

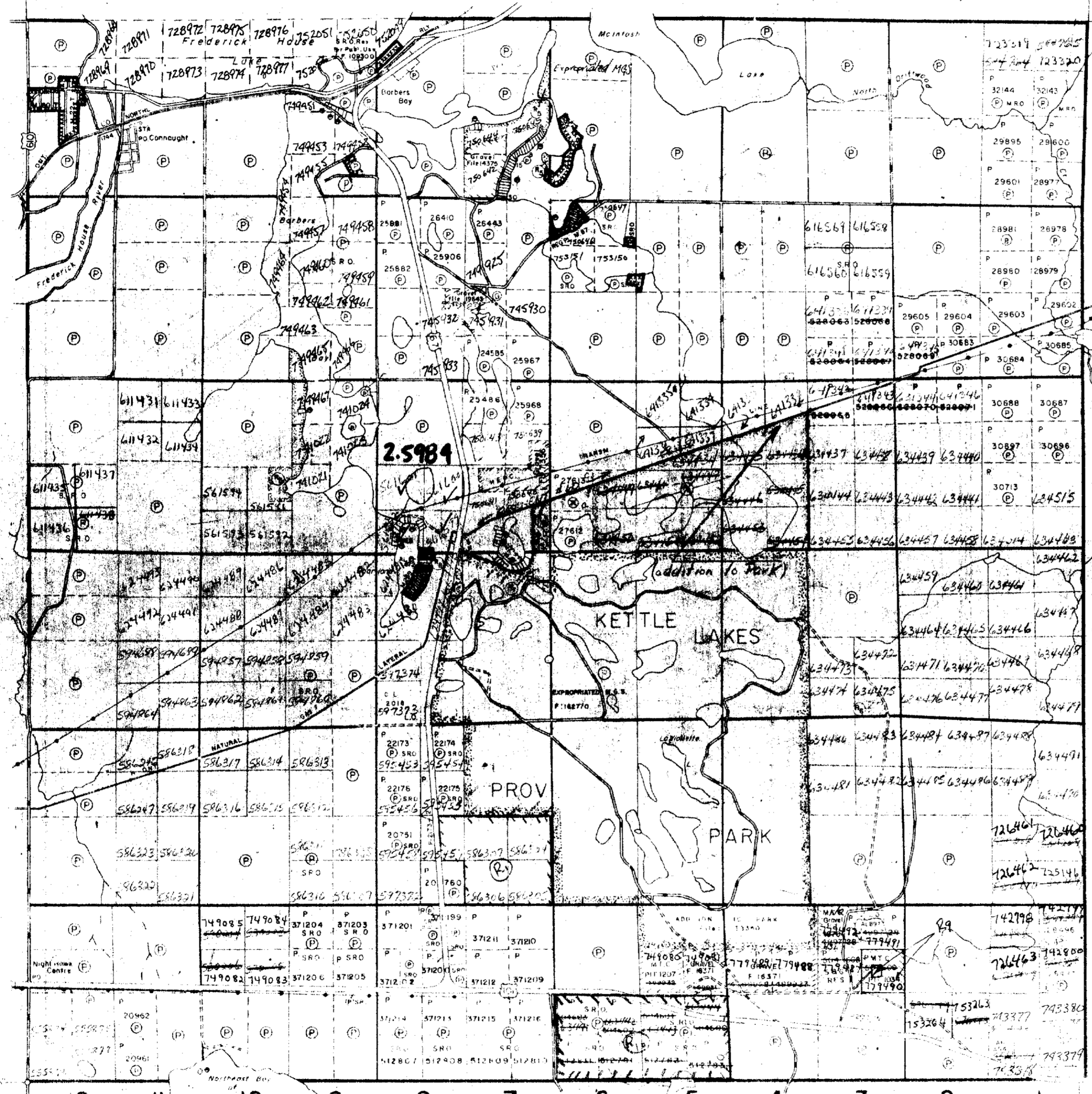
DUNDONALD TWP - M.343

THE TOWNSHIP OF  
GERMAN  
DISTRICT OF COCHRANE  
PORCUPINE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

MATHESON TWP - M.297

STOCK TWP - M.388



LEGEND

- PATENTED LAND (P)
- CROWN LAND SALE (C.S.)
- LEASES (L)
- LOCATED LAND (LOC)
- LICENSE OF OCCUPATION (L.O.)
- MINING RIGHTS ONLY (M.R.O.)
- SURFACE RIGHTS ONLY (S.R.O.)
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUCKEG
- MINES
- CANCELLED
- PATENTED for S.R.O.
- REGISTERED PLAN OF SUBDIVISION

NOTES

400' surface rights reservation along the shores of all lakes and rivers;

Summer resort locations patented for surface rights only shown thus (P)

This township lies within the Municipality of CITY of TIMMINS.

