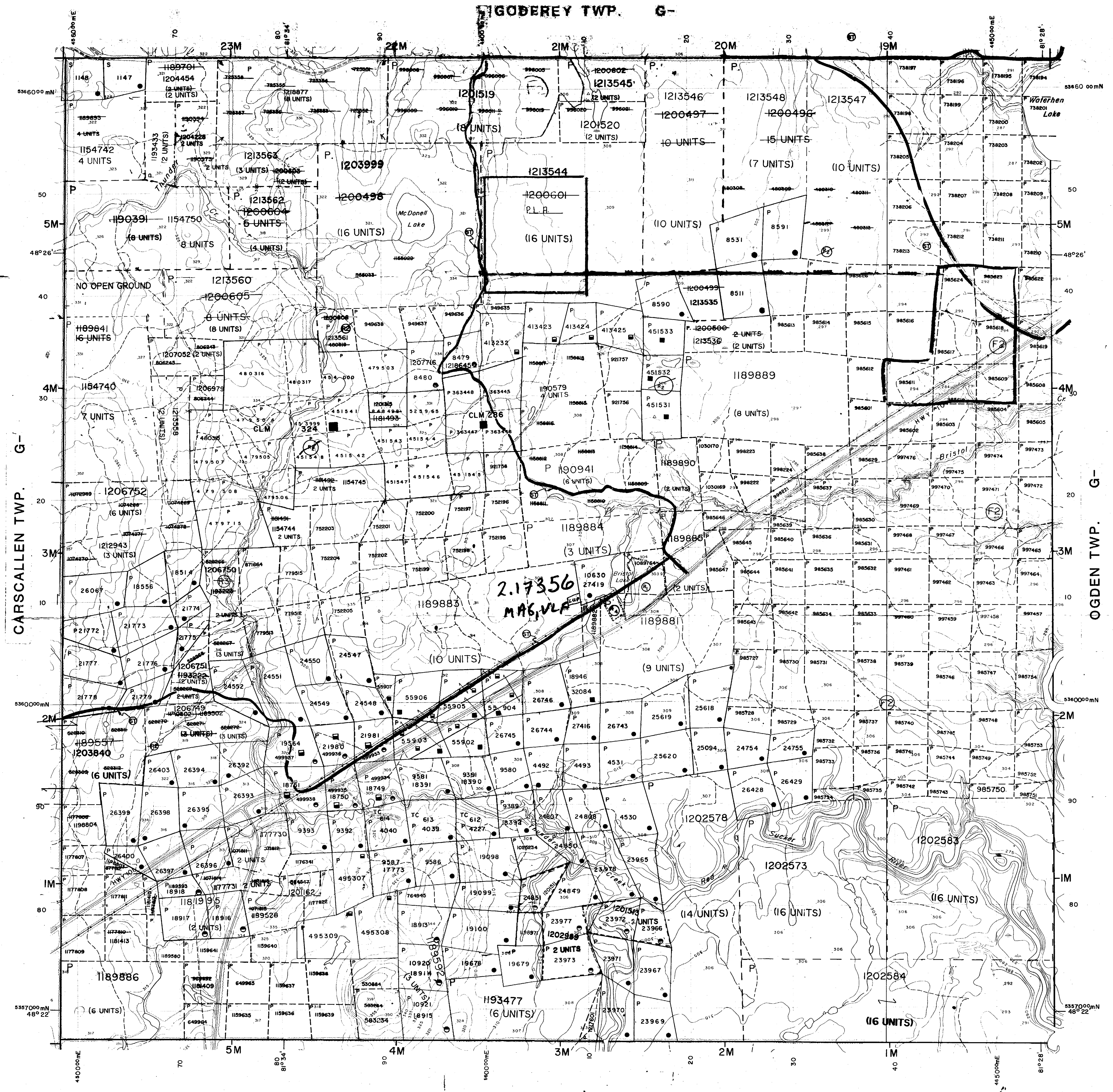
| Description | Order No. | Date | Disposition | File |
|-------------|-----------|------|-------------|--------|
| | | | S.R.O. | 164584 |

- MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT, R.S.O. 1990 ORDER NO. W-88/86 WR DATED 06-OCT-90.
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990 ORDER NO. O-P-22/92 NR DATED 92-AUG-01 (CLAIM NOS. P-451541 TO P-451548 INCL. AND P-479503 TO P-479506 INCL. AND P-480315 TO P-480317 INCL.)
- MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT, R.S.O. 1990 ORDER NO. W-60/86 WR DATED 06-MAY-87.
- THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1992/93. FURTHER INFORMATION AVAILABLE ON FILE.
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. O-P-24/92 NR DATED 92-SEP-30 AT 7:00 A.M. E.S.T. (CLAIM NOS. P-528266 TO P-528272 INCL. AND P-528309 TO P-528316 INCL.)
- MINING AND SURFACE RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT, R.S.O. 1990 ORDER NO. O-P-30/92 NR DATED 92-NOV-02 AT 7:00 A.M. E.S.T. (CLAIM NOS. P-480308 TO P-480308 INCL. AND P-480318 TO P-480318 INCL.)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILLED 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.



not to scale



HIGHWAY AND ROUTES

OTHER ROADS

TRAILS

SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.

