



52C13SW0002 2.11962 MATHER

010

FINLAND
MAGNETOMETER PROFILE, SELF POTENTIAL LINES
AND BIOGEOCHEMICAL CHECK
OF AN OLD INCO AERO-ELECTROMAGNETIC ANOMALY
IN MATHER AND POTTS TOWNSHIPS, ONTARIO

for

Walter M. Cummings
240 Markland Drive
Etobicoke, Ontario
M9C 1R3

RECEIVED

DEC 28 1988

MINING LANDS SECTION

by

Michael Ogden, B.A.Sc., P.Eng.
Toronto, Ontario.

December 1988

Dual
63A.383



010C

TABLE OF CONTENTS

	Page
INTRODUCTION AND REFERENCES	1
PROPERTY, LOCATION AND ACCESS	1
THE FLAGGED STATIONS	2
MAGNETOMETER PROFILE	2
TWO LINES OF SELF POTENTIAL SURVEY	3
ROCK SAMPLE ANALYSIS	3
BIOGEOCHEMISTRY	4
CONCLUSIONS	4
RECOMMENDATIONS	5

1020555	=	NE	portion	S1/2	Lot	4,	Conc.I,	Potts	Twp.,	recorded	Dec.22/87
1020556	=	NW	"	"	"	"	"	"	"	"	Dec.22/87
1020557	=	SW	"	"	"	"	"	"	"	"	Dec.22/87
1020558	=	SE	"	"	"	"	"	"	"	"	Dec.22/87
1020559	=	NE	portion	N1/2	Lot	2,	Conc.VI,	Mather	Twp.,	"	Dec.22/87
1020560	=	NW	"	"	"	"	"	"	"	"	Dec.22/87
1020957	=	SW	"	"	"	"	"	"	"	"	Dec.22/87
1020958	=	SE	"	"	"	"	"	"	"	"	Dec.22/87
1020959	=	NE	"	S1/2	"	"	"	"	"	"	Dec.22/87
1020960	=	NW	"	"	"	"	"	"	"	"	Dec.22/87
1063158	=	NE	"	N1/2	Lot	3,	"	"	"	"	Jul.12/88
1063159	=	SE	"	"	"	"	"	"	"	"	Jul.12/88

THE FLAGGED STATIONS

A line of stations marked by orange flagging tape on the trees and numbered 1 to 30 was established at 50 foot intervals, starting 130 feet south of the No.1 post of 1020559 and extending toward the southwest to an area of outcrop. The apparent collar of the 1972 hole by Canico (Inco No.48577) is at Station No.3. It was drilled along the line to the southwest at a dip of 45° for 226 feet.

MAGNETOMETER PROFILE

A crude profile was run earlier in the summer with a Conimag but it was replaced by that of a MP-2 Proton Precession Magnetometer built by Scintrex. The latter is shown at 200 and also at 40 feet to the inch on the accompanying sketches.

The profiles indicate the dip of magnetic strata to be steeply to the southwest. Such is corroborated by a stereo net analysis of the three Canico holes which shows the dip of the formations to be about 75° to the southwest. The almost flat profile after the last outcrop area

("B" on Plan) suggests a more acid rock under "C" and "D". The rocks at "B" had become much more acidic.

TWO LINES OF SELF POTENTIAL SURVEY

These were run at 50 feet intervals over the flagged line and also along a parallel line 300 feet southeast of the first line.

A fixed back pot was used with just the two base stations "00" for the first line and station number "3" for the cross line and the other parallel line. As can be seen the results are all within normal range. Unless one takes the average of the common numbers, i.e. 39 and consider it to be really zero then the values at stations 1, 2, 3, 4 and 5 become -39, -36, -31, -23, -19, -20 which might be construed as a very weak anomaly.

We also ran the flagged stations from 0 to 27 using the less accurate leap-frog method of Self Potential. The results which varied from -13 to -80 were again inconclusive although the area around station 16 might be worth further investigation by some other method.

ROCK SAMPLE ANALYSIS

The accompanying map on a scale of 1 inch to 40 feet shows the rock outcrop in the vicinity of the old Canico anomaly. There is a rather vague indication of a trend of higher metal values from the small trench at Station No.7 toward the northwest through samples 81, 82 and 16971, with unusually high gold or copper values. The small pit or trench near Station No.7 is a bit of an enigma in itself, for about half of the five rock samples that have been taken from here are anomalously high in gold, copper, or zinc. The odd high gold is found elsewhere (e.g. No.80 to the northeast) but the expected northwest trend seems to be real.

BIOGEOCHEMISTRY

In the past, spruce cutting or spruce bark, or tag alder leaves and twigs, or maple leaves and twigs have faithfully reflected the underlying mineralization. Here, the only common shrub or tree was poplar, so we cut samples of poplar bark at chest height at 50 foot intervals (i.e. Stations 0 to 24).

The results as shown on the accompanying plan "Geochemistry" at a scale of 1 inch to 40 feet are not exactly "definitive". The slight increase in gold content at Stations 7, 9 and 14 plus molybdenum at 4 and 10, with iron at 4, 7 and 14 and zinc at 16, all hint or suggest that there is an increase in the metal content of the rocks underlying Stations 4 to 16, a distance of 600 feet.

It is worth noting that the series of 30 samples taken from Stations 0 to 29 in early August returned a bizarre amount of gold from X-Ray Assay Laboratories, e.g. up to 1200 parts per billion, whereas people in the Geological Survey of Canada tell me that 200 ppb is the highest that can be expected from bark samples. Hence we resampled the line in September giving the very low value of 0.1 gold as a high.

CONCLUSIONS

1. The northwest trend of unusual metal content (gold, copper, zinc, and perhaps molybdenum) is reasonably well established and indicates a broad zone of underlying metallic mineralization.
2. The magnetics suggest a series of southwest dipping (75° from the stereo net) zones of pyrrhotite + magnetite in gabbros starting at about Station 13 and continuing toward the northeast to Station No.3 and perhaps even beyond the zero. They are overlain by acidic rocks toward the southwest.