**Flooding Rights**

- on Nighthawk Lake & Frederick House River to elev. 903.5' reserved to Ont Hydro
- on Frederick House Lake to elev. 903.0' to Ont Hydro

Areas withdrawn from staking under Section 42 of the Mining Act (1955)

File	Date	Disposition
W 22275	2/20/76	M.R.O.
W 23225	2/23/76	S.R.O.
W 24275	2/23/76	S.R.O.
W 25275	2/23/76	S.R.O.
W 26275	2/23/76	S.R.O.
W 27275	2/23/76	S.R.O.
W 28275	2/23/76	S.R.O.
W 29275	2/23/76	S.R.O.
W 30275	2/23/76	S.R.O.
W 31275	2/23/76	S.R.O.
W 32275	2/23/76	S.R.O.
W 33275	2/23/76	S.R.O.
W 34275	2/23/76	S.R.O.
W 35275	2/23/76	S.R.O.
W 36275	2/23/76	S.R.O.
W 37275	2/23/76	S.R.O.
W 38275	2/23/76	S.R.O.
W 39275	2/23/76	S.R.O.
W 40275	2/23/76	S.R.O.

By Sewage disposal site - bona fide application under R.S.A. 1980 - see land roll - P.L.A.

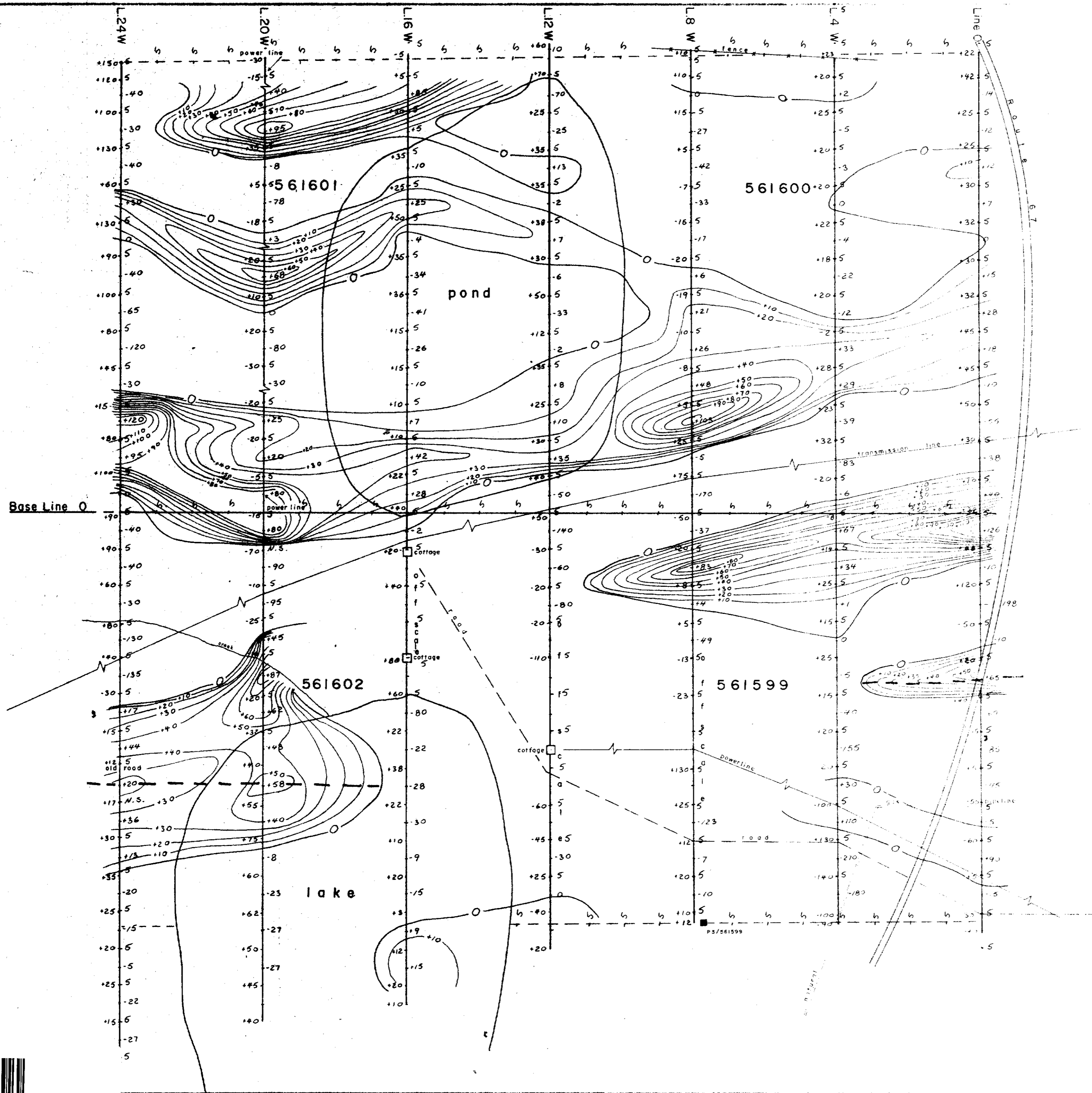
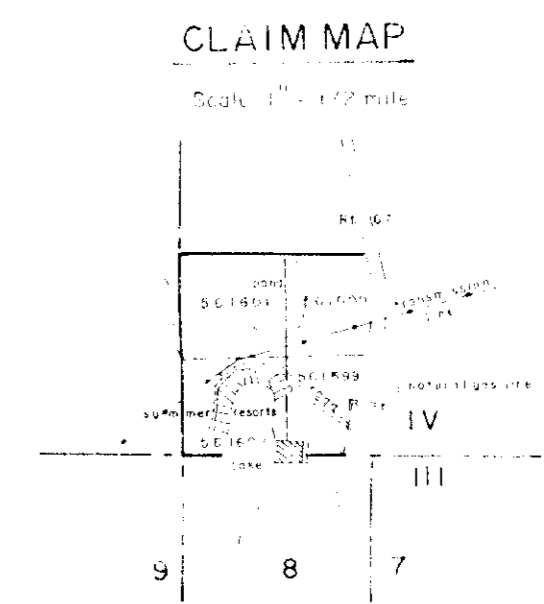
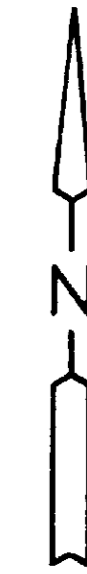
PLAN NO **M.283**

MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

DATE OF ISSUE  
FEB 21 1981  
Ministry of Natural Resources  
TORONTO

MACKLEM TWP - M.295





( dip - angle data )

Soil sample in p.p.b. ( Gold value in parts per billion )  
 ( Fraser filter values )

Non Siftable

LEGEND

- IN-PHASE RAW DATA
- MEASUREMENT STATIONS ALONG PICKET LINES
- FRASER REDUCTION METHOD USED
- CONTOUR INTERVAL : +10
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED GEONICS EM - 16
- CLAIM POST
- SWAMP

