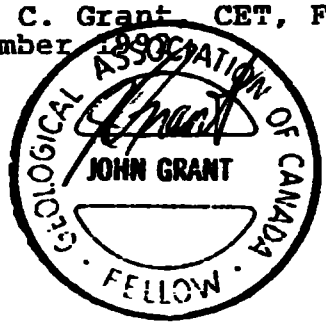
GEOPHYSICAL REPORT
FOR
R. COLLINS EXPLORATION
ON THE
DELWOOD PROPERTY, DELORO TOWNSHIP
PORCUPINE MINING DIVISION
TIMMINS, ONTARIO

Prepared by: John C. Grant, CET, FGAC.
November 1990



INTRODUCTION

INTRODUCTION

The Delwood Property consists of three staked blocks which are located in the Northeast section of Deloro Township, Porcupine Mining Division, District of Cochrane, Ontario Canada. Refer to figures 1 and 2.

R. Collins retained the services of Exsics Exploration Limited to perform a geophysical program over the entire property. The intent of this program was to locate and outline structures which would be favourable for base metal and or gold description.

The property has a history of exploration work carried out from 1936 to 1981 by a number of Companies. Delwood Porcupine Mines was the first to work the property. They were successful in locating three auriferious lenses of iron formation. They proceeded to trench and sink shafts on these zones to determine their mineral content. Drilling was carried out on the best iron formation which is located in the central section of the current property. Several interesting sections noted gold values ranging from $12.00 to $18.00 across 5 feet, based on 1936 gold prices. Also, a carbonate alteration zone was discovered by Delwood traversing the original claim P-7051, current claim 1182861, which was considered large enough to host potential ore grade material.

Since Delwood days, the property has had limited geophysics, prospecting and sampling done, all of which located the above zones as well as similar structures. However, the property has never been worked to its full potential.

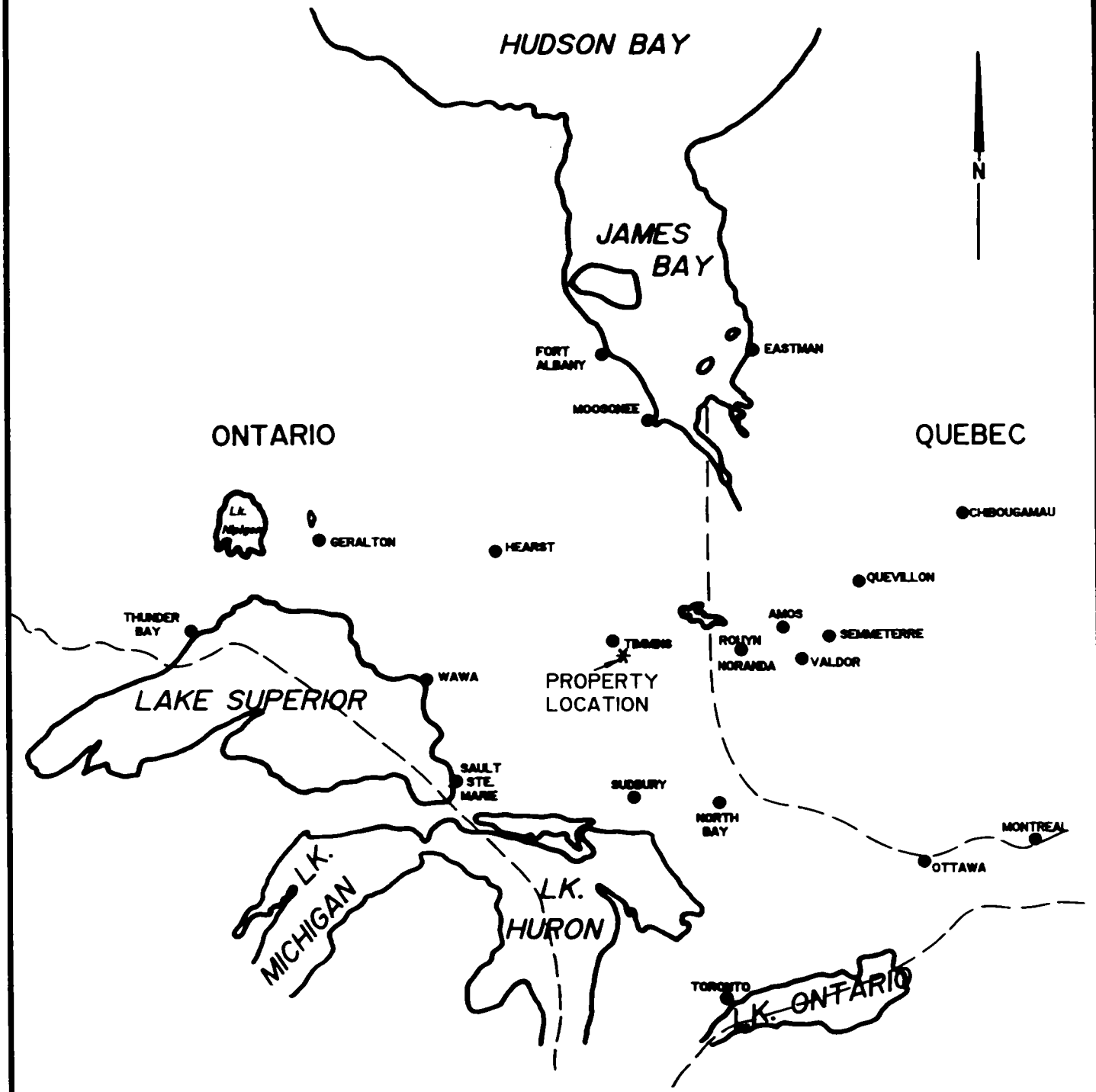
It was the intent of R. Collins Exploration to cover the property with a detailed geophysical program which would then be followed up by a major stripping, washing and sampling program. This would be the first time the property would be looked at thoroughly.

PROPERTY DESCRIPTION AND LOCATION

The Delwood property is comprised of 8 units which encompass approximately 320 acres of ground. The entire group is located in the northeast section of Delwood Township in the District of Cochrane, Porcupine Mining Division, Timmins, Ontario. Refer to figure 1 and 2.

ACCESS

Access to the property is by means of the Timmins, "Backroad" to the Buffalo-Ankerite headframe and townsite, then along a good gravel road, south for a distance of 3.5 kilometers. Claim units 1182859 and 1182861 lie along the ingress road to the old Faymar Minesite, approximately 400 meters to the east. Travelling time from Timmins to the property is approximately 25 minutes. Refer to figures 2 and 3.

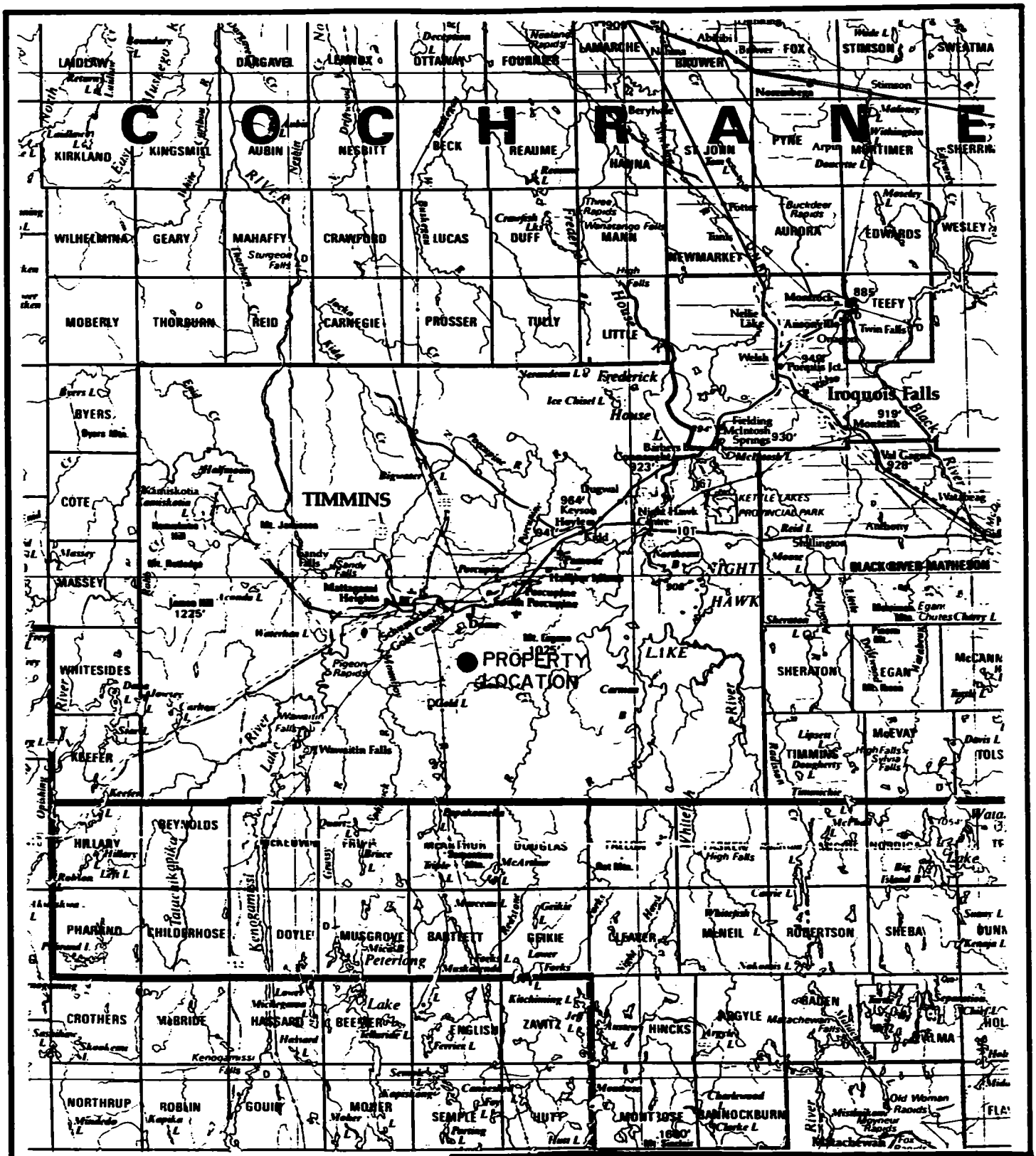


EXSICS EXPLORATION LTD.
P.O. Box 1000, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELORO TOWNSHIP
TITLE:	LOCATION MAP

Fig. 1

Date: Oct. 1992	Scale: 1"=125miles	NTS:
Drawn: P.G.	Interp: J.C. Grant	Job No. EE-587



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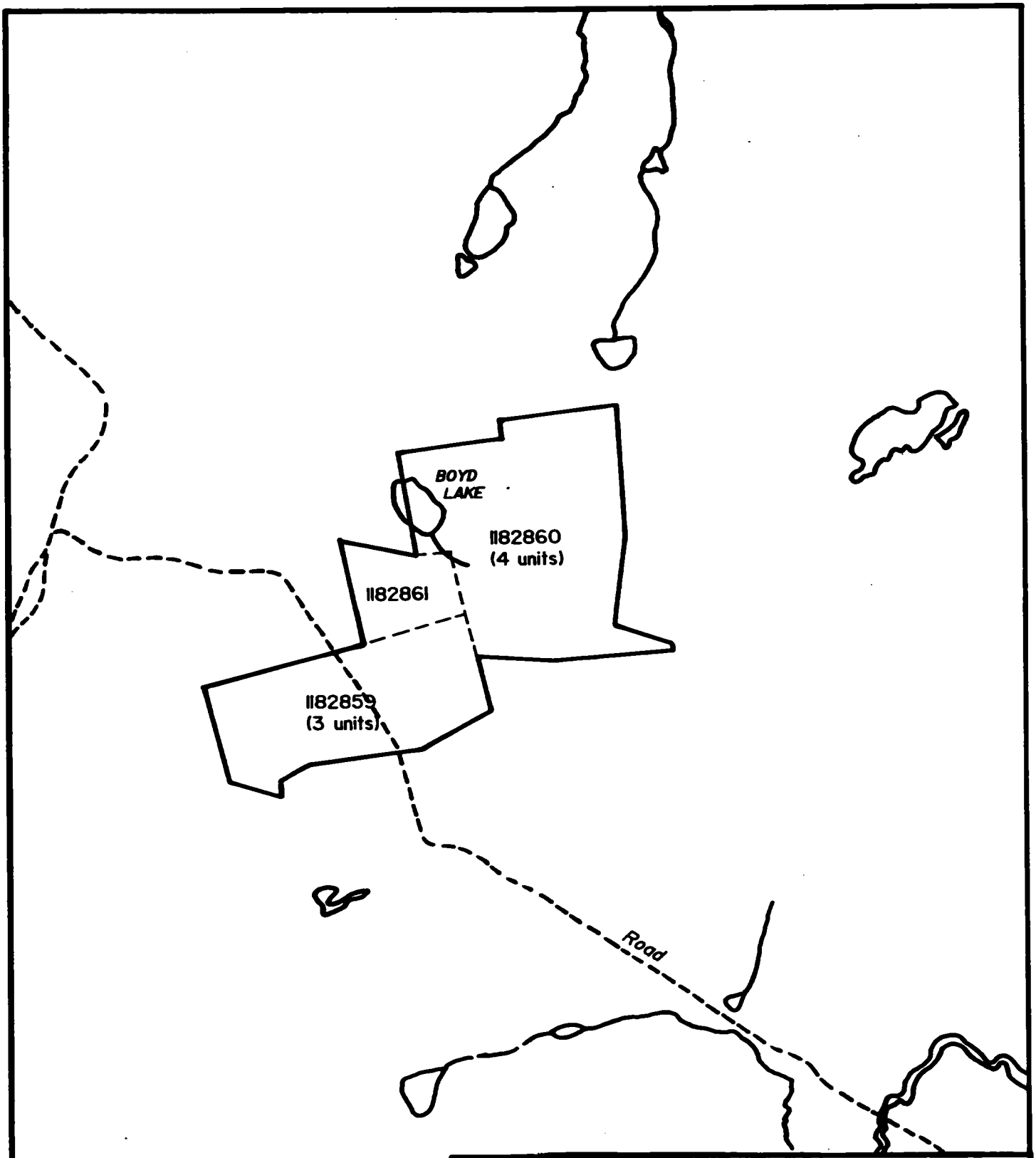
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELORO TOWNSHIP
TITLE:	PROPERTY LOCATION
	Fig. 2

Date: Oct. 1992	Scale: 1:600,000	NTS:
Drawn:	Interp: J.C. Grant	Job No. EE-587



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CLIENT: R. COLLINS EXPLORATION		
PROPERTY: DELORO TOWNSHIP		
TITLE: CLAIM SKETCH Fig. 3		
Date: Oct. 1992	Scale: 1:20,000	NTS:
Drawn: P.G.	Interp: J.C. Grant	Job No. EE-587

OWNERSHIP

The property is presently owned 100% by R. Collins Exploration of Timmins, Ontario.

CLAIM GROUP

The three units which make up the present property are as follows:

P-1182859	3 units
P-1182860	4 units
P-1182861	1 units
Total	8 units

Refer to figure 3, copied form Ministry of Northern Development and Mines Plan Map G-3993 Deloro Township; scale 1:20,000.