3. Poplar bark may be a poor choice for geobiochemical prospecting.

RECOMMENDATIONS

1. Find the old aero-electromagnetic anomaly on the ground by vertical loop E.M.
2. Detail its length, width, multiple parallel structures and apparent dip if possible.
3. Run 2 or 3 gravity survey lines over it and out into the country rock to ascertain if a body of substantial gravity, e.g. a copper, zinc orebody is indicated somewhere between surface and 3000 feet in depth.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael Ogden", written over a horizontal line.

Michael Ogden, B.A.Sc., P.Eng.

SAMPLE	AU PPB	CR PPM	FE %	CO PPM	ZN PPM	AS PPM
50	<0.1	<0.3	0.007	0.5	140	0.03
57	<0.1	<0.3	0.007	0.5	130	0.03
58	<0.1	<0.3	<0.005	0.4	78	0.02
59	0.1	<0.3	<0.005	0.4	130	0.02
60	<0.1	<0.3	<0.005	<0.3	150	0.01
61	<0.1	<0.3	<0.005	0.3	79	0.01
62 AB	<0.1	0.3	0.009	0.6	140	0.05
63 BR AS CO Fe	<0.1	<0.3	0.011	0.8	130	0.07
64	<0.1	<0.3	0.006	<0.3	82	0.02
65	<0.1	<0.3	0.007	<0.3	63	0.03
66	<0.1	<0.3	0.008	<0.3	94	0.04
67 BR AS	0.1	<0.3	0.007	0.3	88	0.06
68 BA BR	<0.1	<0.3	0.008	0.3	87	0.04
69	0.1	<0.3	<0.005	<0.3	46	0.02
70 CO	<0.1	<0.3	<0.005	1.2	98	0.03
71 Mo	<0.1	<0.3	0.006	0.3	25	0.02
72 BA	<0.1	<0.3	<0.005	0.3	120	0.02
73	<0.1	<0.3	<0.005	<0.3	100	0.02
74	<0.1	<0.3	<0.005	<0.3	110	0.01
75 BA	<0.1	<0.3	<0.005	<0.3	92	0.01
76 BA	0.3	<0.3	0.005	0.4	90	0.02
80 CO	<0.1	<0.3	0.007	1.0	110	0.03
87	<0.1	<0.3	0.007	0.6	110	0.04
88	<0.1	<0.3	<0.005	0.4	130	0.01
89	<0.1	<0.3	<0.005	0.6	160	<0.01
90 Mo FINE AND 3 MILS	<0.1	<0.3	<0.005	0.7	140	<0.01
91	<0.1	<0.3	<0.005	0.6	110	0.02
92	<0.1	<0.3	<0.005	0.6	100	0.01
93	<0.1	<0.3	<0.005	0.4	92	0.01
94 Mo Fe	<0.1	0.3	0.010	0.3	120	0.04
95	<0.1	<0.3	0.005	<0.3	130	0.04
96	<0.1	<0.3	<0.005	0.4	99	0.02
97 CO Fe	0.1	<0.3	0.010	0.8	140	0.04
98 Fe	<0.1	0.3	0.013	0.5	110	0.04
99	0.1	<0.3	0.008	0.3	140	0.02
100 Mo	<0.1	0.3	0.009	0.3	100	0.04
101	<0.1	<0.3	<0.005	<0.3	83	0.01
102	<0.1	0.3	0.005	<0.3	100	0.01
103 Fe	0.1	0.3	0.014	0.3	160	0.04
104 ZN	<0.1	<0.3	0.008	<0.3	240	0.03
105	<0.1	<0.3	<0.005	0.3	110	0.01
106	<0.1	0.3	0.006	<0.3	110	0.01
107	<0.1	0.3	0.007	<0.3	120	0.03
108	<0.1	<0.3	<0.005	0.4	140	0.01
109 = 1049	0.1	<0.3	<0.005	0.4	120	0.01

STN. No

1
2
3
4
5
6
7
8
9
10
11
12
14
16
18
20
22
24

SAMPLE	SE PPM	BR PPM	MO PPM	AG PPM	SB PPM
57	<0.5	0.62	<0.07	<0.3	0.01
58	<0.5	1.20	<0.07	<0.3	0.01
59	<0.5	0.37	<0.05	<0.3	<0.01
60	<0.5	0.27	<0.07	<0.3	0.01
61	<0.5	0.24	<0.07	<0.3	<0.01
62	<0.5	0.21	<0.07	<0.3	<0.01
63	<0.5	0.55	<0.07	<0.3	0.01
64	<0.5	1.20	<0.07	<0.3	0.01
65	<0.5	0.40	0.07	<0.3	0.01
66	<0.5	0.69	<0.05	<0.3	0.01
67	<0.5	0.68	<0.06	<0.3	0.01
68	<0.5	1.10	<0.07	<0.3	0.01
69	<0.5	1.30	<0.07	<0.3	0.01
70	<0.5	0.61	0.08	<0.3	0.01
71	<0.5	0.69	<0.05	<0.3	0.01
72	<0.5	0.82	0.09	<0.3	0.01
73	<0.5	0.52	<0.07	<0.3	0.01
74	<0.5	0.71	0.08	<0.3	<0.01
75	<0.5	0.40	<0.07	<0.3	<0.01
76	<0.5	0.44	<0.07	<0.3	<0.01
77	<0.5	0.90	0.07	<0.3	0.01
78	<0.5	0.75	<0.07	<0.3	0.01
79	<0.5	0.77	0.08	<0.3	0.02
80	<0.5	0.51	<0.08	<0.3	0.01
81	<0.5	0.35	<0.08	<0.3	0.01
82	<0.5	0.35	0.12	<0.3	0.01
83	<0.5	0.38	<0.05	<0.3	<0.01
84	<0.5	0.33	<0.07	<0.3	<0.01
85	<0.5	0.21	<0.05	<0.3	<0.01
86	<0.5	0.76	0.14	<0.3	0.01
87	<0.5	0.39	<0.05	<0.3	0.01
88	<0.5	0.44	<0.07	<0.3	0.01
89	<0.5	0.73	<0.08	<0.3	0.01
90	<0.5	0.80	<0.08	<0.3	0.02
91	<0.5	0.60	<0.07	<0.3	0.01
92	<0.5	0.63	0.14	<0.3	0.01
93	<0.5	0.40	<0.07	<0.3	0.01
94	<0.5	0.45	<0.07	<0.3	0.01
95	<0.5	0.69	<0.08	<0.3	0.01
96	<0.5	0.62	<0.08	<0.3	0.01
97	<0.5	0.39	<0.07	<0.3	<0.01
98	<0.5	0.38	<0.07	<0.3	0.01
99	<0.5	0.57	<0.07	<0.3	0.01
100	<0.5	0.37	<0.07	<0.3	<0.01
101	<0.5	0.37	<0.07	<0.3	<0.01
102	<0.5	0.52	<0.07	<0.3	0.01
103	<0.5	0.37	<0.07	<0.3	<0.01
104	<0.5	0.52	<0.07	<0.3	<0.01

