



42A06NW1156 2.13910 DELORO

010

**SUMMARY REPORT  
OF THE  
STRIPPING/WASHING PROGRAM  
ON THE  
COLLIN PROPERTY  
DELORO TOWNSHIP  
PORCUPINE MINING DISTRICT  
OPAP # 90-506 & 90-507**

**2.13910**

**DUPLICATE  
COPY**

August 19, 1990

*Ken Lapierre*  
Ken Lapierre, HBSc

LAPIERRE EXPLORATION SERVICES INC.

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

(705) 267-7389

## INTRODUCTION

At the request of Denis and Raymond 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 3 unpatented mining claims located in the central portion of Deloro Township, Porcupine Mining Division, District of Cochrane, Ontario, Canada (Figure 1).

The claim numbers for the claim block under consideration of this OPAP study are P1132990, P1132991 and P1132978 (Figure 2).

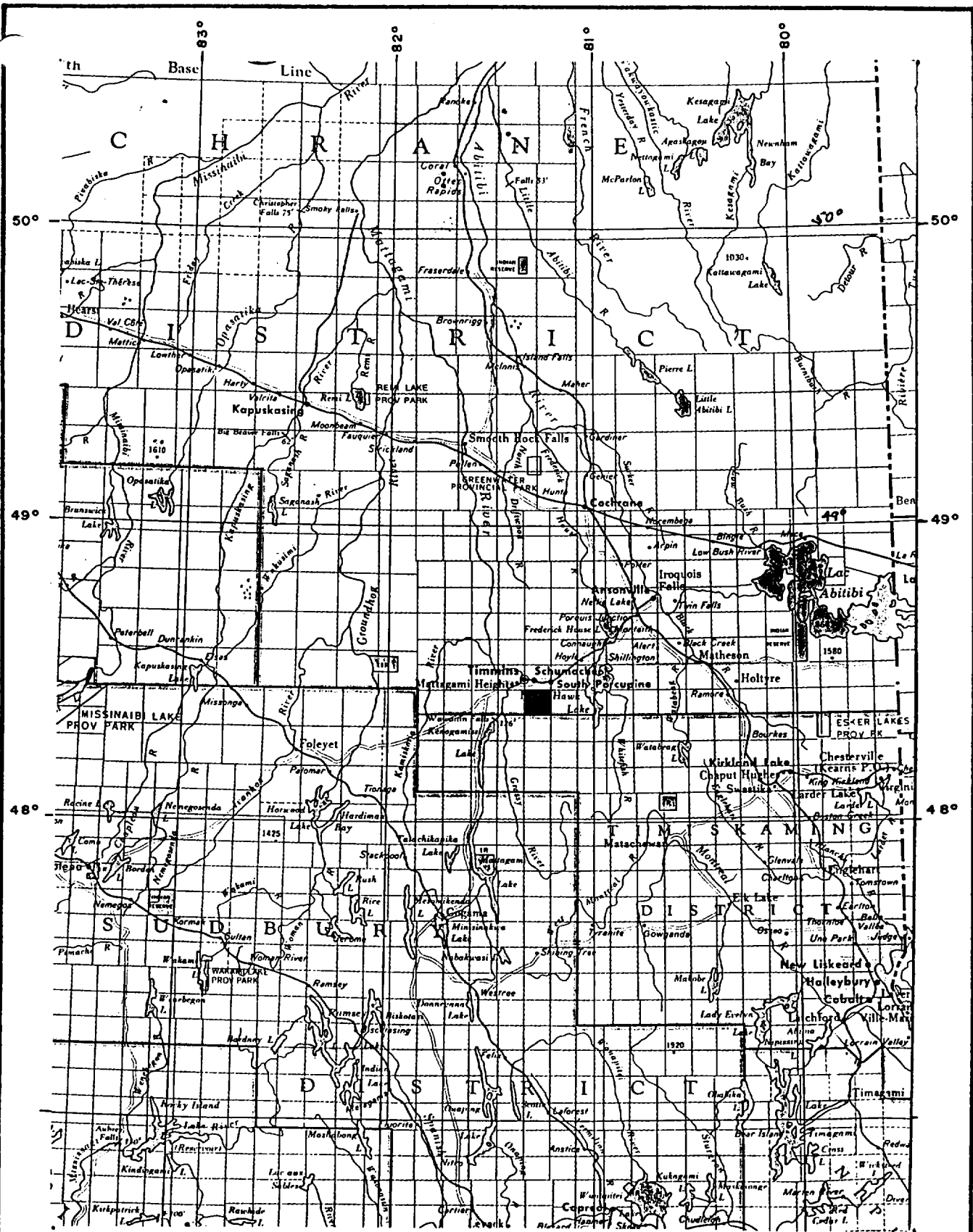
**ACCESSIBILITY, CLIMATE, LOCAL RESOURCES**

Access to the property is by means of the Timmins "back road" from either Timmins or South Porcupine to the Aunor Mine turnoff, then a distance of approximately 1 mile to the Aunor Mine. At the Aunor Mine entrance, a bush road continues south a distance of approximately 2.0 miles to the property (Figure 3).

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 north at the Delnite townsite.

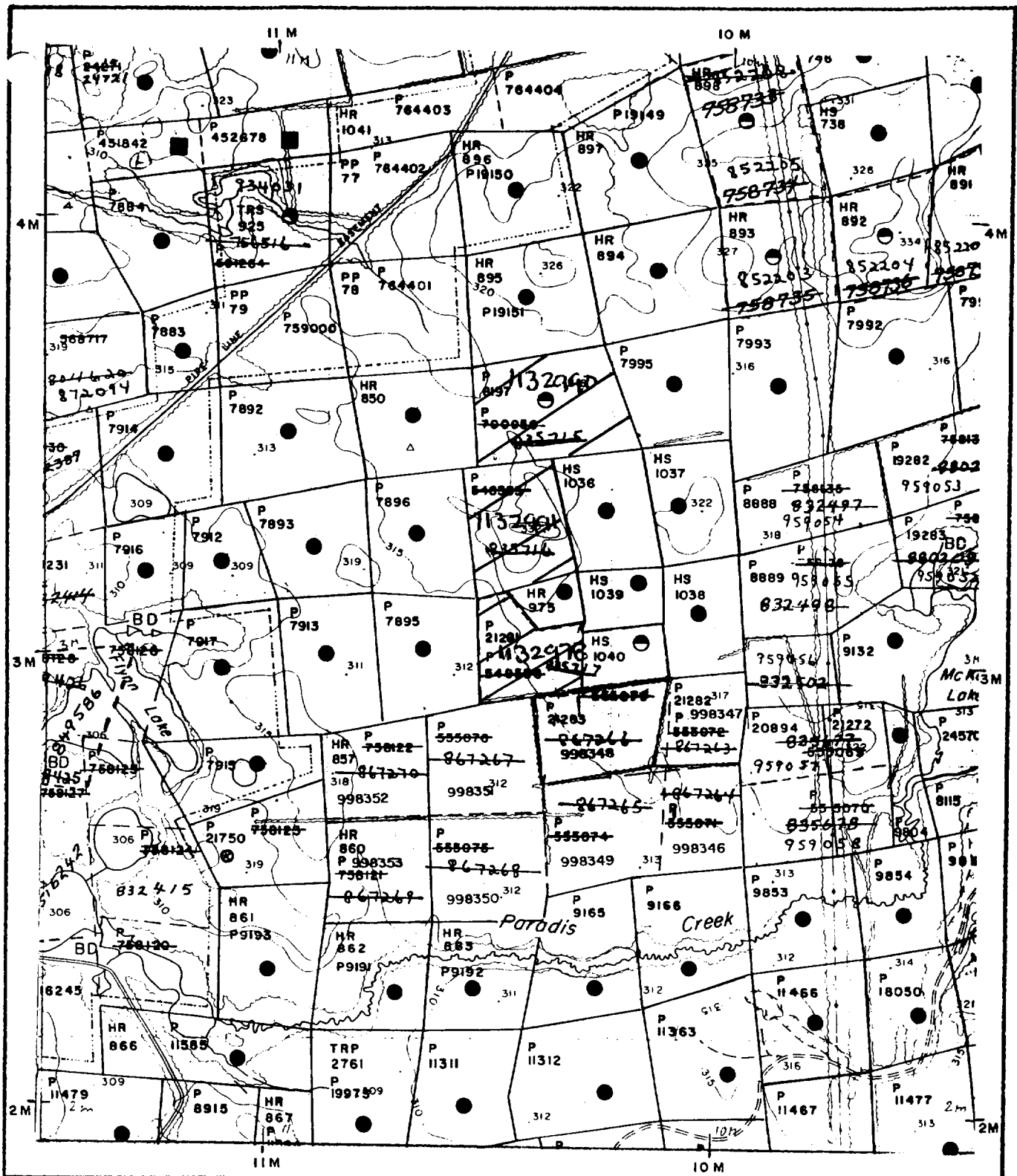
Water resources are available within the property. Mining supplies and manpower are located in Timmins and South Porcupine.