PERSONNEL

The people directly involved with the collection of all field data were all employed by Exsics Exploration Limited. All of the work was carried out under the direct supervision of J. C. Grant. All maps, plotting and computor manipulaton was done by P. Gauthier.

GEOPHYSICAL PROGRAM

This program consisted of a total Field magnetic survey done in conjunction with a very low frequency (VLF) electromagnetic survey. These two surveys were completed over the entire property generally as a reconnasince type survey.

The property was then covered by a horizontal loop electromagnetic (HLEM) survey. This was done to follow up any and all anomalies which were noted by the VLF and magnetic surveys.

This HLEM survey is a good and effective follow up program to the VLF and Magnetics as it would varify any legitamate bedrock anomalies noted by the VLF.

This HLEM survey is a good and effective follow up program to the VLF and Magnetics as it would varify any legitimate bedrock anomalies noted by the VLF.

VLF surveys, on their own, are very susceptible to all types of geological noise such as buried creeks, streams, clay troughs and ridges, geological contacts, swamp to outcrop contacts as well as legitmate electrically charged units, ie, sulphides. Therefore, any HLEM conductors which correlate to VLF conductors would suggest the response is sulphide oriented.

SURVEY PARAMETERS

Total Field Magnetic Survey

This survey was completed using the EDA OMNI Plus and OMNI IV system. Specifications for this system can be found as Appendix A of this report.

The following parameters were kept constant throughout the survey.

Field Unit	-EDA OMNI PLUS
Base Station Unit	-EDA OMNI IV
Base Station Recording Interval	-30 second
Reference Field	-58,500 gammas
Datum Substract	-57,500 gammas
Line Interval	-200 foot
Station Interval	-100 foot
Contour Interval	-50 gammas

The magnetic data was plotted onto a base map to a scale of 1" = 200' and is included in the back pocket of this report.

VLF EM Survey

This surey was also completed using the EDA OMNI Plus system: Refer to Appendix A

Field Unit	-EDA OMNI PLUS
Transmitting Station	-Cutler, Maine
Az to TX Station	-115 degrees
Transmitting Frequency	-24.0 KHZ
Shoulder Alignment	-Az 25 degrees
Parameters Measured	-1) Inphase and Quadrature
	-2) Total field strength
	-3) Dip Angle
	-4) Fraser Filter of Dip Angle
Line Interval	-200 feet
Station interval	-100 feet
Profile scale	-Dip Angle 1 cm= +/- 20%
Contour interval	-field strength +5 units
	-Fraser Filter +5 units

The data was then plotted onto base maps, 1 map each for Fraser Filter, Total Field strength and Dip Angle, at a scale of 1:200'. All of these maps are included in the back pocket of this report.

AUTHORS NOTE

Fraser Filtering is a low pass filtering of the Dip anlge measurements which results in positioning a high positive value over shallow buried structure and a lower positive value over

deeper buried structure. It is a qood interpretation method for determininq strikes of the buried structures as welL as enhancinq weaker more subtle zones of continuity which may have been missed by the dip anqle surveys.

HLEM SURVEY

This survey was completed usinq the Apex Max Min II system. Specifications for this system can be found as appendix B of this report.

The followinq Paramters were kept constant throuqhout the survey period.

Coil Seperation		-500 feet
Theoretical Depth Penetration		-250-350 feet
Side Seekinq Ability		-250 feet
Frequencies	Hiqh	-1777 HZ
	Low	-444HZ
Line Interval		-200 feet
Station Interval		-100 feet
Profile Scale		-1 cm = +/- 20%

The frequency ranqe of 1777 and 444 HZ was used for the followinq reasons. The 1777 Hz frequency is a qood tool for locatinq weak near surface zones of conductivity but is less effective in conductive overburden areas.

The 444 Hz frequency is a qood tool for deep buried zones below the conductive overburden layerinq. These two frequencies have proven to be very successful in this area from past surveys. The sideseekinq ability of the unit results in blanket coveraqe of the qrid.

The collected data for this survey was then plotted onto a base map, one map for each fequency, and then profiled accordinqly. Both of these base maps are included in the back pocket of this report.

SURVEY RESULTS

The different survey procedures were successful in locatinq and outlininq a number of conductive structures across the property. As was expected, the VLf survey noted a wide variety of zones across the qrid.

On viewinq the Fraser Filtered data, maqnetic data and especially the HLEM data , a number of the VLF zones can be eliminated. However, there are still a number of tarqets worthy of more intense interpretaton and follow-up.

Each of these zones will be discussed seperately and in detail below.

CONDUCTIVE ZONES

Zone A:

This feature was noted by the VLF and HLEM Surveys. It strikes approximately east-west across lines 2000W to 800W at 1400S to 1300S. The depth to source appears to be 45-55 meters with weak to moderate conductivity of 4-5 MHOS.

There does not appear to be any direct magnetic correlation except that the feature lies along the north flank of a broad magnetic unit.

A follow-up program of mapping and trenching should be contemplated on the zone as it appears to be a legitimate, albeit weak bedrock zone. It may, in fact, be too deep for the HLEM Survey.

Zone B:

This feature is represneted by a weak Maxmin, HLEM, response. It again strikes approximately 070 degrees across lines 800W/1450S to 0+00/1050S. The zone appears to be at a depth of 35-40 meteres with weak conductivity of 3 MHOS.

There does not appear to be any definite magnetic correlation with the zone.

The feature in fact may relate to some sort of geological noise such as a clay filled trough or ridge. The priority of this zone would be based on the results of follow-up work in Zone A. At this writing the zone would be considered as a low priority target.

Zone C:

This feature was noted by the VLF and HLEM Surveys. It appears to be deep at 50-60 meters but has good conductivity at 5-7 MHOS. The zone is situated on line 1000W at 1150S and may extend as far as 1600W/1200S. There is no magnetic correlation.

The feature should be included in the follow-up mapping and trenching of Zone A.

Zone D:

This feature strikes at 120 degrees across lines 0+00/150N to 200E/50S. It may in fact strikes as far as 600E. It also, most probably, strikes off of the grid to the west.

The zone is deep at 75-90 meters and has good strong conductivity at 15MHOS.

The zone cross cuts the northern tip of a good magnetic unit striking in from the southwest. In fact, on closer

inspection of the magnetics, the zone has a weak magnetic low associate suggesting it may be a type of alteration zone within the host environment.

This feature represents a good legitimate bedrock zone of unknown composition. The weak magnetic correlation suggests the presence of a minor alteration zone which should be mapped and trenched.

Zone E:

This feature is better defined by the VLF survey than the HLEM survey but the two correlate along the western tip. At best the zone is weak, however, filtered data may suggest it is deeper than the HLEM penetration capabilities.

The entire zone lies to the south of a magnetic unit and closely parllels the magnetic contours of the unit.

At this writing the zone would be considered as a low priority target.

Zone F:

This feature represnts the best looking target on the grid. It was best recognized by the HLEM survey. It strikes east west across lines 1200E to 1800E at 1050N. The zone is deep at 75-85 meters with good conductivity of 10MHOS.

The feature has good strong mangetic correlation of 800 to 1000 gammas above the grid background.

The feature is a definite bedrock zone, most probably a sulphide rich iron formation.

A follow-up program of stripping, trenching and mapping is required to better define the zone. The interpreted depth of the zone may suggest the feture will have to be tested by diamond drilling.

On examining the magnetics of this feature, one would be drawn to the magnetic unit which strikes across lines 1800E and 2000E at 400N and 500N and the similar zone at line 2200E\250N and 2600E/550N. Both of these feature resemble the characteristics of Zone F as far as elevated background values and strike directions. Also, VLF zone H K and L appear to relate to sections of the magnetic unit.

Certainly, if Zone F returns good results from the follow-up program the VLF Zones H, K and L should be followed-up. Regardless of Zone F results, H, K and L should be mapped.

The filtered data for Zones F, H, K and L suggest that all of the structures are relatively shallow but with depth extent.

Zone G:

This feature strikes across lines 1400E/1050N to 2200E/1950E. Again this feature is somewhat weak and questionable.

The magnetic surveys shows good correlation with the western portion of the zone but that there may be a north-south cross structure following line 1800E. The magnetic unit appears to run into a north-south cross structure following lines 1400 and 1600E.

The filtered data suggest that sections of Zone G may be within range for stripping and trenching.

Zone J:

This feature was noted by the VLF survey and it closely parallels Zone F. The zone strikes east-west across lines 1800E/1150N to 2600E/1050N.

The magnetic survey correlates with the western section of the zone and has the same elevated background as F.

This feature should be followed-up in the program layed out for Zone F.

The remaining VLF targets would be considered as low priority at this writing. Certainly several of the zones relate to geological noise as they were only detected by the VLF survey.

However, should any encouraging results be returned from the suggested follow-up areas, then each zone will have to be re-examined, especially if it lies along strike with priority target areas.

The magnetic survey was successful in highliting several of the more predominant structures.

Certainly the most interesting target is the magnetic units which correlate to Zone F, J, K, H, and L. Both of these magnetic units are similar in elevated background levels as well as strike directions and widths. If we use Zone F magnetics as a marker horizon then several other magnetic units become interesting.

These would be the magnetic units striking across 400W and 200W at 1600S and 200E and 800E at 1550 to 1600S.

Another magnetic unit of interest would be the structure striking across lines 1400W to 200W at 700S to 100S. This feature has pretty much the same signature as the magnetics of Zone F. In fact, if one examined the property as a whole, magnetically then it might be suggested that one major magnetic

unit may lie between lines 1800W/400S to 3000E/1900N and that along this unit are heavier concentrations of sulphide rich materials.

It may also suggest that the feature is relatively shallow on its eastern and western ends and deeper in the middle section; that portion between, lines 0+00 and 800E. Also, a possible alteration zone may lie across lines 0+00 and 200E along the baseline which may have interupted the overall unit.

CONCLUSIONS AND RECOMMENDATIONS

Certainly, the geophysical program was successful in outlining the known zones of interest which had been detected by the past programs. The detail work of this present program has outlined several new target areas as well as extending existing target areas.

This may be particularly true if one consideres the scenerio of one magnetic unit, which contains Zone F, J and several weak VLF targets to the southwest, all being one structural unit with areas of heavier sulphide concentrations.

Also, Zone A, C and D may be too deep for surface trenching and will have to be followed up by drilling.

The results of the present geophysical program has enhanced an area which has a history of moderate to good gold values. The program has outlined and traced several areas which should be followed up by a detailed stripping, trenching and mapping program. The detailed mapping program should help in eliminating a number of the questionable VLF responses.

Also, should trenching prove unsuccessful on Zones A, B, C and D then diamond drilling should be considered. The drilling should be followed up by a borehole survey to check each target for continuity.

Respectfully Submitted,

GEOLOGICAL ASSOCIATION OF CANADA
JOHN GRANT
FELLOW

John C. Grant, CET, FGAC

CERTIFICATE

I, John C. Grant, hereby certify that:

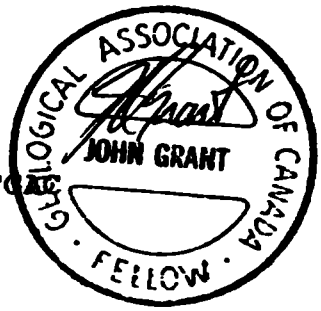
1) I am a graduate geophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury, Campus. I have worked subsequentely as an Exploration Geophysicist for Teck Exploration Limited (5 years), North Bay office, and as Exploration Manager 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 seveenteen (17) years, including all aspects of exploration studies, surveys and interpretations.

5) I have no specfic or special interest in the described property. I have been retained as a Consulting Geophysicist. for property appraisal.

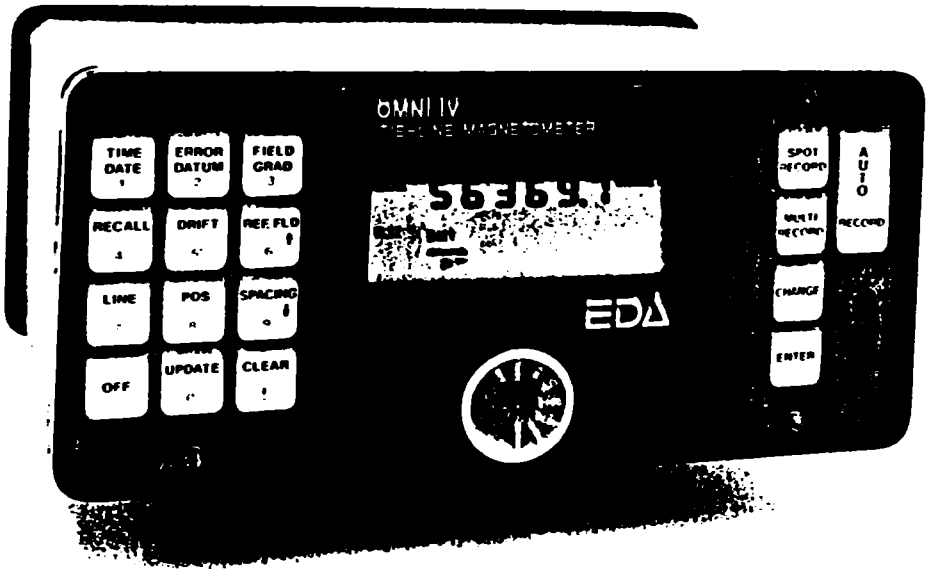


John Charles Grant, CET, FGAC

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

EDA

Specifications

ynamic 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
utomatic Fine Tuning	± 15% relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
rocessing Sensitivity	± 0.02 gamma
atistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
andard 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
splay	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to +55°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)
ensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
radient 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
cling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to +55°C; 0–100% relative humidity; weatherproof
wer 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.
ttery 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	
nstrument 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
ead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m 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

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

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E D A Instruments Inc.
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Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

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OMNI PLUS
VLF/Magnetometer System

Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field

Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from −40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	−40°C to +55°C; 0 – 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

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(303) 422-9112

Printed in Canada

SUMMARY REPORT

OF THE

STRIPPING/WASHING/MAPPING PROGRAM

DELWOOD PROPERTY

DELORO TOWNSHIP

TIMMINS, ONTARIO

OMIP92-070

November 24, 1992

Ken Lapierre HBSc. FGAC.

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At the request of Mr. R. Collins this report was prepared for the purpose of:

1) Satisfying all OMIP regulations and requirements
2) Highlighting the geological and historical setting of the claim group.
3) Determining if the stripped areas are anomalous and worthy of further study.
4) Determining if the property should be retained for further study.

Sources of information contained in this report were obtained from Ministry of Northern Development and Mines assessment files, consultants reports and supervision, mapping and sampling of the areas exposed in this study.

PROPERTY: LOCATION AND DESCRIPTION

The property is comprised of 3 unpatented mining units located in the northeast quadrient of Deloro Township, Porcupine Mining Division, District of Cochrane, Ontario, Canada (figure 1).

