



42A066SE0023 2.8810 CARMAN

010

GEOLOGICAL REPORT  
ON THE  
MK GOLD PROSPECT  
IN  
LANGMUIR & CARMAN  
TOWNSHIPS  
PORCUPINE MINING DIVISION  
TIMMINS, ONTARIO

December 1, 1985

BY: J. K. Filo, P. Geol.

RECEIVED

JAN 16 1986

MINING LANDS SECTION

*Final  
2. 3466*



42A06SE0023 2.8810 CARMAN

010C

TABLE OF CONTENTS

	Page No.
INTRODUCTION . . . . .	1
LOCATION and ACCESS. . . . .	1
PROPERTY HISTORY . . . . .	1
SURVEY PARAMETRES. . . . .	2
GENERAL GEOLOGY . . . . .	2
PROPERTY GEOLOGY . . . . .	3
CONCLUSIONS & RECOMMENDATIONS. . . . .	4
BIBLIOGRAPHY . . . . .	6
CERTIFICATE . . . . .	7
APPENDIX I . . . . .	8
Old Report and Drill Logs . . . . .	
APPENDIX II . . . . .	9
Claim Transcripts . . . . .	

FIGURES

- |               |                                       |
|---------------|---------------------------------------|
| FIG. #1 & #1A | Location Maps                         |
| Fig. #2       | Claim Maps                            |
| Fig. #3       | Geological Property Map (Back Folder) |

## INTRODUCTION

During the month of September, 1985 a geological survey was carried out over the MK Gold Prospect in Langmuir and Carman Townships; Porcupine Mining Division; Timmins, Ontario.

This survey was initiated to examine known VLF-EM conductors where possible and obtain pertinent geological information about this prospect. Survey techniques, results, and recommendations for further exploration are discussed in the following text.

## LOCATION AND ACCESS

The property consists of seven (7) contiguous mining claims numbered 792481 to 792484 and 792475 to 792477 in Langmuir and Carman Townships respectively. These claims are recorded in the name of Mark Charles Kean of Timmins, Ontario.

Access to this property is by all weather road from Timmins along the old Langmuir Mine Road to the Shaw-Eldorado Twp. Line. At this point one must traverse east for approximately 1.5 miles to the central portion of the MK claims. (Fig. 1 & 2).

## PROPERTY HISTORY

In the early sixties this property was examined for its base metal potential. A limited amount of diamond drilling was completed by R. Allerston and Dumont Nickel at this time. During the course of this drilling minor chalcopyrite and significant gold values were detected in a silicified banded iron formation. Gold values ranged from .09 oz Au/ton to 1.38 oz Au/ton over a core length of 6 ft.. This drill hole was the only

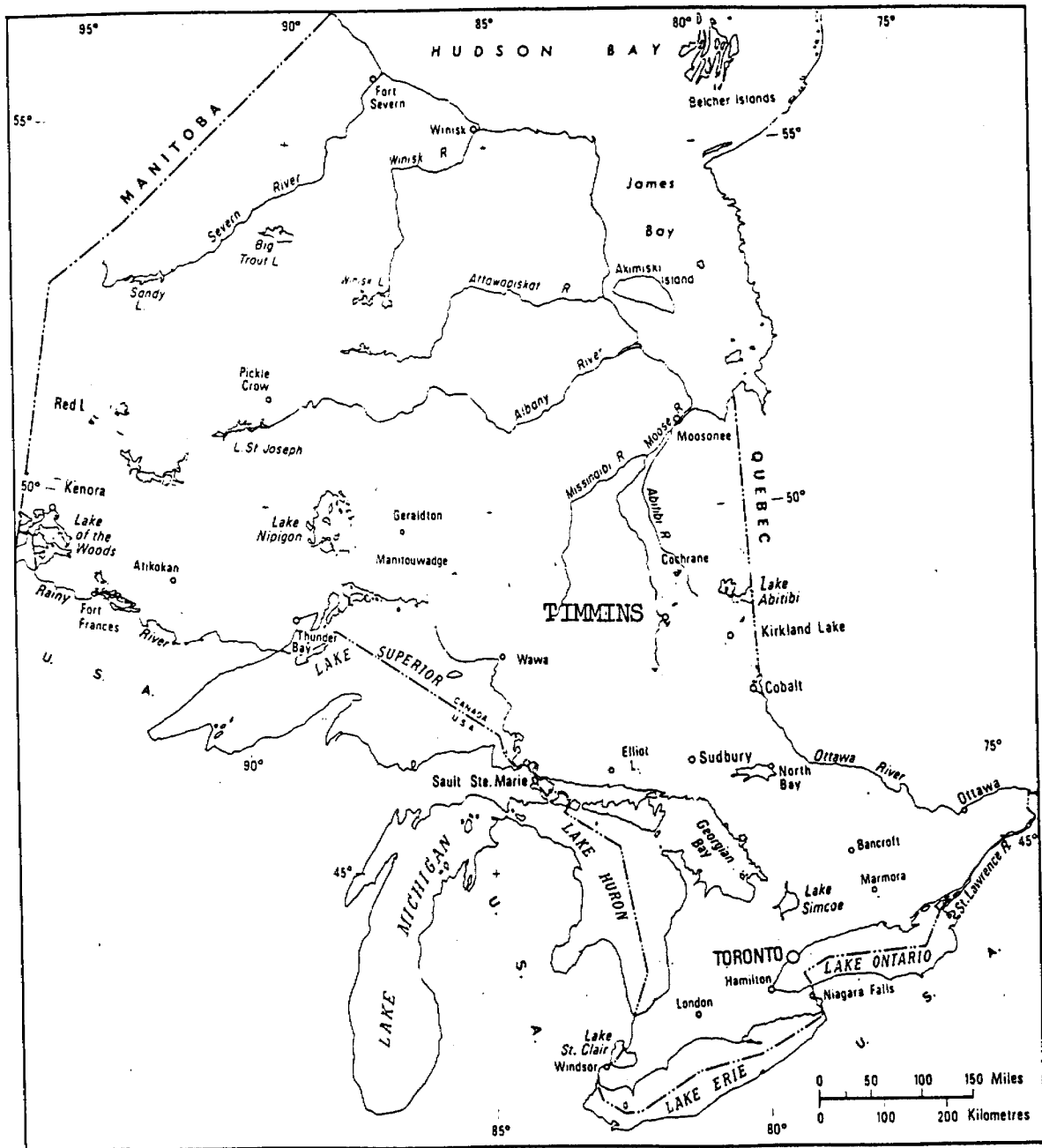
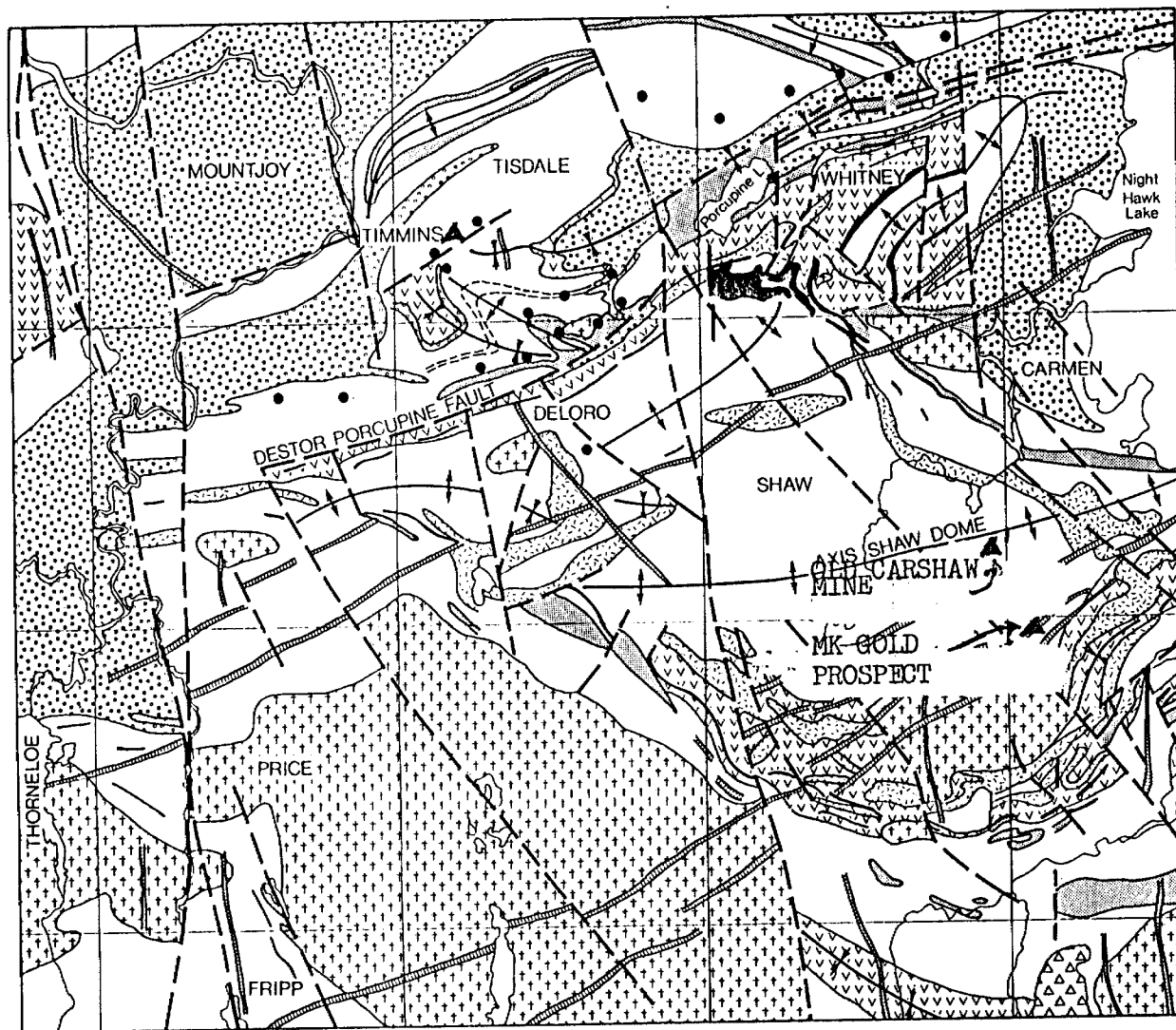



