REPORT ON THE GEOLOGICAL SURVEY FOR THE MAGNESITE CLAIMS

DELORO TOWNSHIP

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

ONTARIO

BY

PAMOUR PORCUPINE MINES LIMITED

EXPLORATION DEPARTMENT

SEPTEMBER, 1984

INTRODUCTION

Geological mapping has been carried out on 14 claims located in south-central Deloro Township, Porcupine Mining Division, District of Cochrane, Ontario.

The fieldwork was conducted by Tracy Hurley between July 12th and August 30th, 1984. Compilation, interpretation and report was completed by September 7th, 1984, by Tracy Hurley, Assistant Geologist, Exploration Department, Pamour Porcupine Mines Limited.

LOCATION AND ACCESS

The Magnesite Property is located approximately 11.5 kilometers south of Schumacher, Ontario, in the south-central part of Deloro Township (Figures 1,2).

Access is via Pine Street, south from Timmins to the Mountjoy River Forest Access Road, east on this road to the hydro line, then east and north on a bush road approximately 2.75 kilometers to the southern boundary of claim 591580. The entire property is accessible via this bush road and cut grid.

TOPOGRAPHY AND VEGETATION

The property is dominated by low relief and extensive swamp cover. The swamp varies from dominantly spruce, to cedar, alder and mixed swamp.

A moderate topographic ridge extends east-west across the central area of the property and is chiefly vegetated by spruce and poplar with variable amounts of balsam and birch.

PROPERTY

The following claims (see Figure 3.) 591322 to 591324 were recorded on June 1st, 1981. The claims 591575 to 591580 were recorded on June 6th, 1981. The claims 724612, 724613 were recorded on August 8th, 1983, and 725183, 725184, 781232 on February 28th, 1984. The property is owned 100% by:

Pamour Porcupine Mines Limited
P.O. Bag 2010,
Timmins, Ontario.
P4N 7X7

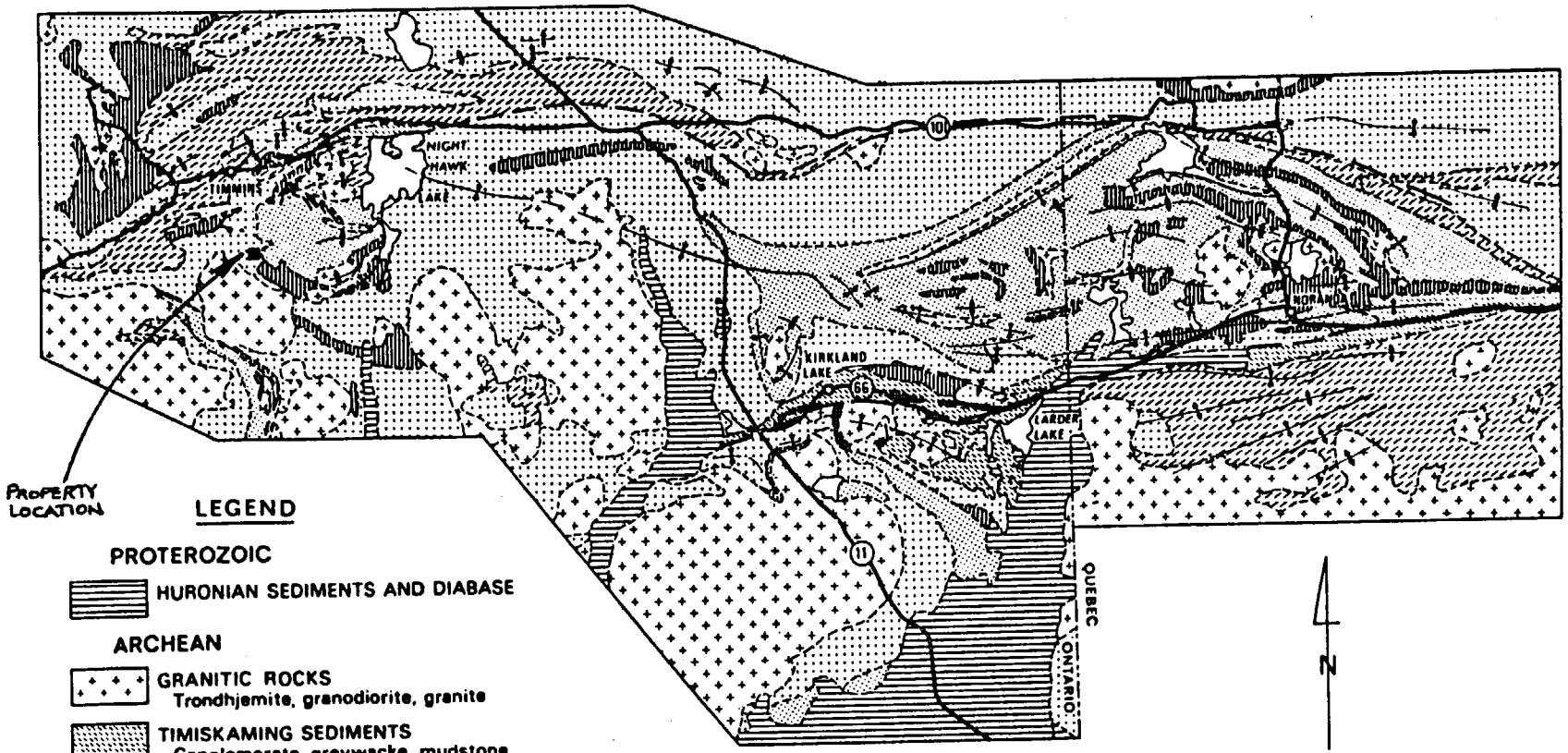
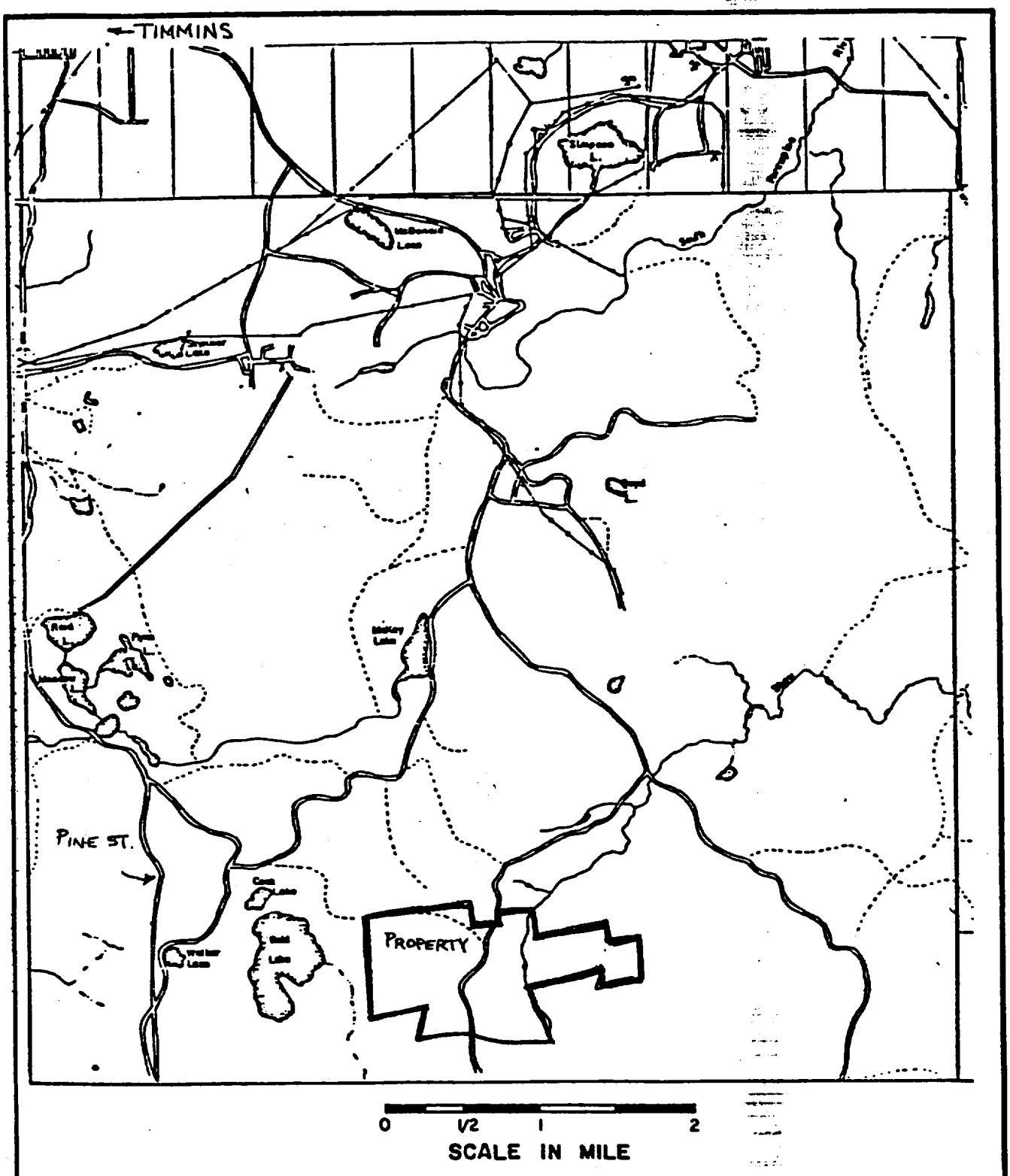


FIGURE 1. Location Map.