PROPERTY LOCATION

Scale 1"=32 miles

FIGURE 1



DELORO TOWNSHIP

PORTION OF CLAIM MAP NO. 63993

Scale 1:20000

FIGURE 2



## PREVIOUS WORK

Limited exploration has been conducted on all or parts of the claim group by previous owners. More recently, Canadian Nickel Company, in 1975, completed geological mapping and a magnetometer and VLF survey. Canamax also completed geological mapping in 1982. Noranda Exploration in 1984 and Findore Minerals Inc. in 1987 both completed magnetometer and VLF surveys. Assessment files pertinent to the claim block are T-1563, 1978, 2710 and 2791.

## GEOLOGY:

### Regional Geology:

The geology of the Timmins areas consists predominantly of Precambrian (Archean and Proterozoic) metavolcanics and metasediments. The Precambrian rocks were later covered partially by unconsolidated Cenozoic deposits (Figure 3). 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 (Figure 3). 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.

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 of shear folds. (Figure 4).

South of the Destor-Porcupine Fault and east-west trending series of folds produced a major structural domain known as the Shaw dome (Figure 5).

#### 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 felt the previous geological mapping was adequate on the claim block and as a result it would not be prudent to include another geological mapping program toward the outcome of this OPAP study.

The geology of the claim group consists predominantly of the middle to upper formations of the Deloro Group. The claims are underlain generally by north dipping east-west trending calc-alkaline basalts and andesites, pyroclastic rocks and sulphide to oxide facies iron formation. The Destor-Porcupine Fault is stratigraphically above these formations and is located approximately 3/4 of a mile northward.

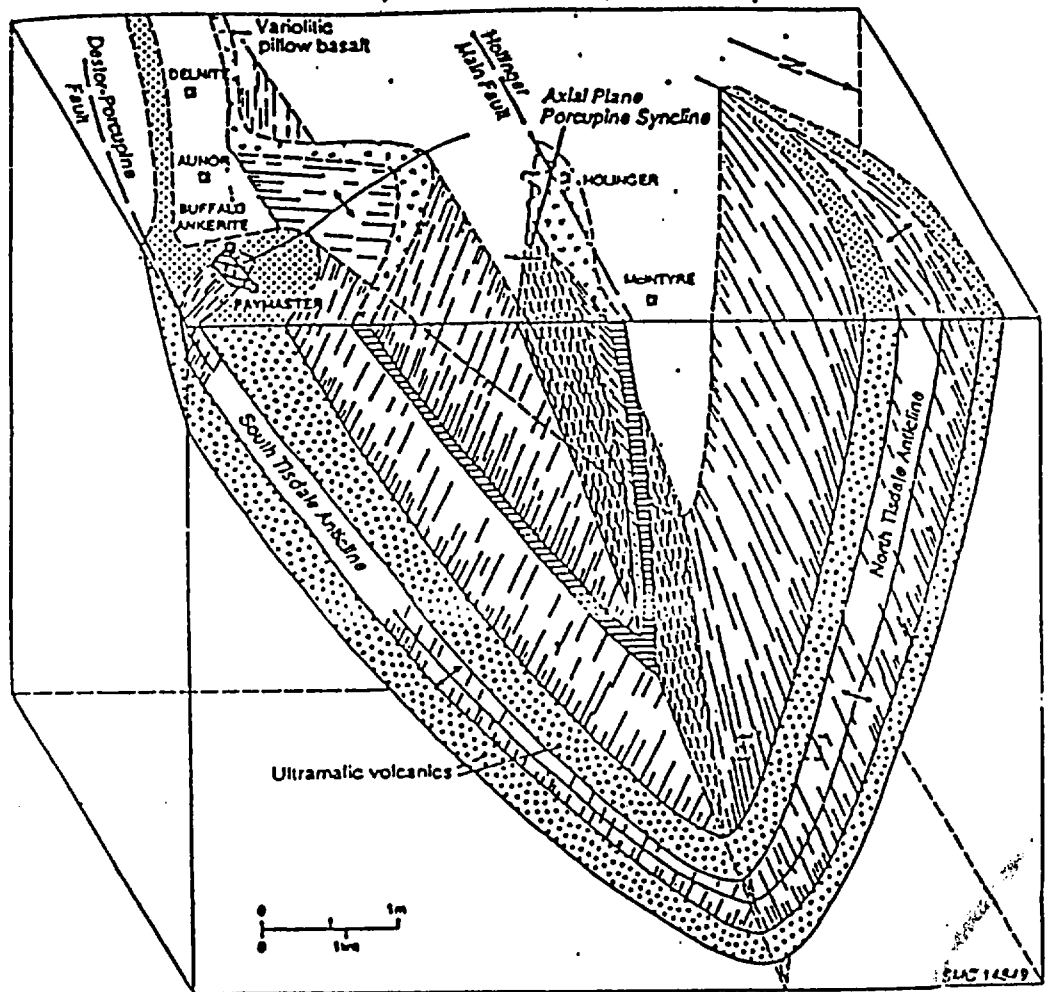


Figure 4-Diagrammatic sketch showing interpretation of main part of the Timmins gold camp; illustrates the refolding of an anticlinal structure (now represented by the South and North Tisdale Anticlines) about the easterly trending Porcupine Syncline.

Taken from D.R.Pyke's Report # 219, O.G.S.