90 FAMILANID SPLS.

91 = 2 1

92 2

93 3

94 4

95 5

96 6

97 7

98 8

99 9

100 10

101 11

102 12

103 14

104 16

105 18

106 20

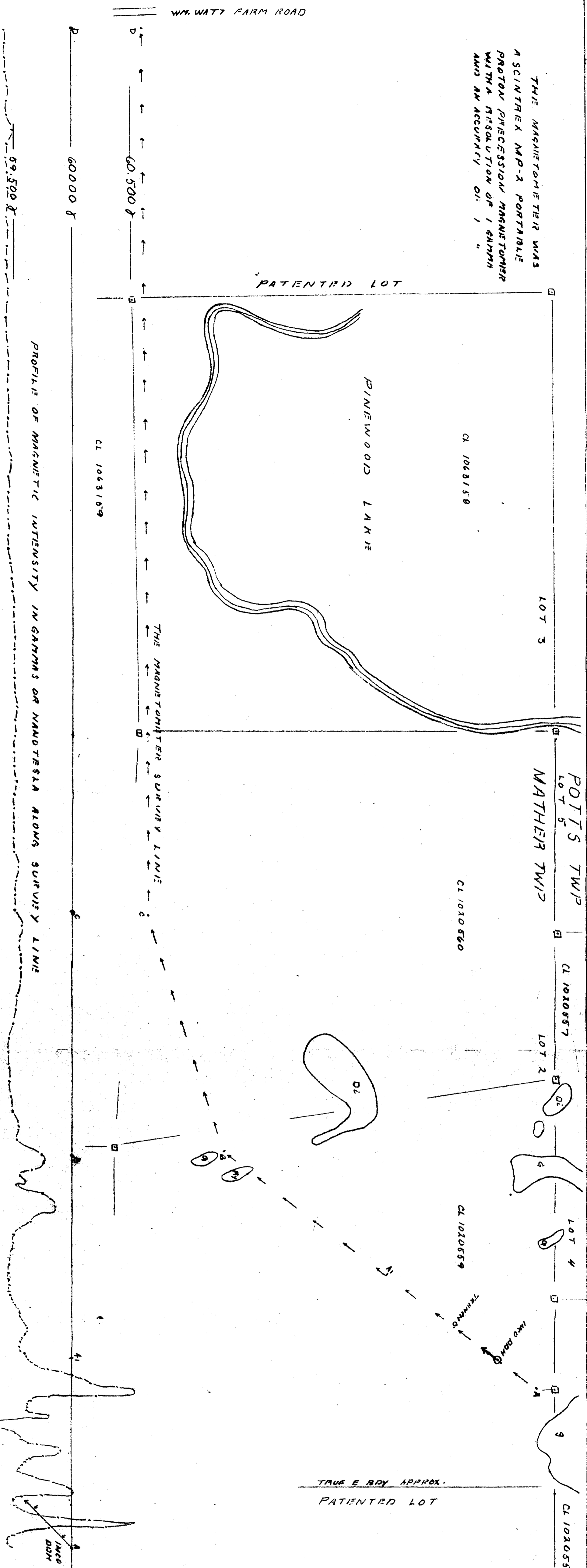
107 22

108 24

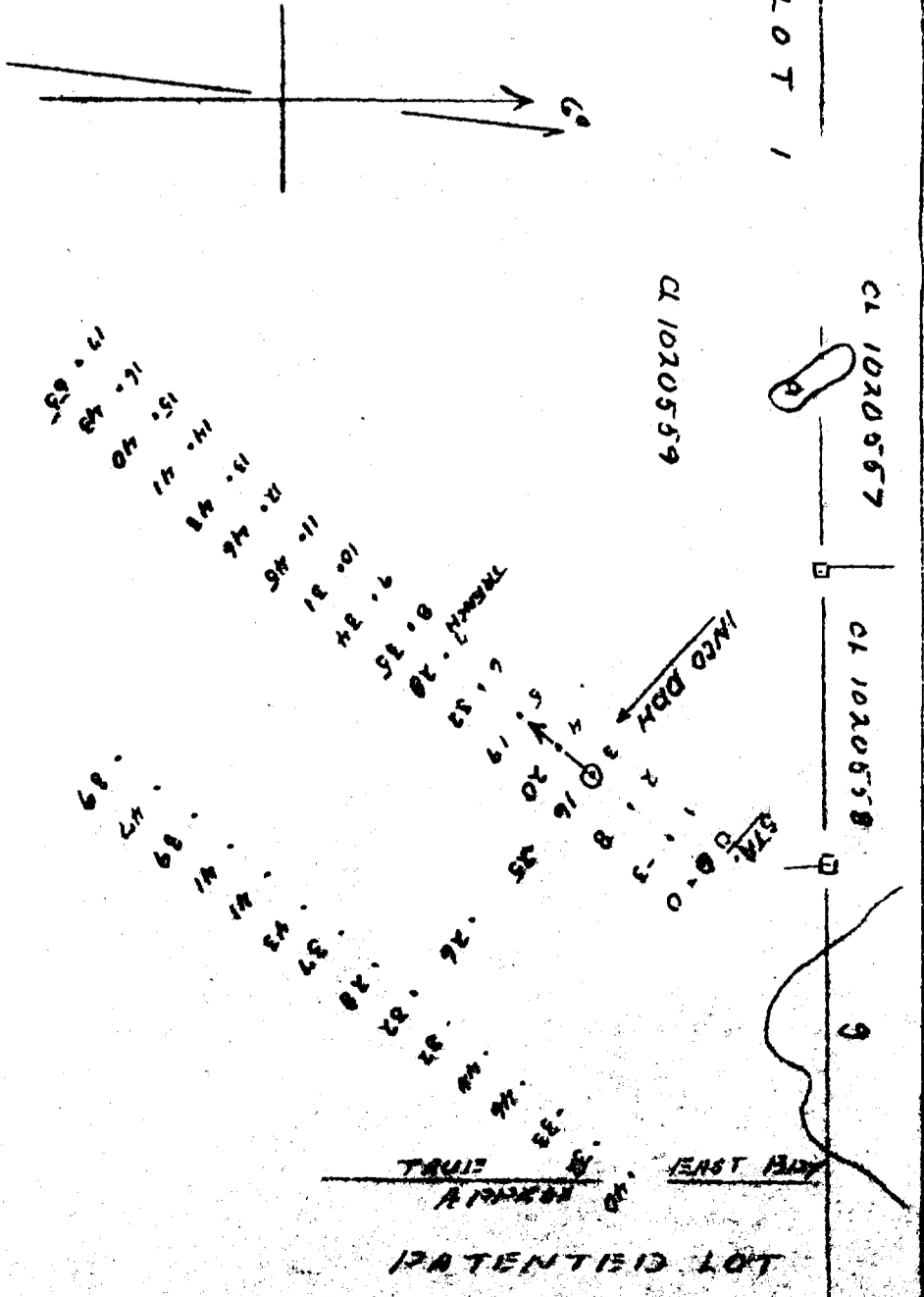
109 = 13 BAGS

SAMPLE	BA PPM	TA PPM	W PPM	TH PPM	U PPM
56	80	<0.2	<0.05	<0.1	<0.02
57	90	<0.2	<0.05	<0.1	<0.02
58	60	<0.2	<0.05	<0.1	<0.02
59	130	<0.2	<0.05	<0.1	<0.02
60	70	<0.2	<0.05	<0.1	<0.02
61	60	<0.2	<0.05	<0.1	<0.02
62	60	<0.2	<0.05	<0.1	<0.02
63	30	<0.2	<0.05	<0.1	<0.02
64	30	<0.2	<0.05	<0.1	<0.02
65	60	<0.2	<0.05	<0.1	<0.02
66	120	<0.2	<0.05	<0.1	<0.02
67	150	<0.2	<0.05	<0.1	<0.02
68	210	<0.2	<0.05	<0.1	<0.02
69	<20	<0.2	<0.05	<0.1	<0.02
70	260	<0.2	<0.05	<0.1	<0.02
71	<20	<0.2	<0.05	<0.1	<0.02
72	200	<0.2	<0.05	<0.1	<0.02
73	150	<0.2	<0.05	<0.1	<0.02
74	130	<0.2	<0.05	<0.1	<0.02
75	200	<0.2	<0.05	<0.1	<0.02
76	240	<0.2	<0.05	<0.1	<0.02