Figure 1. LOCATION MAP














#### LEGEND

##### MIDDLE PRECAMBRIAN

-  Cobalt Formation  
greywacke, arkose, argillite, conglomerate  
unconformity

##### EARLY PRECAMBRIAN

-  Diabase \*
-  Intrusive Contact
-  Granitic intrusive rocks
-  Intrusive Contact
-  Ultramafic intrusive rocks
-  Intrusive Contact
-  Sediments (dominantly turbidites)
-  Iron formation
-  Felsic to intermediate volcanics
-  Mafic volcanics
-  Ultramafic volcanics
- \* Some diabase dikes are Middle to Late Precambrian age
- Location of gold mines (present and past producers)
- - - Fault
- + + Anticlinal axis
- - - Synclinal axis

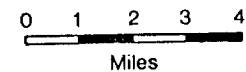


Figure 1A—Geological sketch map of the Timmins area.  
& LOCATION MAP

drill hole to cut this particular zone of gold bearing iron formation and no further drilling was done on this zone to date. (Assessment File T-690 Timmins, Ont.)

Later in 1982 a VLF-EM and magnetic survey and one drill hole were completed by Rio Canex. The Rio Canex hole was drilled some distance away from the gold discovery and no assay results were published. (Assessment File T-2454, Timmins, Ont.)

During the course of the 1985 geological survey a large trench was found in a sheared carbonate zone. (Fig. #3). This work was not previously documented in assessment files. An old drill hole collar was also found approximately 60 metres southeast of this trench. (Fig. #3).