LOTS, MINING CLAIMS, PARCELS, ETC.

UNSURVEYED LINES:
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.

RAILWAY AND RIGHT OF WAY

UTILITY LINES

NON PERENNIAL STREAM

FLOODING OR FLOODING RIGHTS

SUBDIVISION OR COMPOSITE PLAN

RESERVATIONS

ORIGINAL SHORELINE

MARSH OR MUSKEG

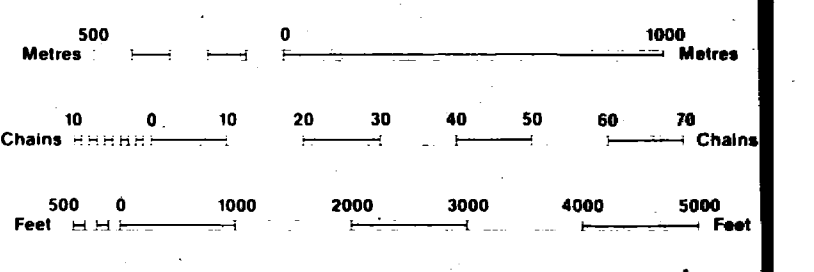
MINES

TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

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

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



SCALE 1:20 000
ZONE : 17

- APPLICATION PENDING UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 22-DEC-21 SNOWMOBILE TRAILS
- APPLICATION FOR CROWN LAND UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 23-MAY-4 C&B EXCAVATION TOP SOIL HOLDING STORAGE ETC.
- F2 THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995/96. AREAS DESIGNATED EXACTLY AS SUBMITTED BY MNR TIMMINS.