GEOCHEMICAL



Survey, Map ( N.T.A ) Station used. Notes calculated S-N

EM - 16

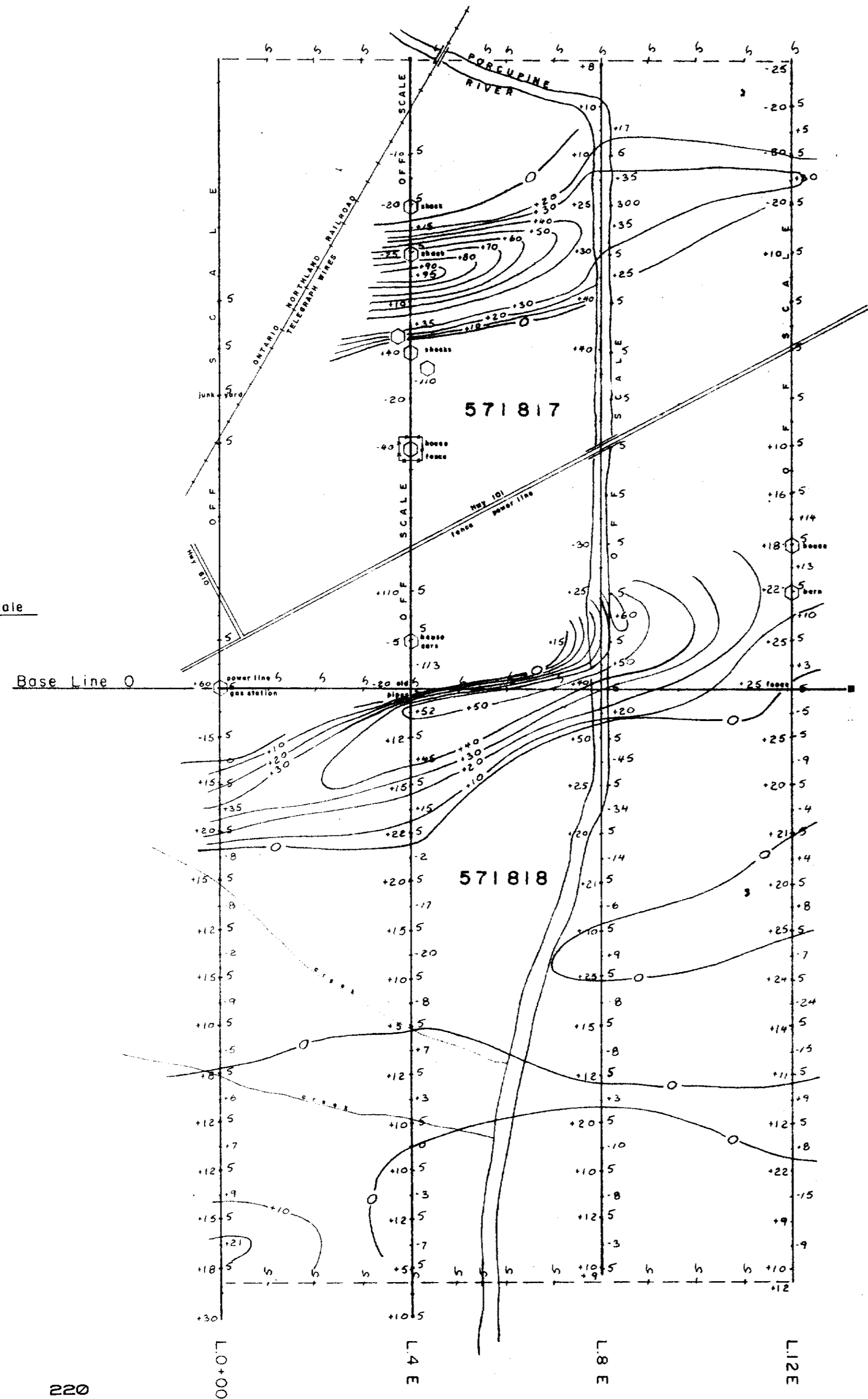
ELECTROMAGNETIC SURVEY

GRID - G-4

GERMAN TWP, ONT.