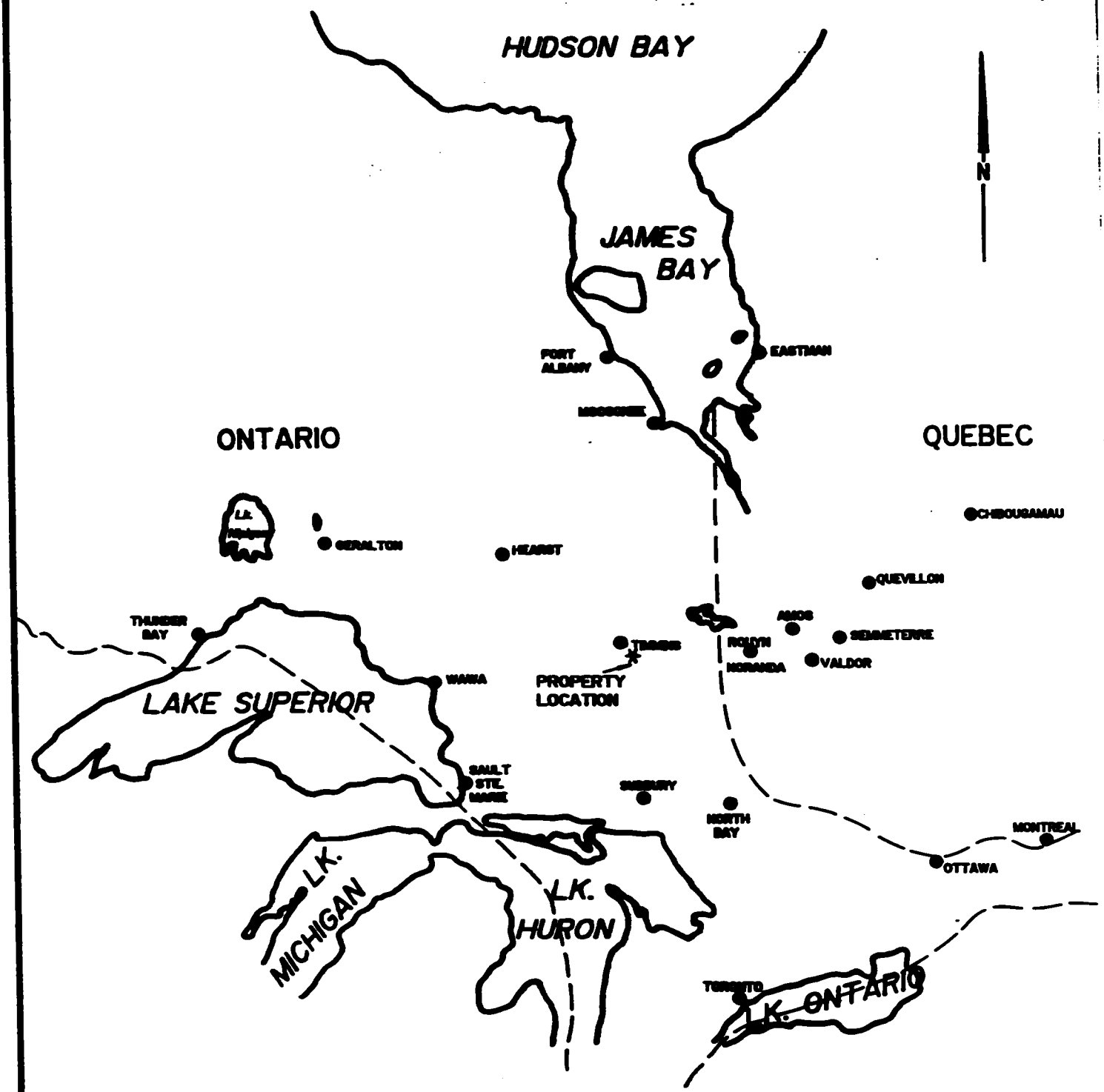
The claim numbers of the claim group are outlined below (figure 2).

Claim Number	# of units	Acres(approx.)
P.1182859	3	120
P.1182860	4	160
P.1182861	1	40

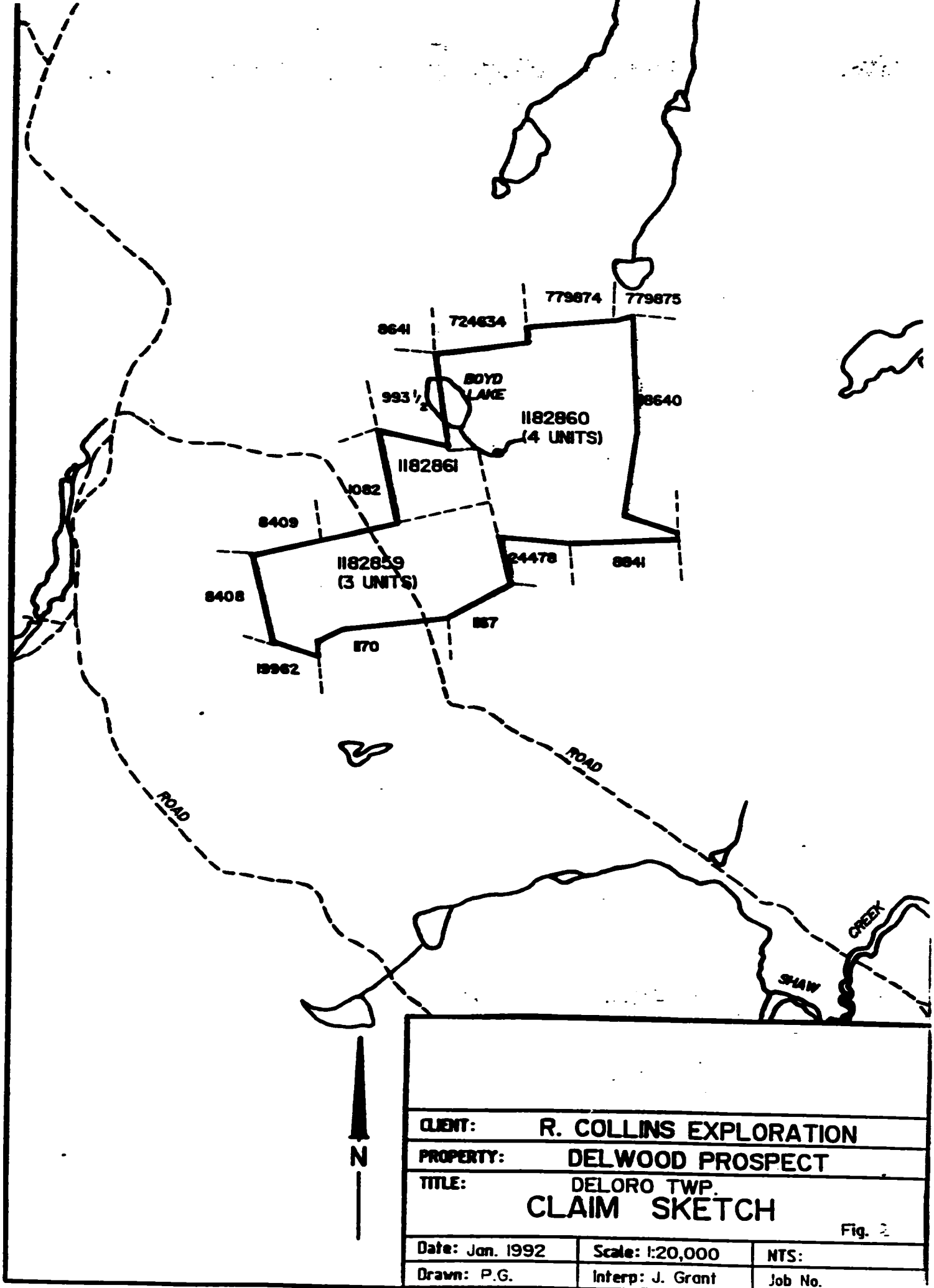
ACCESSIBILITY, CLIMATE, LOCAL RESOURCES

Access to the property is by means of the Timmins backroad from either Timmins or South Porcupine to the Buffalo Ankerite Mine turnoff then south on the old "Mackay Lake gravel road for approximately 2-3/4 miles to the Faymar Mine road. At this point the road travels southeast for approximately 3/4 of a mile where it passes through claim P.1182859 (figure 3).

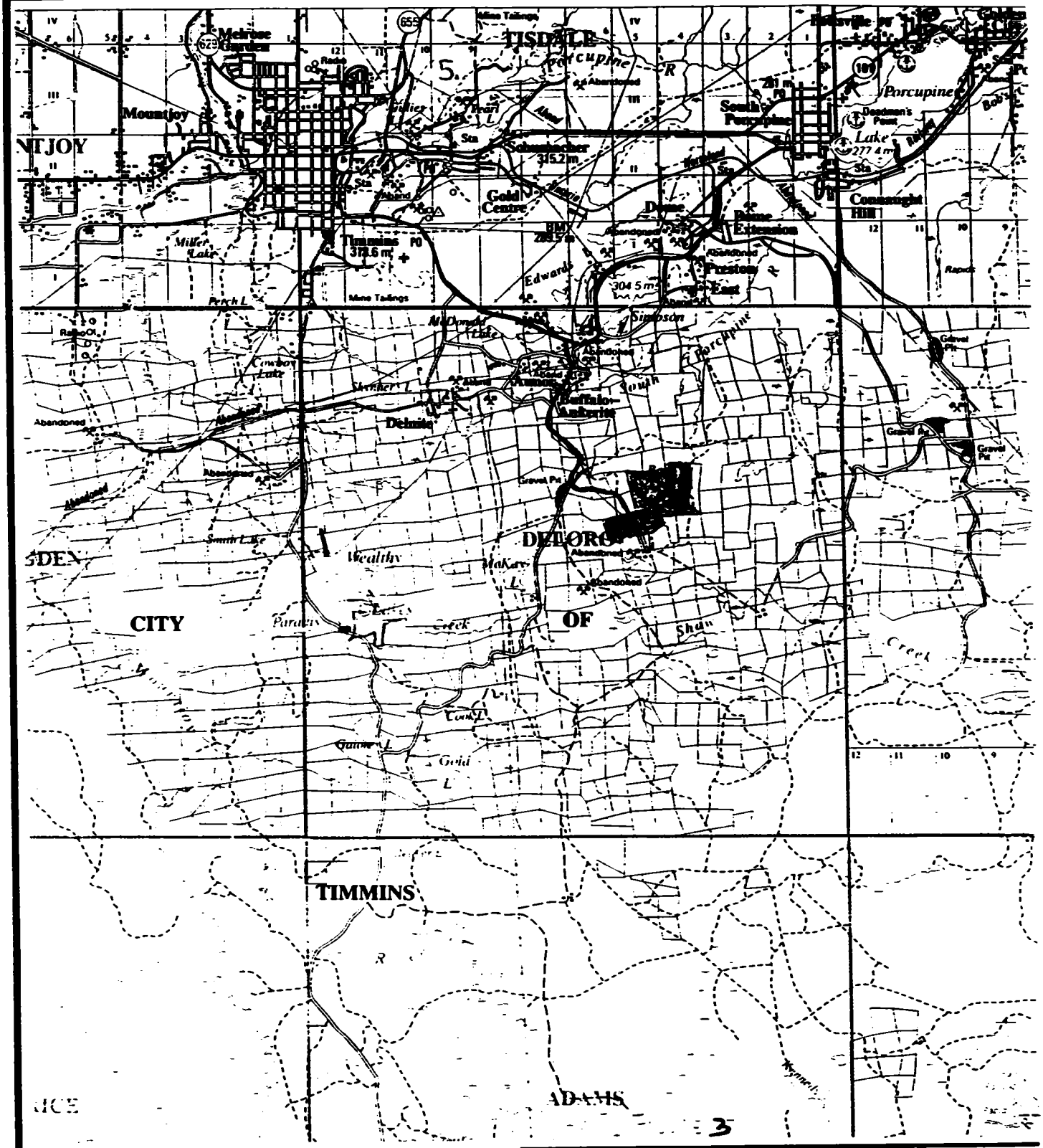
Climatic conditions are typical for this part of Northern Ontario. Temperatures range from -45 degress celsius to +35 degress celsius.



CLIENT:	R. COLLINS EXPLORATION	
PROPERTY:	DELWOOD PROSPECT	
TITLE:	DELORO TWP. LOCATION MAP	Fig. 1
Date:	Scale: 1"=125miles	NTS:
Drawn: P.G.	Interp:	Job No.



CLIENT: R. COLLINS EXPLORATION		
PROPERTY: DELWOOD PROSPECT		
TITLE: DELORO TWP. CLAIM SKETCH		Fig. 2
Date: Jan. 1992	Scale: 1:20,000	NTS:
Drawn: P.G.	Interp: J. Grant	Job No.



LAPIERRE EXPLORATION SERVICES INC.	
P.O. Box 1021, P4N 7H6 Suite 17, Hollinger Bldg. Timmins, Ontario Telephone: 705 267-7389	
CLIENT: R. COLLINS EXPLORATION	
PROPERTY: DELWOOD PROPERTY	
TITLE: PROPERTY LOCATION	
DATE: NOV. 1992	SCALE: 1:100,000
DRAWN: P.G.	INTERP.: K. Lapierre

Availability of electrical power is located at Buffalo Ankerite. Water resources are located within the property. Mining supplies and manpower are located within Timmins and South Porcupine.

PREVIOUS WORK

The earliest recorded information on the present property was in 1936 by Delwood Porcupine Gold Mines Limited. In that year, the company's prospectus stated that a 20 foot deep pit, that was sunk on a well mineralized quartz breccia, yielded values up to $30/ton. Several other other "promising looking" veins were also observed on the property. Furthermore, a large mineralized float was observed to contain "a plentiful scattering of visible gold" and was concluded to be close to its source of origin. The company was successful in raising the necesary funds to explore the property by means of prospecting, trenching, blasting, shaft sinking, diamond drilling and sampling (assessment file number T-2530). Eighteen of the twenty drill holes completed on the property tested an east-west trending, 400 foot long, 2 to 6 foot wide, lenticular body of iron formation located southeast of Boyd Lake (east of #1 claim post of the present claim P.1182861)(figure 4). Results from this drill program yielded values up to $18/ton across 5 feet. Supplementary drilling on the iron formation failed to yield anomalous values. Other zones of interest yielded low anomalous results.

On September 12, 1938, a letter from Mr. M.E. Scott, M.D. to Mr. W.A. Walton; secretary of Sylvanite Gold Mines Ltd., reported that their engineer would show Sylvanite's

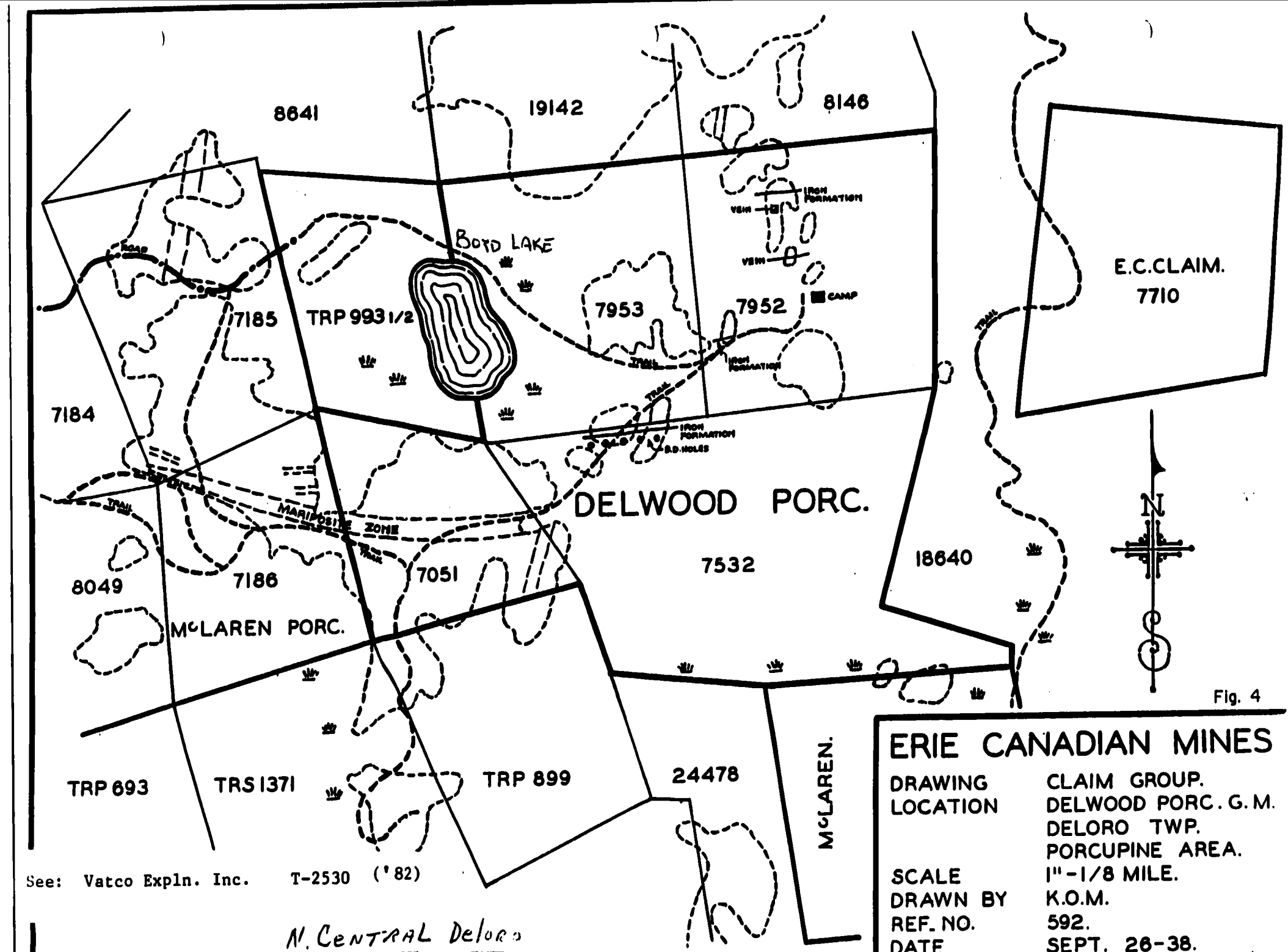


Fig. 4

ERIE CANADIAN MINES

DRAWING	CLAIM GROUP.
LOCATION	DELWOOD PORC. G.M. DELORO TWP. PORCUPINE AREA.
SCALE	1"-1/8 MILE.
DRAWN BY	K.O.M.
REF. NO.	592.
DATE	SEPT. 26-38.

See: Vatco Expln. Inc. T-2530 ('82)

N. Central Deloro

T-71

geologist "the exact spot where the free gold is showing, $146.00 per ton and $46.00, no free gold showing" (assessment file T-762). These samples were reported to be chipped off near the bunkhouse by Mr. H B. Hatch (letter to Mr. Hatch from Mr. Scott on September 12, 1938). No other correspondence with regards to this matter was ever recorded.

On September 24, 1938, Mr. G. L. Holbrooke; superindentent for Erie Canadian Mines Ltd., reported to his supervisor; Mr. M.V. Moot, that the only promise for the property was a "mariposite zone striking east-west across the southwest claim of the group and showing a length of over 1,000 feet and a width between 40 to 100 feet. He concluded that "the possibilities could be investigated by about 2,000 feet of diamond drilling". No systematic stripping/washing or drill program was ever recorded on this zone.

The next recorded work recorded on the property was by Vatco Exploration Incorporated (T-2535) and Legion Resources Ltd. (T-2647). Programs of prospecting, linecutting, blasting, geology, geophysics and geochemistry were completed between 1981 and 1984. Several geophysical anomalies were detected and prospecting and sampling Delwoods old trenches yielded values up to 0.09 ounces/ton. Further work was strongly recommended but never completed.

In the fall of 1991, Mr. R. Collins decided to undertake a staking program for property acquisition. The

purpose of this acquisition was to further evaluate the property's mine making potential as outlined by previous exploration studies completed by previous companies. Mr. Collins' success in obtaining OMIP approval enabled him to proceed with his exploration study and offset half of his exploration cost. The present OMIP program included linecutting, prospecting, geophysical, geological and stripping/washing/mapping/sampling surveys over the entire property. The program commenced on September 20, 1992 and was completed on November 24, 1992.

OMIP PROGRAM

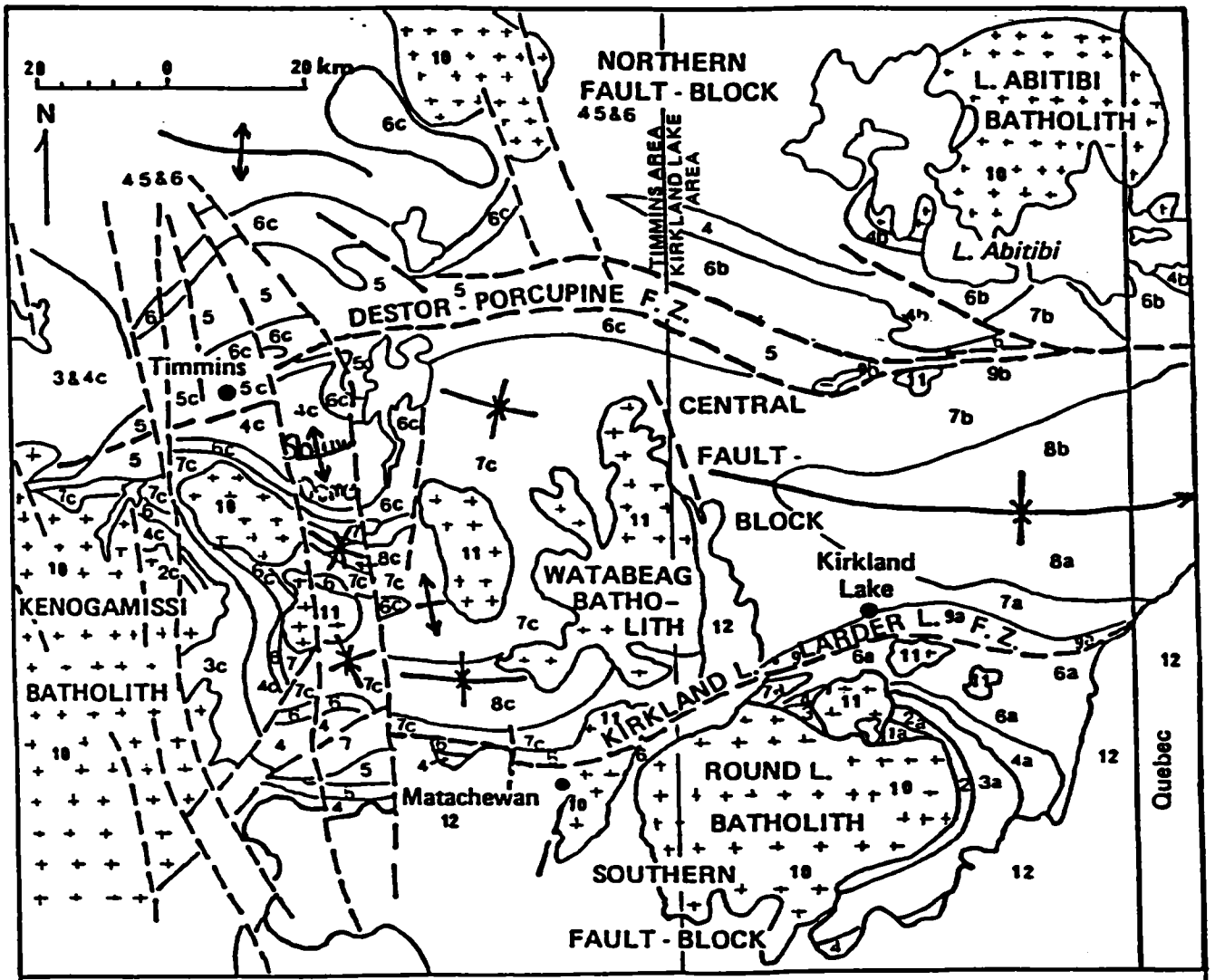
A) Regional Geology

The Geology of the Timmins area consists predominantly of Precambrian metavolcanics and metasediments. The precambrian rocks were later covered partially by unconsolidated Cenozoic deposits (figure 5). The precambrian rocks represent a 40,000 foot thick sequence of lower to middle greenschist facies volcanics and sediments that are divided into three groups. From oldest to youngest the three groups are known as the Deloro, Tisdale and Porcupine Groups. The Deloro Group is a 16,000 foot thick sequence composed of basal ultramafics, andesites and basalt flows followed by dacite flows, calc-alkaline rhyolites and dacite pyroclastic rocks and oxide to sulphide facies iron formations. The Tisdale Group is a 14,000 foot thick sequence composed of basal ultramafic volcanics and komatiites followed by tholeiitic basalts and calc-alkaline pyroclastic rocks. The Porcupine Group is a 10,000 foot thick sequence composed of interlayered wacke, silstone and conglomerate.

The rocks of the Timmins area were then intruded by sill-like bodies and dykes composed of felsic to mafic components.

Stratigraphic displacement of rock types range from tens of feet to thousands of feet. The most prominent and

after - L.S. JENSEN AND F.F. LANGFORD



LEGEND

Proterozoic

Keeweenawan diabase (not shown)

12 Cobalt Group

Archean

Matachewan diabase (not shown)

Granitic rocks

11 Granodiorite, monzonite, quartz monzonite, syenite

10 Massive to gneissic quartz diorite, tonalite, trondhjemite

Upper Supergroup

9 9a* Timiskaming Group, 9b** Destor - Porcupine Complex

8 8a, 8n, Blake River Group, 8c*** Blake River (Upper Fm., Tisdale Group)

7 7a, 7b, Kinojevis Group, 7c Kinojevis Group, (Middle Fm., Tisdale Group)

6 6a Larder Lake Group, 6b Stoughton-Roquemaure Group, 6c Lower Fm., Tisdale Group

5 5c Porcupine Group

Lower Supergroups

4 4a Skeed Group, 4b Hunter Mine Group, 4c Upper Fm., Deloro Group

3 3a Catherine Group, 3c Middle Fm., Deloro Group

2 2a Wabewawa Group, 2c Lower Fm., Deloro Group

1 1a Pacaud tuffs ****

*a refers to Kirkland Lake Area, south limb of synclinorium (Jensen 1978c, 1979).
**b refers to Kirkland Lake Area, north limb of synclinorium (Jensen 1976, 1978b).
***c refers to Timmins Area (Pyke 1980)
**** (Goodwin 1965).

Figure 5 : Geological map of the Timmins - Kirkland Lake area.

prolific fault in the area is known as the Destor-Porcupine Fault. This major structural break trends generally northeast, dips steeply north and has a width in excess of 400 feet. Other younger fault systems traversing the area are known as the Montreal River Fault and the Burrows Benedict Fault Systems.

Structurally, the area lies within the Superior Province of the Canadian Shield. North of the Destor-Porcupine Fault, 2 major series of deformational-metamorphic events altered the rocks in the region; initial north trending series of folds were subsequently refolded about an east-northeast trending series of folds (figure 6). South of the Destor-Porcupine Fault, an east-west trending series of folds produced a major structural domain known as the Shaw Dome.

B) Local Geology (Pocket 1-Property Geology Map)

The geological survey completed on the property confirmed that the property is underlain by a major sequence of volcanics of the Upper Deloro Group. This sequence consists of a series a intermediate to ultramafic volcanics, quartz breccia, iron formation and carbonatized, fuchsitic volcanics. All rock units generally trend east-west and dip vertical or northward. Alteration products included talc, chlorite, carbonate, sericite and fuchsite in varying degrees. Local mineralization consisted of pyrite, magnetite,

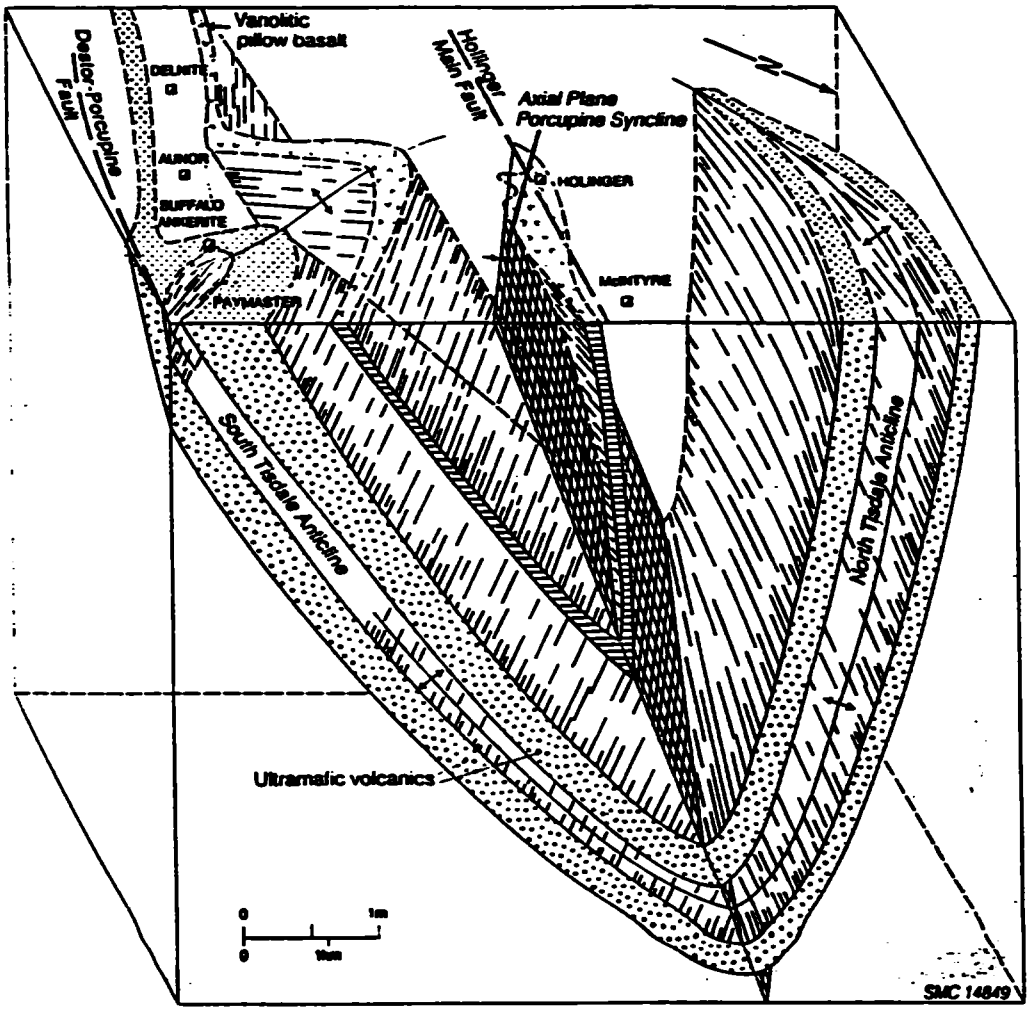


Figure 6 -Diagrammatic sketch showing interpretation of main part of the Timmins gold camp; illustrates the refolding of an anticlinal structure (now represented by the South and North Tisdale Anticlines) about the easterly trending Porcupine Syncline. For line of cross-section see Figure 15.

After D.R.Pyke, O.G.S. report # 219-Timmins Area

hematite, chalcopyrite and sphalerite.

The volcanic material of the claim group were then intruded by dykes of ultramafic composition. No major displacement was detected in the mapping program.

C) Geophysics

Three detailed geophysical surveys carried out on the claim block consisted of a total field magnetic survey, a VLF electromagnetic survey and an horizontal loop electromagnetic survey. Please refer to Mr. John C. Grant's geophysical report dated November 1992.

Mr. Grant concluded the geophysical program was successful in outlining the known zones of interest as well as detecting several new target areas. Mr. Grant recommended that most of these zones, if possible, should be explored by overburden removal methods and detailed geological studies. Furthermore, he recommended diamond drilling the geophysical anomalies that could not be explained by the current program.

D) Stripping/Washing/Mapping/Sampling Program

Correlation of the geological stratigraphy with the geophysical surveys uncovered several important target areas that were deemed suitable for a program of overburden removal, detailed geological mapping and sampling. This program would expose and try to explain the underlying stratigraphy and corresponding geophysical anomaly.

Assay Results:

A total of 157 samples were taken to two different laboratories. The methods both labs used in determining the metal content of each sample was the conventional fire assay technique using either a 1/2 assay or 1 assay ton weight. Refer to Appendix 1 for a complete list of assay results.

Trench Map 1: **Carbonate Zone**

Refer to map pocket 2 for detailed information on map #1.

Geological surveys and historical documentation outlined an area that was known to contain a carbonate zone associated with mariposite or fuchsite mineralization. It was decided to expose this area by overburden removal methods so that a proper geological evaluation could determine the economic significance of the surface of this zone.

A large 100 foot wide, lenticular, fine grained, talcose, carbonated, siliceous, oxidized, sheared Carbonate Zone was

exposed in 6 trenches for a distance of over 1,100 feet. The zone striked east-west and dipped variably northward. Both footwall and hangingwall contacts were commonly foliated and were associated with a fuchsite rich, quartz stockwork environment.

Minor faulting occurred throughout the mapped area. Displacements were recorded up to 24 inches.

Mineralizaton within the carbonate zone was widespread throughout the zone. The higher values were concentrated at and proximal to both footwall and hangingwall contacts. All samples assayed returned anomalous values up to 1.25 grams/tonne gold.

Map 2: **Daxl Float Zone**

Refer to Map #2 located in pocket #2 at the back of the report for detailed information on this area.

During the property mapping program, Mr. Herman Daxl MSc., discovered a large angular float composed of a mineralized, brecciated, quartz rich, carbonated material. Samples removed from the "Daxl float" yielded gold values up to 6,030 ppb. Several other smaller floats, similar in composition, were observed dispersed in a north-south direction for a distance of over 1,100 feet (refer to the main geology map for exact locations). Samples removed from the smaller floats yielded gold values up to 1,205 ppb. It was decided to expose the bedrock near the Daxl float for the

purpose of determining the geological stratigraphy surrounding the float.

Five trenches were completed in the area of the Daxl float. Trench #7, located closest to the Daxl float, exposed a dark green, moderately magnetic, fine grained, slightly mineralized, ultramafic volcanic. The trench did not reach bedrock beside the Daxl float. Trenches #8 through to #11 were located south of trench #7. These trenches did not reach bedrock. The magnetic qualities of the underlying strata in the area of the Daxl float is condusive to the moderately magnetic ultramfic rock that was exposed in trench #7. The magnetic qualities of the Daxl float would, in all probability, be condusive to a magnetic low signature.

Of importance is the fact that the float dispersal area is located immediately above 2 geophysical zones; Zone A and Zone C. Both zones were noted by the VLF and HLEM surveys. They have weak to good conductivity and appear to be legitimate bedrock anomalies. Both zones are also associated with a magnetic low signature (Grant, 1992). Unfortunately, both zones are located in swampy terrain and overburden removal methods could not determine their source.

Map 3: **Sulphide Rich Shear Zone**

Refer to map pocket 2 for detailed information on Map #3.

The purpose of trench #12 and #13 was to expose several overgrown old trenches where previous owners exposed a sulphide rich zone. Uncovering and widening the old trench near the Faymar road exposed an east-west trending, northward dipping, mineralized, oxidized, foliated zone. Pyrite and pyrrhotite sulphide mineralization were associated within irregular trending quartz-rich material throughout the zone. Samples removed from the zone yielded gold values up to ??? ppb.

Map 4: **Geophysical Zone `D'**

Refer to map pocket 2 for detailed information on Map #4.

The purpose of trench #14 was to explain the geophysical anomaly that cross cuts the northern tip of a good magnetic unit. Mr. Grant concluded that the anomaly represents a good bedrock zone that may be associated with some type of alteration zone.

Trench #14 exposed a carbonated intermediate volcanic. The geophysical anomaly could not be explained as the bedrock quickly `dropped off' in the direction of the anomaly. Swampy topographical conditions were located above the anomaly. The anomaly could not be explained by

overburden removal methods.

Map 5: **Shaft Zone**

Refer to map pocket 2 for detailed information on map #5.

The purpose of trench #15 was to expose the mineralization associated with a 30 foot deep 2-compartment shaft located proximal to a geophysical anomaly. Trench #15 exposed a narrow contorted sulphide rich iron formation. The nature and appearance of the iron formation suggested that the unit was drag folded and faulted northward. The iron formation north of the shaft apparently strikes east-west. The attitude of the formation would coincide with the attitude of geophysical anomaly; Zone G. Sample results from the iron formation returned gold values up to 40 ppb.

Map 6: **Quartz/Carbonate Zone**

Refer to map pocket 2 for detailed information on map #6.

The purpose of trench 16 was to explain the unidentified drill hole and to locate a previous gold value of 0.09 ounces/ton in one of several old trenches.

The stripping program exposed an east-west trending, north dipping quartz/carbonate zone for a distance of approximately 45 feet. The hangingwall contact was associated with a 7 foot wide, quartz vein. Alteration products within the vein include chlorite, sericite,

tourmaline and pyrite. Bedrock depth negated the exposure of the footwall contact. Sample results from the quartz vein yielded values up to 274 ppb gold. The unidentified drill hole and previous gold value was, in all probability, the result of the east-west trending quartz/carbonate zone.

South of the quartz/carbonate zone the stripping program exposed a narrow, isolated quartz veinlet associated within a intermediate volcanic. Sporadic chalcopyrite `patches' occurred at the quartz veinlet/intermediate volcanic contact. A quartz/chalcopyrite sample yielded a value of 1060 ppm copper.

E) Other Areas of Interest

Table 1 outlines other areas of interest within the property where swampy conditions hindered the overburden stripping program to reach bedrock conditions.

TABLE 1: Other Areas of Interest

	Location	Comments
1.	18E/6S to 30E/1S	Geophysical Zone E: 2 test pits were unsuccessful in reaching bedrock. A weak zone was defined by the VLF and HLEM survey. The zone is defined as a low priority drill target.
2.	14E/10N to 18E/10N	Geophysical Zone F: A strong HLEM target corresponded to a strong magnetic signature. The zone was exposed in 1936 by previous owners through a trenching, blasting, shaft sinking and diamond drilling

program. Conflicting drilling results yielded values up to $18/ton over 5 feet. Surface sampling in the present study yielded values up to 38 ppb gold. The zone is interpreted to be a narrow, east-west trending lenticular iron formation.

CONCLUSIONS AND OBSERVATIONS

1. Previous owners of the property identified several areas in need of further study.
2. The present geological and geophysical program on the property outlined a number of anomalous stratigraphic signatures worthy of surface exposure by overburden removal methods.
3. The low priority target areas defined by the present program are:
   a) Carbonate Zone
   b) Sulphide Rich Shear Zone
   c) Shaft Zone
   d) Quartz Carbonate Zone
   e) Geophysical Zone E & F
4. The high priority target areas defined by the present program are:
   a) Geophysical Zone D:
      This zone could not be explained by the present study. The zone is interpreted to be a legitimate bedrock zone associated with strong conductivity (15 MHOS) and minor alteration.
   b) Daxl Float Zone:
      Several pieces of quartz-rich carbonate float material yielded gold values up to 6,030 ppb. The

float dispersal area striked approximately north-south and was spread over a distance of 1,100 feet. This area overlaid 2 Geophysical Zones; Zone A & C. Correlation between the geophysical conductors and the carbonate float could not be explained as swampy terrain negated overburden removal methods.

RECOMMENDATIONS

Based on the successful results of this OMIP study, the property should be retained and kept in good standing. A follow-up exploration program is justified and recommended. This program should pay special attention to the 2 high priority targets; the Geophysical Zone D and the Daxl Float Zone. Additional detailed geophysics would be necessary over these 2 areas. This would further delineate the exact location and depth of the conductors. Diamond drilling would then be necessary on both high priority areas for the purpose of determining the cause of the geophysical conductors.

The successful completion of this diamond drilling program could enhance the property for further exploratory drilling.

DECLARATION

I, Kenneth Lapierre, of the city of Timmins, Province of Ontario, Cananda, do state:

1) That I am a practising Consultant Geologist with an office at Suite 17-Hollinger Building, 637 Algonquin Blvd. E., Timmins, Ontario, and that my mailing address is P.O.Box 1021, Timmins, Ontario, P4N 7H6.

2) That I am a graduate with the degree of Honours Bachelor of Sciene majoring in Geology from the University of Western Ontario, London, Ontario, Canada.

3) That I have practised my profession as Consultant Geologist since my graduation from The University of Western Ontario in 1983.

4) That I am a Fellow of The Geological Association of Canada, and member of the Prospectors and Developers Association of Canada.

5) That I am familiar with the material in this report, having examined the material myself.

Dated this 20th day of November 1992, Timmins, Ontario.

GEOLOGICAL ASSOCIATION OF CANADA
K. Lapierre
F447
FELLOW

Ken Lapierre BSc. FGAC.
Consultant Geologist

BIBLIOGRAPHY

Assessment Office, Ministry of Northern Development and Mines Timmins, Ontario Branch: T-762, T-2530, T-2539, T-2647,

Grant, J., 1992: OMIP Summary Report On The Delwood Property Deloro Township Porcupine Mining Division Timmins, Ontario. Unpublished report. 7 p.

Grant, J., 1992: Geophysical Report For R. Collins Exploration On The Delwood Property, Deloro Township Porcupine Mining Division Timmins, Ontario. Unpublished report.

Pyke, D.R., 1982: Geology of the Timmins Area, District of Cochrane; Ontario Geological Survey Report 219, 141 p. Accompanied by Map 2455, Scale 1:50 000, 3 Charts, and 1 Sheet Microfishe.

APPENDIX I

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Lapierre Exploration Services
Box 1021
Timmins, Ontario
P4N 7H6

September 21 92

Work Order # : 920326
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
259660	HD 101	7	<0.001	
259661	HD 102	9	<0.001	
259662	HD 103	9	<0.001	
259662	HD 103	9	<0.001	Check

Per: F. Duncan

LF-30

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AF186

Certificate of Analysis

Lapierre Exploration Services
Box 1021
Timmins, Ontario
P4N 7H6

September 24 92

Work Order # : 920332
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
259846	HD104	6	<0.001	
259846	HD104	9	<0.001	Check

Per: L. Duncan

LF-30

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Lapierre Exploration Services
Box 1021
Timmins, Ontario
P4N 7H6

September 30, 1992

Work Order # 920332A

CYANIDE LEACH
GOLD

SAMPLE NUMBERS	Sample Wt. (g)	Solution CN Leach Oz/T	Residue Oz/T	Total Assay Oz/T	% Recovery
HD 105	2418	<0.004	<0.002	<0.004	--

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Per: F. Duncan

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P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

October 14 92

Work Order # : 920359
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	Platinum ppb	Palladium ppb	
260308	HD109	<5	<0.001	<15	<10	
260308	HD109	<5	<0.001	<15	<10	Check

Per: F. Duncan

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October 20 92

Work Order # : 920359
Project :

SAMPLE NUMBERS		Silver	Copper	Nickel	Lead	Zinc
Accurassay	Customer	ppm	ppm	ppm	ppm	ppm
260308	HD109	2	36	30	76	80

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Per: G. Duncan

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TIMMINS, Ontario
P4N 7H6

October 6 92

Work Order # : 920358
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
260298	HD106	<5	<0.001	
260299	HD107	<5	<0.001	
260300	HD108	5	<0.001	
260301	HD110	<5	<0.001	
260302	HD111	<5	<0.001	
260303	HD112	18	0.001	
260304	HD113	<5	<0.001	
260305	HD114	<5	<0.001	
260306	HD115	<5	<0.001	
260307	HD116	<5	<0.001	
260307	HD116	<5	<0.001	Check

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Per: G. Duncan

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Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

October 13 92

Work Order # : 920369
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
260690	HD 117	<5	<0.001	
260691	HD 118	<5	<0.001	
260692	HD 119	7	<0.001	
260693	HD 120	<5	<0.001	
260694	HD 121	<5	<0.001	
260695	HD 122	<5	<0.001	
260696	HD 123	32	0.001	
260697	HD 124	<5	<0.001	
260698	HD 125	<5	<0.001	
260699	HD 126	<5	<0.001	
260699	HD 126	<5	<0.001	Check
260700	HD 127	<5	<0.001	
260701	HD 128	7	<0.001	
260702	HD 129	<5	<0.001	
260703	HD 130	<5	<0.001	
260704	HD 132	5	<0.001	
260705	HD 133	<5	<0.001	
260706	HD 135	<5	<0.001	
260707	HD 136	<5	<0.001	
260708	HD 137	<5	<0.001	
260708	HD 137	<5	<0.001	Check
260709	HD 138	<5	<0.001	
260710	HD 139	<5	<0.001	
260711	HD 140	20	0.001	
260712	HD 141	130	0.004	
260712	HD 141	67	0.002	Check

LF-30

Per: _____

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Certificate of Analysis

Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

October 14 92

Work Order # : 920370
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	Platinum ppb	Palladium ppb	
260713	HD 131	<5	<0.001	<15	<10	
260714	HD 134	<5	<0.001	<15	<10	
260715	HD 142	<5	<0.001	<15	11	
260716	HD 143	<5	<0.001	<15	<10	
260717	HD 144	9	<0.001	<15	<10	
260718	HD 145	3103	0.090	<15	<10	
0719	HD 146	5	<0.001	<15	<10	
260719	HD 146	<5	<0.001	<15	<10	Check

LF-30

Per: G. Duncan

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President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

November 16, 1992

Work Order #: 920370

SAMPLE NUMBERS		Orig.	Reassay	Reassay
		Gold	Orig. pulp	Reject
Accurassay	Customer	ppb	Gold ppb	Gold ppb
260718	HD 145	3103	1891	220
			6030	247

F-30

Per: F. Duncan

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

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Certificate of Analysis

Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

October 21 92

Work Order # : 920384
Project :

SAMPLE NUMBERS :curassay	Customer	Gold ppb	Gold Oz/T	
›0965	HD 147	10	<0.001	
›0966	HD 148	<5	<0.001	
›0967	HD 149	178	0.005	
›0968	HD 150	193	0.006	
›0969	HD 153	306	0.009	
›0970	HD 154	6	<0.001	
›0971	HD 155	32	0.001	
›C 2	HD 156	<5	<0.001	
›0973	HD 157	<5	<0.001	
›0974	HD 158	5	<0.001	
›0974	HD 158	<5	<0.001	Check

30

Per: G. Duncan

ORIGINAL

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TEL.: (705) 567-3361

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Certificate of Analysis

Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

October 28 92

Work Order # : 920397
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
261063	HD-159	6	<0.001	
261064	HD-160	1205	0.035	
261065	HD-161	5	<0.001	
261066	HD-162	38	0.001	
261067	HD-163	24	0.001	
261068	HD-164	<5	<0.001	
261069	HD-165	<5	<0.001	
261070	HD-166	<5	<0.001	
261071	HD-167	<5	<0.001	
261071	HD-167	<5	<0.001	Check

LF-30

Per: F. Duncan

ORIGINAL

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Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

November 3 92

Work Order # : 920405
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
261177	HD-168	93	0.003	
261178	HD-169	<5	<0.001	
261179	HD-170	14	<0.001	
261180	HD-171	<5	<0.001	
261181	HD-172	623	0.018	
261182	HD-173	<5	<0.001	
261183	HD-174	<5	<0.001	
261183	HD-174	<5	<0.001	Check

LF-30

Per: F. Duncan

ORIGINAL

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Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

November 3 92

Work Order # : 920406
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
261184	HD-175	<5	<0.001	
261185	HD-176	<5	<0.001	
261186	HD-177	6	<0.001	
261187	HD-178	9	<0.001	
261188	HD-179	27	0.001	
61188	HD-179	Insufficient	sample	Check

LF-30

Per: F. Duncan

ORIGINAL

ACCURASSAY LABORATORIES

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BOX 426
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TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

November 4, 1992

Work Order #: 920370

SAMPLE NUMBER	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %
HD-142	44.53	5.45	12.40	23.98	6.13

SAMPLE NUMBER	Na2O %	K2O %	P2O5 %	TiO2 %	MnO %
HD-142	0.15	0.01	0.180	0.406	0.128

SAMPLE NUMBER	BaO %	Cr2O3 %	SrO %	LOI %	TOTAL %
HD-142	0.006	0.519	0.001	5.8	99.7

LF-30

Per: G. Duncan

ORIGINAL

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TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Lapierre Exploration Services
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

Page #1

November 4, 1992

Work Order #: 920370

SAMPLE NUMBER	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
HD-142	1	52	8	46	0.6	654

SAMPLE NUMBER	Co ppm	Mn ppm	Fe %	As ppm	Au ppm	Hg ppm
HD-142	62	299	5.17	72	<3	<3

SAMPLE NUMBER	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %
HD-142	3	<1	12	<3	80	0.20

SAMPLE NUMBER	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %
HD-142	0.02	<1	1099	5.65	23	0.02

SAMPLE NUMBER	Al %	Na %	Si %	W ppm	Be ppm
HD-142	2.34	0.01	<0.01	3	2

LF-30

Per: G. Duncan

ORIGINAL

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Certificate of Analysis

Lappirre Exploration Servic
P.O. Box 1021
TIMMINS, Ontario
P4N 7H6

November 2, 1992

Work Order # : 920358

SAMPLE NUMBERS		SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %
Accurassay	Customer					
260299	HD 107	61.12	2.19	5.13	5.35	11.11
260306	HD 115	48.93	12.51	10.91	10.80	4.35

SAMPLE NUMBERS		Na2O %	K2O %	P2O5 %	TiO2 %	MnO %
Accurassay	Customer					
260299	HD 107	0.09	0.61	0.130	0.076	0.124
260306	HD 115	1.25	0.38	0.140	0.118	0.009

SAMPLE NUMBERS		BaO %	Cr2O3 %	SrO %	LOI %	TOTAL %
Accurassay	Customer					
260299	HD 107	0.012	0.058	0.008	6.3	92.3
260306	HD 115	0.009	0.156	0.004	8.7	98.7

LF-30

Per: F. Duncan

ORIGINAL

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Certificat/Certificate

2R-1806-RA1

Comp: KEN LAPIERRE
Proj: DELWOOD
Attn:

Date: OCT-26-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-20-92

No. D'Echantillon / Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AU g/tonne	AU CH'KS g/tonne	AU CH'KS g/tonne
# 1	274					
# 2	445					
# 3	411					
# 4	103					
# 5	206					
# 6	274					
# 7	149					
# 8	206					
# 9	240					
# 10	171					
# 11	34					
# 12	480					
# 13	274					
# 14	*			1.03	1.03	1.03
# 15	*			0.62		
# 16	309	294	323			
# 17	274					
# 18	516					
# 19	309					
# 20	96					
# 21	*			0.58		
# 22	121					

Certifie par/Certified by _____

J.J. Landers

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Certificat/Certificate

2R-1806-RA2

Comp: KEN LAPIERRE
Proj: DELWOOD
Attn:

Date: OCT-26-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-20-92

No. D'Echantillon Sample Number	AU PPB	AU CH'KS PPB	AU CH'KS PPB	AU G/TONNE	AU CH'KS G/TONNE	AU CH'KS G/TONNE
# 23	222					
# 24	301					
# 25	359	350	367			
# 26	341					
# 27	203					
# 28	99					
# 29	321					
# 30	549					
# 31	153					
# 32	191					
# 33	234					
# 34	309					
# 35	86					
# 36	*			1.25	1.23	1.27
# 37	207					
# 38	446					
# 39	83					
# 40	299					
# 41	243					
# 42	151					
# 43	200					
# 44	327					

Certifie par/Certified by _____

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Certificat/Certificate

2R-1806-RA3

Comp: **KEN LAPIERRE**
Proj: DELWOOD
Attn:

Date: OCT-26-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-20-92

No. D'Echantillon Sample Number	AU PPB
# 45	36
# 46	82
# 47	160
# 48	95
# 49	255
# 50	225
# 51	530
# 52	487
# 53	50
# 54	253
# 55	99
# 56	10
# 57	8
# 58	16
# 59	72
# 60	42
# 61	38
# 62	42
# 63	40

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Certificat/Certificate

2R-1842-RA1

Comp: **KEN LAPIERRE**
Proj:
Attn:

Date: OCT-27-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-26-92

No. D'Echantillon Sample Number	AU G/TONNE
# 64	0.89
# 65	0.45
# 66	0.55
# 67	1.23

Certifie par/Certified by _____

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Certificat/Certificate

2R-1842-RA1

Comp: **KEN LAPIERRE**
Proj:
Attn:

Date: OCT-27-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: OCT-26-92

No. D'Echantillon Sample Number	AU G/TONNE
# 64	0.89
# 65	0.45
# 66	0.55
# 67	1.23

Certifie par/Certified by

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Certificat/Certificate

2R-1997-RG1

Comp: KEN LAPIERRE
Proj:
Attn:

Date: NOV-26-92

Nombre D'Echantillons/No. of Samples:
Soumis le/Submitted: NOV-19-92

No. D'Echantillon / Sample Number	AU PPB	AG PPM	CU PPM
68	41		
69	40		
70	26		
71	104		
72	24		
73	100	0.3	1060
74	118		
75	274		
76	49		
77	40		
78	22		
79	23		
80	16		

L 20+00W | L 18+00W | L 16+00W | L 14+00W | L 12+00W | L 10+00W | L 8+00W | L 6+00W | L 4+00W | L 2+00W | L 0+00 | L 2+00E | L 4+00E | L 6+00E | L 8+00E | L 10+00E | L 12+00E | L 14+00E | L 16+00E | L 18+00E | L 20+00E | L 22+00E | L 24+00E | L 26+00E | L 28+00E | L 30+00E

30+00N | 28+00N | 26+00N | 24+00N | 22+00N | 20+00N | 18+00N | 16+00N | 14+00N | 12+00N | 10+00N | 8+00N | 6+00N | 4+00N | 2+00N | 0+00 | 2+00S | 4+00S | 6+00S | 8+00S | 10+00S | 12+00S | 14+00S | 16+00S | 18+00S | 20+00S

LEGEND

ROCK UNITS

A	Medium - green volcanic (Andesite??)
D	Pale - white volcanic (Dacite ?)
B	Medium - gray volcanic (Basalt ?)
G	Gabbro (green and pale-white grains < 2mm)
C	Carbonitized (ochre crust)
M	Magnetic
X	Brecciated (mostly crackled)
Q	Quartz veins or stockwork
F	Fuchsite - mariposite (?) streaks
DU	Dunite (dark aphanitic)
P	Pyroxenite (gray, medium grained)
U	Ultramafic rock (gray, chilled ?)
TU	Very talcose ultramafic (non-magnetic)

SYMBOLS

- Coniferous forest (flat)
- Mixed forest
- Swamp with cedar and larch
- Alders (flat)
- Swamp without trees
- Open waters
- Vegetation or swamp boundaries
- Geological contact (abrupt, probable, assumed)
- Slope down, degrees or drop in meters
- Cliff (2-5m)
- Outcrop
- Stripped 1992 (see detail maps)
- Old trench (< 1m deep, or as noted)
- Old shaft (estimated depth)
- Old drill hole casing, diameter and plunge
- Old grid picket
- Claim Post and claim line (C.L.)
- Trail
- Gravel road
- Shear zone (strike, dip)
- Cleavage

SAMPLES

(HD 101 to 178, all 30g F.A. for gold)

- 1205 Au — ppb gold(noted only if >10ppb, 16 of 76)
- x160.b.CXD — Sample HD 160, location and details
- 166 — Sample HD 166, of trench or shaft rubble
- .b Boulder
- .f Fuchsite - mariposite (?) streaks
- .Q Quartz vein including <25% wall rock
- .q(c) Quartz (carbonate) veinlets
- .py Pyrite
- .mt Magnetite
- .cp Chalcopyrite
- .hm Hematite
- .sl Sphalerite

BOYD LAKE

1182860

1182861

1182859

Map #1

Map #2

Map #3

Map #4

Map #5

Map #6

TL 23+60N

BL 0

BL 10S

GRAVEL ROAD

CABLES OF H.O. POWER LINE

TRAIL

Old 450S 519 E

SCALE : 1:2400

0 200 400 600 Feet

LAPIERRE EXPLORATION SERVICES INC.
P.O. Box 1031, P4N 7H6
Suite 17, Hollinger Bldg. Timmins, Ontario
Telephone: 705 267-7369

CLIENT: R. COLLINS EXPLORATION

PROPERTY: DELWOOD PROPERTY, DELORO TWP.

TITLE: GEOLOGY MAP

DATE: Nov. 1992 | SCALE: 1"=200'

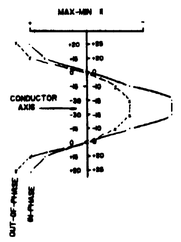
DRAWN: P.G. | INTERP.: Hermann Daxl

Geological Association of Canada — Ivan LaPierre — Fellow

200

LEGEND

INSTRUMENT: Apex Parametrics Max-Min II
SURVEY: Maximum Coupled, Horizontal Loop Survey
PARAMETERS MEASURED: In-phase (%)
Out of phase (%)
FREQUENCY: 444 Hz
STATION INTERVAL: 500'
OPERATOR: P. D. Laforest
PROFILE SCALE: 1cm=20%



L 0+00 L 2+00E L 4+00E L 6+00E L 8+00E L 10+00E L 12+00E L 14+00E L 16+00E L 18+00E L 20+00E L 22+00E L 24+00E L 26+00E L 28+00E L 30+00E

24+00N
TL 23+60N
20+00N
16+00N
12+00N
8+00N
4+00N
BL 0+00
4+00S
8+00S
TL 10+00S
12+00S
16+00S
20+00S

L 20+00W L 18+00W L 16+00W L 14+00W L 12+00W L 10+00W L 8+00W L 6+00W L 4+00W L 2+00W

BOYD LAKE
Pond
I182860 (4 units)
I182861
I182859 (3 units)
A A' B B' C D E F G G'
10 MHOS -85m
10 MHOS -75m
15 MHOS -90m
7 MHOS -57m
4 MHOS -55m
5 MHOS -39m

N

0 200 300 400
SCALE (feet)

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

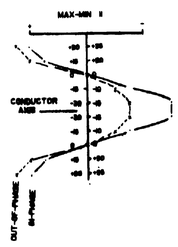
CLIENT: R. COLLINS EXPLORATION
PROPERTY: DELORO TOWNSHIP
TITLE: MAX-MIN II 444 Hz

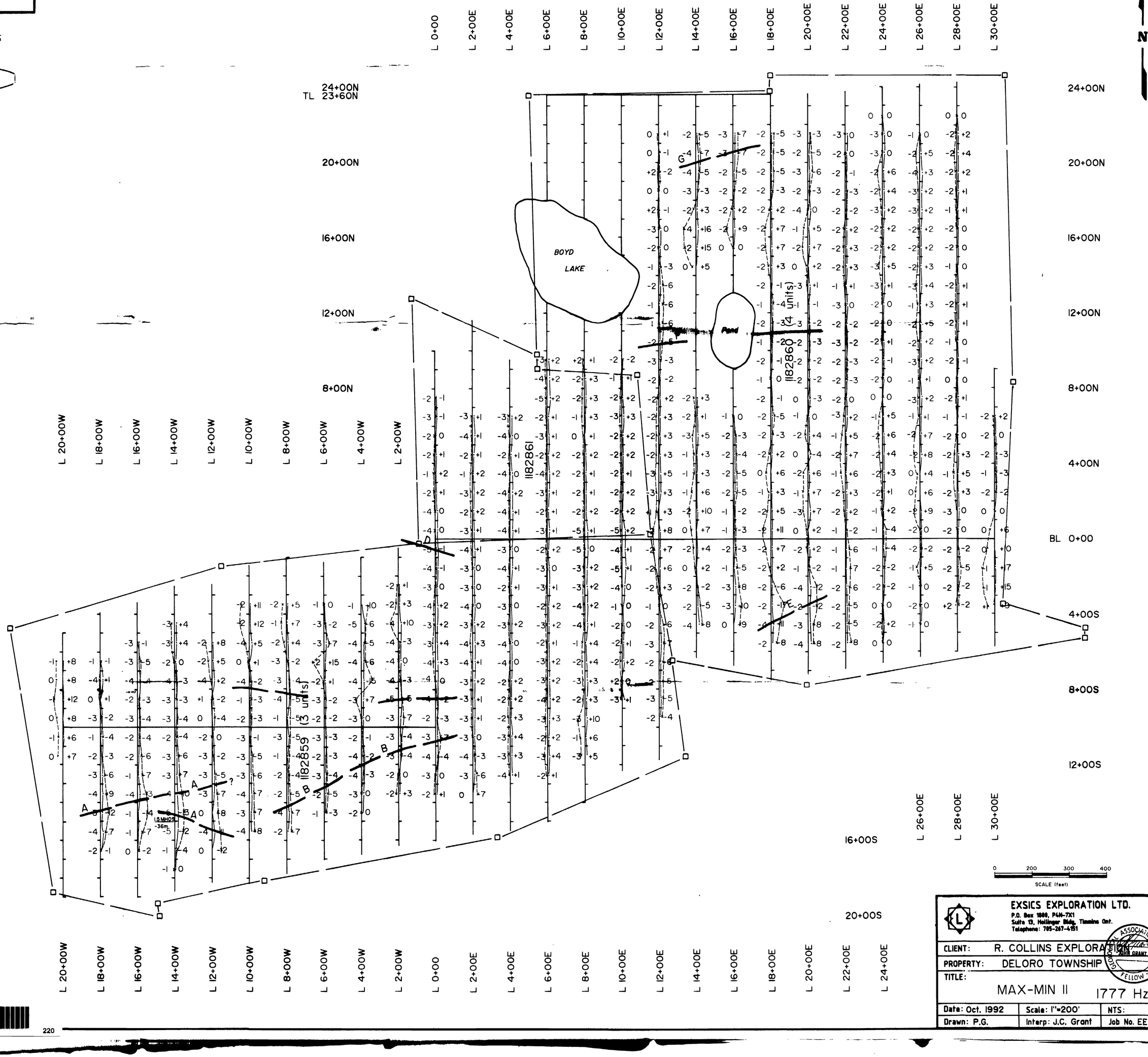
Date: Oct. 1992	Scale: 1"=200'	NTS:
Drawn: P.G.	Interp: J.C. Grant	Job No. EE-587

GEOLOGICAL ASSOCIATION OF CANADA JOHN GRANT FELLOW

LEGEND

INSTRUMENT: Apex Parametrics Max-Min II
Horizontal Coupled, Horizontal Loop Survey
MEASUREMENTS: In-phase (%)
Out of phase (%)
FREQUENCY: 1777 Hz
STATION INTERVAL: 500'
OPERATOR: D. Laforest
PROFILE SCALE: 1cm=20%





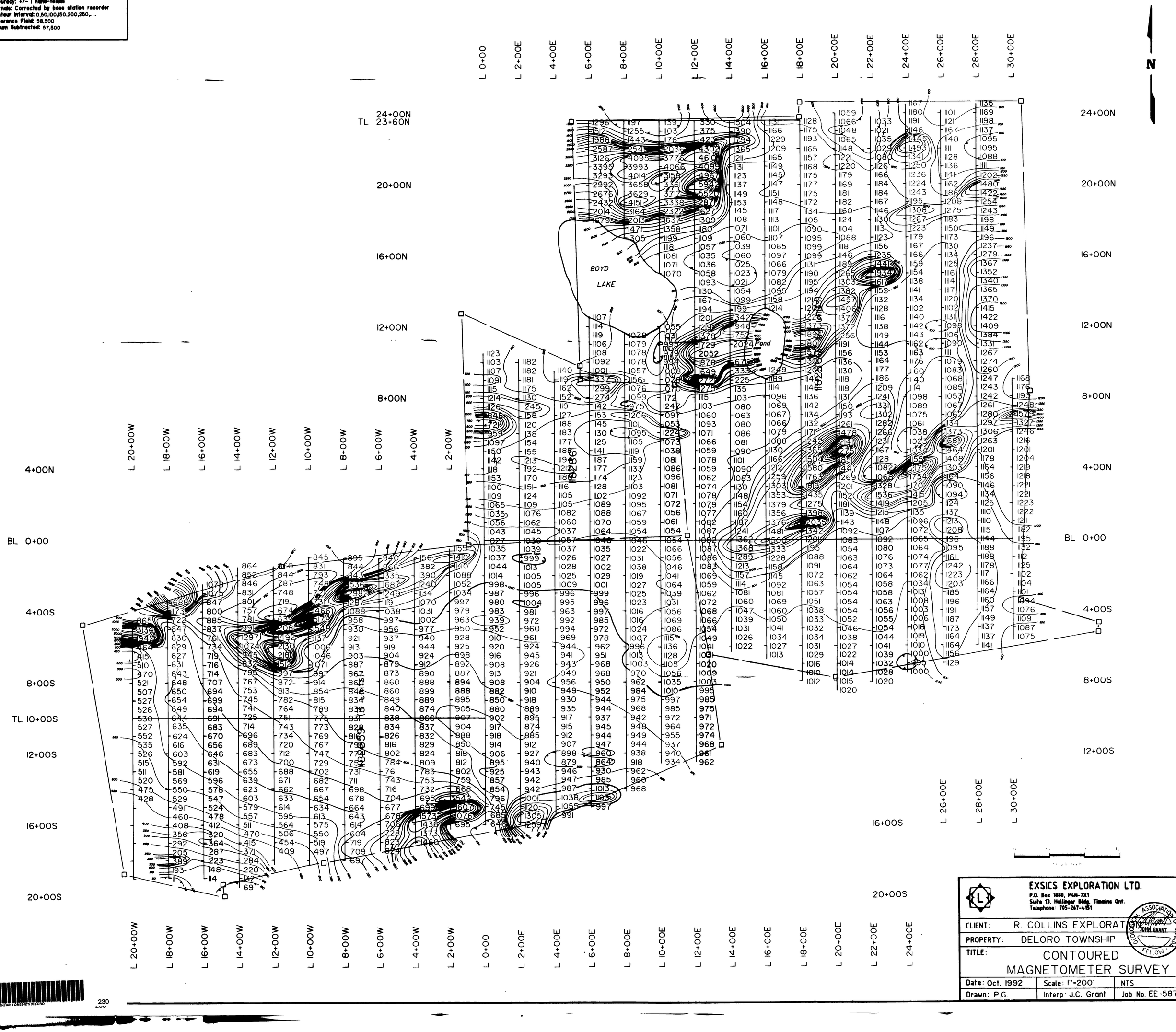
EXSICS EXPLORATION LTD.	
P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151	
CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELORO TOWNSHIP
TITLE:	MAX-MIN II 1777 Hz
Date: Oct. 1992	Scale: 1"=200' / NTS:
Drawn: P.G.	Interp: J.C. Grant / Job No. EE-587

GEOPHYSICAL ASSOCIATION OF CANADA
J.C. GRANT
FELLOW

220

LEGEND

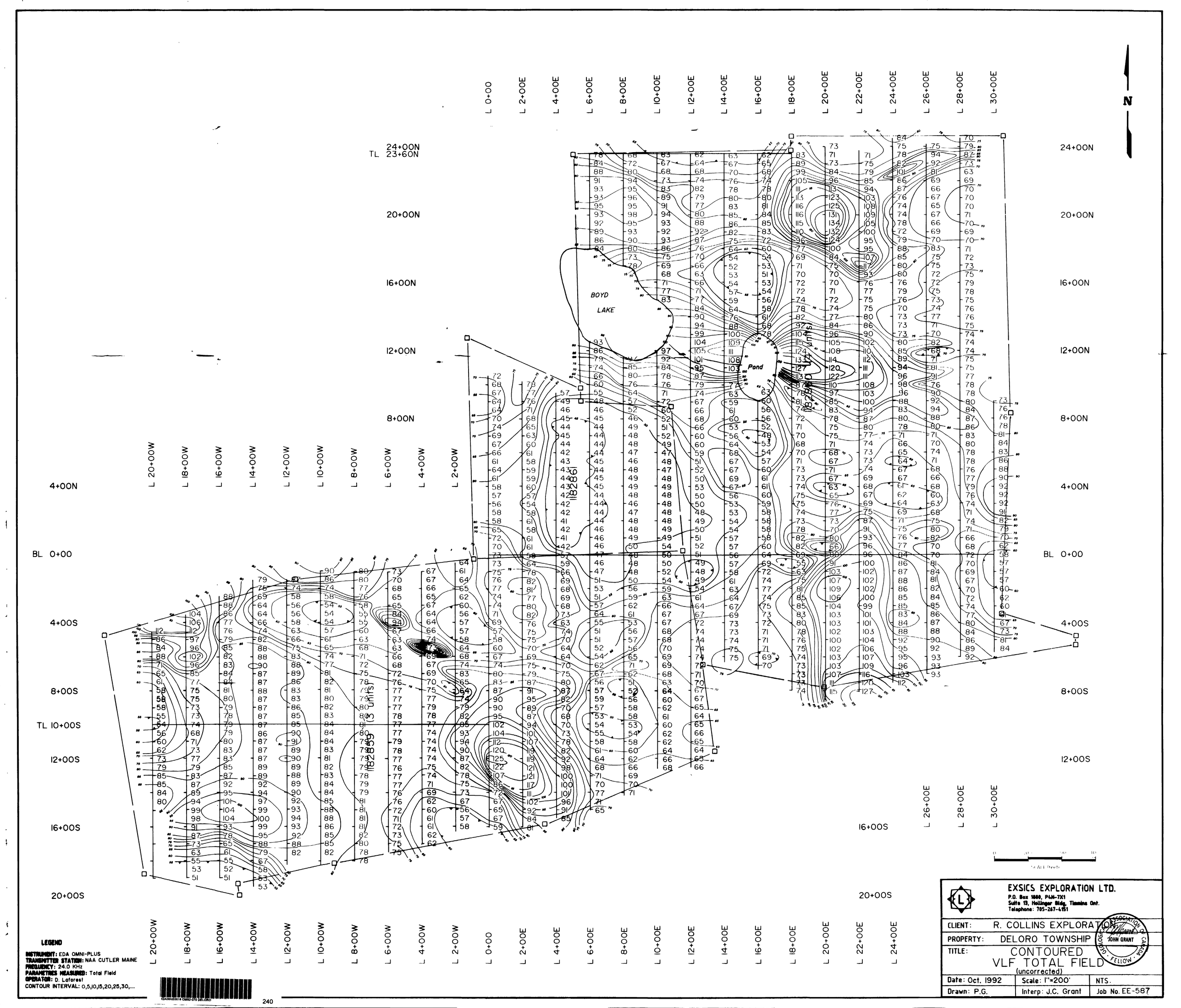
Instrument: EDA OMNI-IV
Parametres Measured: Earth's total magnetic field
Accuracy: +/- 1 nano-tesles
Diurnals: Corrected by base station recorder
Contour Interval: 0,50,100,150,200,250,....
Reference Field: 56,500
Datum Subtracted: 57,500



CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELORO TOWNSHIP
TITLE:	CONTOURED MAGNETOMETER SURVEY
Date: Oct. 1992	Scale: 1"=200' / NTS.
Drawn: P.G.	Interp: J.C. Grant / Job No. EE-587

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

ASSOCIATION OF CANADA — JOHN GRANT — FELLOW



LEGEND

INSTRUMENT: EDA OMNI-PLUS
TRANSMITTER STATION: NAA CUTLER MAINE
FREQUENCY: 24.0 KHz
PARAMETERS MEASURED: Total Field
OPERATOR: D. Laforest
CONTOUR INTERVAL: 0,5,10,15,20,25,30,....

EXSICS EXPLORATION LTD.		
P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-6151		
CLIENT:	R. COLLINS EXPLORATION	
PROPERTY:	DELORO TOWNSHIP	
TITLE:	CONTOURED VLF TOTAL FIELD (uncorrected)	
Date: Oct. 1992	Scale: 1"=200'	NTS.
Drawn: P.G.	Interp: J.C. Grant	Job No. EE-587

JOHN GRANT ASSOCIATION OF CANADA FELLOW

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LEGEND

INSTRUMENT: EDA OMNI-PLUS
TRANSMITTER STATION: NAA CUTLER MAINE
FREQUENCY: 24.0 KHz
VALUES FILTERED: INPHASE DIP-ANGLE
OPERATOR: D. Laforest
CONTOUR INTERVAL: 0,5,10,15,20,25,30,.....

N

L 0+00 L 2+00E L 4+00E L 6+00E L 8+00E L 10+00E L 12+00E L 14+00E L 16+00E L 18+00E L 20+00E L 22+00E L 24+00E L 26+00E L 28+00E L 30+00E

L 20+00W L 18+00W L 16+00W L 14+00W L 12+00W L 10+00W L 8+00W L 6+00W L 4+00W L 2+00W

24+00N
TL 23+60N
20+00N
16+00N
12+00N
8+00N
4+00N
BL 0+00
4+00S
8+00S
TL 10+00S
12+00S
16+00S
20+00S

BOYD LAKE

Pond

Units

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

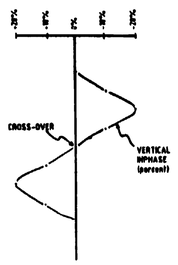
CLIENT: R. COLLINS EXPLORATION
PROPERTY: DELORO TOWNSHIP
TITLE: FRASER FILTERED VLF

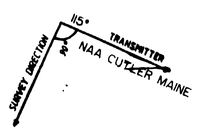
JOHN GRANT ASSOCIATE GEOPHYSICIST CANADA FELLOW

Date: Oct. 1992	Scale: 1"=200'	NTS:
Drawn: P.G.	Interp: J.C. Grant	Job No. EE-587

LEGEND

INSTRUMENT: EDA OMNI-PLUS
TRANSMITTER STATION: NAA CUTLER MAINE
FREQUENCY: 24.0 KHz
PARAMETERS MEASURED: Inphase Dip Angle
OPERATOR: D. Laforest
VERTICAL SCALE: 1cm=20%



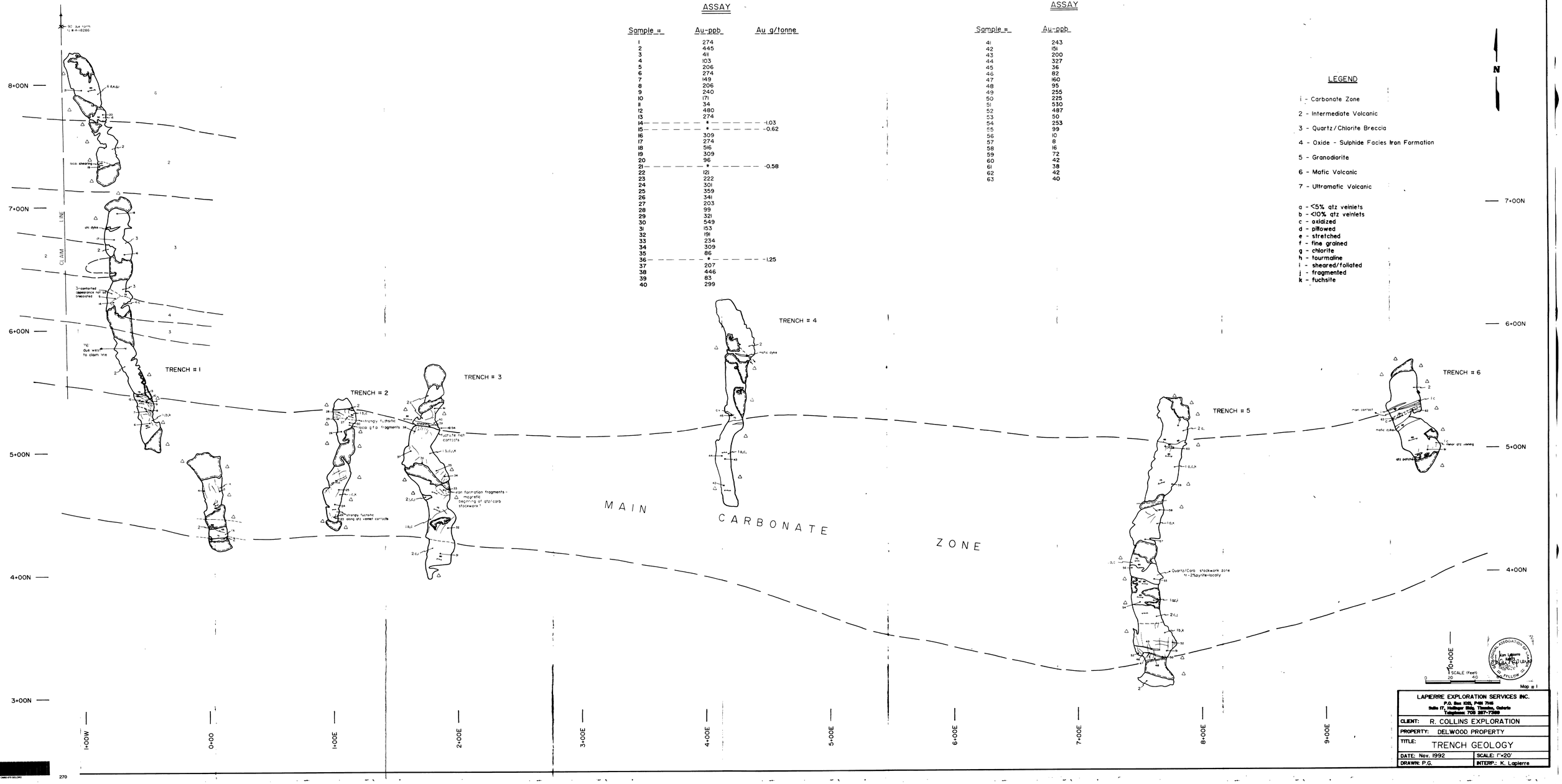


CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELORO TOWNSHIP
TITLE:	VLF DIP-ANGLE

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

JOHN GRANT · FELLOW · ASSOCIATION OF CANADA

Date: Oct. 1992	Scale: 1"=200'	NTS.
Drawn: P.G.	Interp: J.C. Grant	Job No. EE-587



ASSAY

Sample #	Au-ppb	Au g/tonne
1	274	
2	445	
3	411	
4	103	
5	206	
6	274	
7	149	
8	206	
9	240	
10	171	
11	34	
12	480	
13	274	
14	*	1.03
15	*	0.62
16	309	
17	274	
18	516	
19	309	
20	96	
21	*	0.58
22	121	
23	222	
24	301	
25	359	
26	341	
27	203	
28	99	
29	321	
30	549	
31	153	
32	191	
33	234	
34	309	
35	86	
36	*	1.25
37	207	
38	446	
39	83	
40	299	

ASSAY

Sample #	Au-ppb
41	243
42	151
43	200
44	327
45	36
46	82
47	160
48	95
49	255
50	225
51	530
52	487
53	50
54	253
55	99
56	10
57	8
58	16
59	72
60	42
61	38
62	42
63	40

LEGEND

1 - Carbonate Zone

2 - Intermediate Volcanic

3 - Quartz/Chlorite Breccia

4 - Oxide - Sulphide Facies Iron Formation

5 - Granodiorite

6 - Mafic Volcanic

7 - Ultramafic Volcanic

a - <5% qtz veinlets
b - <10% qtz veinlets
c - oxidized
d - pillowed
e - stretched
f - fine grained
g - chlorite
h - tourmaline
i - sheared/foliated
j - fragmented
k - fuchsite

Jan Lapierre 640 QUALIFIED PROSPECTOR MEMBER

LAPIERRE EXPLORATION SERVICES INC. P.O. Box 1028, PMB 7146 Stalls 17, Heritage Bldg. Thunder, Ontario Telephone: 705 267-7388	
CLIENT: R. COLLINS EXPLORATION	
PROPERTY: DELWOOD PROPERTY	
TITLE: TRENCH GEOLOGY	
DATE: Nov. 1992	SCALE: 1"=20'
DRAWN: P.G.	INTERP.: K. Lapierre

270

SAMPLE #	Au ppb	g/t
64		0.89
65		0.45
HD 145	3103,1891,6030, 180,220,247	
HD 146	5	
HD 147	10	
HD 148	<5	

4+20S
4+40S
4+60S
4+80S
5+00S
5+20S
5+40S
5+60S
5+80S
6+00S
6+20S
6+40S
6+60S
6+80S
7+00S
7+20S
7+40S
7+60S

HIGH RELIEF

TRENCH # 7

Ultramafic-peridotite
-dark green
-moderately magnetic
-fine grained
-fresh appearance
-trace pyrite

HD 145

Quartz/carbonate/breccia float
-up to 10% fine grained disseminated euhedral pyrite
-20% irregular trending quartz veinlets & veins
-fragments <6 inches
-highly carbonated
-oxidized
-height = 20'

64
65

no outcrop

N

280

old claim line

TRENCH # 8

old trench
HD 146
Quartz/carbonate/breccia float
old trench
old trench

TRENCH # 11

no outcrop

TRENCH # 10

no outcrop

HD 147

TRENCH # 9

HD 148

LOW RELIEF

SPRUCE SWAMP

LOW RELEIF

13+00W
12+80W
12+60W
12+40W
12+20W
12+00W
11+80W
11+60W
11+40W
11+20W
11+00W
10+80W

SCALE (feet) 0 20 40

Map # 2

LAPIERRE EXPLORATION SERVICES INC.
P.O. Box 1061, P4N 7H8
Suite 17, Heritage Bldg, Timmins, Ontario
Telephone 705 267-7969

CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELWOOD PROPERTY
TITLE:	TRENCH GEOLOGY
DATE: Nov. 1992	SCALE: 1"=20'
DRAWN: P.G.	INTERP.: K. Lapierre

9+00S
9+20S
9+40S
9+60S
9+80S
10+00S
10+20S
10+40S
10+60S
10+80S
11+00S
11+20S
11+40S
11+60S
11+80S
12+00S
12+20S
12+40S
12+60S
12+80S
13+00S
13+20S
13+40S

ASSAY

Sample #	Au ppb	Au G/Tonne
66		0.55
67		1.23
68	41	
69	40	
70	26	
71	104	
72	24	

TRENCH # 13

Intermediate Volcanic
fresh appearance
-green
hummocky
fine grained
-traces pyrite
-non carbonated

N

MODERATE RELIEF

POPLAR SPRUCE

POPLAR SPRUCE

POPLAR SPRUCE

Faymar road to old bush road

TRENCH # 12

partially snowcovered
contacts approximate

Intermediate Volcanic
- foliated, sheared
- green
- carbonated

Intermediate Volcanic
carbonated
fine grained

Intermediate Volcanic
sulphide rich
shear zone
foliated, blocky
20% irregular trending
quartz sulphide lenses
up to 24' wide
oxidized appearance

Intermediate Volcanic
green
fine grained
homogeneous
non carbonated

gravel road — Faymar Mines ± 1200

debris

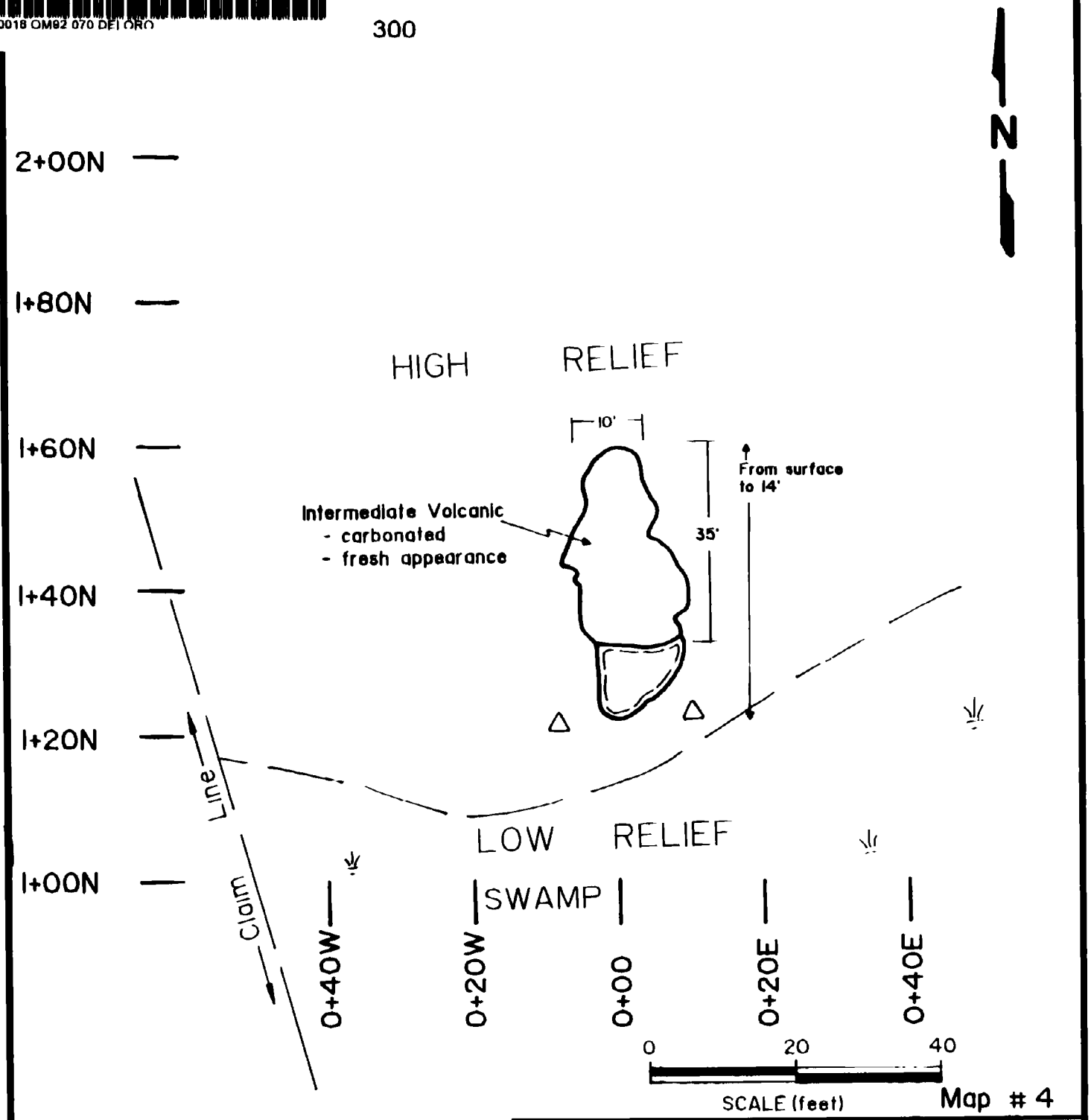
3+80E 4+00E 4+20E 4+40E 4+60E 4+80E 5+00E 5+20E 5+40E 5+60E 5+80E 6+00E

SCALE (feet)
0 20 40

Map # 3

LAPIERRE EXPLORATION SERVICES INC.
P O Box 1081, P4N 7H6
Suite 17, Hollinger Bldg. Timmins, Ontario
Telephone: 705 267-7389

CLIENT	R. COLLINS EXPLORATION
PROPERTY	DELWOOD PROPERTY
TITLE.	TRENCH GEOLOGY
DATE Nov 1992	SCALE: 1=20
DRAWN: P.G	INTERP.: K. Lapierre



Map # 4

LAPIERRE EXPLORATION SERVICES INC.
P.O. Box 1021, P4N 7H6
Suite 17, Hollinger Bldg. Timmins, Ontario
Telephone: 705 267-7389

CLIENT:	R. COLLINS EXPLORATION
PROPERTY:	DELWOOD PROPERTY
TITLE:	TRENCH GEOLOGY
DATE: Nov 1992	SCALE: 1"=20'
DRAWN: P G.	INTERP.: K Lapierre

24+00E | 24+20E | 24+40E | 24+60E | 24+80E | 25+00E | 25+20E

22+60N
22+40N
22+20N
22+00N
21+80N
21+60N
21+40N
21+20N
21+00N
20+80N
20+60N
20+40N
20+20N
20+00N

LOW

RELIEF

N

Quartz - Chlorite - Pyrite Breccia Zone
- magnetite bands
- Possible Iron Formation ? (mag high)

old trench
old trench
old trench
old trench
old trench
old trench

HD 175
HD 176

carbonate zone
carbonate zone

TRENCH # 15

80
79
78
77
HD 170

Shaft muck
Shaft ≃ 30' (based on rubble)
old bucket located

Quartz - Chlorite - Pyrite Breccia Zone (Possible Iron Formation)
- irregular contacts
- undetermined dip
- contacts approximate
- oxidized
- 5% - 15% pyrite/pyrrhotite mineralization

Intermediate Volcanic
- unaltered
- hummocky

ASSAY

Sample	Au ppb
77	40
78	22
79	23
80	16
HD 170	14
HD 175	< 5
HD 176	< 5

0 20 40
SCALE (feet)

Map # 5

LAPIERRE EXPLORATION SERVICES INC.
P.O. Box 1021, P4N 7H6
Suite 17, Hollinger Bldg, Timmins, Ontario
Telephone: 705 267-7389

CLIENT: R. COLLINS EXPLORATION
PROPERTY: DELWOOD PROPERTY
TITLE: TRENCH GEOLOGY
DATE: Nov 1992 | SCALE: 1"=20'
DRAWN: P G | INTERP.: K Lapierre

Ken LE... F44...

25+00E | 25+20E | 25+40E | 25+60E | 25+80E | 26+20E

19+80N
19+60N
19+40N
19+20N
19+00N
18+80N
18+60N
18+40N
18+20N
18+00N
17+80N
17+60N
17+40N
17+20N
17+00N

N

TRENCH #16

ASSAY

Sample #	Auppb	Agppm	Cuppm
73	100	0.3	1060
74	118		
75	274		
76	49		
HD 172	623		
HD 173	<5		

257/70

Intermediate Volcanic
-carbonate
-oxidized
-hummocky
-non foliated

80

AQ drill casing
due South ≃ 60° dip

old post
1-653282
4-653283

Intermediate Volcanic
-carbonate
-oxidized
-hummocky
-non foliated

Intermediate Volcanic

muck
HD172
HD173
75
74
76

Intermediate Volcanic
-green
-homogenous
-altered appearance

Quartz Vein
-tourmaline stringers
-trace ankerite
-chlorite stringers
-trace - 1% pyrite
associated with
chlorite / tourmaline
stringers

Carbonate Zone
-oxidized
-no fuchsite?
-under water

old trench
old trench
old trench
old trench

SPRUCE / POPLAR overgrowth

Quartz Veinlet
(chalcopyrite, malachite)
very localized

73

Intermediate Volcanic

old trench

0 20 40
SCALE (feet)

Map # 6

LAPIERRE EXPLORATION SERVICES INC.
P O Box 1021, P4N 7H6
Suite 17, Hollinger Bldg. Timmins, Ontario
Telephone: 705 267-7389

CLIENT: R. COLLINS EXPLORATION	
PROPERTY: DELWOOD PROPERTY	
TITLE: TRENCH GEOLOGY	
DATE. Nov 1992	SCALE: 1"=20'
DRAWN: P G	INTERP.: K Lapierre

320