2.17356

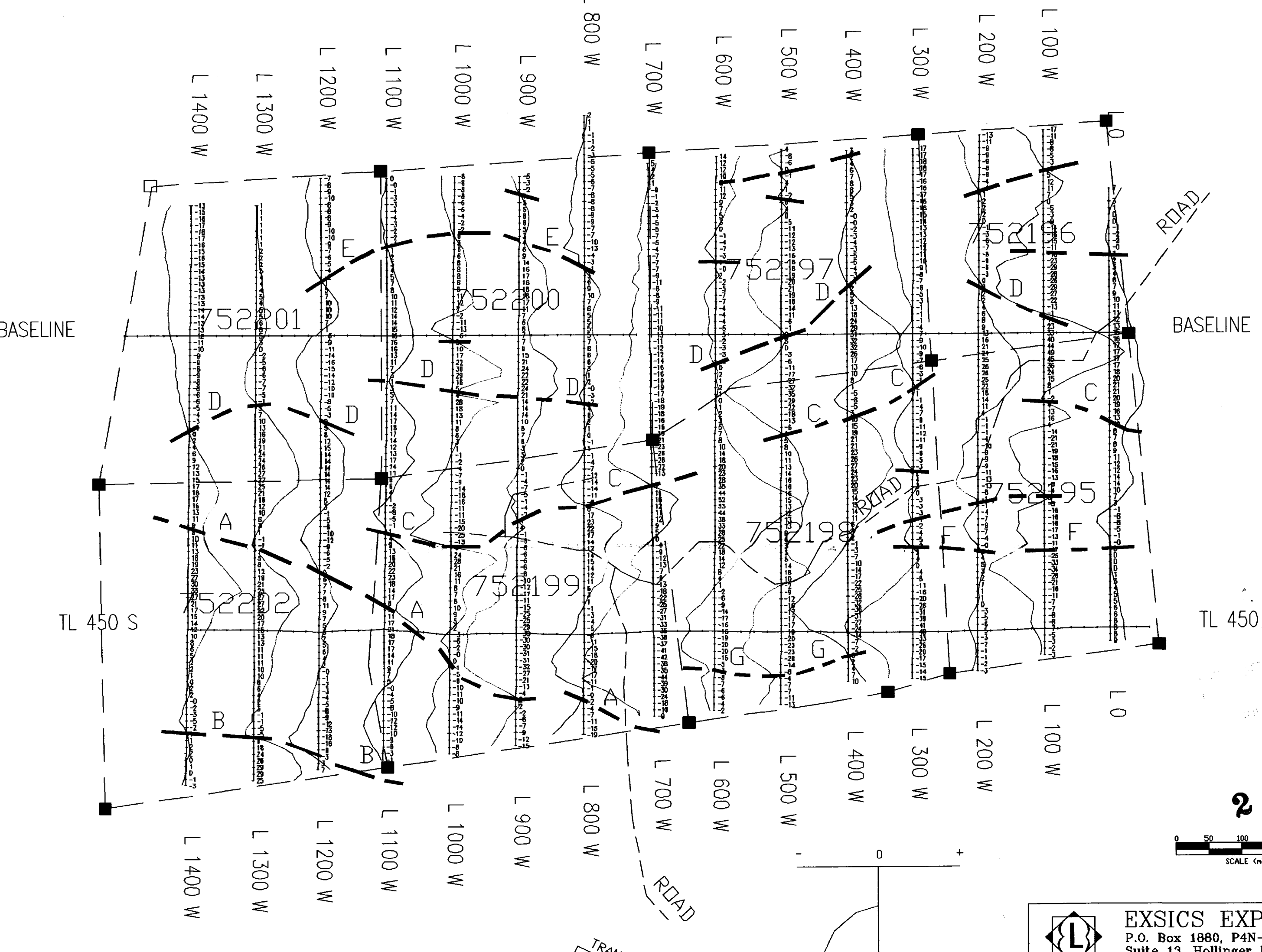
TOWNSHIP
BRISTOL

M. N. R. ADMINISTRATIVE DISTRICT
TIMMINS

MINING DIVISION
PORCUPINE

LAND TITLES / REGISTRY DIVISION
COCHRANE

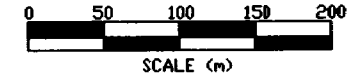
| | |
|--|------------------------|
| Ministry of Natural Resources Ontario | Land Management Branch |
| ORIGINAL COMPILED JULY 1984 | Number |
| ACTIVATED JULY 13, 1992 BY DC | G-3998 |
| REVISED | |
| CHECKED BY G.W. | |



TL 450 S


TL 450 S

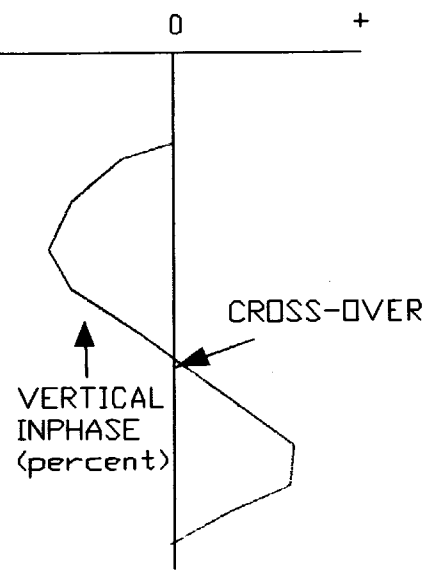
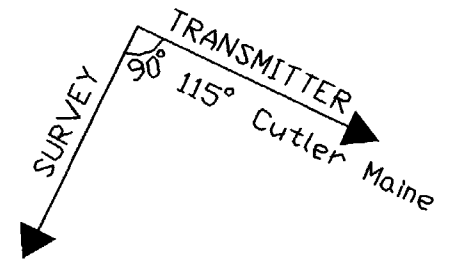
2.17356