86	120	<0.2	<0.05	<0.1	<0.02
87	140	<0.2	<0.05	<0.1	0.02
88	130	<0.2	<0.05	<0.1	<0.02
89	130	<0.2	<0.05	<0.1	<0.02
90	80	<0.2	<0.05	<0.1	<0.02
91	70	<0.2	<0.05	<0.1	<0.02
92	70	<0.2	<0.05	<0.1	<0.02
93	40	<0.2	<0.05	<0.1	<0.02
94	40	<0.2	<0.05	<0.1	<0.02
95	30	<0.2	<0.05	<0.1	<0.02
96	30	<0.2	<0.05	<0.1	<0.02
97	100	<0.2	<0.05	<0.1	<0.02
98	50	<0.2	<0.05	<0.1	<0.02
99	50	<0.2	<0.05	<0.1	<0.02
100	30	<0.2	<0.05	<0.1	0.02
101	30	<0.2	<0.05	<0.1	<0.02
102	40	<0.2	<0.05	<0.1	<0.02
103	60	<0.2	<0.05	<0.1	<0.02
104	30	<0.2	<0.05	<0.1	<0.02
105	30	<0.2	<0.05	<0.1	<0.02
106	30	<0.2	<0.05	<0.1	<0.02
107	80	<0.2	<0.05	<0.1	0.02
108	120	<0.2	<0.05	<0.1	<0.02
109	140	<0.2	<0.05	<0.1	<0.02

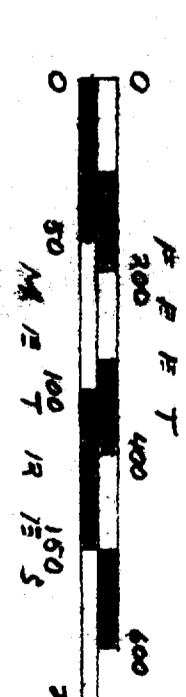
THE MAGNETOMETER WAS
A SCINTREX MP-2 PORTABLE
PROTON PRECESSION MAGNETOMETER
WITH A RESOLUTION OF 1 GAMMA
AND AN ACCURACY OF 1 "