April, 1982



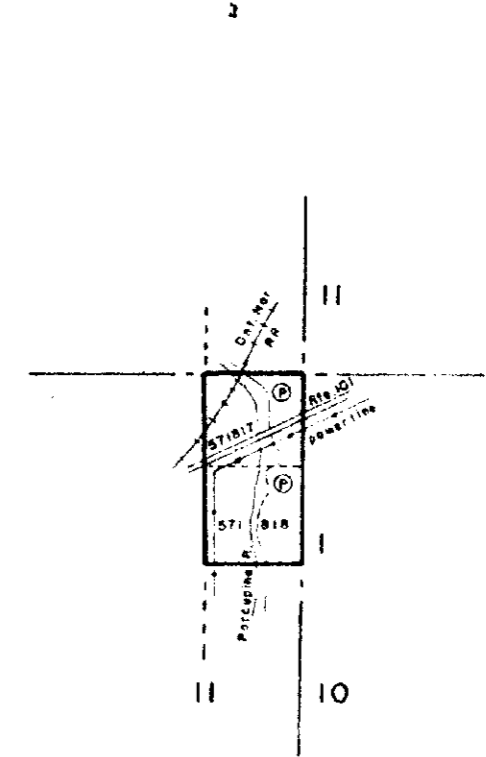


Note: Highway not shown to scale

### GEOCHEMICAL

#### LEGEND

- ( dip - angle data ) -3.5
- Soil sample in p.p.b. ( Gold value in parts per billion )
- ( Fraser filter values )
- 0.5
- 1.0
- 1.5
- 2.0
- 2.5
- 3.0
- 3.5
- 4.0
- 4.5
- 5.0
- 5.5
- 6.0
- 6.5



CLAIM MAP  
Scale 1" = 1/2 mile

#### LEGEND

- IN-PHASE RAW DATA
- MEASUREMENT STATIONS ALONG PICKET LINES
- FRASER REDUCTION METHOD USED
- CONTOUR INTERVAL : +10
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED : GEONICS EM - 16
- CLAIM POST
- SWAMP

Cutler, Maine (NAA) Station used. Notes calculated S - N

EM-16

## ELECTROMAGNETIC SURVEY

GRID - M - 3

MATHESON TWP, ONT.



*D.M. Ross*

25989

April, 1982





42A10SW8867 2.5984 GERMAN

010

A REPORT ON THE  
SOIL-SAMPLING GEOCHEMICAL PROGRAM  
MATHESON AND GERMAN TOWNSHIPS  
EASTERN MINES LIMITED

RECEIVED

NOV 7 1983

MINING LANDS SECTION

PROSPECTING GEOPHYSICS LIMITED  
VAL D'OR, Quebec  
November 3, 1983

A REPORT ON THE  
SOIL-SAMPLING GEOCHEMICAL PROGRAM  
MATHESON AND GERMAN TOWNSHIPS  
NORTHEASTERN ONTARIO

EASTERN MINES LIMITED

INTRODUCTION

During the period of September 9 to September 29, 1983, Prospecting Geophysics Limited of Val d'Or, Quebec conducted a soil-sampling geochemical program for Eastern Mines Limited on 11 claim groups in Matheson and German Townships, Northeastern Ontario.

The geochemical program was carried out to aid in rating the priority of several moderate to strong VLF-EM conductors outlined on both claim groups in a 1982 geophysical survey.

The following report and accompanying maps describe the results of the soil-sampling program on two of the 11 claim groups and give an interpretation of these results.

The personnel from Prospecting Geophysics reemployed in the sampling program were Technical Assistants R. Ferderber and D. Ferderber of Val d'Or, Quebec.

PROPERTY, LOCATION AND ACCESS

The two properties referred to in this report are identified as M-3 and G-4 and consists of two and four claims respectively, for a total of 240 acres (97 hectares).

The six claims, registered with the Ontario Ministry of Natural Resources on Plan No. M-297 and M-283, are as follows:

<u>GERMAN TWP</u>	<u>CLAIM NO</u>	<u>CONCESSION</u>	<u>LOT</u>
Grid G-4	P-561599	1V	8 SE 1/4; S 1/2
	P-561600	IV	8 NE 1/4; S 1/2
	P-561601	IV	8 NW 1/4; S 1/2
	P-561602	IV	8 SW 1/4; S 1/2

MATHESON TWP

Grid M-3	P-571817	1	11 NE 1/4; N 1/2
	P-571818	1	11 SE 1/4; N 1/2

The two properties are located in the Matheson area some 22 miles (35km) north of Kirkland Lake. Claim group G-4, in German Township is located at the northwest corner of Kettle Lakes Park and is bounded on the east by Highway 67. Group M-3, in Matheson Township is divided by Highway 101, that continues west to Timmins.

The distance between the claim groups is eight miles.

The topography in the general area is considered to be flat.

HISTORY OF WORKWORK PERFORMED 1982

The claims were included in a VLF-EM survey. This work was done along cut picket lines at 200-foot intervals. Several moderate to strong east-west EM conductors were defined in the survey.