#### SURVEY PARAMETRES

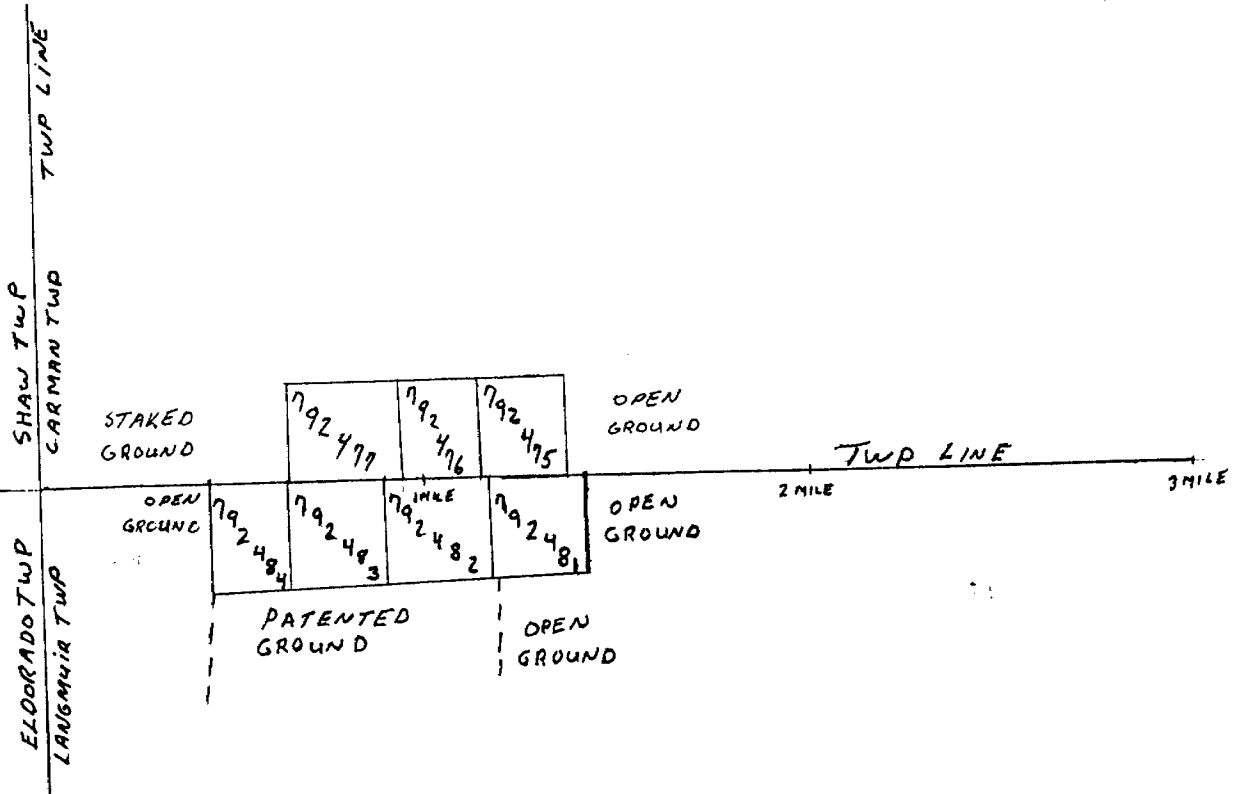
A cut-line grid was first established on the property. Cross-lines were established at azimuth  $135^{\circ}$  using the east-west Langmuir-Carman Township boundary as a baseline and control line. All cross lines were established at 100 metre intervals from one another along the baseline and stations on cross-lines were located at 20m intervals.

The established grid and air photographs were used for control purposes during the course of the geological survey. A total of 9.5 Km of grid line was traversed during the survey.

#### GENERAL GEOLOGY

With the exception of a number of diabase dikes and the minor flat lying sediments of the Cobalt Group, all the bedrock underlying Langmuir and Carman Townships is Early Precambrian (Archean) in age. In both Langmuir and Carman the oldest rocks consist of ultramafic and felsic metavolcanics intercalated with minor metasediments.

Scale 1" = 1/2 mi



CLAIM LOCATION MAP FIG. #2

Subsequent periods of tectonic activity and deformation in this area caused the volcanics and some of the early intrusives to be folded and metamorphosed. The regional metamorphic grade in this area is greenschist.

During the periods of tectonic activity numerous plugs, dikes and sills intruded the older metavolcanic and metasedimentary units. These intrusives also vary compositionally from mafic to felsic. Post tectonic north, and northeast trending diabase dikes cut all the older Archean metavolcanics, sediments and intrusives.

Faulting in Langmuir and Carman Townships trend north, northeast, and northwest. The major fault in the area is the Montreal River Fault which strikes north-northwest across Langmuir Twp. (Berry B.6, 1940; Pyke, D.R., 1970, 1982).

#### PROPERTY GEOLOGY

A significant portion of the MK property is covered by spruce swamp and muskeg. However, limited bedrock is visible on a large topographic high occupying the central part of the claim block. This topographic high is primarily subcrop with a little overburden and stands of spruce trees. The majority of outcrop visible in this area is along the edges of this feature.

During the geological survey two distinct mafic volcanic units were noted. These units were designated massive basalt and porphyritic basalt as shown in Fig. #3. Both of these units are very massive in appearance, and have weathered to a dark grey color. The massive basalt is very fine grained and distinct from the porphyritic unit. The porphyritic unit is medium grained, and porphyroblasts of feldspar are prominent with a grey green sometimes chloritic matrix. From line 2W. station 200S. to line 1E



station 40S (Fig. #3) a prominent carbonatized shear zone is exposed. The shearing is vertical and strikes N45°E. A number of quartz veins are present within the shear and some fushite was noted in both quartz veins and the adjacent wall rock. The extent of the shear zone along strike is not really known, but it appears that the shearing is proximal to the contact between the two basaltic units. This is particularly evident at line 1W station 100S. A conductor (D) runs approximately parallel to this shear zone and maybe related to the shear.

A crosscutting diabase dike trending NE was noted along the northwestern extremity of the topographic high.

#### CONCLUSIONS & RECOMMENDATIONS

The rocks outcropping on these claims consist of two mafic basalt units which are cut by a major carbonatized shear zone and a northeast trending diabase dike.

Two zones of economic interest are present on this property. These are discussed separately as follows:

i) Gold Bearing Iron Formation

On claim number 792482 significant gold mineralization was detected by diamond drilling in the early sixties. This drill hole averaged 0.67 oz Au/ton over 6 ft. of core. (Assessment File T-690). The gold mineralization is hosted within a highly silicified sulphide facies iron formation. The environment and mineralization is similar to that found at the Carshaw Deposit only 1.5 miles to the northwest. The Carshaw contains 167,000 tons of ore grading 0.205 oz Au/ton. (G.S.C. Miscellaneous Paper 110). Considering the proximity of this prospect to a

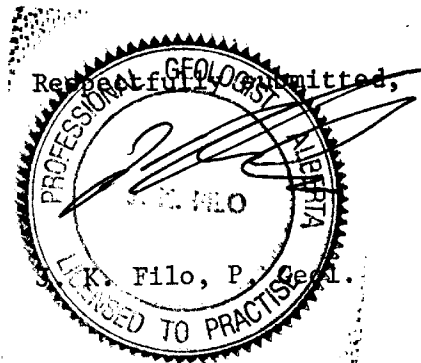
known iron formation hosted gold deposit and the limited amount of drilling in this area, a second evaluation of this zone appears warranted.

ii) Conductor D

Conductor D strikes N20°E and is proximal and nearly parallel to the major shear zone on the MK Gold Property. Field evidence strongly suggest that this conductor has not been tested and that it is hosted within or near a carbonatized shear zone, a favourable environment for precious metals. A short drill hole should be considered to test both the shear of depth and evaluate Conductor D for its gold content.