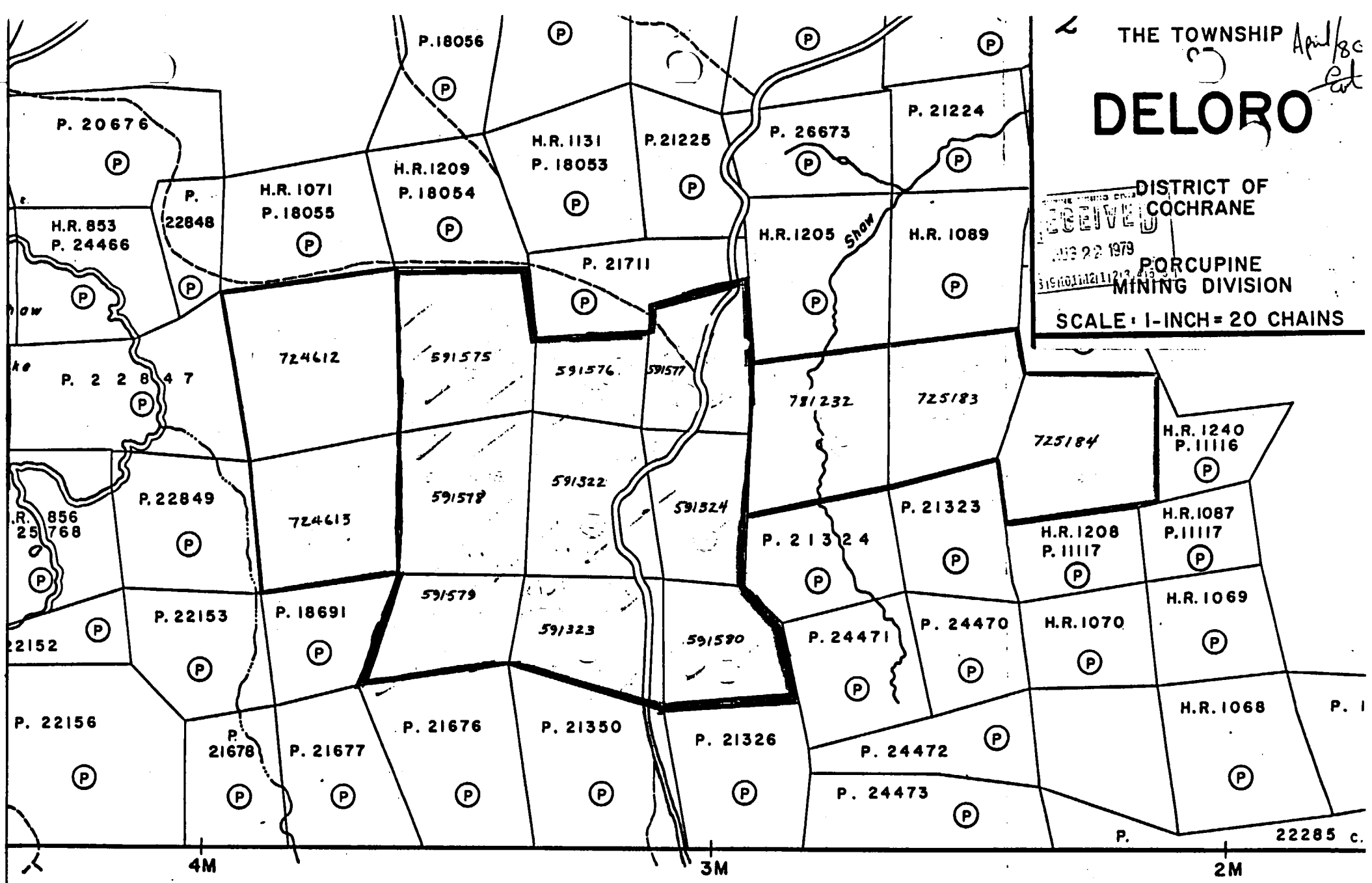


PAMOUR PORCUPINE MINES LIMITED PAMOUR, ONTARIO

DELORO TOWNSHIP LOCATION MAP

D-

FIGURE 2. Location Map



ADAMS TWP. M-261

FIGURE 3. Claim Locations.

PREVIOUS WORK

The Magnesite Property was previously owned by Canadian Magnesite Mines Ltd. Canadian Magnesite acquired the property in 1962 from Porcupine Southgate Mines Ltd. During 1945 and 1946 the latter company carried out an extensive gold exploration program. Twenty-nine diamond drill holes were drilled with a total footage of 26,603 feet. In addition the area was geologically mapped at 1 inch to 500 feet. Due to the lack of significant gold-bearing zones the work was discontinued at the end of the 1946 field season (Lawrence, 1962).