TRUE E. BODY APPROX.
PATENTED LOT

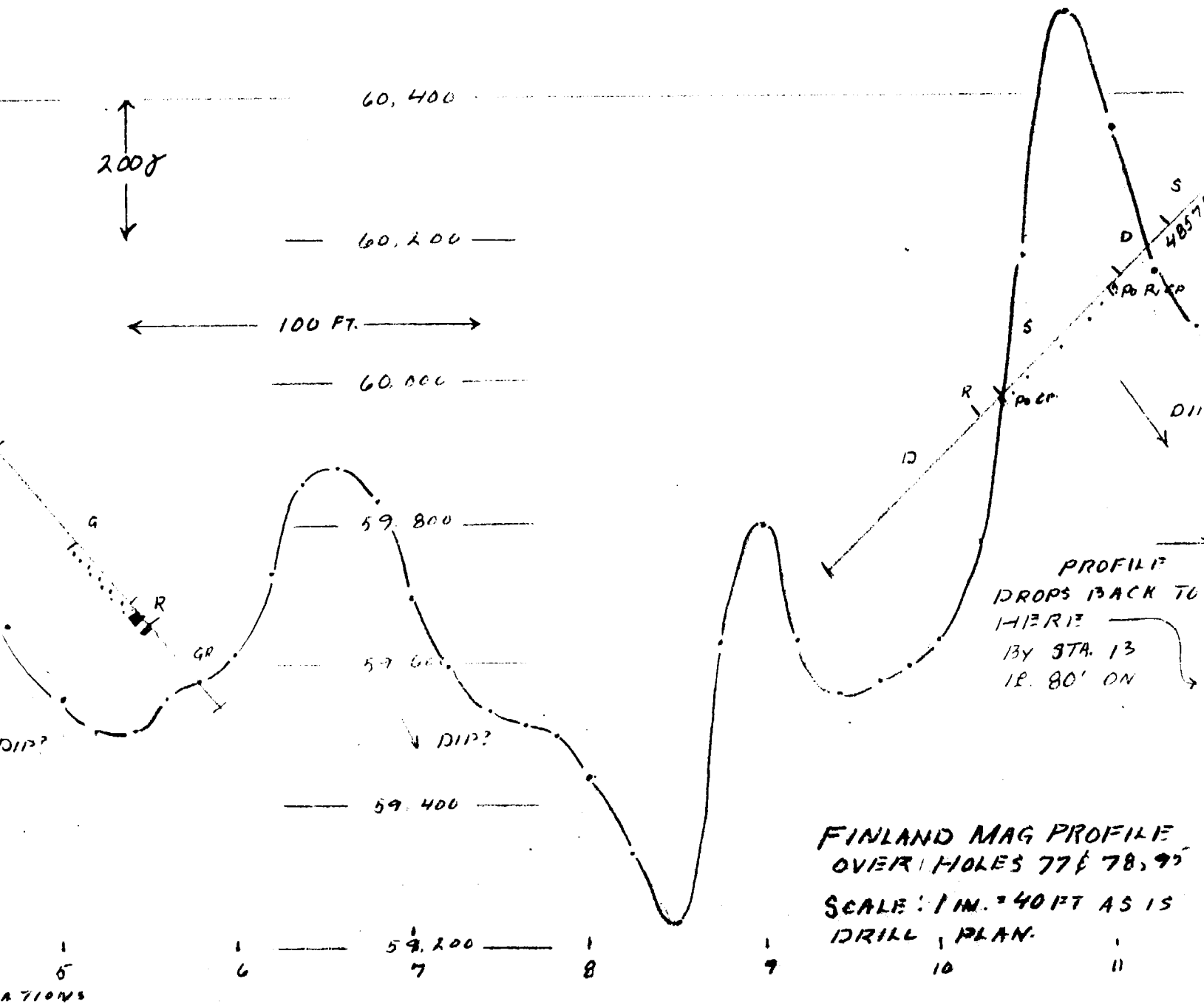


DUPLICATE PLAN SHOWING SUR. RESULTS
USING A FIXED BACK POT
BASE STA. @ 0 FOR LINE OF FLAGGED STATIONS
" " @ STA. # 3 FOR ALL OTHERS



WALTER M. CUMMINGS
FINLAND PROPERTY
MATHER & POTS TOWNSHIPS, ONTARIO
MAGNETOMETER & SELF POTENTIAL
ON OLD INCO ANOMALY AREA
SCALE: 1 IN. = 200 FT
DEC. 88
MICHAEL GARDNER

ME WITH A PROTON MAGNETOMETER
 INTRIX WITH REPEATABILITY OF
 60.600γ



H. B. & O. ENGINEERING LIMITED

MICHAEL OGDEN, B.A.Sc., P.ENG. PRESIDENT
R.R. 4, STOUFFVILLE, ONT. L4A 7X5 416-888-1106

R.A. HALET, PH.D., P.ENG. P.S. BROADHURST, B.Sc., P.ENG.
R.R. 1, CAMPBELLVILLE, ONT. L0P 1B0 416-884-9881 4000 YONGE ST., APT. 411, TORONTO, ONT. M4N 2N9 416-462-2888

December 15, 1988.

Mr. Walter M. Cummings,
Condo "C",
2929 Lichen Lane,
CLEARWATER,
Florida, U.S.A.
33520

IN ACCOUNT WITH:
H. B. & O. Engineering Limited

Re Finland, A Special Report

Re: Field work last summer; Self Potential and
Magnetometer as deducted from the last Invoice
Nov.11 for 3 days \$1,810.14

Professional Services October, November and
December re maps and report preparation 1,750.00

Expenses:

Car Rental, Oct.	\$102.00
Air Travel, Oct.	100.00
Motel, meals, etc.	55.75
X-Ray Assay rock analyses, Oct.	164.50
X-Ray Assay rock analyses, Nov.	103.50
X-Ray Assay 23 Poplar Bark, Dec.	368.00
	<u>893.75</u>

\$4,453.89

H. B. & O. ENGINEERING LIMITED

MICHAEL OGDEN, B.A.Sc., P.ENG. PRESIDENT
R.R. 4, STOUFFVILLE, ONT. L4A 7X5 416-888-1106

R.A. HALET, PH.D., P.ENG. 4000 YONGE ST., APT. 411, TORONTO, ONT. M4N 2N9 416-463-2388
R.R. 1, CAMPBELLVILLE, ONT. LOP 1B0 416-884-9881

November 11, 1988.

Mr. Walter Cummings,
204 Markland Drive,
ETOBICOKE, Ontario.
M9C 1R3

IN ACCOUNT WITH

H. B. & O. Engineering Limited

Re: Finland Geological Survey

TO:	Professional Services of Michael Ogden from May to August, 1988.	\$5,250.00
	Field assistant	1,050.00
Jul.14	Trails End meals, lodging	1,146.60
Aug. 6	Trails End meals, Lodging	411.50
Sep.13	Bell Telephone	70.14
Aug.17	Summer out-of-pocket expenses	350.00
Sept.	Visa charges - meals, etc., en route	186.48
"	Car mileage - 2,350 x \$0.25	587.50
	Total	9,052.22

NOV.11 This total involves 15 days field work, therefore 1 day averages \$603.48. But 3 days were involved in S.P., mag. and sampling. Then less 3 days