Taking into consideration the limited amount of work on this prospect and the two zones of interest a systematic exploration program should be carried out in the near future. Such an approach is put forth in the following recommendations.

1. The old drill hole collar, Hole #11 (Appendix I) should be accurately located in the bush from the old maps and reports.
2. A magnetic survey should be carried out in conjunction with an HLEM survey over known VLF targets and priority magnetic targets. The HLEM survey would help define the orientation of known conductors accurately, and aid in filtering out overburden conductors.
3. Diamond drilling should be considered to re-evaluate the known gold zones and other priority zones based on HLEM surveys and the magnetic survey.



BIBLIOGRAPHY

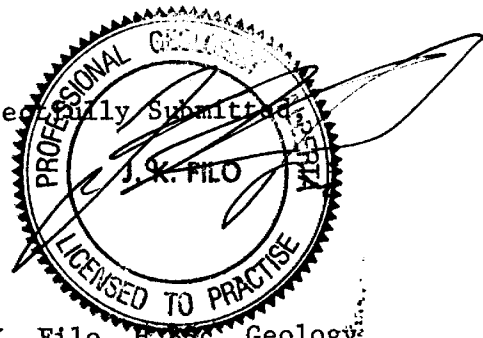
- i) Berry, L. G.
  - 1940: Geology of the Langmuir-Sheraton Area, District of Cochrane; Ontario Department of Mines, Volume 49, Part 4. Accompanied by Map No. 49h, Scale 1" = 1 mile.
  
- ii) Dumont, G. H.
  - 1962: Dumont Nickel Corporation. Allerston Property; Unpublished Assessment File (T-690), Timmins, Ont.
  
- iii) Pyke, D. R.
  - 1970: Geology of Langmuir and Blackstock Townships, District of Timiskaming; Ontario Department of Mines, Geological Report 86, 64p. Accompanied by Map 2206, Scale 1" = 1/2 mile.
  
  - 1982: Geology of the Timmins Area, District of Cochrane; Ontario Geological Survey, Geological Report 219, 14lp. Accompanied by Map 2455, Scale 1:50,000
  
- iv) Rio Tinto Exploration
  - 1982: Unpublished Assessment File Timmins, Ontario (T-2454)

CERTIFICATE

I, J. K. Filo of Winnipeg, Manitoba, hereby certify:

- 1) I hold an Honours BSC. Degree in Geology from Laurentian University, Sudbury, Ontario.
- 2) I am a licensed professional geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta. (A.P.E.G.G.A.)
- 3) I have practiced my profession as a geologist for five years, and I have been employed by numerous companies in the past. Some of these include Kidd Creek Exploration (Texasgulf Inc.), Urangesellschaft Canada Ltd., Canamax Exploration (Amax of Canada Ltd.) and Cominco (Pine Point Mines).
- 4) I have based my conclusions and recommendations contained in this report on knowledge of the area, my previous experience and on the research and field work carried out by myself and Mr. M. Kean.
- 5) I hold a 50% interest in this property with Mr. M. Kean.

Respectfully Submitted,



J. K. Filo, H. BSc. Geology  
P. Geol.

APPENDIX #I

1 m. Corman Twp. 2 m.

P.  
49802

P.  
49876  
\*

Eldorado Twp.

113 m.

113 m.

ALLERSTON PROPERTY: T-690

Langmuir Township

Scale: 1 inch - 40 ch.

See: T-244 New Room McECCO (other Allerston Co.)  
\*T-1015 PARAMAQUE  
1982; See RIO TINTO T-2454

DUMONT NICKEL CORPORATION

ALLERSTON PROPERTY

Diamond Drill Hole No. 11

Location: Claim P-49802 - Langmuir Twp., Ontario.  
Line 30-W - Station 9-00 S.

Strike: N - 45° - W.

Dip: 50° at collar.

Length: 602 feet.

Started: January 25th, 1962.

Finished: January 31st, 1962.

Drilled by: J.P. Bérubé Diamond Drilling Co. Ltd.

Assayed by: Bourlamaque Assay Office Reg'd.

Logged by: G.H. Dumont, P. Eng.

---

0.0-108.0 Casing.

108.0-110.0 Well silicified banded material.  
Pyrite bands at 108.3, 108.6, 109.2.  
Much fine chalco at 109.2.

110.0-156.0 Massive medium-grained carbonatized andesite.  
127.5 - ½" Qtz-carb. str.  
146.5-147.0 Highly carbonatized. Low angle  
fracture. Diss. Pyrite.

156.0-171.0 Iron Formation. Highly siliceous in places.  
162.5-163.0 Much chalco. Approx. 2 to 3% Cu.  
163.0-164.5 Approx. 5% Pyrite.  
166.8 - 1" heavy pyrite.  
167.0-169.0 Highly siliceous. Some fine pyrite.

171.0-204.0 Fine-grained diabase.  
Vertical contact at 171.0.  
Contact low angle to core, about 75° N.W. at 204.

204.0-215.5 Massive fine-grained andesite.

215.5-225.0 Highly silicified iron formation.  
Well mineralized with pyrite 215.5-221.5.

225.0-270.5 Intermediate Lavas. Amygdaloidal in places.  
247.0-249.0 Brecciated. Diss. Pyrite.

- 270.5-273.0 Fine-grained basic dyke.
- 273.0-278.0 Intermediate Lavas.  
276.0 Low angle 1" qtz-carb-pyrite stringer.
- 278.0-342.0 Massive medium-grained andesite.  
Slightly carbonatized.  
Altered and carb. with some fine pyrite 287.0-291  
308.0-316.0 Highly carbonatized. Chiefly ankerite  
Diss. fine pyrite. Scattered specks of green  
carbonate.  
332.5 - 1/2" qtz-carb.-pyrite stringer.
- 342.0-349.0 Fine-grained basic dyke.
- 349.0-382.0 Andesite.  
356.0-357.0 Fine-grained basic dyke.  
359.2 1" qtz-carb. and coarse pyrite.  
373.8 1/2" " " " " " "
- 382.0-594.0 Intermediate to basic Lavas.  
Amygdaloidal in places.  
388.0-389.8 Fine-grained basic lavas.  
391.0-391.5 " " " "  
431.5 - 3/4" qtz-carb.-pyrite stringer.  
432.0 - 1/2" " " " " "  
433.2 - 1" " " " " "  
493.7-494.4 Fine-grained basic dyke.  
504.5 - 1" qtz-carb. stringer.  
524.6-527.0 Fine-grained basic dyke.  
549.0-549.6 " " " " "
- 594.0-602.0 Lamprophyre.