WORK PERFORMED 1983Geochemical Survey

A soil-sampling geochemical program was conducted by Prospecting Geophysics to define hidden mineralized areas and to aid in rating the priority of the EM conductors. The survey grid was used as a base and samples were taken every 100 feet on lines spaced at 200-foot intervals.

The samples of C soil horizon and organic muck were obtained by hand screw auger from depths of up to three feet. Samples were numbered in the field by line and station. After drying and sieving to obtain the minus 80 mesh fraction, the samples were renumbered numerical before shipping to Bourlamaque Assay Laboratories Ltd. in Val d'Or. Analysis for Au was carried out by the fire assay analysis and using the aqua regia extraction method.

The results of the soil geochemical program are presented on the two accompanying geophysical maps (Map M-3 and Map G-4).

#### GENERAL GEOLOGY

The claims are located in the southern part of the Abitibi volcanic belt of the Superior province of the Canadian Shield. The Precambrian volcanics; sedimentary and intrusive rocks of the area are Archean in age, except for late diabase dykes.

The general geology of the townships can be seen on O. D. M. Map 2205, the Timmins - Kirkland Lake Sheet, published in 1972. The bedrock similar to that of the Timmins area; much of it is covered by Pleistocene boulder-clay tills and deposits of sand and gravel. The oldest rocks are mafic metavolcanics (commonly referred to as Keewatin) which are mostly andesitic in composition, and good pillows occur in some localities.

The Temiskaming sediments underlie most of the area. A medium grained grey wacke is the most dominant rock type with interbedded siltstone, slate, argillite and pebble conglomerate.

These older formations have been intruded by small stocks, bosses, sills and dykes of igneous rocks ranging in compo-

sition from serpentinite to sialic porphyry. These igneous intrusions are not all of the same age; the youngest are north-trending olivine diabase dykes.

Gold mineralization in the area is generally associated with quartz-carbonate vein material along carbonatized zones which are most common in massive volcanics at or near the sedimentary-volcanic boundary. The carbonatized zones generally strike east-west and dip vertically to steeply north.

#### CONCLUSIONS AND RECOMMENDATIONS

The results of 328 geochemical soil-samples failed to define trends in gold mineralization. One isolated value of 300 ppb in Au along the river ~~bank~~<sup>bank</sup> in Group M-3 is considered to be the result of contamination.

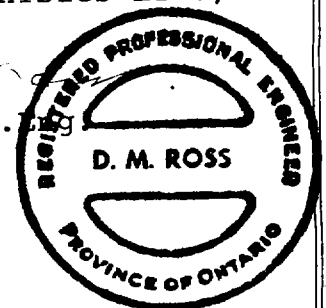
The failure of the soil-sampling program to detect anomalous values in gold is probably the result of areas covered by glacial clays and wind blown sands. Also, the sample spacing of 100 feet by 200 feet is considered too broad to identify a narrow source for gold mineralization.

It is recommended that the next phase in the exploration program would be the diamond drilling of the most prominent conductors outlined in the geophysical survey.

Respectfully submitted,

PROSPECTING GEOPHYSICS LTD.,

*David M. Ross*  
David M. Ross, P. Eng.







LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

TEL: (818) 824-4337

JSP 416

VAL D'OR, QUEBEC

LABORATOIRE D'ANALYSE

EN COMPTE AVEC  
IN ACCOUNT WITH

FACTURE  
INVOICE

Eastern Mines Limited,  
c/o Prospecting Geophysics Limited,  
169 Perrault,  
Val d'Or, Que.

DATE .....October....31.....1983.....

LF GM-308

Cert. No. 39625

page 1: 88 Au  
page 2: 75 Au  
page 3: 90 Au  
page 4: 90 Au  
page 5: 90 Au 40  
page 6: 90 Au 90  
page 7: 84 Au 84  
page 8: 90 Au 90  
page 9: 25 Au 24

722 Au @ 7.50 (fire/AA assay)

Matheson Twp Grid M-3 114 samples  
German Twp Grid G-4 214 samples

\* Preparation of  
including 3 Nss.

\* Note: includes drying, sieving to  
minus 80 mesh fraction and  
editing sample numbers.