1,810.44
7,241.78



52C13SW0002 2.11962 MATHER

900

11962

MINING LANDS

Type of Survey(s) **SAMPLING, MAGNETOMETRIC & SOIL POTENTIAL** Township or Area **M2097 M2109**
 Claim Holder(s) **WALTER M. CUMMING'S #8901-04** Inspector's Licence No. **A-49386**
 Address **240 MARKLAND DRV. ETOBICOKE, ONT. M9C 1R3**
 Survey Company **H.B.F.O. ENG. LTD.** Date of Survey (from & to) **1 7 89 14 12 88** Total Miles of line Cut **NIL**
 Name and Address of Author (of Geo Technical report) **MICHAEL OGDEN, RR-4 STOUFFVILLE, ONT. L4A 7X5**

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	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter to (show)	- 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		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	1001124				
	1001135				
	1011872				
	1020550				
	1020551				
	1020552				
	1020553				
	1020554				
	1020555				
	1020556				
	1020557	40			
	1020558	40			
	1020559	46			
	1020560	40			
	1020957	40			
	1020958	40			
	1020959				
	1020960				
	1063158	50			
	1063159				

MINING GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
FEB 22 1989
RECEIVED

KENORA
MINING DIV.
RECEIVED
DEC 22 1988
AM 3:15 PM
789101112123456

Expenditures (excludes power stripping)

Type of Work Performed **ROCK + BIOGEO SAMPLING + MAG + SP.**
 Performed on Claim(s) **1020559 MOSTLY + ...557-58**
...60 + 1063158
 Calculation of Expenditure Days Credits
 Total Expenditures **\$4453.89** ÷ Total Days Credits **15** = **296**
 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.

1 001 124

Total number of mining claims covered by this report of work. **207**

For Office Use Only
 Total Days Cr. Recorded **296** Date Recorded **88 Dec 22**
 Mining Recorder **Scott Rivett**
 Date Approved as Recorded **20 Feb 89** Branch Recorder **Dr. [Signature]**

Date **15 DEC. 88** Recorded Name of Applicant (Signature) **Michael Ogden**

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 **MICHAEL OGDEN, RR 4 STOUFFVILLE, ONT. L4A 7X5**
 Date Certified **15 Dec 88** Certified by (Signature) **Michael Ogden**

NOTES

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

This Township lies within the Corporation of the Township of Chapple

SAND & GRAVEL

- ① MTC Gravel Pit File 8132
- ② MTC Pit 417
- ③ " Pit 416

RESERVES

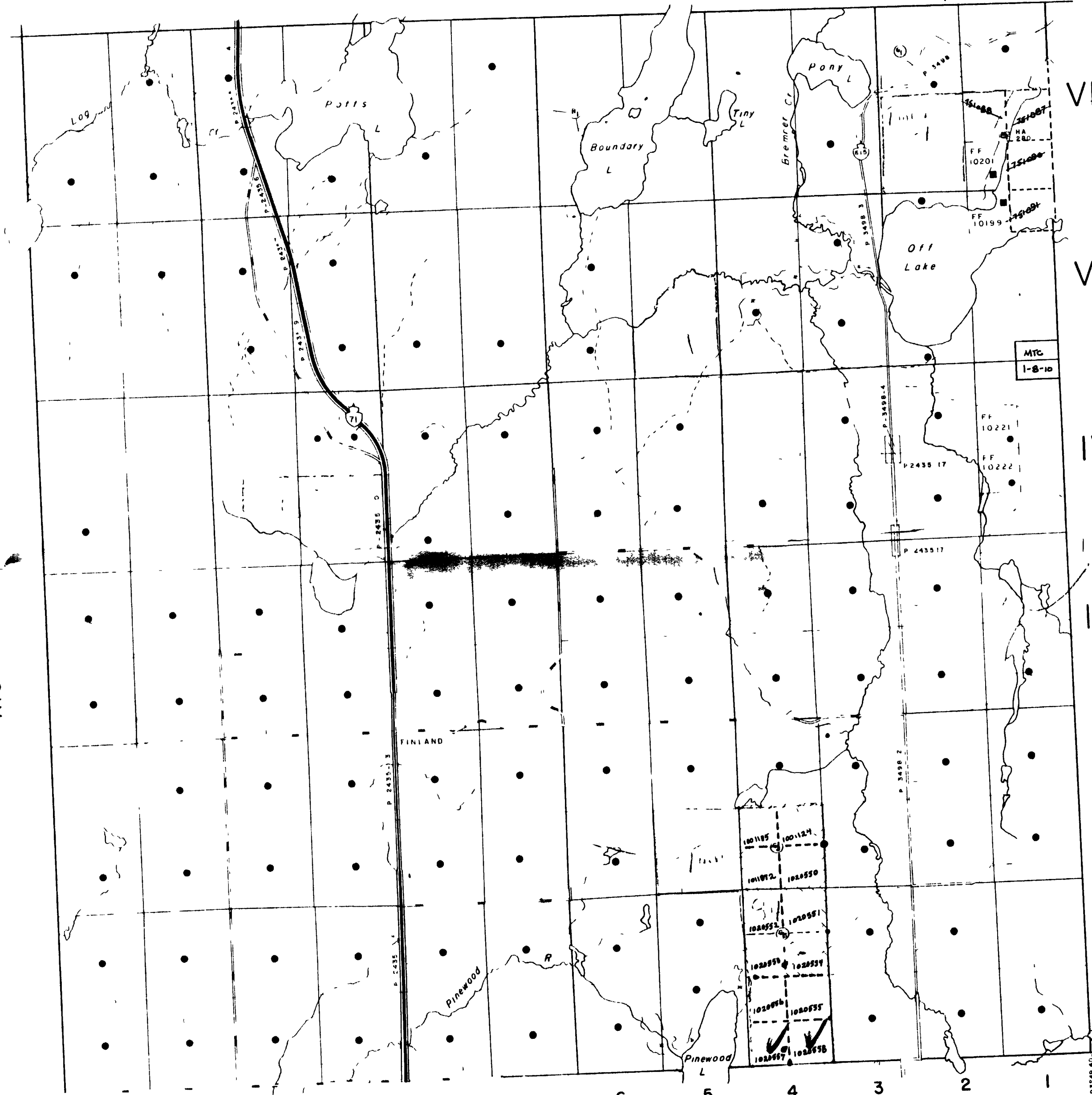
- ④ MNR Reserve File 88158

Areas withdrawn from staking under Section 43 of the Mining Act (B.S. 1970) file _____

MENARY Tp M 2068

SENN Tp.