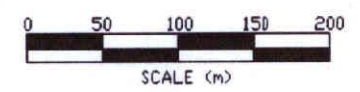
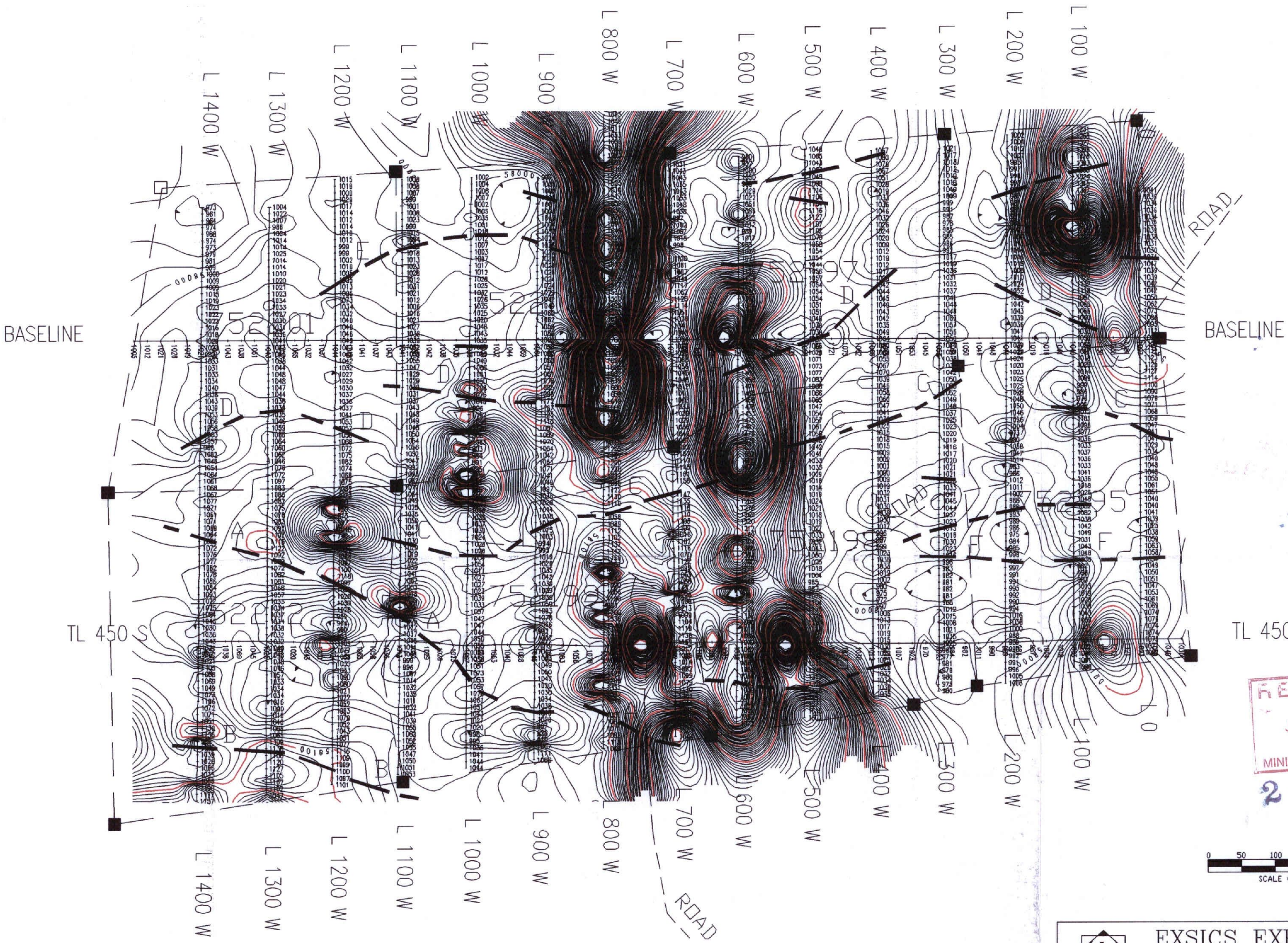


LEGEND

Instrument: BRGM OMNI-PLUS
 Transmitter Station: NAA CUTLER MAINE
 Frequency: 24.0 KHz
 Parameters Measured: INPHASE DIP ANGLE
 Vertical Scale: 1cm=40%
 Operator: J. DerWeduwen


| | | |
|---|--------------------|----------------|
|  EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151 | | |
| | | |
| PROPERTY: POIRIER PROPERTY | | |
| TITLE: BRISTOL TWP. | | |
| VLF DIP ANGLE | | |
| Date: Feb. 1997 | Scale: 1:5000 | NTS: |
| Drawn: P. Gauthier | Interp: J.C. Grant | Job No.: E-238 |





RECEIVED
JUN 05 1997
MINING LANDS BRANCH
2.17356

LEGEND
Instrument: BRGM OMNI-IV
Parameters Measured: Earth's total magnetic field
Accuracy: +/- 0.1 nano-teslas
Diurnals: Corrected by base station recorder
Contour Interval: 0,10,20,30,40,50,.....
Reference Field: 58,500 gammas
Datum Subtracted: 57,000 gammas

 **EXSICS EXPLORATION LTD.**
P.O. Box 1880, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT: COPPER DOME MINES LTD.

PROPERTY: POIRIER PROPERTY

TITLE: BRISTOL TWP.

MAGNETOMETER SURVEY

| | | |
|-------------------|-------------------|----------------|
| Date: Feb. 1997 | Scale: 1:5000 | NTS: |
| Drawn: P.Gauthier | Interp: J.C.Grant | Job No.: E-238 |