*[Signature]*

\$5415.00  
855.00  
1665.00  
2460.00  
827.50  
3287.50



Ministry of  
Natural  
Resources  
Ontario

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

# 237



42A105W8867 2.5984 GERMAN

P-571817

The Minin

900

Type of Survey(s) **GEOCHEMICAL**

Claim Holder(s) **DON MCKINNON**

Township or Area **MATHESON GERMAN**

Prospector's Licence No. **15389**

Address **Box 1130 TIMMINS ONT P4N 7S6**

Survey Company **PROSPECTING GEOPHYSICS LTD**

Date of Survey (from & to) **25 08 83 05 09 83** Total Miles of line Cut

Day Mo. Yr. Day Mo. Yr.

Name and Address of Author (of Geo-Technical report)  
**DAVID ROSS, 169 PERREAUIT AVE VAL DOR QUEBEC L1A 1P2H1**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: Use the same grid:	- Radiometric	
Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	
Additional Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	<b>13</b>
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	561599	33 1/2			
	561600	33 1/3			
	561601	33 1/3			
	561602	33 1/3			
	571817	33 1/3			
	571818	33 1/3			

**RECEIVED**

SEP 27 1983

SEP 27 1983

MINING LANDS SECTION

*See Reversed Statement*

Total number of mining claims covered by this report of work. **6**

For Office Use Only

Total Days Cr. Date Recorded **278 Sept 6/83**

Date Approved as Recorded **Sept 6/83**

Branch Director **[Signature]**  
Regional Mining Recorder

Expenditures (excludes power stripping)

Type of Work Performed **ANALYSES**

Performed on Claim(s) **P561599 - 561600 - 561601**

**561602 - 571817 - 571818**

Calculation of Expenditure Days Credits

Total Expenditures	Total Days Credits
<b>3600</b>	<b>200</b>

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.

Date **05-09-83**

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  
**DON MCKINNON Box 1130 TIMMINS ONT**

# Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	÷	No. of Claims	=	Days per Claim
[ ]		7		[ ]		[ ]		[ ]		[ ]		[ ]

Type of Survey

GEOCHEMICAL

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	÷	No. of Claims	=	Days per Claim
14		7		98		[ ]		98		6		13

Type of Survey

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	÷	No. of Claims	=	Days per Claim
[ ]		7		[ ]		[ ]		[ ]		[ ]		[ ]

Type of Survey

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	÷	No. of Claims	=	Days per Claim
[ ]		7		[ ]		[ ]		[ ]		[ ]		[ ]

CREDITS REQUESTED UNDER

EXPENDITURES

TOTAL DAYS  
CREDIT  
200

MAN DAYS / CLAIMS  
33 1/2

SPECIAL PROVISIONS

FIELD - MEN CONSULTANTS 98  
+ DRAFTSMEN  
298

13  
46 1/2

46 1/2 DAYS PER CLAIMS (CREDIT REQUESTED)

CD WORK

RECEIVED

SEP 27 1983

MINING LANDS SECTION



# Technical Assessment Work Credits

File 2.5984

Date 1984 07 05

Mining Recorder's Report of Work No. 237

Recorded Holder  
**DON MC KINNON**

Township or Area  
**MATHESON & GERMAN**

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 Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical <u>13</u> days Man days <input checked="" 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.	P 561599 to 602 incl 571817-18

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

No credits allowed for expenditures.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days reported for

2.5984

SEQUENCE OF EVENTS ON FILE 2.5984

1. September 27, 1983. Received copy of Report of Work from Mining Recorder in Timmins, Ontario for work recorded on September 6, 1983. Work consisted of a geochemical survey requesting 13 days credits for each of the 6 claims listed and analytical costs under Section 77(19) in the amount of \$3,000.
2. November 7, 1983. Received reports and maps and invoice only in support of report of work.
3. November 9, 1983. Letter to Mining Recorder acknowledging receipt of reports and maps. Copy and letter sent to Don McKinnon.
4. February 16, 1984. File approved by Dr. J. Fortescue of O.G.S. for technical adequacy.
5. March 6, 1984. Letter to Don McKinnon requesting receipts or cancelled cheques as verification of expenditure payment. Copy of letter to Mining Recorder.
6. June 5, 1984. Registered letter to Don McKinnon, notifying that information requested in letter of March 6, 1984 must be received by Main Office by June 20, 1984 or the Mining Recorder will be directed to delete credits. Copy of letter dated March 6, 1984 was enclosed with registered letter. Copy of registered letter to Mining Recorder.
7. July 5, 1984. Main Office issued Notice of Intent allowing 13 days geochemical for each of the six claims but not allowing any credits for expenditures since no proof of payment was received. Notice of Intent is sent to Mining Recorder with copies to Don McKinnon and the Mining and Lands Commissioner.
8. July 23, 1983. Main Office issues final approval after Notice of Intent to Mining Recorder with copies to Don McKinnon, the Mining and Lands Commissioner and Resident Geologist, Timmins. Credits allowed were 13 days for geochemical for each of the six claims with no credits allowed for expenditures.