Upon acquiring the property in 1962, Canadian Magnesite Mines Ltd. concentrated its work on chemical and industrial testing with the intent to recover talc and/or magnesite from the altered ultramafic rocks (Kretschmar and Kretschmar, 1980).

Following Pamour's acquisition of the claims 591575 to 591580 and 591322 to 591324 in 1981, a magnetic survey was completed in 1982 and a VLF-EM survey was completed in 1983.

A geological survey (the subject of this report) has been carried out for the above mentioned claims as well as the remaining claims 724612, 724613, 781232 and 725183.

REGIONAL GEOLOGY

Deloro Township is located within the western portion of the Abitibi Greenstone Belt of the Superior Structural Province. Detailed descriptions of the regional geology may be found in many government publications including Pyke (1982).

Within the township the dominant lithologies are felsic to intermediate and mafic calc-alkaline metavolcanics, with lesser tholeiitic metavolcanics and ultramafic intrusives. Iron formation, mafic intrusives and felsic plutons also occur within the township.

The majority of lithological units have been affected by regional metamorphism and to some extent contact metamorphism attributed to the Adams Pluton lying directly to the south.

LOCAL GEOLOGY

This property consists predominantly of carbonatized Archean mafic to intermediate metavolcanics and altered Archean ultramafic intrusives with lesser amounts of mafic and felsic intrusive rocks.

Volcanics

The volcanics located in the south-central area of the property consist of fine-grained massive and amygdaloidal flows. The amygdaloidal flows are characterized by subangular chert fragments (1 to 2 cm size) in a moderately silicified fine-grained matrix.

The volcanics are pervasively carbonatized which is reflected in a light- grey fresh surface. Weathered surfaces are usually grey to tan in colour.

From the base line (see map) southwards the volcanics are quite highly deformed exhibiting a strong foliation which strikes 75-90 degrees and dips vertical. Small-scale tight folding of the foliation and narrow quartz veining is common. A secondary foliation of dominantly 60 degree strike and vertical dip occurs in a relatively narrow zone of 100-150 feet. Quartz veining along this foliation is offset by the 90 degree foliation. Hence the 60 degree deformation zone may predate the regional 90 degree deformation.

Volcanics to the north are also pervasively carbonatized. Foliation is dominantly 80-95 degrees and dips from 85 degrees to vertical. Massive flows are most common with some fragmental zones and occasional breccia. Fragmental zones in the south are evidenced by thinly stretched gossaned pods and chloritic fragments. Relatively narrow pillowed flows with tops to the north are also present.

Pyroclastics are rare on the property however one small unit is evident north of the main peridotite-dunite intrusive from 15W to 24W.

In one area the volcanics are altered to a chlorite-carbonate (plus biotite) schist with disseminated arsenopyrite. This alteration zone has been considered part of the magnesite body by Kretschmar and Kretschmar (1980). It is similar in its brown weathered surface and presence of quartz veining across the outcrop. However, due to the presence of a pillowed flow within the zone and the gradational change into less altered volcanics to the south, it seems unlikely that this represents an altered peridotite. A chlorite-carbonate schist is also present north of the main diabase intrusion.

The volcanics in the area commonly contain minor disseminated pyrite.

Ultramafic Intrusives

Peridotite-dunite

The main peridotite-dunite body occurs in the southwestern portion of the property. Here it is fine-grained and aphanitic, with a dark-black fresh surface and brown weathered surface. Green serpentine occurs in the matrix and along fractures and joint planes. The degree of serpentine alteration is variable over the intrusive body. Other than the presence of planar and polygonal jointing over the outcrop, the intrusive is massive in appearance. Pyrite may occur as minor disseminations in the matrix.

Serpentinite

The eastern portion of the property is dominated by a pervasively serpentinized ultramafic intrusive, var. serpentinite. The style of serpentine alteration here creates a unique texture on the weathered surface. Entire outcrop surfaces exhibit a 5-10 mm scale rounded to polygonal shaped fracture pattern. The fresh surface of the serpentinite is green and black and as with the peridotite-dunite, the weathered surface is characteristically brown. Planar and polygonal jointing is also a common feature to the outcrop.

A low degree of magnesite alteration is seen in the southern serpentinite bodies. Magnesite occurs in small amounts in the matrix and in narrow veins. Where magnesite veining becomes extensive, the weathered surface is dark-brown in colour.

Magnesite

Massive magnesite bodies occupy the central region of the property. Weathered surfaces range from dark brown in the east to a distinctive blackish-brown colour in the west where the main magnesite "ore body" occurs. Fresh surfaces are colourful reflecting the various colours of magnesite present. The most common colours of magnesite in the area are yellow, green, and shades of pink and orange.