- - - - - End of Hole - - - - -

Samples taken - Assay Results

Sample No.	Footage	Width	Au oz	Ag oz	Cu %	
11-108A	108.0-110.0	2.0'	0.005	0.13	0.13	
11-146	146.0-147.0	1.0'	0.01			
11-162	162.5-163.0	0.5'	0.005	0.66	1.15	
11-163	163.0-164.5	1.5'	0.002	0.25	0.20	
11-167A	167.0-169.0	2.0'	0.005			
4 assays 11-216A	216.0-218.0	2.0'	<u>0.55</u>	0.08	0.18	
3 " 11-218A	218.0-220.0	2.0'	0.09	0.11	0.27	
7 " 11-220A	220.0-222.0	2.0'	<u>1.38</u>	0.80	0.17	Iron formation
11-222A	222.0-224.0	2.0'	0.01			
11-247A	247.0-249.0	2.0'	0.005			
11-276	275.5-276.5	1.0'	Trace			
11-308A	308.0-310.0	2.0'	0.005			
11-310A	310.0-312.0	2.0'	Trace			

ASSESSMENT WORK

T-690



<u>Sample No.</u>	<u>Footage</u>	<u>Width</u>	<u>Au oz</u>	<u>Ag oz</u>	<u>Cu %</u>	<u>Ni %</u>
11-312A	312.0-314.0	2.0'	0.005			
11-314A	314.0-316.0	2.0'	0.005			
11-332	332.0-333.0	1.0'	Trace			
11-359	359.0-		Trace			
11-432A	431.5-433.5	2.0'	0.005			

Average: From 216-222 - 0.67oz Au over 6 feet - \$23.45

+ 23" @ .24oz' = 28oz' - 9' 10"

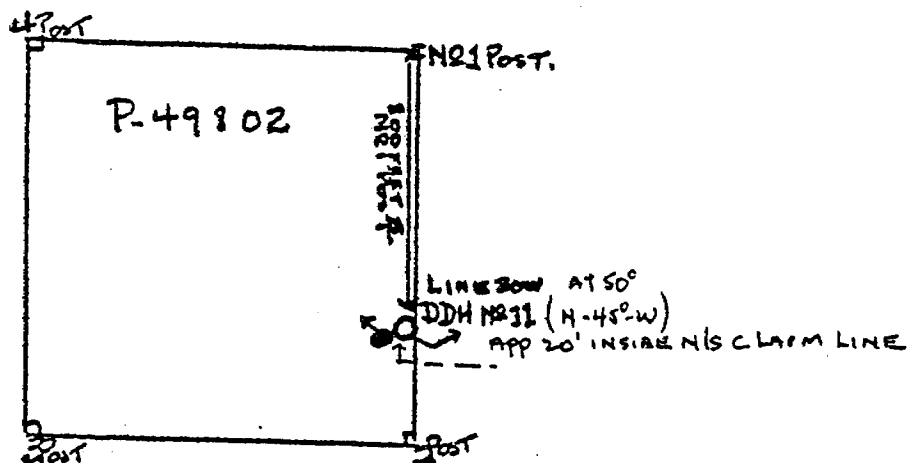
(u) 35<sup>00</sup> pm 02

ASSESSMENT WORK

T-690

STANLEY NELSON  
LIC. NO M-15433  
GROUP-LANGMUIR TR

P. 49801	P. 49802	P. 49803	P. 49852
-------------	-------------	-------------	-------------



LENGTH OF HOLE (602 FEET, AT 50°)

CORE DIAMETER 1 1/4 INCH.

ASSESSMENT WORK

T-690

APPENDIX II

AUDIT NUMBER

418046



Ministry of Natural Resources

Mining Claim

The Mining Act

CLAIM NO.

P-792475

RECORDED IN THE NAME OF Mark Charles Kean	LICENCE NO. M-21054	RECEIPT NO. 381583	DATE RECORDED March 12, 1984
--	------------------------	-----------------------	---------------------------------

ADDRESS 624 Cedar St. North, Timmins, Ontario P4N 6K4	DATE AND TIME OF STAKING March 11/84 at 7:00 A.M.	P.T. X
--	---	-----------

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM

DATE	DAYS WORK		RECEIPT NO.
Mar. 22/85	<del>40</del> 20	Geophysical (E.M.)	

Approved JUL 19 1985

(W.R.#094/85)

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

NOV 21 1985

*Charles*  
Mining Recorder

AUDIT NUMBER

418047



Ministry of Natural Resources

Mining Claim

The Mining Act

CLAIM NO.

P-792476

RECORDED IN THE NAME OF

Mark Charles Kean

LICENCE NO.

M-21054

RECEIPT NO.

381583

DATE RECORDED

March 12, 1984

ADDRESS

624 Cedar St. North, Timmins, Ontario P4N 6K4

DATE AND TIME OF STAKING

March 11/84 at 9:00 A.M.

P.T.

X

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS

OFFICE USE ONLY

DAYS RECORDED

BALANCE

DESCRIPTION OF CLAIM

CARMAN TOWNSHIP G-4000

RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.

FILE NO.

792475

DATE

DAYS WORK

Approved JUL 19 1985

RECEIPT NO.

Mar. 22/85

40

Geophysical (E.M.)

(W.R.#094/85)

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

NOV 21 1985

Ministry of Natural Resources DIVISION





AUDIT NUMBER

43579



Ministry of Natural Resources

Mining Claim

The Mining Act

CLAIM NO.

P-792482

RECORDED IN THE NAME OF

LICENCE NO.

RECEIPT NO.

DATE RECORDED

Mark C. Kean

M-21054

381950

March 29, 1984

ADDRESS

624 Cedar St. North, Timmins, Ontario

DATE AND TIME OF STAKING

Mar. 26/84  
at 7:00 A.M.

P.T.

x

OFFICE USE ONLY

DAYS RECORDED

BALANCE

DESCRIPTION OF CLAIM

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS

LANGMUIR TOWNSHIP (M-292)

RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.

Excluding Road

FILE NO.

792481

DATE

DAYS WORK

Approved JUL 19 1985

RECEIPT NO.

Mar. 22/85

40

Geophysical (E.M.)

(W.R.#094/85)

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

NOV 21 1985

Ministry of Natural Resources  
PORCUPINE MINING DIVISION



AUDIT NUMBER

435080



Ministry of Natural Resources

Mining Claim

The Mining Act

CLAIM NO.