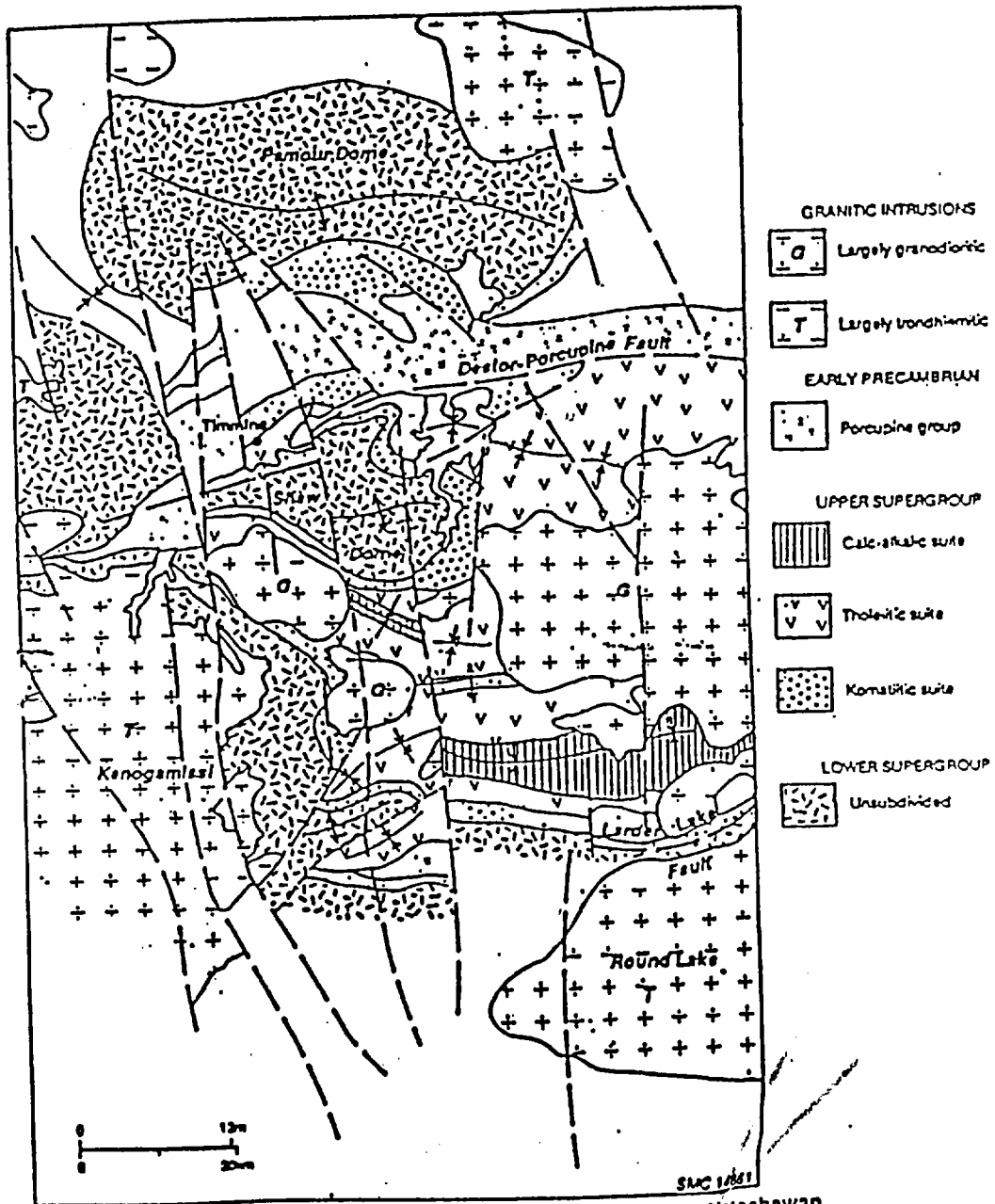


Figure 5 -Regional stratigraphy of the Timmins-Matachewan area.

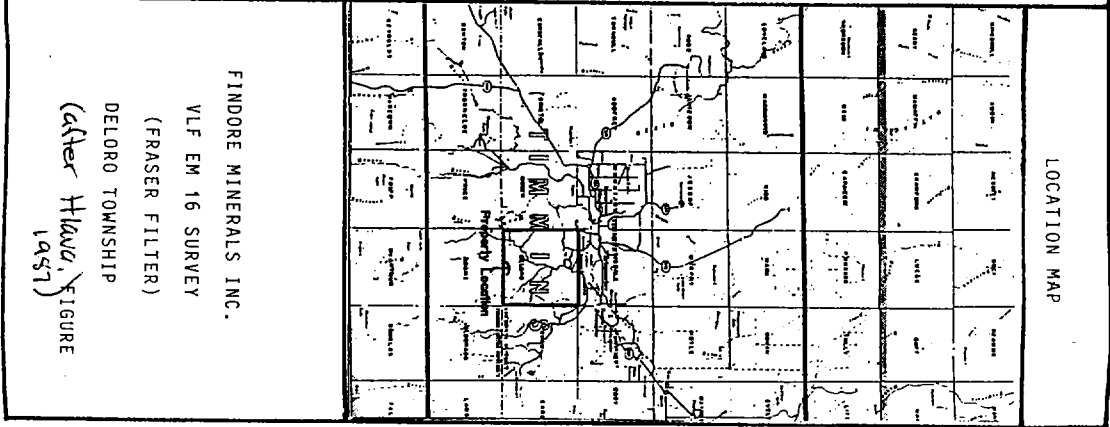
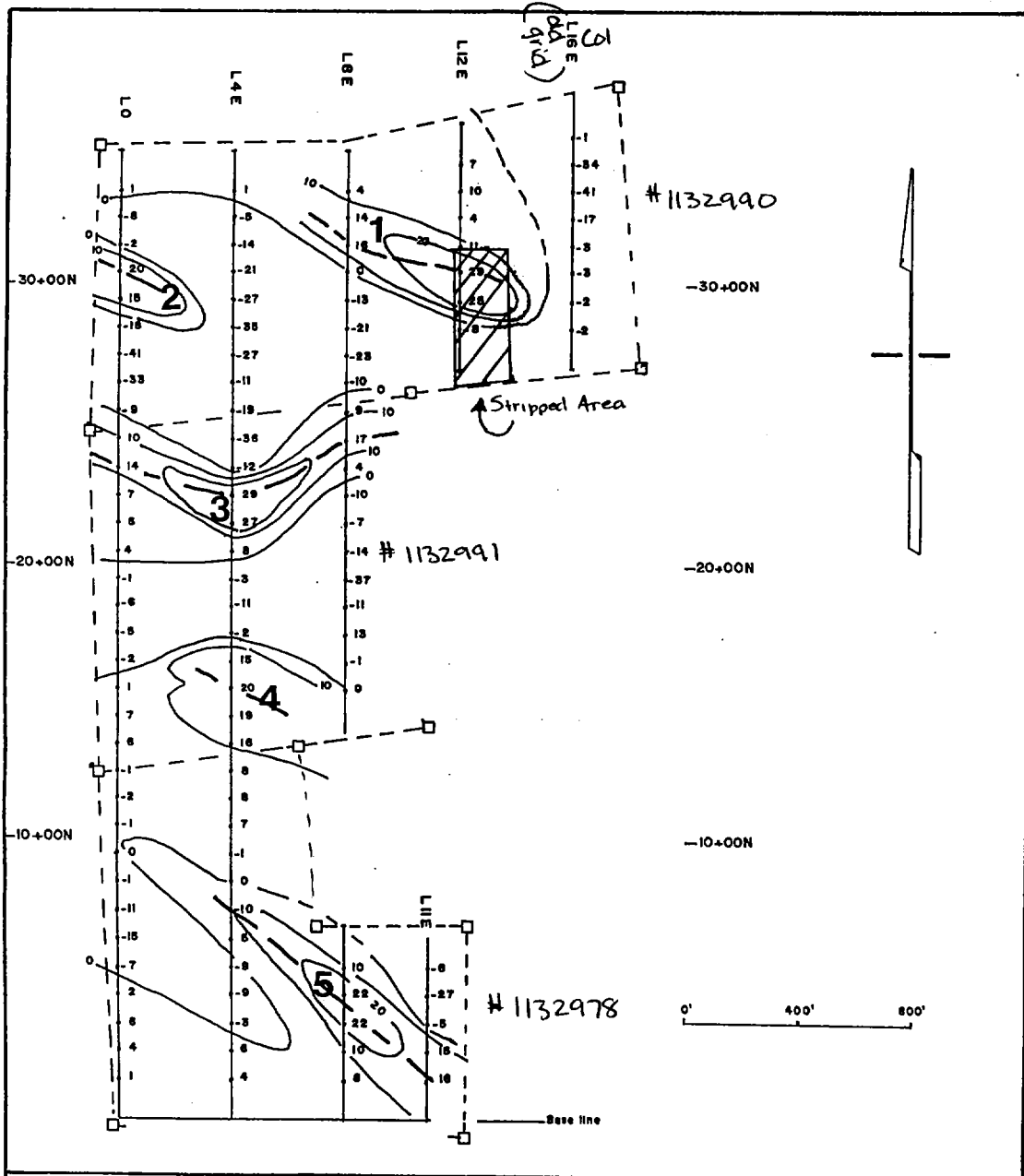
Taken from D.R.Pyke's Report # 219/ O.G.S.