RICHARDSON Tp M 2115



MATHER Tp M 2097

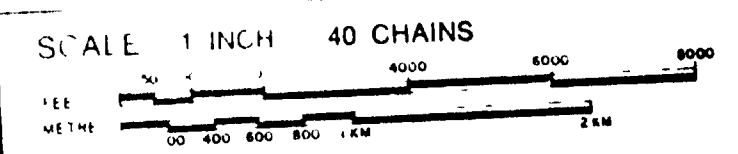
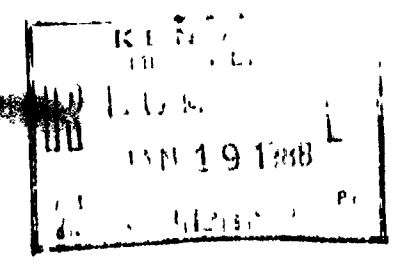
KINGSFORD Tp M 2089

FLEMING Tp M 2083

- 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
 - ORIGINAL SHORELINE
 - MARSH OR MUSKEG
 - MINES

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 | ◔ |
| CROWN LAND SALE | ◕ |
| ORDER IN COUNCIL | ◖ |
| RESERVATION | ◗ |
| CANCELLED | ◘ |



ACRES	HECTARES
40	16

TOWNSHIP
POTTS
DISTRICT
RAINY RIVER
MINING DIVISION
KENORA

Ministry of Natural Resources
Ontario Surveys and Mapping Branch
Date: _____ Plan No: **M.2109**
Whitney Block, Queen's Park, Toronto



-30 surface rights reservation along the shores
of all lakes and rivers

This Township lies within the Corporation
of the Township of Chapple

Areas withdrawn from staking under Section

43 of the Mining Act (R.S.O. 1970)

Order No. File Date Disposition

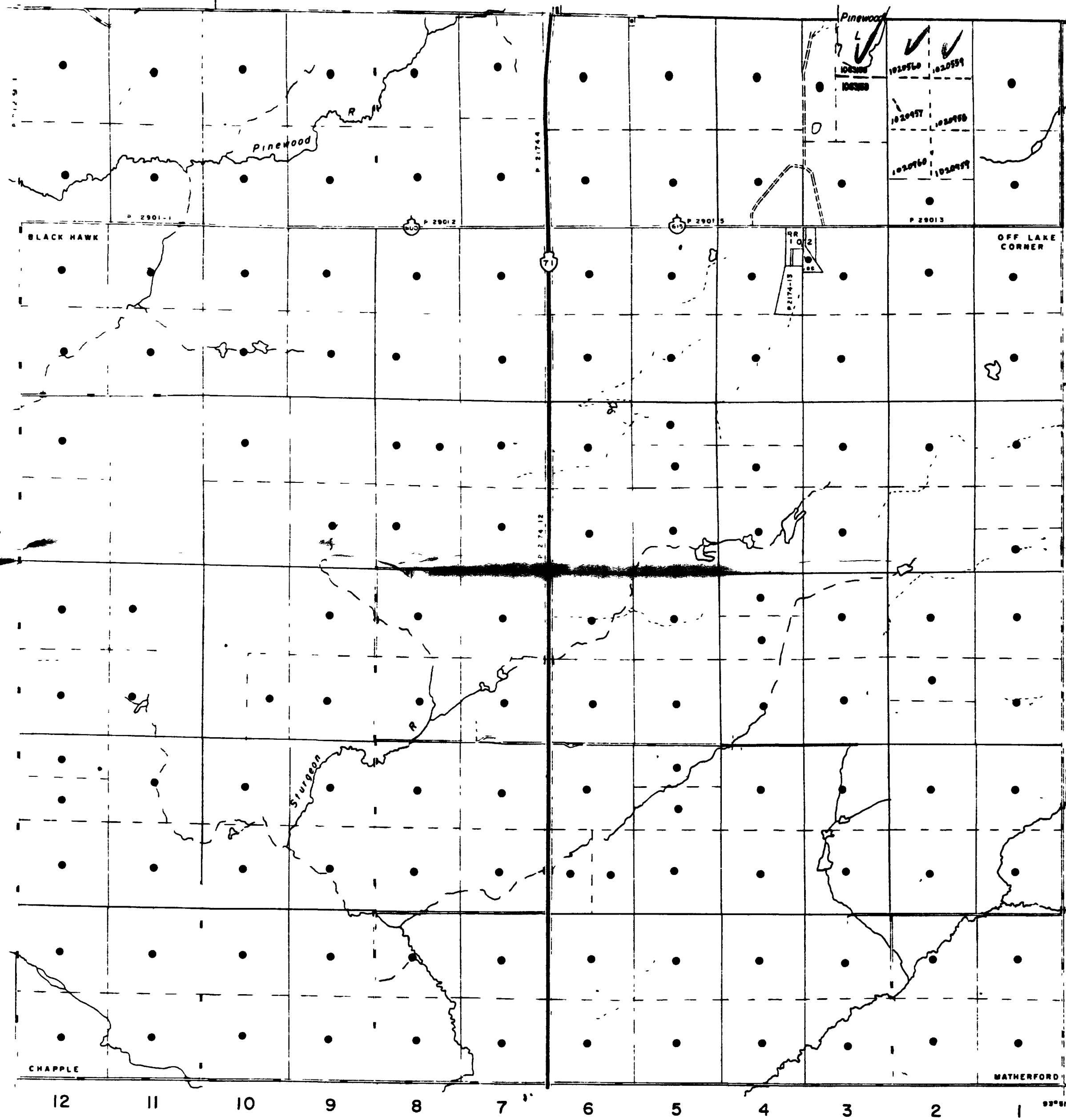
RICHARDSON Tp M 2115

POTTS Tp. M. 2109

TAIT Tp. M 2124

KINGSFORD Tp. M. 2089

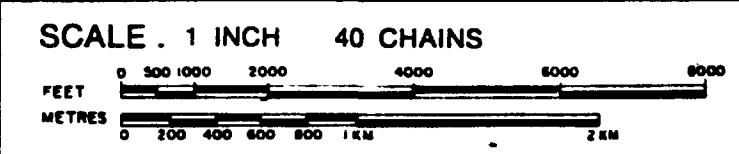
DOBIE Tp. M 2079



- 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
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

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	
CROWN LAND SALE	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

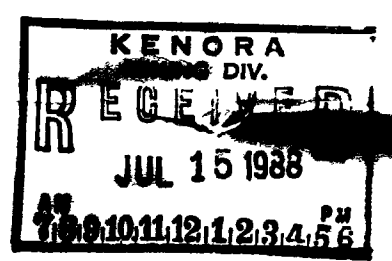


ACRES	HECTARES
40	16

TOWNSHIP
MATHER
 DISTRICT
 RAINY RIVER
 MINING DIVISION
 KENORA

Ministry of Natural Resources
 Ontario Surveys and Mapping Branch

Date _____ Plan No. **M.209**
 Whiteley Block
 Queen's Park, Toronto



NOTE ROCK SAMPLES ARE SHOWN

- | | |
|------------------------|-------------------|
| g = GRANODIORITE GRAIN | py = PYRITE |
| g = GRANITE GRAIN | py = PYRRHOTITE |
| b = BASALT | cp = CHALCOPYRITE |
| dl = DIOXITE | |
| dc = DACITE | |
| rv = RHYOLITE | |
| q = QUARTZ | |
| gn = GNEISS | |
| ms = MASSIVE | |
| bi = BIOTITE | |
| r = RUSTY | |

(⊕) - ANOMALOUS AMOUNT

Au	Cu	Zn	Ag
<1 - (20) - 100 - 2.5			
7872 = 9 + 100			
(3) - 20 - 25 - 4.5			
16773 = QD + 25 PM			
(3) - 20 - 25 - 4.5			
(3) - DIT + PY			
41 - 46 - 59 - 4.5			
84 = PD			
<1 - (20) - 100 - 2.5			
86 = BLACK J			

BLAZED CLAIM LINE

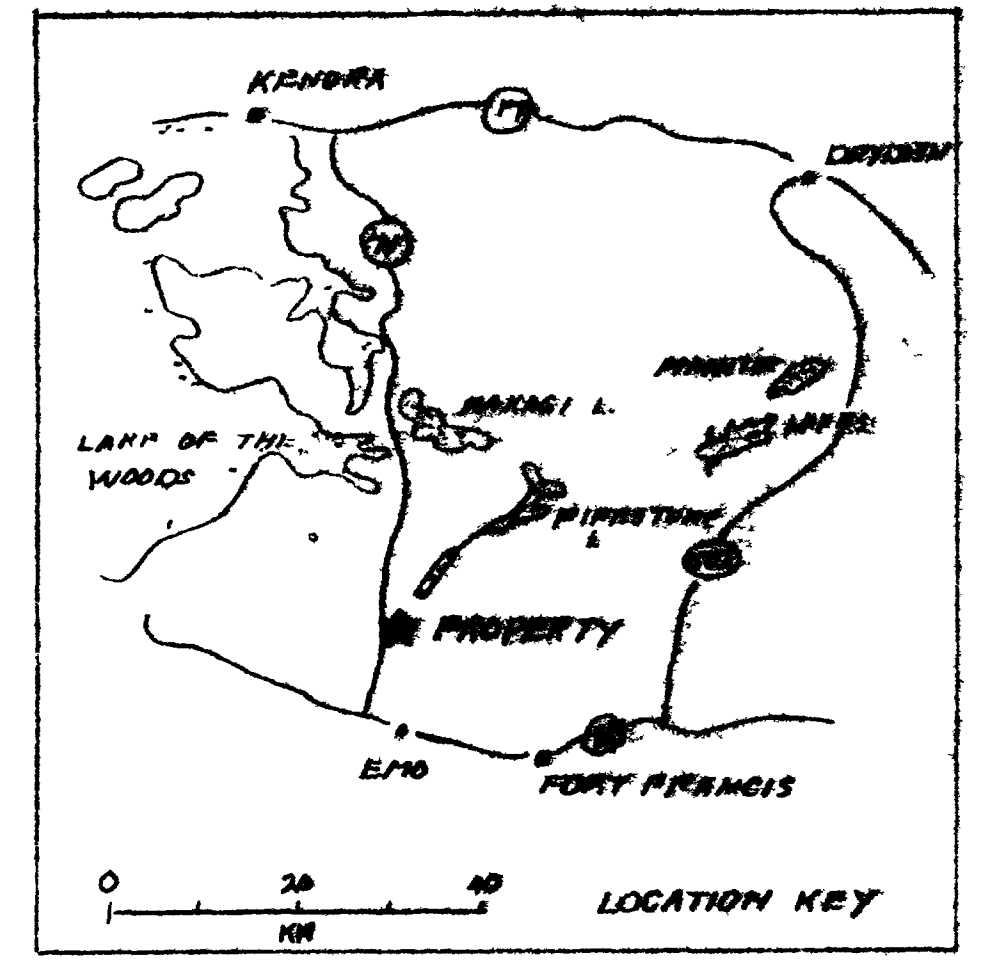
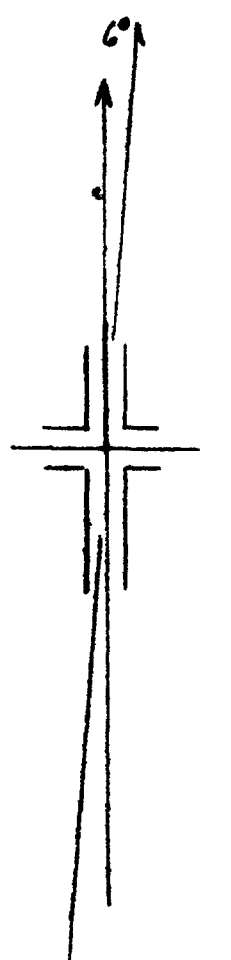
BLAZED CLAIM LINE

BLAZED CLAIM LINE

LOT 4
TWP. LINE POTTS
MATHER

LOT 2

FLAGGED STATIONS



2, 11962

WALTER M. CUMMINGS
FINLAND PROPERTY
MATHER AND POTTS TWP. DUTRIE CO.
GEOCHEMISTRY
NEAR OLD ANOMALY
SCALE 1 IN = 40 FT. M. OGDEN DPC 88