P-792483

RECORDED BY THE NAME OF Mark C. Kean	LICENCE NO. M-21054	RECEIPT NO. 381950	DATE RECORDED March 29, 1984
---	------------------------	-----------------------	---------------------------------

ADDRESS 624 Cedar St. North, Timmins, Ontario	DATE AND TIME OF STAKING Mar. 26/84 at 9:00 A.M.	P.T. X
--	--	-----------

OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM
ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS			LANGMUIR TOWNSHIP (M-292)
			RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.  Excluding Road

FILE NO.  
792481

DATE	DAYS WORK		RECEIPT NO.
Mar. 22/85	40	Geophysical (E.M.)	

Approved JUL 19 1985

(W.R.#094/85)

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

NOV 27 1985

*Blanley*

Mining Recorder  
PORCUPINE MINING DIVISION

AUDIT NUMBER

435081



Ministry of Natural Resources

Mining Claim

The Mining Act

CLAIM NO.

P-792484

RECORDED BY THE NAME OF <b>Mark C. Kean</b>	LICENCE NO. <b>M-21054</b>	RECEIPT NO. <b>381950</b>	DATE RECORDED <b>March 29, 1984</b>
ADDRESS <b>624 Cedar St. North, Timmins, Ontario</b>			DATE AND TIME OF STAKING <b>Mar. 26/84 at 10:00 A.M.</b>

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM
				<b>LANGMUIR TOWNSHIP (M-292)</b>  RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.  <b>Excluding Road</b>

FILE NO.

792481

DATE	DAYS WORK		RECEIPT NO.
Mar. 22/85	40	Approved JUL 19 1985 Geophysical (E.M.) (W.R.#094/85)	

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

NOV 27 1985  
*B. Hanley*  
 Mining Recorder  
 PORCUPINE MINING DIVISION



0131



42A06SE0023 2.8810 CARMAN

900

Mining

Type of Survey(s) **Geological Survey** Township or Area **Langman & Carman Twp.**

Claim Holder(s) **MARIC C. KEAN** Prospector's Licence No. **M-21054**

Address

Survey Company **J.K. Filo** Date of Survey (from & to) **10 09 85 15 09 85** Total Miles of line Cut

Name and Address of Author (of Geo-Technical report) **J.K. Filo P. 600 804-246 Roslyn Rd. Winnipeg Man.**

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	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	20
	Geochemical	

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

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

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	792475	20			
	792476	20			
	792477	20			
	792481	20			
	792482	20			
	792483	20			
	792494	20			

**RECEIVED**  
JAN 6 1986  
MINING LANDS SECTION

**RECORDED**  
JAN 14 1986

PROSPECTIVE MINING DIVISION  
**RECEIVED**  
JAN 14 1986

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$  + 15 = Total Days Credits

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.

Total number of mining claims covered by this report of work. **7**

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
140	Jan 14/86	<i>[Signature]</i>
	Date Approved as Recorded	Branch Recorder
	86.1.27	<i>[Signature]</i>

Date **Dec. 15/85** 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 Postal Address of Person Certifying **J.K. Filo 804-246 Roslyn Rd. Winnipeg Man.**

Date Certified **Dec. 16/85** Certified by (Signature) *[Signature]*

Mining Lands Section

File No 28810

Control Sheet

TYPE OF SURVEY     GEOPHYSICAL  
                           GEOLOGICAL  
                           GEOCHEMICAL  
                           EXPENDITURE

MINING LANDS COMMENTS:

---

---

---

---

---

---

---

---

---

---

*Handwritten initials: L.D.*

J. Hurst  
Signature of Assessor

Jan 24/86.  
Date

\*

2.8810

192475 ✓

76 ✓

77 ✓

81 ✓

82 ✓

83 ✓

84 ✓

P.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

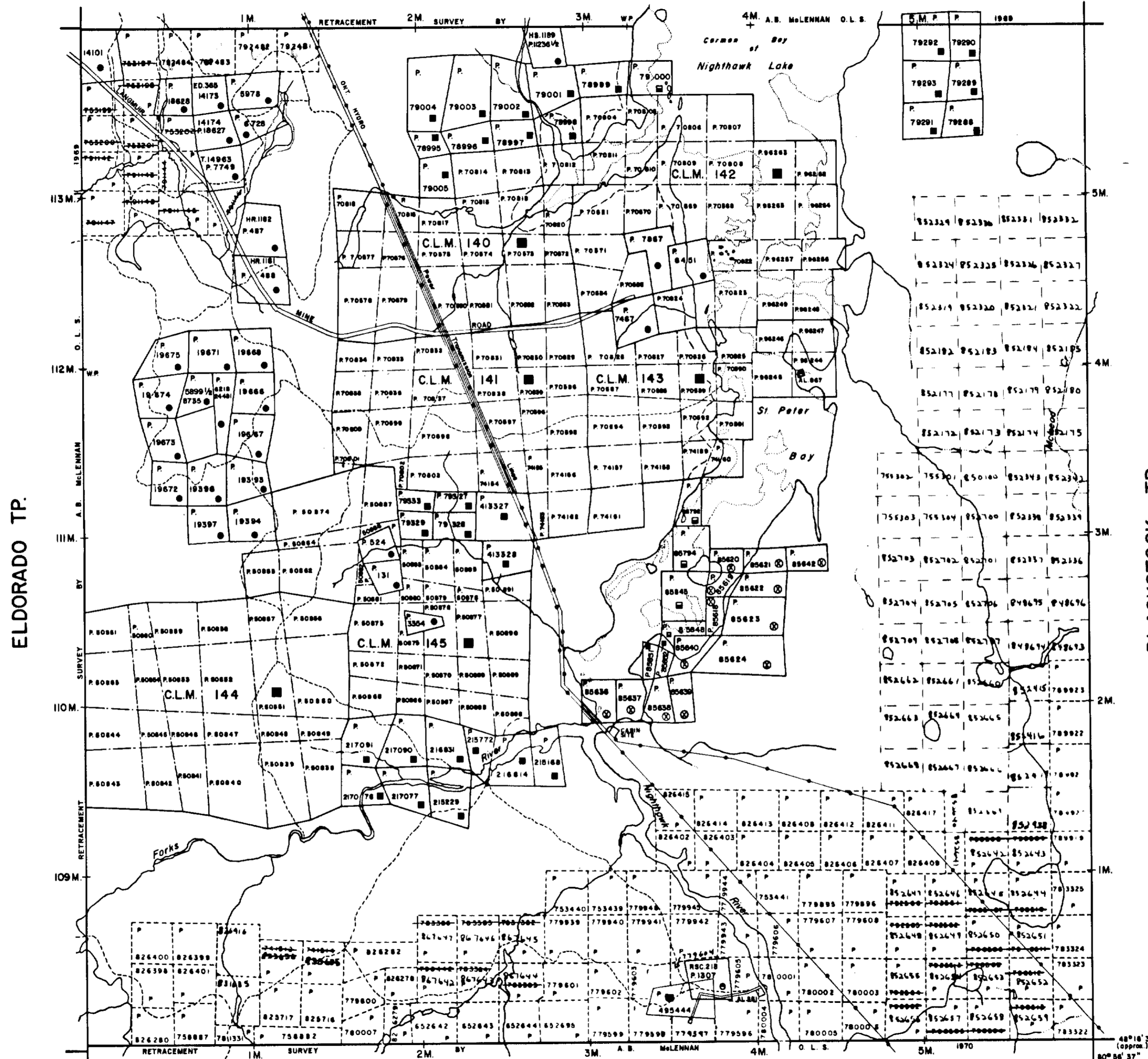
Description	Order No.	Date	Disposition	File
Re-opened NRO 36 85				