These magnesite bodies are composed essentially of a granular to schistose magnesite matrix hosting a network of magnesite and quartz veining. The quartz veins range from 1 cm to over a metre in thickness. In the main magnesite "ore body" the quartz occurs in a variety of patterns from ladder, "stitched" and "bowtie" veinlets to massive joint and fracture-filled veins. The quartz is coarse-crystalline white and lacks any visible sulphides. A typical frequency of quartz veining is seen near the main pit where 5 cm wide veins occur 72 cm to 3.6 metres apart.

Though the presence of talc has been recorded by previous authors (Kretschmar and Kretschmar, 1980), its presence as a secondary mineral to magnesite is rare. Minor talc was noted at one outcrop west of the main magnesite "ore body".

Mafic Intrusives

A large olivine diabase sill extends east-west across the central zone of the property intruding both the volcanics and ultramafics. It is distinguished by its light-brown weathered surface and medium-grained crystalline dark greenish-black fresh surface. The diabase often contains disseminated pyrite in the matrix, and a regular joint pattern on the outcrop.

A highly altered gabbroic intrusion occurs in the southern district of the property, intruding the strongly altered volcanics. Where alteration is less intense the intrusive is seen to be composed chiefly of plagioclase and ferromagnesiums. The gabbro becomes a biotite-chlorite (plus carbonate) schist in the highly altered areas.

Felsic Intrusives

Granodiorite is a minor lithology on the property and outcrops in two localities. It is medium-grained, composed chiefly of quartz, potassium feldspar and plagioclase, and contains disseminated pyrite.

Sediments

Within the property one small outcrop of siltstone was found surrounded by volcanics. Next the the outcrop (pit) is a rubble pile containing massive and colloform pyrite within a fine-grained siltstone host rock. Assays from the pile turned out .003 and .006 o.p.t. gold values.

Towards the eastern end and just south of the property boundary, several outcrops of iron formation are present. The iron formation is dominantly oxide (magnetite, hematite) and silicate (chert) facies with minor carbonate and sulphide facies. Banding is prominent but largely disrupted, and narrow quartz and carbonate cross-cutting veining is common.

STRUCTURE

An east-west trending foliation is prevalent across all of the metavolcanics. This foliation probably overprints an original flow banding of the volcanics.

In the south, an east-northeasterly trending fault zone is inferred by the narrow belt of 60 degree foliation disturbing the volcanics. No sense of movement is interpreted. Another north-south trending fault zone is inferred to exist along the extensive alder and open swamp running across the property. Again no sense of movement is interpreted.

MINERALIZATION

Sulphide mineralization in the form of pyrite occurs less than or equal to 1% in all of the metavolcanics. An assay of a typical volcanic ran .006 o.p.t. gold. Quartz veins are virtually barren of sulphides. One quartz sample taken from a mafic volcanic flow contained .01 o.p.t. gold. Within the chlorite-carbonate schist unit, 1% finely disseminated arsenopyrite is present.

CONCLUSIONS AND RECOMMENDATIONS

The metavolcanics within the property may be subdivided on a basis of physical character into massive and amygdaloidal flows, pillowed flows, fragmentals and breccias, and pyroclastics.

These metavolcanics are intruded by ultramafics with varying degrees of serpentinization and magnesite alteration.

The metavolcanics and ultramafics are intruded by a late olivine diabase sill.

Faulting in the area is evidenced by a pronounced narrow foliation zone within the volcanics and also by the presence of a long linear lowland belt running north-south across the property.

It is recommended that further geophysical work be carried out on claims 724612, 724613, 725183, 725184 and 781232 to keep them in good standing. Also further work is required to evaluate the economic potential of the magnesite showing on the property.

APPENDIX A

Interpretation and Report by:	Tracy Hurley, B.Sc.
Date of survey:	July 12th to August 30th, 1984.
Fieldwork (22 days) by:	Tracy Hurley and Sandy Fabris
Office work:	13 days

Linecutting (10.55 miles) @$300.00 per mile

REFERENCES CITED

Kretschmar, U. and Kretschmar, D., 1980. Ministry of Natural Resources - Open File Report, p. 9-21.

Lawrence, R., 1962. Ministry of Natural Resources - Assessment File T-708, p. 12-18.

Pyke, D., 1982. Geology of the Timmins Area, O.G.S. Report 219, 124p.

CERTIFICATE

This certifies that I, Tracy D. Hurley,

1. Supervised and carried out the work detailed in this report.

2. That I graduated with a B.Sc. in geology from McMaster University in 1982.

3. That I am currently completing an M.Sc. degree in geology at McMaster University.

4. That I have actively practiced my profession for the past three summers.

Respectfully,

Tracy D. Hurley

Dated this 7th day of September, 1984.

900

Mining Lands Section

File No 2.7919

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

__✓__ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

L.D.