Refer to Canamax's assessment file T-1978 for a more detailed account of the property geology.

A geophysical survey conducted by M. Hlava for Findore Minerals in 1987 outlined several conductive zones of interest (Assessment File T-2710). Of particular interest is "Anomaly 1" where a magnetometer high changed to a magnetometer low which corresponded to a VLF Fraser Filter signature of 29 (Figure 6). This anomaly was interpreted to be caused by alteration of the underlying strata (Hlava, 1987). Prior to this OPAP study, "Anomaly 1" was not tested for its' gold potential.

Scope of Program:

Compilation of existing data on the property concluded that a geology and several geophysical surveys adequately tested the claim block. Several zones of interest were detected, in particular "Anomaly 1" by Hlava (1987). This anomaly was never identified for its' gold potential. Prospecting of the area concluded that a major stripping/washing/mapping and sampling program of the near surface strata could explain "Anomaly 1" and locate, if any, any auriferous horizons.



Geology of Stripped Areas:

Pocket 1 has a completed map outlining the geology for all stripped areas, sample locations and gold results and the location to a nearby claim post (#2 post of 1132990).

The geology of the stripped area has verified that the stratigraphic location of the property belongs to the upper parts of the Deloro Group. North-northwest trending, northeast dipping intermediate to mafic volcanics, tuffs, felsic agglomerates and sulphide to oxide facies iron formations have all been intruded by a gabbro-type intrusion. No major offsets or shearing was observed. Local Fe-weathering of the mafic volcanics occurred proximal to the gabbro intrusive. Mineralization consisted of pyrite in small quartz rich veinlets which were located in minor concentrations throughout the volcanic package.

Assay Results of Stripped Areas:

A total of 16 grab samples were analyzed at Swastika Laboratories using conventional fire assay techniques using a 1 assay ton weight. Four of these samples were also analyzed using "geo-scan" techniques for Ag, Al, As, Bi, Ca, Cd, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, P, Pb, S, Sb, Sr, Th, U, V, W, and Zn. Refer to Appendix I for all assay results.

Of the 16 samples taken, 3 samples returned gold values well above the average for all 16 samples (255ppb Au). These are; sample # 4412 yielded 312ppb Au, #4411 yielded 730ppb Au and #4408 yielded a cheque value of 2800ppb Au. All 3 samples were taken from a sulphide (magnetite) rich iron formation proximal to the gabbro contact.

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

CONCLUSIONS AND OBSERVATIONS

- 1) Since 1975 several geological and geophysical surveys on the claim block identified several areas for further study.
- 2) Hlava's VLF signature and the mag high to mag low interpretation could be the result of the magnetite rich iron formation (mag high) abutting against the gabbro (mag low) intrusion. Local alteration does occur proximal to the gabbro intrusion in the mafic volcanics.
- 3) Anomalous gold values up to 2806ppb have been recorded from the exposed strata. The highest three gold values are associated in sulphide rich iron formation in close proximity to a gabbro intrusion. Local remobilization of gold bearing fluids may have taken place in this area.
- 4) The OPAP study was highly successful in locating, exposing and defining an anomalous area where gold mineralization is associated within iron formation in close proximity to a gabbro intrusion.



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 linecutting and a detailed magnetometer survey over and along strike of the anomalous area, paying special attention to any major magnetic variation in the underlying strata which may correlate with other iron formation/gabbro contacts. This program should also include detailed channel sampling of the area presently exposed as well as further stripping/washing/mapping/sampling of favourable areas detected by the magnetic survey. The success of this follow-up program could enhance the property to the diamond drilling stage.

Respectfully Submitted,



Kenneth 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 not have any interest in the property nor do I expect to have any interest in the property in the future.

Dated this 19th day of August 1990, Timmins, Ontario



Ken Lapierre, HBSc  
Consultant Geologist



Established 1928

Appendix 1  
**Swastika Laboratories**

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

**Geochemical Analysis Certificate**

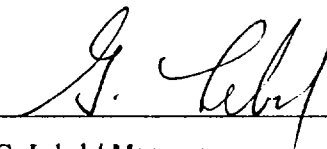
**0T-0399-RG1**

Company: **LAPIERRE EXPL. SERVICES**  
Project: **DELORO TWP-3**  
Attn: **KEN LAPIERRE**

Date: **AUG-01-90**  
Copy 1. P.O.BOX 1021, TIMMINS, ONT. P4N 7H6

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted JUL-30-90 by .

Sample Number	Au ppb	Au check ppb
4405	52	
4408	2825	2787
4412	312	
4420	26	

Certified by   
G. Lebel / Manager

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

**LAPIERRE EXPLORATION SERVICES INC.**

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

**(705) 267-7389**



# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

## Assay Certificate

OT-0400-RA1

Company: **LAPIERRE EXPL. SERVICES**  
Project: **DELOORO TWP-3**  
Attn: **KEN LAPIERRE**

Date: **AUG-02-90**  
Copy 1. P.O. BOX 1021, TIMMINS, ONT. P4N 7H6

We hereby certify the following Assay of 12 ROCK samples submitted JUL-30-90 by .

Sample Number	Au ppb
4406	12
4407	24
4409	Nil
4410	10
4411	727/734
4413	Nil
4414	Nil
4415	3
4416	14
4417	Nil
4418	35
4419	45/51

Au was determined using 1 AT fusions

Certified by

G. Lebel / Manager

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

LAPIERRE EXPLORATION SERVICES INC.

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

(705) 267-7389



Established 1928

# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

## Certificate of Analysis

Certificate No. OT-0399-R61 Date Aug. 14, 1990

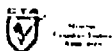
Received July 30, 1990 4 rock samples

Submitted by Lapierre Exploration Services, Timmins, Ontario proj# Deloro-Twp-3  
"GEO-SCAN"

	SAMPLE NO.	4405	4408	4412	4420
Ag PPM		<0.1	<0.1	<0.1	<0.1
* Al %		1.8	0.5	0.5	1.4
As PPM		<10	<10	<10	<10
Bi PPM		<10	13	13	<10
* Ca %		0.7	4.5	4.5	0.4
Cd PPM		<10	17	17	10
Co PPM		123	102	106	108
* Cr PPM		257	367	367	430
Cu PPM		719	312	313	531
Fe %		8.3	13.5	13.5	8.3
* Mg %		1.3	0.1	0.1	0.9
Mn PPM		477	921	925	380
Mo PPM		<10	<10	<10	<10
Ni PPM		118	65	65	69
P %		0.06	0.1	0.1	0.07
Pb PPM		83	90	83	66
S %		2.9	3.1	3.1	6.6
Sb PPM		<10	<10	<10	<10
Sr PPM		42	23	23	28
Th PPM		<10	10	10	<10
U PPM		40	104	132	35
* V PPM		34	22	22	25
* W PPM		<10	<10	<10	<10
Zn PPM		60	43	44	44

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

Per *G. Lebel*  
G. Lebel, Manager/dg



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

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**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 1Z6

**MINISTRY OF NORTHERN DEVELOPMENT AND MINES**

OCT 11 1990

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

Name Denis Collin File Number OP90-507

Proposed Project Areas(s) (Twp. or Claim Map Name),	Completed?
1. <u>Deloro Township</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)  
no reconnaissance geological survey was completed as  
prospecting of ground verified mapping by Canamax in 1982

List of Other Co-owners of the Property that Worked on Project  
Ray Collin OP90-506

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

1. Project area/name <u>Deloro Township-Collin Property</u>		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 <u>backhoe</u>	_____
Other	type <u>pick, shovel, washing of exposed outcrop</u>	<u>35</u>
	<u>slashing</u> TOTAL	<u>35</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 _____	_____
	<b>TOTAL</b>	_____
<b>TOTAL DAYS (ALL PROJECTS)</b>	<b>A.</b>	_____

(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 31, 1990	Lapierre Eng. Serv. Inc	geologist	\$ 1400.00
August 31, 1990	Swaatika Labs.	for assay	250.00
August 31, 1990	Alquest	backhoe + equip.	4600.00
_____	_____	_____	_____
_____	_____	_____	_____
Mileage rate claimed _____	_____	km at 30¢/km. ....	_____
(Attach additional sheets as required)			
	<b>TOTAL</b>		<u>6250.00</u>

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

1. Number of Working Days (A) x \$100/day .....	35 days	\$ <u>3500.00</u>
2. Analyses/Assay Costs .....		\$ <u>250.00</u>
3. Equipment Rentals/Supplies .....		\$ <u>4600.00</u>
4. Contract Services (State Type) .....	geological consultant	\$ <u>1400.00</u>
5. Travel (state method: road, air, etc.) .....		\$ _____
6. Food and Accommodation .....		\$ <u>350.00</u>
7. Other Expenses (Specify) .....		\$ _____
<b>TOTAL EXPENDITURES .....</b>		\$ <u>10,100.00</u>

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

Day	Project Area	Date	Work Performed
1	Debro Top-Collin Prop	April 30/90	rebrushing old lines
2	"	May 1	slashing of brush
3	"	" 2	"
4	"	" 3	"
5	"	" 4	"
6	"	" 5	pick, shovel, washing outcrop
7	"	" 6	"
8	"	" 7	"
9	"	" 8	"
10	"	" 9	"
11	"	" 10	"
12	"	" 11	"
13	"	" 12	"
14	"	" 13	"
15	"	" 14	"
16	"	" 15	"
17	"	" 16	"
18	"	" 17	"
19	"	" 18	"
20	"	" 19	"
21	"	" 20	"
22	"	" 21	"
23	"	" 22	"
24	"	" 23	"
25	"	" 24	"
26	"	" 25	"
27	"	" 26	"
28	"	" 27	"
29	"	" 28	"
30	"	" 29	"
31	"	" 30	"
32	"	" 31	"
33	"	June 01	"
34	"	" 02	"
35	"	" 03	de-mob equipment
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>Delora Twp</u>	<u>nanfm.</u>	<u>Au</u>	<u>2800 ppb Au</u>

**VI. CLAIMS STAKED DURING/AFTER PROSPECTING ACTIVITY**

Project Area	Claim Numbers	Number of Claims
<u>Delora Twp</u>	<u>Nil</u>	<u>Nil</u>

**VII. OPTION AGREEMENTS RESULTING FROM OPAP PROJECT**

Optionee	Property/Claims	Dollar Value of Work Commitment
<u>Nil</u>		

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.**

Personal information on this form is obtained under the authority of the Ontario Mineral Exploration Act, 1989, sections 2, 3 and 4 and the Ontario Prospectors Assistance Program Regulation, sections 4, 5 and 6. The financial and technical information will be used for the purpose of determining the eligibility of the applicant to

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 Dennis Collin Date SEPT 10 / 90

Name (print) DENIS COLLIN

- FINAL BUDGET COMPILATION

	<u>COST</u>
1. Compilation of assessment data: contractor : 1 day	... 200
2. Rebrushing old lines: applicants 1 day x 2	... 200
3. Prospecting: contractor: 1 day	... 200
4. Slashing of brush: co-applicants: 4 day x 2	... 800
5. Pick/shovel/washing: applicant - Dennis Collin: 30 days	... 3,000
6. Backhoe operator: applicant - Raymond Collin: 30 days	... 3,000
7. RENTAL: Backhoe, fuel, Wajax pump, water hoses, shovels, picks, chainsaws(2), mob-demob 4 weeks rental: <sup>\$</sup> 2300/wk	... 9,200
8. Detailed mapping, sampling, report compilation	... 2,400
9. Co-applicants food: 35 days x 2 x \$10	... 700
10. Co-applicants travel: 3 x 25kms x .30 x 35 days	... 265.5
11. Assays: 16 samples (20 assays)	... <u>250.</u>
TOTAL COST .....	\$20,215.50



**EXSICS EXPLORATION LIMITED**  
CONTRACTING & CONSULTING GEOPHYSICS

Tel. (705) 267-4151

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

INVOICE #: 795  
PROJECT #: E-369

ON ACCOUNT WITH: Raymond & Denis Collin  
174 Bannerman Street  
TIMMINS, ONTARIO

RE: Equipment Rental for the Period of May 5 - June 3, 1990

AT A RATE OF:

Rental charges for the Backhoe, fuel, wajax pumps, water hoses,  
shovels, picks, chainsaws (2), mob and demob:

4 Weeks Rental @ \$2300.00/week.....\$9,200.00

TOTAL OF THIS INVOICE: \$9,200.00

DATE: September 21, 1990

SIGNED: \_\_\_\_\_

*Raymond Collin paid in full*

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

August 31, 1990.

R. Collin/D. Collin  
174 Bannerman  
Timmins, Ontario  
P4N 2Y6

Re: OPAP Study #90-506 & #90-507

Invoice # 0209

Dear Sirs,


Enclosed please find a completed final report on your Deloro Township Property.

This invoice is for services rendered on this property and is now payable.

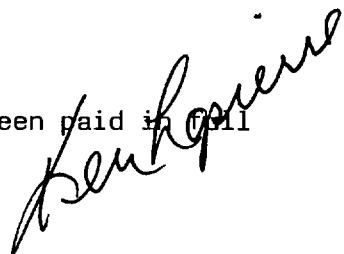
The services completed, among other things, included compilation of existing assessment data at the Ministry of Northern Development and Mines, prospecting of the property to confirm Canamax's geological survey, location of the areas to be explored, detailed mapping of the exposed areas, sampling and assaying of any areas of interest and the final report for the OPAP Study which can be applied for assessment credits on your property.

TOTAL CONTRACT PRICE OF THE ABOVE SERVICES.....\$2,800.00

Best regards,

  
Ken Lapiere HBSoc.  
Consultant Geologist

This invoice has been paid in full



LAPIERRE EXPLORATION SERVICES INC.

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

(705) 267-7389

22903



**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 SOLD 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.	YOUR ORDER NO.	OUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITE QUANTITY	DESCRIPTION			PRIX UNITAIRE UNIT PRICE	MONTANT AMOUNT
4	Geo Scans Cert.#OT-0399-RG1 Aug. 14, 1990			Labo 3 \$ 12.50	\$ 50.00
1	Geo Scan Cert.#OT-0410-RM1 Aug. 14, 1990			[REDACTED]	[REDACTED]
3	Geo Scans Cert.#OT-0430-RA1 Aug. 14, 1990			[REDACTED]	[REDACTED]
<i>pol TD#026 Aug 31/90</i>					
<b>TOTAL</b>					<b>\$ 100.00</b>

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
 ESTABLISHED 1928



22809



**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 SOLD 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.	YOUR ORDER NO.	OUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITE QUANTITY	DESCRIPTION			PRIX UNITAIRE UNIT PRICE	MONTANT AMOUNT
4	Au assays			\$ 8.75	\$ 35.00
4	Sample handling Cert.#OT-0399-RG1 Aug. 1, 1990			3.00	12.00
12	Au assays using 1 AT fusions			9.75	117.00
12	Sample Handling Cert.#OT-0400-RA1 Aug. 2, 1990			3.00	36.00
<i>Ray Collins pol TD#D76 Aug 31/90</i>					
<b>TOTAL</b>					<b>\$ 200.00</b>

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
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22809



SWASTIKA LABORATORIES

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



VENDU A SOLD 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.	YOUR ORDER NO.	OUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITE QUANTITY	DESCRIPTION			TERMS	MONTRANT AMOUNT
				PRIX UNITAIRE UNIT PRICE	
4		Deloro Twp-3		\$ 8.75	35.00
4		Sample handling		3.00	12.00
		Cert.#0W-0399-RG1 Aug. 1, 1990			
12		Au assays using 1 AT fusions		9.75	117.00
12		Sample Handling		3.00	36.00
		Cert.#0T-0400-RA1 Aug. 2, 1990			
				TOTAL	\$ 200.00

Ray Collins  
pdt TD# 076  
Aug 31/90

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
ESTABLISHED 1928

22903



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 SOLD TO

Lapierre Exploration Services  
Box 1021  
Timmins, Ontario  
P4N 7H6

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

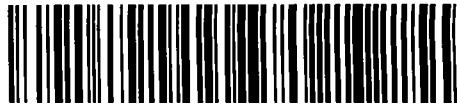
NO. D'EXEMPT. DE TAXE FED.	NO. D'EXEMPT. DE TAXE PROV.	VOTRE NO. DE COMMANDE	NOTRE NO DE COMMANDE	CONDITIONS	REP. DES VENTES
FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITE QUANTITY	DESCRIPTION			TERMS	MONTRANT AMOUNT
				PRIX UNITAIRE UNIT PRICE	
4		Deloro 3		\$ 12.50	\$ 50.00
		Geo Scans			
		Cert.#0T-0399-RG1 Aug. 14, 1990			
1		Geo Scan			
		Cert.#0T-0410-RM1 Aug. 14, 1990			
3		Geo Scans			
		Cert.#0T-0430-RA1 Aug. 14, 1990			
				TOTAL	\$ 100.00

pdt TD# 076  
Aug 31/90

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
ESTABLISHED 1928



Ontario



42A06NW1156 2.13910 DELORO

900

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. 9106.00029  
Our File: 2.13910

April 13, 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 13, 1991 for Geological  
Survey on mining claims P. 1132990 in the Township of  
Deloro.

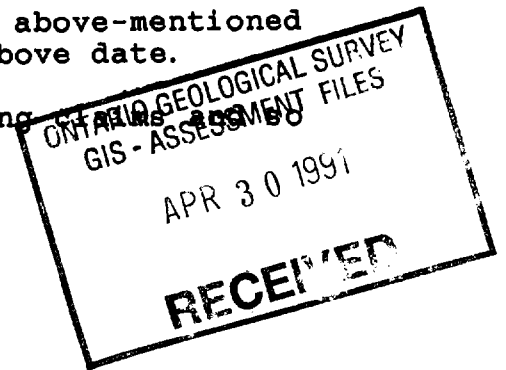
-----  
The assessment work credits, as listed with the above-mentioned  
Notice of Intent have been approved as of the above date.

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

Yours sincerely,

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

AS  
LJS/jl



cc: Mr. Raymond Collin  
Timmins, Ontario

Ken Lapierre  
Timmins, Ontario

Resident Geologist  
Timmins, Ontario

Recorded Holder Raymond Collin  
 Township or Area Deloro

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	P 1132990  NOTE: Recorded Holder filed his work under Section 77(19) but it was mapping, therefore, it should be filed under manday geology. Assays will receive credit if a report of work is filed with mining recorder.
<b>Section 77 (19) See "Mining Claims Assessed" column</b> Geological <u>21</u> _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 80.



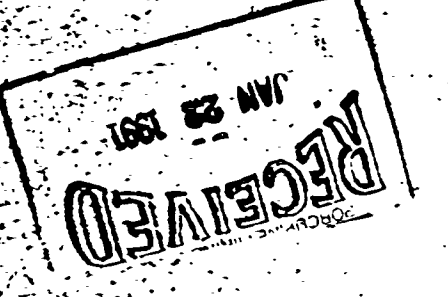
**MAP SYMBOLS**

<b>General</b>	<b>Water</b>
Boundary	Water
Settlement	Water
Highway	Water
Trunk Road	Water
Secondary Road	Water
Footpath	Water
Canal	Water
Drainage	Water
Stream	Water
Swamp	Water
Marsh	Water
Woods	Water
Fields	Water
Grassland	Water
Barren Land	Water
Rock	Water
Cliff	Water
Ice	Water
Snow	Water
Perennial Stream	Water
Intermittent Stream	Water
Non-Perennial Stream	Water
Flooded Land	Water
Leak	Water
Marsh or Swamp	Water
Mud	Water
Mine Head Frame	Water
Outcrop	Water
Power Lines	Water
Telephone Lines	Water
Gas Lines	Water
Oil Lines	Water
Water Lines	Water
Sanitary Sewer Lines	Water
Storm Sewer Lines	Water
Drainage Lines	Water
Canals	Water
Ditches	Water
Wells	Water
Water Towers	Water
Reservoirs	Water
Dams	Water
Locks	Water
Wharves	Water
Docks	Water
Piers	Water
Wharves, Docks, Piers	Water
Wooded Area	Water

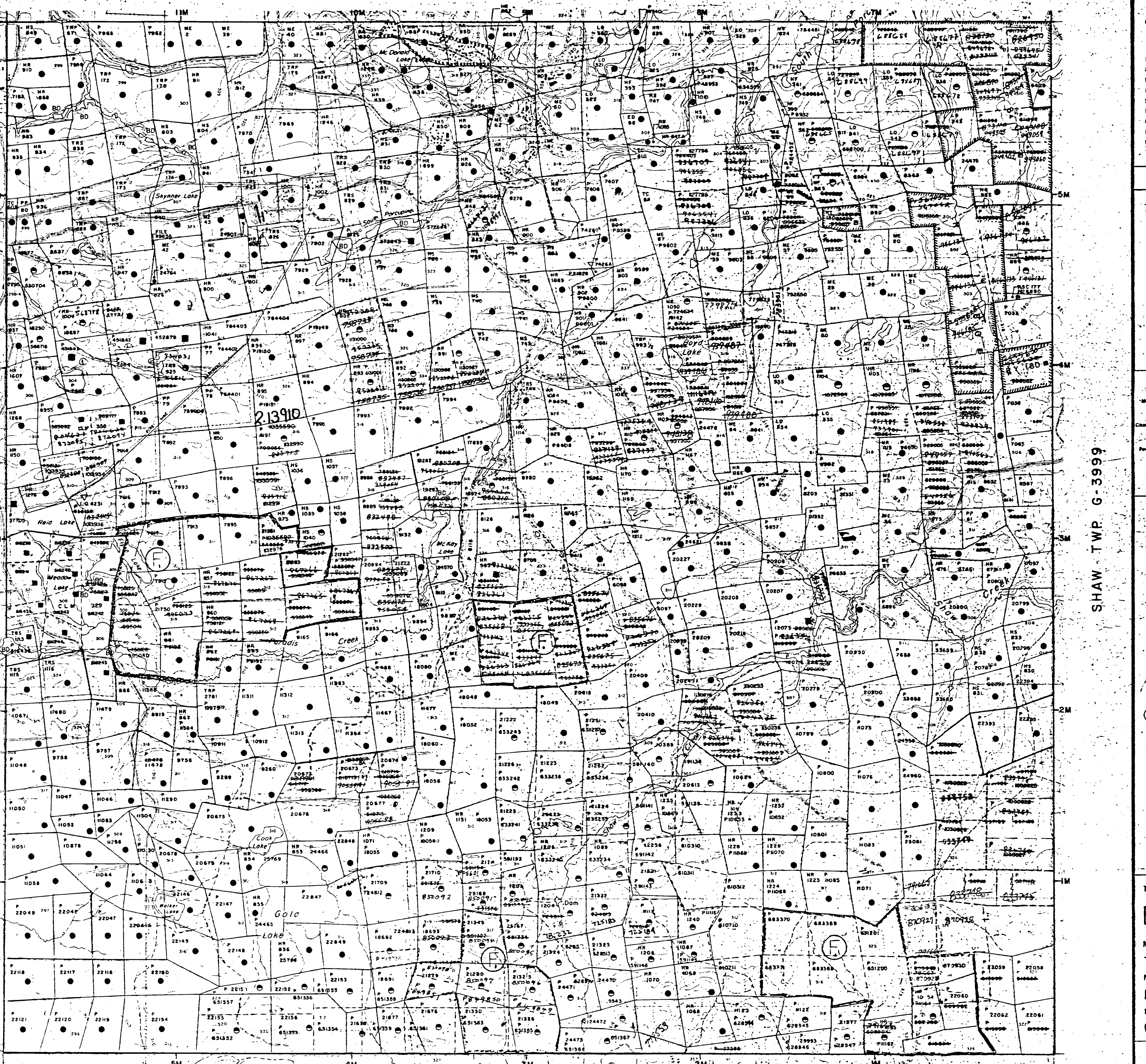
**AREAS WITHDRAWN FROM DISPOSITION**

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

Order No.	Date	Disposition	File
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THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF



OGDEN TWP. G-3979

SHAW TWP. G-3999

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
SURFACE RIGHTS ONLY	◒
MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	◔
ORDER IN COUNCIL	◕
RESERVATION	◖
CANCELLED	◗
SAND & GRAVEL	◘

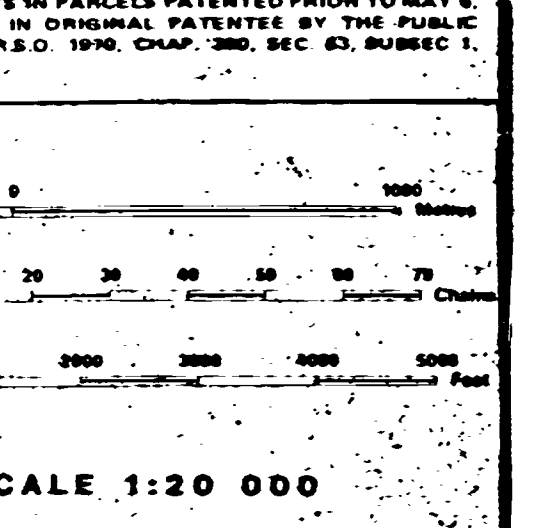
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1940, CHAP. 206, SEC. 63, SUBSEC. 1.

**DISPOSITION OF CROWN LANDS**

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
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SURFACE RIGHTS ONLY	◒
MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	◔
ORDER IN COUNCIL	◕
RESERVATION	◖
CANCELLED	◗
SAND & GRAVEL	◘

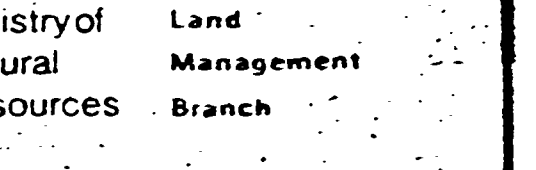
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1940, CHAP. 206, SEC. 63, SUBSEC. 1.