NOTES

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS.

FLOODING RIGHTS ON NIGHTHAWK LAKE TO THE CONTOUR ELEVATION 905.5' RESERVED TO ONT. HYDRO

CARMAN TP.



LEGEND

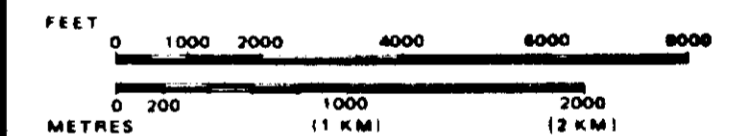
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING 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	⊙
CANCELLED	⊘
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



up to date as of Dec 19/85

TOWNSHIP

LANGMUIR

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



Date MARCH, 1985

Number  
**G-3226**



42A055E023 2.8812 CARMAN

200

47V

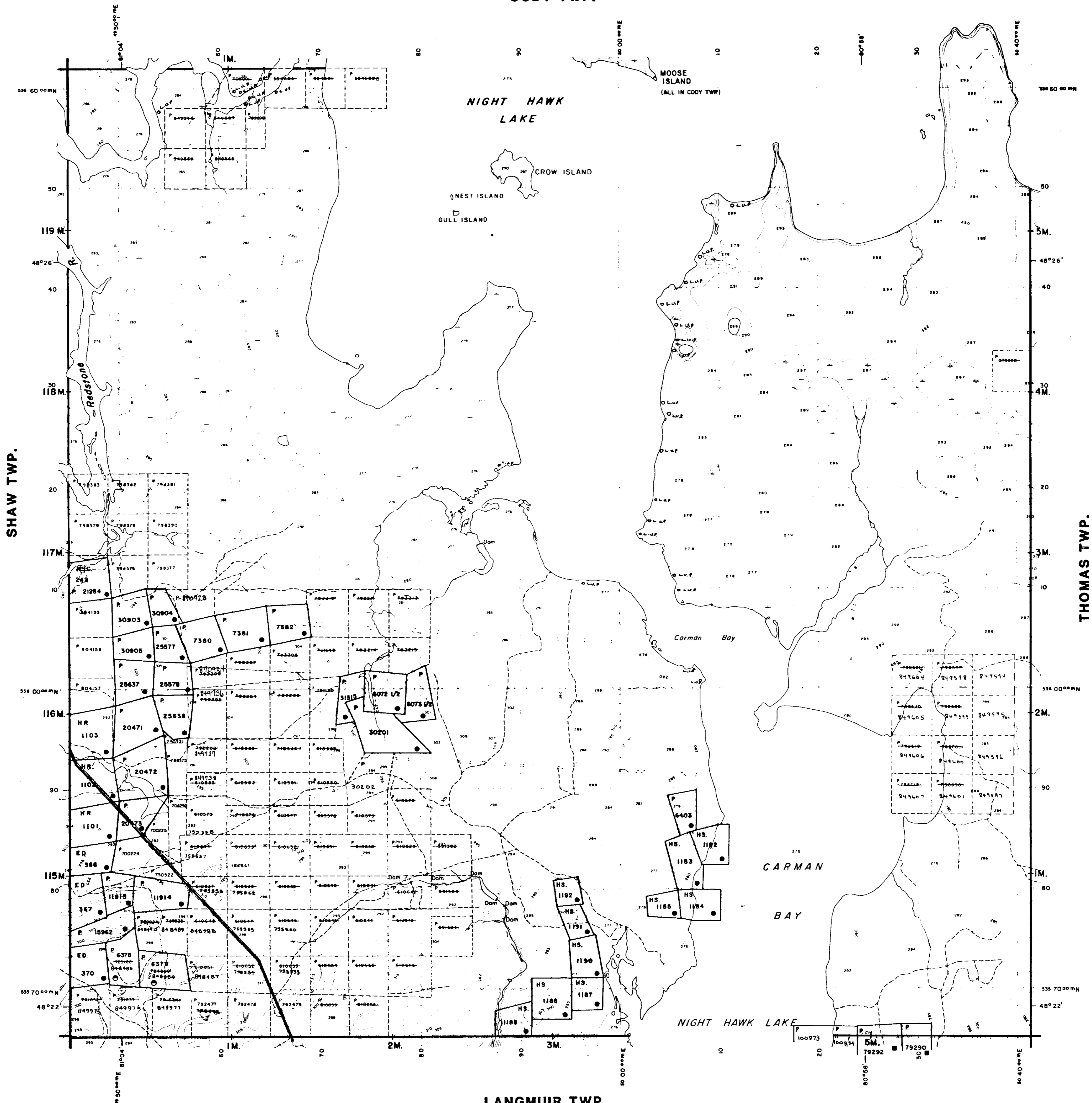
MAP SYMBOLOLOGY

Aerial Cableway	Pipeline (above ground)
Boundary	Railroad
Unconformity	Single Track
Stratigraphic	Double Track
Stratigraphic	Abandoned
Stratigraphic	Turbidite
Stratigraphic	Road
Stratigraphic	Highway, County
Stratigraphic	Tramway
Stratigraphic	Alone (Lead of doubtful significance)
Stratigraphic	Trail, Bush Road (portage way)
Stratigraphic	Rapids
Stratigraphic	Shoals (low river with multiple rapids)
Stratigraphic	Shoals (low river with multiple rapids)
Stratigraphic	Reservoir
Stratigraphic	River, Stream, Canal
Stratigraphic	Approximate
Stratigraphic	Direction of flow
Stratigraphic	Rock
Stratigraphic	Significant
Stratigraphic	Soil
Stratigraphic	Spot Elevation (true elevation)
Stratigraphic	Tower
Stratigraphic	Transmission Line
Stratigraphic	Pole
Stratigraphic	Palisade
Stratigraphic	Tunnel
Stratigraphic	Utility Poles
Stratigraphic	Wharf, Dock, Pier
Stratigraphic	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

CODY TWP.