Lgd.

J. Hurst

Signature of Assessor

85-03-26

Date

1985 04 24

Your File: 24/85
Our File: 2.7919

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geological Survey on Mining Claims
P 591575, et al, in the Township of
Deloro

The enclosed Report of Work of assessment work credits for a geological survey has been approved as of the above date. Please disregard the Notice of Intent dated April 3, 1985.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

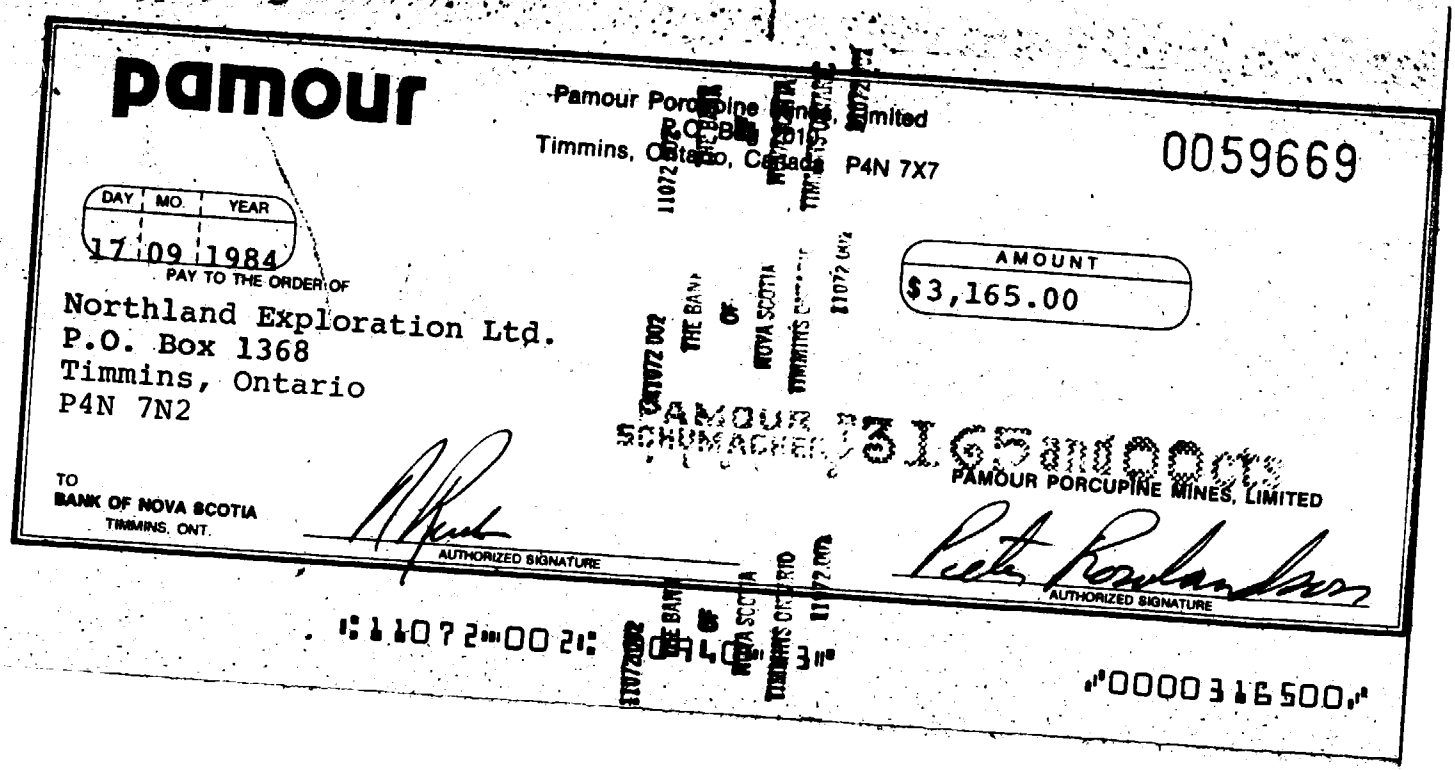
D. Kinvig:mc

cc: Pamour Porcupine Mines Limited
Box 45
Commerce Court West
Toronto, Ontario
M5L 1B6

cc: Mr. E. VanHees
165 Tamarack Street
Timmins, Ontario
P4N 6P7

Encl.

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



pamour

Pamour Porcupine Mines, Limited
P.O. Box 2019
Timmins, Ontario, Canada P4N 7X7

0059669

DAY | MO. | YEAR
17 | 09 | 1984

PAY TO THE ORDER OF

Northland Exploration Ltd.
P.O. Box 1368
Timmins, Ontario
P4N 7N2

AMOUNT
$3,165.00

THE BANK OF NOVA SCOTIA
TIMMINS ONTARIO

PAMOUR PORCUPINE MINES, LIMITED

TO
BANK OF NOVA SCOTIA
TIMMINS, ONT.