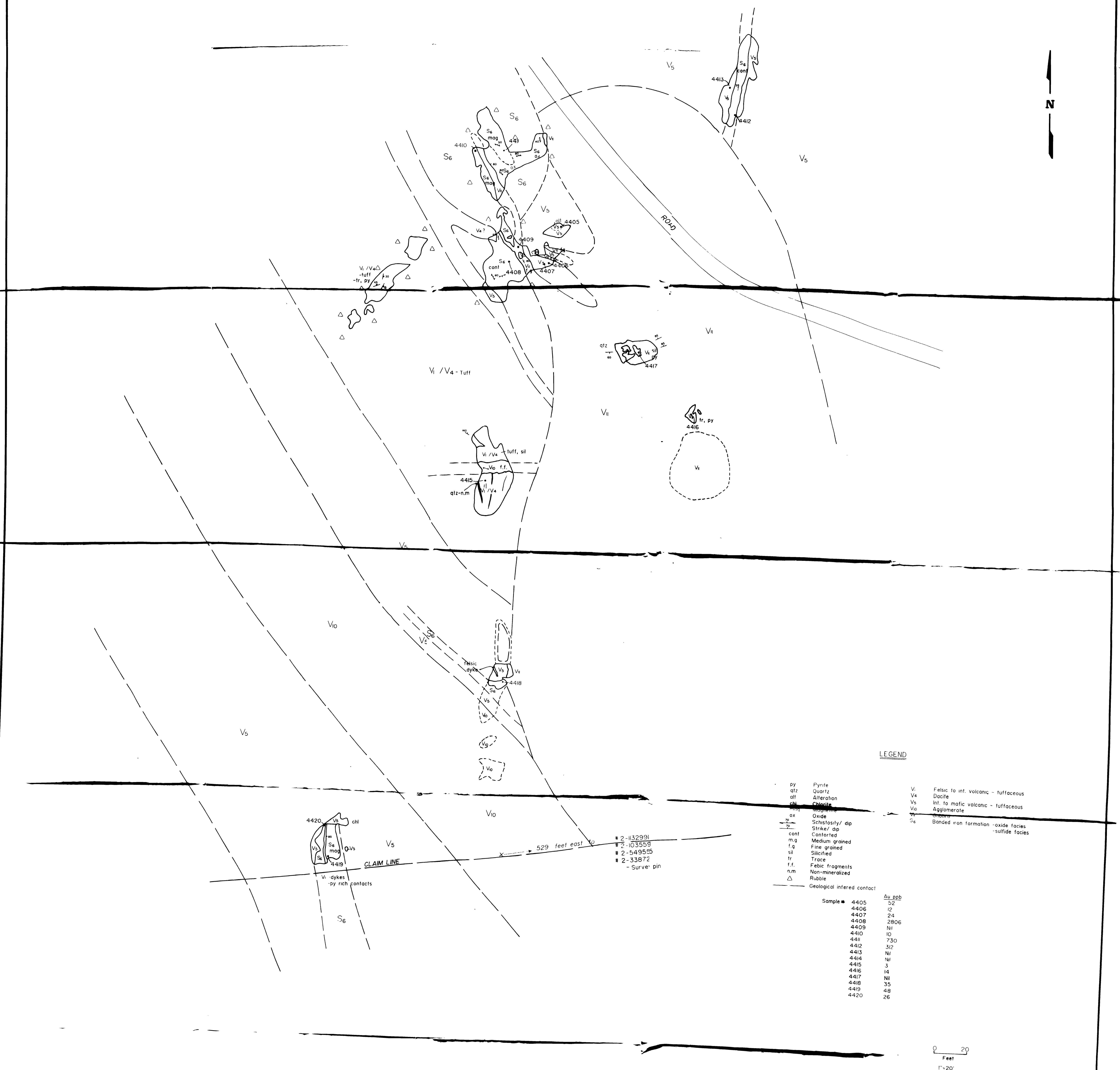
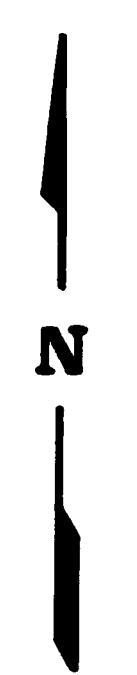


**NOTES**

- REGISTERED PLAN OF SUBDIVISION
- MINING CLAIMS SHOWN WITHIN THIS AREA ARE SUBJECT TO THE RIGHTS AND PRIVILEGES GRANTED UNDER AN EASEMENT ORDER DATED MAY 19, 1937 TO DELNITE MINES LTD.
- DOMESTIC MINES, LIMITED SURFACE RIGHTS LEASE #103926
- APPLICATION UNDER P.L.A. FOR SURFACE RIGHTS... DUCKS UNLIMITED CANADA
- THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1990. FURTHER INFORMATION AVAILABLE ON FILE

TOWNSHIP  
**DELORO**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
 MINING DIVISION  
**PORCUPINE**  
 LAND TITLES / REGISTRY DIVISION  
**COCHRANE**



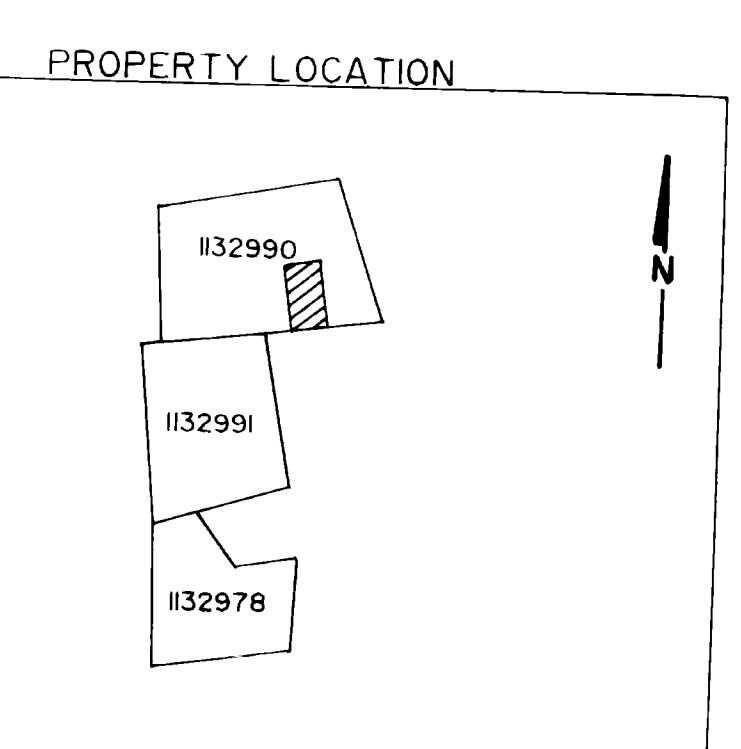
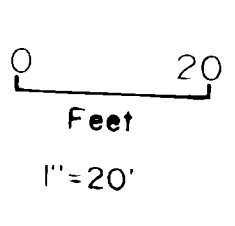


LEGEND

- py Pyrite
- qtz Quartz
- alt Alteration
- chl Chlorite
- mag Magnetite
- ox Oxide
- Sch Schistosity/ dip
- Strk/ dip Strike/ dip
- cont Contorted
- m.g Medium grained
- f.g Fine grained
- sil Silicified
- fr Trace
- f.f Felsic fragments
- n.m Non-meridized
- △ Rubble
- Geological inferred contact

Sample #	Au ppb
4405	52
4406	12
4407	24
4408	2806
4409	Ni
4410	10
4411	730
4412	312
4413	Ni
4414	Ni
4415	3
4416	14
4417	Ni
4418	35
4419	48
4420	26

- 2-1132991
- 2-103555
- 2-549555
- 2-33872
- Survey pin



DELORO TWP.  
1:20,000



**2-13910**  
DELORO TOWNSHIP  
COLLIN PROPERTY  
OPAP # OP 90-506  
OP 90-507

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