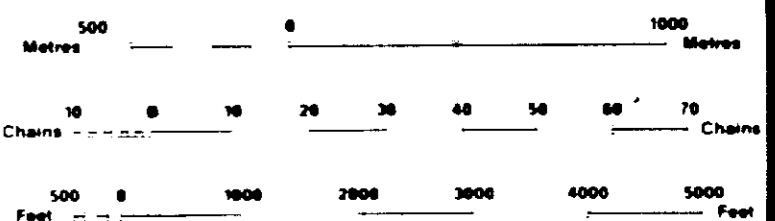
LEGEND

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 MUSKIE	
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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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

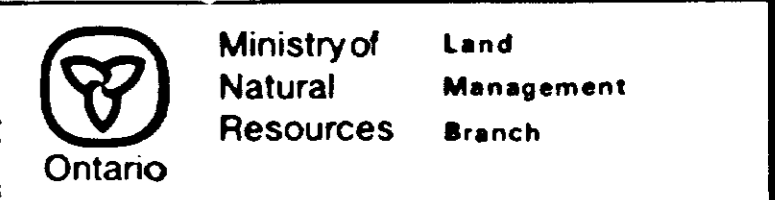


SCALE 1:20 000  
GRID ZONE: 17

Up to date as of:  
Dec 19/85

Rec'd Jan 23/85

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

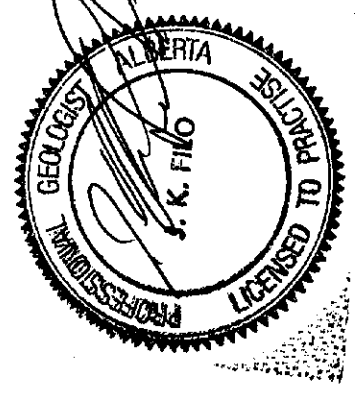


ORIGINAL COMPLETION JULY 1984  
REVISED:  
**G-4000**

28810

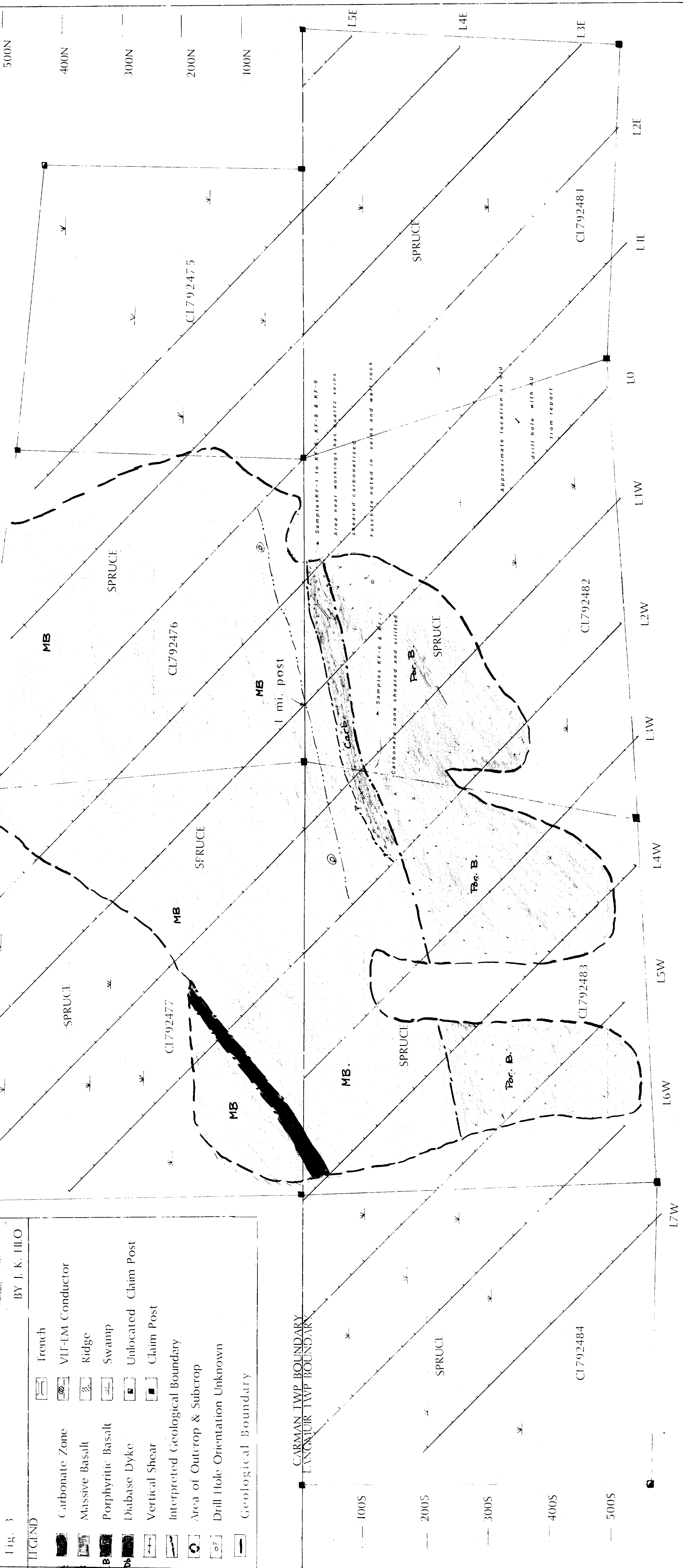
MIK GOLD PROSPECT

GEOLOGICAL MAP



BY J. K. HILO

LEGEND	
	Carbonate Zone
	Massive Basalt
	Porphyritic Basalt
	Diabase Dyke
	Vertical Shear
	Interpreted Geological Boundary
	Area of Outcrop & Subcrop
	Drill Hole Orientation Unknown
	Geological Boundary
	Trench
	VLF-EM Conductor
	Ridge
	Swamp
	Unlocated Claim Post
	Claim Post



Scale 1cm. to 20m.