AUTHORIZED SIGNATURE

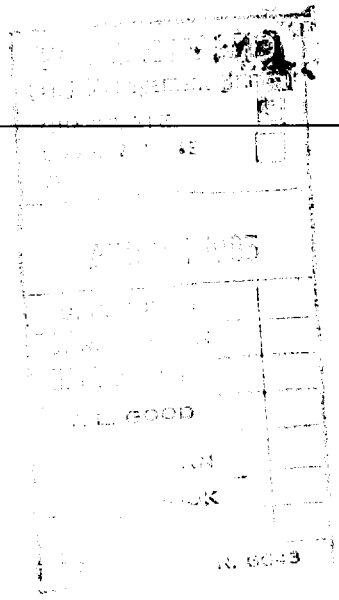
AUTHORIZED SIGNATURE

⑈11072⑈ 002 ⑆ 0140 ⑆ 31⑈

⑈0000316500⑈

Pamour Porcupine Mines, Limited
Administration Building
P.O. Bag 2010
Timmins, Ontario, Canada P4N 7X7

pamour



S.E. Yundt
Director
Land Management Branch
Whitney Block, Room 6643
Queen's Park,
Toronto, Ont.
M7A 1W3

April 19,1985

Dear Ms. Yundt

Please find enclosed a copy of the cancelled cheque covering the linecutting performed on our Magnesite property in Deloro Township of the Porcupine Mining Division. The cheque is made out for some 3,165 dollars to cover 10.5 miles of line cutting.

I thank you for your patience in the above matter and remain,

Sincerely yours

Ed van Hees
Area Exploration Superintendent

RECEIVED
APR 2 4 1985
MINING LANDS SECTION

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#024/85 J7919

The Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Mar. 31

Type of Survey(s): Geology
Township or Area: Deloro
Claim Holder(s): Pamour Porcupine M.L.
Prospector's Licence No.: T498
Survey Company: Same
Survey Dates (linecutting to office): 15 Day | 7 Mo. | 84 Yr. | 15 Day | 9 Mo. | 84 Yr.
Total Miles of line Cut: 6 miles +
Name and Address of Author (of Geo-Technical report): Tracy Hurley / Mc Masten University (Geol. Dept)

Special Provisions Credits Requested

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

Man Days

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

RECEIVED
FEB 07 1985
MINING LANDS SECTION

Airborne Credits

Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

PORCUPINE MINING DIVISION RECEIVED JAN 30 1985 A.M. P.M.

Calculation of Expenditure Days Credits

Total Expenditures $ | Total Days Credits 15

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	591575	20
	591578	20
	591579	20
	591576	20
	591322	20
	591323	20
	591324	20
	591580	20
	591577	20
	724612	40
	724613	40
	725183	40
	~~725184~~	
	781232	40

RECORDED
JAN 30 1985
Receipt No.

Mining Claim Prefix | Mining Claim Number | Expend. Days Cr.

Includes linecutting.

Total number of mining claims covered by this report of work: 13

Report Completed

Date of Report: Sept 15/85
Recorded Holder or Agent (Signature)

For Office Use Only

Total Days Cr. Recorded: 340
Date Recorded: Jan 30/85
Date Approved as Recorded: 85.4.24
Mining Recorder
Regional/Branch Director

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 Postal Address of Person Certifying: E. VAN HEES 165 Tamarack ST Timmins ONT. P4N6P7

Date Certified: Jan 30/85
Certified by (Signature)

1362 (81/2)

Ministry of Natural Resources

April 19/85

1985 04 03

Your File:24/85
Our File: 2.7919

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

RJ S. Hurst:mc
Encls.

cc: Pamour Porcupine Mines Limited
Box 45
Commerce Court West
Toronto, Ontario
M5L 1B6

cc: E.Van Hees
165 Tamarack Street
Timmins, Ontario
P4N 6P7

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Ministry of Natural Resources

Ontario

Notice of Intent for Technical Reports

1985 04 03

2.7919/24/85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7919

Date 1985 04 03

Mining Recorder's Report of Work No. 24/85

Recorded Holder: PAMOUR PORCUPINE MINES LIMITED

Township or Area: DELORO TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 20 days	P 591575-76-78 591322-24 591580
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	40 DAYS CREDIT
☐ Credits have been reduced because of partial coverage of claims.	P 724612-13
☐ 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

15 DAYS	30 DAYS
P 591579 591323 591577	P 725183 781232

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) — 60:

828 (83/6)

Pamour Porcupine Mines, Limited
Administration Building
P.O. Bag 2010
Timmins, Ontario, Canada P4N 7X7

pamour

CERTIFICATE

I, Edmond H. van Hees, do hereby certify the following;

1) That I supervised and was directly responsible for all work carried out by Tracy D. Hurley on behalf of Pamour Mines.

2) That I am presently the Superintendent of Area Exploration

3) That I graduated from the University of Western Ontario with an M.Sc. in Geology in 1979.

4) That I am a fellow of the G.A.C.

5) That I have actively practiced my profession for the past 7 years.

Respectfully Submitted,

Edmond H. van Hees

Dated this 21 st day of March, 1985.

2.5018

STATEMENT OF EXPENDITURES

The expenditures incurred by Pamour were for the most part internal costs. This included the wages for both Tracy D. Hurley and her assistant Sandra Fabris.

The line cutting as noted in the report of work was carried out by Mid-Canada Exploration Limited an exploration services contacting company located in Timmins, Ontario. Receipts for the latter work will be forwarded as soon as possible.

MAP SYMBOLOGY

Aerial Cableway
Boundary
International
Interprovincial
Disputed, Township Indian Reserve
Approximate
Lot, Concession
Approximate
Park Boundary
Bridge
Road, Railroad
Building
Chimney
Cliff, Pit, Pile
Contours
Interpolated
Approximate
Depression
Control Points
Horizontal
Vertical
Culvert
Falls
Double line river
Fence, Hedge, Wall
Feature Outline (Construction features, etc.)
Flooded Land
Lock
Marsh or Swamp
Mast
Mine Head Frame
Outcrop

Pipeline (above ground)
Railroad
Single Track
Double Track
Abandoned
Turntable
Road
Highway, County Township
Access (road of doubtful maintenance or insignificant driveway)
Trail, Bush Road (portage only)
Rapids
Double line river with multiple rapids
Double line river with multiple rapids
Reservoir
River, Stream, Canal
Approximate boundary
direction of flow
Rock
significant
shoal
Spot Elevation (false elevations)
Tower
Transmission Line
Poles
Pylons
Tunnel
Utility Poles
Wharf, Dock, Pier
Wooded Area

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File

TISDALE TWP. G-3976

OGDEN TWP. G-3979

SHAW TWP. G-3999

ADAMS TWP. G-

LEGEND

HIGHWAY AND ROUTE No
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES ETC
LOTS, MINING CLAIMS PARCELS ETC
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN-COUNCIL	OC
RESERVATION	R
CANCELLED	C
SAND & GRAVEL	S

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

Metres 500 0 1000 Metres
Chains 10 0 10 20 30 40 50 60 70 Chains
Feet 500 0 1000 2000 3000 4000 5000 Feet

SCALE 1:20 000

NOTES

REGISTERED PLAN OF SUBDIVISION

SITE PREPARATION MNR

TOWNSHIP

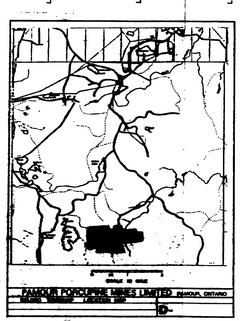
DELORO

M N R ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources — Land Management Branch
Ontario

Date FEBRUARY 1984
Received March 15/84

Number G-3993



LEGEND

PRECAMBRIAN

LATE PRECAMBRIAN
MAFIC INTRUSIVE ROCKS

6 Olivine diabase

EARLY PRECAMBRIAN (ARCHEAN)
FELSIC INTRUSIVE ROCKS

5 Granodiorite

METAMORPHOSED, MAFIC INTRUSIVE ROCKS

4 Undubdivided
4a Gabbro

METAMORPHOSED ULTRAMAFIC INTRUSIVE ROCKS

3 Undubdivided
3a Serpentinized dunite-peridotite
3b Serpentinite
3c Magnesite alteration

METASEDIMENTS

2 Undubdivided
2a Siltstone
2b Iron formation

CARBONATIZED INTERMEDIATE TO MAFIC METAVOLCANICS.

1 Undubdivided
1a Dacite flow
1b Pillowed flow
1c Amygdaloidal flow
1d Tuff, lapilli tuff
1e Fragmental flow
1f Breccia
1g Carbonate-Schist
1h Chlorite banding
1j Chlorite-carbonate-schist

SYMBOLS

- bedrock outcrop
- boulder or rubble pile
- trench
- pit
- geological contact, position interpreted
- fault, position interpreted
- foliation (inclined, vertical)
- diamond drill hole
- vegetation boundary
- bush road
- trail
- beaver dam
- hydro line

PAMOUR EXPLORATION

CANADIAN MAGNESITE PROPERTY

DELORO TOWNSHIP
PORCUPINE MINING DIVISION, ONT.

SCALE: 1 inch = 200 feet

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SEPT., 1984

Approved Sept 1984

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