RP:nfc  
1984:11:19

2.5984

1984 07 23

Your File: 237  
Our File: 2.5984

Mr. Bruce Hanley  
Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

RE: Notice of Intent dated July 5, 1984 -  
Assaying & Geochemical Survey on Mining Claims  
P 561599 et al in the Townships of Matheson  
and German.

---

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

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

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416) 965-6918

S. Hurst:sc

cc: Don McKinnon  
BBox 1130  
Timmins, Ontario  
P4N 7S6

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

cc: Resident Geologist  
Timmins, Ontario



Ministry of  
Natural  
Resources

(rio)

July 20/84

1094 07 05

Your File: 237  
Our File : 2.5984

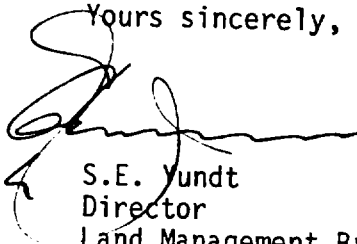
Mr. Bruce Hanley  
Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

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

Encls.

*R* S. Hurst:sc

cc: Don McKinnon  
Box 1130  
Timmins, Ontario  
P4N 7S6

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



Ministry of  
Natural  
Resources

## Notice of Intent for Technical Reports

1984 07 05

2.5984/237

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 Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



REGISTERED

June 5, 1984

File: 2.5984

Don McKinnon  
Box 1130  
Timmins, Ontario  
P4N 7S6

Dear Sir:

RE: Assaying and Geochemical Survey submitted  
on Mining Claims P 561599 et al in the  
Townships of Matheson and German

---

Enclosed is a copy of our letter dated March 6, 1984,  
requesting additional information for the above-described  
survey.

Unless you can provide the required data by June 20, 1984,  
the mining recorder will be directed to cancel the work  
credits recorded on September 6, 1983.

For further information, please contact Mr. Ray 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  
Phone: (416)965-4888

S. Hurst:mc

cc: Mining Recorder  
Timmins, Ontario

Encl.



237

1983 11 09

2.5984

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

Dear Sir:

We have received data for Geochemical survey and Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 for mining claims P 561599 et al in the Townships of Matheson and German.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

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

A. Barr:mc

cc: Don McKinnon  
Box 1130  
Timmins, Ontario  
P4N 7S6

# PROSPECTING GEOPHYSICS LTD.

GEOPHYSICAL & GEOLOGICAL SURVEYS

169 PERRAULT AVENUE, VAL D'OR, QUEBEC J9P 2H1 • TEL. 819-824-3910

November 3, 1983

Mr. E.F. Anderson  
Land Management Branch  
Whitney Black, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3

RE: Geochemical Survey on Mining  
Claims P 561599 et al in Ma-  
theson and German Townships.

Dear Sirs:-

Enclosed herewith are two (2) copies  
of our report with accompanying maps for a soil-sam-  
pling program in Matheson and GERMAN Townships,  
Northeastern Ontario.

In support of this survey, I am  
enclosing a copy of the cost of analyses for 328  
samples on two claim groups.

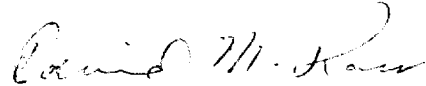
Yours truly,

**RECEIVED**

NOV 7 1983

MINING LANDS SECTION

PROSPECTING GEOPHYSICS LTD.,



David M. Ross, P.Eng.

/cg  
Encls:

