



42A06NW1155 2.13710 DELORO

010

SUMMARY REPORT
OF THE
STRIPPING/WASHING PROGRAM
ON THE
COLLIN/GRANT/LAPIERRE PROPERTY
DELORO TOWNSHIP
PORCUPINE MINING DISTRICT
OPAP # 90-124, #90-125, #90-126

RECEIVED

NOV 30 1990

MINING LANDS SECTION

2.13710

September 30, 1990

Ken Lapierre, HBSc

LAPIERRE EXPLORATION SERVICES INC.

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

(705) 267-7389

INTRODUCTION:

At the request of John Grant and Yvon Collin, this report was prepared for the purpose of:

- 1) Satisfying OPAP Regulations
- 2) Highlighting the historical and geological setting of the claim group.
- 3) Determining if any anomalous areas can be defined within the stripped areas.
- 4) Determining if the results and observations justify continued exploration of the property.

Sources of information contained in this report were obtained from Ministry of Northern Development and Mines assessment files, consultants reports, supervision of the present program, as well as mapping and sampling of the stripped/washed areas of the 1990 OPAP study.

PROPERTY: LOCATION AND DESCRIPTION

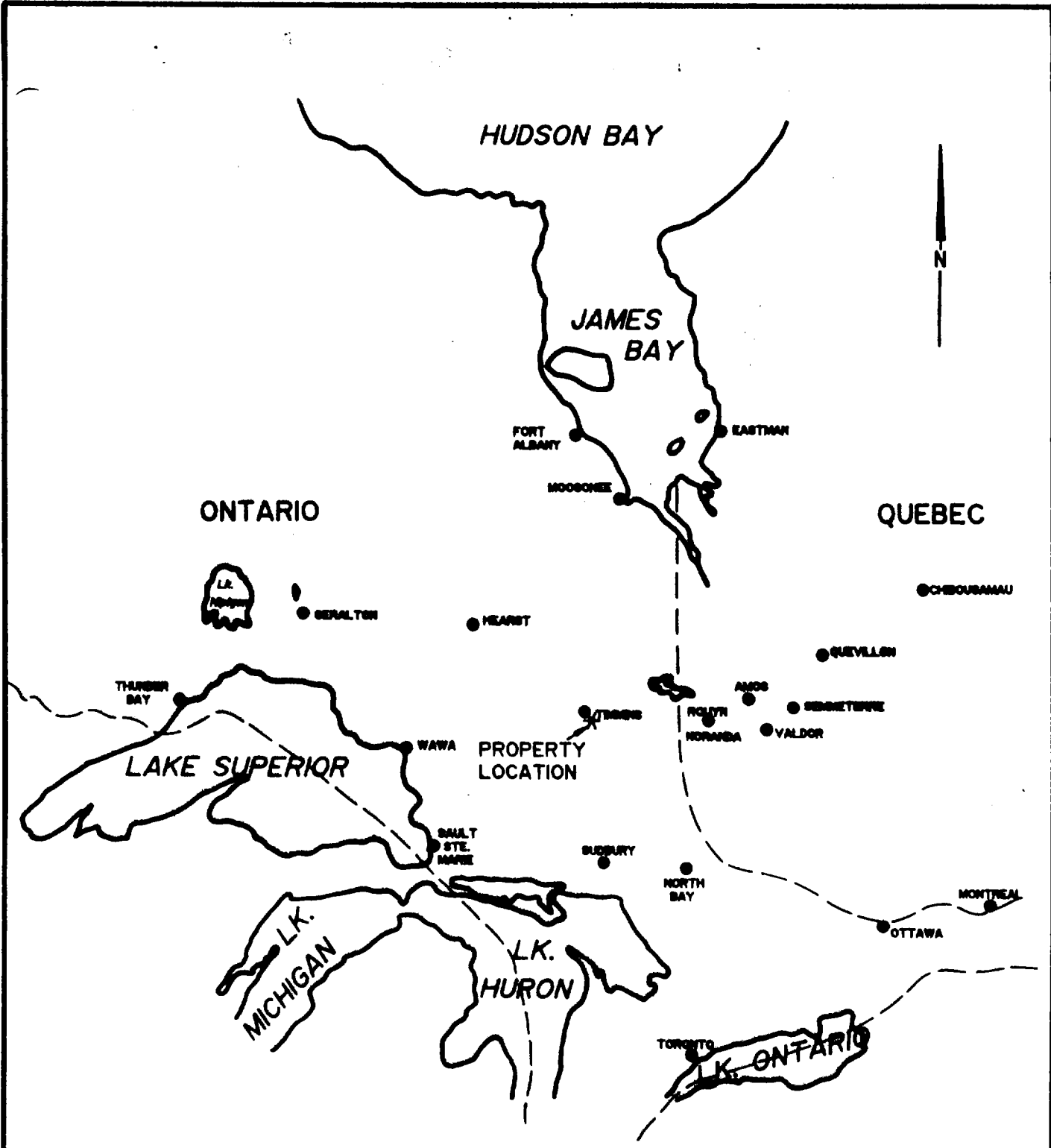
The property is comprised of 5 unpatented mining claims located in the central portion of Deloro Township, Porcupine Mining Division, District of Cochrane, Ontario, Canada (Figures 1 & 2).


The claim numbers for the claim block under consideration for this OPAP study are P-1130965, P-1130966, P-1130967, P-1131000 and P-1131001 (Figure 3).

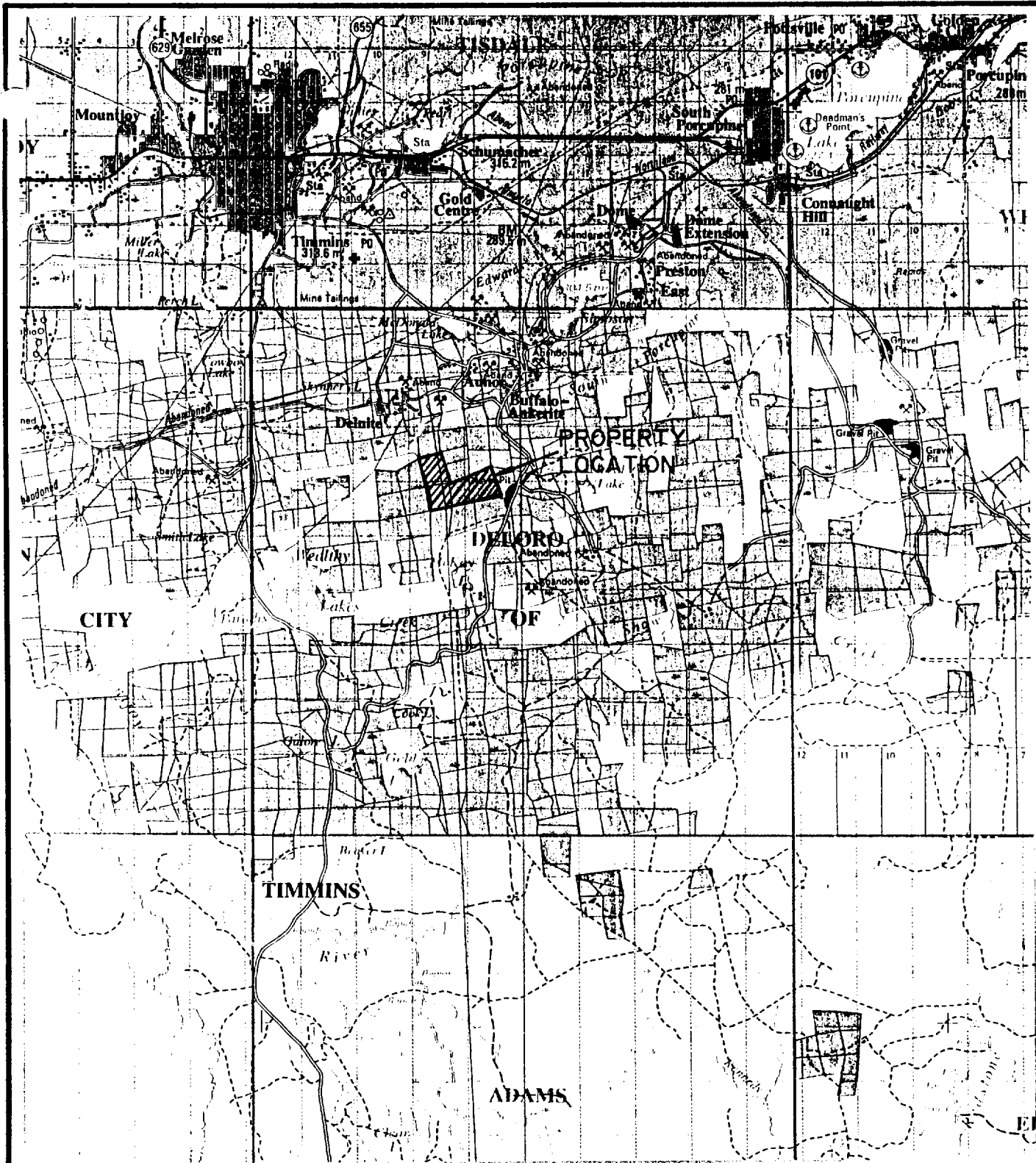
ACCESSIBILITY, CLIMATE, LOCAL RESOURCES

Access to the property is by means of the Timmins "back road" to the Buffalo Ankerite Mine, then south along a gravel road for approximately 3/4 mile. An alternate access route to the western part of the property is along a bush road from the Aunor Mine a distance of approximately 1 1/2 miles to the property.

Climatic conditions are typical for this part of Northern Ontario. Temperatures range from -45 degrees celsius to +30 degrees celsius. Availability of electrical power is located



			EXSICS EXPLORATION LTD. P.O. Box 1000, P4M-7K1 Suite 19, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
			CLIENT: IVON COLLIN, JOHN GRANT, KEN LAPIERRE		
PROPERTY: DELORO TOWNSHIP PROPERTY			TITLE:		
LOCATION MAP			Fig. 1		
Date: May 1990		Scale: 1"=125miles		NTS:	
Drawn:		Interp:		Job No.	



EXSICS EXPLORATION LTD.

P.O. Box 1000, P40-1X1
 Suite 10, Hollinger Bldg, Toronto Ont.
 Telephone: 706-207-4151

CLIENT: IVON COLLIN, JOHN GRANT, KEN LAPIERRE

PROPERTY: DELORO TOWNSHIP PROPERTY

TITLE: REGIONAL LOCATION

Fig. 2

Date: May 1990

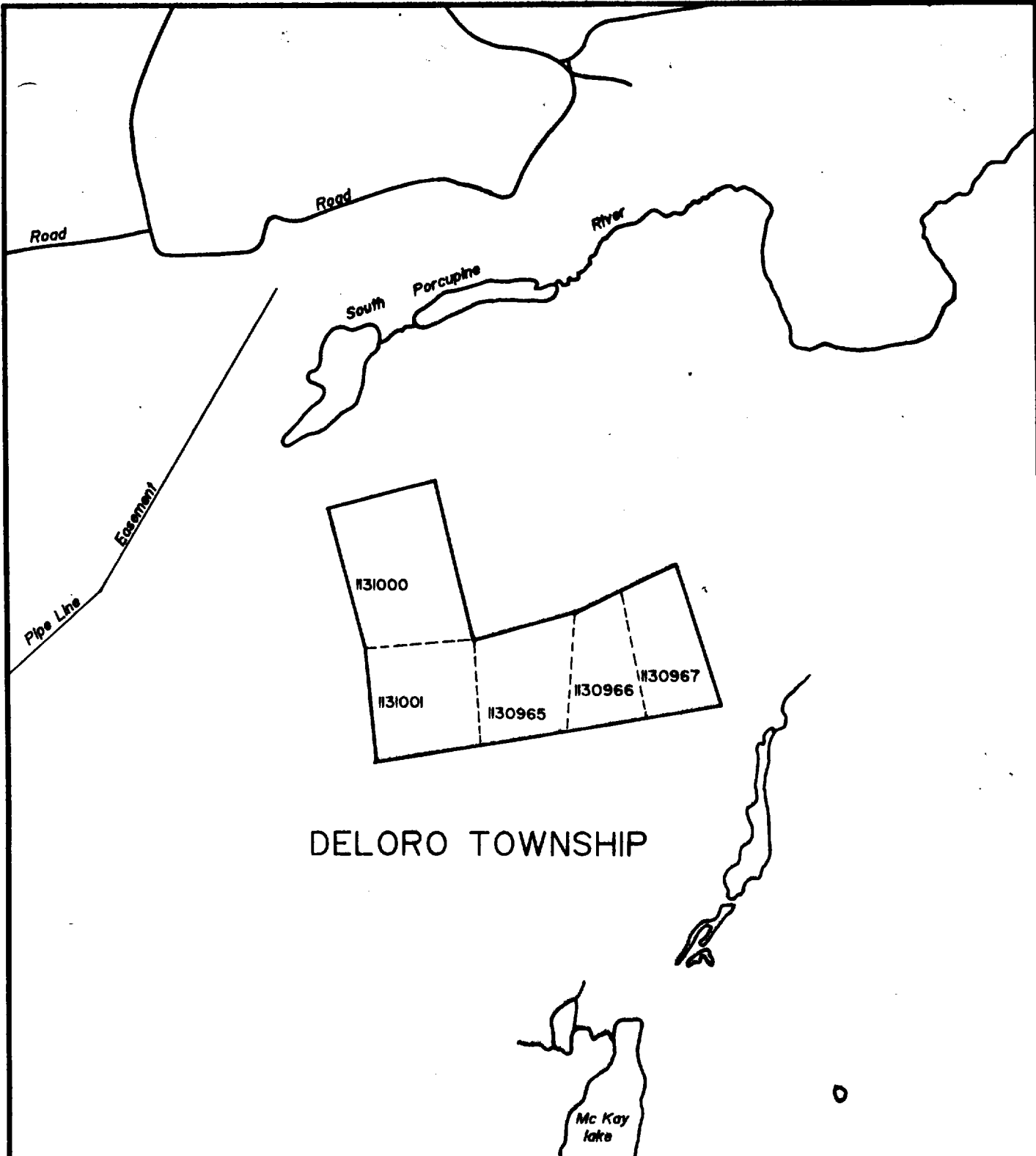
Scale: 1:100,000


NTS:

Drawn:

Interp:

Job No.



 EXSICS EXPLORATION LTD. P.O. Box 1000, P40-071 Suite 10, Millinger Bldg, Windsor Ont. Telephone: 726-207-4071		
PROPERTY: DELORO TOWNSHIP PROPERTY		
TITLE: CLAIM SKETCH		
Fig. 3		
Date: May 1990	Scale: 1:20,000	NTS:
Drawn: P.G.	Interp:	Job No.:

north at either the Delnite or Buffalo Ankerite Minesites. Water resources are available within the property. Mining supplies and manpower are located in Timmins and South Porcupine.

PREVIOUS WORK

Exploration has been conducted on all parts of the claim block by previous owners. In the 1940's Rypan Porcupine Gold Mines Ltd carried out a geological survey, trenching and diamond drilling. A map from Rypan Porcupine Mine Ltd identified Hole #15 and #16 as having commercial intersections (Figure 4).

More recently, in 1981, Amax Minerals Exploration completed a geological mapping survey. In 1986 Gus Mortson commissioned a magnetometer and VLF-EM Survey. In 1988, Kingswood Exploration completed a stripping/washing/geological mapping program on old claim # 852204 (new claim # 1130965).

REGIONAL GEOLOGY

The geology of the Timmins area consists predominantly of Precambrian (Archean and Proterozoic) metavolcanics and metasediments. The precambrian rocks were later covered

partially by unconsolidated Cenozoic deposits. The Precambrian rocks represent a 40,000' 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' sequence composed of basal ultramafics, andesites and basalt flows followed by dacite flows, calc-alkaline rhyolite and dacite pyroclastic rocks and oxide to sulphide facies iron formations. The Tisdale group is a 14,000' 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' thick sequence composed of interlayered wacke, siltstone and conglomerate.

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

Stratigraphic displacement of rock types range from tens of feet to thousands of feet. The most prominent fault in the area is called the Destor-Porcupine Fault. This major structural break trends northeast, dips steeply north and has a width in excess of 400'. Other younger fault systems traversing the area are the Montreal River Fault and the Burrows Benedict Fault Systems.

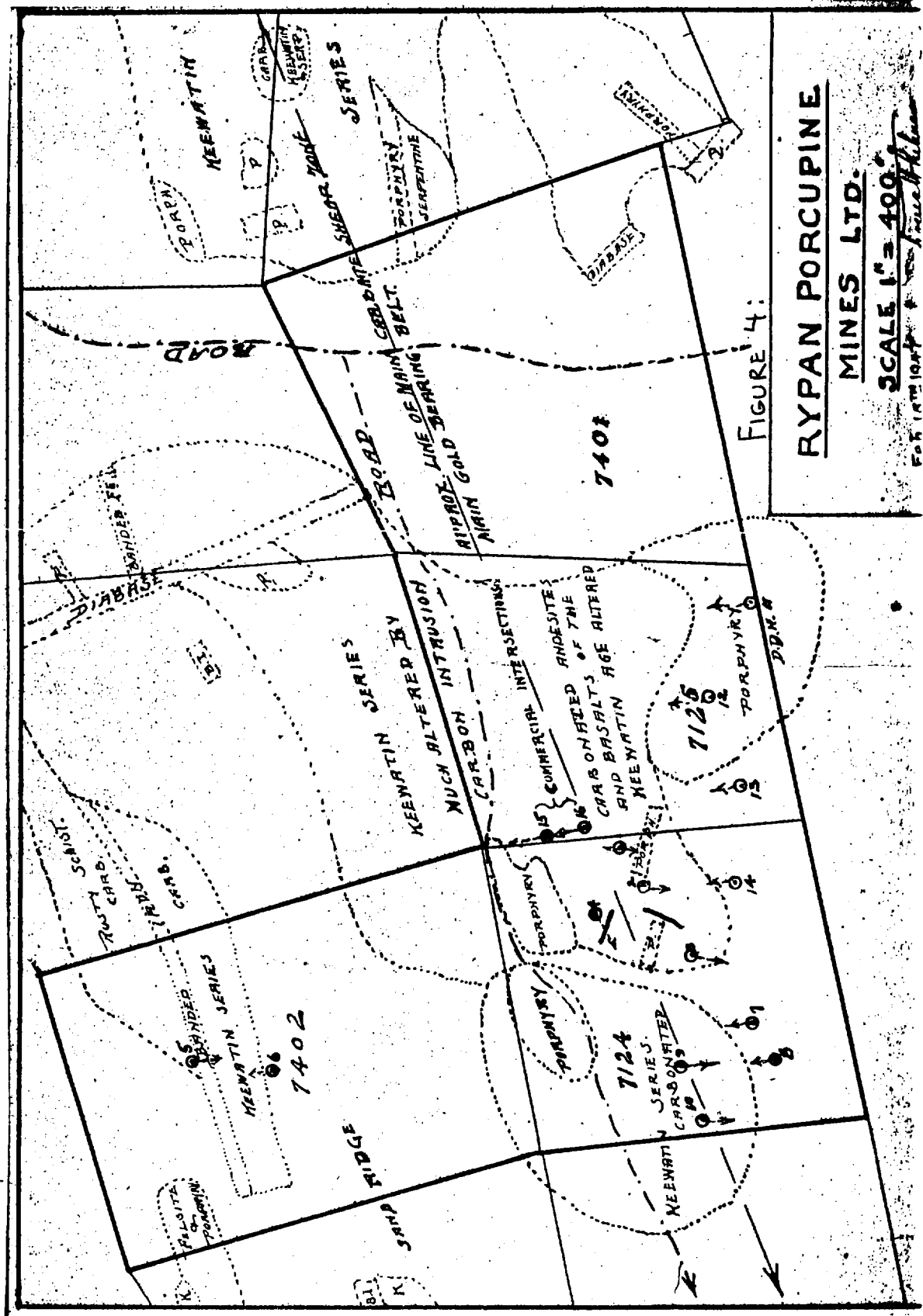


FIGURE 4:

RYPAN PORCUPINE

MINES LTD.

SCALE 1" = 400'

FOR 1978 1979 & 1980

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; 1) initial north trending series of folds, 2) subsequent refolding about an east-northeast trending series for folds. South of the Destor-Porcupine Fault, and east-west trending series of folds produced a major structural domain known as the Shaw Dome.

LOCAL GEOLOGY/GEOPHYSICS

The following information is based on D.R. Pyke's 1982 OGS report: Geology of the Timmins Area, ODM maps and reports and geological mapping surveys carried out by previous owners of the claim block. It was concluded that previous geological mapping of the claim block was adequate and as a result an additional geological mapping serving would not be necessary and would not adversely affect the outcome of this OPAP study.

Joe MacPherson, 1981 describes the geology as follows, "The property is underlain by a major sequence of volcanics of the Upper Deloro Group. This

sequence consists of peridotite, basalt and andesite flows in the south east which progress to rhyodacite flows and intermediate tuffs and finally to sedimentary rocks and iron formation in the north-west. These lithologies generally trend 80 degrees and dip steeply to the north, with the tops facing north (Figure 5).

Feldspar porphyry dykes are the only intrusive rocks found on this property. These dykes follow the general trend of the stratigraphy and were the primary targets for the Rypan Porcupine Gold Mines drill program in 1945. A large granite-granodiorite stock underlies the area to the south and east of these claims.

A major east-west shear zone cuts the south end of the claims and smaller carbonatized shears, shear zones, quartz veins and quartz stringers were found intermittently throughout the area. Assays indicate that none of these are of economic importance for gold or base metals though some trace gold values were sampled from the major shear zone in the south claims area."

OPAP PROGRAMA) Prospecting Geology:

Prospecting of the claim block verified Canamax's geological survey in 1981. It was decided that a geophysical program was needed to identify the magnetic and conductive signature of the underlying stratigraphy.

B) Geophysics:

This program consisted of a Total Field Magnetic Survey and a VLF Electromagnetic Survey. The equipment was the EDA Omni IV and Omni Plus System. Specifications for each of these units can be found as Appendix A and Appendix B of this report.

Magnetic Survey: (Back Pocket)

This survey was completed over the entire claim group using the EDA Omni IV field system running in conjunction with a base station recorder set to record in-store values at 25 meter

intervals over the property. At the end of each survey day the field unit was coupled with the base station unit and the data from each was merged and corrected on a time basis.

The corrected data was then dumped and plotted onto a base map using a scale of 1:2500 and then contoured at 100 gamma intervals wherever possible. For ease in plotting purpose only, a background of 58000 gammas has been removed from each data point.

VLF Survey: (Back Pocket)

This survey was completed using the EDA Omni Plus system. A transmitting station was chosen which would couple best with the suspected strike of the properties geology. For this survey Cutler Maine was chosen operating at 24.0 khz and transmitting to the area at a strike direction of 295 degrees which would couple best with east-west structures.

This system is unique as you can choose up to 3 different transmitting stations which can be read at each station simultaneously. The unit records a dip angle and field strength measurement at each station.

This system records and stores these values and at the end of each survey day, the collected data is dumped directly to prints and ready for plotting.

The dip angle data only, was plotted onto a base map using a scale of 1:2500 and then profiled at 1 cm to 20%.

A legitimate conductor axis would profile positive to negative when traversing south to north. This base map is included in the back pocket of this report.

Survey Results:

The EM Survey was successful in outlining several northeast-southwest, east-west structures across the survey grid. These EM responses appear to represent at least 4 major structural trends.

The first feature strikes across lines 0+00 to 100E and appears to continue to the east across lines 300E, 400E and off the grid. The zone has good magnetic signature which probably relates to an iron formation. A slight humping in the magnetics across line 200E may be indicative of some minor cross faulting of structure.

The second EM zone strikes across lines 0+00 to 300E at 100N. This feature represents either a weak stringer type feature, a contact zone or an anomalous zone at depth. It parallels a good magnetic structure just to the north.

A third EM zone strikes east-northeast starting on line 100E/100S and extends up to L900E/100N. The zone appears to relate to a legitimate bedrock response with good magnetic signatures on it's central and eastern flank.

The fourth feature strikes east-west across lines 900E to 1200E and extends off the property to the east. This feature may extend as far as 500E. The magnetics show some north-south cross structures in the vicinity of lines 700E and 800E which may have faulted the strike of the zone to the west.

It was determined upon completion of the geological and geophysical programs that several conductive zones of interest which paralleled stratigraphy had been outlined. Furthermore, several areas of trenching and diamond drilling completed in the 1940's closely coincided with these zones of interest and that these zones had never properly been exposed on surface.

It was decided that stripping and washing of these zones of interest was necessary to determine if any were auriferous.

C) Stripped Areas:

The back pocket in this report has 2 completed maps of the geology of the stripped areas, sample locations, gold results and their locations to a nearby claim post.

Excessive overburden depth overtop the zones of interest necessitated the stripping program to be conducted as close to or along strike of conductors where overburden depths were minimal. Furthermore, previous trenching and diamond drilling by Rypan aided in determining other locations for overburden removal.

The geology of all stripped areas has verified that the stratigraphic location of the property belongs to the upper parts of the Deloro Group.

Map #1 has outlined 3 strong quartz carbonate alteration zone which are associated with intermediate to mafic volcanic and tuffs.

Map #2 has outlined a major intense zone(s) of quartz/carbonate alteration within intermediate to mafic volcanics. Quartz veining up to 5 feet wide has been identified and is associated with the main zone. Mineralization consists of

up to 2% fine grained subhedral disseminated pyrite within and proximal to the quartz veining.

D) Assay Results:

A total of 15 grab samples were analyzed at Swastika Laboratories using conventional fire assay techniques using a 1 assay ton weight. One of these samples was analyzed using "geo-scan" techniques for Ag, Al, As, Bi, Ca, Cd, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, Pi, Pb, S, Sb, Sr, Th, U, V, W, and Zn. Refer to Appendix C for all assay results. Of the 15 samples taken, 3 samples returned gold values well above the average for all 15 samples (47 ppb). These are sample #4421 (85 ppb), #4426 (183 ppb), and #4427 (261 ppb). All three samples were taken from the quartz/carbonate alteration zone identified in Map #2.

E) Work Dates, etc:

Appendix D outlines the dates the work was carried out, the names of all persons who performed the work and the equipment used.

CONCLUSION AND OBSERVATIONS:

- 1) Since the 1940's several exploration programs on the claim block identified several areas of further study.
- 2) The geological and geophysical surveys outlined near surface conductive stratigraphic signatures worthy of surface exposure by overburden removal methods.
- 3) The stripping program outlined 4 areas of quartz/carbonate alteration. All zones are within a host rock of intermediate to mafic composition. Mineralization of up to 2% fine grained pyrite is located within and proximal to the quartz veining within the alteration zone.
- 4) Anomalous gold values up to 5 times that of the average gold value of the 15 samples taken were associated within the quartz/carbonate alteration zones.
- 5) The OPAP study was highly successful in locating, exposing and defining an anomalous area where gold mineralization is associated within quartz/carbonate alteration zones.

RECOMMENDATIONS:

Based on the successful completion of this OPAP study, a follow-up exploration program is justified and recommended. The follow-up program should include exposing the other untested geophysical conductors on the property, as well as geological mapping and sampling of these exposed areas. The successful completion of this follow-up program could enhance the property to the diamond drilling stage.

Respectfully Submitted,



Ken Lapierre, HBSc

DECLARATION

I, Kenneth Lapierre, of the City of Timmins, Province of Ontario, Canada, do state:

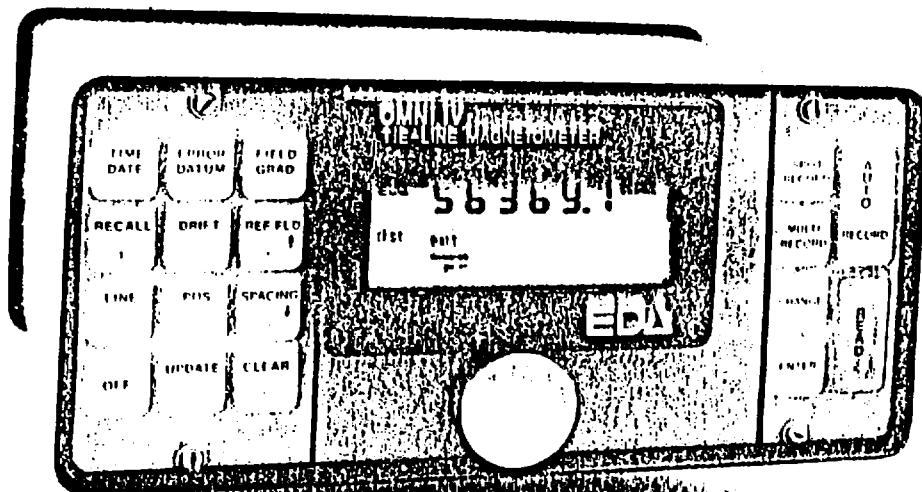
- 1) That I am a practising Consulting Geologist with an office at Suite 17, Hollinger Building, 637 Algonquin Blvd. E., Timmins, Ontario, and that my mailing address is P.O. Box 1021, Timmins, Ontario, P4N 7H6.
- 2) That I am a graduate with the Degree of Honours Bachelor of Science majoring in Geology from the University of Western Ontario, London, Ontario, Canada.
- 3) That I have practised my profession as Consulting Geologist since my graduation from the University of Western Ontario in 1983.
- 4) That I am an Associate 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, and that I visited the property on several occasions in 1990.
- 6) That I do have an interest in the property and I do expect to have an interest in the property in the future.

Dated this 28th day of September 1990, Timmins, Ontario



Ken Lapierre, HBSc
Consultant Geologist

OMNI IV "Tie-Line" Magnetometer



OMNI IV's Major Benefits

- 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

Dipoles	Two simultaneous input dipoles.
Input Voltage (Vp) Range	40 microvolts to 4 volts, with automatic ranging and overvoltage protection.
Vp Resolution	10 microvolts.
Vp Accuracy	0.3% typical; maximum 1% over temperature range.
Chargeability Resolution	1 %.
Chargeability Accuracy	0.3% typical; maximum 1% over temperature range for Vp > 10 mV.
Automatic SP Compensation	± 1 V with linear drift correction up to 1 mV/s.
Input Impedance	1 Megohm.
Sample Rate	10 milliseconds.
Automatic Stacking	3 to 99 cycles.
Synchronization	Minimum primary voltage level of 40 microvolts.
Rejection Filters	50 and 60 Hz power line rejection greater than 100 dB.
Grounding Resistance Check	100 ohm to 128 kilo-ohm.
Compatible Transmitters	Any time domain waveform transmitter with a pulse duration of 1 or 2 seconds and a crystal timing stability of 100 ppm.
Programmable Parameters	Geometric parameters, time parameter, intensity of current, type of array and station number.
Display	Two line, 32-character alphanumeric liquid crystal display protected by an internal heater for low temperature conditions.
Memory Capacity	600 sets of readings.
RS-232C Serial I/O Interface	1200 baud, 8 data bits, 1 stop bit, no parity.
Console Power Supply	Six- 1.5V "D" cell disposable batteries with a maximum supply current of 70 mA and auto power save.
Operating Environmental Range	- 25°C to +55°C; 0-100% relative humidity; weatherproof.
Storage Temperature Range	- 40°C to +60°C.
Weight and Dimensions	5.5 kg, 310x230x210 mm.
Standard System Complement	Instrument console with carrying strap, batteries and operations manual.
Available Options	Stainless steel transmitting electrodes, copper sulphate receiving electrodes, alligator clips, bridge leads, wire spools, interface cables, rechargeable batteries, charger and software programs.

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

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

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	± 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°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 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
Cycling 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
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 (0.5 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

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



Established 1928

Appendix "C"
Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Assay Certificate

0T-0411-RA1

Company: **LAPIERRE EXPL.**
Project: **DELORO-RYPAN**
Attn: **KEN LAPIERRE**

Date: **AUG-07-90**

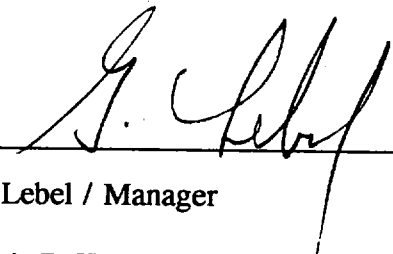
Copy 1. BOX 1021, TIMMINS, ONT P4N 6L9

We hereby certify the following Assay of 13 ROCK samples submitted AUG-02-90 by .

Sample Number	Au ppb
4422✓	12
4423✓	31
4424✓	9
4425✓	10
4426✓	194/172
4427✓	291/230
4428✓	10
4430✓	5
4431✓	12
4432✓	12
4433✓	3
4434✓	Nil
4435✓	27

ONE ASSAY TON FUSIONS USED

Certified by _____


G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300



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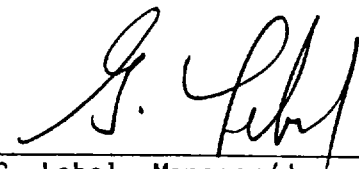
Certificate of Analysis

Certificate No. OT-0410-RMI Date Aug 8, 1990

Received Aug. 2, 1990 2 rock samples

Submitted by Lapierre Exploration Services, Timmins, Ontario proj#Deloro-Rypan

SAMPLE NO.	+100 mesh Au PPB	-100 mesh Au PPB	wt of +100 mesh grams	wt of -100 mesh grams	calculated value Au PPB
4421✓	Nil	85	0.50	731.90	85
4429✓	20	49	9.95	1107.10	49

Per 
G. Lebel, Manager/dg



P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244. FAX (705) 642-3300



Established 1920

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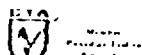
Certificate of Analysis

Certificate No. OT-0410-RMI Date Aug. 14, 1990
 Received Aug. 2, 1990 1 rock sample
 Submitted by Lapierre Exploration Services, Timmins, Ontario proj#Deloro Rypan
"GEO-SCAN"

	SAMPLE NO.	4421
Ag PPM		<0.1
* Al %		0.7
As PPM		<10
Bi PPM		<10
* Ca %		0.5
Cd PPM		<10
Co PPM		44
* Cr PPM		1396
Cu PPM		42
Fe %		2.8
* Mg %		0.1
Mn PPM		572
Mo PPM		<10
Ni PPM		91
P %		0.1
Pb PPM		25
S %		1.1
Sb PPM		<10
Sr PPM		39
Th PPM		<10
U PPM		<10
* V PPM		36
* W PPM		<10
Zn PPM		43

JIE: Digestion may not be complete for those elements marked by an asterisk.

Per G. Lebel
G. Lebel, Manager/dg



Appendix D



ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) FINAL SUBMISSION FORM

(This shall serve as the prospecting report as required under Section 4(1) of the OPAP Regulations)

INSTRUCTIONS:

Please type or Print

Submit completed form to:

Incentives Office

Ministry of Northern Development & Mines

3rd Floor, 880 Bay St., Toronto, Ontario M5S 1Z8

TO BE COMPLETED BY SUCCESSFUL GRANTEES AFTER PROJECT COMPLETION AND ACCOMPANIED BY WRITTEN REPORTS, MAPS, ETC.

Name Ken Lapierre File Number OP 90-126

Proposed Project Areas(s) (Twp. or Claim Map Name),	Completed?
1. <u>Delora Twp.</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____	Yes <input type="checkbox"/> No <input type="checkbox"/>

Changes to proposed project(s) (if any)

added VLF survey, re-flagged old grid system, prospected geology of claim group to verify Canamax's geological survey

List of Other Co-owners of the Property that Worked on Project

Yvon Calin (OP 90-125)
John Grant (OP 90-124)

I. WORK PERFORMED BY APPLICANT (Summary of Section IV)

1. Project area/name <u>Delora Twp. Property</u>		No. Days Worked By Applicant
Traditional Prospecting	no. of samples _____	<u>1</u>
Geological surveys	scale <u>1"=20' of stripped areas</u>	<u>30</u>
Geophysical surveys	type _____ miles/km _____	_____
Geochemical surveys	type _____ no. of samples _____	_____
Drilling	type _____ ft/m _____	_____
Stripping/Trenching	method _____	_____
Other	type <u>compilation</u>	<u>2</u>
TOTAL		<u>33</u>

I. WORK PERFORMED BY APPLICANT (Continued)

2. Project area/name _____ No. Days Worked By Applicant _____

Traditional Prospecting no. of samples _____

Geological surveys scale _____

Geophysical surveys type _____ miles/km _____

Geochemical surveys type _____ no. of samples _____

Drilling type _____ ft/m _____

Stripping/Trenching method _____

Other type _____

TOTAL _____

TOTAL DAYS (ALL PROJECTS) A. _____

(Attach additional sheets for additional project areas as required)

II. DETAILED LIST OF EXPENDITURES (Summarize in Section III)

Date	Recipient of Payment	Explanation	Amount
August 15/90	August 31/90	backhoe - Excav	5100.00
August 31/90	August 31/90	assay	286.75
August 15/90	August 31/90	geophysics - Excav	1050.00
Mileage rate claimed _____ km at 30¢/km.			
(Attach additional sheets as required)			
TOTAL			6436.75

III. EXPENDITURES (total of all projects) - Summary of I and II

1. Number of Working Days (A) x \$100/day 33	\$ 3300.00
2. Analyses/Assay Costs	\$ 286.75
3. Equipment Rentals/Supplies backhoe	\$ 5100.00
4. Contract Services (State Type) geophysics	\$ 1050.00
5. Travel (state method: road, air, etc.)	\$ _____
6. Food and Accommodation	\$ 310.00
7. Other Expenses (Specify)	\$ _____
TOTAL EXPENDITURES	\$ 10,046.75

IV. DAILY REPORTS (Summarize Work Activity in Section I)

Day	Project Area	Date	Work Performed
1	Deloro Twp - Property	June 15	compilation
2	"	June 16	compilation
3	"	June 17	prospectivity
4	"	June 29	supervision, geology
5	"	" 30	
6	"	July 4	"
7	"	5	"
8	"	6	"
9	"	7	"
10	"	8	"
11	"	9	"
12	"	12	"
13	"	13	"
14	"	14	"
15	"	15	"
16	"	17	"
17	"	18	"
18	"	19	"
19	"	20	"
20	"	21	"
21	"	22	"
22	"	24	"
23	"	25	"
24	"	26	"
25	"	27	"
26	"	28	"
27	"	29	report
28	"	30	"
29	"	31	"
30	"	Sept 25	"
31	"	26	"
32	"	27	"
33	"	Sept 28	"
34			
35			
36			
37			
38			
39			
40			
41			

Attach additional sheets as required.

V. SIGNIFICANT RESULTS (if any)

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>Debroo Twp</u>	<u>Quartz/Carb Zone</u>	<u>Au.</u>	<u>261 ppb</u>

VI. CLAIMS STAKED DURING/AFTER PROSPECTING ACTIVITY

Project Area	Claim Numbers	Number of Claims
_____	_____	_____

VII. OPTION AGREEMENTS RESULTING FROM OPAP PROJECT

Optionee	Property/Claims	Dollar Value of Work Commitment
_____	_____	_____

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

1. I am the person named in the Application for Grant under the Ontario Prospectors Assistance Program.
2. I have complied with all the requirements of the said program.
3. I understand that it is an offence under the Ontario Mineral Exploration Act, 1989, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
4. I am not actively engaged in mineral production anywhere in the world, nor am I a representative of a person who is actively engaged in mineral production anywhere in the world.
5. I am not an associate of, nor do I represent an affiliated corporation or an associate of any person actively engaged in mineral production anywhere in the world.
6. The mineral exploration project that is the subject of the said application will not receive Federal Government or other Ontario Government financial assistance.

It is an Offence under subsection 8(1)(A) of the Ontario Mineral Exploration Act, 1989 to knowingly furnish false or misleading information.

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have a program designated for financial assistance and the amount of such assistance. Other information, such as statistical information about the individual projects will be used for the purpose of determining the overall effectiveness of the program. It may be disclosed for those purposes and I consent to its disclosure for such

purposes. Questions about this collection should be directed to Supervisor, Incentives Office, Mineral Development and Lands Branch, Ministry of Northern Development and Mines, 3rd Floor, 800 Bay Street, Toronto, Ontario M5S 1Z8, telephone (416) 965-1062.

Signature of Applicant *Ken Lapuerie* Date Sept 30 / 91

Name (print) Ken Lapuerie



ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) FINAL SUBMISSION FORM

(This shall serve as the prospecting report as required under Section 4(1) of the OPAP Regulations)

INSTRUCTIONS:

Please type or Print

Submit completed form to:

Incentives Office

Ministry of Northern Development & Mines

3rd Floor, 880 Bay St., Toronto, Ontario M5S 1Z8

TO BE COMPLETED BY SUCCESSFUL GRANTEES AFTER PROJECT COMPLETION AND ACCOMPANIED BY WRITTEN REPORTS, MAPS, ETC.

Name Yvon Collin File Number OP 90-125

Proposed Project Areas(s) (Twp. or Claim Map Name),	Completed?
1. <u>Deloro Twp Property</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____	Yes <input type="checkbox"/> No <input type="checkbox"/>

Changes to proposed project(s) (if any)

adduct ULF survey, reflagged old grid, prospecting geology of claim group to verify Canamad's geological survey.

List of Other Co-owners of the Property that Worked on Project

John Grant OP 90-124
Ken Lapierre OP 90-126

I. WORK PERFORMED BY APPLICANT (Summary of Section IV)

1. Project area/name		No. Days Worked By Applicant
<u>Deloro Twp. Property</u>		
Traditional Prospecting	no. of samples _____	<u>1</u>
Geological surveys	scale _____	_____
Geophysical surveys	type _____ miles/km _____	_____
Geochemical surveys	type _____ no. of samples _____	_____
Drilling	type _____ ft/m _____	_____
Stripping/Trenching	method <u>slashing, pick/shovel, wash</u>	<u>34</u>
Other	type <u>reflagging old grid line</u>	<u>1</u>
	TOTAL	<u>36</u>

I. WORK PERFORMED BY APPLICANT (Continued)

2. Project area/name _____		No. Days Worked By Applicant
Traditional Prospecting	no. of samples _____	_____
Geological surveys	scale _____	_____
Geophysical surveys	type _____ miles/km _____	_____
Geochemical surveys	type _____ no. of samples _____	_____
Drilling	type _____ ft/m _____	_____
Stripping/Trenching	method _____	_____
Other	type _____	_____
	TOTAL	_____
TOTAL DAYS (ALL PROJECTS)		A. _____

(Attach additional sheets for additional project areas as required)

II. DETAILED LIST OF EXPENDITURES (Summarize in Section III)

Date	Recipient of Payment	Explanation	Amount
<u>August 15/90</u>	<u>August 31/90</u>	<u>backhoe - EXSIC</u>	<u>5,135.00</u>
<u>August 15/90</u>	<u>August 31/90</u>	<u>geophysics - EXSIC</u>	<u>850.00</u>
_____	_____	_____	_____
_____	_____	_____	_____
Mileage rate claimed _____	_____	km at 30¢/km.	_____
(Attach additional sheets as required)			
		TOTAL	<u>5,985.00</u>

III. EXPENDITURES (total of all projects) - Summary of I and II

1. Number of Working Days (A) x \$100/day	<u>36</u>	\$ <u>3600.00</u>
2. Analyses/Assay Costs		\$ _____
3. Equipment Rentals/Supplies	<u>backhoe</u>	\$ <u>5135.00</u>
4. Contract Services (State Type)	<u>geophysics</u>	\$ <u>850.00</u>
5. Travel (state method: road, air, etc.)	<u>900 km x .3</u>	\$ <u>270.00</u>
6. Food and Accommodation		\$ <u>360.00</u>
7. Other Expenses (Specify)		\$ _____
TOTAL EXPENDITURES		\$ <u>10,215.00</u>

IV. DAILY REPORTS (Summarize Work Activity in Section I)

Day	Project Area	Date	Work Performed
1	Delord Top. Property	June 15/90	reflagged old grid
2		June 17/90	prospecting
3		June 25/90	slashing of brush
4		26	"
5		27	"
6		28	"
7		29	pick, shovel, wash outcrop
8		30	"
9		July 1/90	"
10		2	"
11		3	"
12		4	"
13		5	"
14		6	"
15		7	"
16		8	"
17		9	"
18		10	"
19		11	"
20		12	"
21		13	"
22		14	"
23		15	"
24		16	"
25		17	"
26		18	"
27		19	"
28		20	"
29		21	"
30		22	"
31		23	"
32	24	"	
33	25	"	
34	26	"	
35	27	"	
36	28	"	
37			
38			
39			
40			
41			

Attach additional sheets as required.

V. SIGNIFICANT RESULTS (if any)

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>Delora Trap Prop</u>	<u>Quartz/Carb Zone</u>	<u>Au</u>	<u>261 ppb</u>

VI. CLAIMS STAKED DURING/AFTER PROSPECTING ACTIVITY

Project Area	Claim Numbers	Number of Claims
_____	_____	_____
_____	_____	_____

VII. OPTION AGREEMENTS RESULTING FROM OPAP PROJECT

Optionee	Property/Claims	Dollar Value of Work Commitment
_____	_____	_____

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

1. I am the person named in the Application for Grant under the Ontario Prospectors Assistance Program.
2. I have complied with all the requirements of the said program.
3. I understand that it is an offence under the Ontario Mineral Exploration Act, 1989, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
4. I am not actively engaged in mineral production anywhere in the world, nor am I a representative of a person who is actively engaged in mineral production anywhere in the world.
5. I am not an associate of, nor do I represent an affiliated corporation or an associate of any person actively engaged in mineral production anywhere in the world.
6. The mineral exploration project that is the subject of the said application will not receive Federal Government or other Ontario Government financial assistance.

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purposes. Questions about this collection should be directed to Supervisor, Incentives Office, Mineral Development and Lands Branch, Ministry of Northern Development and Mines, 3rd Floor, 800 Bay Street, Toronto, Ontario M5S 1Z8, telephone (416) 965-1062.

Signature of Applicant *Yvon Collin* Date OCT 02/90

Name (print) Yvon Collin



ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) FINAL SUBMISSION FORM

(This shall serve as the prospecting report as required under Section 4(1) of the OPAP Regulations)

INSTRUCTIONS:

Please type or Print

Submit completed form to:

Incentives Office

Ministry of Northern Development & Mines

3rd Floor, 880 Bay St., Toronto, Ontario M5S 1Z8

TO BE COMPLETED BY SUCCESSFUL GRANTEES AFTER PROJECT COMPLETION AND ACCOMPANIED BY WRITTEN REPORTS, MAPS, ETC.

Name John Grant File Number DP 90-124

Proposed Project Areas(s) (Twp. or Claim Map Name),	Completed?
1. <u>Deloro Twp.</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____	Yes <input type="checkbox"/> No <input type="checkbox"/>

Changes to proposed project(s) (if any)
added VLF, reflagged old grid line, prospecting of claim group to verify Caranamar's geological mapping

List of Other Co-owners of the Property that Worked on Project
Ken Lapierre
Yuen Collin

I. WORK PERFORMED BY APPLICANT (Summary of Section IV)

1. Project area/name <u>Deloro Twp - Property</u>		No. Days Worked By Applicant
Traditional Prospecting	no. of samples _____	_____
Geological surveys	scale _____	_____
Geophysical surveys	type <u>4 days interval</u> miles/km _____	<u>4</u>
Geochemical surveys	type _____ no. of samples _____	_____
Drilling	type _____ ft/m _____	_____
Stripping/Trenching	method <u>pick/shovel/wash.</u>	<u>34</u>
Other	type <u>reflag</u>	<u>1</u>
TOTAL		<u>39</u>

I. WORK PERFORMED BY APPLICANT (Continued)

2. Project area/name _____		No. Days Worked By Applicant
Traditional Prospecting	no. of samples _____	_____
Geological surveys	scale _____	_____
Geophysical surveys	type _____ miles/km _____	_____
Geochemical surveys	type _____ no. of samples _____	_____
Drilling	type _____ ft/m _____	_____
Stripping/Trenching	method _____	_____
Other	type _____	_____
	TOTAL	_____
TOTAL DAYS (ALL PROJECTS)		A. _____

(Attach additional sheets for additional project areas as required)

II. DETAILED LIST OF EXPENDITURES (Summarize in Section III)

Date	Recipient of Payment	Explanation	Amount
<u>August 15/90</u>	<u>August 31/90</u>	<u>backhoe - Excise</u>	<u>5250.00</u>
<u>August 15/90</u>	<u>August 31/90</u>	<u>geophysics - Excise</u>	<u>500.00</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Mileage rate claimed _____ km at 30¢/km.			_____
(Attach additional sheets as required)			
			TOTAL <u>5750.00</u>

III. EXPENDITURES (total of all projects) - Summary of I and II

1. Number of Working Days (A) x \$100/day	<u>39</u>	\$ <u>3900.00</u>
2. Analyses/Assay Costs		\$ <u>—</u>
3. Equipment Rentals/Supplies	<u>backhoe</u>	\$ <u>5250.00</u>
4. Contract Services (State Type)	<u>geophysics</u>	\$ <u>500</u>
5. Travel (state method: road, air, etc.)		\$ _____
6. Food and Accommodation		\$ <u>350.00</u>
7. Other Expenses (Specify)		\$ _____
TOTAL EXPENDITURES		\$ <u>10,000.00</u>

IV. DAILY REPORTS (Summarize Work Activity in Section I)

Day	Project Area	Date	Work Performed
1	Deloro Twp Prop.	June 15/90	reflagged lines
2	"	June 21/90	geophysics interpretation
3	"	22	"
4	"	23	"
5	"	24	"
6	"	25	slashing of brush
7	"	26	"
8	"	27	"
9	"	28	"
10	"	29	"
11	"	30	pick/shovel/wash outcrops
12	"	July 1/90	"
13	"	2	"
14	"	3	"
15	"	4	"
16	"	5	"
17	"	6	"
18	"	7	"
19	"	8	"
20	"	9	"
21	"	10	"
22	"	11	"
23	"	12	"
24	"	13	"
25	"	14	"
26	"	15	"
27	"	16	"
28	"	17	"
29	"	18	"
30	"	19	"
31	"	20	"
32	"	21	"
33	"	22	"
34	"	23	"
35	"	24	"
36	"	25	"
37	"	26	"
38	"	27	"
39	"	28	"
40			
41			

Attach additional sheets as required.

V. SIGNIFICANT RESULTS (if any)

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>Debro Top Prop</u>	<u>Quartz/Carb Zone</u>	<u>Au</u>	<u>261 ppb.</u>

VI. CLAIMS STAKED DURING/AFTER PROSPECTING ACTIVITY

Project Area	Claim Numbers	Number of Claims
_____	_____	_____

VII. OPTION AGREEMENTS RESULTING FROM OPAP PROJECT

Optionee	Property/Claims	Dollar Value of Work Commitment
_____	_____	_____

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purposes. Questions about this collection should be directed to Supervisor, Incentives Office, Mineral Development and Lands Branch, Ministry of Northern Development and Mines, 3rd Floor, 800 Bay Street, Toronto, Ontario M5S 1Z8, telephone (416) 965-1062.

Signature of Applicant *John C. Grant* Date *Oct 2/90*
 Name (print) *John C. Grant*



DOCUMENT No. W 9006-60501



42A06NW1155 2.13710 DELORO

900

Report of Work 2.1371 (Geophysical, Geological and Geochemical)

Mining Act

Type of Survey(s) Geophysics	Mining Division Porcupine	Township or Area Deloro
Recorded Holder(s) Pierre Maillet / Ronald Crepeau		Prospector's Licence No. M-21835 / M-24771
Address 186 Balsam St. S. Timmins P4W 2E2		Telephone No. 261-3778
Survey Company Exsics Expl. Ltee.		
Name and Address of Author (of Geo-Technical Report) Ken Lapierre PO Box 1021 Timmins Ont P4W 2H6		Date of Survey (from & to) 15 Oct 90 20 Oct 90

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20
	- Magnetometer	20
For each additional survey using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
P	1131000				
P	1131001				
P	1130965				
P	1130966				
P	1130967				

ONTARIO GEOLOGICAL SURVEY GIS ASSESSMENT FILES APR 30 1991 RECEIVED

RECORDED OCT - 9 1990

RECEIVED OCT 11 1990 MINING LANDS SECTION

Total miles flown over claim(s):
 Date: **Oct 9/90** Recorded Holder or Agent (Signature): **Ken Lapierre**

Total number of mining claims covered by this report of work: **5**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: **Ken Lapierre P.O. Box 1021 Timmins Ont**
 Telephone No.: **267-7359** Date: **Oct 9/90** Certified By (Signature): **[Signature]**

For Office Use Only

Total Days Cr. Recorded 200	Date Recorded Oct. 9/90	Date Approved as Recorded Mar 4/91
Name of Recorder Robert Boubay		Provincial Manager, Mining Lands [Signature]

RECORDED OCT 9 1990



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
4th Floor, 159 Cedar Street
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Your File: W. 9006. 60543
Our File: 2. 13710

April 8, 1991

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

RE: Notice of Intent dated March 8, 1991 for Geological
Survey on mining claims s. 1131000 et al. in the
Township of Deloro.

The assessment work credits, as listed with the above-mentioned
Notice of Intent have been approved as of the above date.

Please inform the recorded holder of these mining claims and so
indicate on your records.

Yours sincerely,

Ron. C. Gashinski,
Provincial Manager, Mining Lands
Mines & Minerals Division

cc: Mr. Yvon Collin
Timmins, Ontario

Mr. Ken Lapierre
Timmins, Ontario

Resident Geologist
Timmins, Ontario

DOCUMENT No. **W9006-60543**

Instructions
 - Please type or print.
 - Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
 - Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Mining Act Report of Work
 (Expenditures, Subsection 77(19)) **213710**

Type of Work Performed Geological (Beneficiation) Studies	Mining Division Porcupine	Township or Area Deldora
Recorded Holder Pierre Maitlet / Ronald Coepeau	Prospector's Licence No. C-31425 M-21535 / M-247-71	
Address 186 Balsam St - S. Timmins, Ont		Telephone No. 221-3778

Work Performed By
Ken Lapierre

Name and Address of Author (of Submission)
Ken Lapierre P.O. Box 1021 Timmins Ontario P4N7H6

Date When Work was Performed
 From: **29** **06** **90** To: **28** **09** **90**
 Day Mo Yr Day Mo Yr

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side		Mining Claim P.1131001	No. of Days 200	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Instructions
 Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits
 Total Expenditures **\$ 3,000** ÷ **15** = **200** Total Days Credits

Total Number of Mining Claims Covered by this Report of Work

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.
Prefix	Number	Prefix	Number	Prefix	Number	Prefix	Number
P	1130965						
P	1130966						
P	1130967						
P	1131000						
P	1131001						

RECORDED
 NOV 20 1990
RECEIVED
 NOV 30 1990
RECEIVED
 NOV 30 1990
 amended

Total Number of Days Performed **200**

Total Number of Days Claimed **200**

Total Number of Days to be Claimed at a Future Date

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date **NOV 20/90** Recorded Holder or Agent (Signature) *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying
Ken Lapierre P.O. Box 1021 Timmins Ont P4N7H6

Telephone No. **207-7389** Date **NOV 20/90** Certified By (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded **200**

Date Recorded **NOV 20/90**

Mining Recorder **Robert Bailey**

Date Approved as Recorded

Provincial Manager, Mining Lands

"SEE REVISED WORK STATEMENT"

RECEIVED
 OCT 9 1990

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 320 Number of Readings 960
 Station interval 25 meter Line spacing 100 meter
 Profile scale 1 cm = 20%
 Contour interval 100 gamma intervals

MAGNETIC
 Instrument EPA 0M01 IV
 Accuracy - Scale constant ± 0.5 gamma
 Diurnal correction method Base Station Recorder
 Base Station check-in interval (hours) 30 sec. Reading interval
 Base Station location and value on the grid, 54410 gamma

ELECTROMAGNETIC
 Instrument EPA 0M01 PLUS
 Coil configuration _____
 Coil separation Infinite
 Accuracy ± 0.5%
 Method: Fixed transmitter Shoot back In line Parallel line
 Frequency Cutter, Maine AT 24.0 kHz (specify V.L.F. station)
 Parameters measured Dip Angle, in phase, and quadrature

GRAVITY
 Instrument _____
 Scale constant _____
 Corrections made _____
 Base station value and location _____

INDUCED POLARIZATION
 Elevation accuracy _____
 Instrument _____
 Method Time Domain Frequency Domain
 Parameters - On time _____ Frequency _____
 - Off time _____ Range _____
 - Delay time _____
 - Integration time _____
 Power _____
 Electrode array _____
 Electrode spacing _____
 Type of electrode _____

SELF POTENTIAL
 Instrument _____ Range _____
 Survey Method _____

Corrections made _____
RADIOMETRIC
 Instrument _____
 Values measured _____
 Energy windows (levels) _____
 Height of instrument _____ Background Count _____
 Size of detector _____
 Overburden _____ (type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)
 Type of survey _____
 Instrument _____
 Accuracy _____
 Parameters measured _____
 Additional information (for understanding results) _____

AIRBORNE SURVEYS
 Type of survey(s) _____
 Instrument(s) _____ (specify for each type of survey)
 Accuracy _____ (specify for each type of survey)
 Aircraft used _____
 Sensor altitude _____
 Navigation and flight path recovery method _____
 Aircraft altitude _____ Line Spacing _____
 Miles flown over total area _____ Over claims only _____



TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) MAGNETIC & VLF ELECTROMAGNETIC

Township or Area DELORO TOWNSHIP

Claim Holder(s) _____

Survey Company EXSICS EXP. LTD.

Author of Report KEN LAPIERRE

Address of Author P.O. Box 1021; Timmins, Ont; P4N 7H6

Covering Dates of Survey _____
(linecutting to office)

Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

P- 1131000
(prefix) (number)
1131001
1130965
1130966
1130967

If space insufficient, attach list

<u>SPECIAL PROVISIONS CREDITS REQUESTED</u>	Geophysical	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	-Electromagnetic	<u>20</u>
ENTER 20 days for each additional survey using same grid.	-Magnetometer	<u>20</u>
	-Radiometric	_____
	-Other	_____
	Geological	_____
	Geochemical	_____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: _____ SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 5

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 320 Number of Readings 960
Station interval 85 METER Line spacing 100 METER
Profile scale 1 CM = 20%
Contour interval 100 GAMMA INTERVALS

MAGNETIC

Instrument EDA OMNI IV
Accuracy - Scale constant +/- 0.5 GAMMAS
Diurnal correction method BASE STATION REORDER
Base Station check-in interval (hours) 30 SEC READING INTERVAL
Base Station location and value ON THE GRID, 59,440 GAMMA

ELECTROMAGNETIC

Instrument EDA OMNI PLUS
Coil configuration
Coil separation INFINITE
Accuracy +/- 0.5 %
Method: [X] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency CUTLER, MAINE AT 24.0 KHZ (specify V.L.F. station)
Parameters measured DIP, INPHASE AND QUADRATURE

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION

RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

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Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
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Electrode spacing
Type of electrode

FINAL BUDGET COMPILATION

	<u>COST</u>
1. Compilation of data	200.00
2. reflagging old grid system	200.00
3. Prospecting	200.00
4. Mag/VLF survey	2400.00
5. Mag/VLF interpretation	400.00
6. Slashing of brush	800.00
7. Pick/shovel/washing	6000.00
8. Backhoe, operator, equipment, etc	15485.00
9. Geological Mapping, supervision, report	3000.00
10 Food	1020.00
11. Travel 900 km x .3	270.00
12 Assays	<u>286.75</u>
TOTAL \$ 30,261.75



EXSICS EXPLORATION LIMITED
CONTRACTING & CONSULTING GEOPHYSICS

Tel. (705) 267-4151

P.O. Box 1880
Timmins, Ontario P4N 7X1

INVOICE #: 101
PROJECT #: E-361

ON ACCOUNT WITH: Yvon Collin, John Grant, Ken Lapierre
613 Churchill Crescent
TIMMINS, ONTARIO

RE: Geophysical Surveys - June 15/90 - June 20/90
Deloro Township

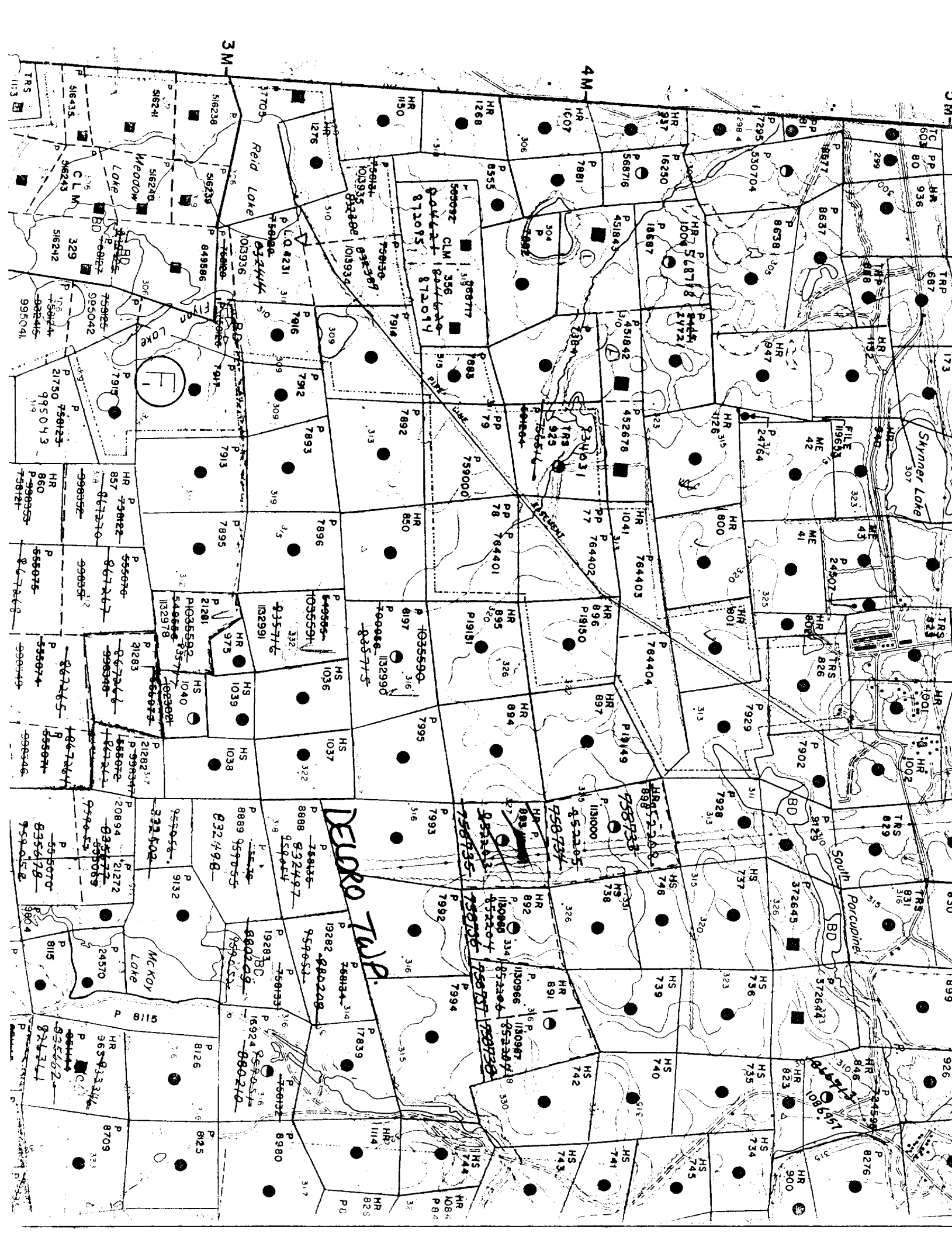
AT A RATE OF: 8.2 km of Mag/VLF Surveys.....\$2,400.00

TOTAL OF THIS INVOICE: \$2,400.00

DATE: October 2, 1990

SIGNED: *Yvon Collin* *paid in full*
Ken Lapierre

Payment due upon receipt of invoice. No statements issued.
Terms: Net 30, 2% interest per month on overdue accounts.



3M

4M

Reid Lake

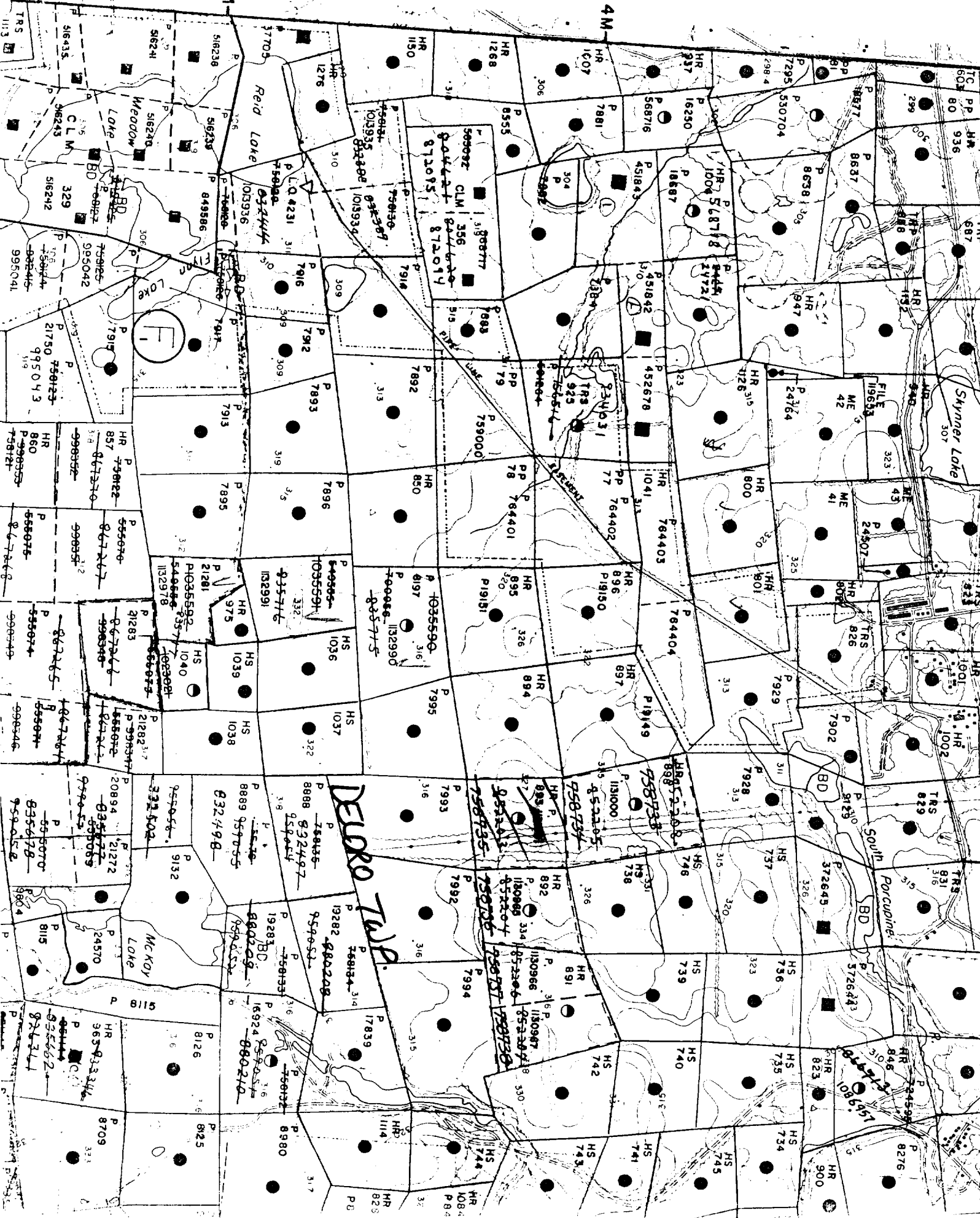
Meadow Lake

Skynner Lake

Lake

Mc Kay Lake

DEIRO TWP.





EXSICS EXPLORATION LIMITED
CONTRACTING & CONSULTING GEOPHYSICS

Tel. (705) 267-4151

P.O. Box 1880
Timmins, Ontario P4N 7X1

~~INVOICE # 100~~
PROJECT #: E-361

ON ACCOUNT WITH: Yvon Collin, John Grant, Ken Lapierre
613 Churchill Crescent
TIMMINS, ONTARIO

RE: Equipment Rental for the Period ~~June~~ 29/90 - July 28/90

AT A RATE OF:

Rental charges for backhoe operator, fuel, wajax, pumps, water hoses, chainsaws, pick and shovels

30 days x \$500.00/day.....	\$15,000.00
Mob, Demob.....	\$ 485.00

TOTAL OF THIS INVOICE: \$15,485.00

DATE: October 2, 1990

SIGNED: *Yvon Collin* *paid in full*
Ken Lapierre

Payment due upon receipt of invoice. No statements issued.
Terms: Net 30, 2% interest per month on overdue accounts.

22811



SWASTIKA LABORATORIES

(A DIVISION OF ASSAYERS CORPORATION LIMITED)

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
TELEPHONE: (705) 642-3244 FAX (705) 642-3300



VENDU A BOLD TO

Lapierre Exploration Services

Box 1021
Timmins, Ontario
P4N 6L9

1.5% LATE CHARGE OVER 30 DAYS (ANNUAL RATE 18%)

NO. D'EXEMPT. DE TAXE FED.	NO. D'EXEMPT. DE TAXE PROV.	VOTRE NO. DE COMMANDE	NOTRE NO. DE COMMANDE	CONDITIONS	REP. DES VENTES
FED. LICENCE NO.	PROV. LICENCE NO.	DAVE	YOUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITE	DESCRIPTION			PRIX UNITAIRE	MONTANT
QUANTITY				UNIT PRICE	AMOUNT
4	Au assays using 1 AT fusions			\$ 9.75	\$ 39.00
4	Sample Handling			3.00	12.00
	Cert.#OT-0409-RG1 Aug. 3, 1990				
				TOTAL...	\$ 51.00

*Rypan Syndicat
Pd. TD#076
Aug 31/90*

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928



22849



SWASTIKA LABORATORIES

(A DIVISION OF ASSAYERS CORPORATION LIMITED)

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
TELEPHONE: (705) 642-3244 FAX (705) 642-3300



VENDU A BOLD TO

Lapierre Exploration Services

Box 1021
Timmins, Ontario
P4N 7H6

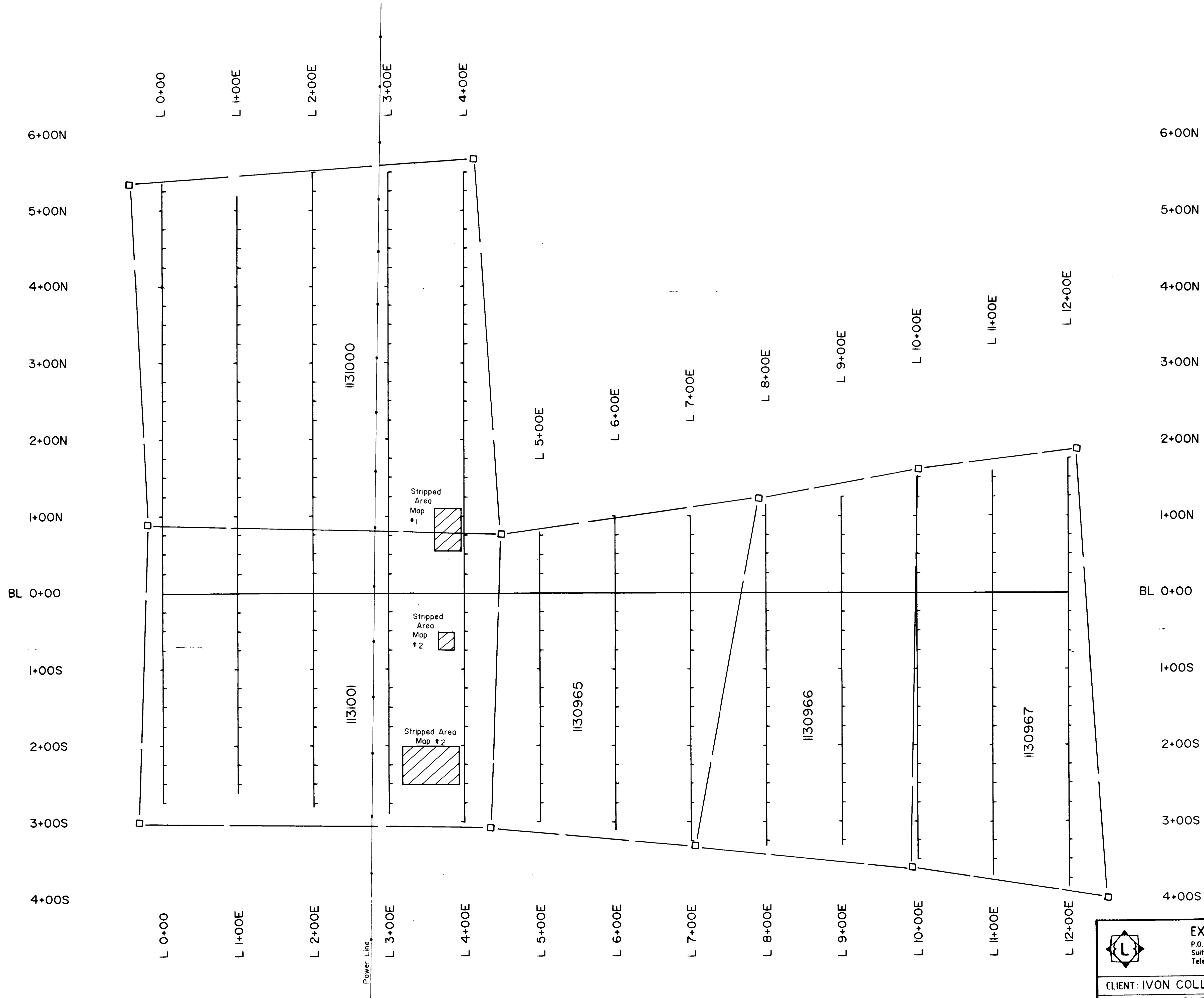
1.5% LATE CHARGE OVER 30 DAYS (ANNUAL RATE 18%)

NO. D'EXEMPT. DE TAXE FED.	NO. D'EXEMPT. DE TAXE PROV.	VOTRE NO. DE COMMANDE	NOTRE NO. DE COMMANDE	CONDITIONS	REP. DES VENTES
FED. LICENCE NO.	PROV. LICENCE NO.	DeLoro-Rypan	YOUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITE	DESCRIPTION			PRIX UNITAIRE	MONTANT
QUANTITY				UNIT PRICE	AMOUNT
13	Au assays using 1 AT fusions			\$ 9.75 ✓	\$ 126.75
13	Sample Handling			3.00 ✓	39.00
	Cert.#OT-0411-RA1 Aug.7, 1990				
2	Pulp and Metallic + handling			35.00 ✓	70.00
	Cert.#OT-0410-RMI Aug. 8, 1990				
				TOTAL...	\$ 235.75

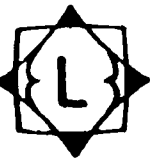
*DeLoro - Rypan Syndicat
Pd. TD#076
Aug 31/90*

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928

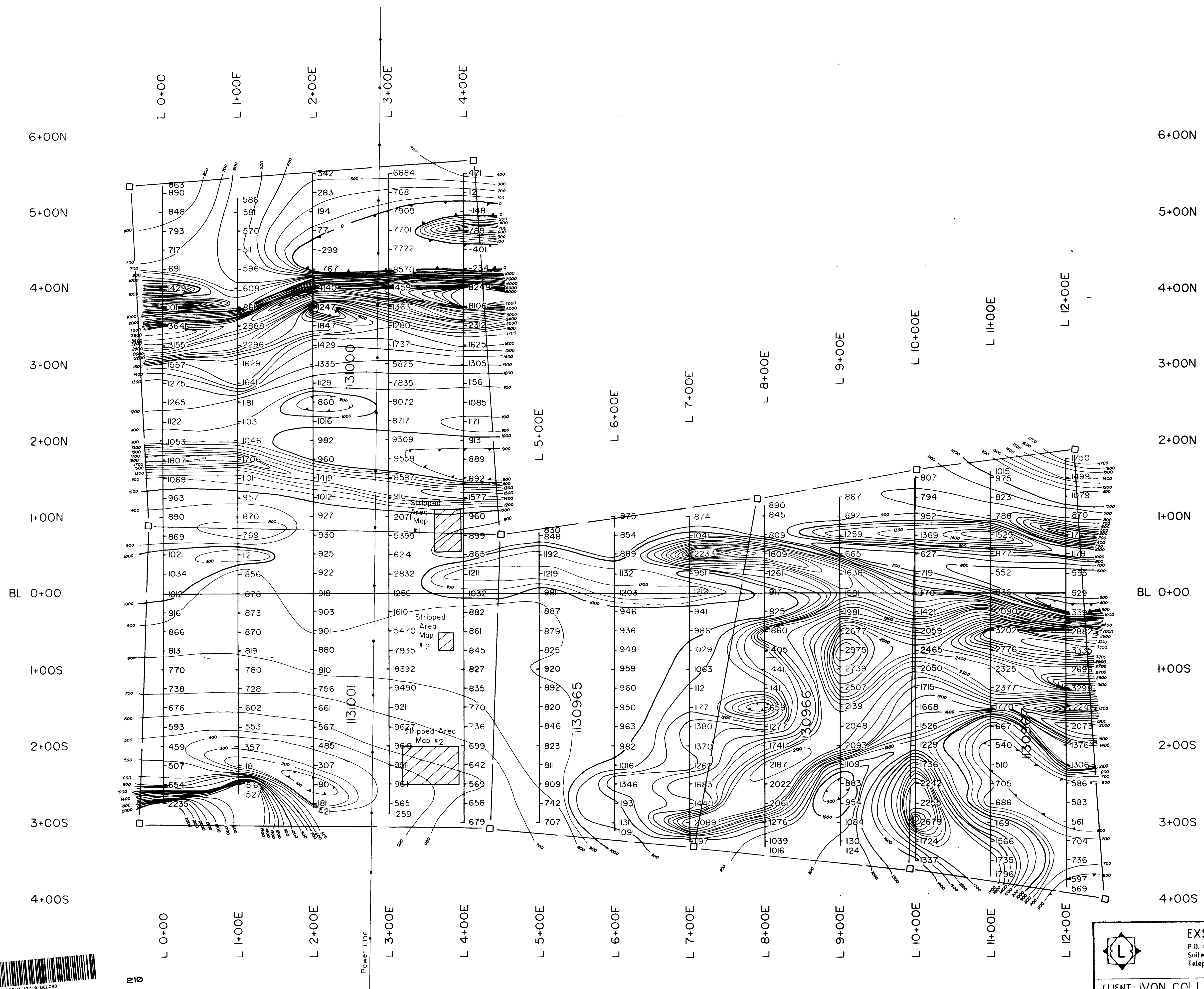




2.18710

 EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg. Timmins Ont. Telephone: 705-267-4151		
PROPERTY: RYPAN PROPERTY		
TITLE: DELORO TOWNSHIP GRID LAYOUT		
Date: May 1990	Scale: 1:2500	NTS:
Drawn: P.G.	Interp:	Job No.



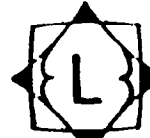


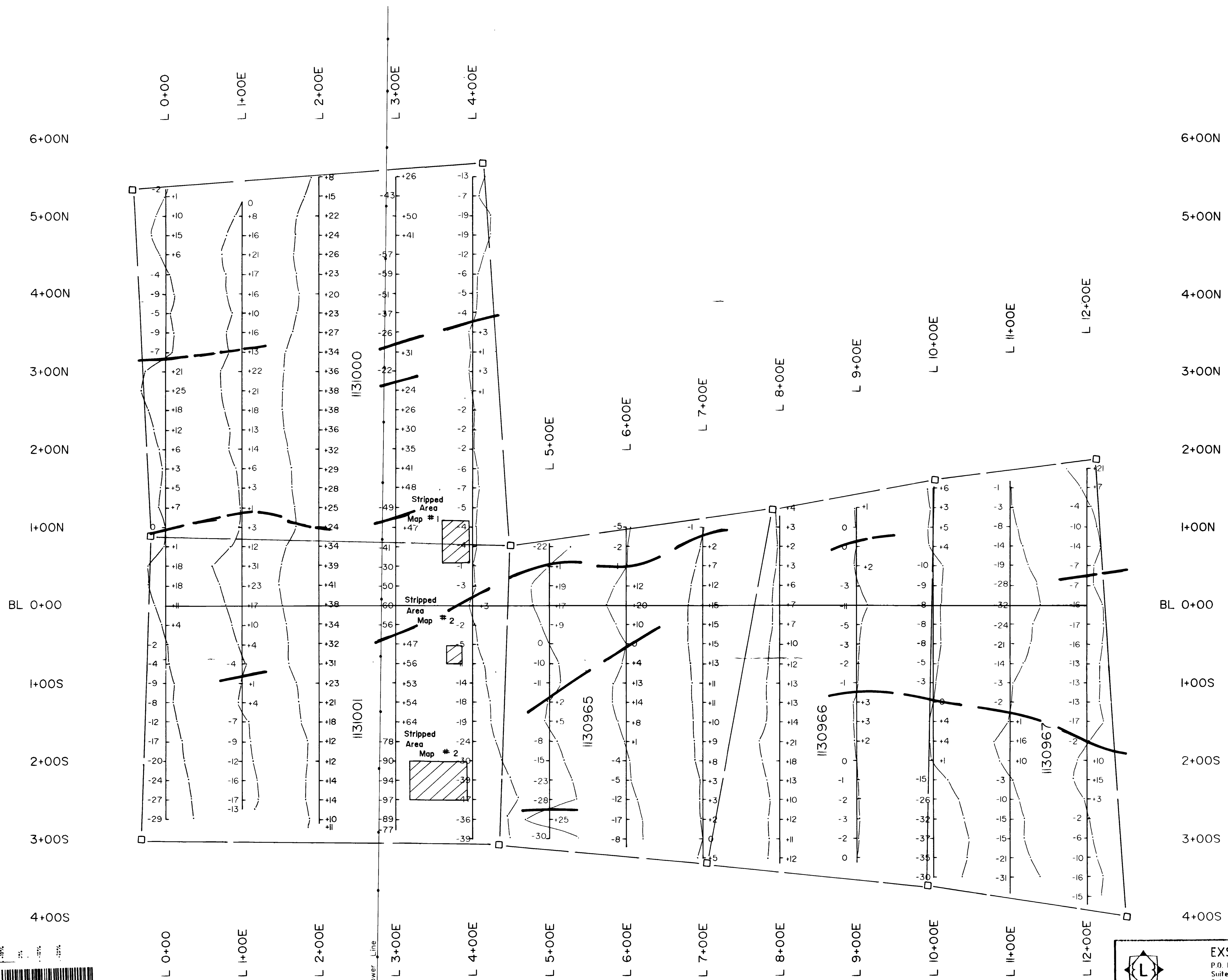
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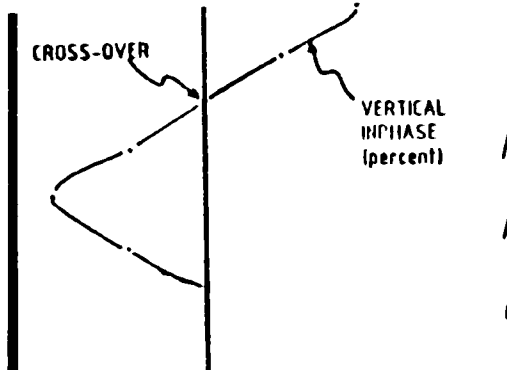
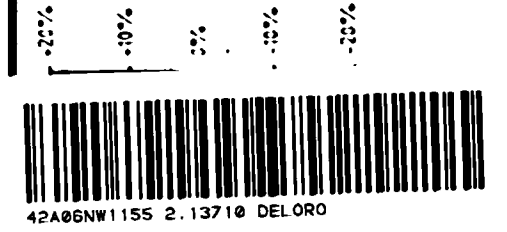
210

LEGEND
 Instrument: EDA OMNI-IV
 Parameters Measured: Earth's total magnetic field
 Accuracy: +/- 1 nano-Teslas
 Diurnals: Corrected by base station recorder
 Contour Interval: 0.5 nano-Teslas
 Reference Field: 50000 nano-Teslas
 Datum Subtracted: 50000 nano-Teslas

 EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
CLIENT: IVON COLLIN, JOHN GRANT, KEN LAPIERRE		
PROPERTY: RYPAN PROPERTY		
TITLE: CONTOURED DELORO TOWNSHIP MAGNETOMETER SURVEY		
Date: May 1990	Scale: 1:2500	NTS
Drawn: P.G.	Interp:	Job No



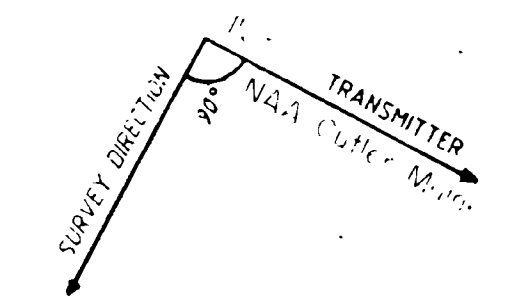
213710



220

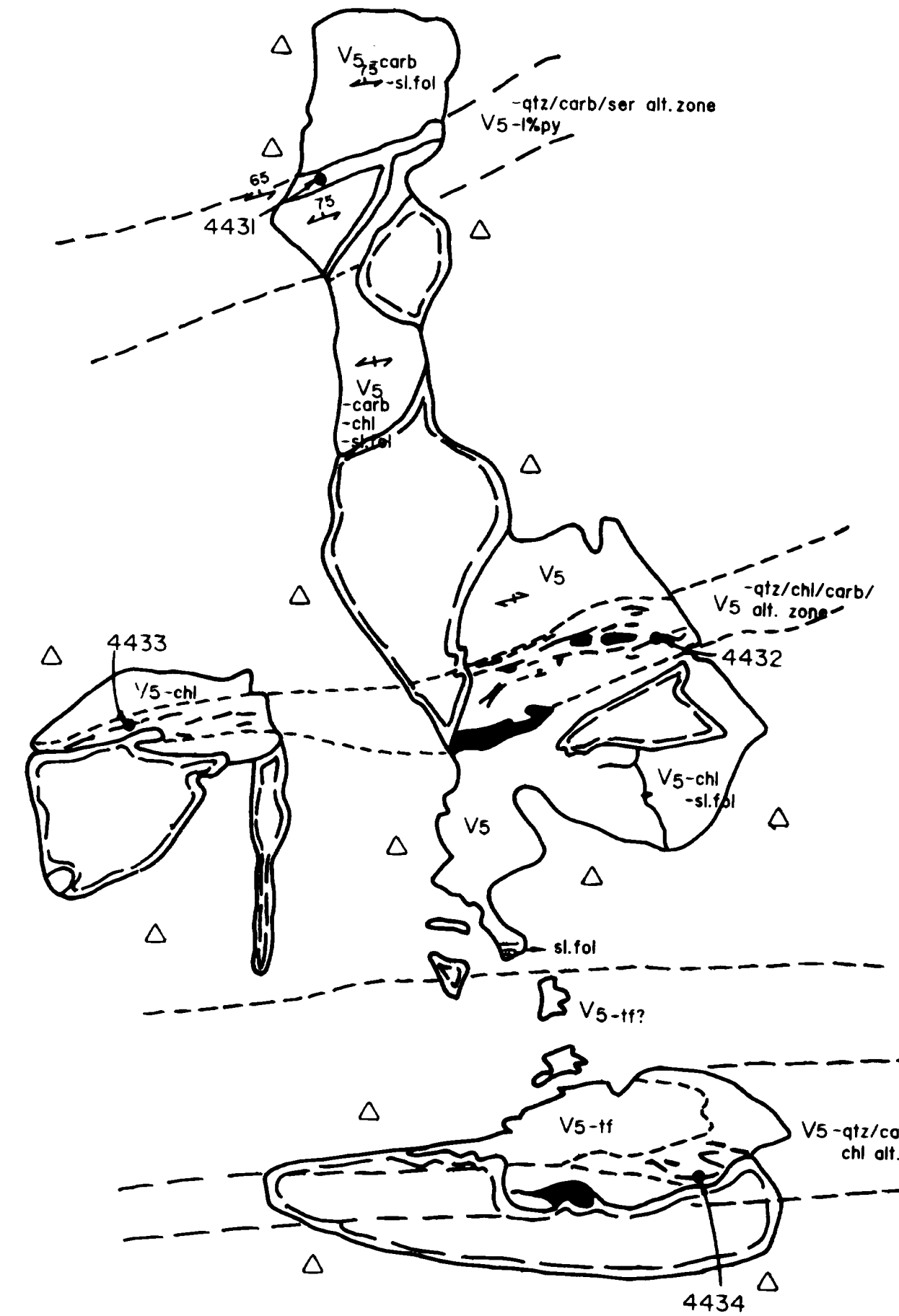
LEGEND

INSTRUMENT: FDA OMU 1111
 TRANSMITTER STATION: NAA CUTLER MARY
 FREQUENCY: 24.0 KHz.
 PARAMETERS MEASURED: In-phase Dip Angle
 OPERATOR: S. Anderson
 VERTICAL SCALE: 1:20



			EXSICS EXPLORATION LTD.		
			P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont Telephone: 705-267-4151		
CLIENT: IVON COLLIN, JOHN GRANT, KEN LAPIERRE			PROPERTY: RYPAN PROPERTY		
TITLE: DELORO TOWNSHIP			VLF DIP-ANGLE		
Date: May 1990	Scale: 1:2500	NTS			
Drawn: P.G.	Interp:	Job No			

N



L 4+00E

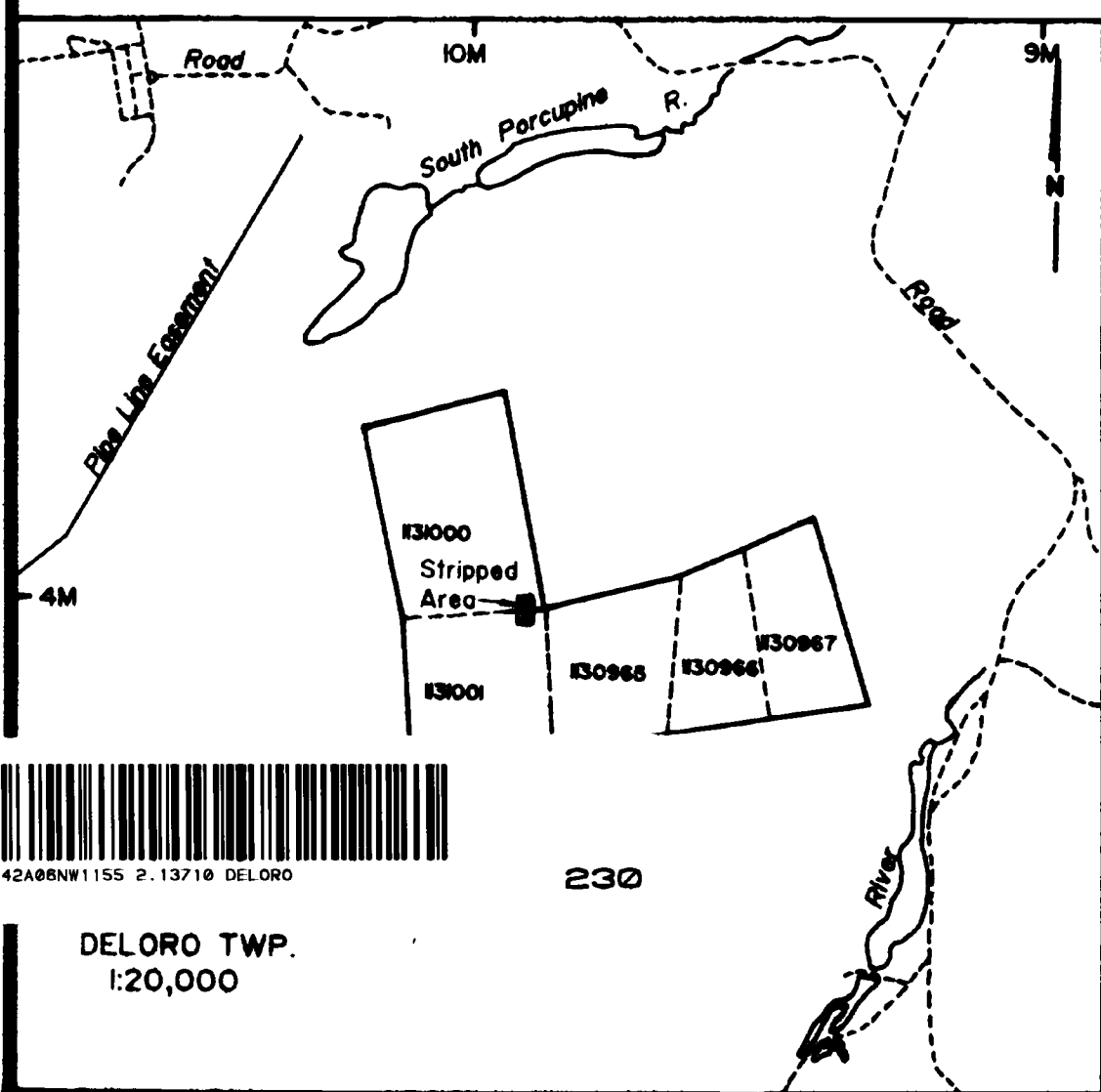
*1-852203
 *2-852205
 *4-852204
 *4-1130965

O+50N
 (metric grid)

Au ppb

Sample #	4431-----	12
	4432-----	12
	4433-----	3
	4434-----	NIL

PROPERTY LOCATION



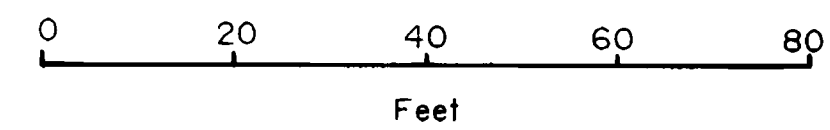
DELORO TWP.
 1:20,000

LEGEND

V5 - INTERMEDIATE/MAFIC VOLCANIC

- carb - carbonated
- qtz - quartz
- s.z - shear zone
- sl.fol - slightly foliated
- chl - chloritized
- car - carbonate
- ser - sericite
- py - pyrite
- alt - alteration
- tf - tuff
- sil - silicified
- shr - sheared
- fe - iron
- tour - tourmaline
- mod - moderately

- rubble/debris
- foliation/dip
- water
- qtz vein
- az - azimuth



2428710

DELORO TOWNSHIP
 RYPAN PROPERTY - MAP # 1

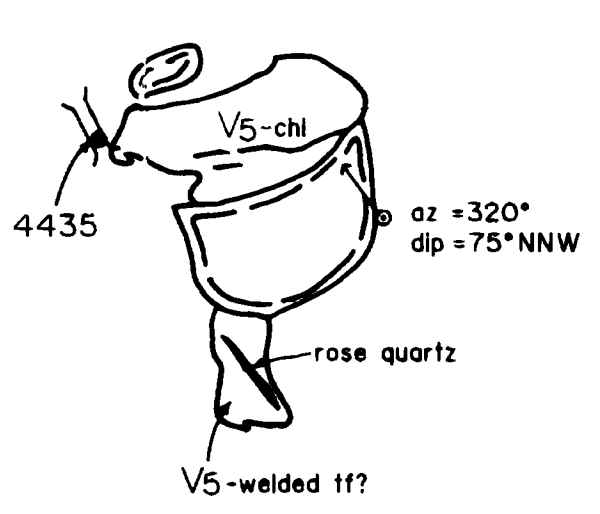
OPAP # OP90-I24
 OP90-I25
 OP90-I26

Map by Ken Lapierre
 Sept. 1990
 Drawn by P.G.

Ken Lapierre

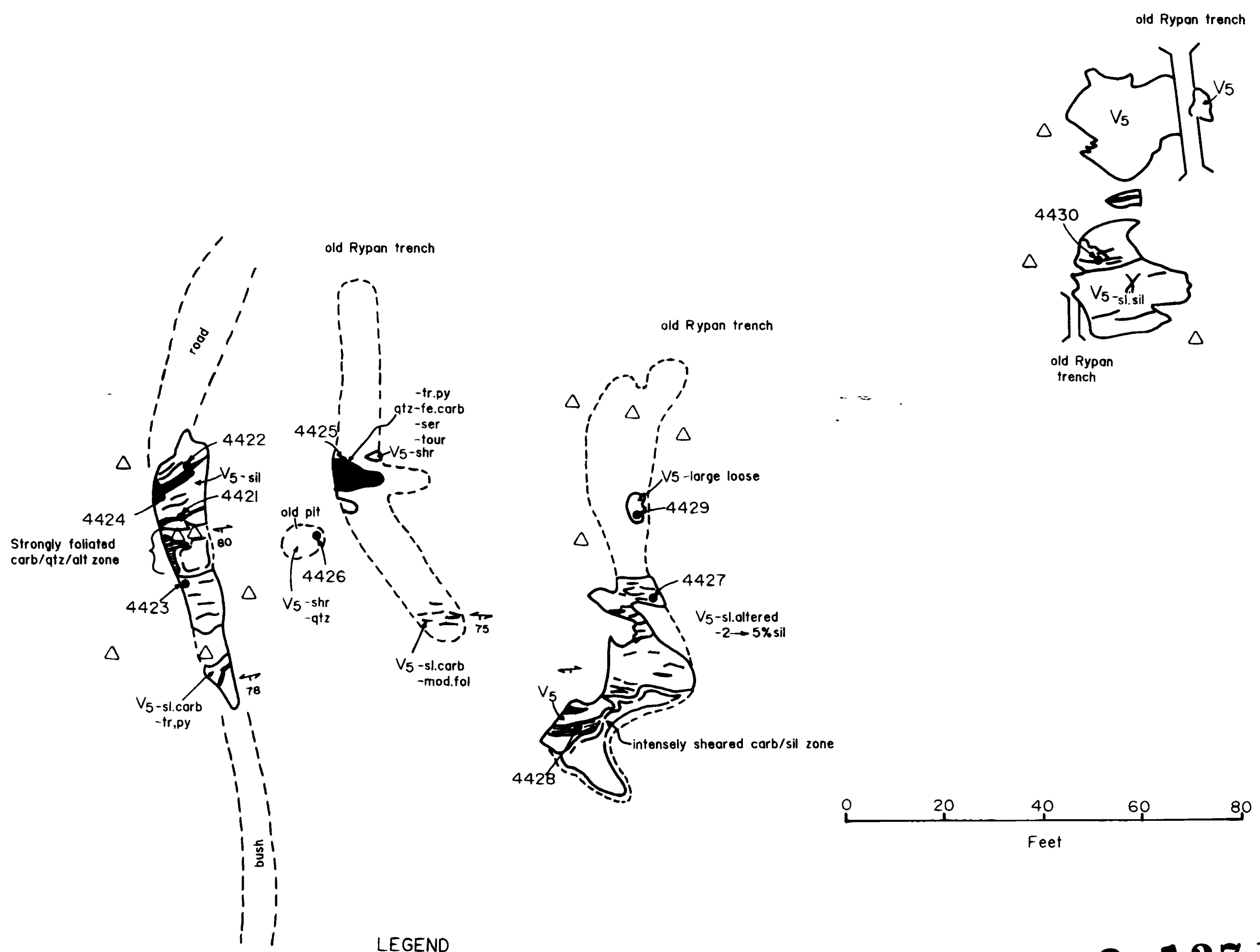
O+00

N



Au ppb

Sample #	4421	-----85
	4422	-----12
	4423	-----31
	4424	-----9
	4425	-----10
	4426	-----183
	4427	-----261
	4428	-----10
	4429	-----49
	4430	-----5
	4435	-----27



LEGEND

V5 - INTERMEDIATE/MAFIC VOLCANIC

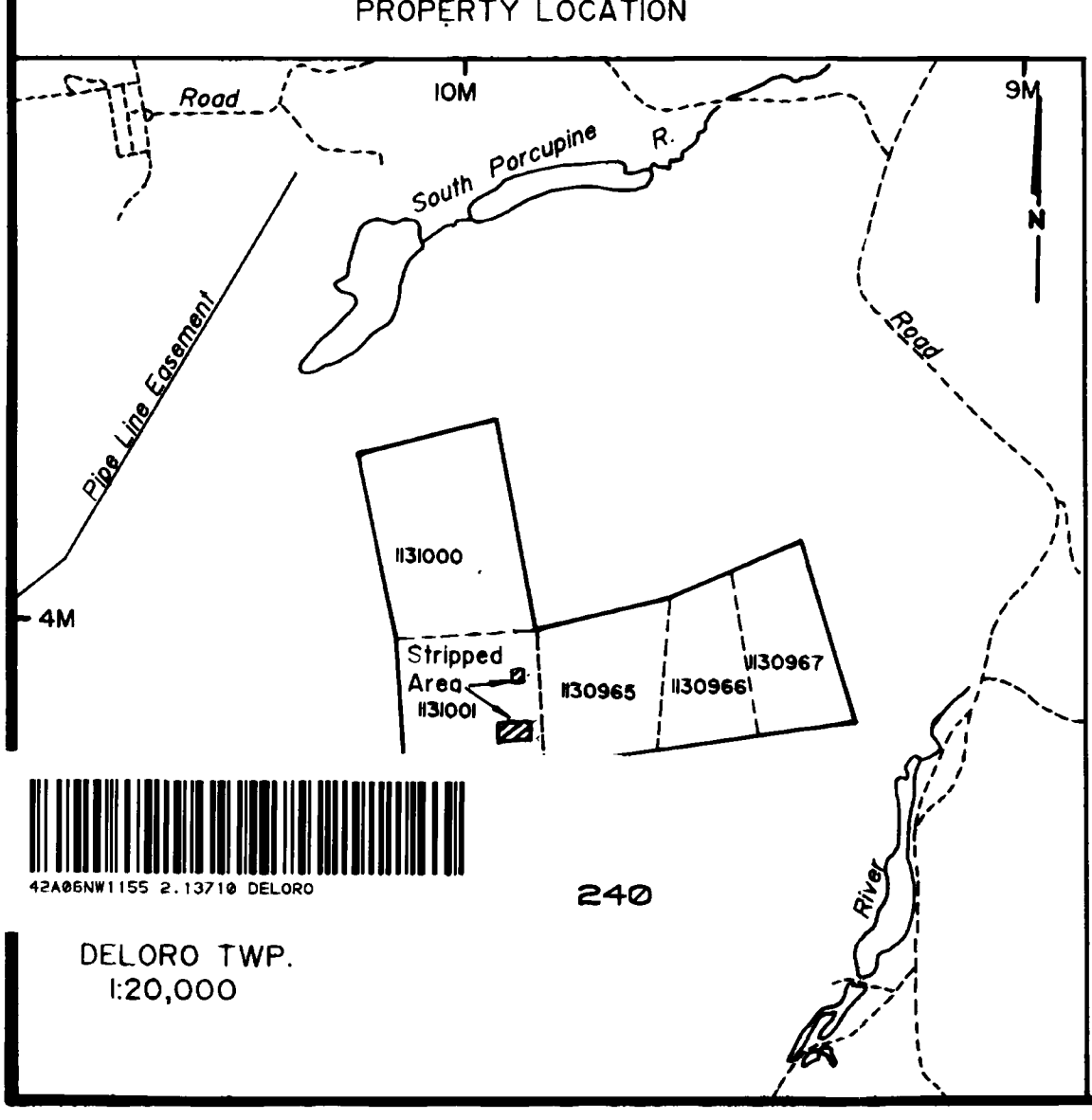
- carb - carbonated
- qtz - quartz
- s.z - shear zone
- sl.fol - slightly foliated
- chl - chloritized
- car - carbonate
- ser - sericite
- py - pyrite
- alt - alteration
- tf - tuff
- sil - silicified
- shr - sheared
- fe - iron
- tour - tourmaline
- mod - moderately
- △ - rubble/debris
- 75 - foliation/dip
- - water
- - qtz vein
- az - azimuth

2,18710

DELORO TOWNSHIP
RYPAN PROPERTY - MAP # 2
OPAP = OP90-124
OP90-125
OP90-126

Map by Ken Lapierre
Sept. 1990
Drawn by P.G.

Ken Lapierre



DELORO TWP.
1:20,000